

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
 Data File : BF089116.D
 Acq On : 19 Jul 2016 14:13
 Operator : UM/SJ
 Sample : PB92230BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Quant Time: Jul 20 02:12:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:28:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	50837	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	196766	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	90162	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	155420	20.00	ng	0.00
75) Chrysene-d12	13.75	240	88679	20.00	ng	-0.01
86) Perylene-d12	15.11	264	89829	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	231149	68.14	ng	0.01
7) Phenol-d6	6.28	99	319557	72.91	ng	0.00
23) Nitrobenzene-d5	7.20	82	304190	81.01	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	50785	60.66	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	543472	95.21	ng	0.00
78) Terphenyl-d14	12.71	244	327689	82.30	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.17	88	45720	27.19	ng	# 17
3) Pyridine	2.79	79	137078	28.09	ng	96
4) n-Nitrosodimethylamine	2.75	42	60054	32.21	ng	99
6) Aniline	6.28	93	74408	11.65	ng	# 27
8) 2-Chlorophenol	6.41	128	134257	36.83	ng	97
9) Benzaldehyde	6.16	77	35098	11.82	ng	86
10) Phenol	6.30	94	184476	36.88	ng	87
11) bis(2-Chloroethyl)ether	6.36	93	130238	34.91	ng	89
12) 1,3-Dichlorobenzene	6.56	146	135845	33.86	ng	97
13) 1,4-Dichlorobenzene	6.64	146	142178	35.71	ng	97
14) 1,2-Dichlorobenzene	6.80	146	129747	34.81	ng	99
15) Benzyl Alcohol	6.78	79	114957	35.64	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.91	45	143446	26.55	ng	# 45
17) 2-Methylphenol	6.90	107	103535	34.81	ng	# 91
18) Hexachloroethane	7.13	117	48088	31.22	ng	# 83
19) n-Nitroso-di-n-propylamine	7.05	70	92393	31.38	ng	94
20) 3+4-Methylphenols	7.06	107	141536	39.65	ng	# 78
22) Acetophenone	7.04	105	195076	40.85	ng	# 93
24) Nitrobenzene	7.21	77	132718	35.06	ng	# 81
25) Isophorone	7.46	82	262351	37.72	ng	97
26) 2-Nitrophenol	7.53	139	66548	42.87	ng	95
27) 2,4-Dimethylphenol	7.59	122	125325	38.76	ng	89
28) bis(2-Chloroethoxy)methane	7.68	93	168373	37.20	ng	# 97
29) 2,4-Dichlorophenol	7.78	162	112306	42.98	ng	98
30) 1,2,4-Trichlorobenzene	7.86	180	117033	40.81	ng	97
31) Naphthalene	7.93	128	361736	37.29	ng	99
32) Benzoic acid	7.72	122	66359	28.27	ng	93
33) 4-Chloroaniline	7.99	127	44147	10.23	ng	98
34) Hexachlorobutadiene	8.06	225	65032	42.35	ng	98
35) Caprolactam	8.35	113	31198	35.15	ng	94
36) 4-Chloro-3-methylphenol	8.49	107	123447	39.95	ng	94
37) 2-Methylnaphthalene	8.63	142	257200	41.18	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	99700	33.25	ng	# 1
40) Hexachlorocyclopentadiene	8.78	237	22900	15.56	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	73066	36.95	ng	99
43) 2,4,5-Trichlorophenol	8.96	196	71558	42.06	ng	97
45) 1,1'-Biphenyl	9.08	154	266966	35.76	ng	98
46) 2-Chloronaphthalene	9.11	162	210481	35.91	ng	95
47) 2-Nitroaniline	9.21	65	74709	35.92	ng	97
48) Acenaphthylene	9.52	152	332432	35.65	ng	99
49) Dimethylphthalate	9.39	163	245052	38.15	ng	100
50) 2,6-Dinitrotoluene	9.46	165	56975	40.02	ng	# 90
51) Acenaphthene	9.69	154	201822	35.31	ng	99
52) 3-Nitroaniline	9.62	138	32689	18.06	ng	84
53) 2,4-Dinitrophenol	9.74	184	20873	33.21	ng	# 84
54) Dibenzofuran	9.86	168	286715	38.32	ng	# 86
55) 4-Nitrophenol	9.80	139	73828	53.68	ng	92
56) 2,4-Dinitrotoluene	9.86	165	80235	43.11	ng	# 61
57) Fluorene	10.20	166	241189	41.83	ng	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	50962	38.72	ng	# 47
59) Diethylphthalate	10.09	149	253416	39.31	ng	98
60) 4-Chlorophenyl-phenylether	10.20	204	111613	41.66	ng	89
61) 4-Nitroaniline	10.23	138	47592	27.33	ng	79
62) Azobenzene	10.35	77	282987	38.49	ng	89
64) 4,6-Dinitro-2-methylphenol	10.26	198	16483	19.83	ng	86
65) n-Nitrosodiphenylamine	10.32	169	194082	36.90	ng	99
66) 4-Bromophenyl-phenylether	10.68	248	59621	38.07	ng	# 78
67) Hexachlorobenzene	10.75	284	64081	36.96	ng	# 83
68) Atrazine	10.86	200	68498	41.79	ng	94
69) Pentachlorophenol	10.95	266	48227	47.00	ng	98
70) Phenanthrene	11.15	178	295470	34.78	ng	99
71) Anthracene	11.21	178	347720	41.16	ng	98
72) Carbazole	11.37	167	290639	36.55	ng	98
73) Di-n-butylphthalate	11.71	149	385411	41.67	ng	97
74) Fluoranthene	12.33	202	269338	31.27	ng	97
76) Benzidine	12.47	184	129190	28.82	ng	97
77) Pyrene	12.56	202	272808	36.28	ng	99
79) Butylbenzylphthalate	13.19	149	127621	38.05	ng	# 75
80) Benzo(a)anthracene	13.75	228	220674	38.65	ng	98
81) 3,3'-Dichlorobenzidine	13.71	252	72113	33.59	ng	# 97
82) Chrysene	13.78	228	214240	37.92	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	180617	47.17	ng	# 99
84) Di-n-octyl phthalate	14.37	149	307645	47.29	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.35	276	177162	40.76	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	401303	71.22	ng	# 97
88) Benzo(k)fluoranthene	14.77	252	401303	81.81	ng	98
89) Benzo(a)pyrene	15.05	252	186098	39.01	ng	98
90) Dibenzo(a,h)anthracene	16.35	278	151742	38.09	ng	97
91) Benzo(g,h,i)perylene	16.72	276	135502	32.87	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

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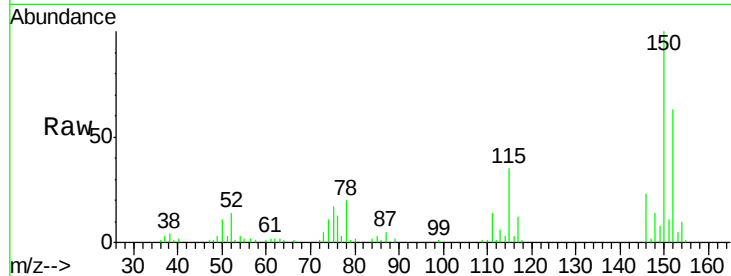
Tgt Ion:152 Resp: 50837

Ion Ratio Lower Upper

152 100

150 157.5 123.8 185.6

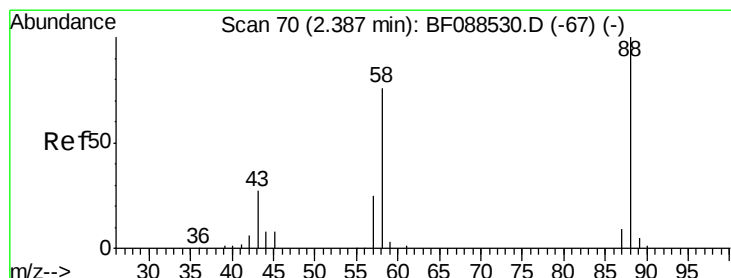
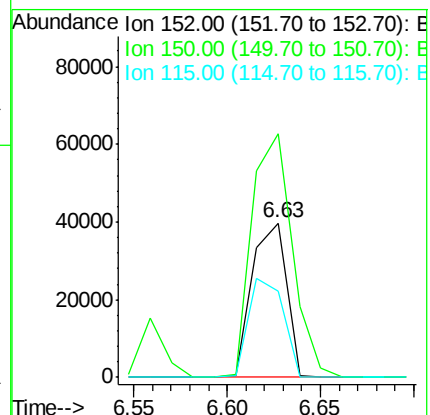
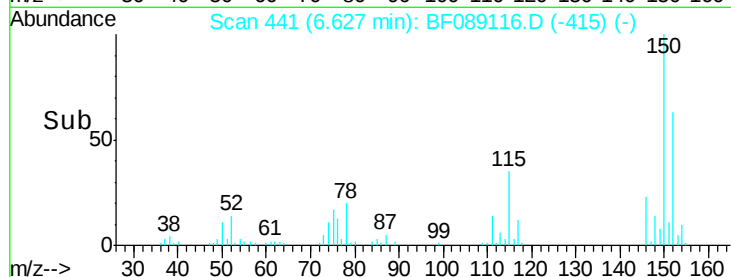
115 55.8 39.6 59.4



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: 27.19 ng

RT: 2.17 min Scan# 51

Delta R.T. 0.10 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

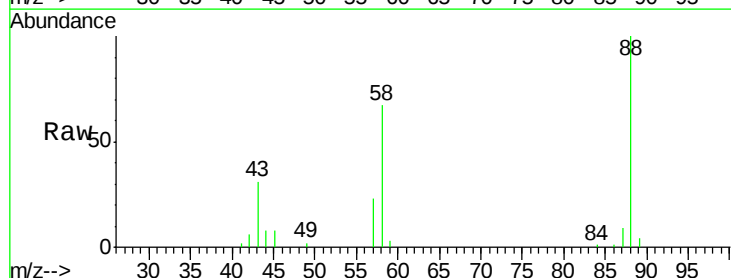
Tgt Ion: 88 Resp: 45720

Ion Ratio Lower Upper

88 100

58 71.8 0.0 0.0#

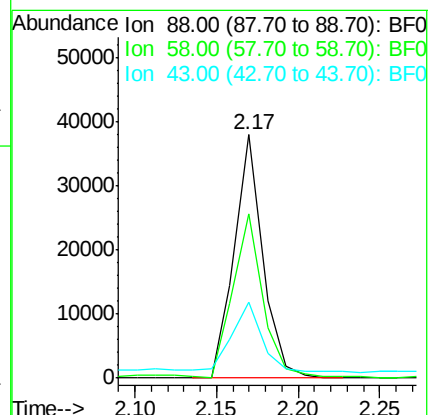
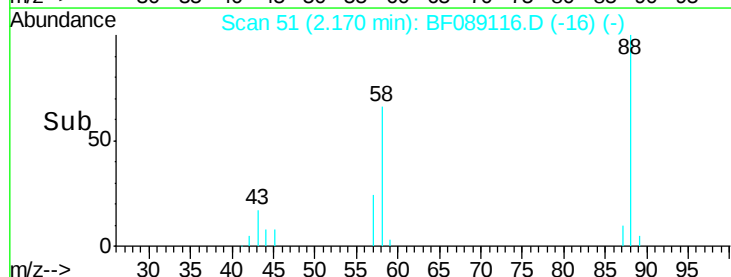
43 31.5 3.4 5.2#



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: 28.09 ng

RT: 2.79 min Scan# 105

Delta R.T. 0.09 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

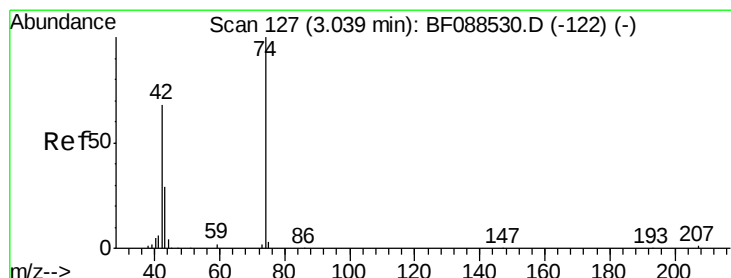
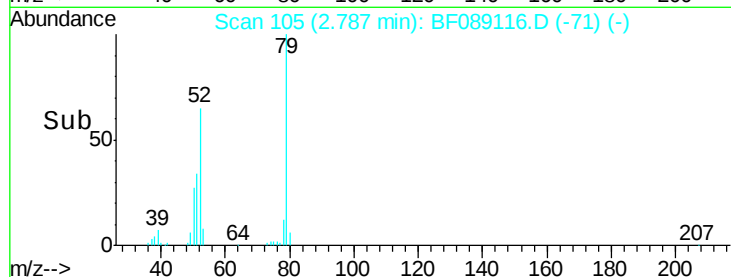
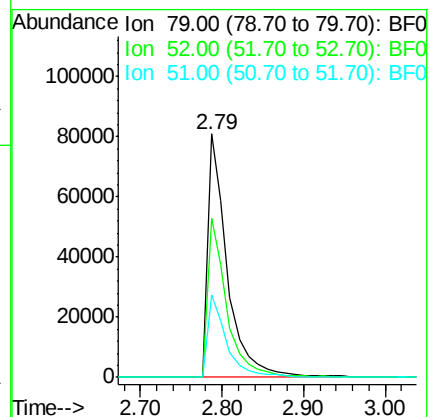
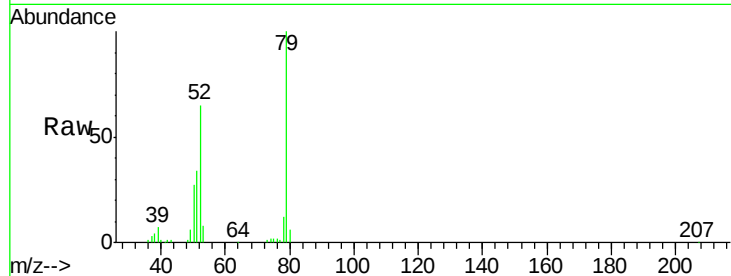
Tgt Ion: 79 Resp: 137078

Ion Ratio Lower Upper

79 100

52 65.4 56.3 84.5

51 33.6 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 32.21 ng

RT: 2.75 min Scan# 102

Delta R.T. 0.09 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

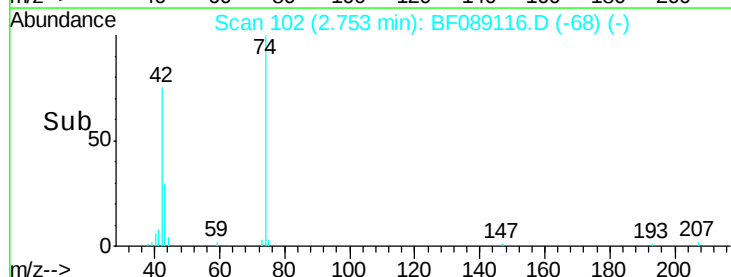
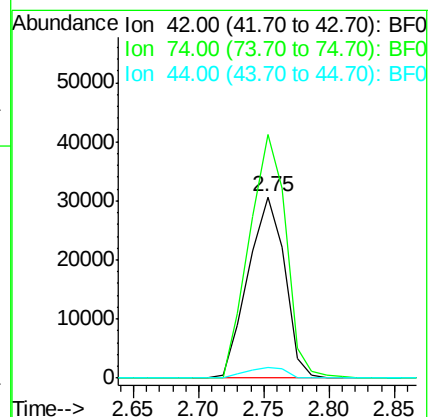
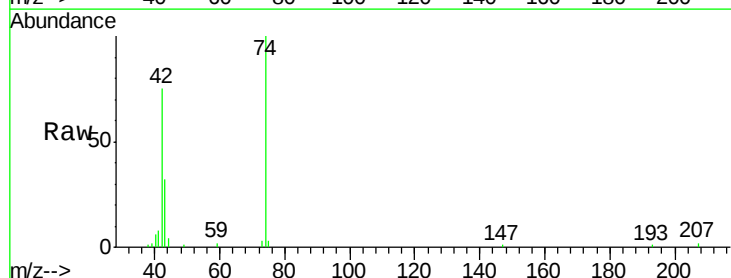
Tgt Ion: 42 Resp: 60054

