

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
 Data File : BF089815.D
 Acq On : 19 Aug 2016 23:59
 Operator : UM/SJ
 Sample : H4518-11MS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Quant Time: Aug 22 01:24:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	578626	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	2267195	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	990961	20.00	ng	0.01
63) Phenanthrene-d10	11.20	188	1640879	20.00	ng	0.01
75) Chrysene-d12	13.84	240	1099410	20.00	ng	-0.03
86) Perylene-d12	15.27	264	1229799	20.00	ng	-0.10

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	3985987	118.13	ng	0.02
7) Phenol-d6	6.33	99	5593933	135.06	ng	0.01
23) Nitrobenzene-d5	7.26	82	2814919	77.13	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	1134221	120.44	ng	0.01
44) 2-Fluorobiphenyl	9.05	172	3789083	67.20	ng	0.00
78) Terphenyl-d14	12.78	244	2704015	55.64	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	683572	40.94	ng	97
3) Pyridine	2.89	79	1993301	45.51	ng	93
4) n-Nitrosodimethylamine	2.86	42	790239	48.46	ng	# 76
6) Aniline	6.39	93	1570776	28.27	ng	98
8) 2-Chlorophenol	6.47	128	1730182	42.88	ng	96
9) Benzaldehyde	6.46	77	95405	3.54	ng	89
10) Phenol	6.35	94	2273118	46.82	ng	75
11) bis(2-Chloroethyl)ether	6.43	93	1981886	52.65	ng	94
12) 1,3-Dichlorobenzene	6.86	146	1756850	41.65	ng	97
13) 1,4-Dichlorobenzene	6.71	146	2071380	47.77	ng	94
14) 1,2-Dichlorobenzene	6.71	146	2071380	51.18	ng	99
15) Benzyl Alcohol	6.83	79	1297070	47.22	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	2211151	45.90	ng	90
17) 2-Methylphenol	6.96	107	1603602	50.74	ng	96
18) Hexachloroethane	7.20	117	676376	43.74	ng	# 90
19) n-Nitroso-di-n-propylamine	7.12	70	1245347	47.01	ng	89
20) 3+4-Methylphenols	7.11	107	1968335	50.80	ng	# 82
22) Acetophenone	7.11	105	2271344	43.63	ng	# 89
24) Nitrobenzene	7.28	77	2022363	49.39	ng	# 83
25) Isophorone	7.52	82	3421750	46.49	ng	# 93
26) 2-Nitrophenol	7.59	139	832462	40.75	ng	# 79
27) 2,4-Dimethylphenol	7.64	122	1791798	48.67	ng	96
28) bis(2-Chloroethoxy)methane	7.74	93	2224948	48.86	ng	96
29) 2,4-Dichlorophenol	7.84	162	1532062	49.59	ng	97
30) 1,2,4-Trichlorobenzene	7.92	180	1605948	47.00	ng	97
31) Naphthalene	8.00	128	5035501	47.52	ng	98
32) Benzoic acid	7.70	122	109334	3.81	ng	99
33) 4-Chloroaniline	8.04	127	840584	18.30	ng	# 91
34) Hexachlorobutadiene	8.12	225	810947	45.32	ng	97
35) Caprolactam	8.41	113	390688	41.53	ng	91
36) 4-Chloro-3-methylphenol	8.54	107	1447838	43.27	ng	95
37) 2-Methylnaphthalene	8.68	142	3063690	44.69	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	1236888	38.55	ng	# 96
40) Hexachlorocyclopentadiene	8.84	237	610117	54.76	ng	98

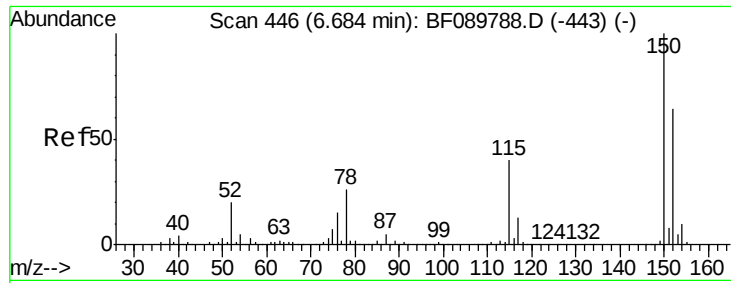
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	944023	46.76	ng	98
43) 2,4,5-Trichlorophenol	9.00	196	969036	48.26	ng	97
45) 1,1'-Biphenyl	9.15	154	3496408	45.59	ng	94
46) 2-Chloronaphthalene	9.16	162	2857484	47.14	ng	99
47) 2-Nitroaniline	9.27	65	970314	56.12	ng	88
48) Acenaphthylene	9.59	152	4484409	49.23	ng	100
49) Dimethylphthalate	9.46	163	4543661	65.12	ng	# 97
50) 2,6-Dinitrotoluene	9.52	165	802929	49.84	ng	# 64
51) Acenaphthene	9.76	154	2832467	46.98	ng	99
52) 3-Nitroaniline	9.68	138	694266	38.90	ng	# 75
53) 2,4-Dinitrophenol	9.77	184	32930	7.58	ng	# 84
54) Dibenzofuran	9.93	168	4056805	53.57	ng	90
55) 4-Nitrophenol	9.85	139	1309744	89.91	ng	# 71
56) 2,4-Dinitrotoluene	9.91	165	904438	43.27	ng	# 63
57) Fluorene	10.26	166	2771843	45.93	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	742690	50.82	ng	# 99
59) Diethylphthalate	10.16	149	3414648	48.17	ng	96
60) 4-Chlorophenyl-phenylether	10.26	204	1197482	43.50	ng	93
61) 4-Nitroaniline	10.28	138	704111	42.08	ng	97
62) Azobenzene	10.42	77	3295077	49.45	ng	96
64) 4,6-Dinitro-2-methylphenol	10.31	198	65029	6.90	ng	76
65) n-Nitrosodiphenylamine	10.39	169	2875706	55.74	ng	99
66) 4-Bromophenyl-phenylether	10.75	248	883376	51.35	ng	# 84
67) Hexachlorobenzene	10.81	284	890733	45.39	ng	# 83
68) Atrazine	10.91	200	718721	45.49	ng	97
69) Pentachlorophenol	11.00	266	846076	76.06	ng	98
70) Phenanthrene	11.22	178	4022749	48.54	ng	95
71) Anthracene	11.27	178	3922715	46.56	ng	99
72) Carbazole	11.43	167	3615006	47.84	ng	97
73) Di-n-butylphthalate	11.78	149	4975884	52.63	ng	# 98
74) Fluoranthene	12.40	202	3483241	44.19	ng	92
76) Benzidine	12.53	184	1575875	44.29	ng	98
77) Pyrene	12.63	202	3535577	39.49	ng	97
79) Butylbenzylphthalate	13.27	149	1845748	45.65	ng	99
80) Benzo(a)anthracene	13.83	228	2893541	45.96	ng	99
81) 3,3'-Dichlorobenzidine	13.79	252	968792	46.93	ng	98
82) Chrysene	13.86	228	2222628	41.18	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	2393425	42.97	ng	97
84) Di-n-octyl phthalate	14.50	149	3881776	52.45	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.56	276	3428418	49.78	ng	100
87) Benzo(b)fluoranthene	14.93	252	6062544	89.61	ng	95
88) Benzo(k)fluoranthene	14.93	252	6062544	98.77	ng	98
89) Benzo(a)pyrene	15.22	252	3091848	48.28	ng	# 95
90) Dibenzo(a,h)anthracene	16.58	278	2907592	41.83	ng	98
91) Benzo(g,h,i)perylene	16.95	276	2731569	37.32	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. 0.00 min

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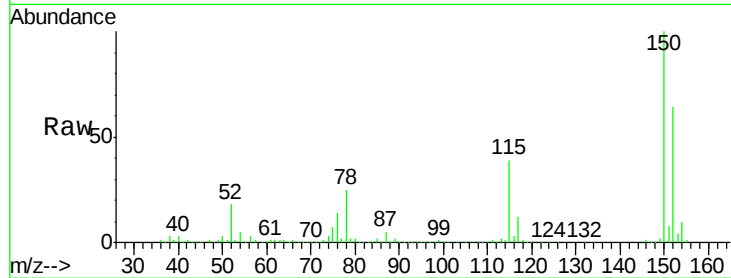
Tgt Ion:152 Resp: 578626

Ion Ratio Lower Upper

152 100

150 155.4 125.3 187.9

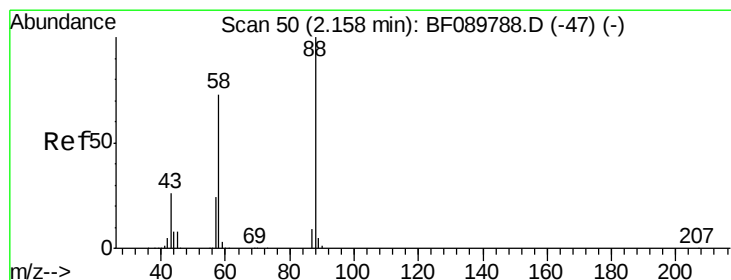
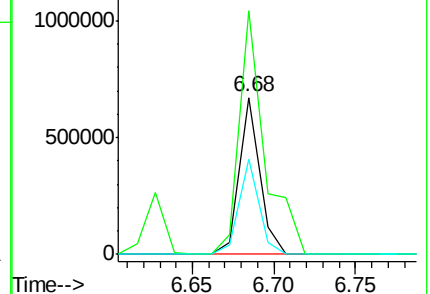
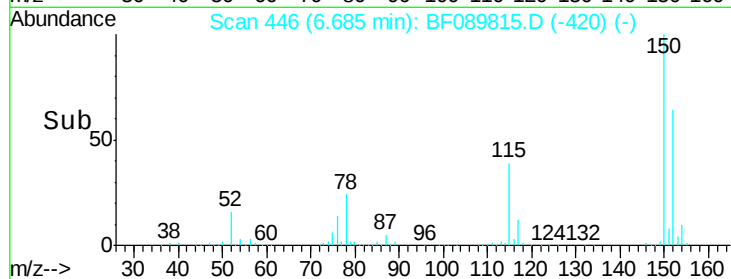
115 60.6 40.9 61.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.94 ng

RT: 2.25 min Scan# 58

Delta R.T. 0.09 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

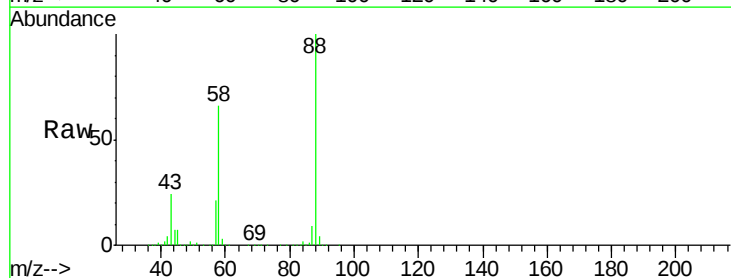
Tgt Ion: 88 Resp: 683572

Ion Ratio Lower Upper

88 100

58 69.5 57.0 85.4

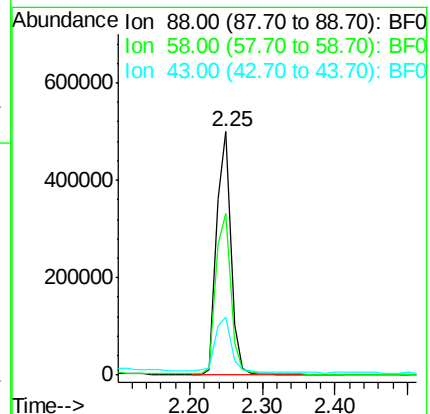
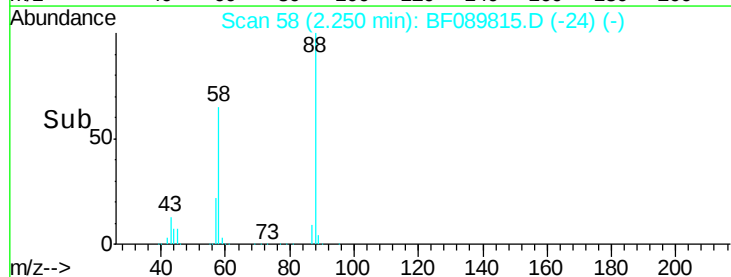
43 25.2 21.8 32.8

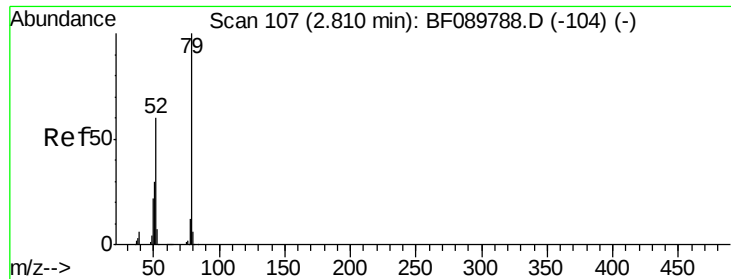


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 45.51 ng

RT: 2.89 min Scan# 114

Delta R.T. 0.08 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

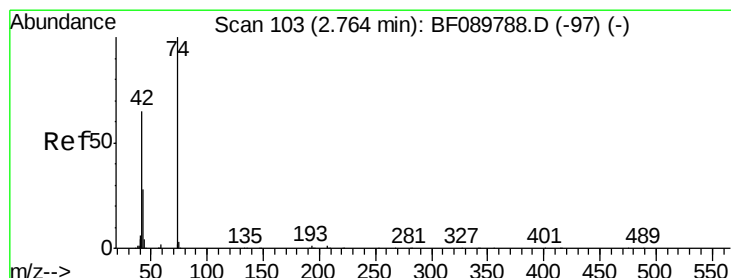
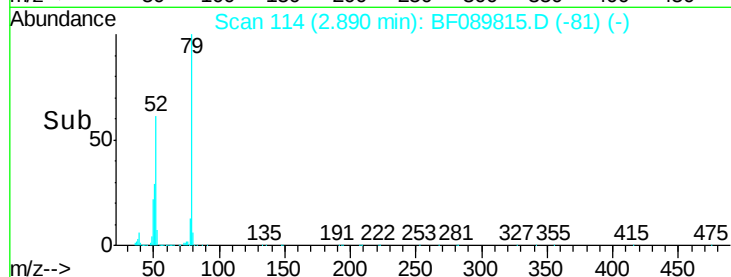
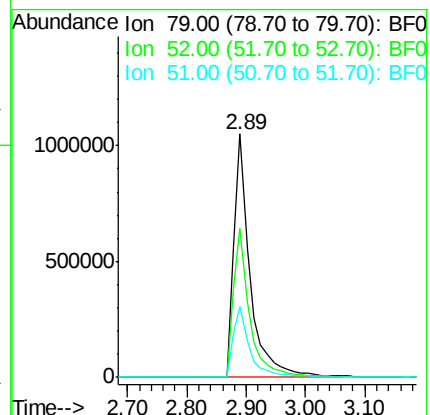
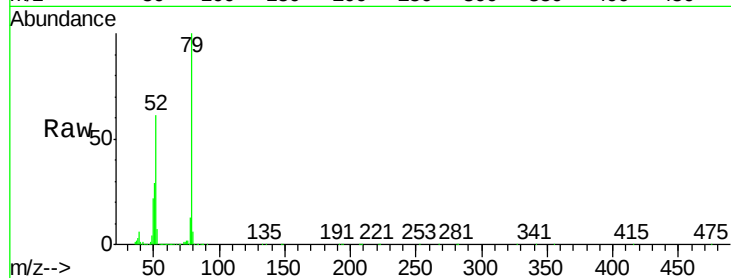
Tgt Ion: 79 Resp: 1993301

Ion Ratio Lower Upper

79 100

52 61.2 53.6 80.4

51 29.3 26.6 39.8



#4

n-Nitrosodimethylamine

Concen: 48.46 ng

RT: 2.86 min Scan# 111

Delta R.T. 0.09 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

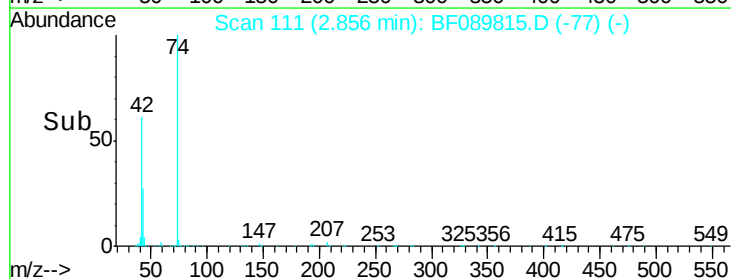
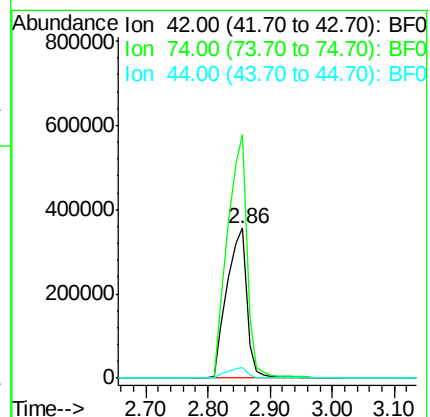
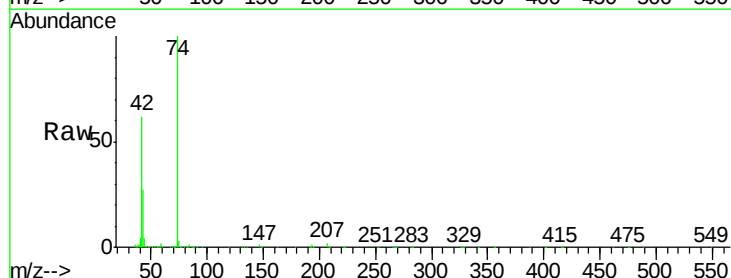
Tgt Ion: 42 Resp: 790239

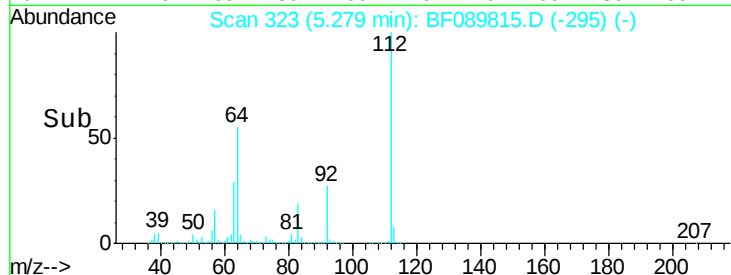
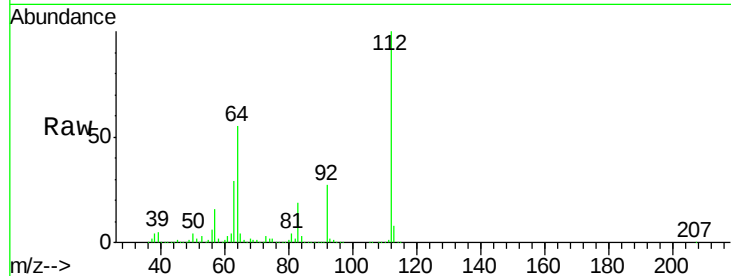
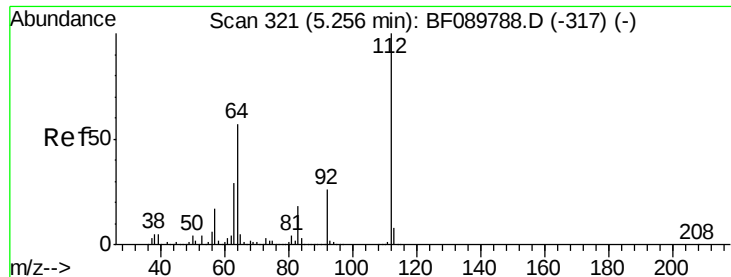
Ion Ratio Lower Upper

42 100

74 162.4 106.2 159.2#

44 7.1 6.9 10.3





#5

2-Fluorophenol

Concen: 118.13 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

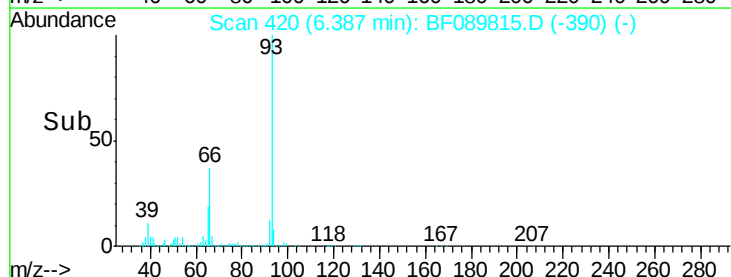
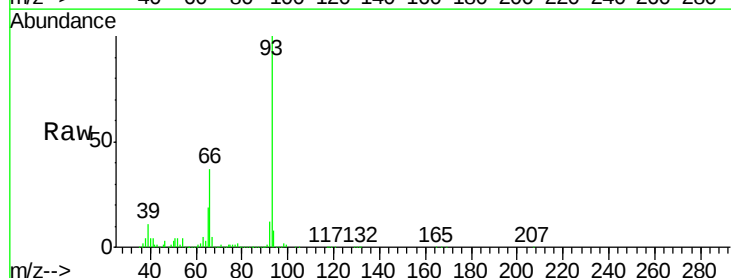
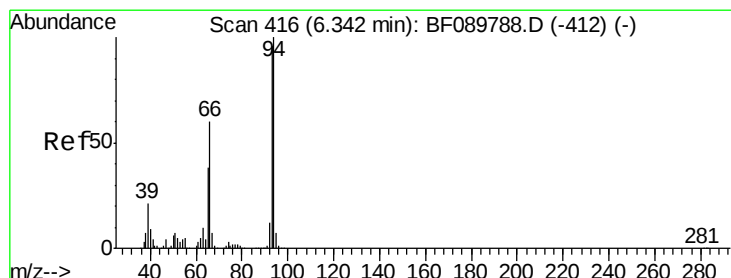
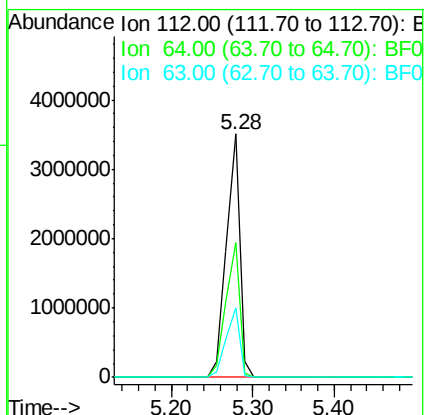
Tgt Ion:112 Resp: 3985987

Ion Ratio Lower Upper

112 100

64 55.4 45.0 67.4

63 28.6 23.1 34.7



#6

Aniline

Concen: 28.27 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.05 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

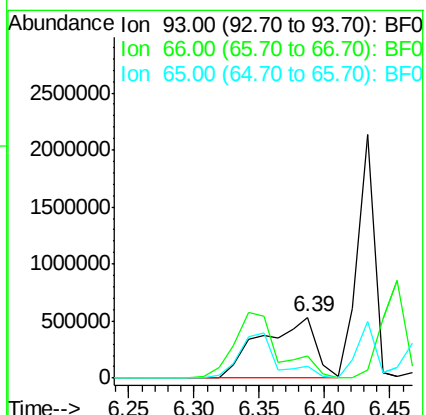
Tgt Ion: 93 Resp: 1570776

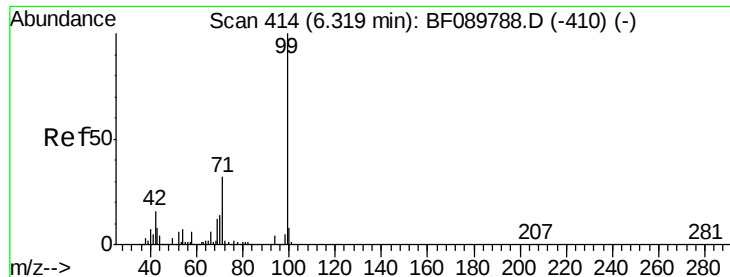
Ion Ratio Lower Upper

93 100

66 37.1 30.6 46.0

65 18.8 15.4 23.2





#7

Phenol-d6

Concen: 135.06 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

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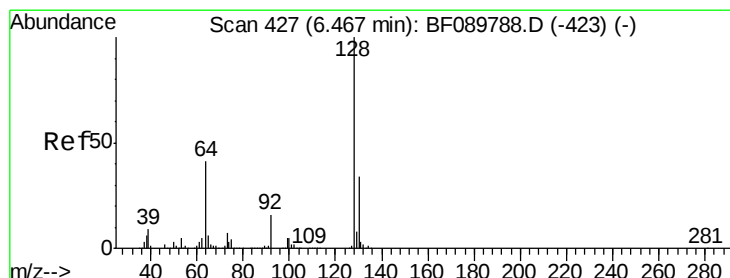
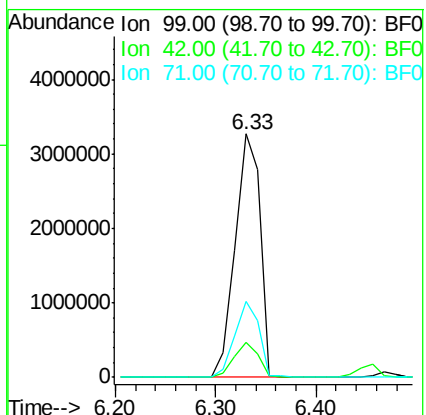
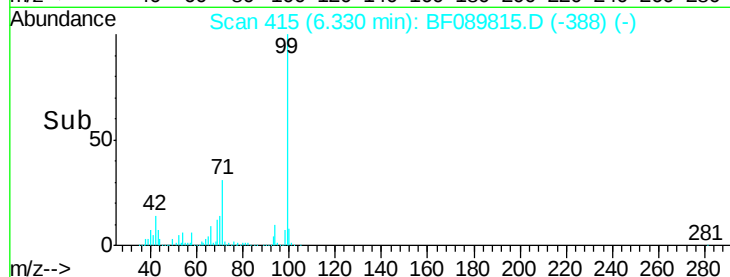
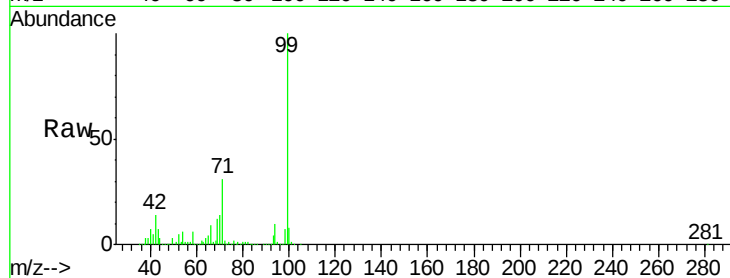
Tgt Ion: 99 Resp: 5593933

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.4

71 31.1 23.8 35.8



#8

2-Chlorophenol

Concen: 42.88 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

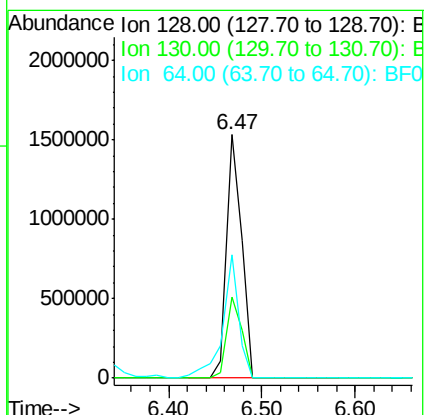
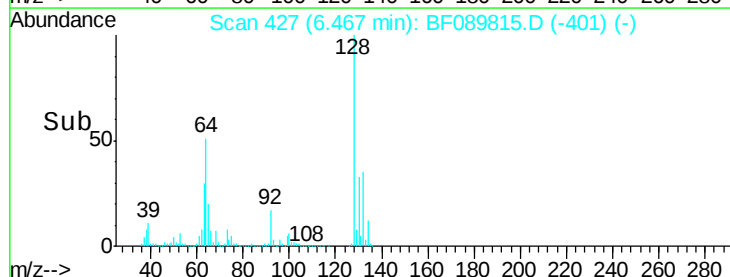
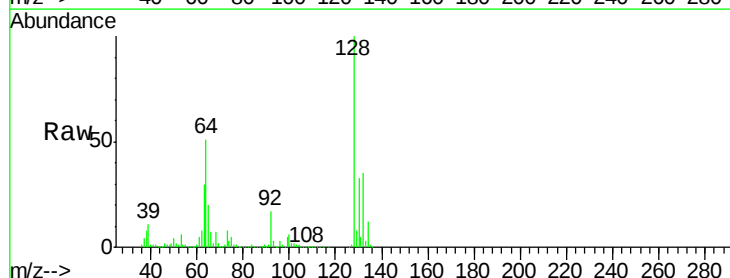
Tgt Ion: 128 Resp: 1730182

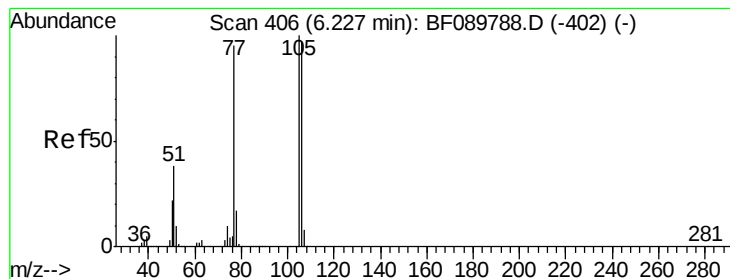
Ion Ratio Lower Upper

128 100

130 33.1 12.0 52.0

64 50.9 35.1 75.1





#9

Benzaldehyde

Concen: 3.54 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.23 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

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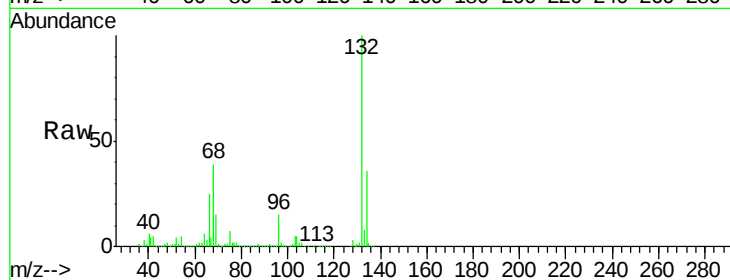
Tgt Ion: 77 Resp: 95405

Ion Ratio Lower Upper

77 100

105 84.9 73.3 113.3

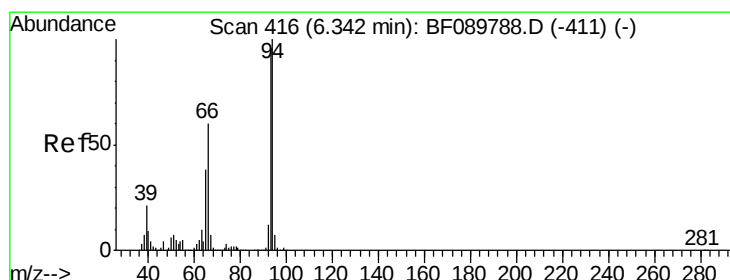
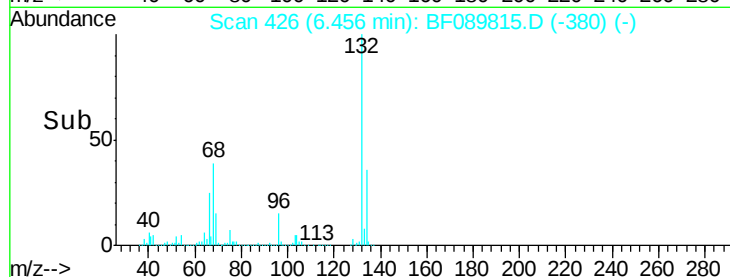
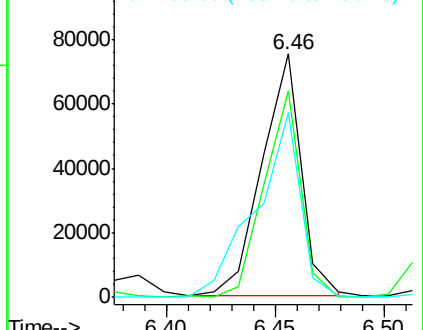
106 75.8 68.6 108.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 46.82 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

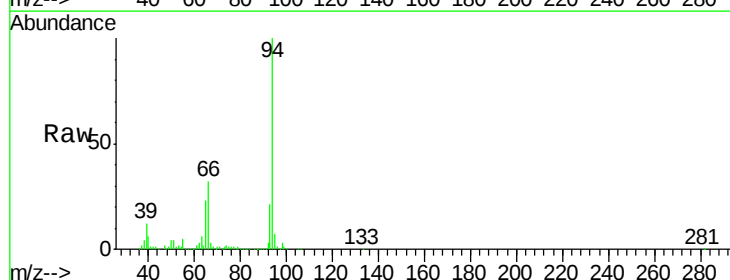
Tgt Ion: 94 Resp: 2273118

Ion Ratio Lower Upper

94 100

65 23.0 14.0 54.0

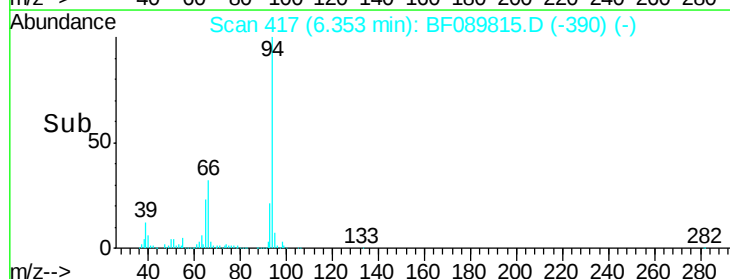
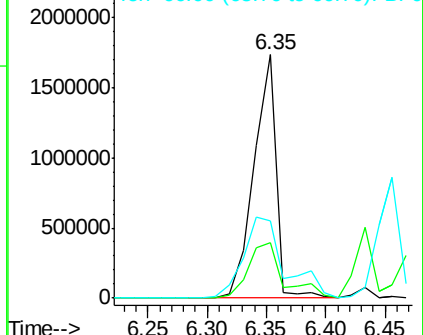
66 31.5 31.2 71.2

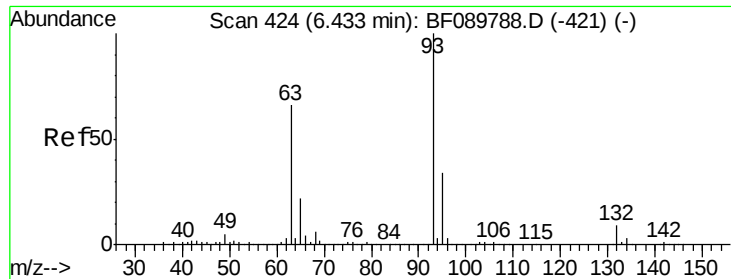


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

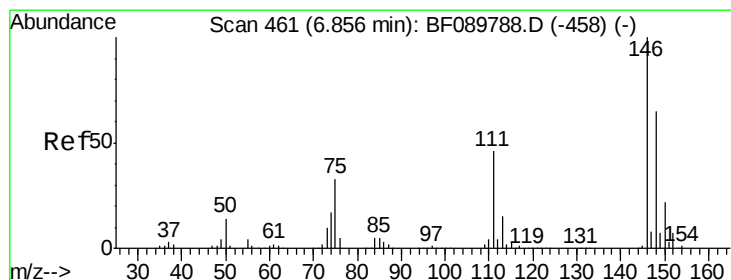
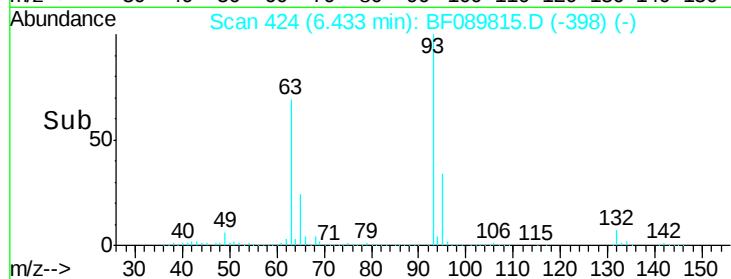
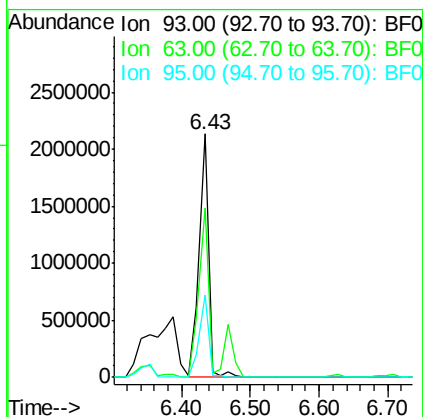
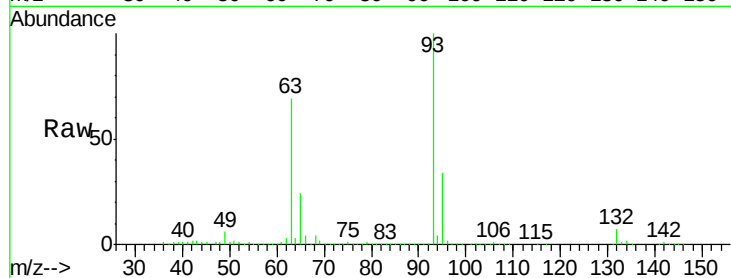




#11
 bis(2-Chloroethyl)ether
 Concen: 52.65 ng
 RT: 6.43 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

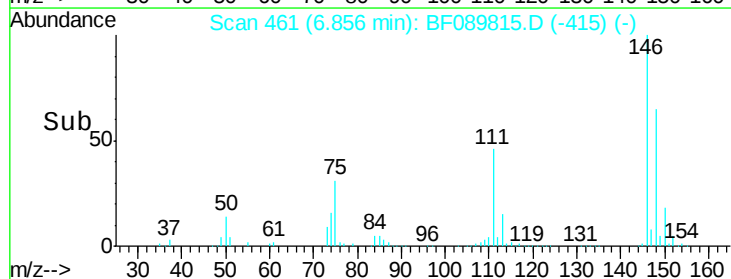
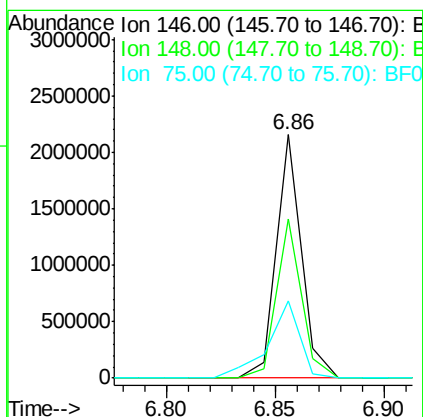
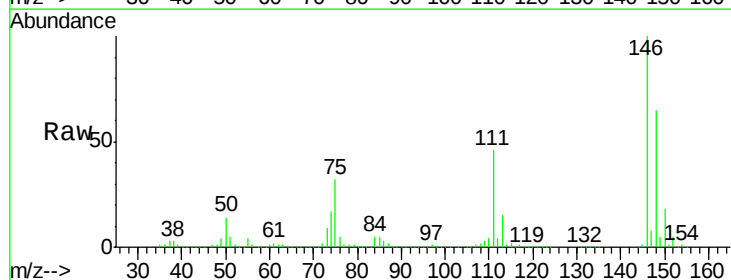
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

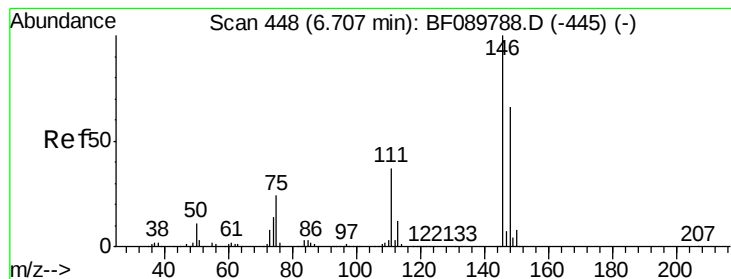
Tgt Ion: 93 Resp: 1981886
 Ion Ratio Lower Upper
 93 100
 63 69.4 55.8 95.8
 95 33.7 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 41.65 ng
 RT: 6.86 min Scan# 461
 Delta R.T. 0.23 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion: 146 Resp: 1756850
 Ion Ratio Lower Upper
 146 100
 148 65.4 51.0 76.4
 75 31.7 27.0 40.6





#13

1,4-Dichlorobenzene

Concen: 47.77 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

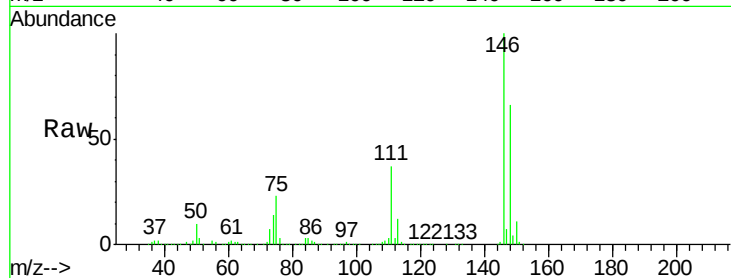
Tgt Ion:146 Resp: 2071380

Ion Ratio Lower Upper

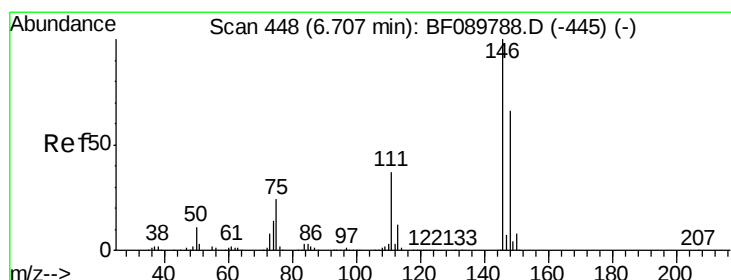
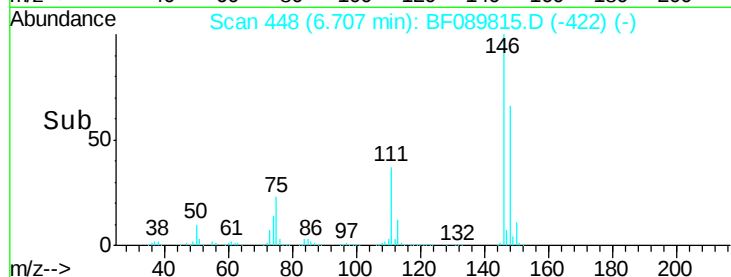
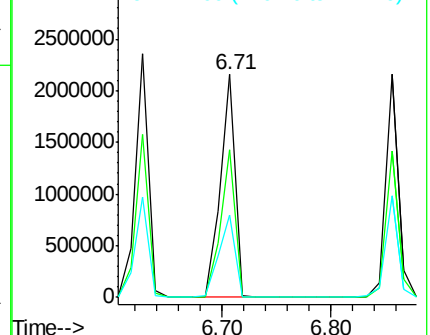
146 100

148 66.2 51.0 76.6

111 37.0 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 51.18 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.15 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

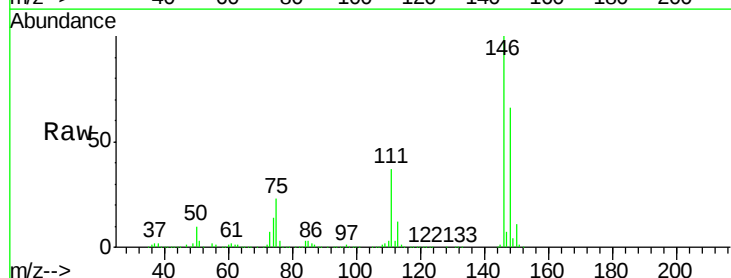
Tgt Ion:146 Resp: 2071380

Ion Ratio Lower Upper

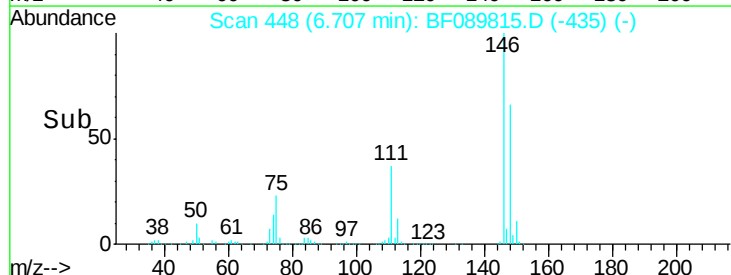
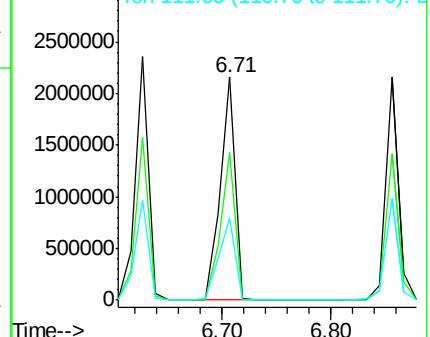
146 100

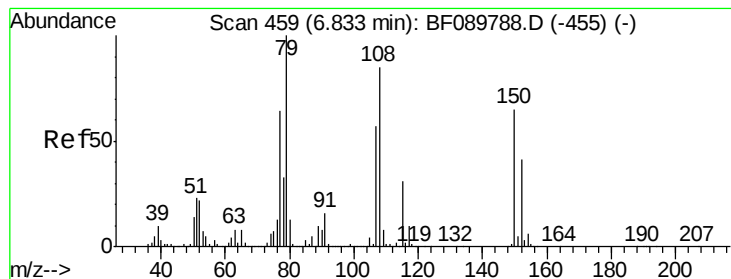
148 66.2 52.2 78.2

111 37.0 29.8 44.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.22 ng

RT: 6.83 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

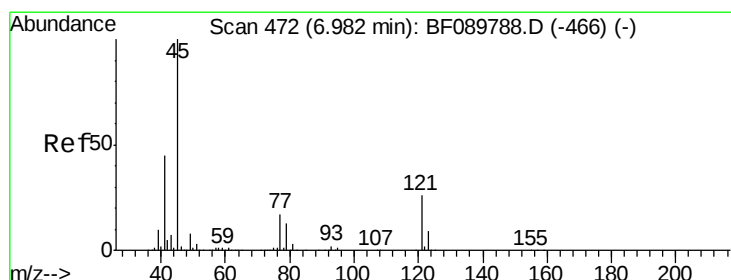
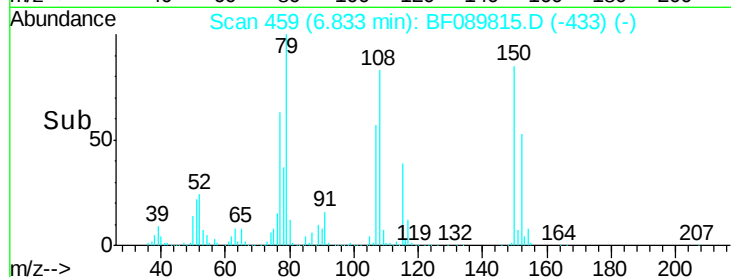
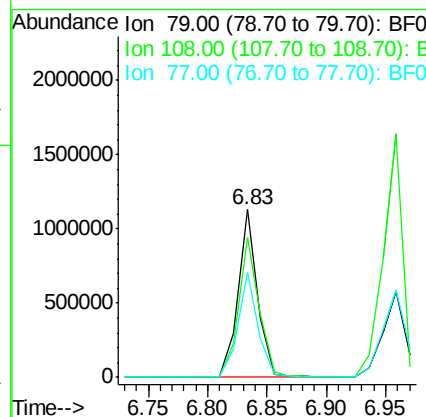
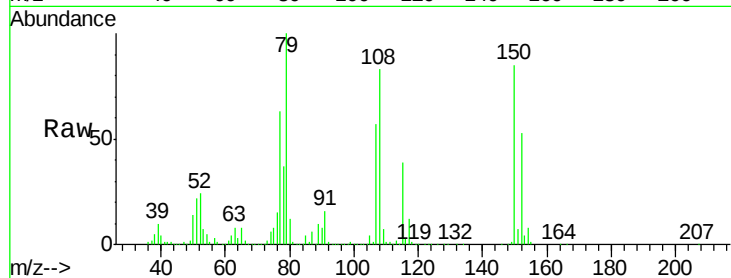
Tgt Ion: 79 Resp: 1297070

Ion Ratio Lower Upper

79 100

108 83.3 62.5 93.7

77 62.7 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.90 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

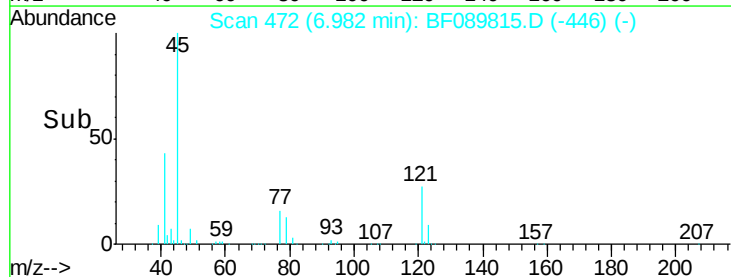
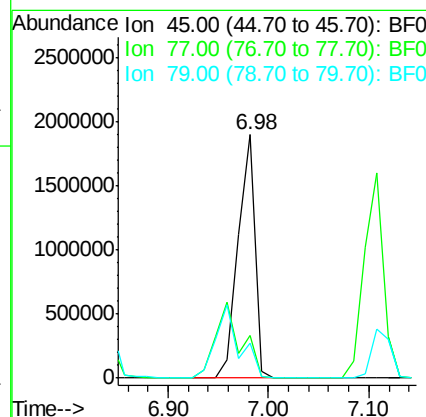
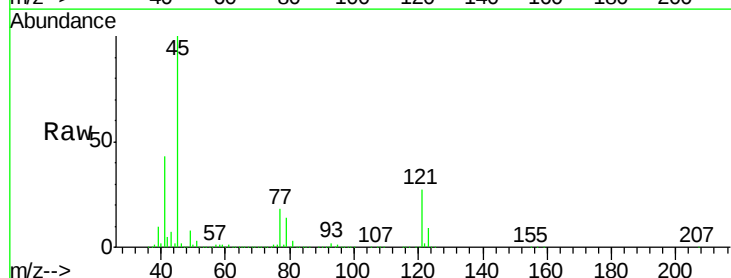
Tgt Ion: 45 Resp: 2211151

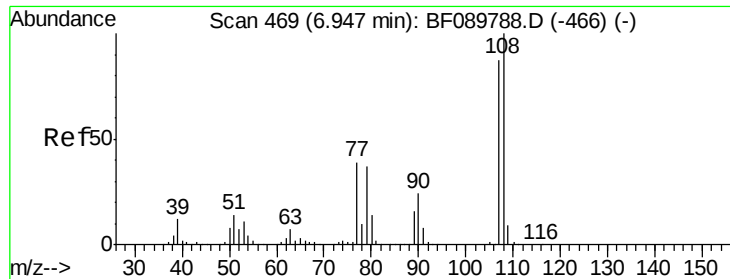
Ion Ratio Lower Upper

45 100

77 17.7 0.0 33.5

79 14.2 0.0 30.7

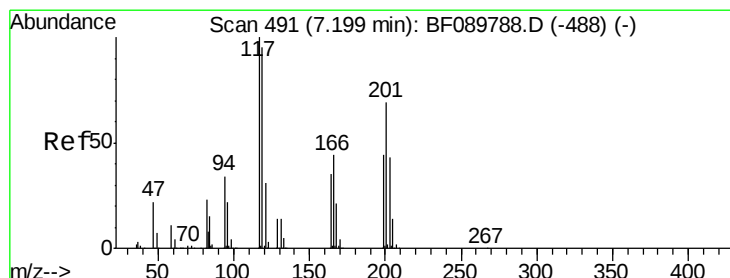
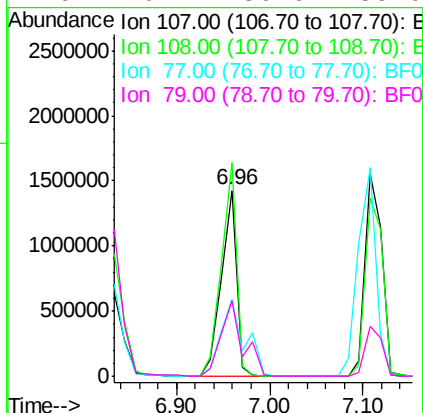
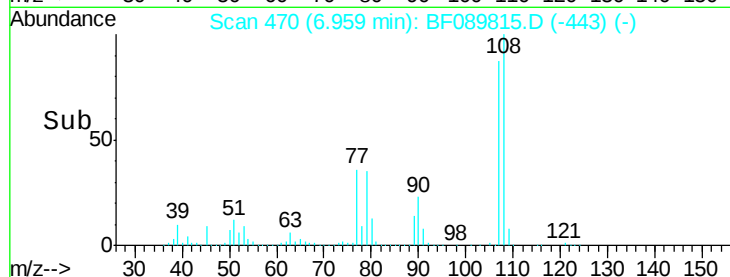
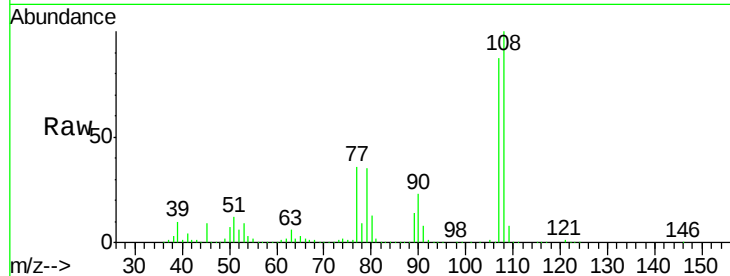




#17
2-Methylphenol
Concen: 50.74 ng
RT: 6.96 min Scan# 470
Delta R.T. 0.01 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

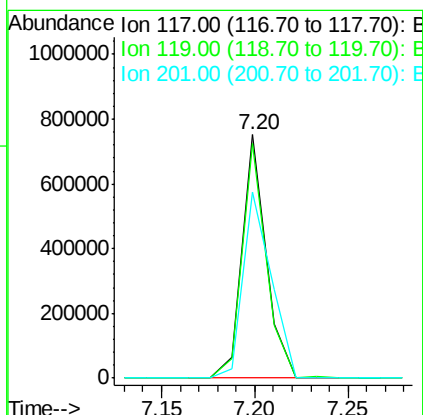
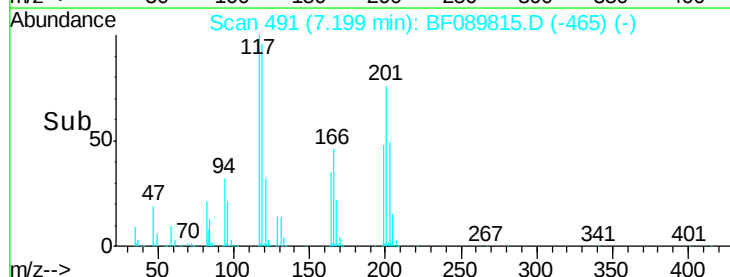
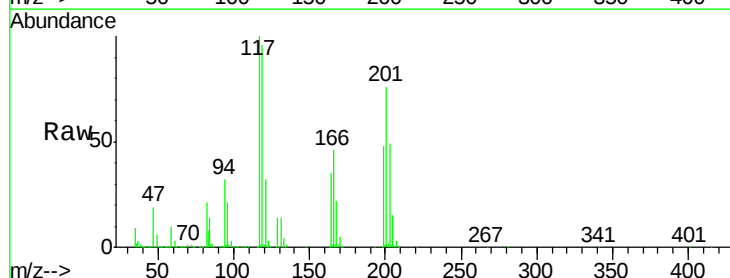
Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

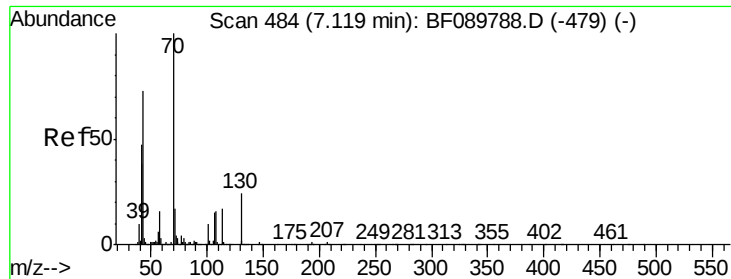
Tgt Ion:107 Resp: 1603602
Ion Ratio Lower Upper
107 100
108 114.9 91.0 136.4
77 41.6 37.4 56.0
79 40.4 36.6 55.0



#18
Hexachloroethane
Concen: 43.74 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:117 Resp: 676376
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7
201 76.2 76.9 115.3#

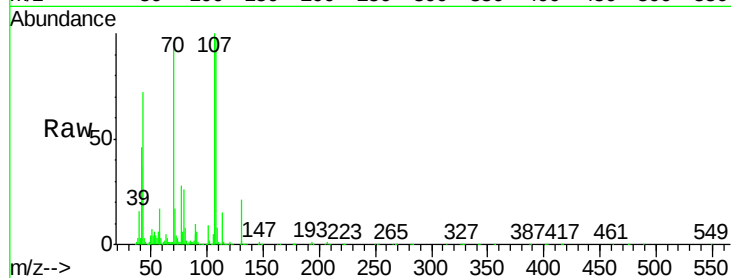




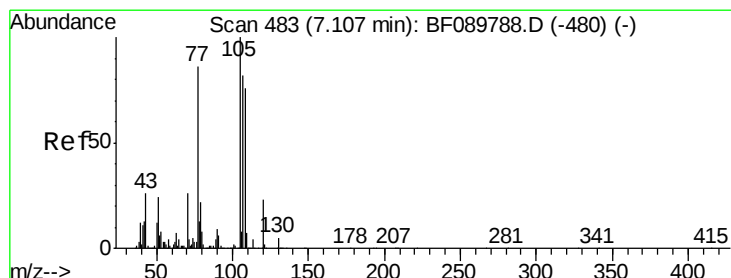
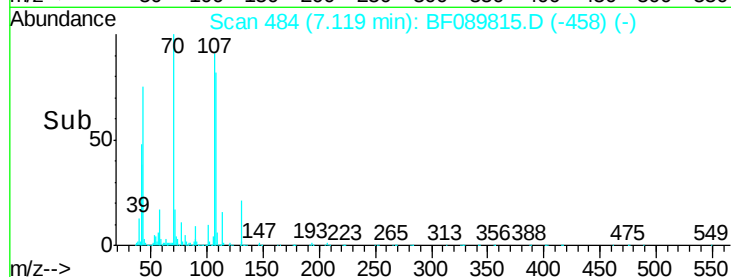
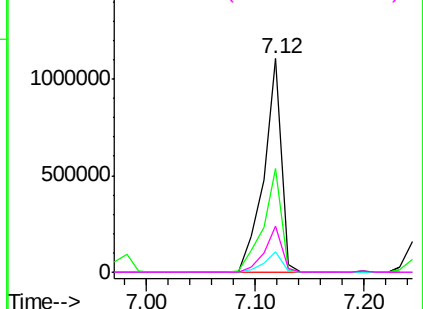
#19
n-Nitroso-di-n-propylamine
Concen: 47.01 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion: 70 Resp: 1245347
Ion Ratio Lower Upper
70 100
42 48.3 46.3 69.5
101 9.7 7.0 10.6
130 21.5 14.4 21.6

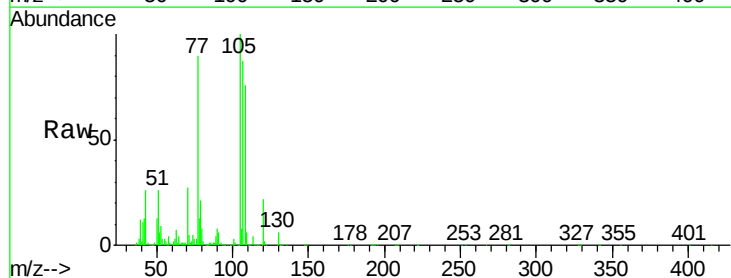


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

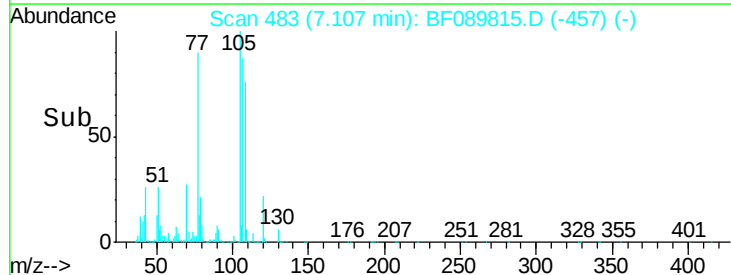
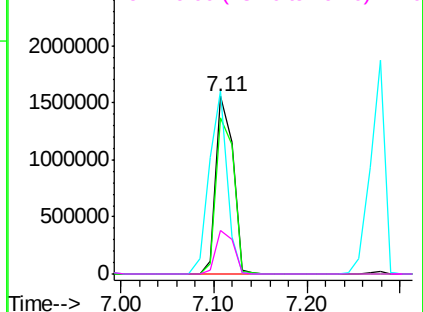


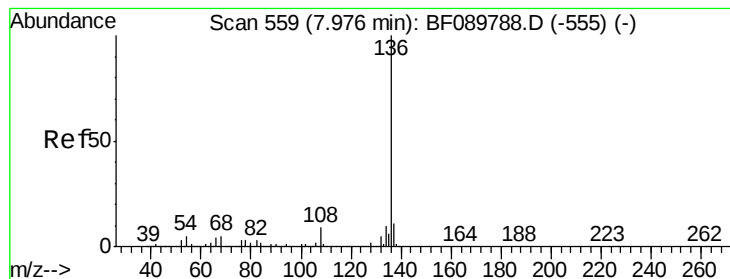
#20
3+4-Methylphenols
Concen: 50.80 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion: 107 Resp: 1968335
Ion Ratio Lower Upper
107 100
108 87.6 68.2 108.2
77 103.2 122.3 162.3#
79 24.5 8.2 48.2



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

Tgt Ion:136 Resp: 2267195

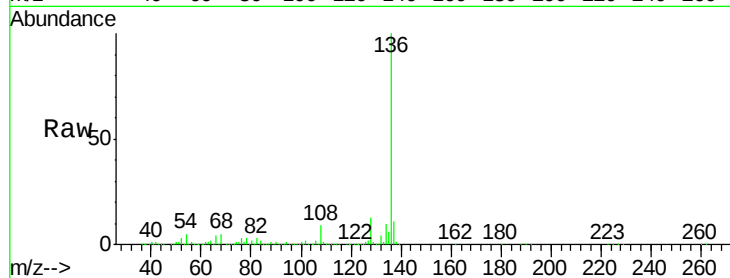
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 5.2 7.2 10.8#