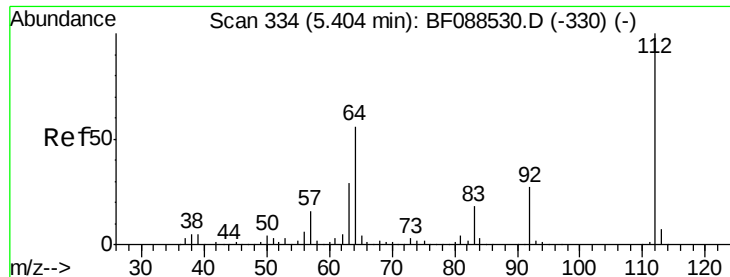
Ion Ratio Lower Upper

42 100

74 134.2 108.6 163.0

44 5.8 5.5 8.3

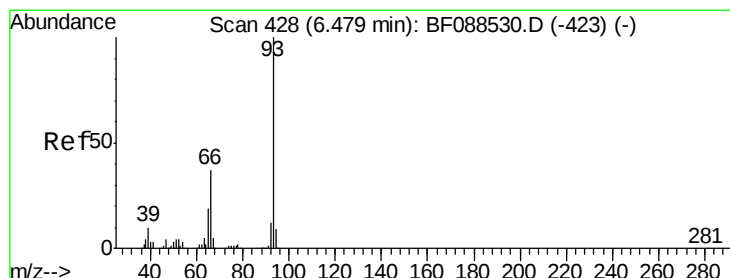
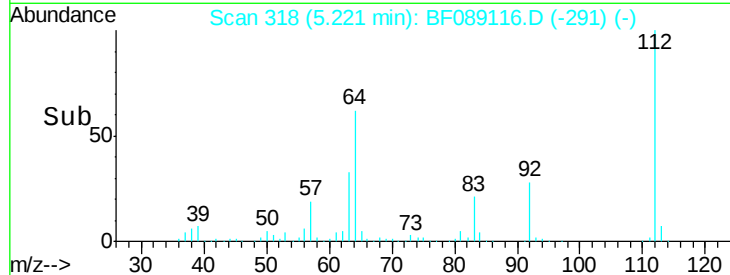
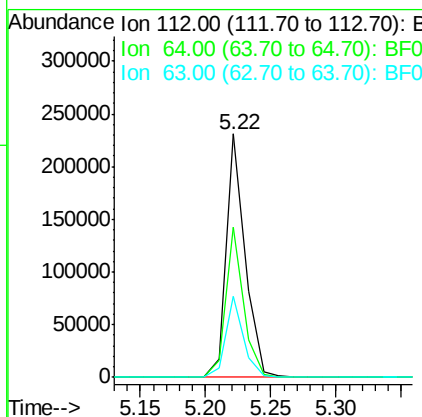
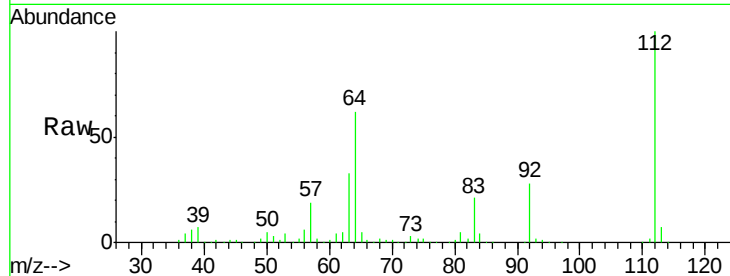




#5
 2-Fluorophenol
 Concen: 68.14 ng
 RT: 5.22 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

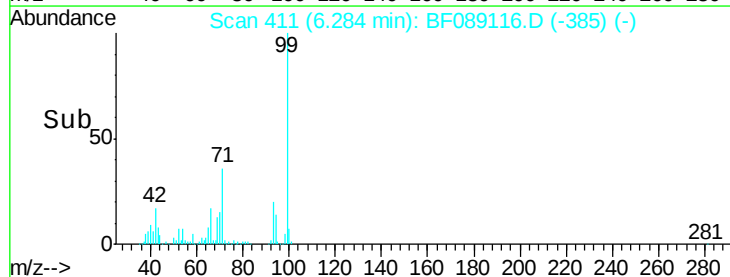
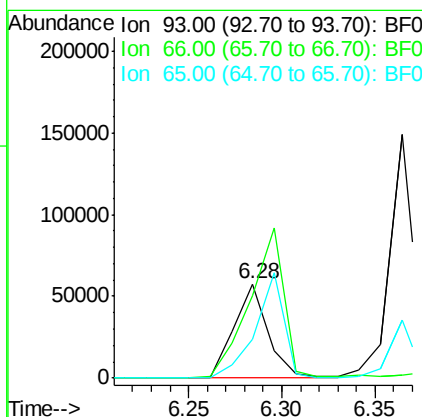
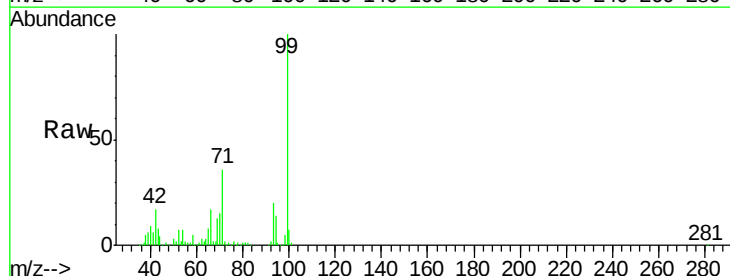
Instrument :
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Tgt Ion:	112	Resp:	231149
Ion Ratio	Lower	Upper	
112	100		
64	61.9	42.2	63.2
63	33.2	21.8	32.8#



#6
 Aniline
 Concen: 11.65 ng
 RT: 6.28 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:	93	Resp:	74408
Ion Ratio	Lower	Upper	
93	100		
66	87.7	29.8	44.8#
65	41.7	14.9	22.3#





#7

Phenol-d6

Concen: 72.91 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

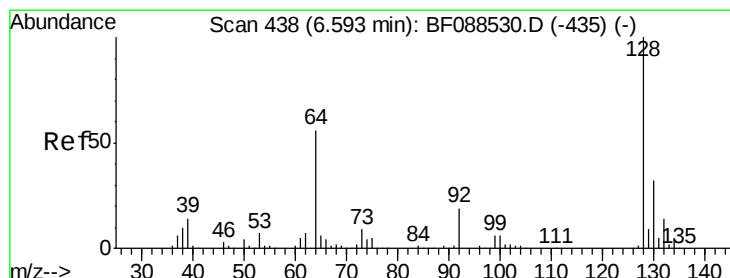
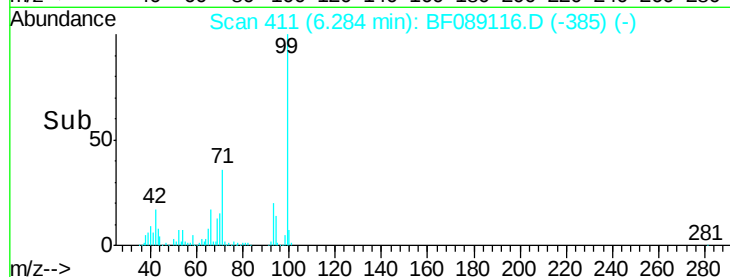
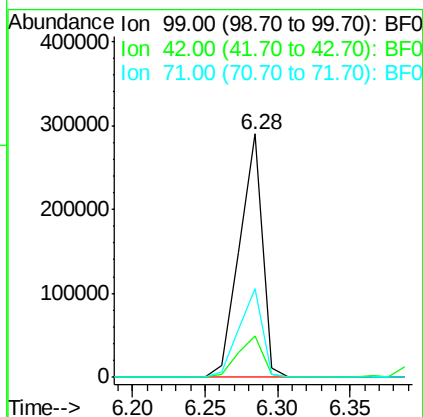
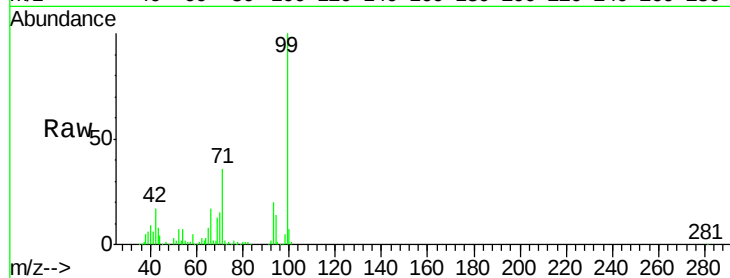
Tgt Ion: 99 Resp: 319557

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

71 36.4 23.4 35.0#



#8

2-Chlorophenol

Concen: 36.83 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

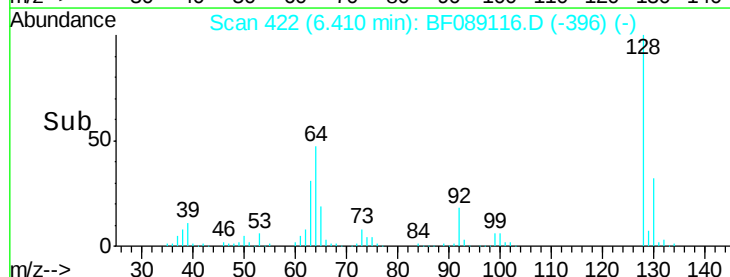
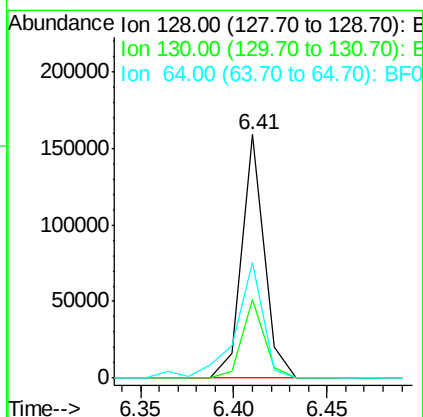
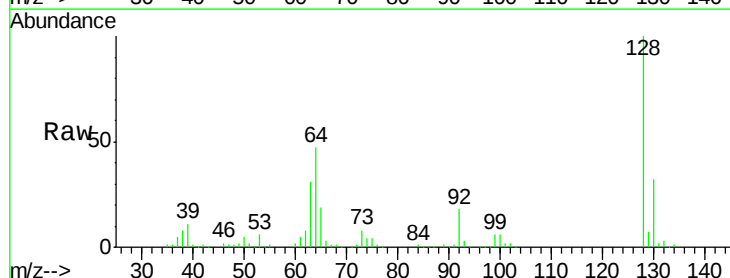
Tgt Ion: 128 Resp: 134257

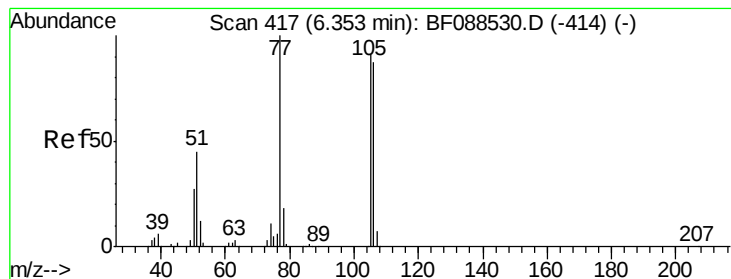
Ion Ratio Lower Upper

128 100

130 32.2 12.0 52.0

64 47.4 30.8 70.8





#9

Benzaldehyde

Concen: 11.82 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

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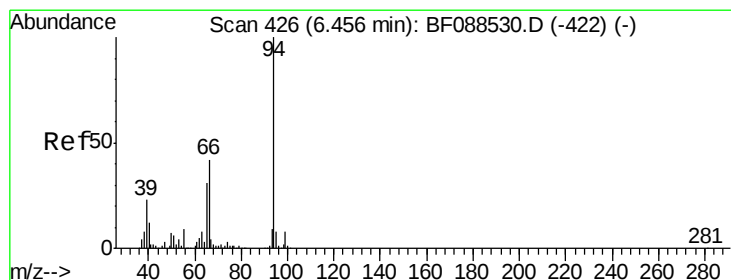
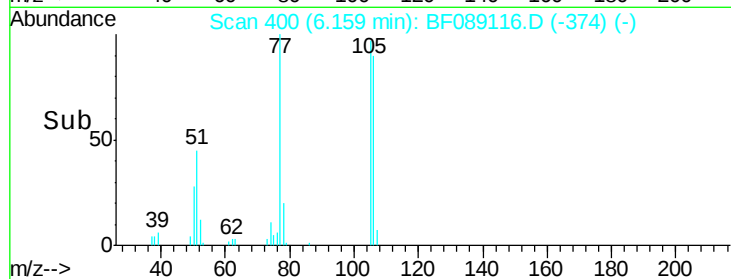
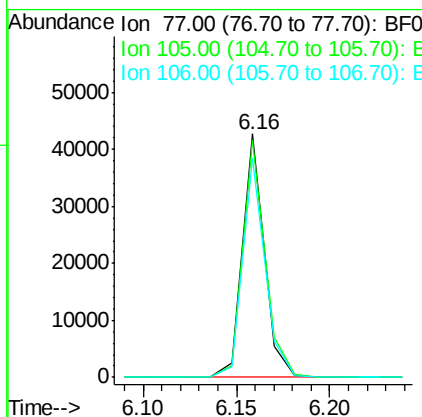
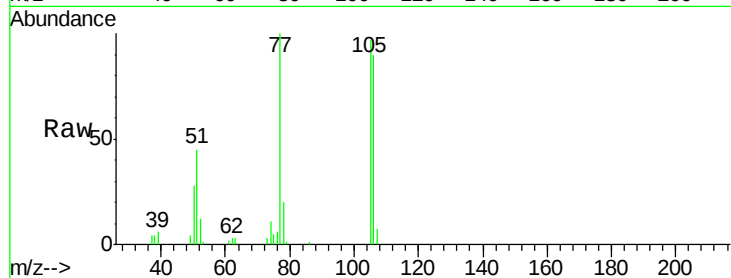
Tgt Ion: 77 Resp: 35098

Ion Ratio Lower Upper

77 100

105 97.4 90.6 130.6

106 90.1 85.3 125.3



#10

Phenol

Concen: 36.88 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

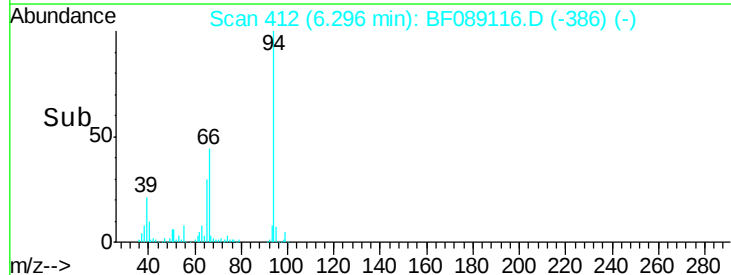
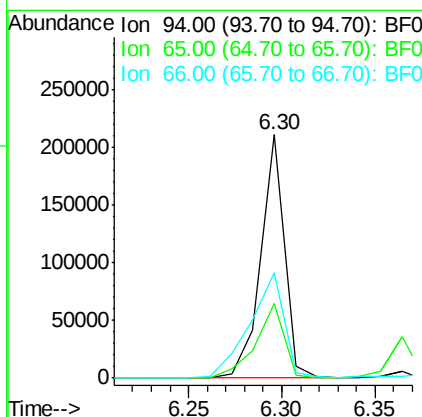
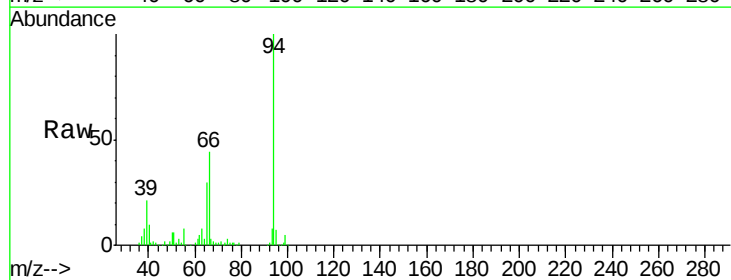
Tgt Ion: 94 Resp: 184476

Ion Ratio Lower Upper

94 100

65 30.4 5.9 45.9

66 43.5 14.0 54.0

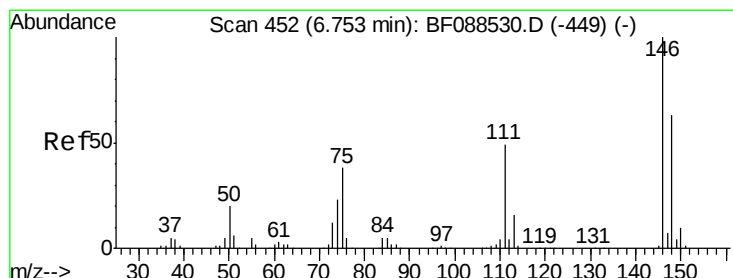
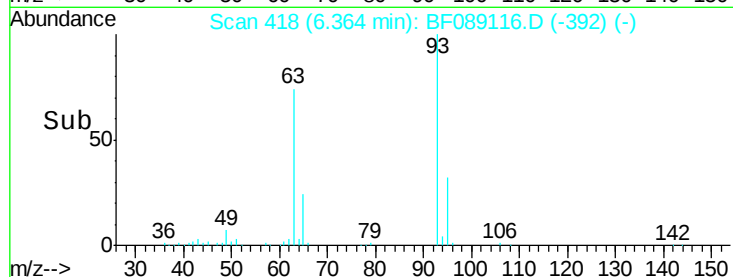
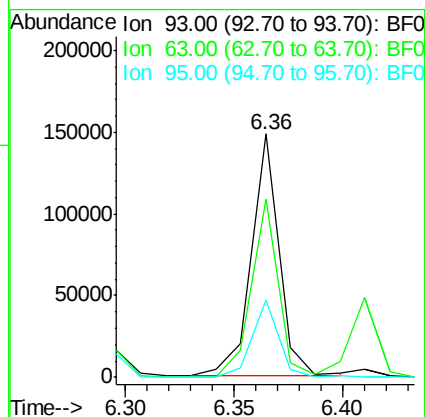
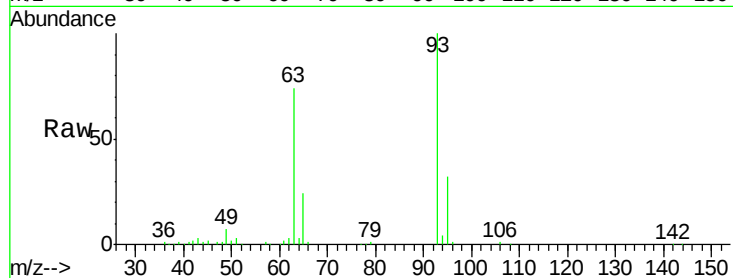