68 5.0 5.8 8.8#

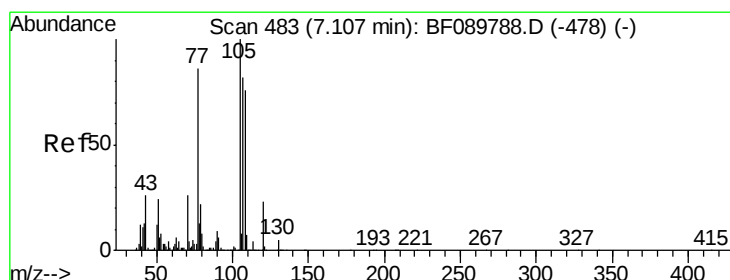
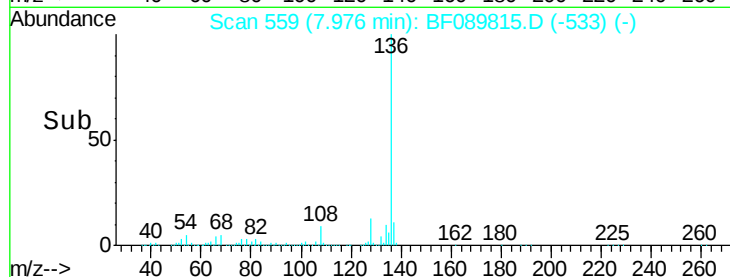
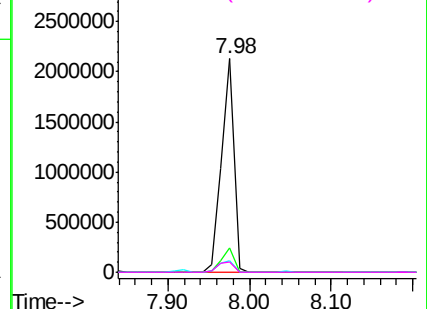


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 43.63 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Tgt Ion:105 Resp: 2271344

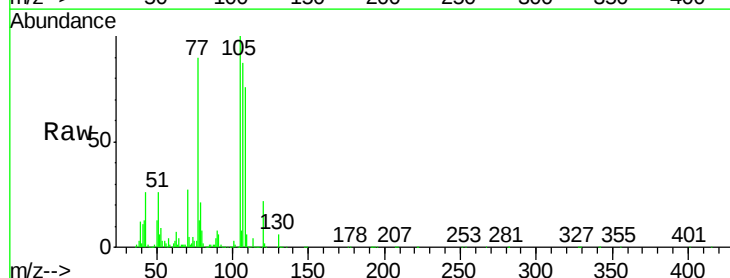
Ion Ratio Lower Upper

105 100

71 4.6 1.9 2.9#

51 26.0 28.5 42.7#

120 22.5 16.6 25.0

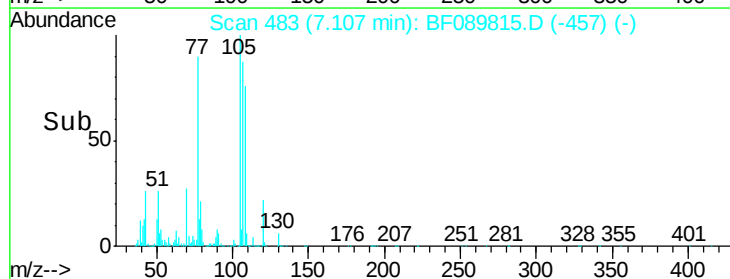
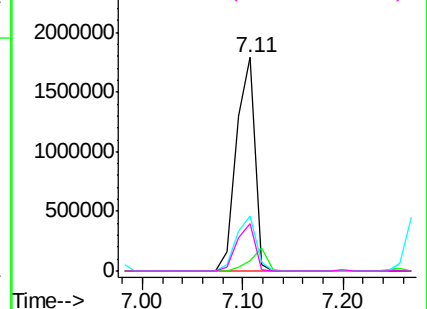


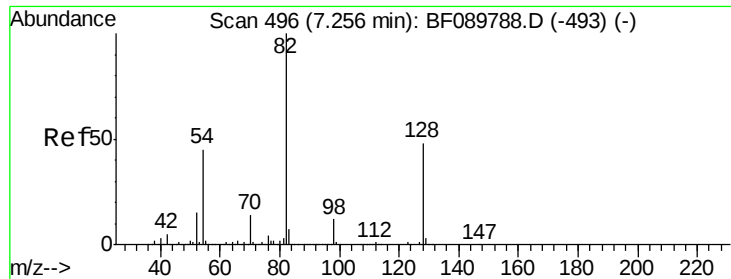
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

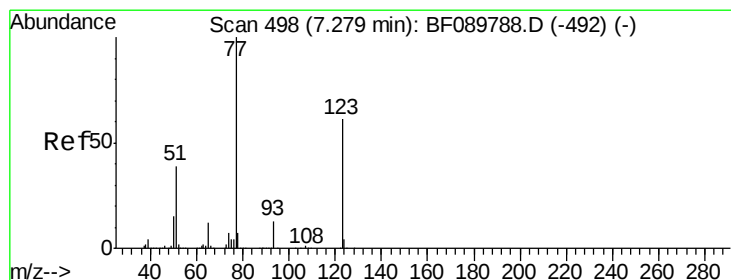
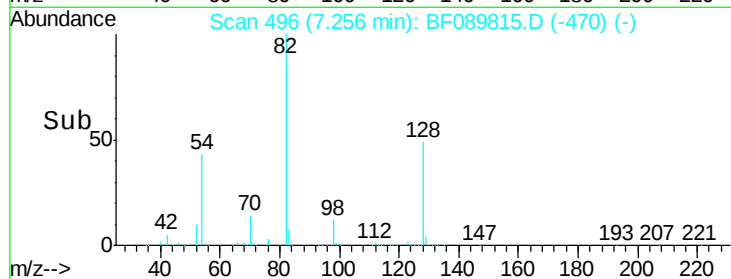
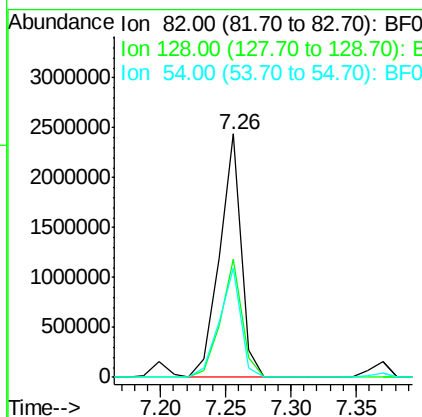
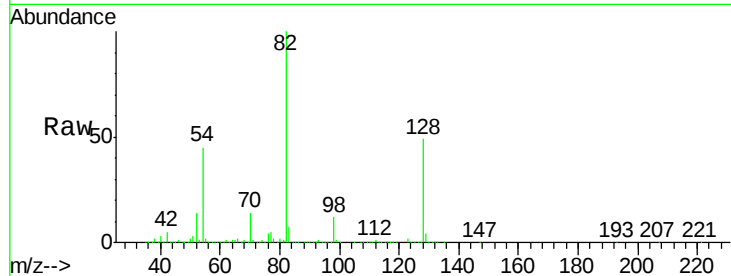




#23
 Nitrobenzene-d5
 Concen: 77.13 ng
 RT: 7.26 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

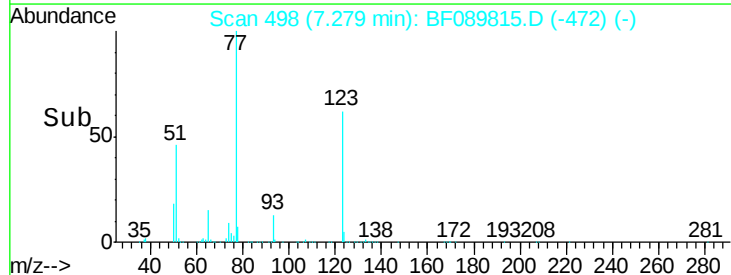
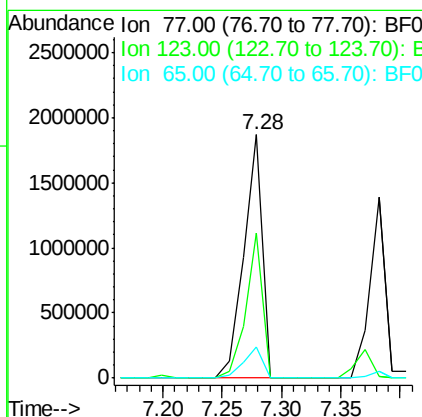
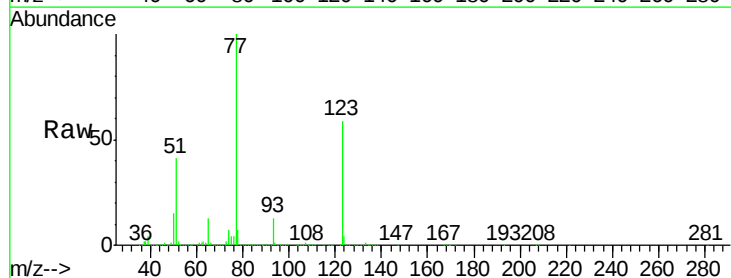
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

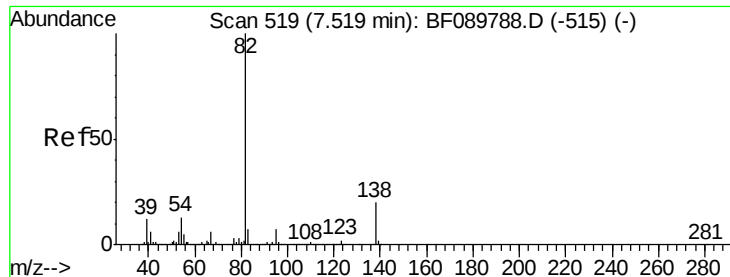
Tgt Ion: 82 Resp: 2814919
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.4 51.6
 54 44.9 40.3 60.5



#24
 Nitrobenzene
 Concen: 49.39 ng
 RT: 7.28 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion: 77 Resp: 2022363
 Ion Ratio Lower Upper
 77 100
 123 59.3 36.2 54.2#
 65 12.8 10.6 15.8





#25

Isophorone

Concen: 46.49 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

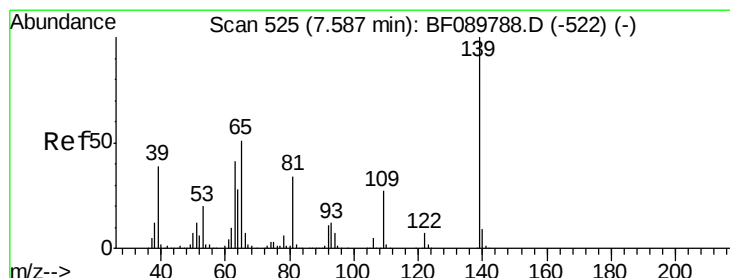
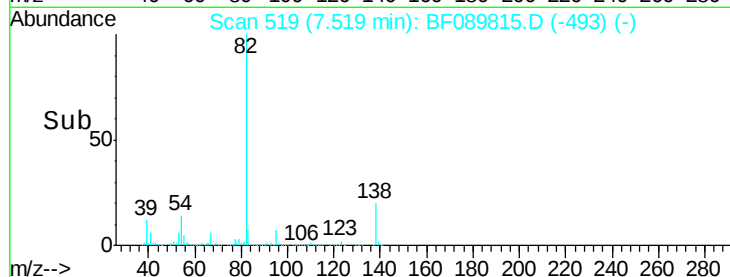
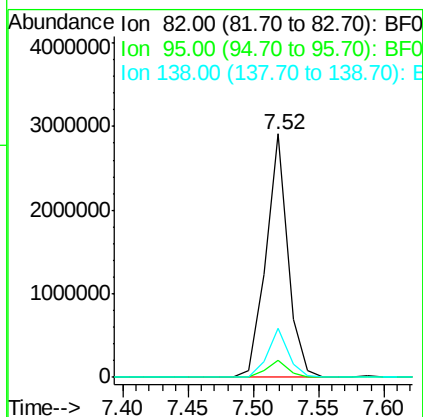
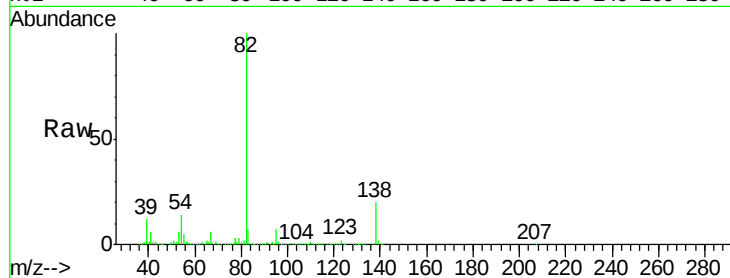
Tgt Ion: 82 Resp: 3421750

Ion Ratio Lower Upper

82 100

95 7.1 5.3 7.9

138 20.3 13.0 19.4#



#26

2-Nitrophenol

Concen: 40.75 ng

RT: 7.59 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

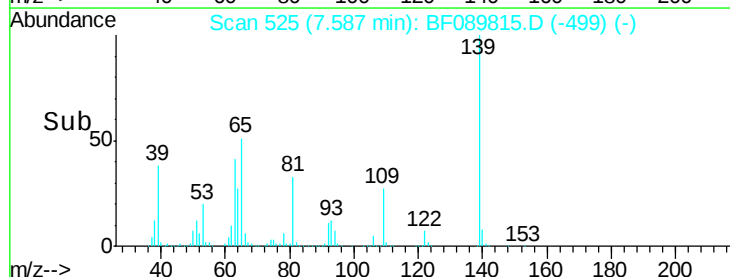
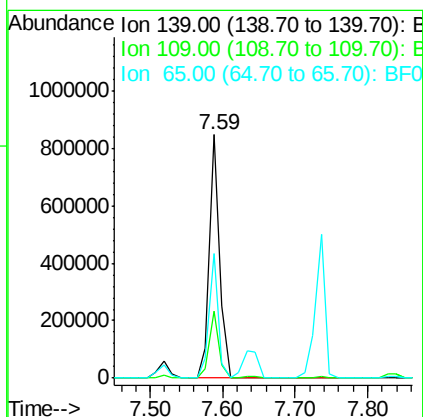
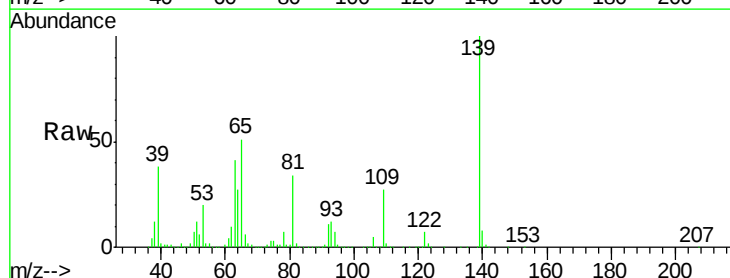
Tgt Ion: 139 Resp: 832462

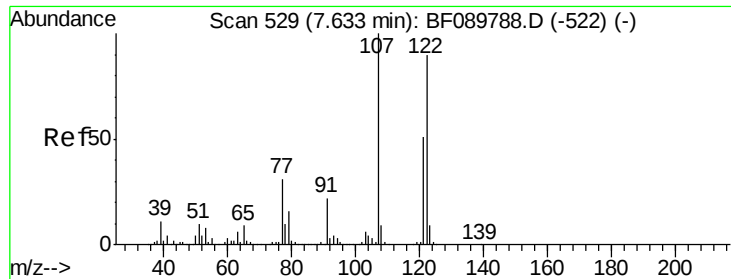
Ion Ratio Lower Upper

139 100

109 27.3 19.5 29.3

65 51.3 26.5 39.7#





#27

2,4-Dimethylphenol

Concen: 48.67 ng

RT: 7.64 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

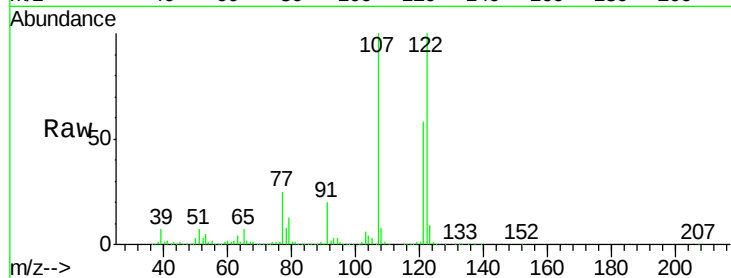
Tgt Ion:122 Resp: 1791798

Ion Ratio Lower Upper

122 100

107 100.4 84.8 127.2

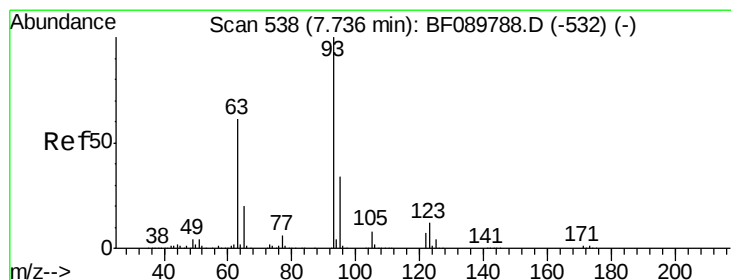
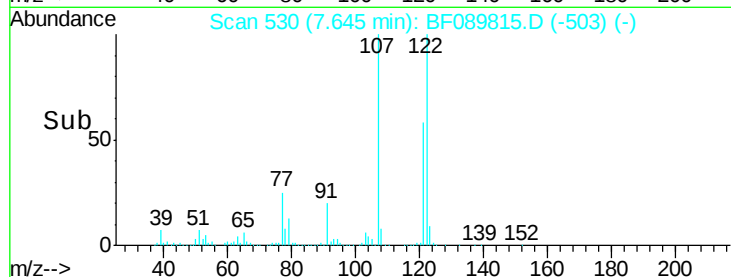
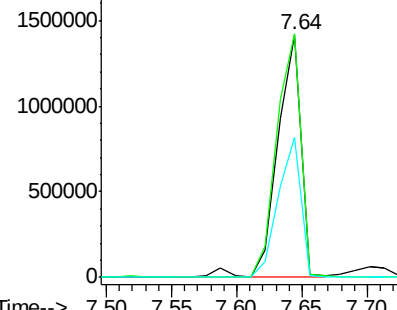
121 57.8 47.0 70.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.86 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

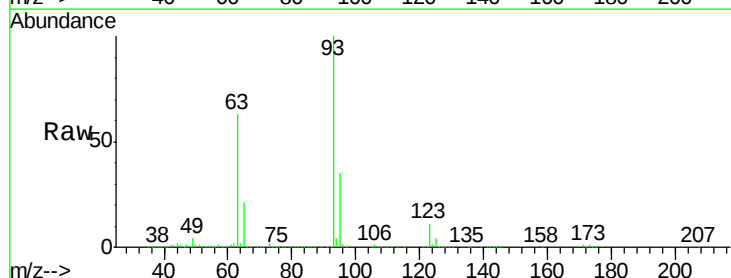
Tgt Ion: 93 Resp: 2224948

Ion Ratio Lower Upper

93 100

95 34.6 25.5 38.3

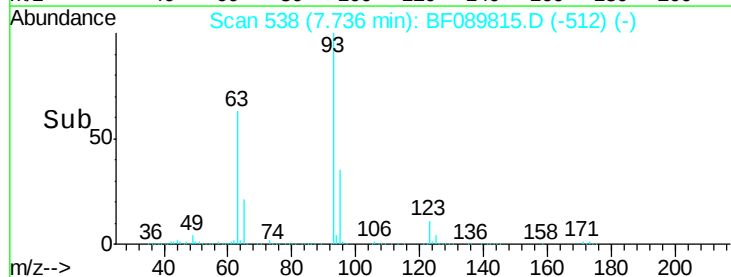
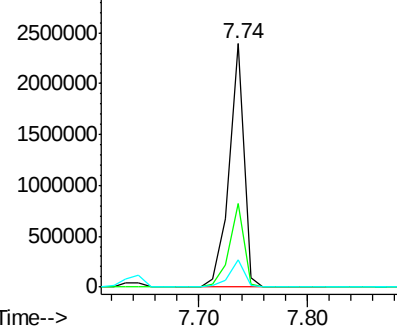
123 11.4 8.5 12.7

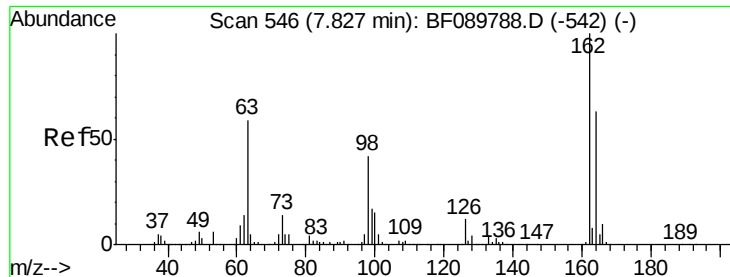


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

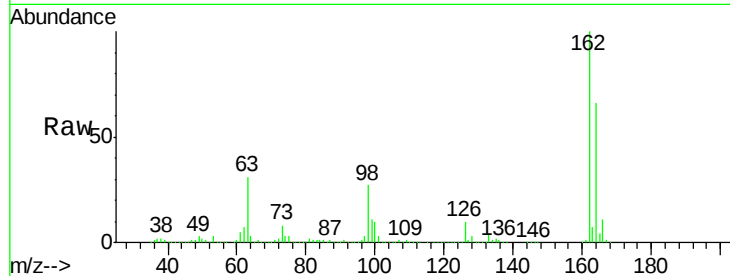




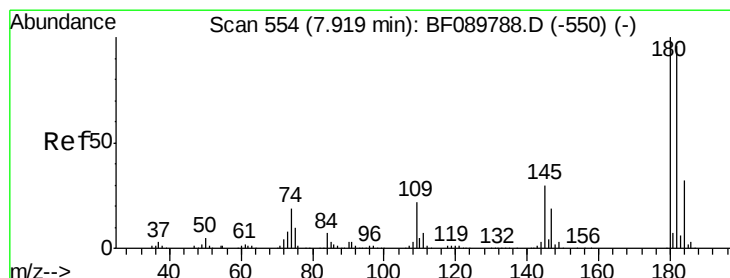
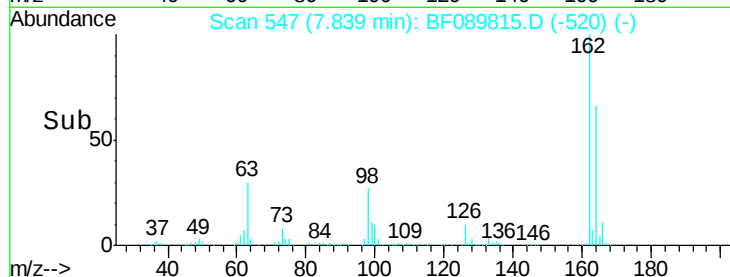
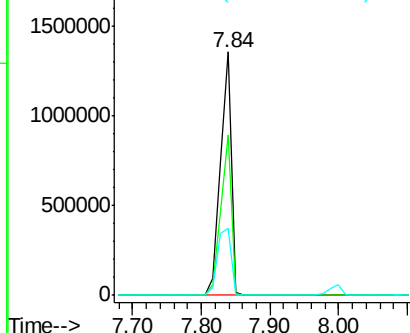
#29
 2,4-Dichlorophenol
 Concen: 49.59 ng
 RT: 7.84 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:162 Resp: 1532062
 Ion Ratio Lower Upper
 162 100
 164 66.1 45.5 85.5
 98 27.4 12.4 52.4

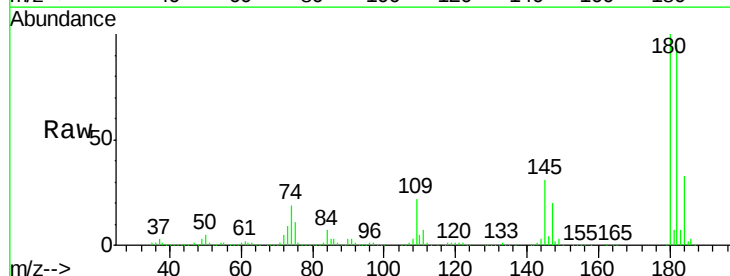


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

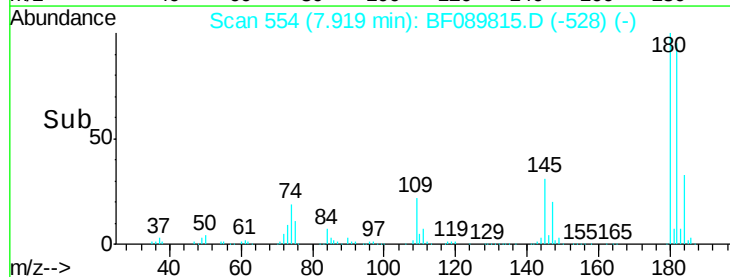
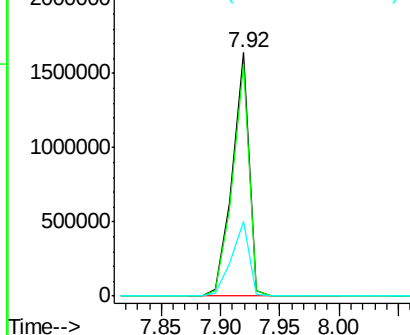


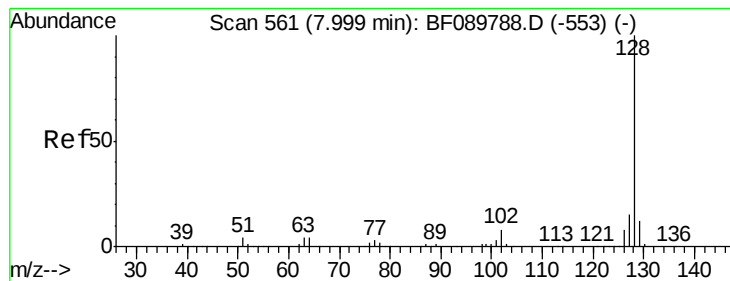
#30
 1,2,4-Trichlorobenzene
 Concen: 47.00 ng
 RT: 7.92 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:180 Resp: 1605948
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.5 113.3
 145 30.6 28.7 43.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 47.52 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

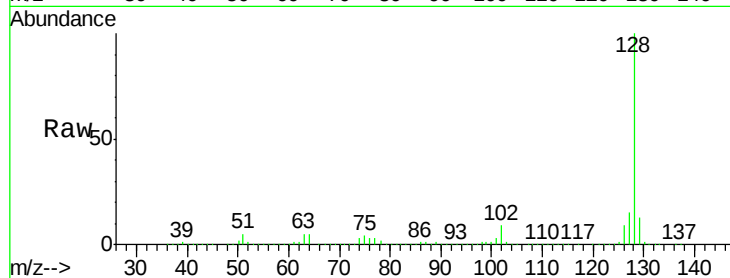
Tgt Ion:128 Resp: 5035501

Ion Ratio Lower Upper

128 100

129 12.6 9.5 14.3

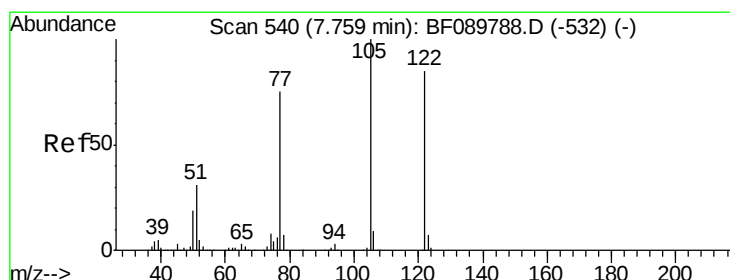
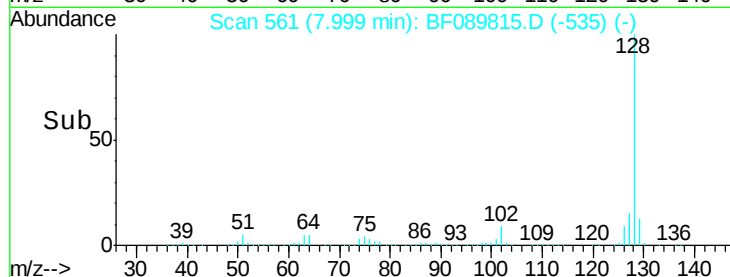
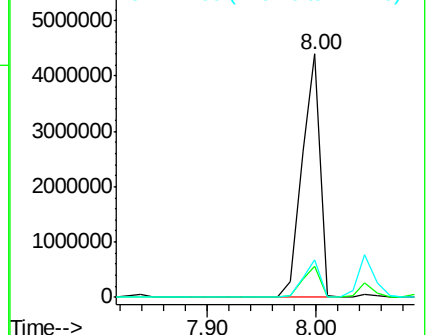
127 15.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.81 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.06 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

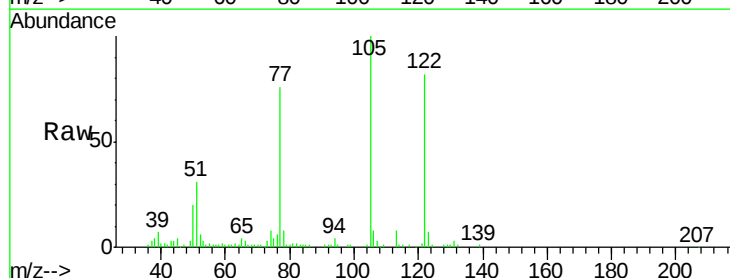
Tgt Ion:122 Resp: 109334

Ion Ratio Lower Upper

122 100

105 121.8 100.8 140.8

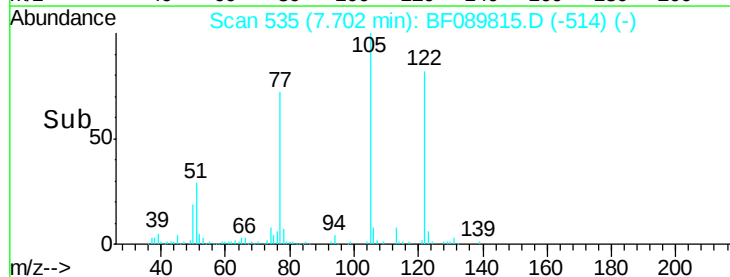
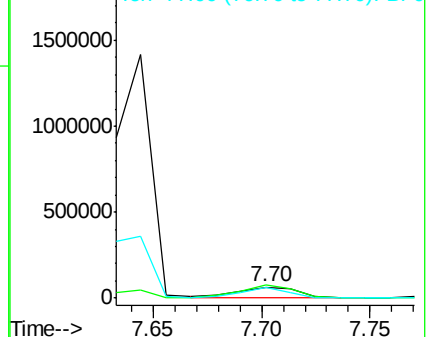
77 92.4 72.1 112.1

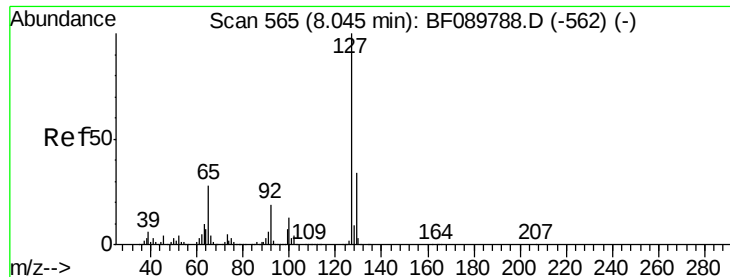


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

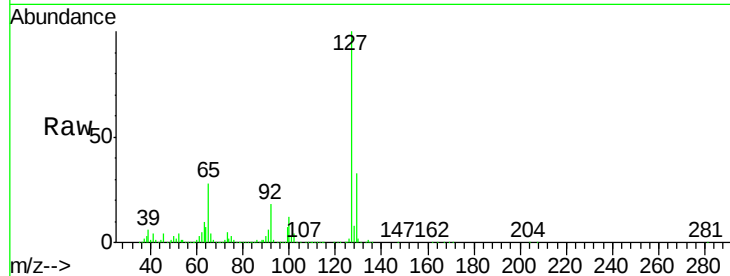




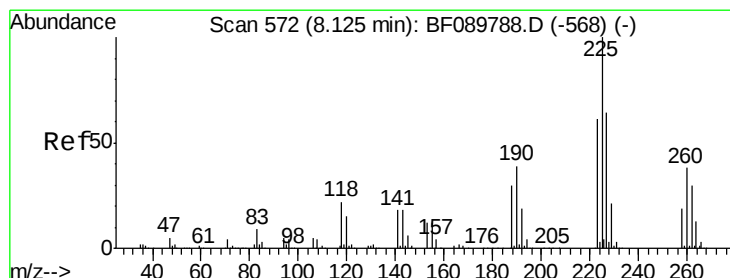
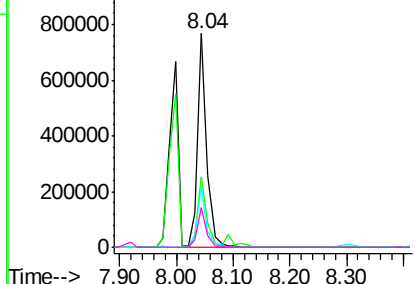
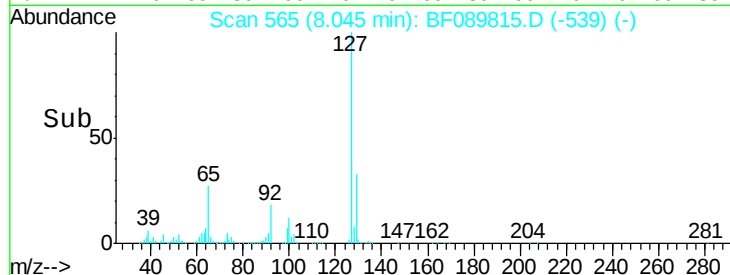
#33
 4-Chloroaniline
 Concen: 18.30 ng
 RT: 8.04 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:	127	Resp:	840584
Ion	Ratio	Lower	Upper
127	100		
129	32.7	27.0	40.6
65	28.3	14.7	22.1#
92	18.3	11.7	17.5#

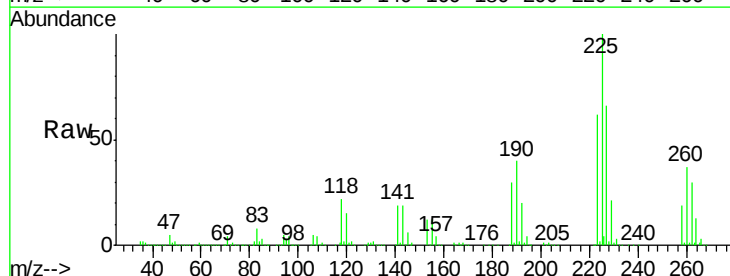


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

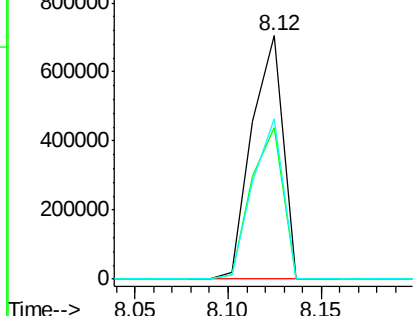
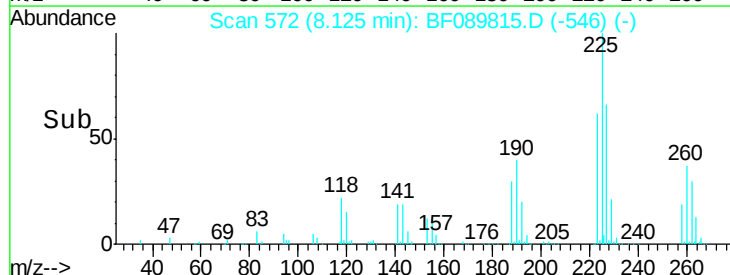


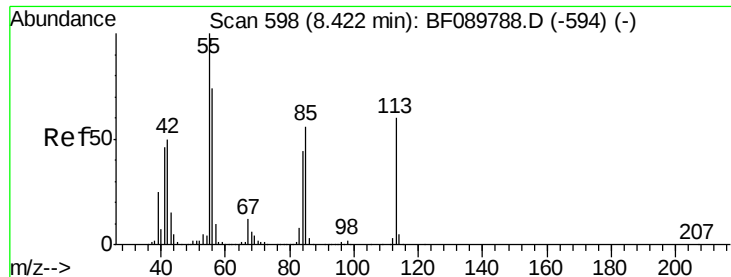
#34
 Hexachlorobutadiene
 Concen: 45.32 ng
 RT: 8.12 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:	225	Resp:	810947
Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.0	76.6
227	65.8	49.8	74.6



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

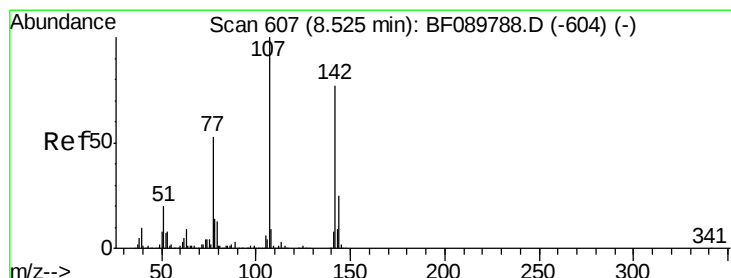
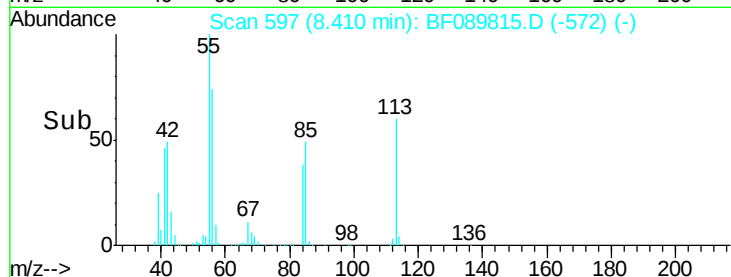
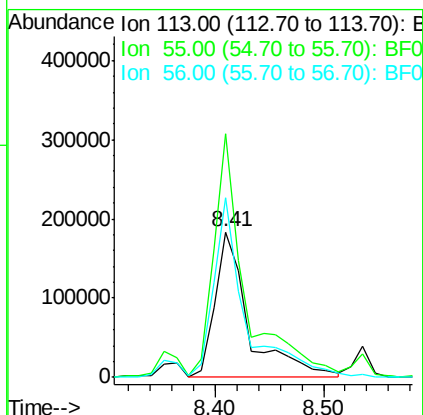
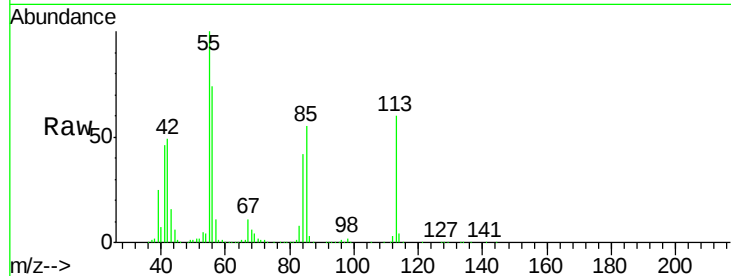




#35
 Caprolactam
 Concen: 41.53 ng
 RT: 8.41 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

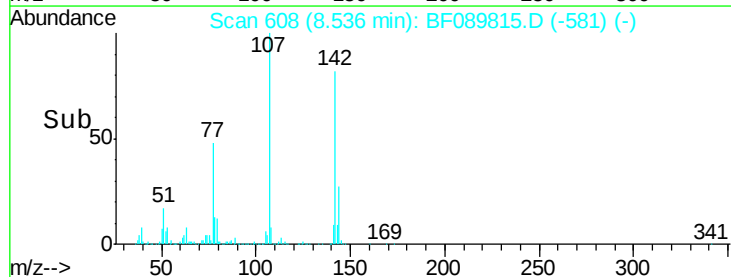
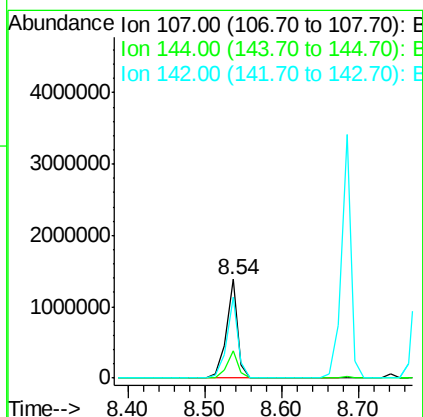
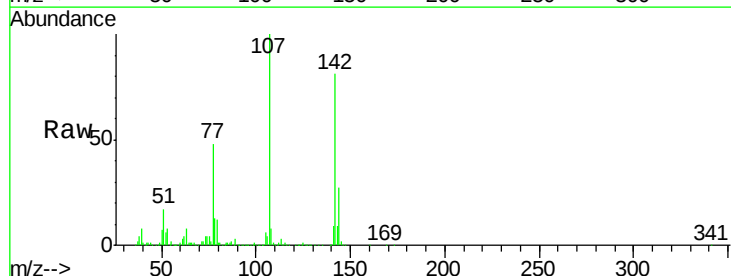
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

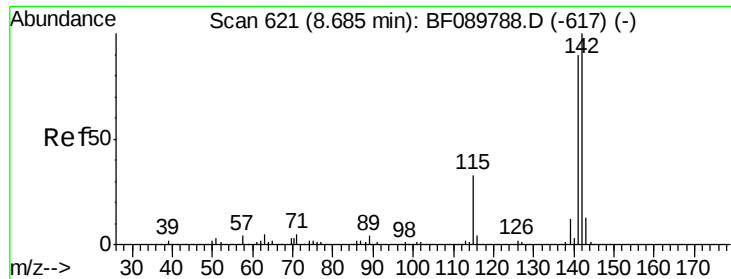
Tgt Ion:113 Resp: 390688
 Ion Ratio Lower Upper
 113 100
 55 167.3 135.9 175.9
 56 123.7 93.9 133.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.27 ng
 RT: 8.54 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:107 Resp: 1447838
 Ion Ratio Lower Upper
 107 100
 144 27.1 22.6 34.0
 142 81.5 69.3 103.9

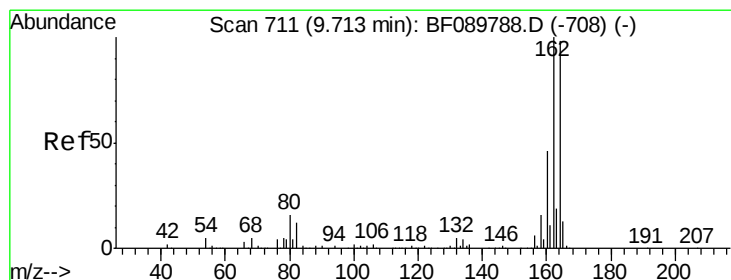
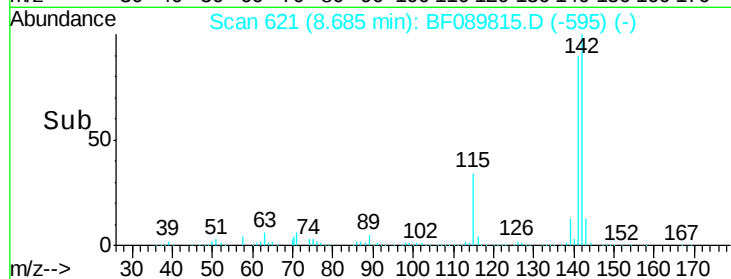
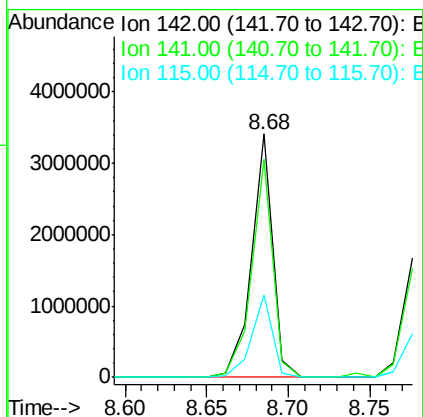
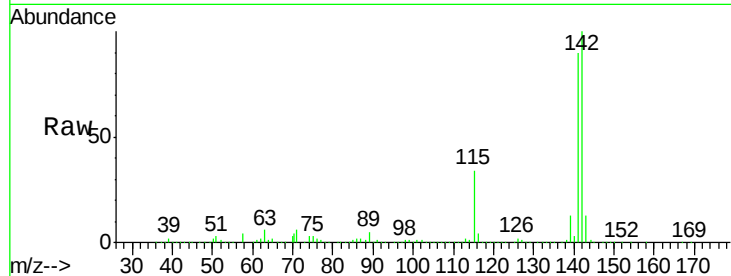




#37
 2-Methylnaphthalene
 Concen: 44.69 ng
 RT: 8.68 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

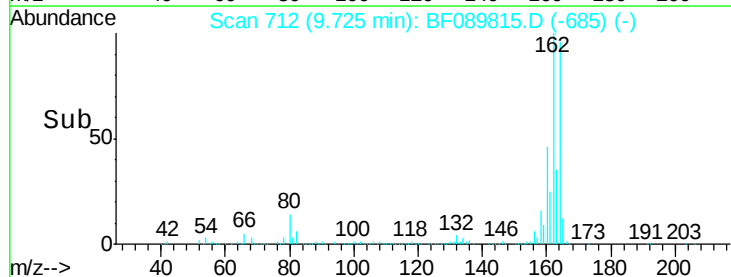
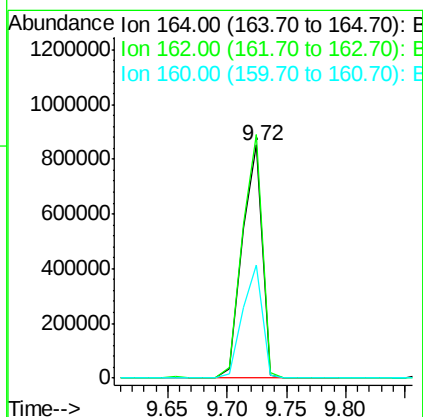
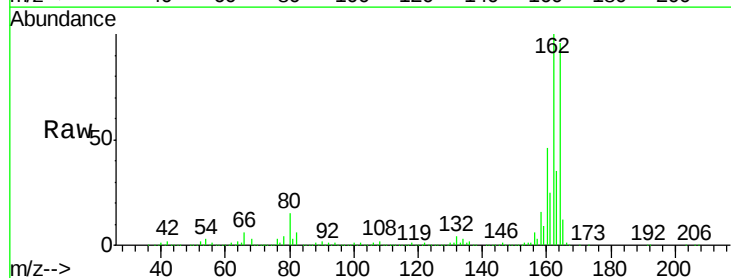
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

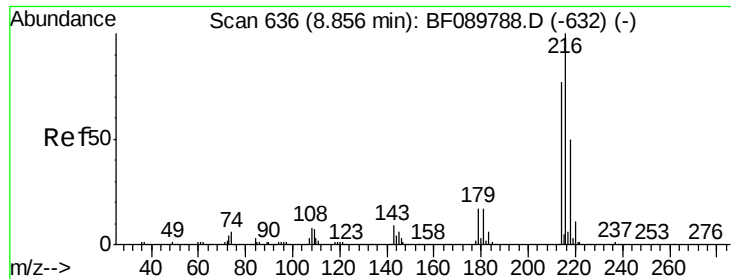
Tgt Ion:142 Resp: 3063690
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.4 107.2
 115 34.0 22.7 34.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:164 Resp: 990961
 Ion Ratio Lower Upper
 164 100
 162 104.6 81.4 122.2
 160 48.5 37.8 56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.55 ng

RT: 8.86 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

Tgt Ion:216 Resp: 1236888

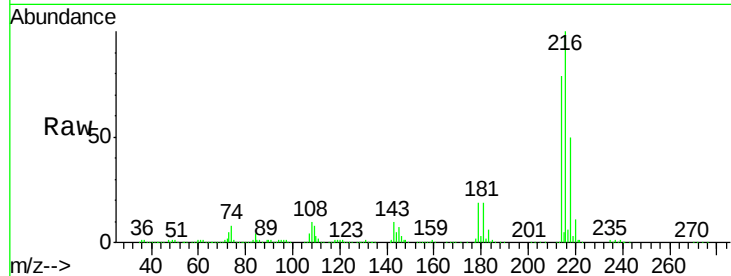
Ion Ratio Lower Upper

216 100

214 79.8 63.5 95.3

179 21.4 19.9 29.9

108 18.2 19.9 29.9#

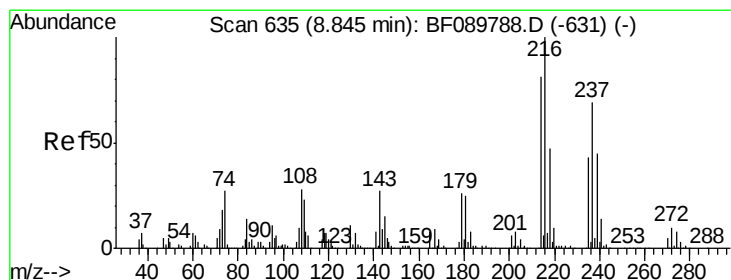
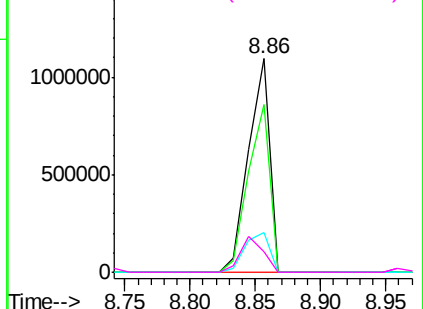
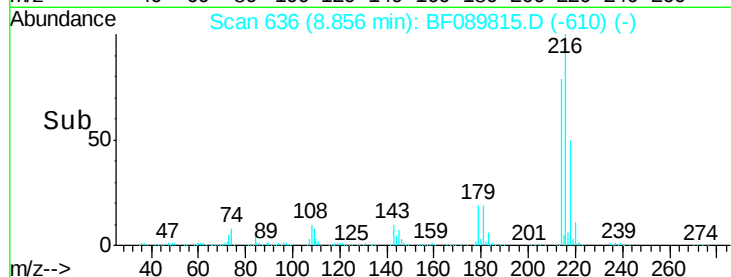


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 54.76 ng

RT: 8.84 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

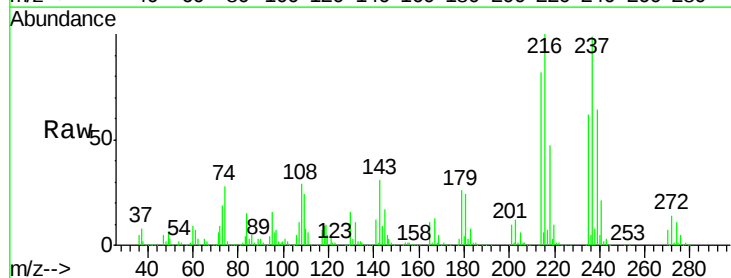
Tgt Ion:237 Resp: 610117

Ion Ratio Lower Upper

237 100

235 62.9 43.7 83.7

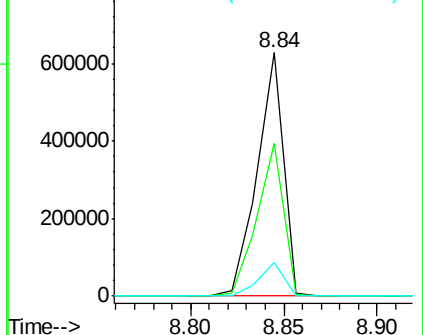
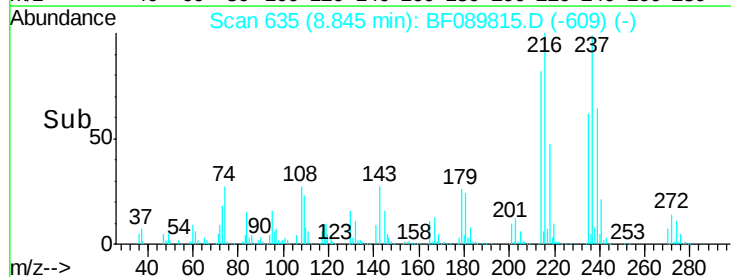
272 13.9 0.0 31.6

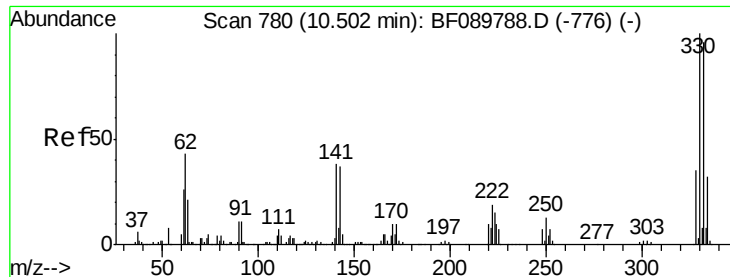


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

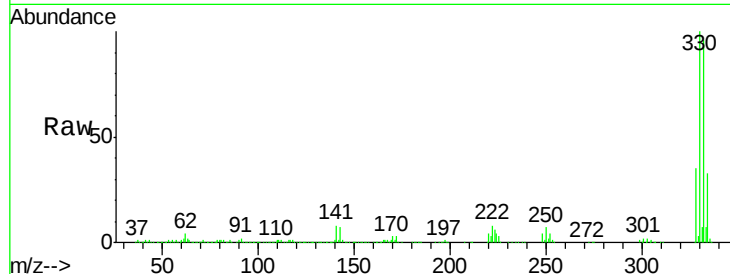




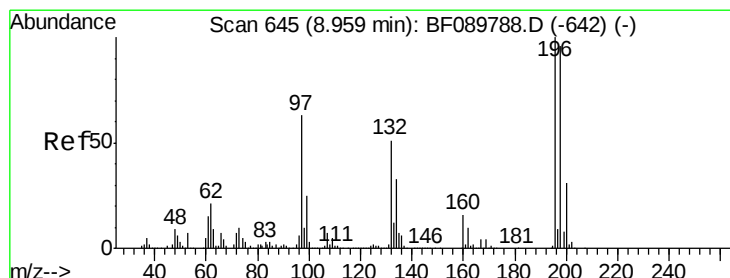
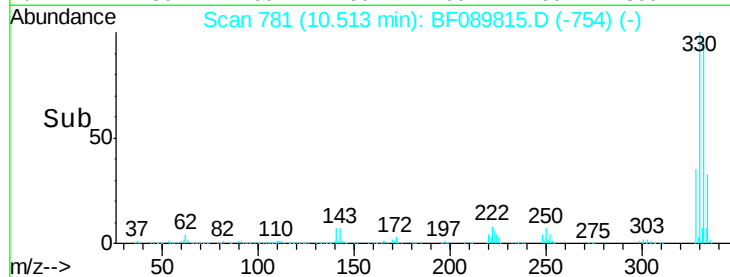
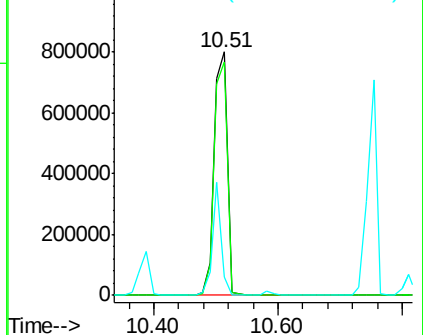
#41
 2,4,6-Tribromophenol
 Concen: 120.44 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:330 Resp: 1134221
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.7 115.1
 141 31.7 30.2 45.2

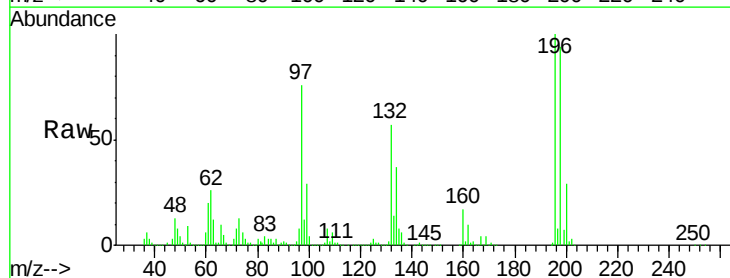


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

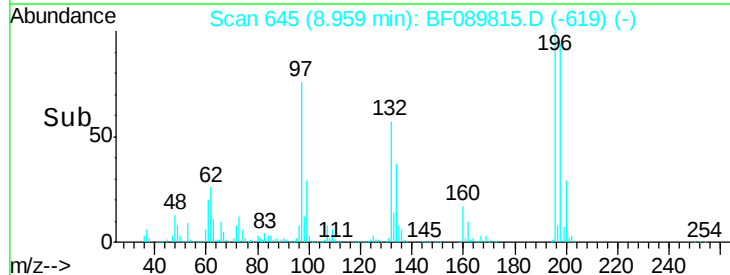
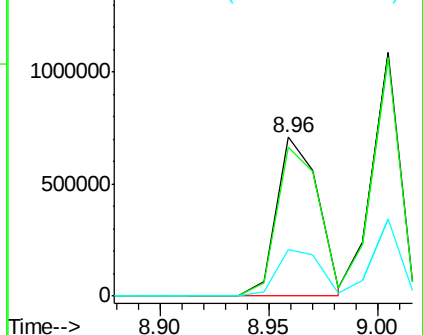


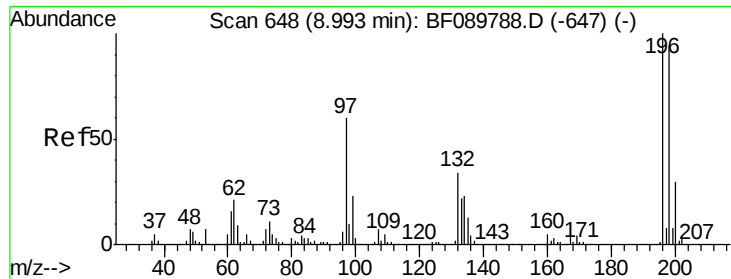
#42
 2,4,6-Trichlorophenol
 Concen: 46.76 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:196 Resp: 944023
 Ion Ratio Lower Upper
 196 100
 198 93.8 76.3 114.5
 200 29.4 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

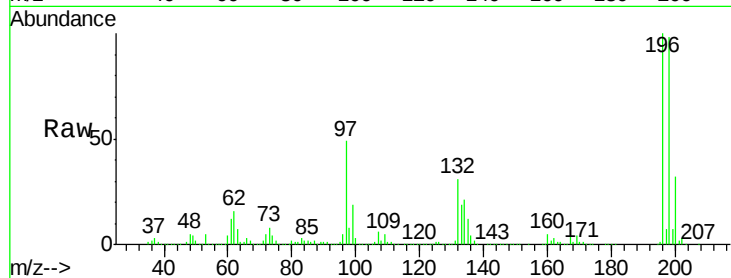




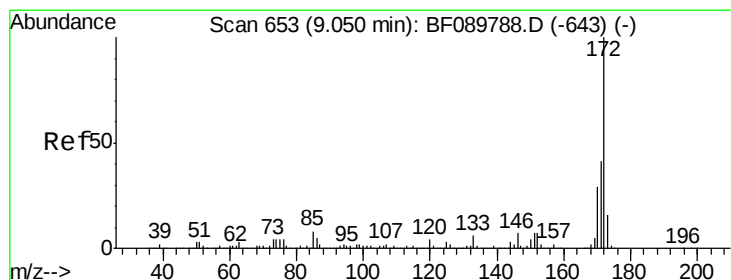
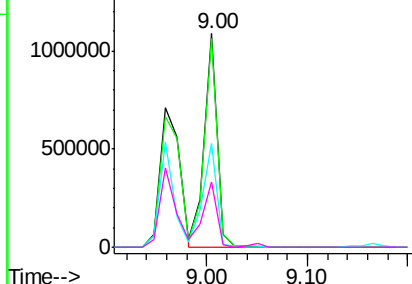
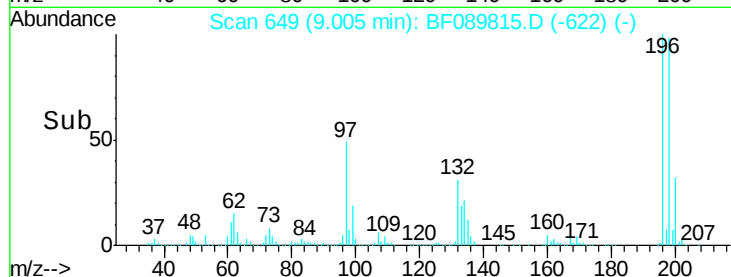
#43
 2,4,5-Trichlorophenol
 Concen: 48.26 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:196 Resp: 969036
 Ion Ratio Lower Upper
 196 100
 198 97.9 76.6 114.8
 97 48.7 35.8 53.8
 132 30.7 23.5 35.3

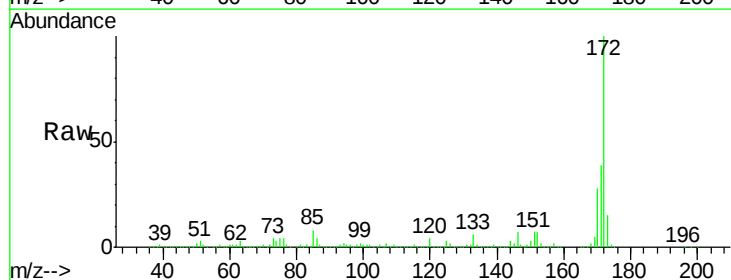


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

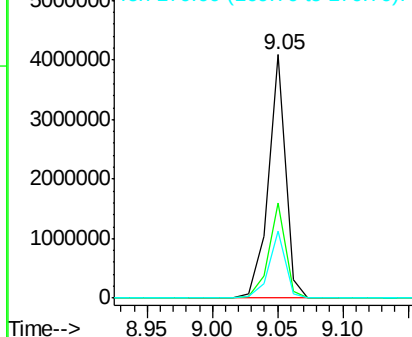
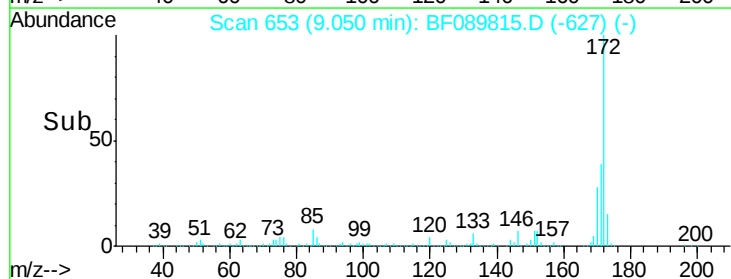