#11
bis(2-Chloroethyl)ether
Concen: 34.91 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

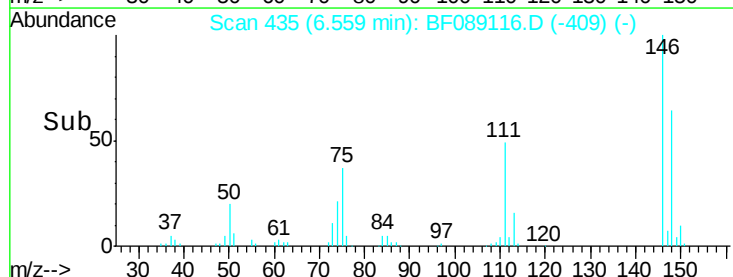
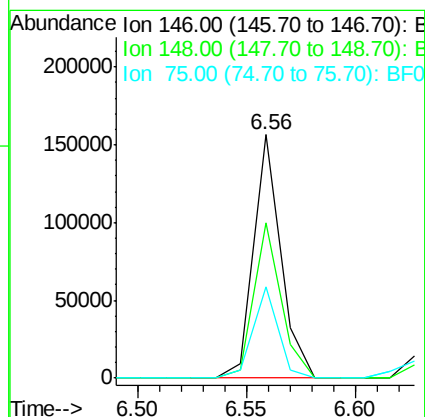
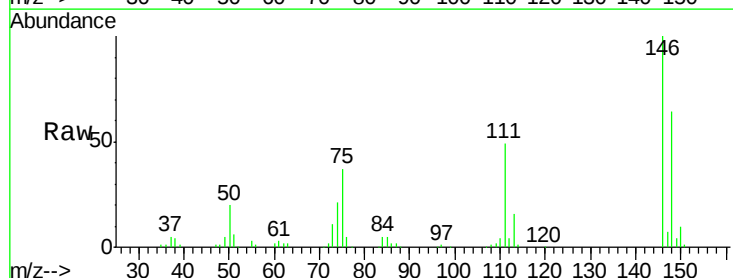
Instrument :
BNA_F
ClientSampleId :
PB92230BS

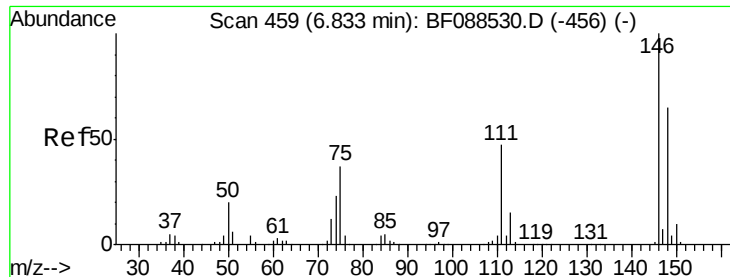
Tgt Ion: 93 Resp: 130238
Ion Ratio Lower Upper
93 100
63 73.5 67.6 107.6
95 31.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 33.86 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion: 146 Resp: 135845
Ion Ratio Lower Upper
146 100
148 63.7 50.9 76.3
75 37.4 25.6 38.4

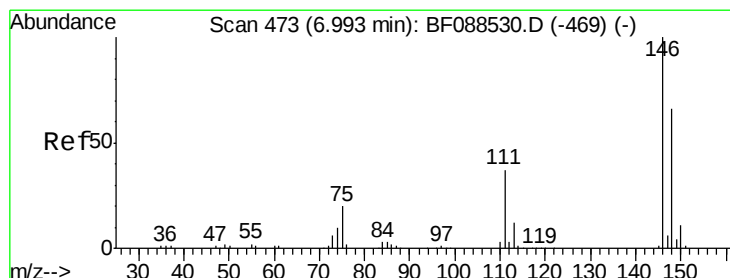
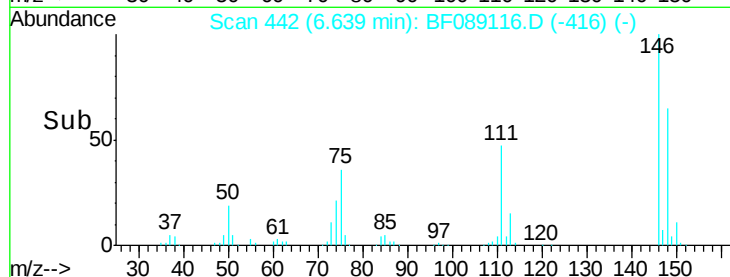
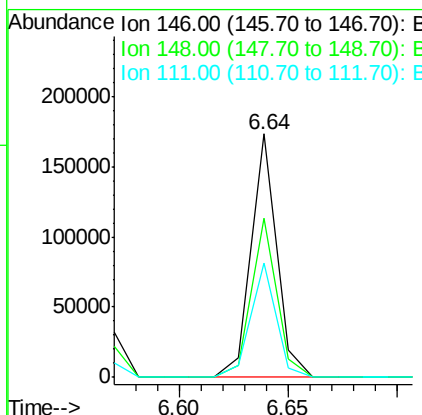
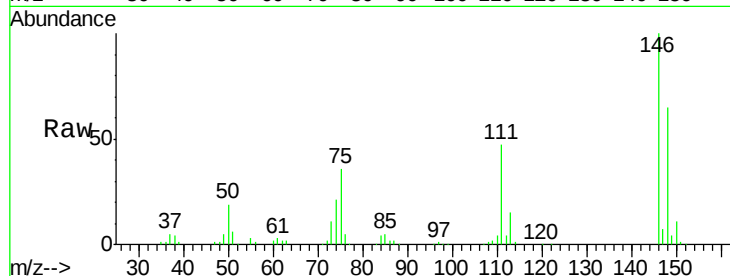




#13
 1,4-Dichlorobenzene
 Concen: 35.71 ng
 RT: 6.64 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

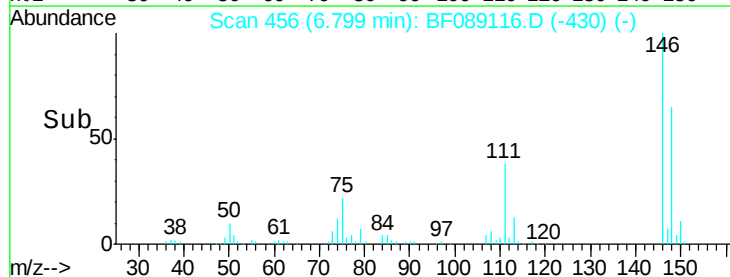
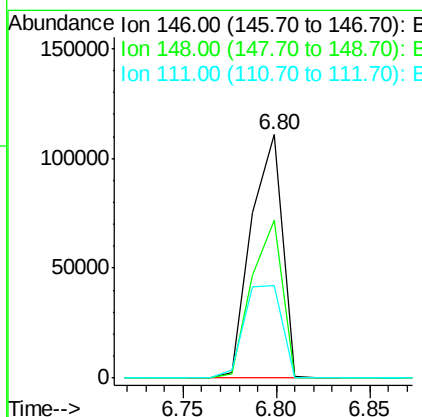
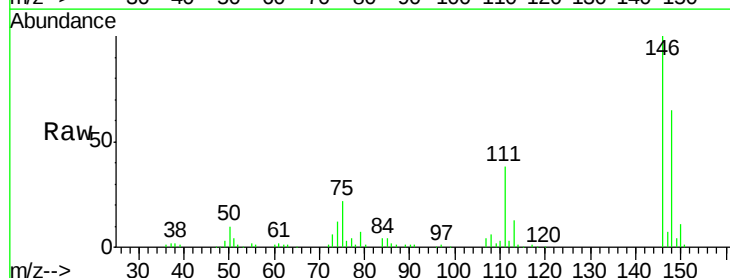
Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion:146 Resp: 142178
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.0 78.0
 111 47.1 33.8 50.8



#14
 1,2-Dichlorobenzene
 Concen: 34.81 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:146 Resp: 129747
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.3 78.5
 111 37.8 28.7 43.1





#15

Benzyl Alcohol

Concen: 35.64 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

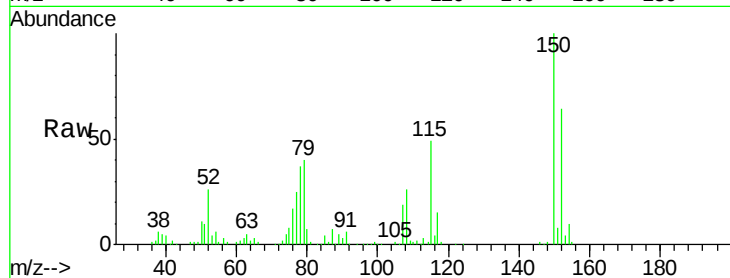
Tgt Ion: 79 Resp: 114957

Ion Ratio Lower Upper

79 100

108 65.9 65.0 97.6

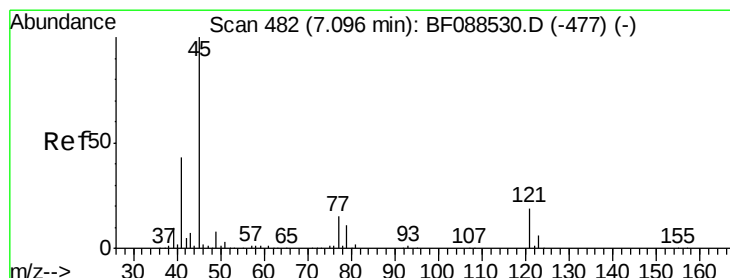
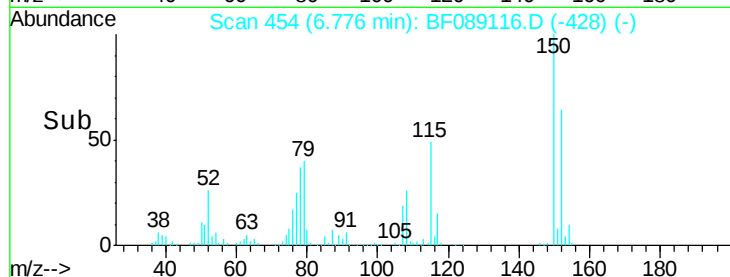
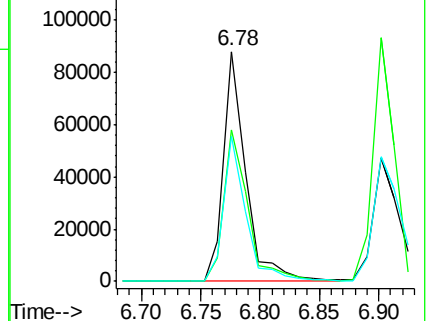
77 63.0 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 26.55 ng

RT: 6.91 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

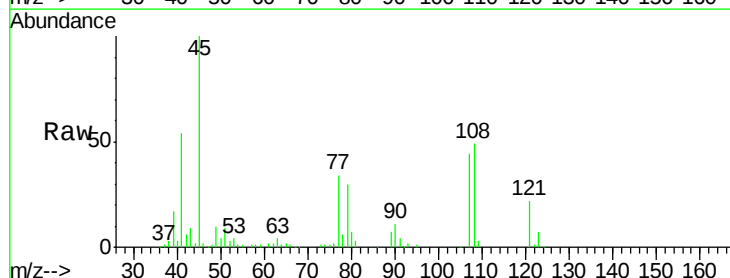
Tgt Ion: 45 Resp: 143446

Ion Ratio Lower Upper

45 100

77 33.5 0.0 32.5#

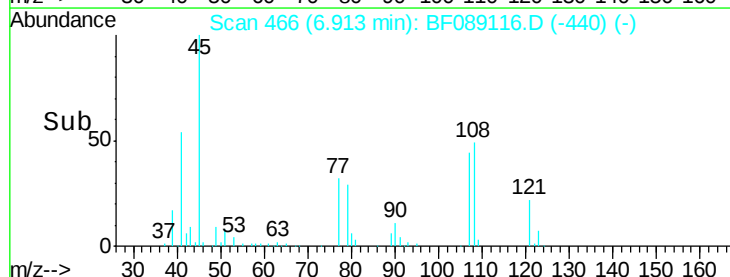
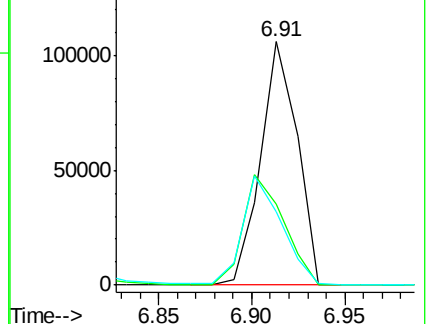
79 30.2 0.0 29.5#

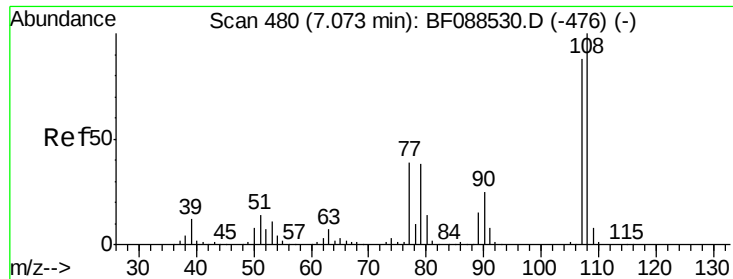


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

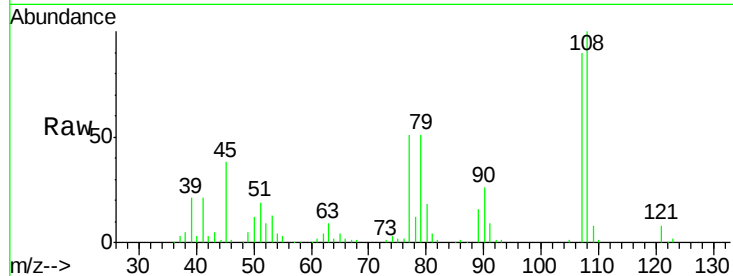




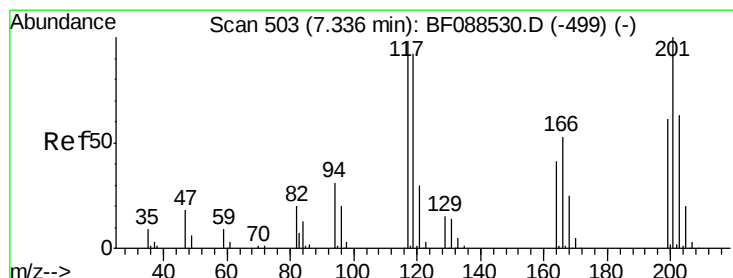
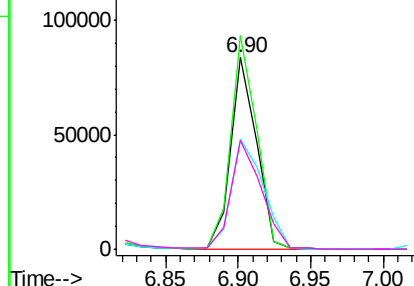
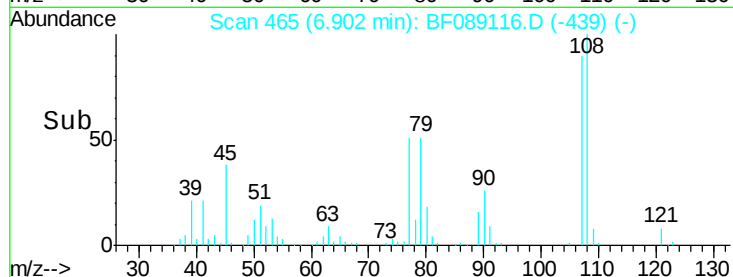
#17
2-Methylphenol
Concen: 34.81 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.5	90.9	136.3
77	57.4	36.6	55.0#
79	56.7	36.5	54.7#

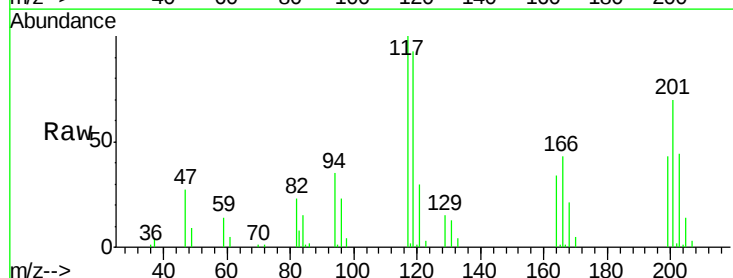


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

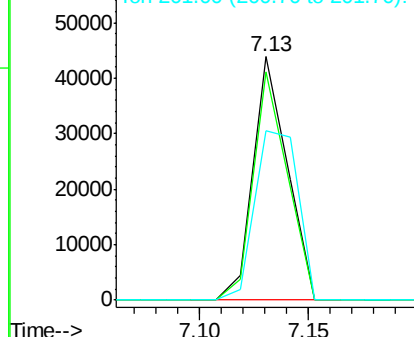
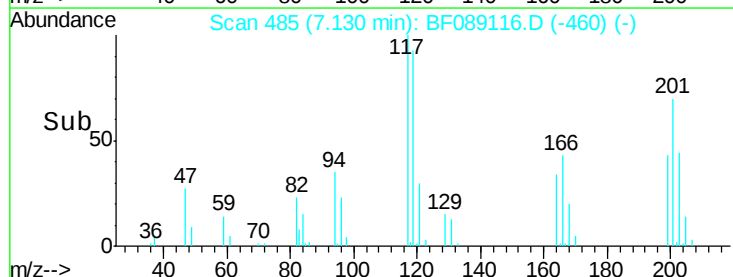