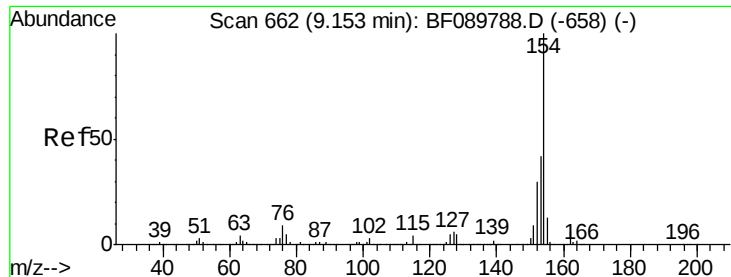
#44
 2-Fluorobiphenyl
 Concen: 67.20 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:172 Resp: 3789083
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.5 45.7
 170 27.5 20.6 31.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

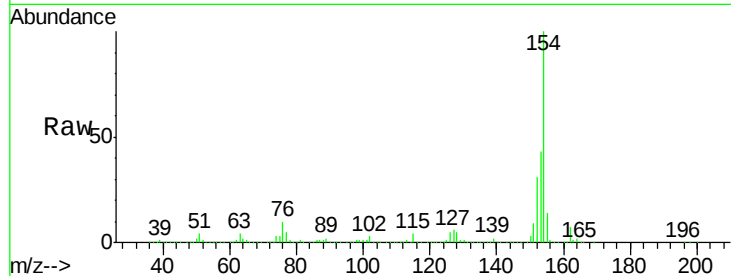




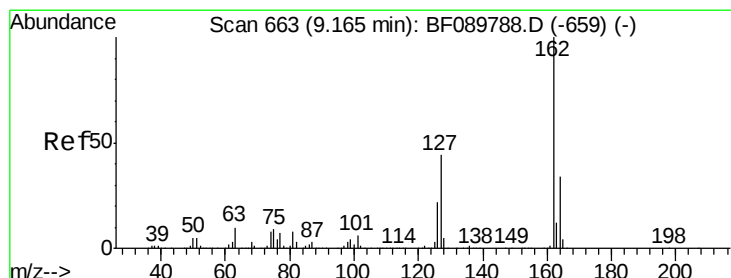
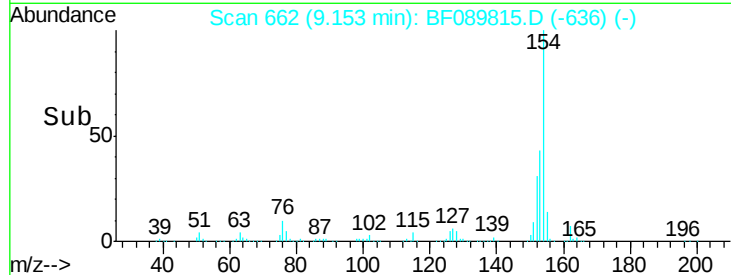
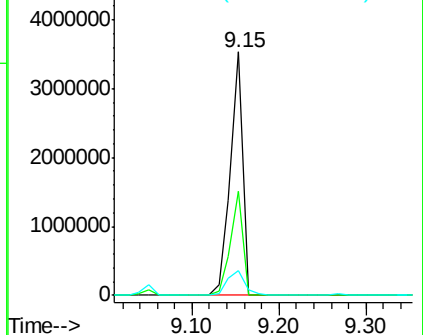
#45
 1,1'-Biphenyl
 Concen: 45.59 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:154 Resp: 3496408
 Ion Ratio Lower Upper
 154 100
 153 43.0 21.5 61.5
 76 10.3 0.0 36.7

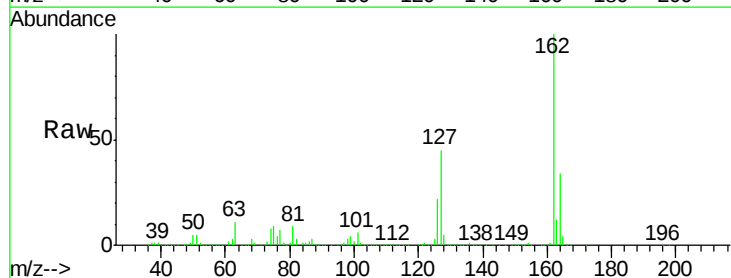


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

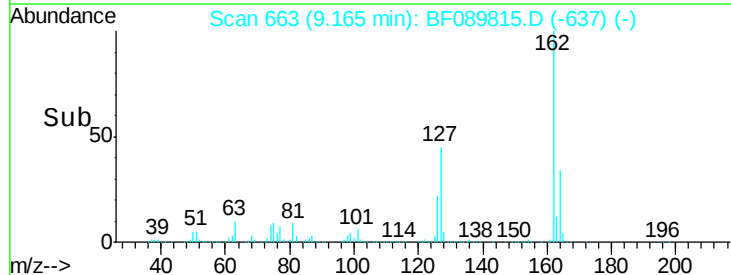
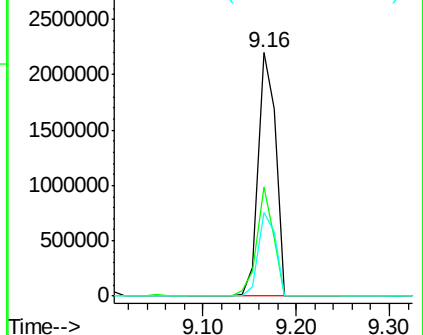


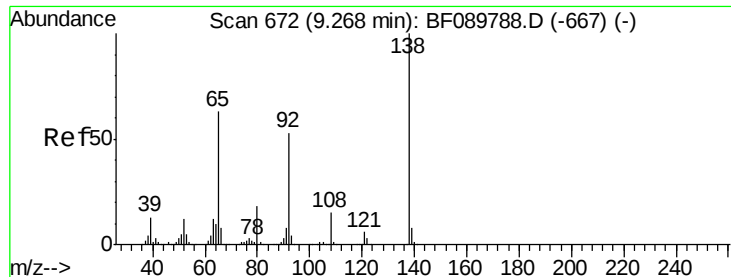
#46
 2-Chloronaphthalene
 Concen: 47.14 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:162 Resp: 2857484
 Ion Ratio Lower Upper
 162 100
 127 45.0 35.5 53.3
 164 34.1 26.6 40.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 56.12 ng

RT: 9.27 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

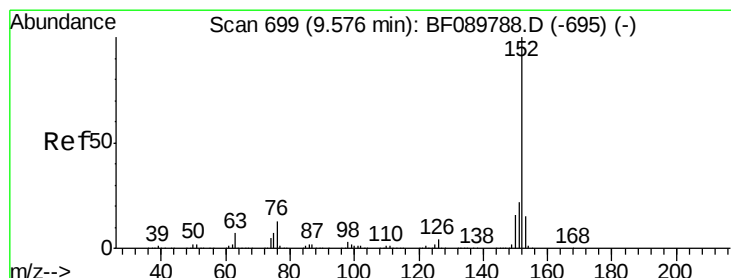
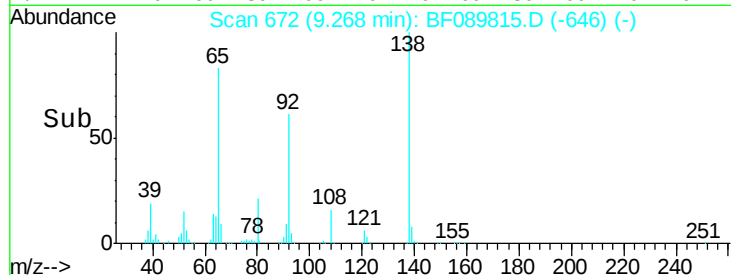
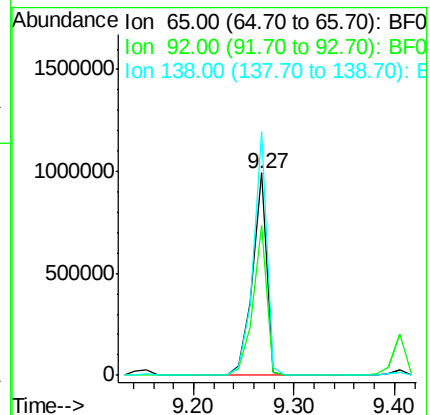
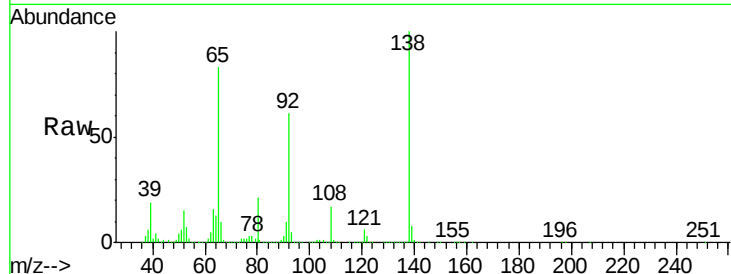
Tgt Ion: 65 Resp: 970314

Ion Ratio Lower Upper

65 100

92 74.0 56.3 84.5

138 120.4 81.8 122.8



#48

Acenaphthylene

Concen: 49.23 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

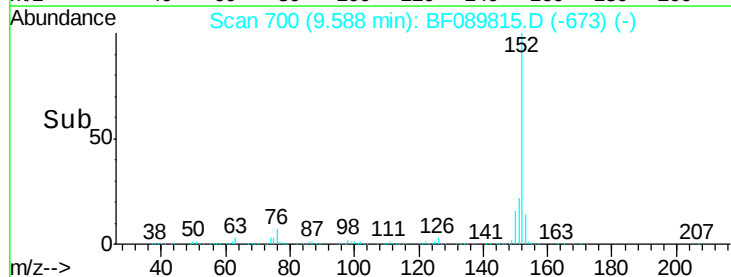
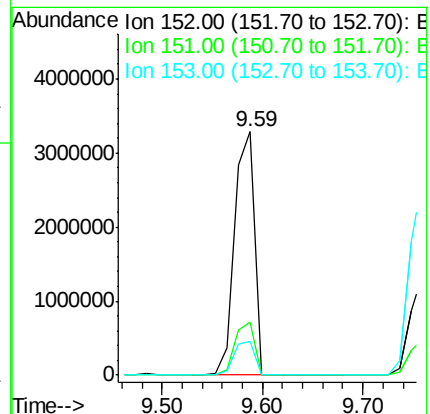
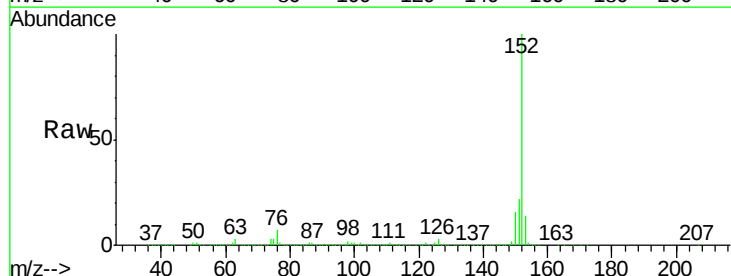
Tgt Ion: 152 Resp: 4484409

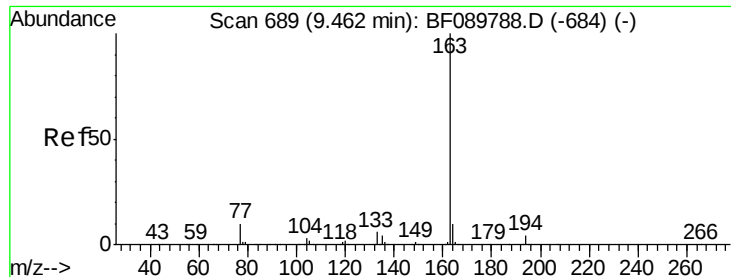
Ion Ratio Lower Upper

152 100

151 21.6 17.1 25.7

153 14.0 11.2 16.8

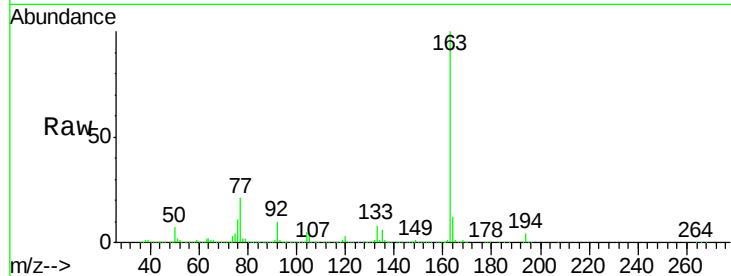




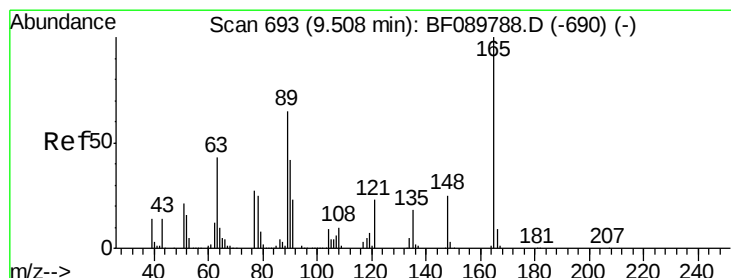
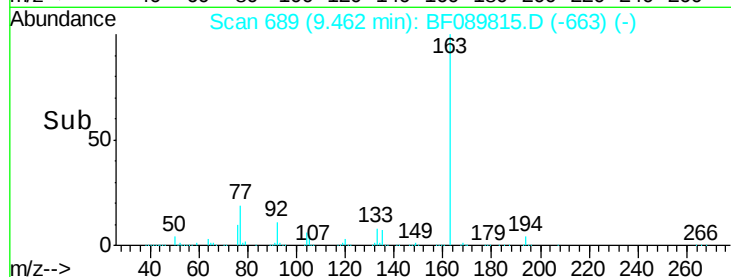
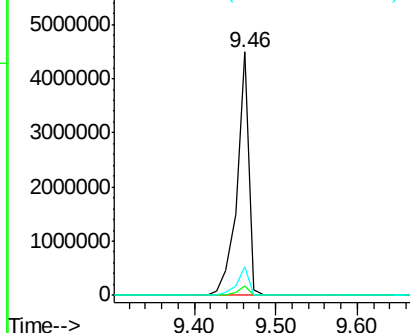
#49
Dimethylphthalate
Concen: 65.12 ng
RT: 9.46 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion:163 Resp: 4543661
Ion Ratio Lower Upper
163 100
194 3.9 2.6 3.8#
164 12.0 8.6 12.8

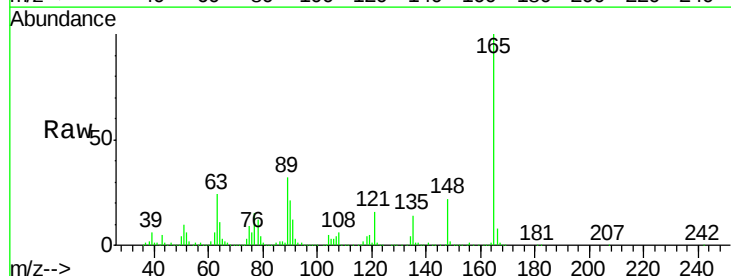


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

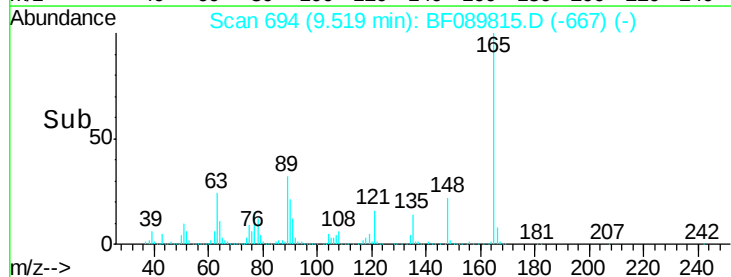
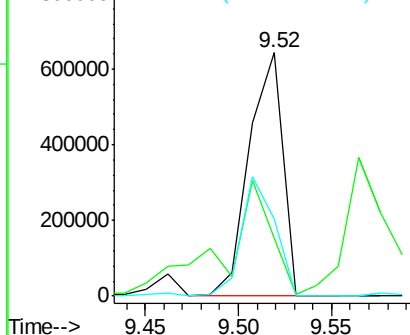


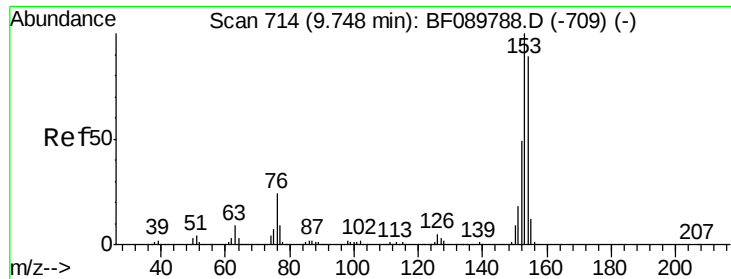
#50
2,6-Dinitrotoluene
Concen: 49.84 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:165 Resp: 802929
Ion Ratio Lower Upper
165 100
63 23.7 41.7 62.5#
89 31.8 44.6 67.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

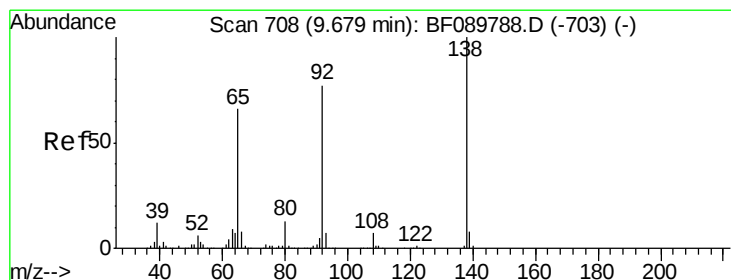
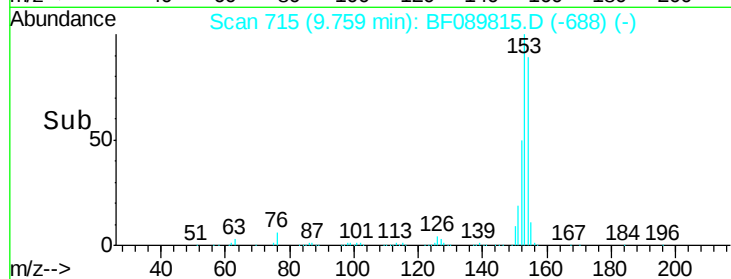
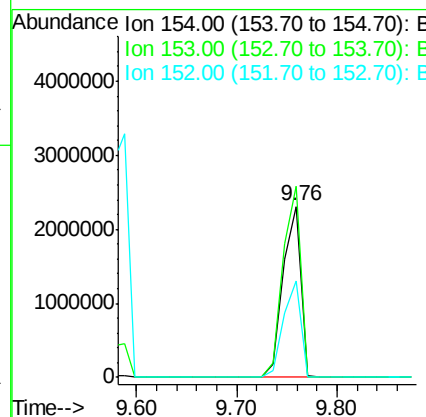
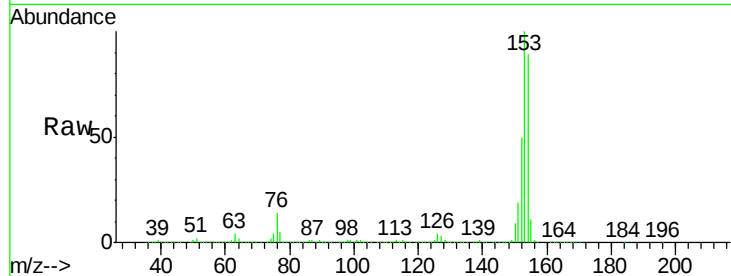




#51
Acenaphthene
Concen: 46.98 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.01 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

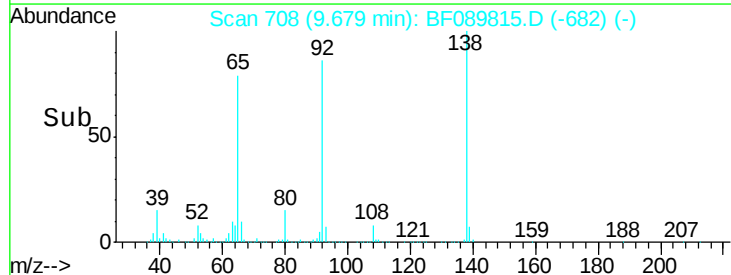
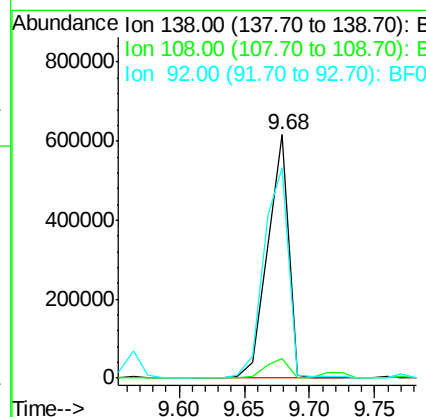
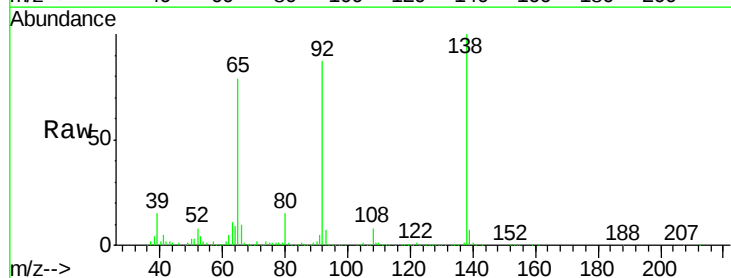
Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

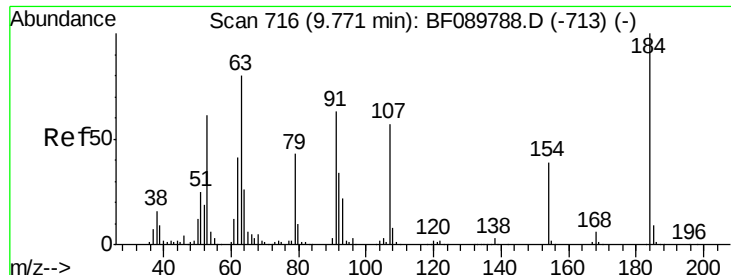
Tgt Ion:154 Resp: 2832467
Ion Ratio Lower Upper
154 100
153 111.8 90.5 135.7
152 56.2 44.6 67.0



#52
3-Nitroaniline
Concen: 38.90 ng
RT: 9.68 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:138 Resp: 694266
Ion Ratio Lower Upper
138 100
108 8.1 8.1 12.1
92 86.6 92.7 139.1#

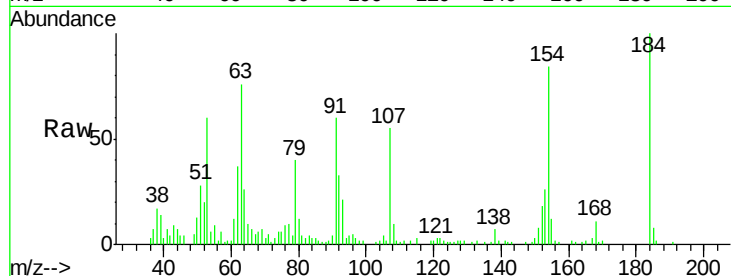




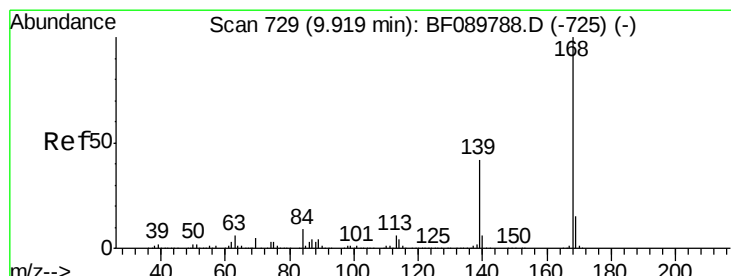
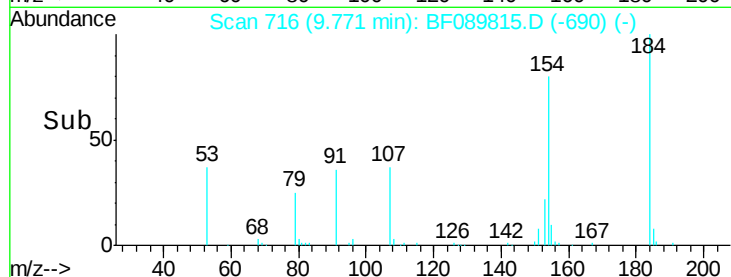
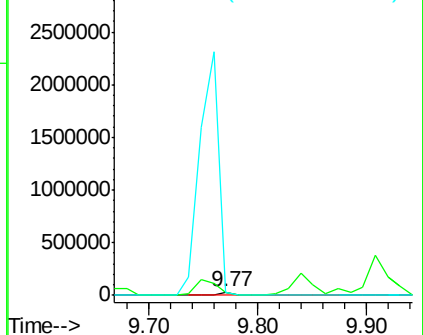
#53
2,4-Dinitrophenol
Concen: 7.58 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion:184 Resp: 32930
Ion Ratio Lower Upper
184 100
63 75.8 54.2 81.4
154 83.8 52.7 79.1#

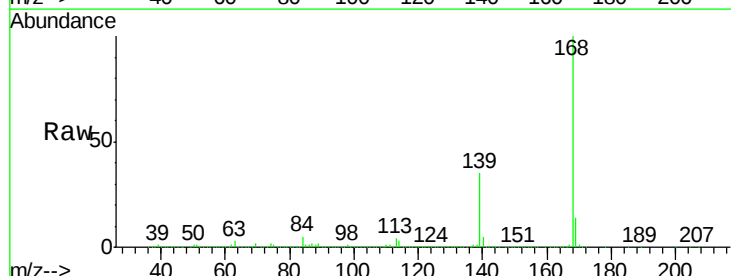


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

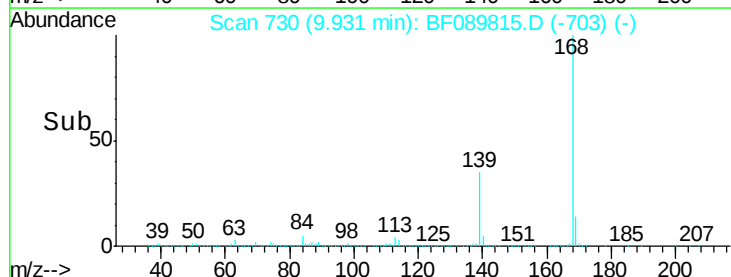
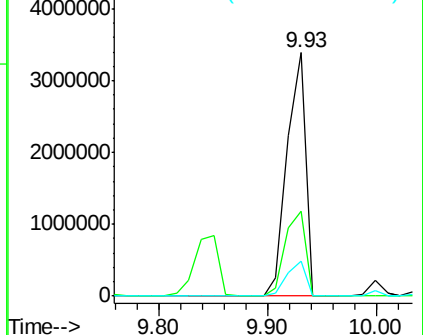


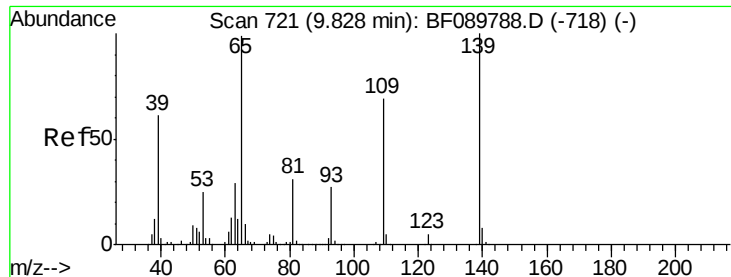
#54
Dibenzofuran
Concen: 53.57 ng
RT: 9.93 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:168 Resp: 4056805
Ion Ratio Lower Upper
168 100
139 35.1 34.6 52.0
169 14.4 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

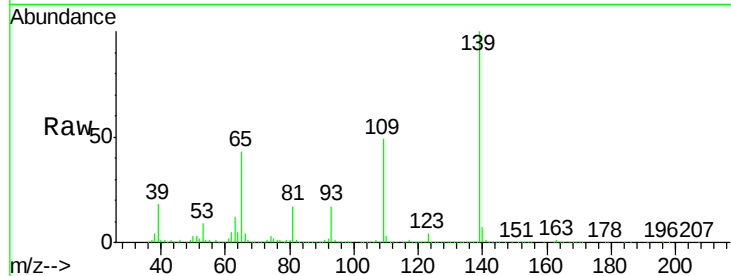




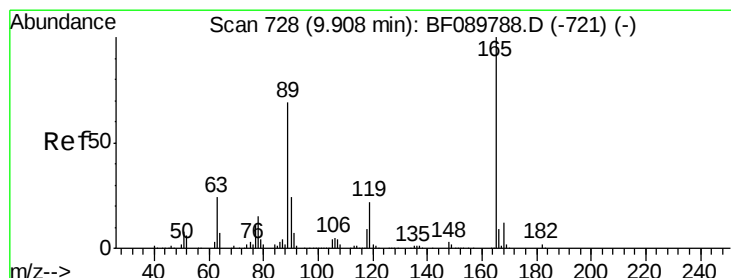
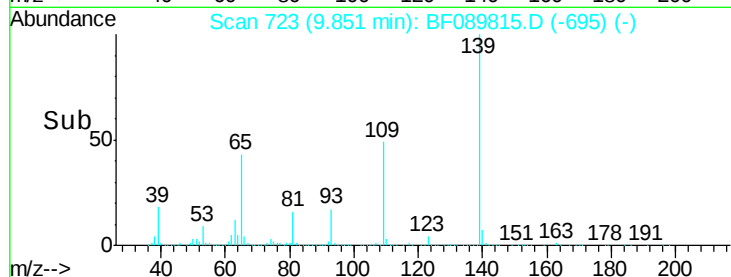
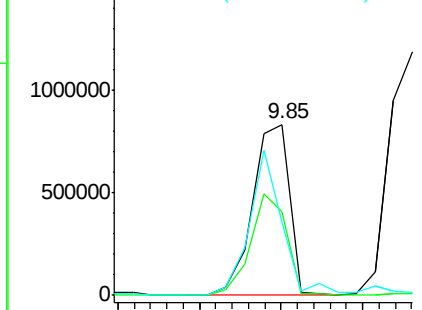
#55
4-Nitrophenol
Concen: 89.91 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.02 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion:139 Resp: 1309744
Ion Ratio Lower Upper
139 100
109 48.8 43.0 83.0
65 43.2 55.7 95.7#

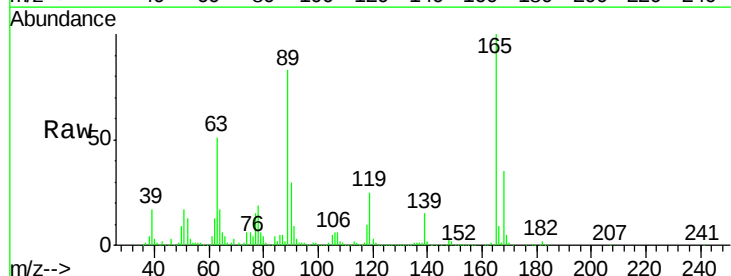


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

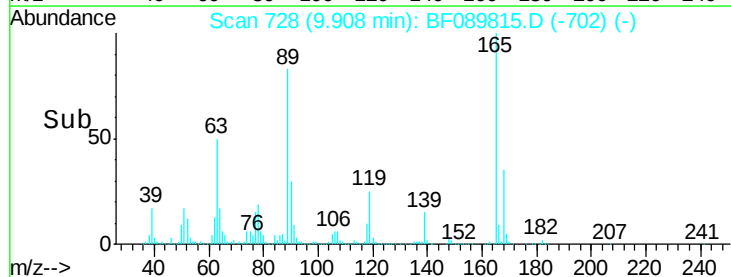
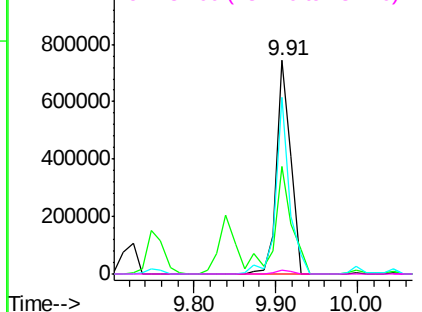


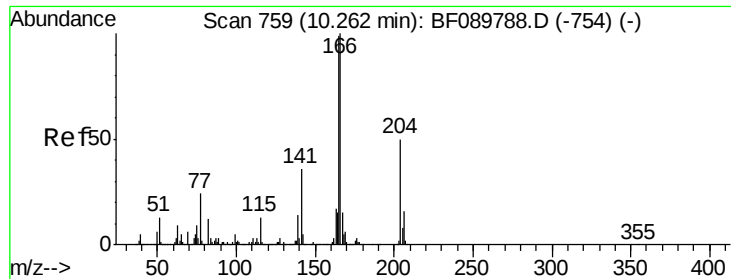
#56
2,4-Dinitrotoluene
Concen: 43.27 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:165 Resp: 904438
Ion Ratio Lower Upper
165 100
63 50.6 23.7 35.5#
89 82.7 44.0 66.0#
182 1.9 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 45.93 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

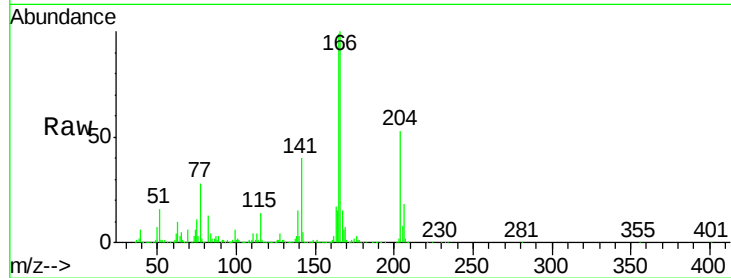
Tgt Ion:166 Resp: 2771843

Ion Ratio Lower Upper

166 100

165 98.5 80.2 120.4

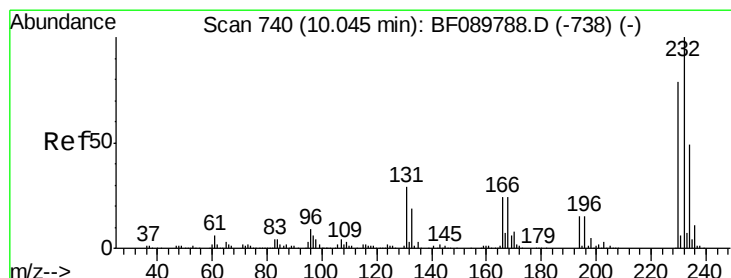
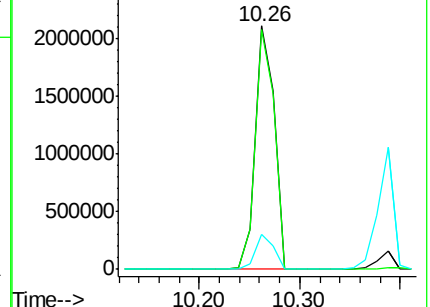
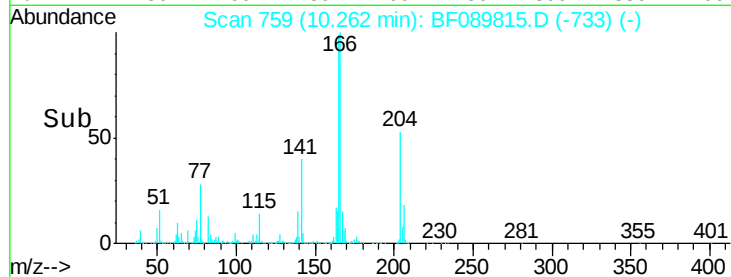
167 14.6 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.82 ng

RT: 10.04 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Tgt Ion:232 Resp: 742690

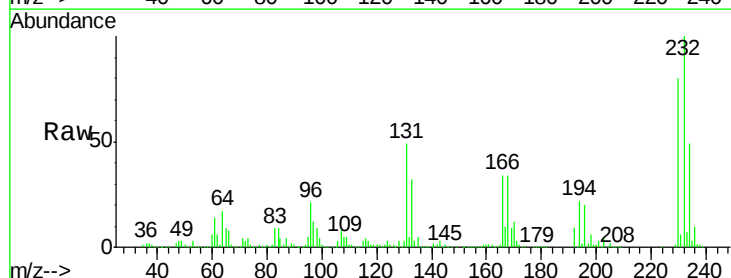
Ion Ratio Lower Upper

232 100

131 52.3 42.5 63.7

130 3.7 2.2 3.4#

166 34.3 27.3 40.9

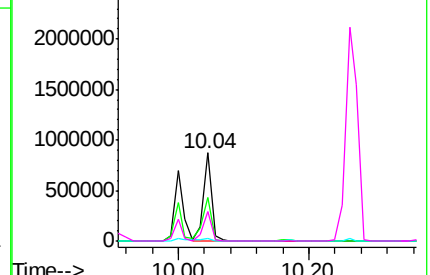
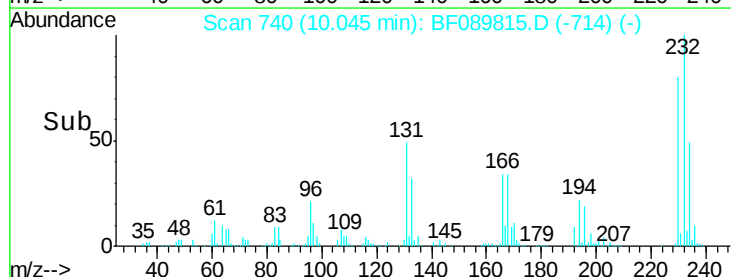


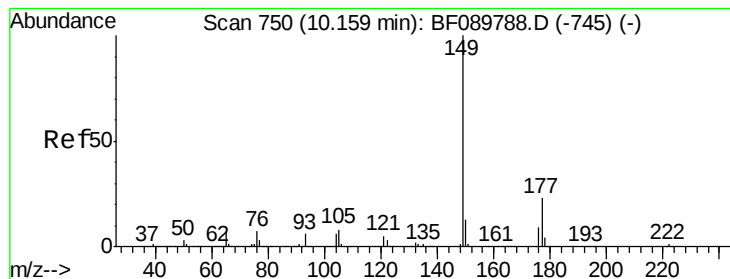
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 48.17 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

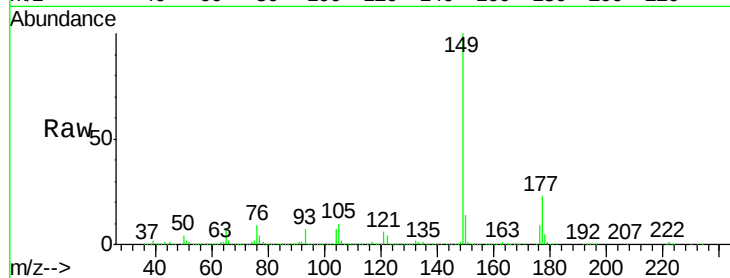
Tgt Ion:149 Resp: 3414648

Ion Ratio Lower Upper

149 100

177 23.3 16.6 25.0

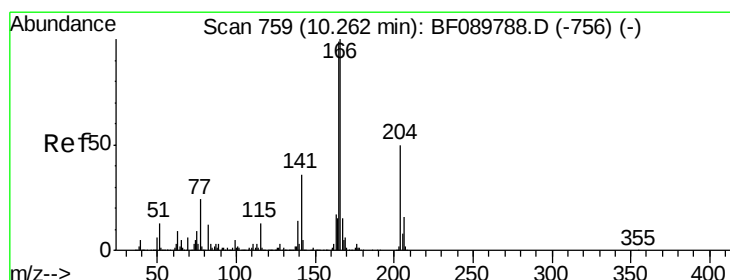
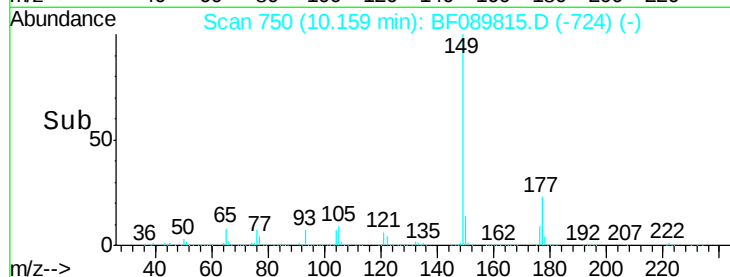
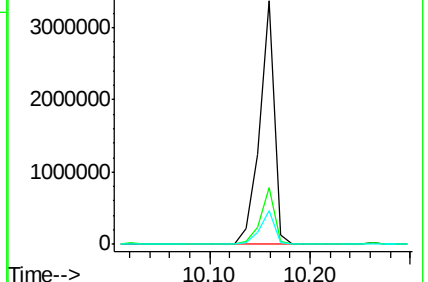
150 13.7 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 43.50 ng

RT: 10.26 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

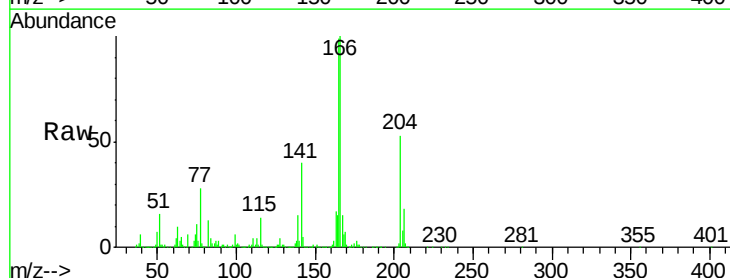
Tgt Ion:204 Resp: 1197482

Ion Ratio Lower Upper

204 100

206 33.4 26.5 39.7

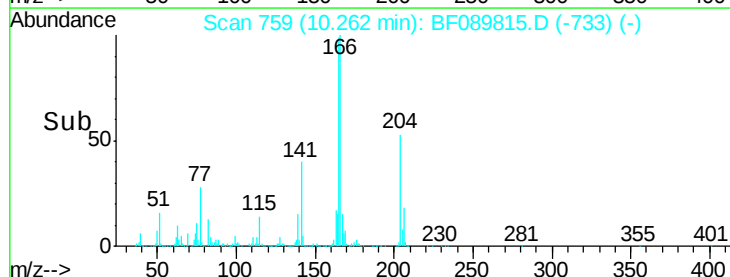
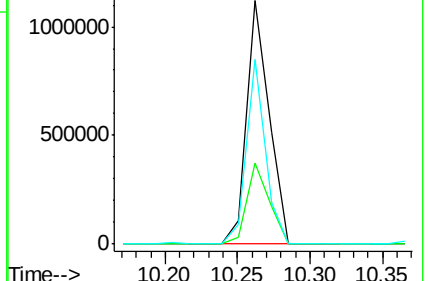
141 75.7 54.1 81.1

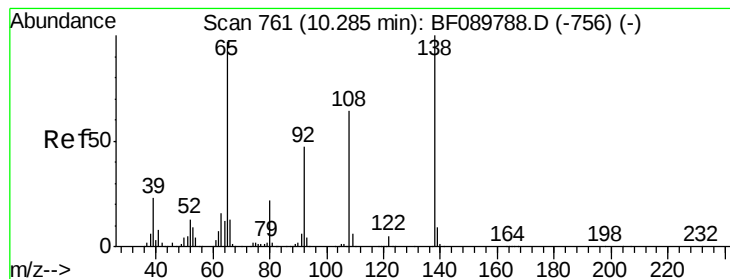


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

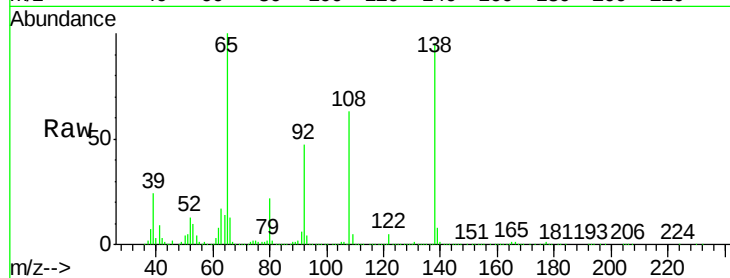




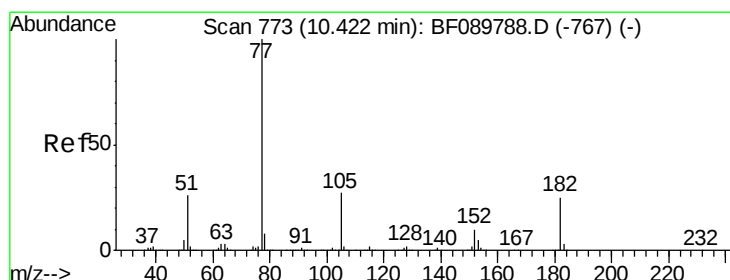
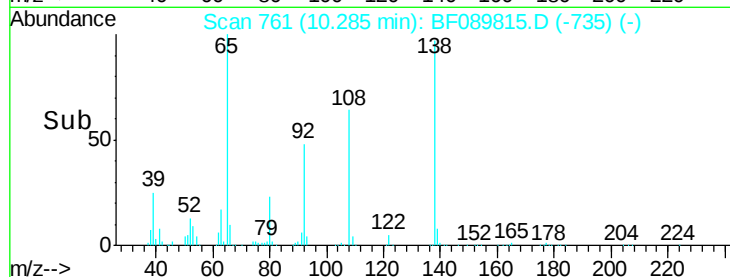
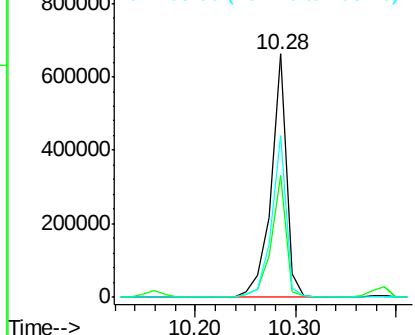
#61
4-Nitroaniline
Concen: 42.08 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion: 138 Resp: 704111
Ion Ratio Lower Upper
138 100
92 49.9 26.4 66.4
108 66.4 47.0 87.0

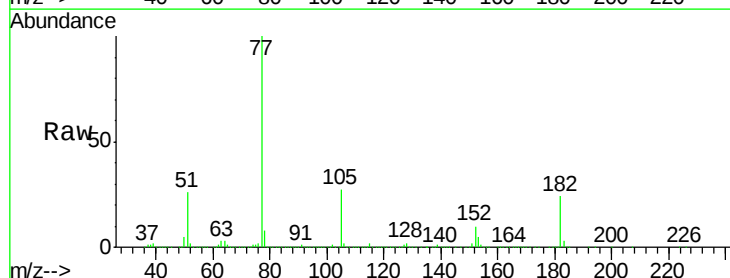


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

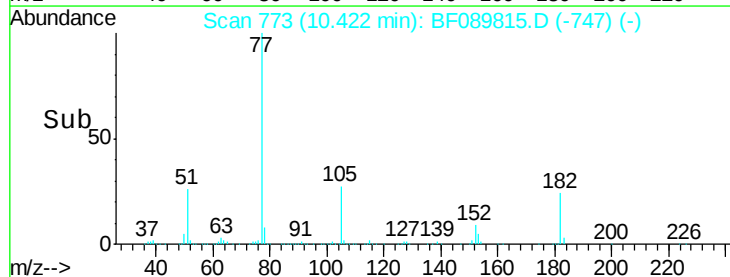
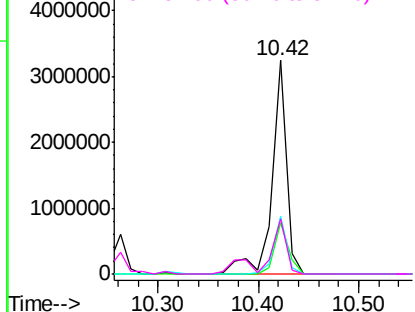


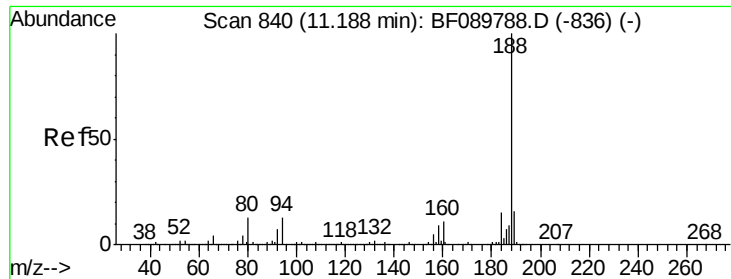
#62
Azobenzene
Concen: 49.45 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion: 77 Resp: 3295077
Ion Ratio Lower Upper
77 100
182 24.2 5.6 45.6
105 26.9 4.0 44.0
51 26.0 7.8 47.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

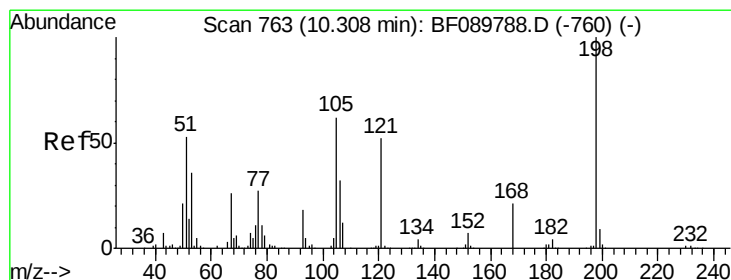
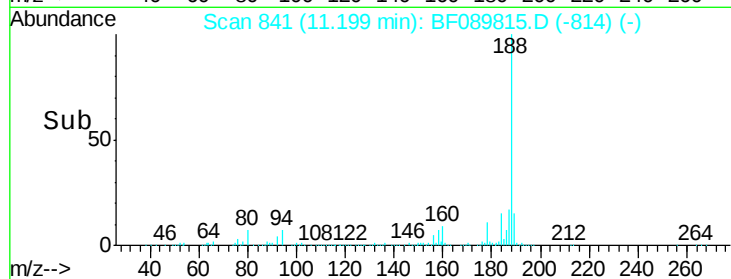
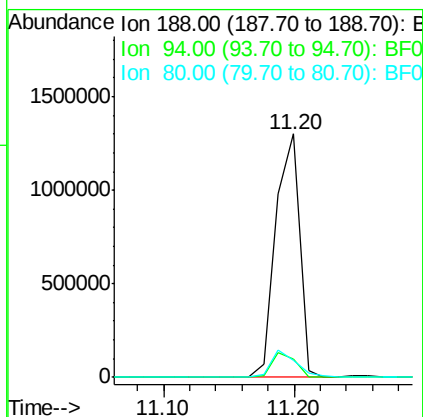
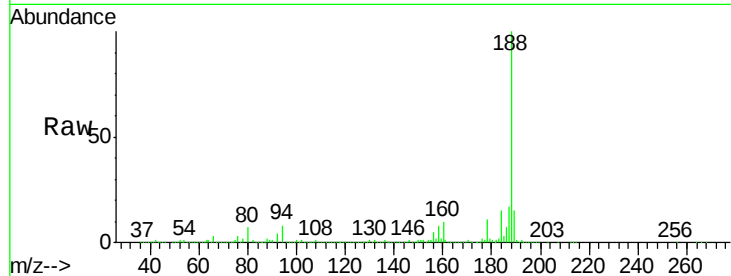




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

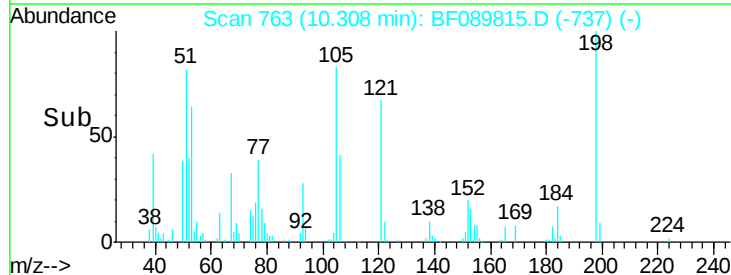
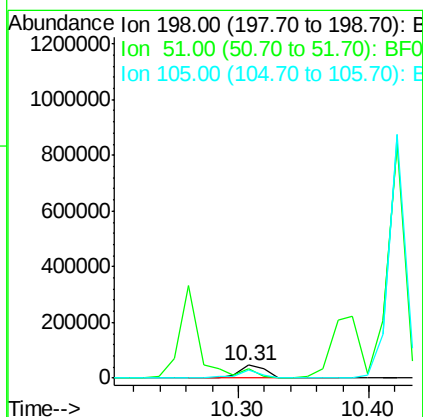
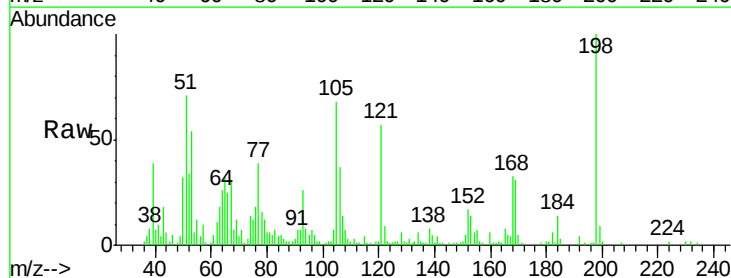
Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

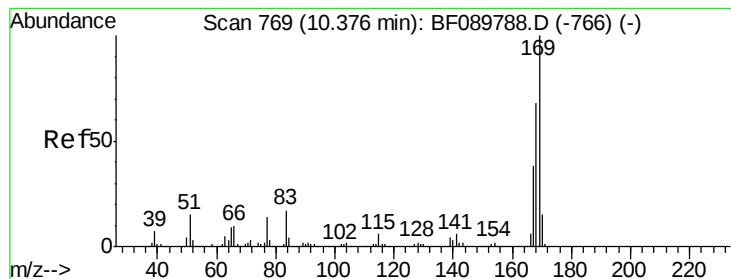
Tgt Ion:188 Resp: 1640879
 Ion Ratio Lower Upper
 188 100
 94 7.6 10.2 15.2#
 80 7.1 10.9 16.3#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.90 ng
 RT: 10.31 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:198 Resp: 65029
 Ion Ratio Lower Upper
 198 100
 51 71.1 32.3 72.3
 105 68.1 32.9 72.9





#65

n-Nitrosodiphenylamine

Concen: 55.74 ng

RT: 10.39 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

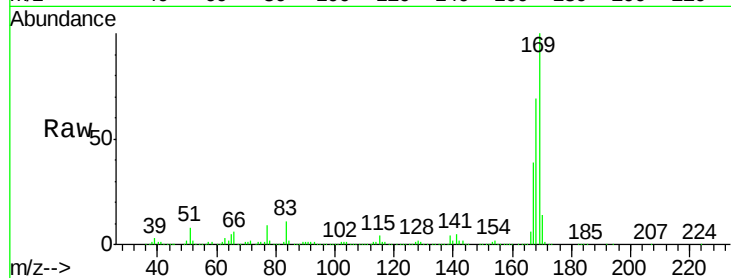
Tgt Ion:169 Resp: 2875706

Ion Ratio Lower Upper

169 100

168 68.9 54.6 82.0

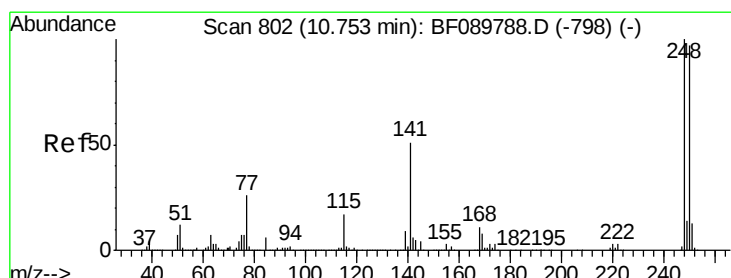
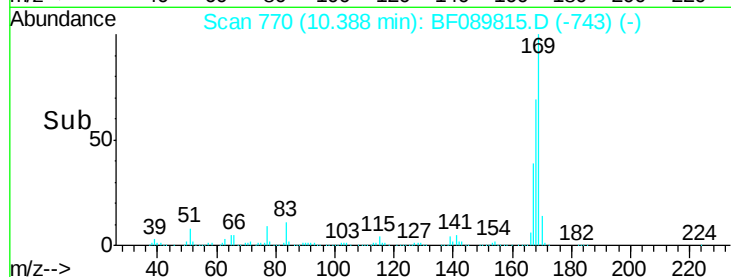
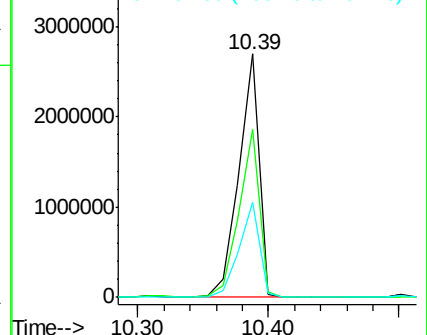
167 39.2 30.6 45.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 51.35 ng

RT: 10.75 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

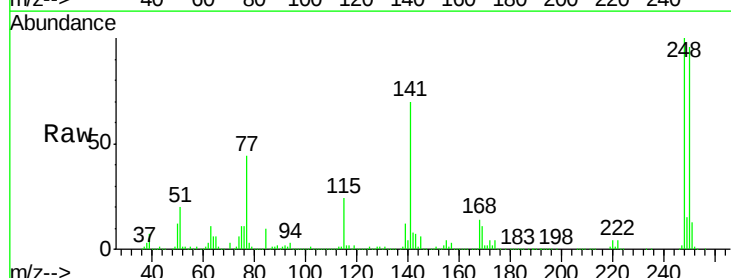
Tgt Ion:248 Resp: 883376

Ion Ratio Lower Upper

248 100

250 96.2 78.6 117.8

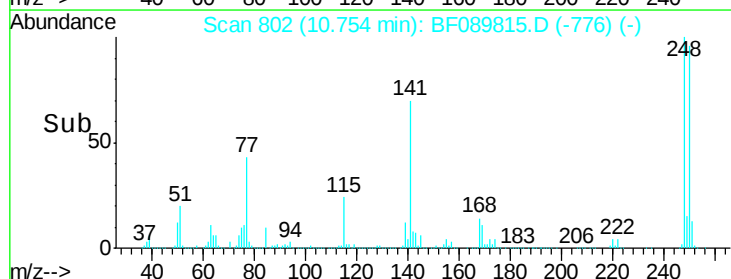
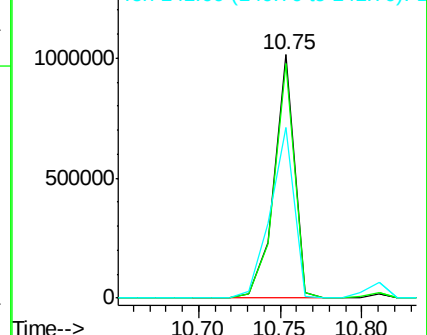
141 70.1 31.4 47.2#

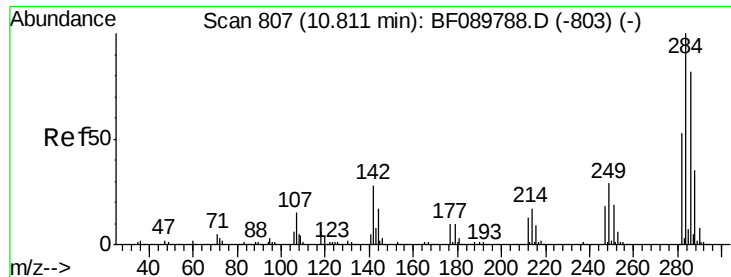


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

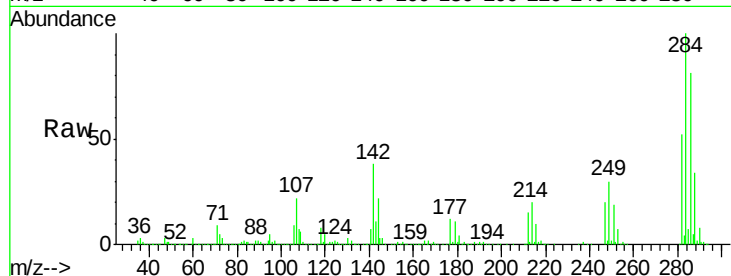




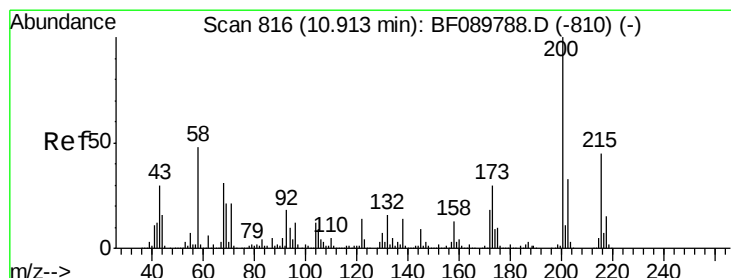
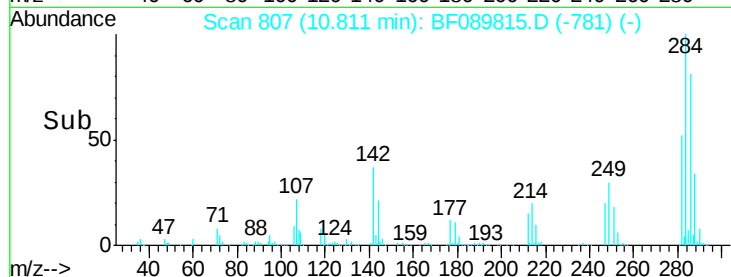
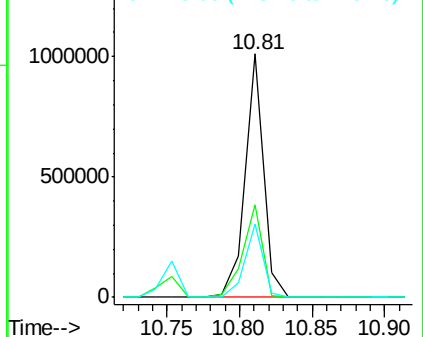
#67
Hexachlorobenzene
Concen: 45.39 ng
RT: 10.81 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion:284 Resp: 890733
Ion Ratio Lower Upper
284 100
142 37.8 17.4 26.2#
249 30.4 22.8 34.2