#18
Hexachloroethane
Concen: 31.22 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.4	116.2
201	69.8	80.4	120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

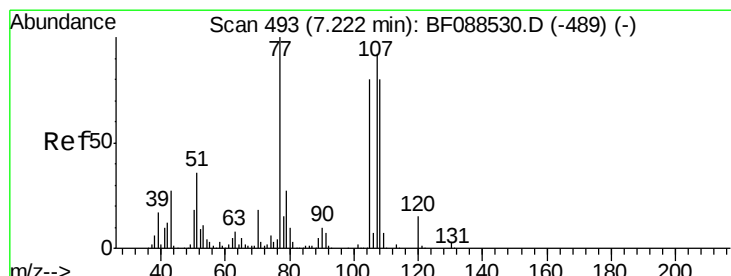
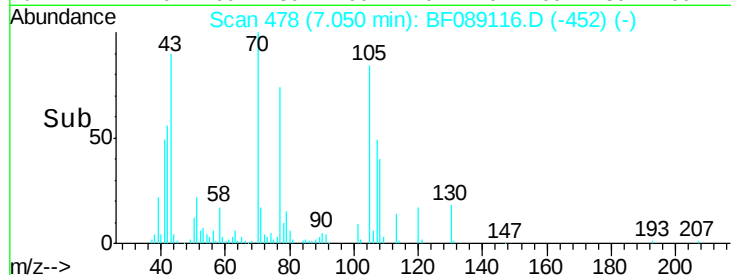
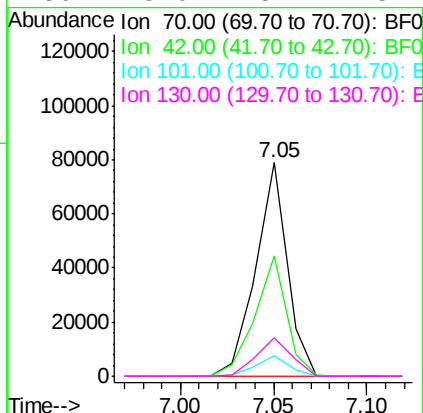
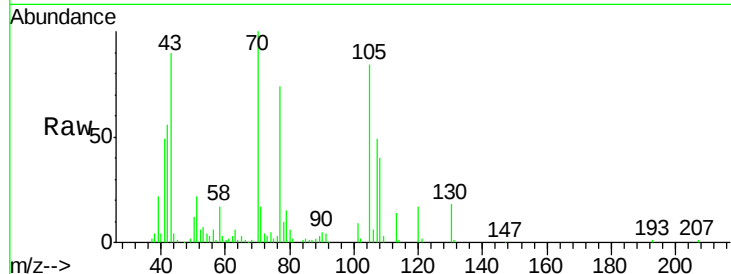




#19
n-Nitroso-di-n-propylamine
Concen: 31.38 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

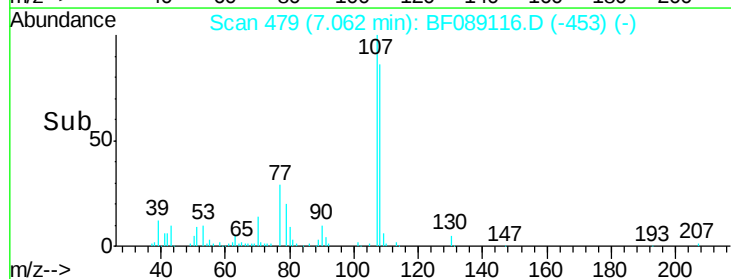
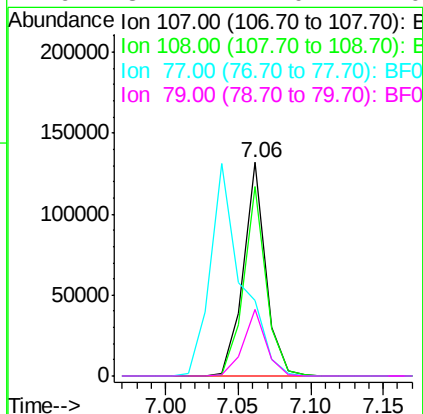
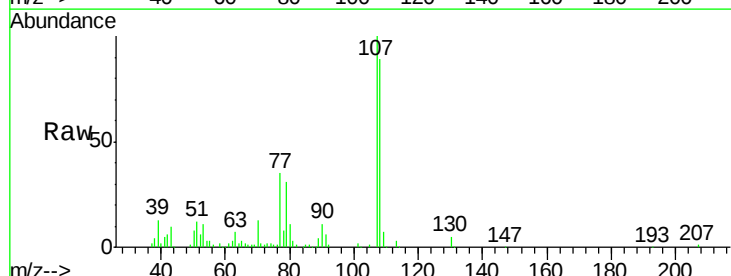
Instrument :
BNA_F
ClientSampleId :
PB92230BS

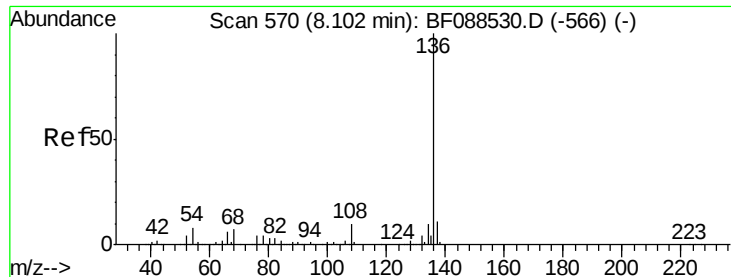
Tgt Ion: 70 Resp: 92393
Ion Ratio Lower Upper
70 100
42 56.5 49.6 74.4
101 9.4 7.1 10.7
130 18.0 15.4 23.2



#20
3+4-Methylphenols
Concen: 39.65 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion: 107 Resp: 141536
Ion Ratio Lower Upper
107 100
108 88.7 67.8 107.8
77 35.4 59.3 99.3#
79 31.2 7.0 47.0

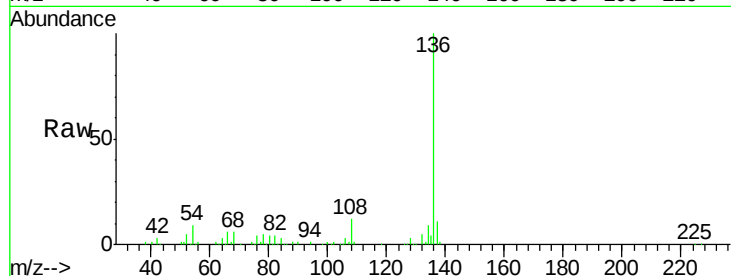




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:	136	Resp:	196766
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.7	6.6	10.0
68	6.4	5.1	7.7



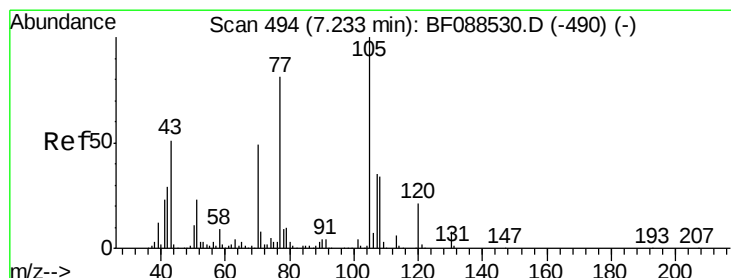
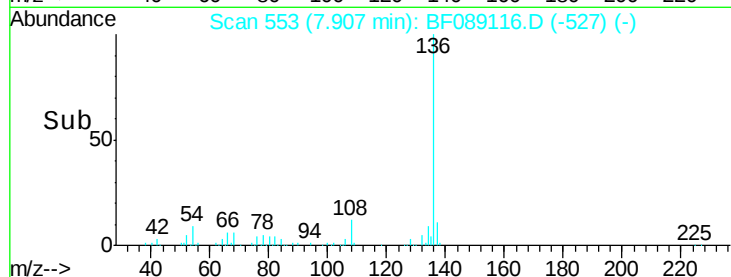
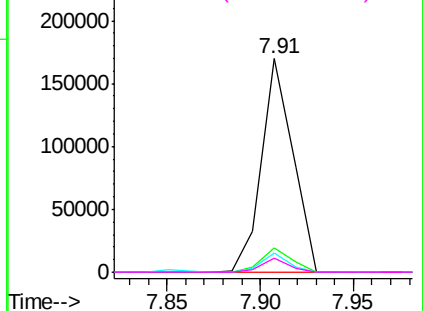
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

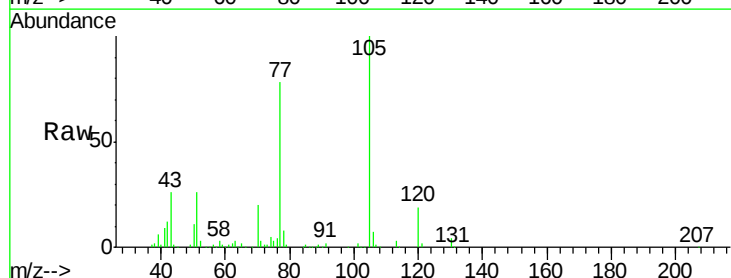
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 40.85 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:	105	Resp:	195076
Ion	Ratio	Lower	Upper
105	100		
71	3.2	5.3	7.9#
51	25.6	18.2	27.4
120	18.6	18.0	27.0



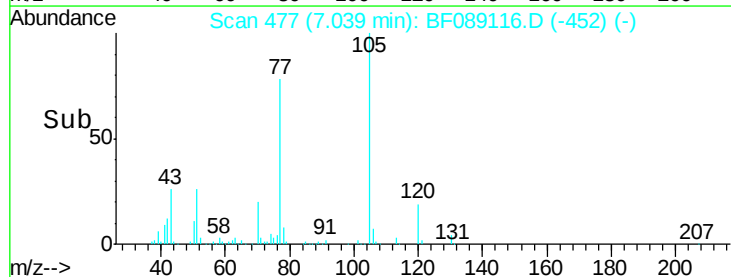
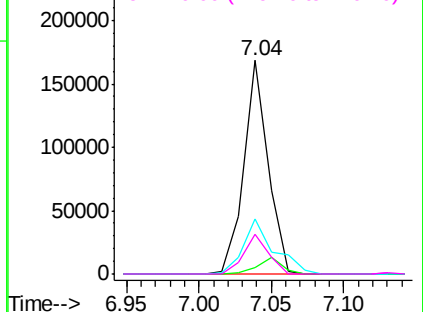
Abundance

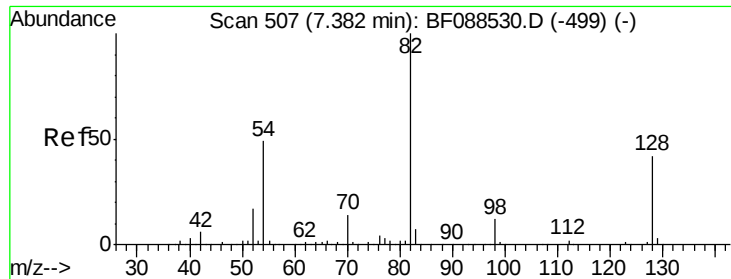
Ion 105.00 (104.70 to 105.70): E

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

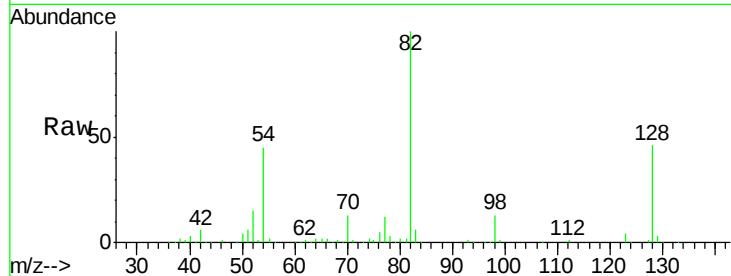




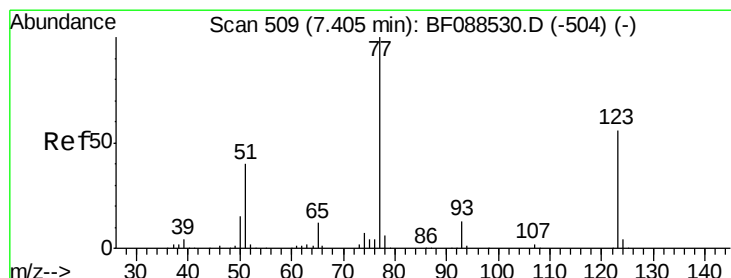
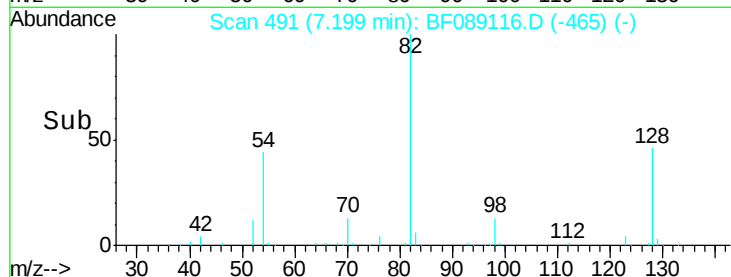
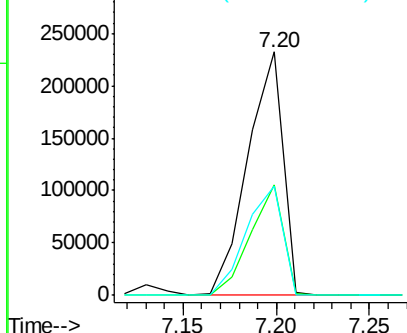
#23
 Nitrobenzene-d5
 Concen: 81.01 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.9	53.9
54	45.0	40.9	61.3

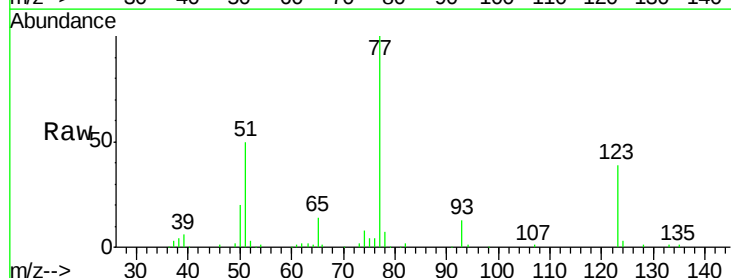


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

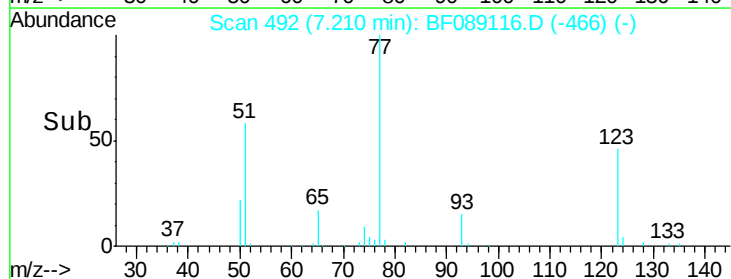
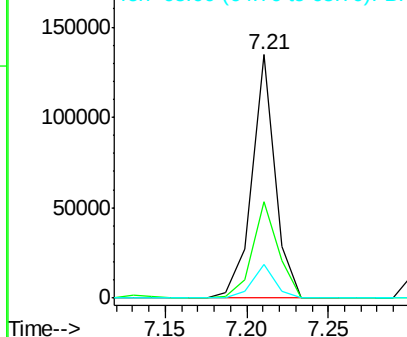


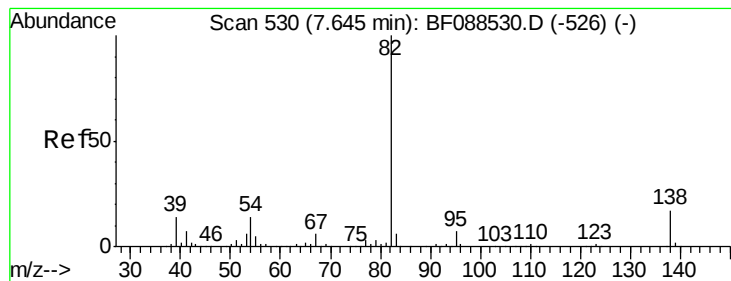
#24
 Nitrobenzene
 Concen: 35.06 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.5	45.0	67.4#
65	13.7	10.2	15.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 37.72 ng

RT: 7.46 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

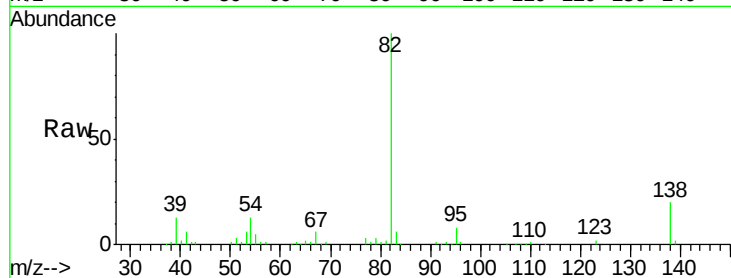
Tgt Ion: 82 Resp: 262351

Ion Ratio Lower Upper

82 100

95 7.5 5.4 8.2

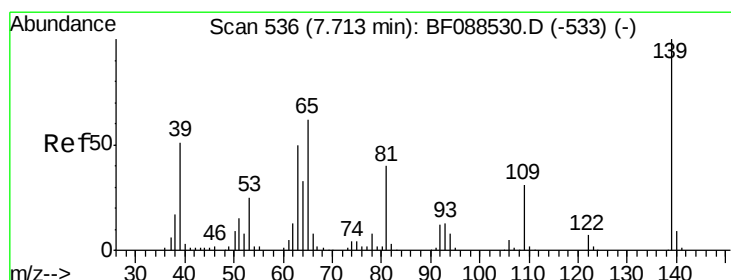
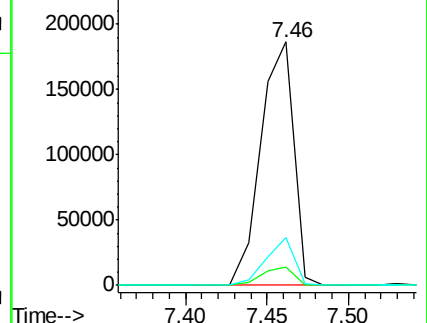
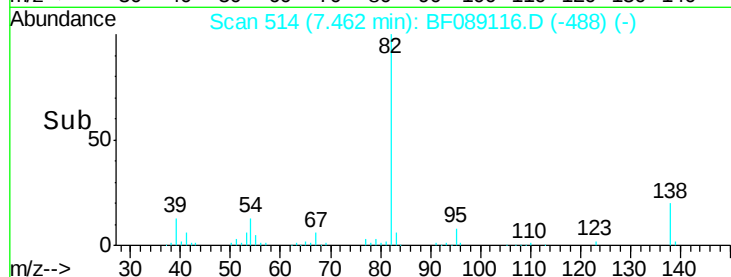
138 19.6 14.6 21.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 42.87 ng

RT: 7.53 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

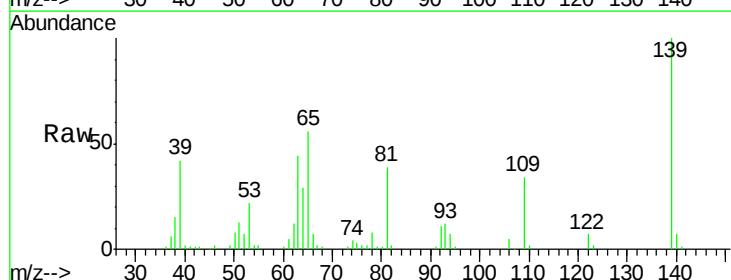
Tgt Ion: 139 Resp: 66548

Ion Ratio Lower Upper

139 100

109 34.1 23.0 34.4

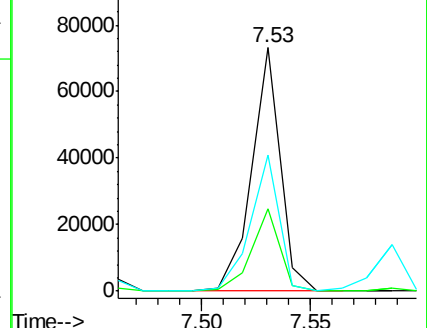
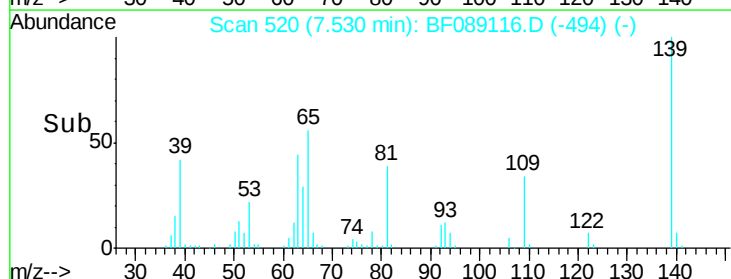
65 56.0 45.8 68.8



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





#27

2,4-Dimethylphenol

Concen: 38.76 ng

RT: 7.59 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

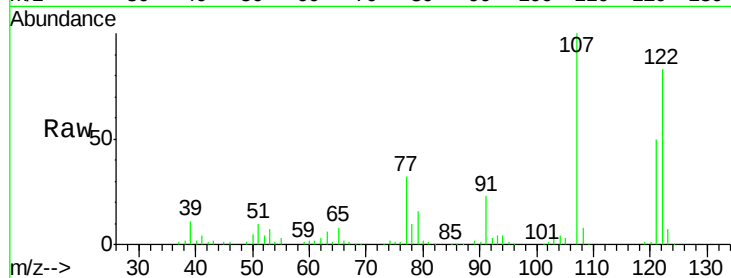
Tgt Ion:122 Resp: 125325

Ion Ratio Lower Upper

122 100

107 119.8 82.4 123.6

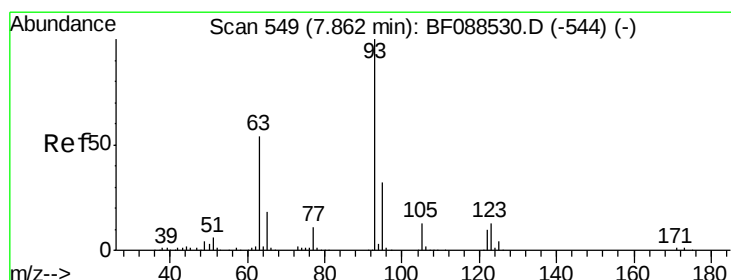
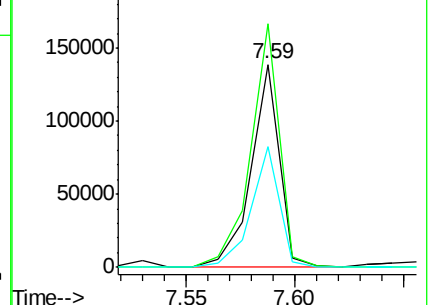
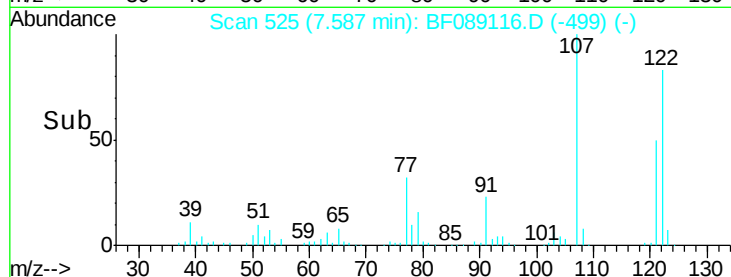
121 59.7 46.3 69.5



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: 37.20 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

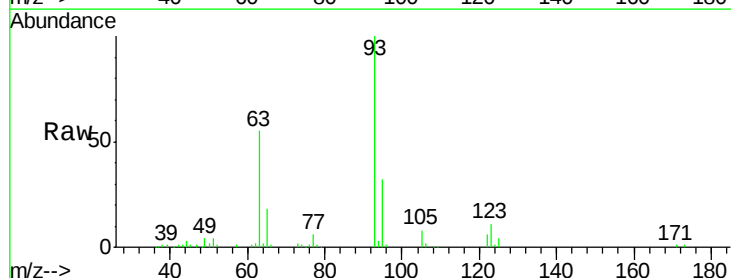
Tgt Ion: 93 Resp: 168373

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

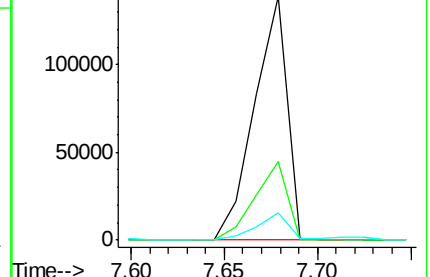
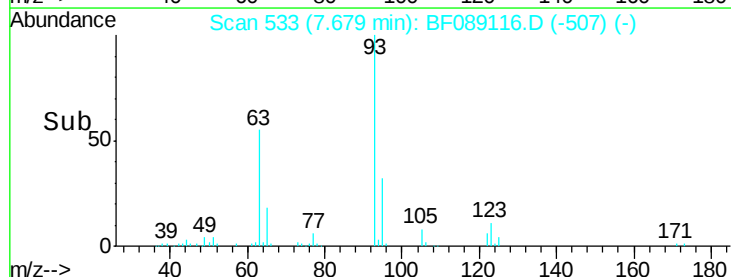
123 11.5 11.6 17.4#

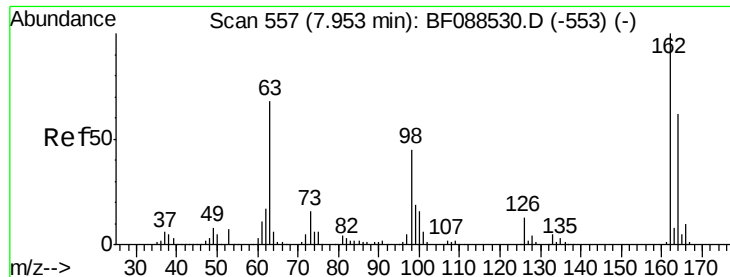


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

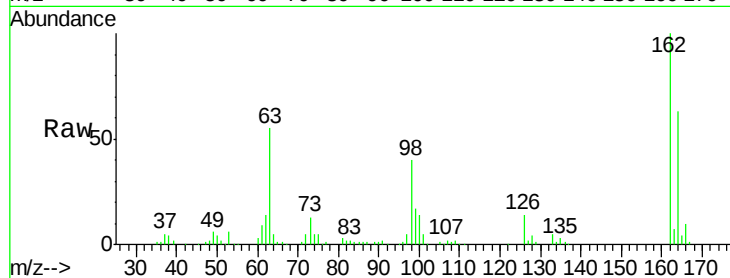




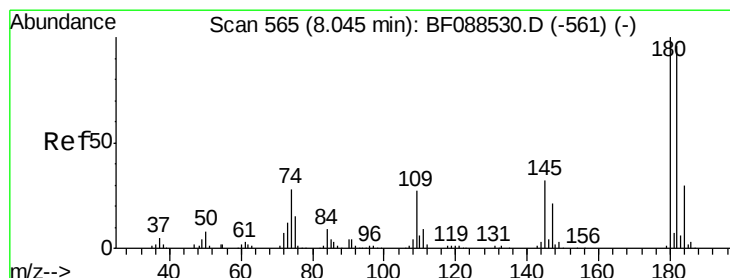
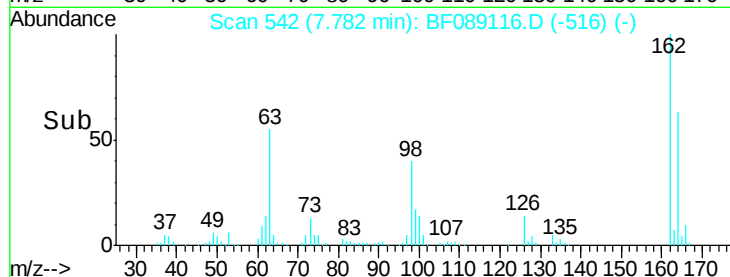
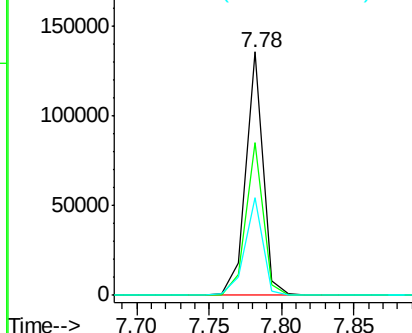
#29
 2,4-Dichlorophenol
 Concen: 42.98 ng
 RT: 7.78 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.8	83.8
98	40.1	21.3	61.3

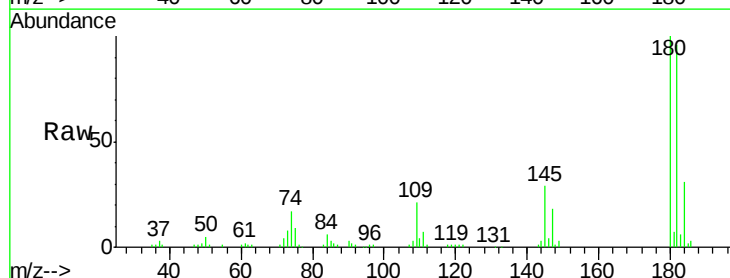


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

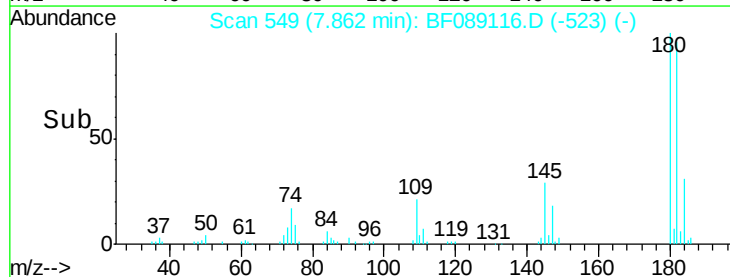
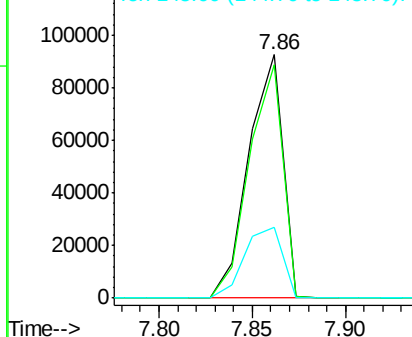


#30
 1,2,4-Trichlorobenzene
 Concen: 40.81 ng
 RT: 7.86 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	29.0	26.5	39.7



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

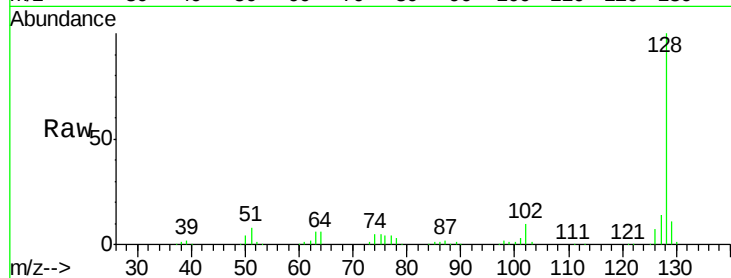




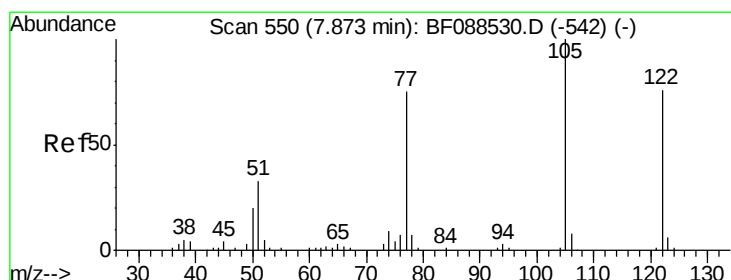
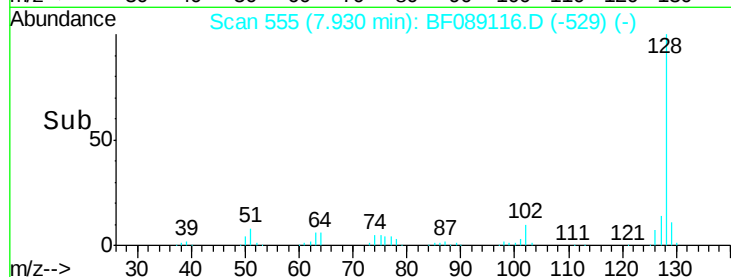
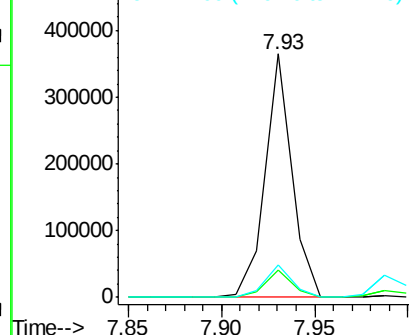
#31
Naphthalene
Concen: 37.29 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:128 Resp: 361736
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 13.6 10.9 16.3

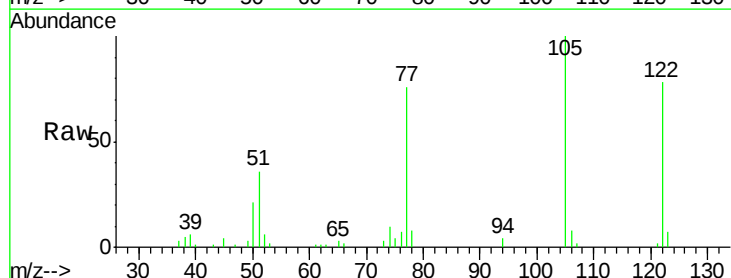


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

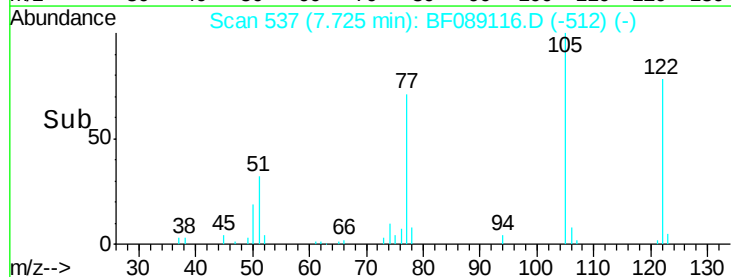
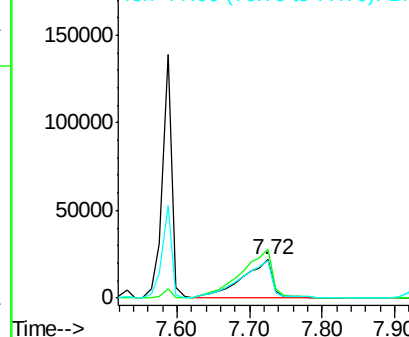


#32
Benzoic acid
Concen: 28.27 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:122 Resp: 66359
Ion Ratio Lower Upper
122 100
105 128.1 101.6 141.6
77 97.8 70.6 110.6



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

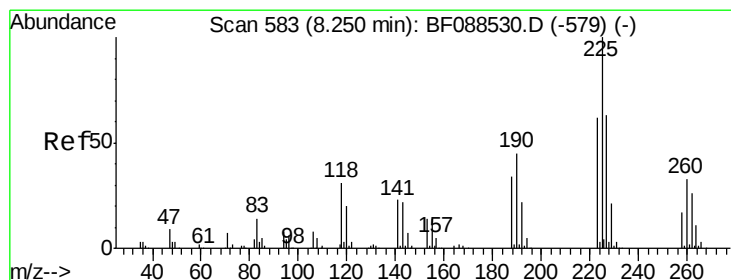
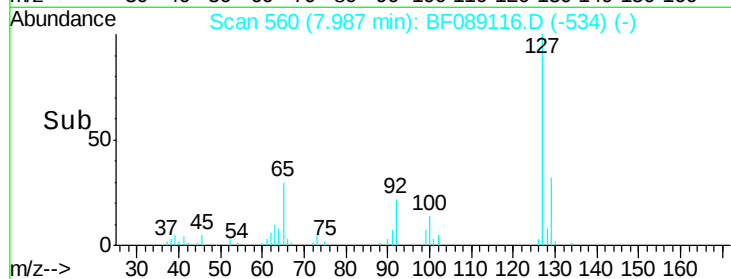
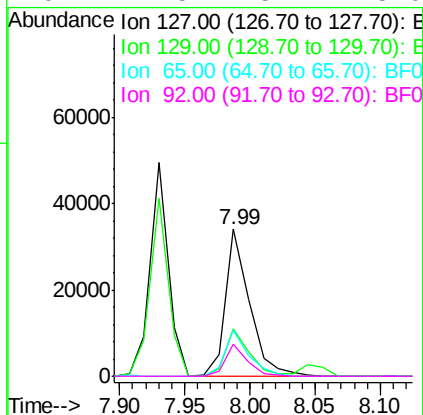
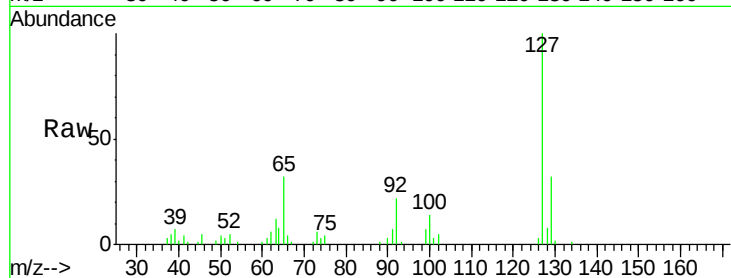




#33
 4-Chloroaniline
 Concen: 10.23 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

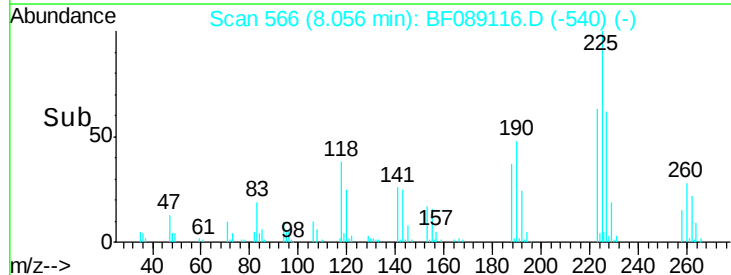
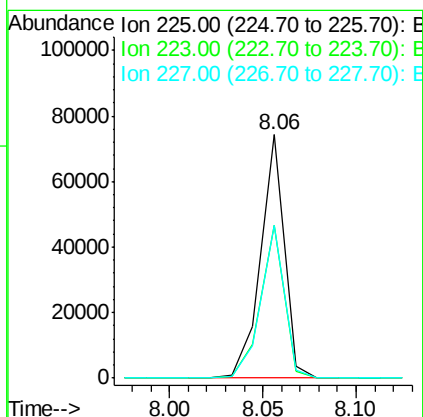
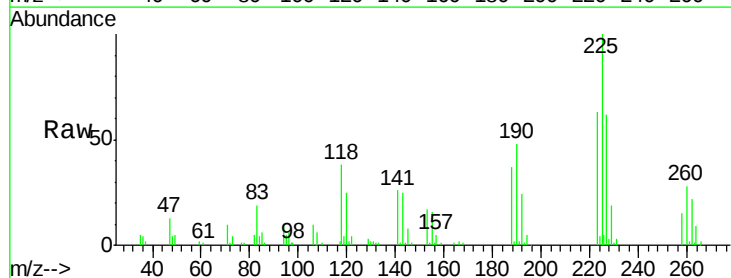
Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

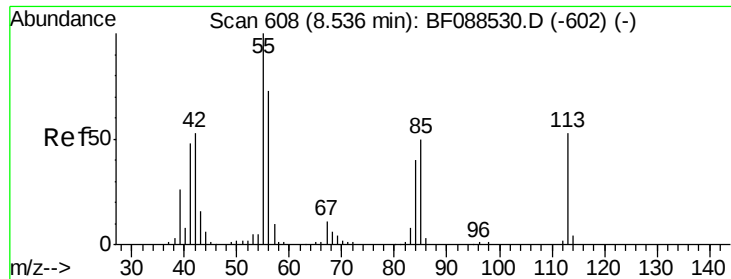
Tgt Ion:	127	Resp:	44147
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.3	39.5
65	31.6	24.7	37.1
92	21.5	15.4	23.0



#34
 Hexachlorobutadiene
 Concen: 42.35 ng
 RT: 8.06 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:	225	Resp:	65032
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	62.5	51.9	77.9

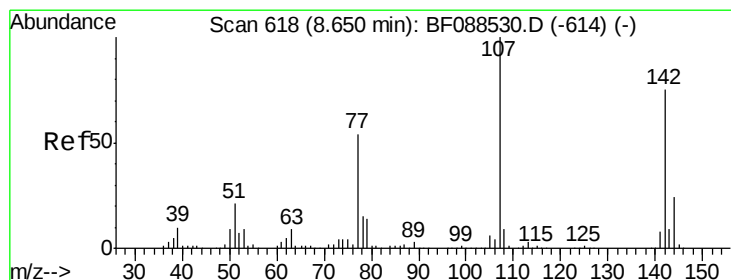
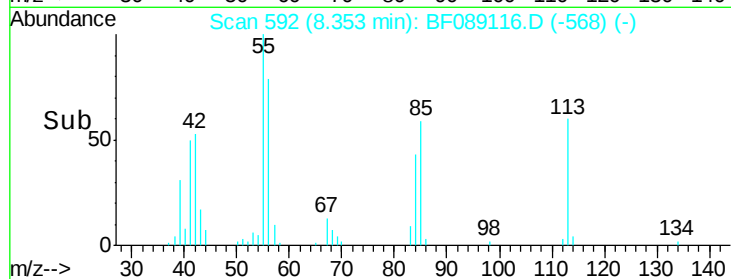
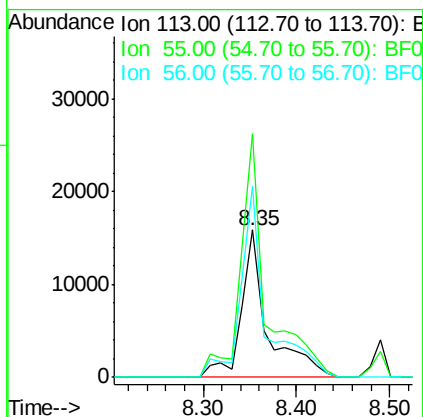
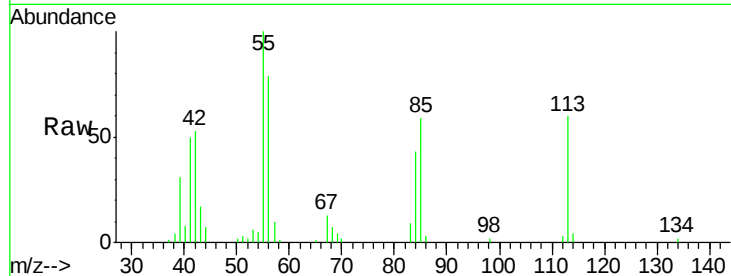




#35
 Caprolactam
 Concen: 35.15 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

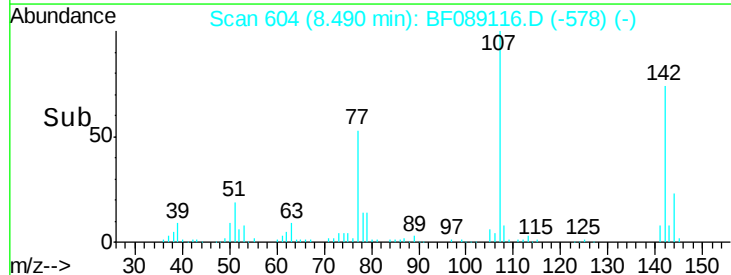
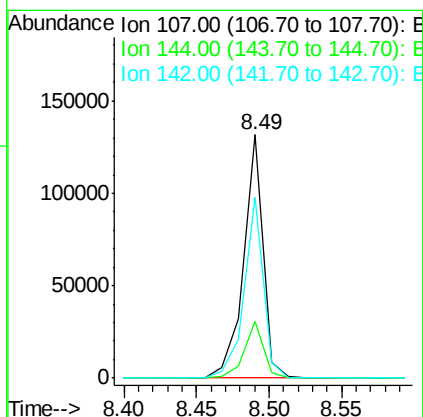
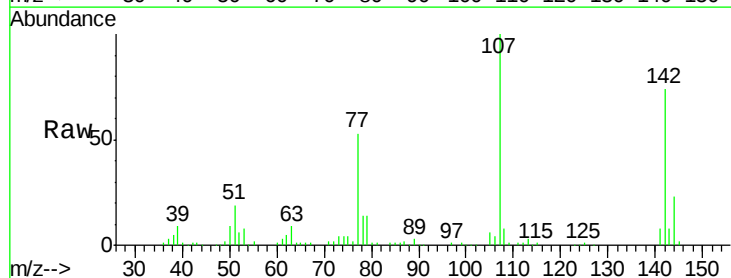
Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

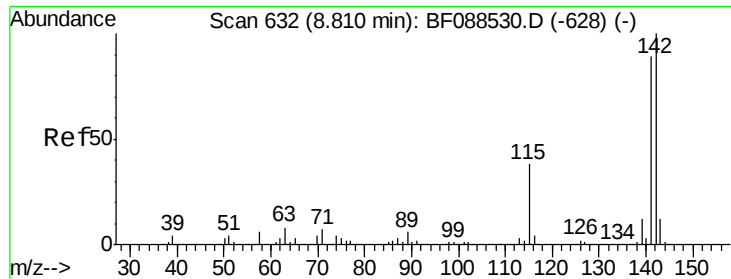
Tgt Ion:113 Resp: 31198
 Ion Ratio Lower Upper
 113 100
 55 165.3 158.6 198.6
 56 129.8 110.6 150.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.95 ng
 RT: 8.49 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:107 Resp: 123447
 Ion Ratio Lower Upper
 107 100
 144 23.3 20.8 31.2
 142 74.1 63.4 95.2

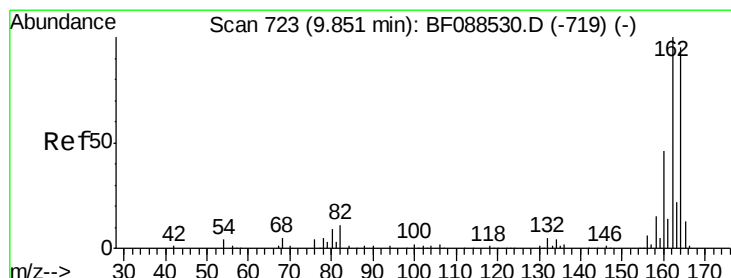
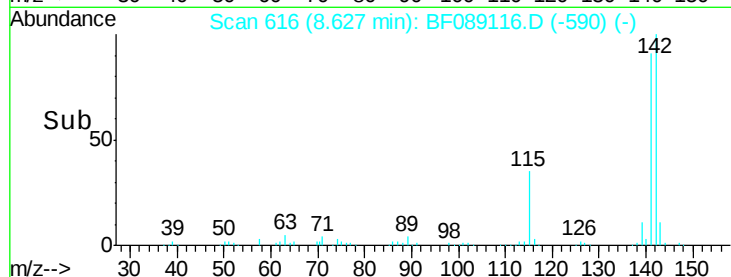
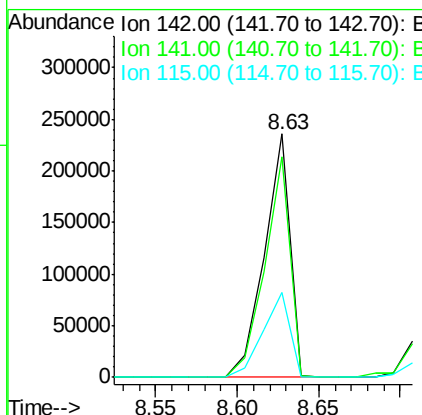
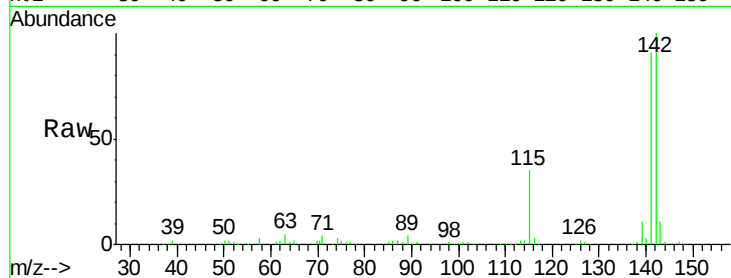




#37
 2-Methylnaphthalene
 Concen: 41.18 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

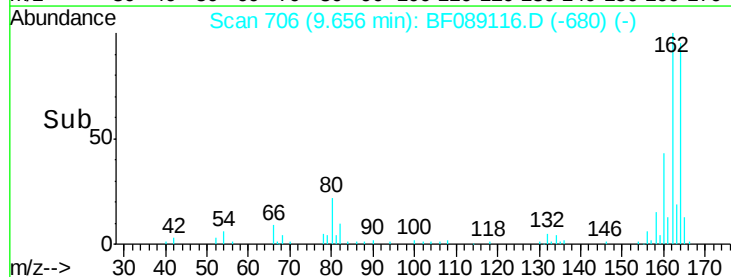
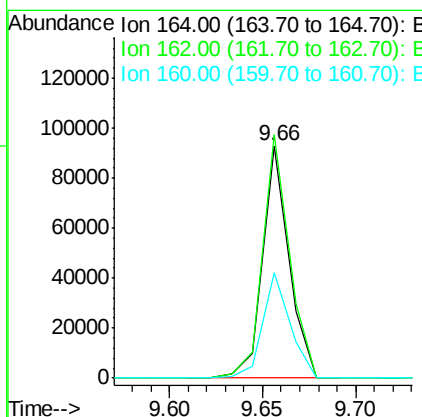
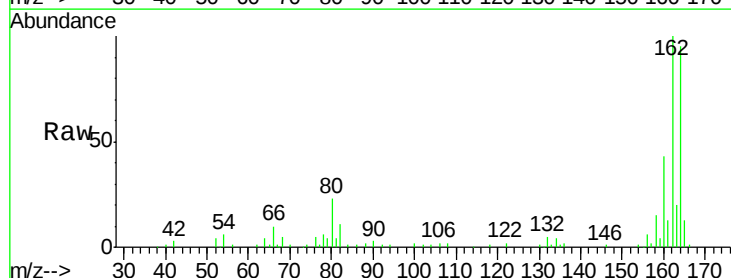
Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

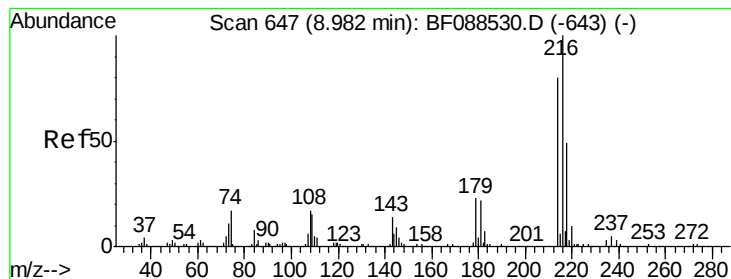
Tgt Ion:142 Resp: 257200
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.0 106.6
 115 34.7 22.6 33.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:164 Resp: 90162
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.4 128.2
 160 45.4 39.5 59.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.25 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

Tgt Ion:216 Resp: 99700

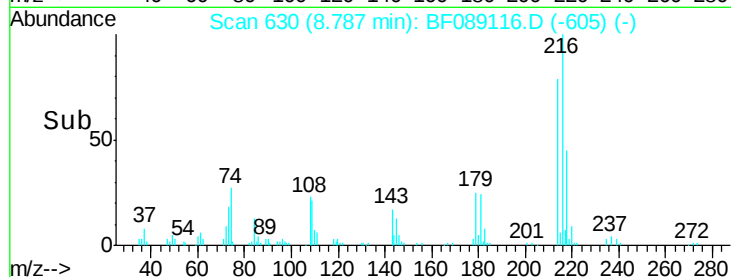
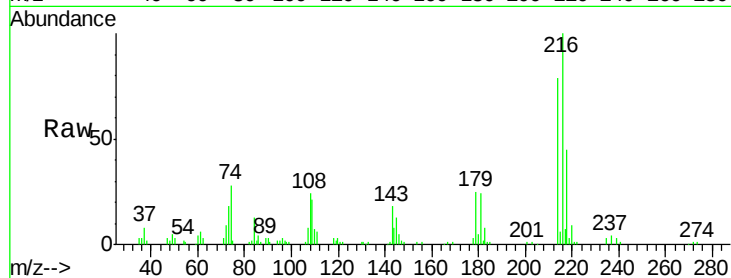
Ion Ratio Lower Upper

216 100

214 78.7 2.9 4.3#

179 22.9 0.0 0.0#

108 20.6 0.5 0.7#

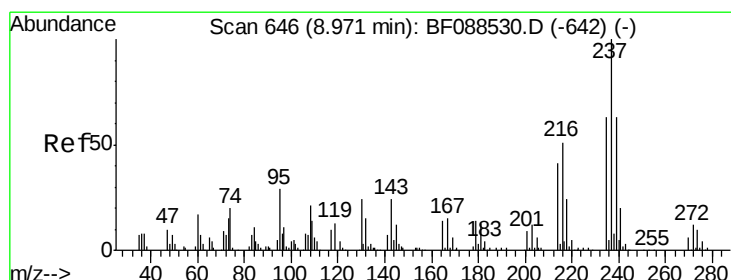
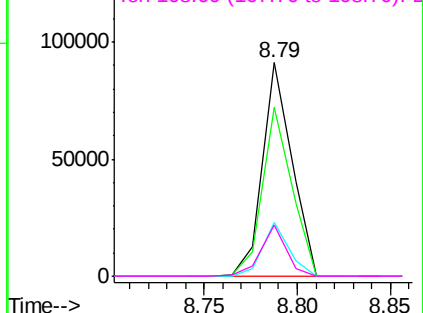


Abundance Ion 216.00 (215.70 to 216.70): E

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: 15.56 ng

RT: 8.78 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

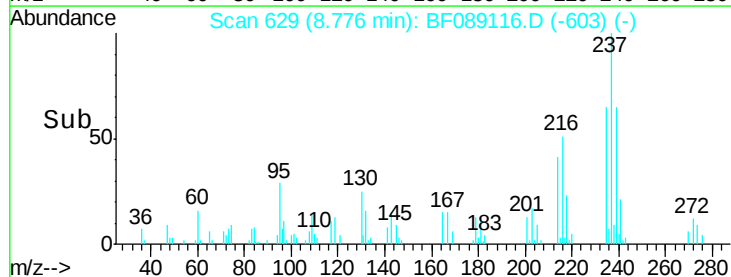
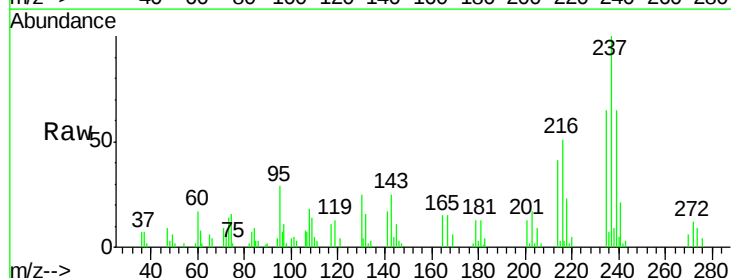
Tgt Ion:237 Resp: 22900

Ion Ratio Lower Upper

237 100

235 64.7 43.4 83.4

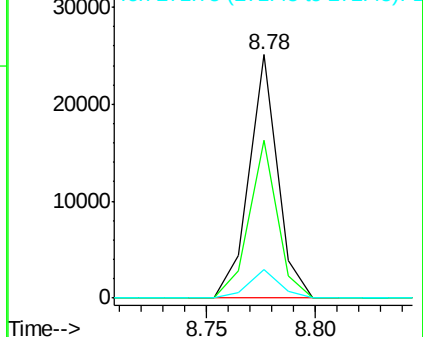
272 11.6 0.0 32.3



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

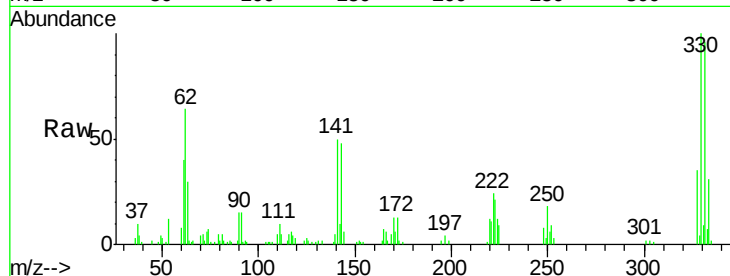




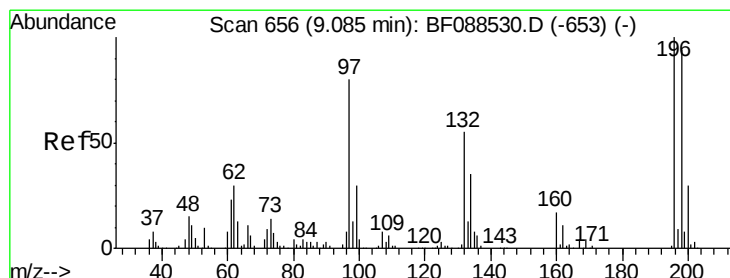
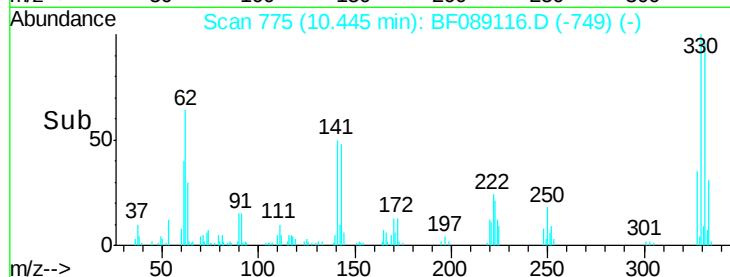
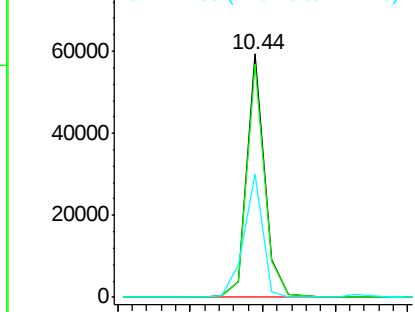
#41
 2,4,6-Tribromophenol
 Concen: 60.66 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion:330 Resp: 50785
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 53.3 0.0 0.0#

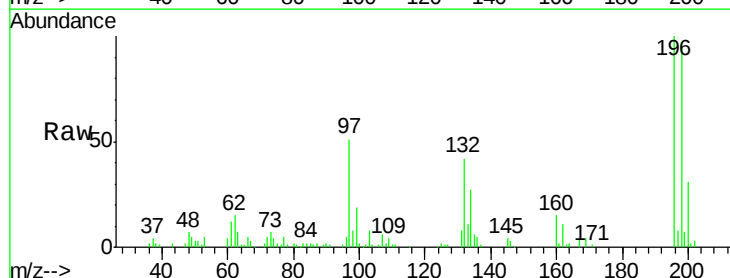


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

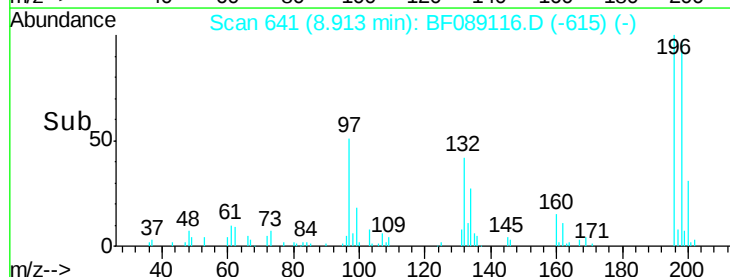
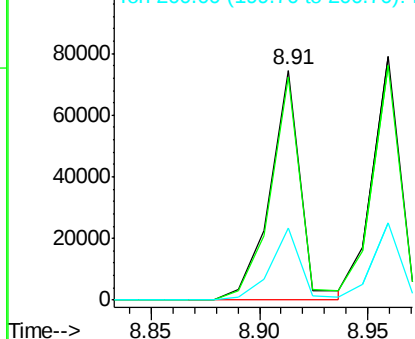


#42
 2,4,6-Trichlorophenol
 Concen: 36.95 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:196 Resp: 73066
 Ion Ratio Lower Upper
 196 100
 198 97.1 78.0 117.0
 200 31.2 25.4 38.2



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

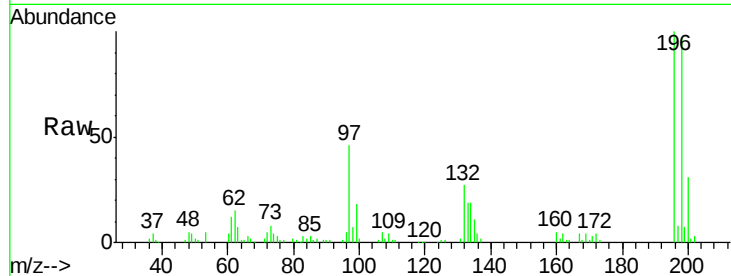




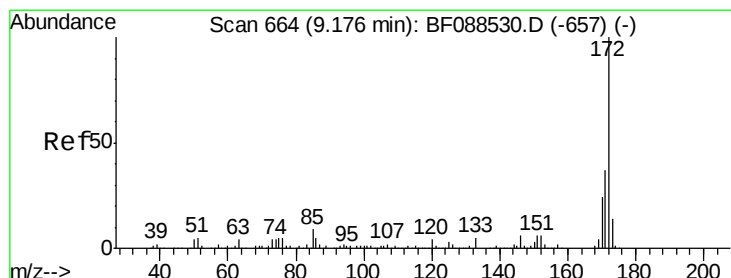
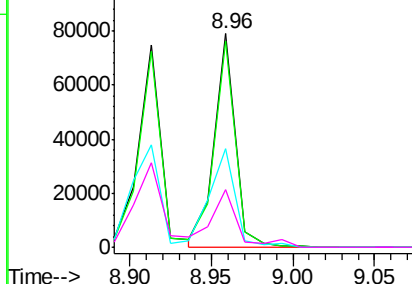
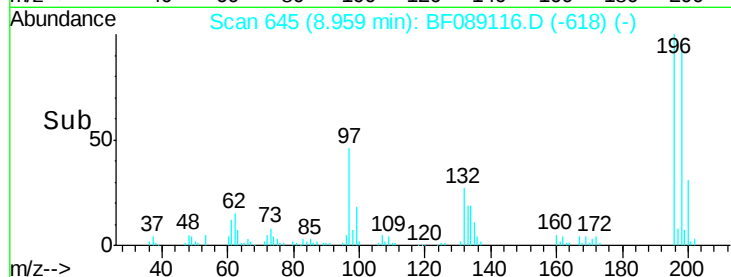
#43
 2,4,5-Trichlorophenol
 Concen: 42.06 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion	Resp	Lower	Upper
196	71558		
196	100		
198	96.6	77.5	116.3
97	46.3	32.0	48.0
132	27.1	20.9	31.3

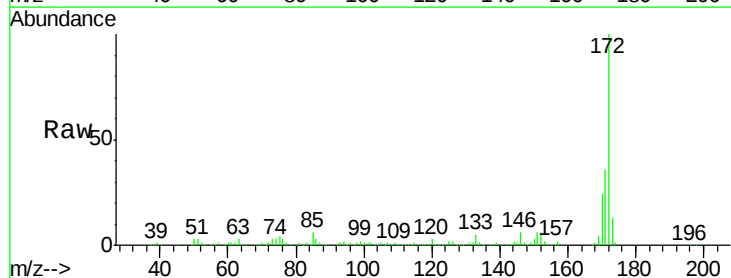


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

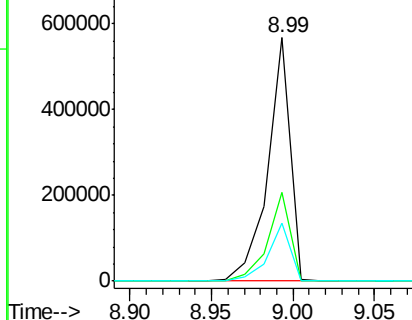
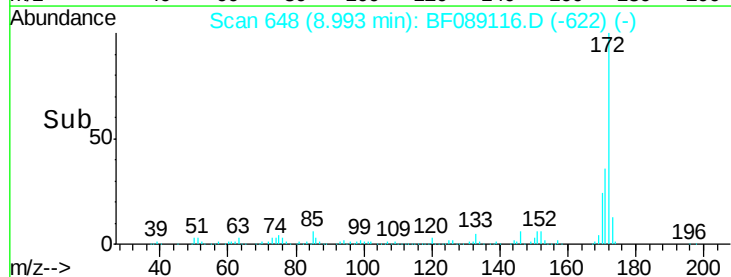


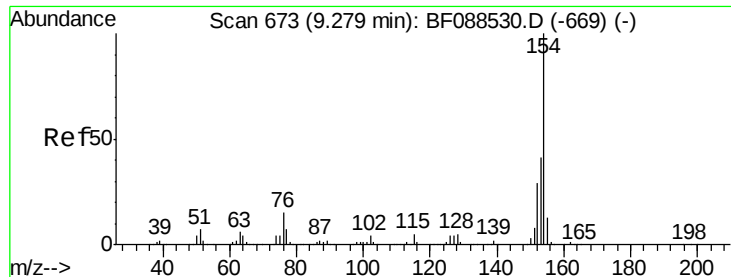
#44
 2-Fluorobiphenyl
 Concen: 95.21 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion	Resp	Lower	Upper
172	543472		
172	100		
171	36.4	28.6	43.0
170	23.8	19.2	28.8



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: 35.76 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

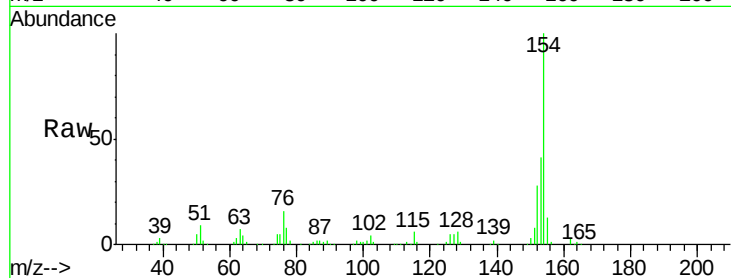
Tgt Ion:154 Resp: 266966

Ion Ratio Lower Upper

154 100

153 41.4 20.6 60.6

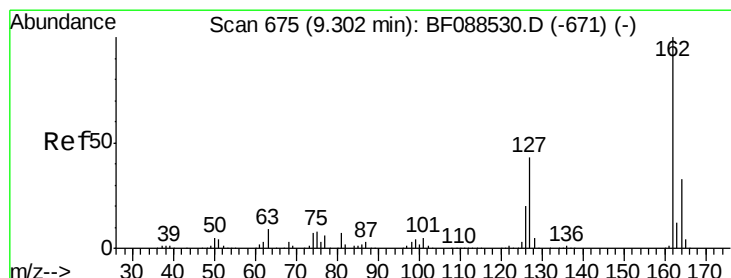
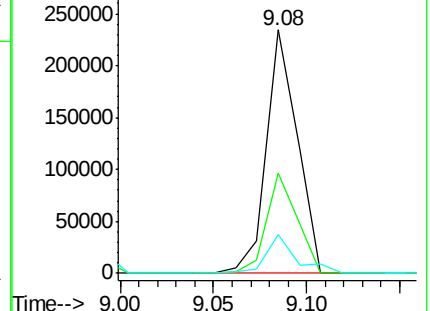
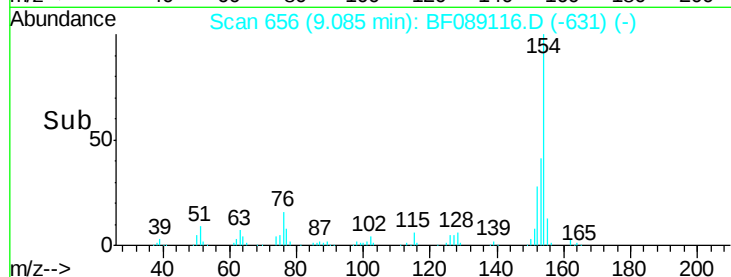
76 16.0 0.0 35.1



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: 35.91 ng

RT: 9.11 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

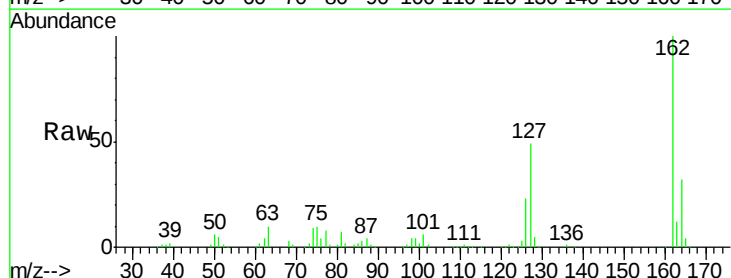
Tgt Ion:162 Resp: 210481

Ion Ratio Lower Upper

162 100

127 49.0 35.2 52.8

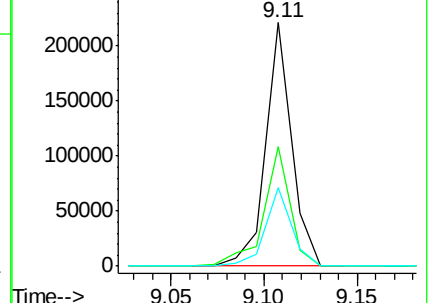
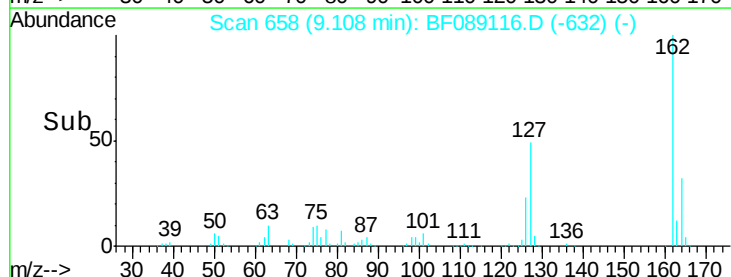
164 32.5 26.6 39.8



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

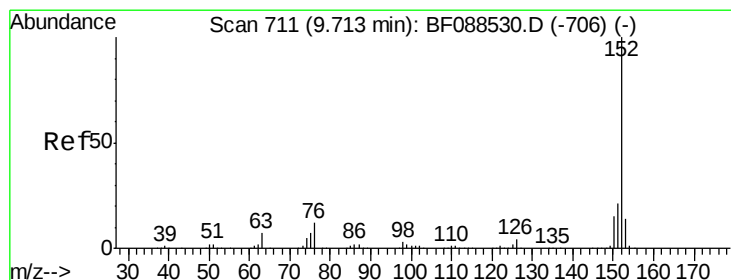
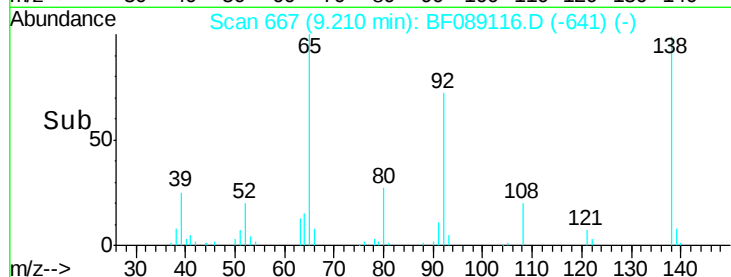
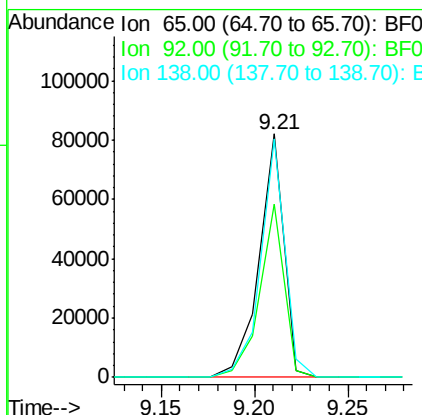
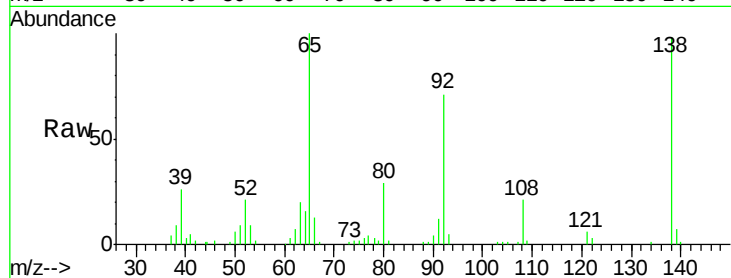




#47
 2-Nitroaniline
 Concen: 35.92 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

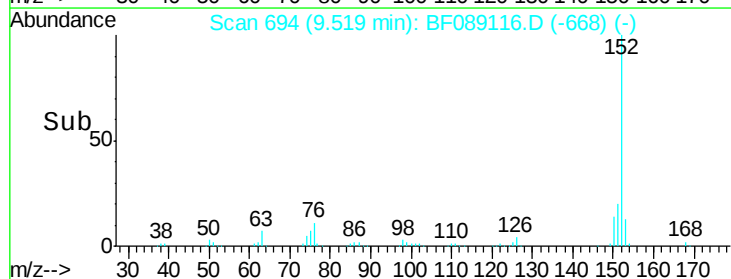
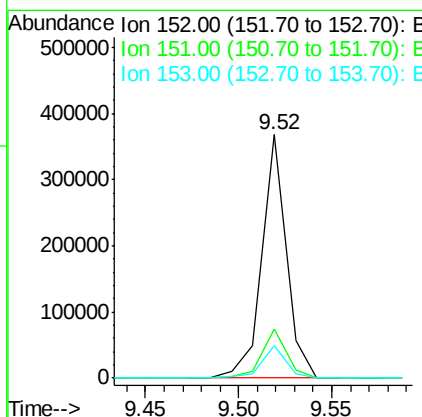
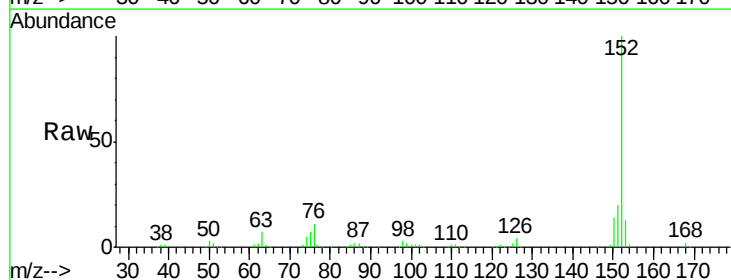
Instrument :
 BNA_F
 ClientSampled :
 PB92230BS

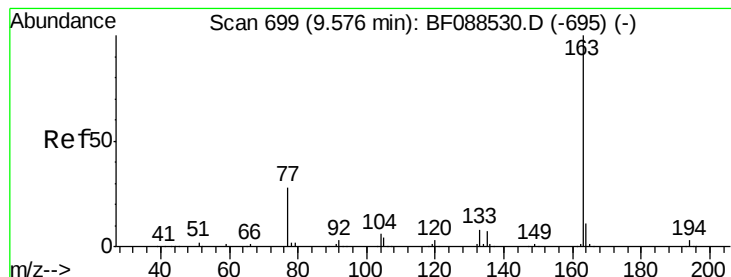
Tgt Ion: 65 Resp: 74709
 Ion Ratio Lower Upper
 65 100
 92 71.2 54.6 82.0
 138 98.0 77.0 115.4



#48
 Acenaphthylene
 Concen: 35.65 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion: 152 Resp: 332432
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.2 24.4
 153 13.2 11.0 16.6





#49

Dimethylphthalate

Concen: 38.15 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

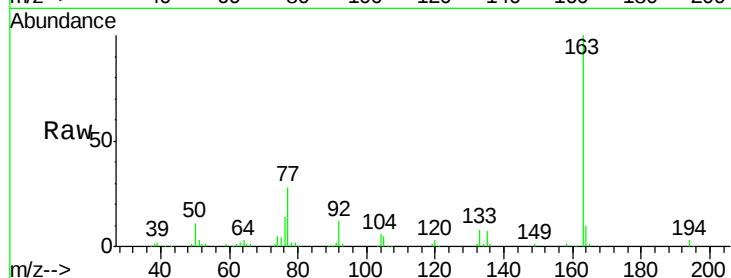
Tgt Ion:163 Resp: 245052

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

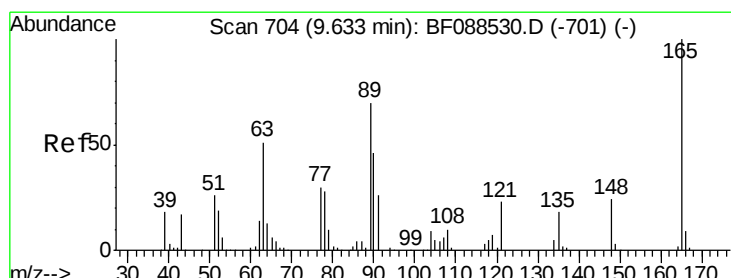
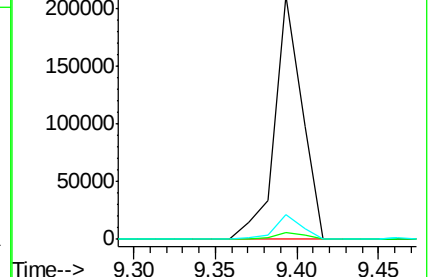
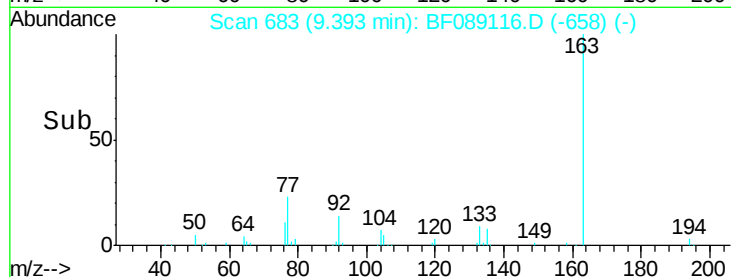
164 10.4 8.3 12.5



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: 40.02 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

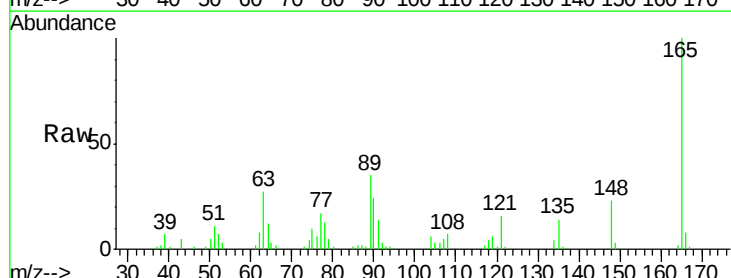
Tgt Ion:165 Resp: 56975

Ion Ratio Lower Upper

165 100

63 27.3 28.1 42.1#

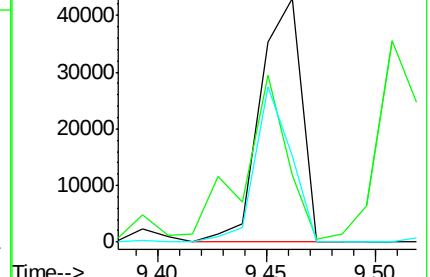
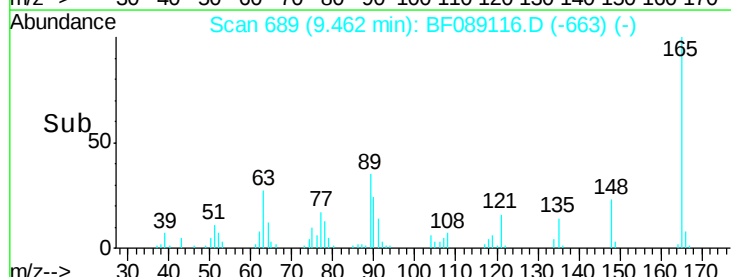
89 35.5 32.2 48.2

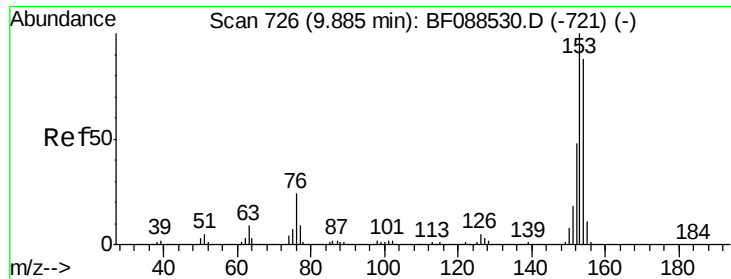


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

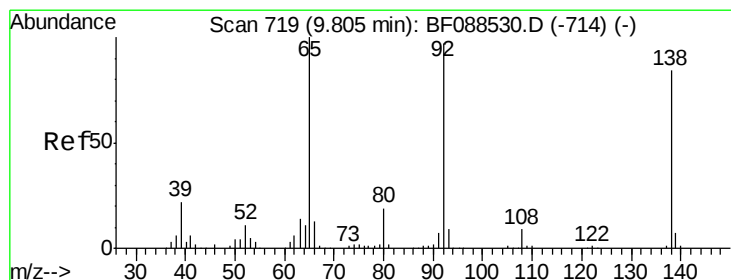
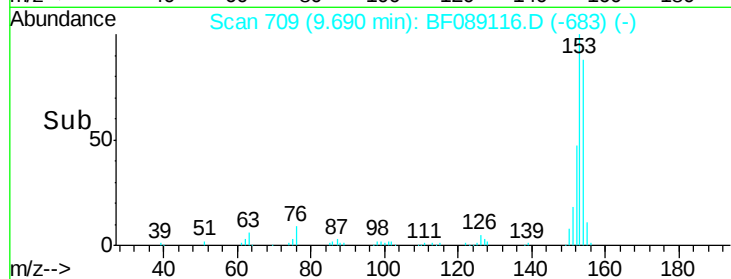
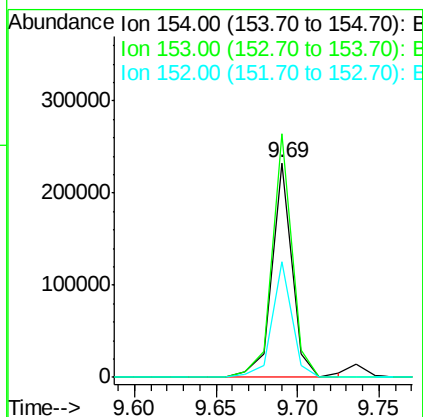
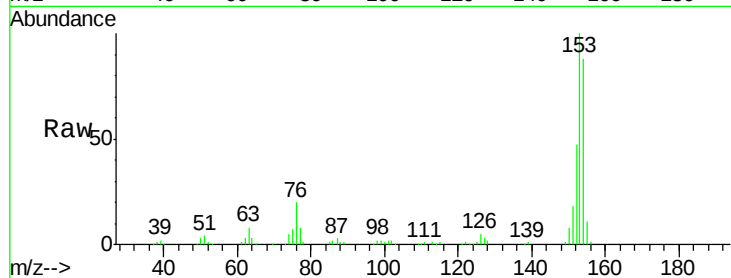




#51
Acenaphthene
Concen: 35.31 ng
RT: 9.69 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

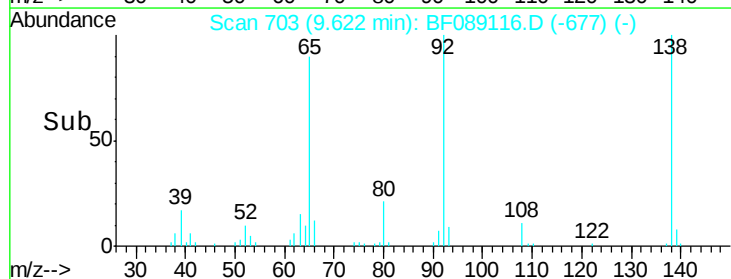
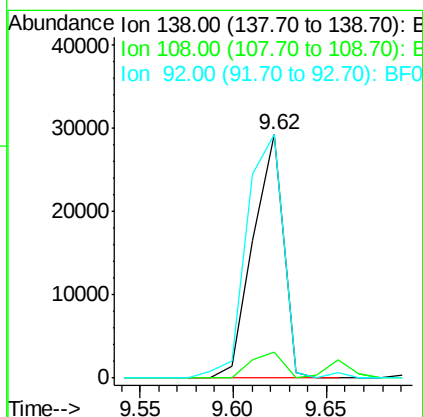
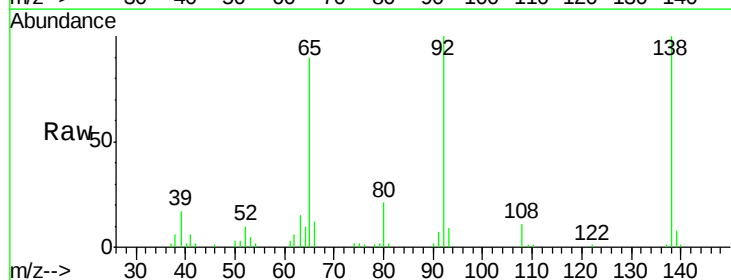
Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:154 Resp: 201822
Ion Ratio Lower Upper
154 100
153 113.6 89.5 134.3
152 53.9 42.7 64.1



#52
3-Nitroaniline
Concen: 18.06 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:138 Resp: 32689
Ion Ratio Lower