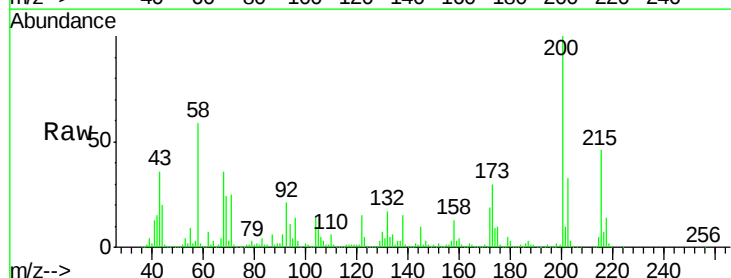


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

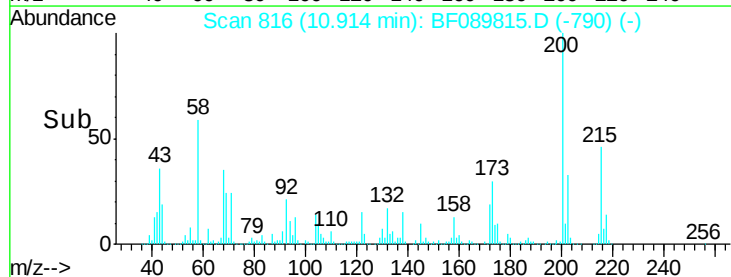
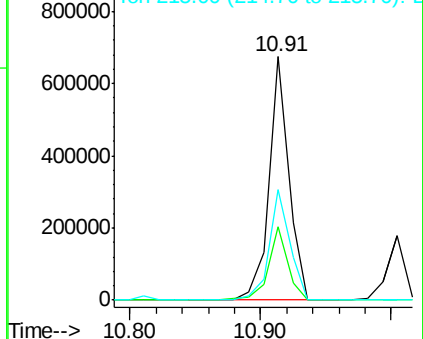


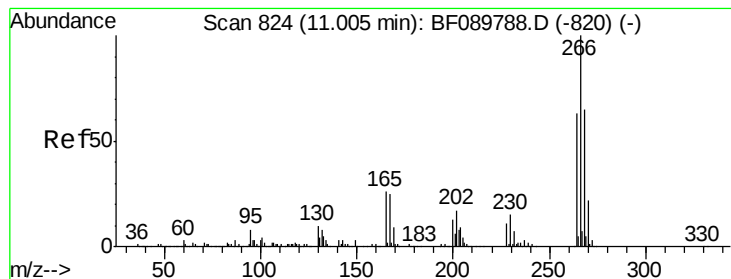
#68
Atrazine
Concen: 45.49 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:200 Resp: 718721
Ion Ratio Lower Upper
200 100
173 30.1 6.6 46.6
215 45.5 24.7 64.7



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 76.06 ng

RT: 11.00 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

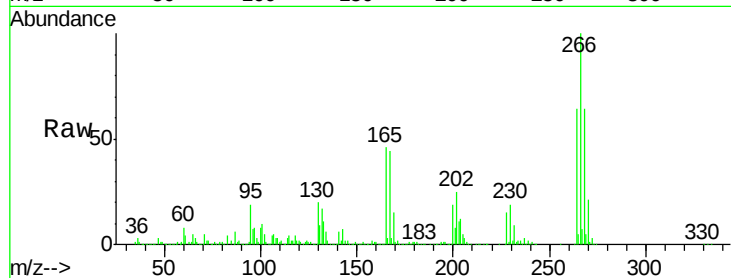
Tgt Ion:266 Resp: 846076

Ion Ratio Lower Upper

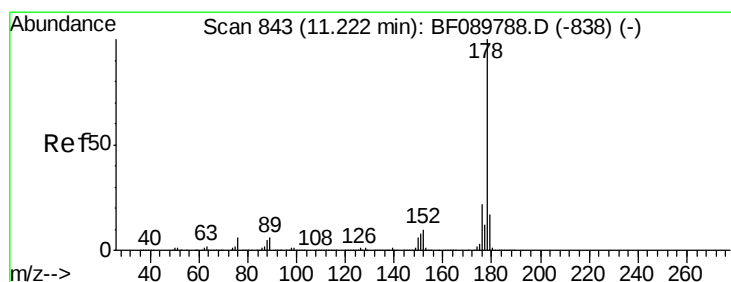
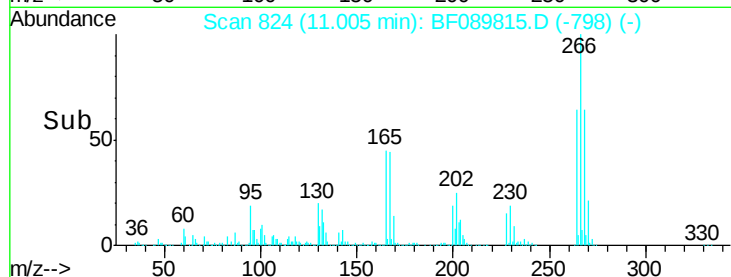
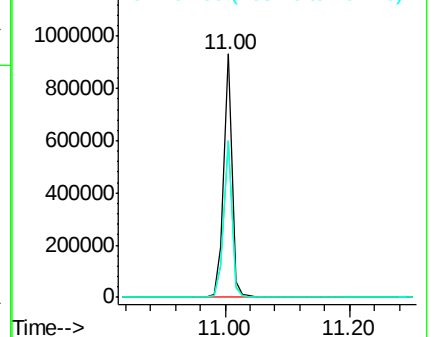
266 100

268 64.4 53.2 79.8

264 64.4 51.1 76.7



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 48.54 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

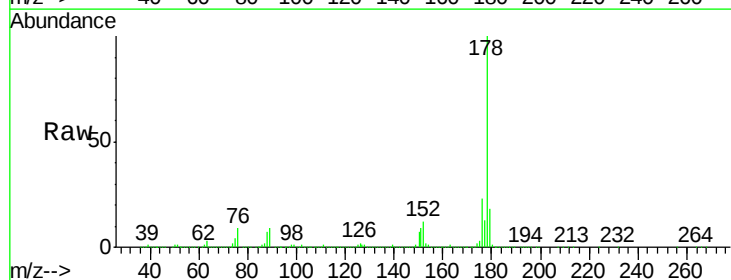
Tgt Ion:178 Resp: 4022749

Ion Ratio Lower Upper

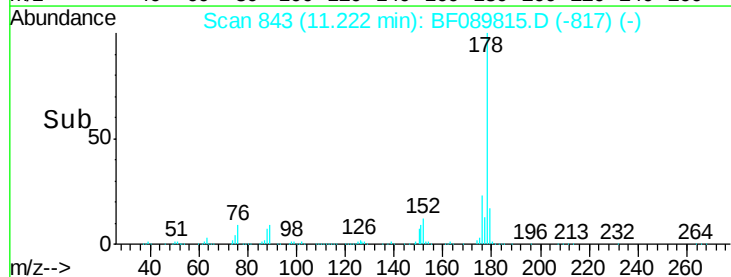
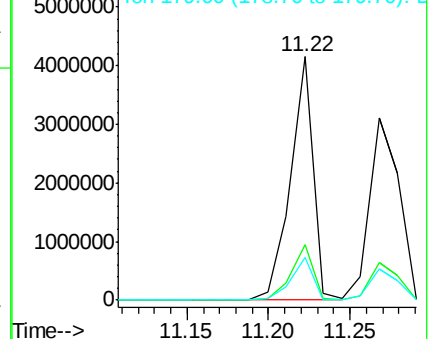
178 100

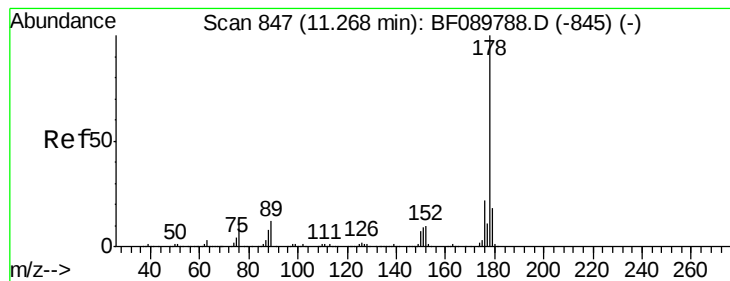
176 22.7 16.4 24.6

179 17.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 46.56 ng

RT: 11.27 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

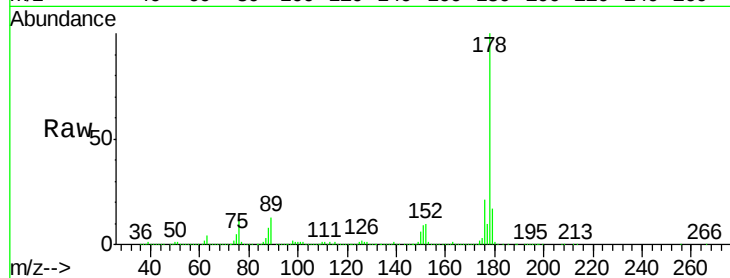
Tgt Ion:178 Resp: 3922715

Ion Ratio Lower Upper

178 100

176 20.9 16.4 24.6

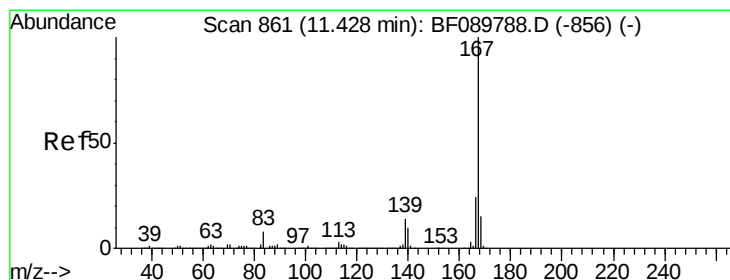
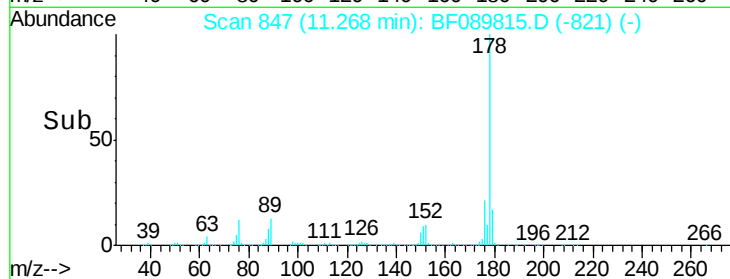
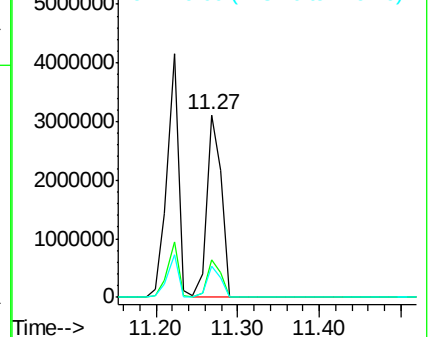
179 17.3 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 47.84 ng

RT: 11.43 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

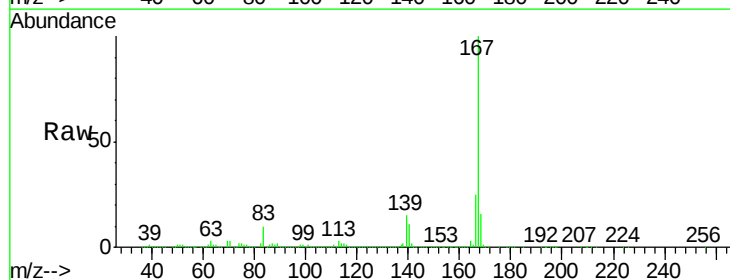
Tgt Ion:167 Resp: 3615006

Ion Ratio Lower Upper

167 100

166 24.6 17.9 26.9

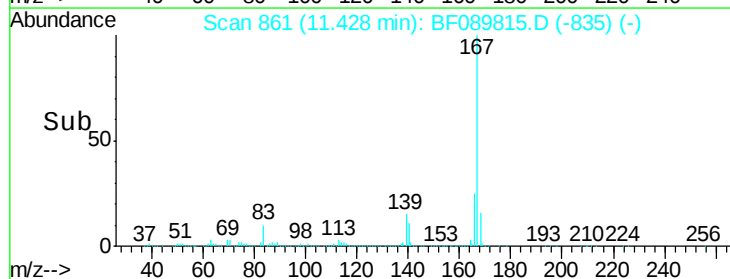
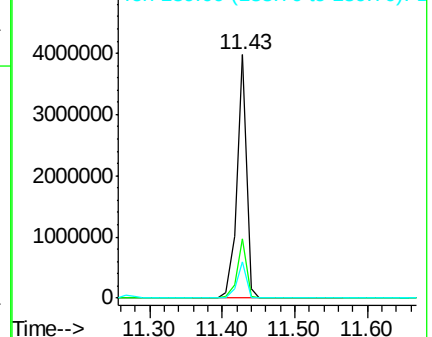
139 14.9 12.4 18.6

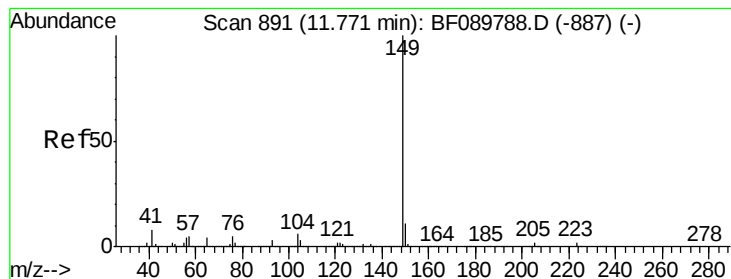


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 52.63 ng

RT: 11.78 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

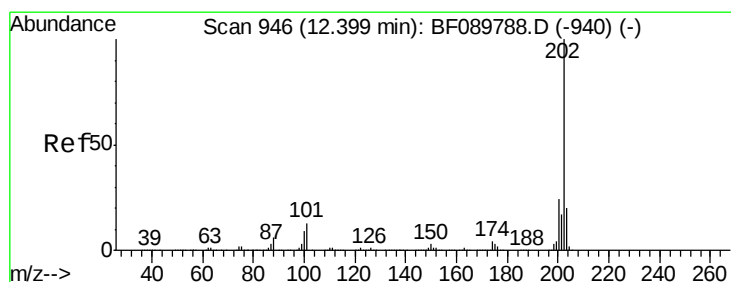
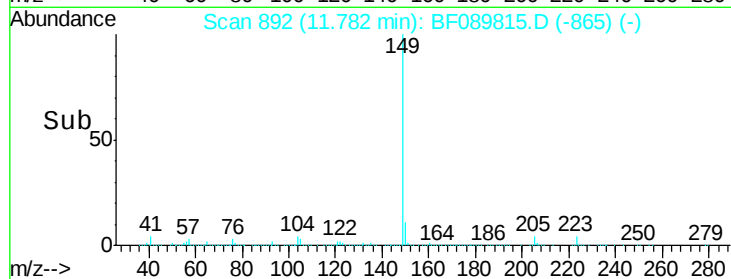
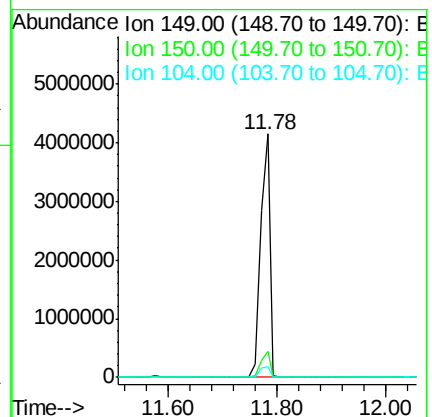
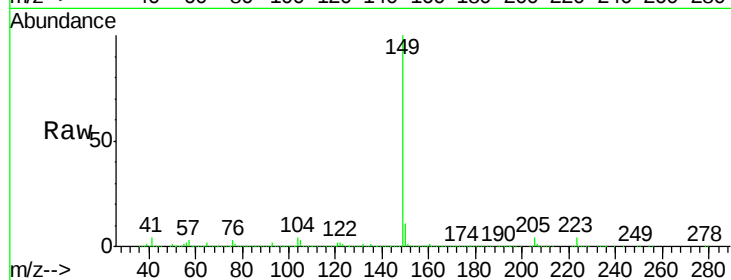
Tgt Ion:149 Resp: 4975884

Ion Ratio Lower Upper

149 100

150 10.6 7.9 11.9

104 4.2 4.3 6.5#



#74

Fluoranthene

Concen: 44.19 ng

RT: 12.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

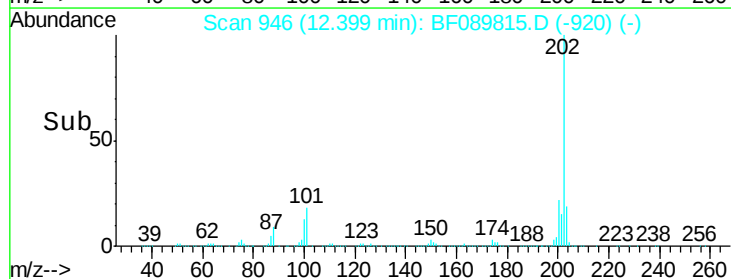
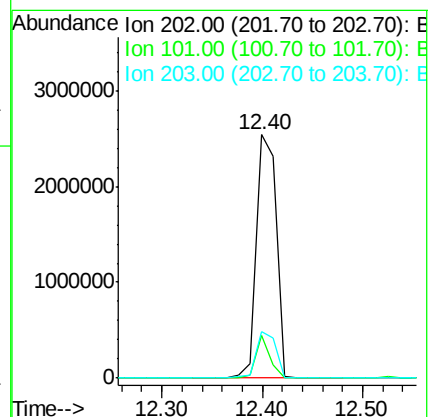
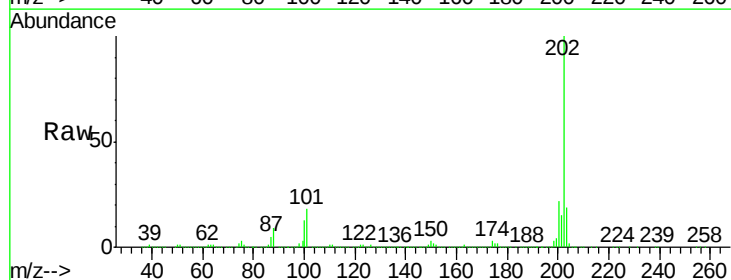
Tgt Ion:202 Resp: 3483241

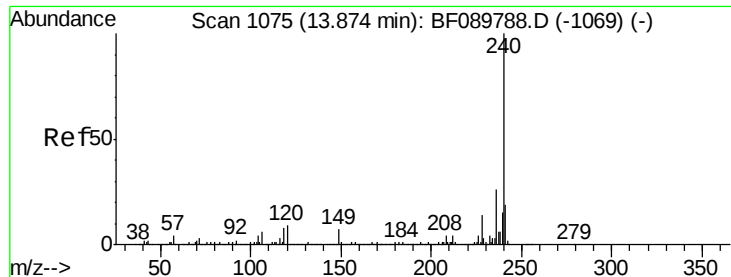
Ion Ratio Lower Upper

202 100

101 17.7 0.0 31.2

203 18.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

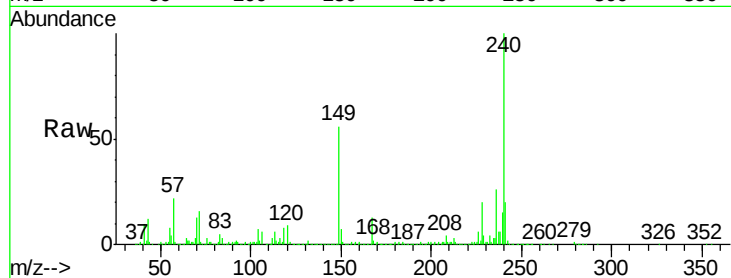
Tgt Ion:240 Resp: 1099410

Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

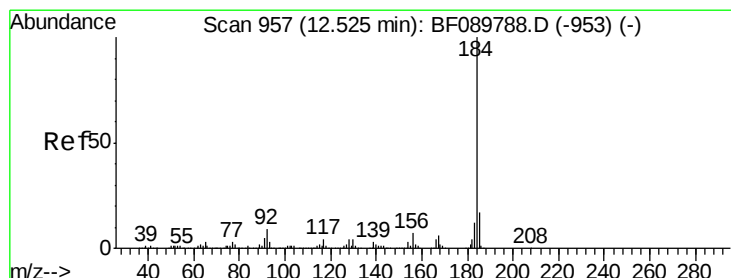
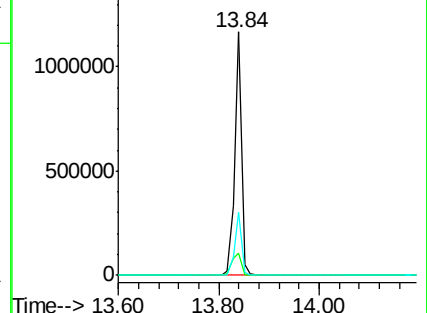
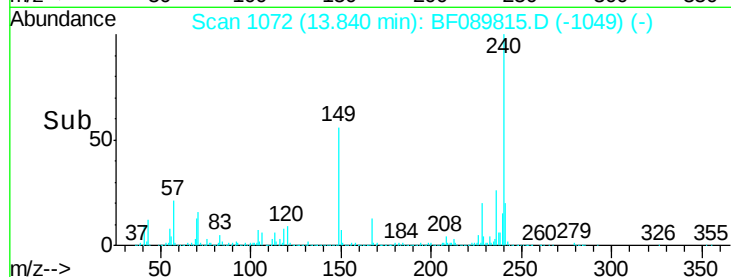
236 26.1 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 44.29 ng

RT: 12.53 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

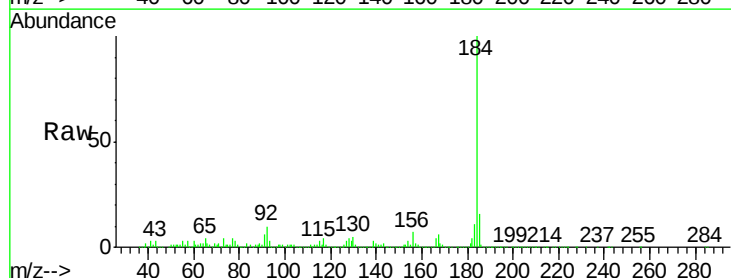
Tgt Ion:184 Resp: 1575875

Ion Ratio Lower Upper

184 100

185 16.5 13.8 20.8

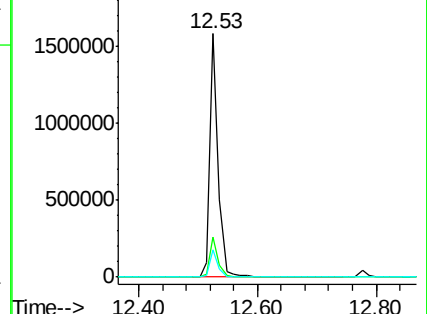
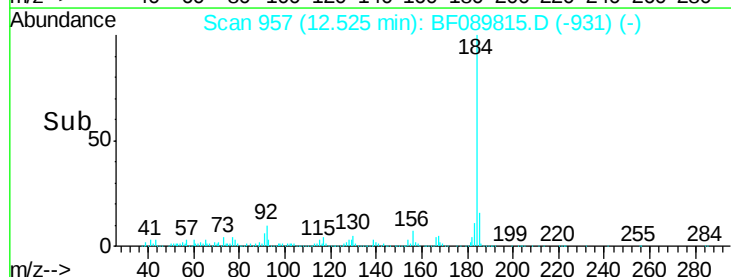
183 11.4 9.7 14.5

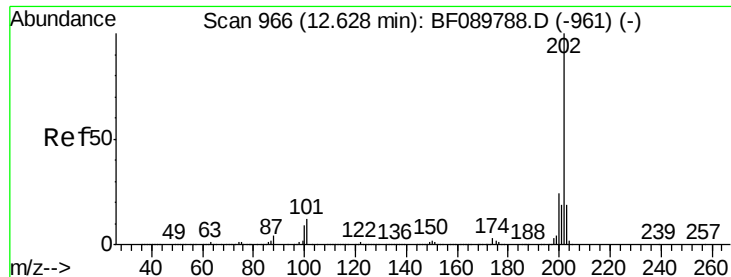


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 39.49 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

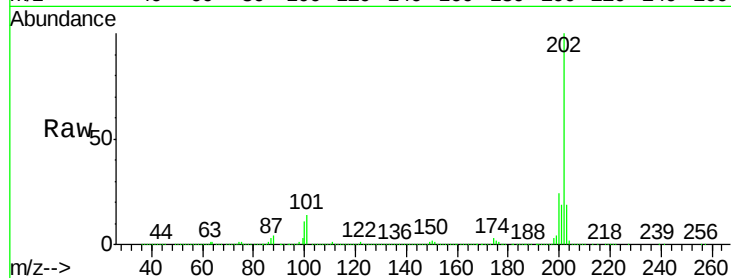
Tgt Ion:202 Resp: 3535577

Ion Ratio Lower Upper

202 100

200 23.9 17.8 26.6

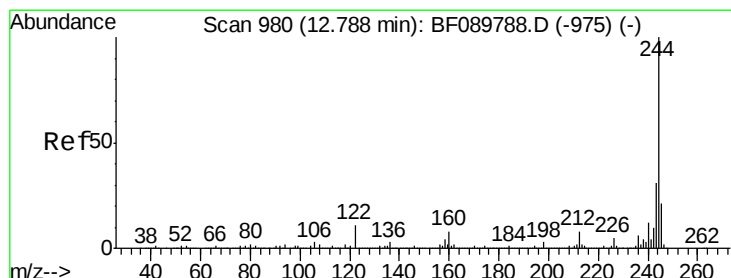
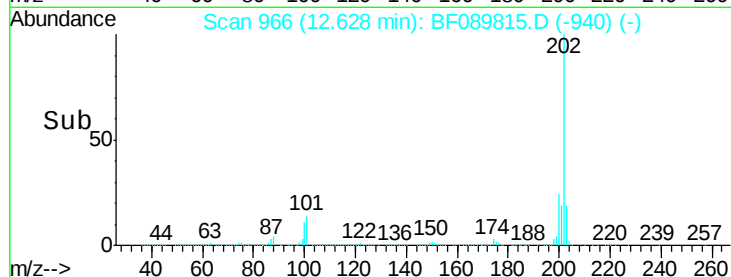
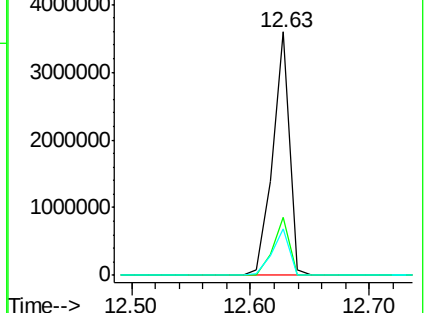
203 19.2 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 55.64 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

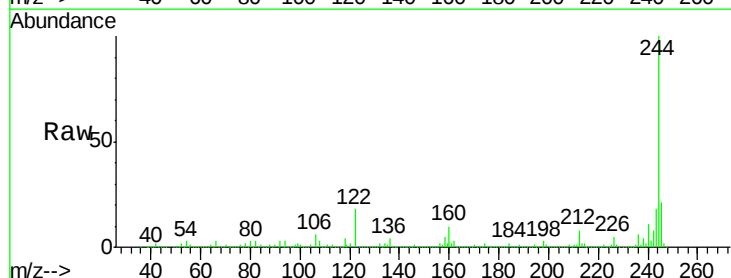
Tgt Ion:244 Resp: 2704015

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

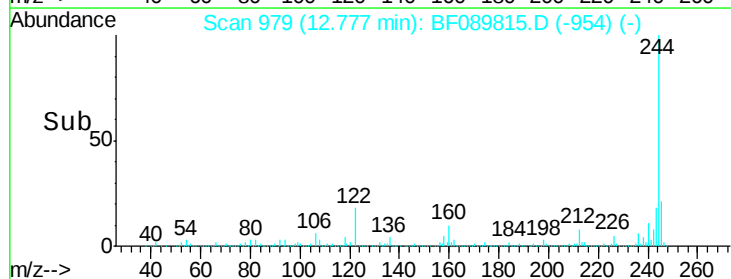
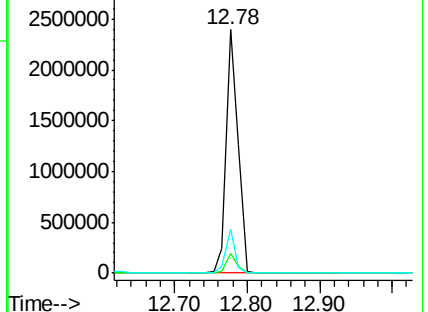
122 18.1 12.0 18.0#

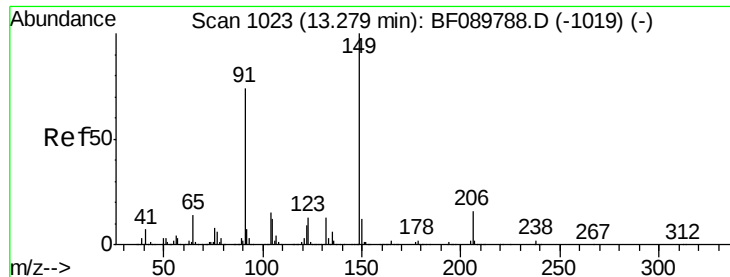


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 45.65 ng

RT: 13.27 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

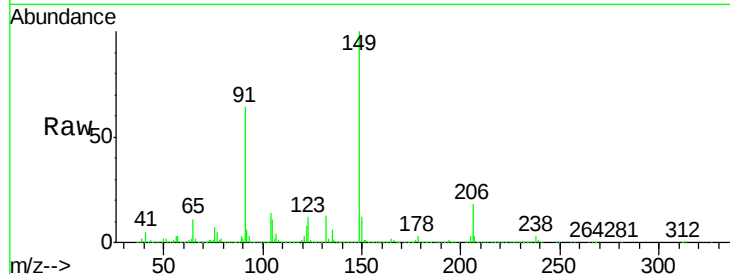
Tgt Ion:149 Resp: 1845748

Ion Ratio Lower Upper

149 100

91 64.1 50.7 76.1

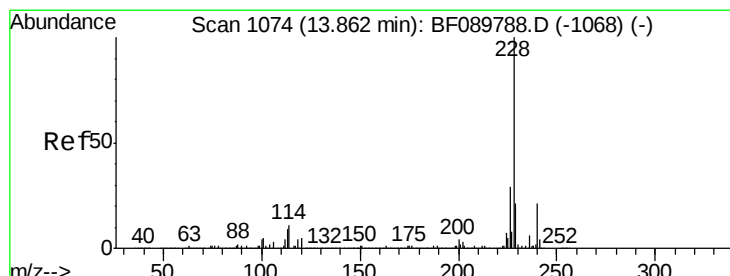
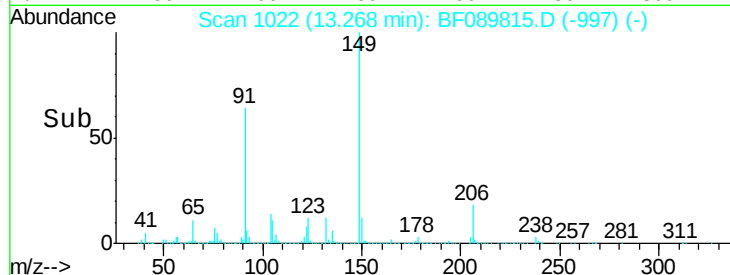
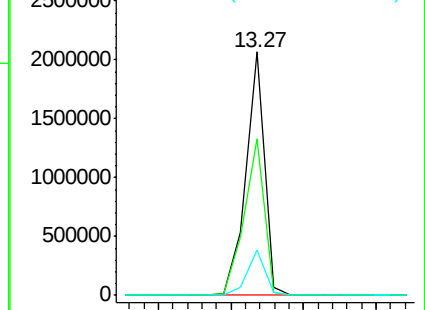
206 18.4 15.5 23.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.96 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.03 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

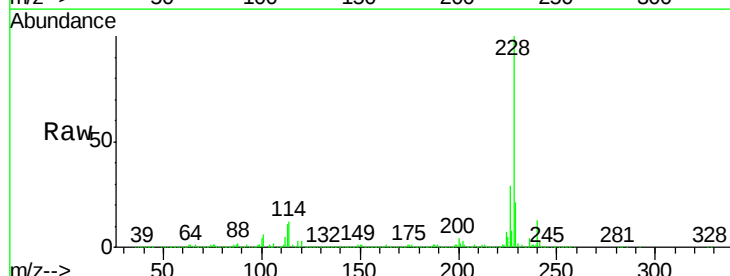
Tgt Ion:228 Resp: 2893541

Ion Ratio Lower Upper

228 100

226 29.2 23.2 34.8

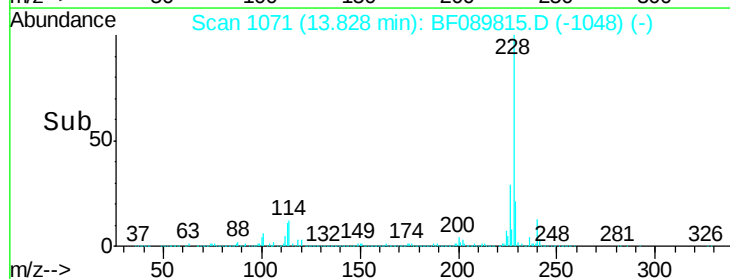
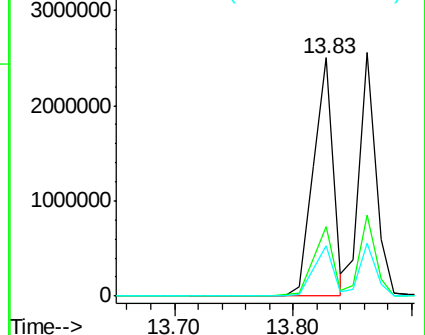
229 21.2 16.2 24.4

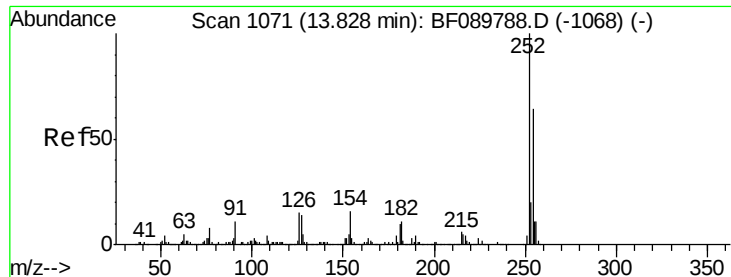


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

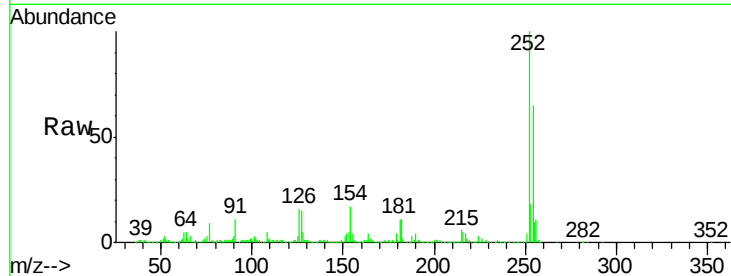




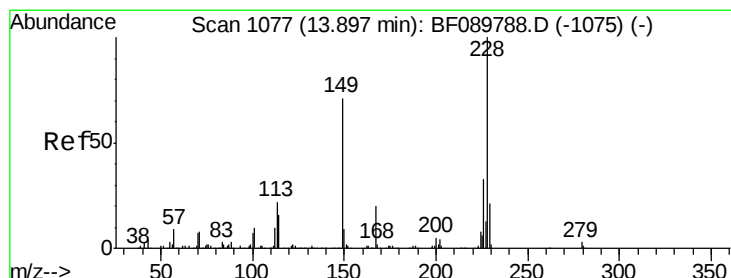
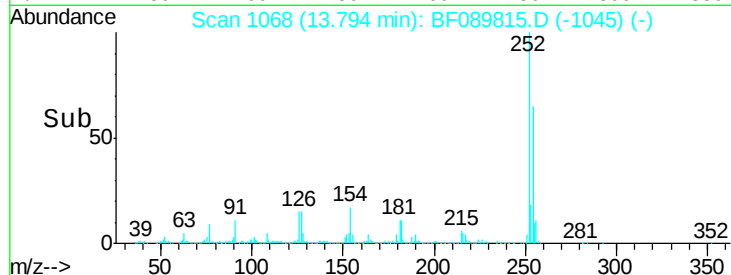
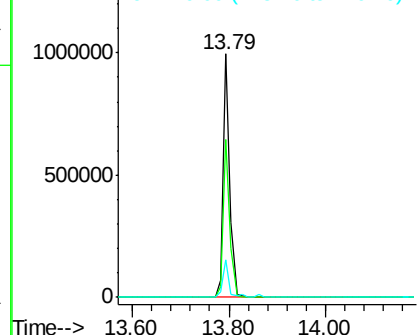
#81
 3,3'-Dichlorobenzidine
 Concen: 46.93 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.03 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:252 Resp: 968792
 Ion Ratio Lower Upper
 252 100
 254 64.7 50.6 75.8
 126 15.5 12.6 18.8

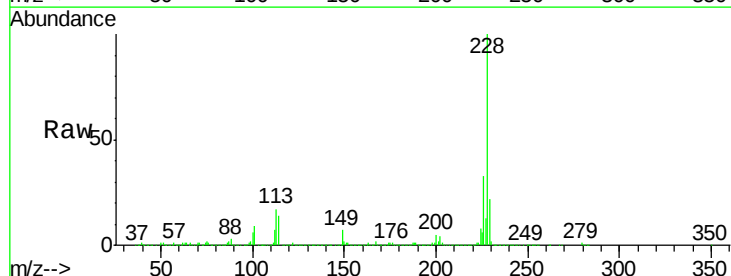


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

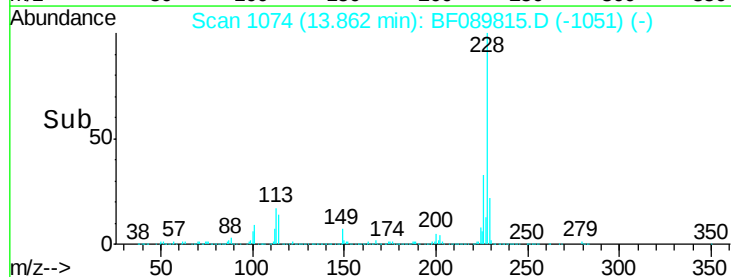
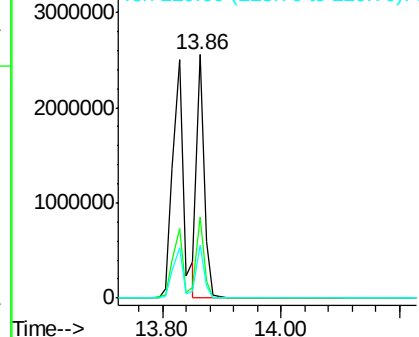


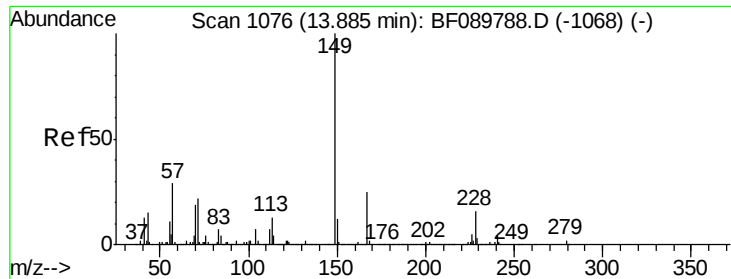
#82
 Chrysene
 Concen: 41.18 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.03 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:228 Resp: 2222628
 Ion Ratio Lower Upper
 228 100
 226 33.4 25.4 38.0
 229 21.6 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

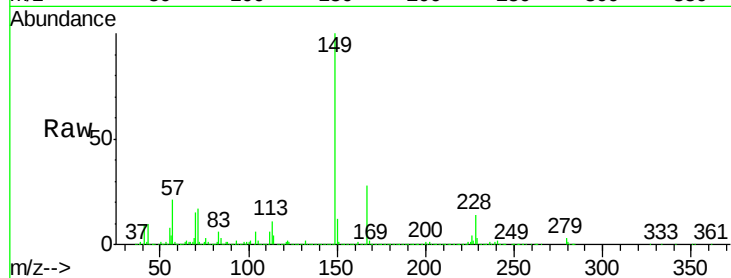




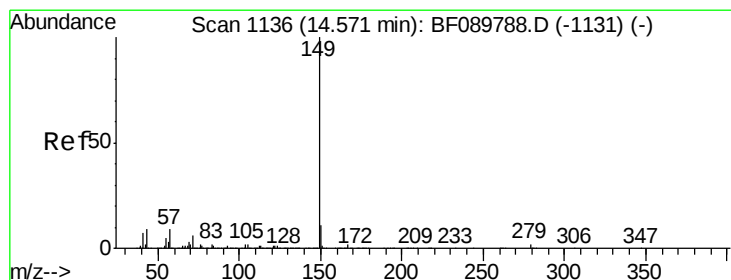
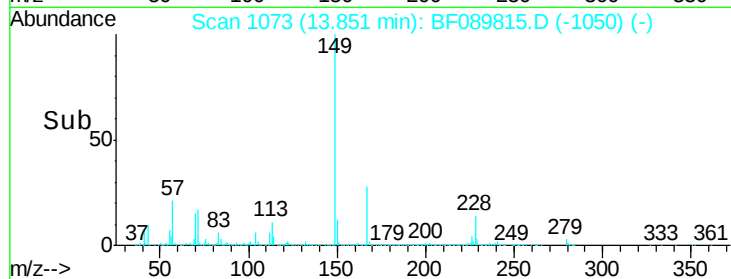
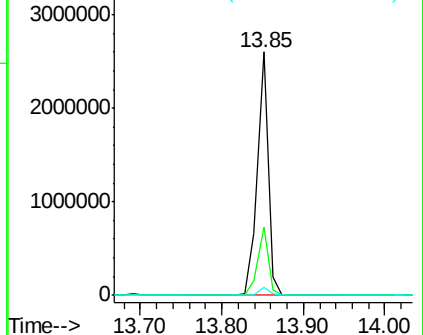
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.97 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. -0.03 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Instrument :
 BNA_F
 ClientSampleId :
 A-2(8-15)MS

Tgt Ion:149 Resp: 2393425
 Ion Ratio Lower Upper
 149 100
 167 27.9 21.2 31.8
 279 3.1 2.9 4.3

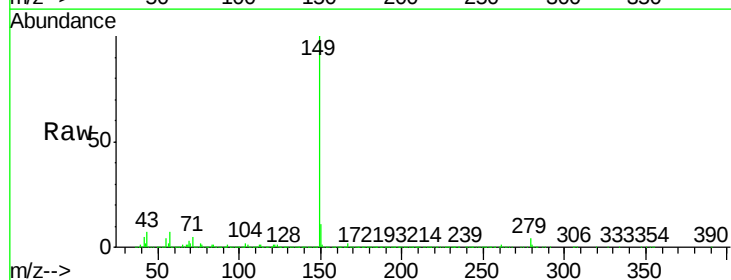


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

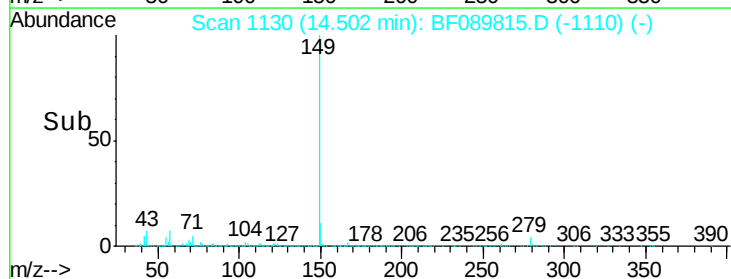
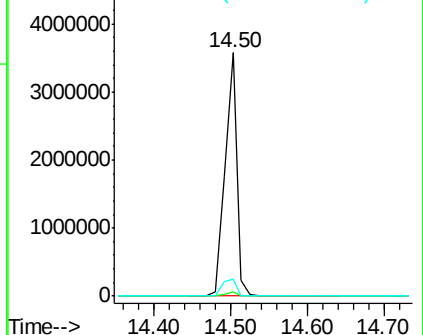


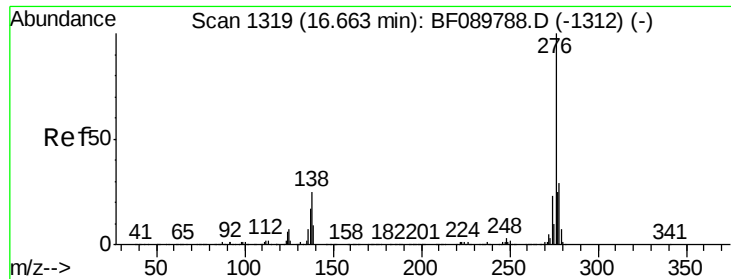
#84
 Di-n-octyl phthalate
 Concen: 52.45 ng
 RT: 14.50 min Scan# 1130
 Delta R.T. -0.07 min
 Lab File: BF089815.D
 Acq: 19 Aug 2016 23:59

Tgt Ion:149 Resp: 3881776
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.4 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 49.78 ng

RT: 16.56 min Scan# 1310

Delta R.T. -0.10 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

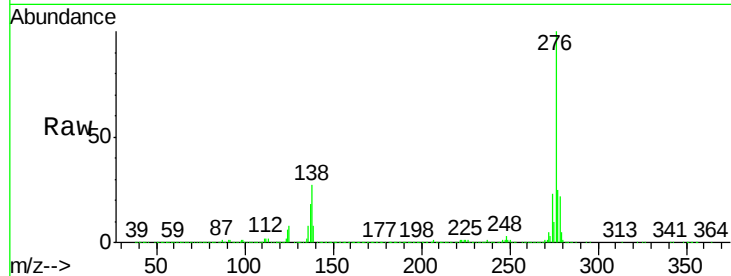
Tgt Ion:276 Resp: 3428418

Ion Ratio Lower Upper

276 100

138 30.7 24.6 36.8

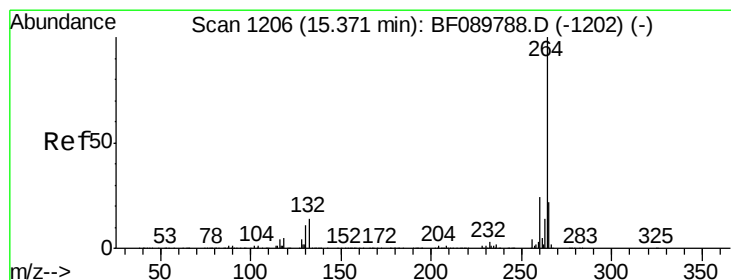
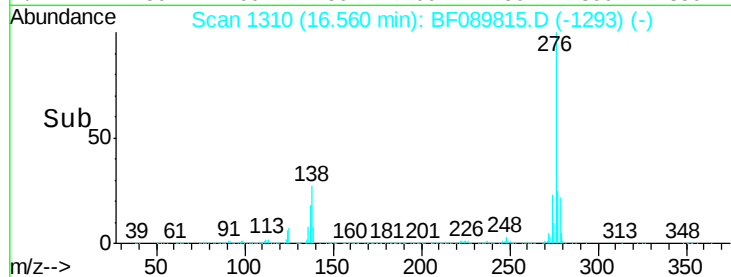
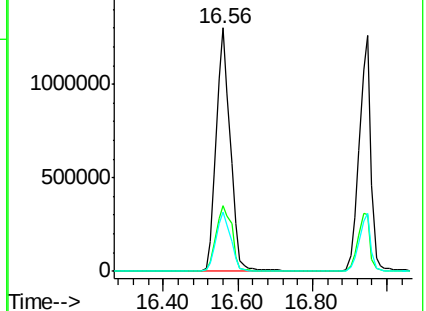
277 25.4 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.10 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

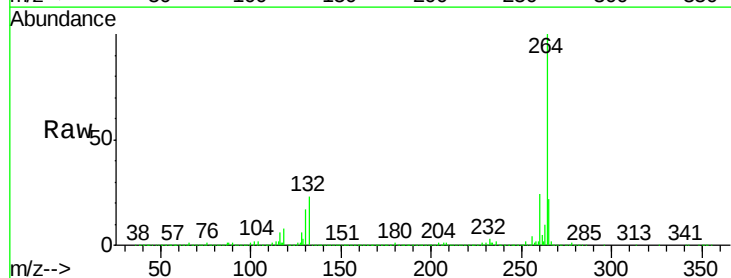
Tgt Ion:264 Resp: 1229799

Ion Ratio Lower Upper

264 100

260 24.2 20.2 30.2

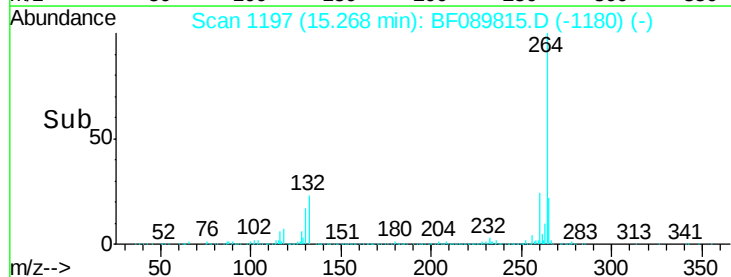
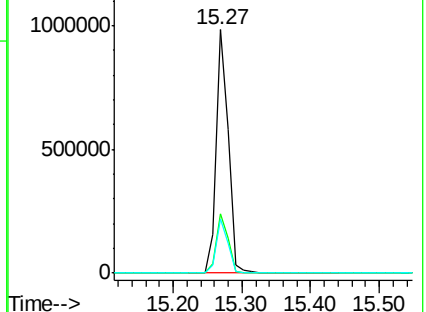
265 22.3 17.4 26.2

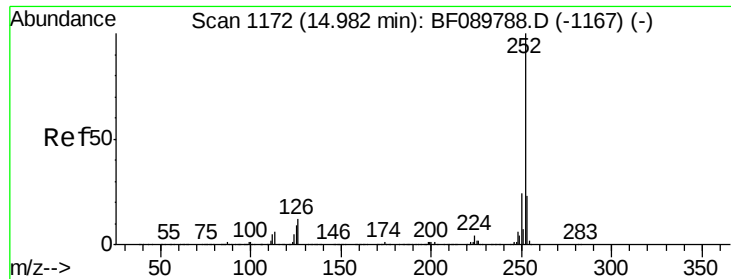


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

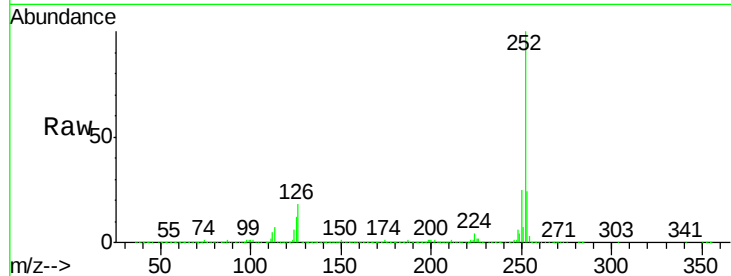




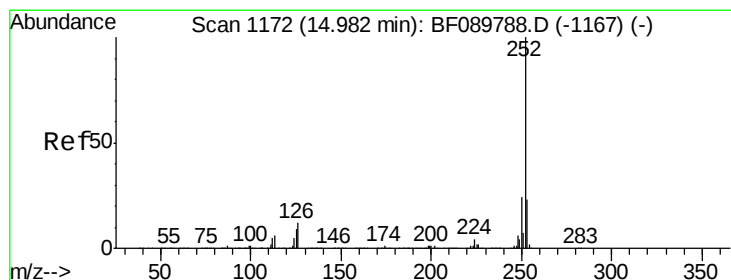
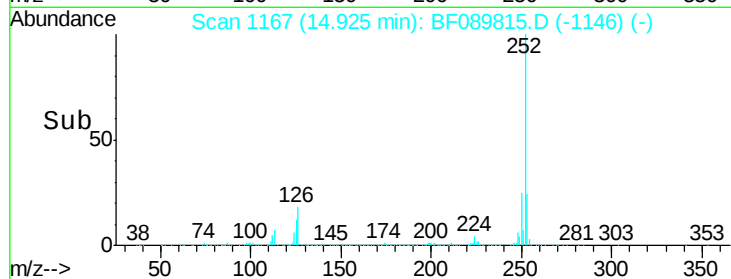
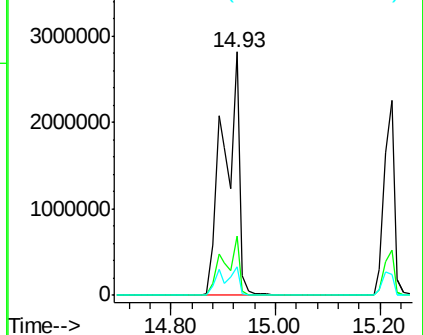
#87
Benzo(b)fluoranthene
Concen: 89.61 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.06 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

Tgt Ion:252 Resp: 6062544
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 12.0 11.4 17.2

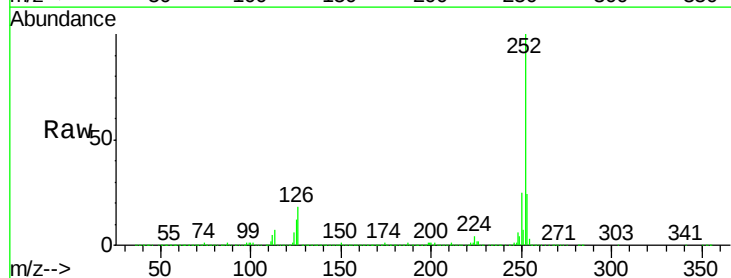


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

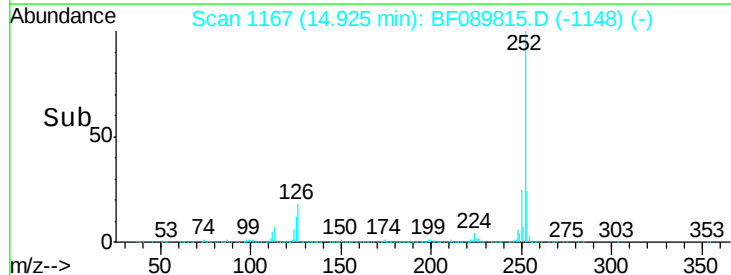
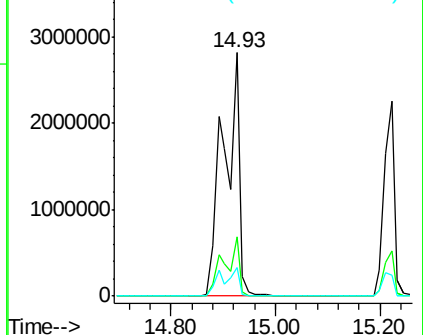


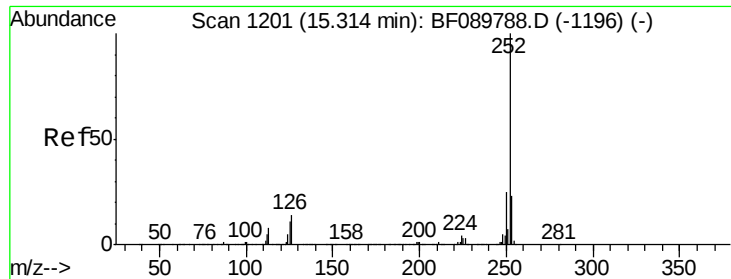
#88
Benzo(k)fluoranthene
Concen: 98.77 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:252 Resp: 6062544
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 12.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

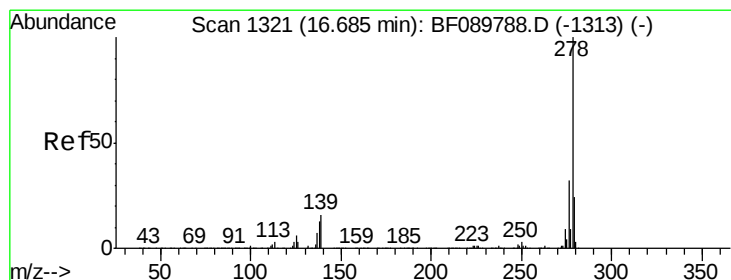
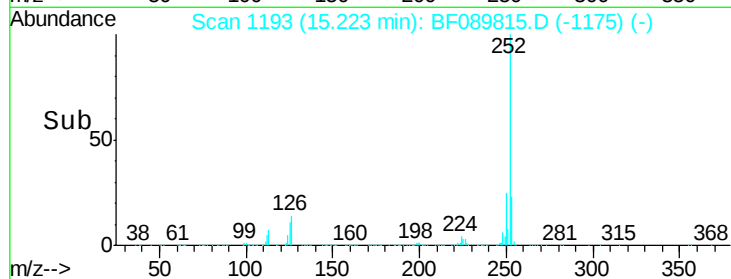
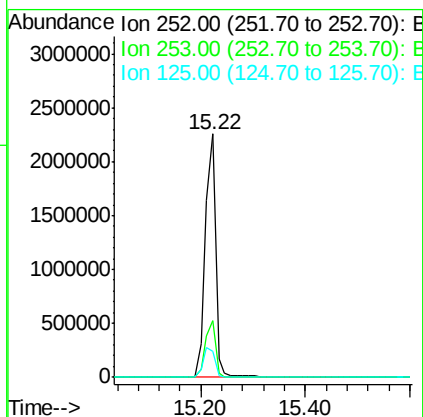
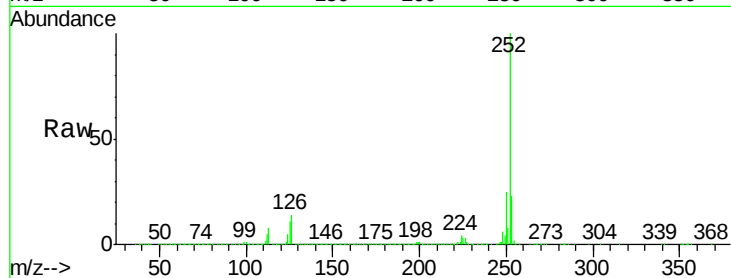




#89
Benzo(a)pyrene
Concen: 48.28 ng
RT: 15.22 min Scan# 1193
Delta R.T. -0.09 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

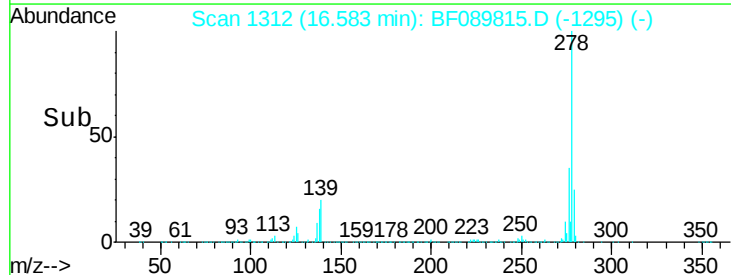
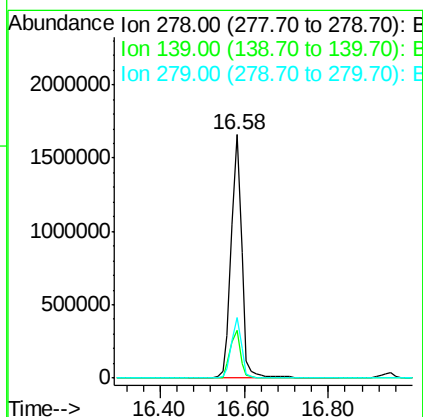
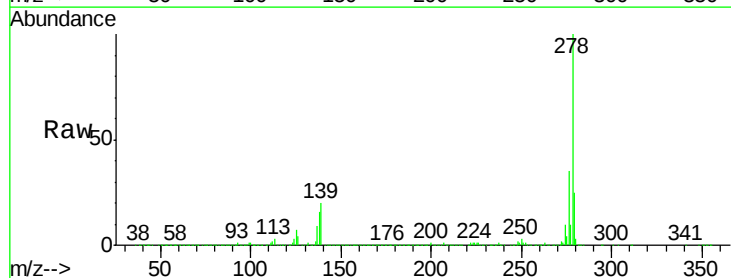
Instrument :
BNA_F
ClientSampleId :
A-2(8-15)MS

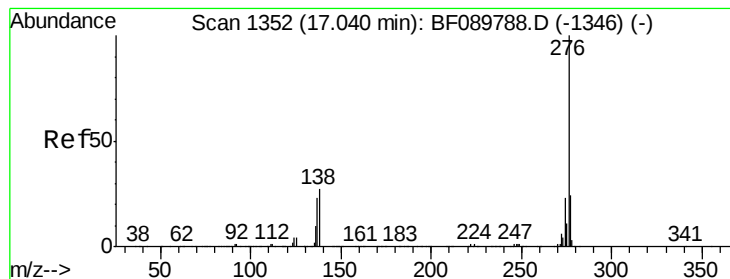
Tgt Ion:252 Resp: 3091848
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.8 11.7 17.5#



#90
Dibenzo(a,h)anthracene
Concen: 41.83 ng
RT: 16.58 min Scan# 1312
Delta R.T. -0.10 min
Lab File: BF089815.D
Acq: 19 Aug 2016 23:59

Tgt Ion:278 Resp: 2907592
Ion Ratio Lower Upper
278 100
139 19.9 14.9 22.3
279 25.1 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 37.32 ng

RT: 16.95 min Scan# 1344

Delta R.T. -0.09 min

Lab File: BF089815.D

Acq: 19 Aug 2016 23:59

Instrument :

BNA_F

ClientSampleId :

A-2(8-15)MS

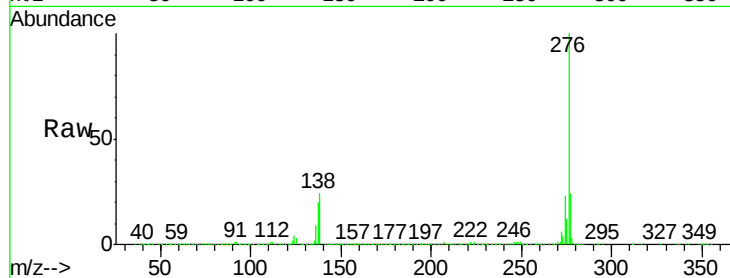
Tgt Ion:276 Resp: 2731569

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 24.2 22.1 33.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

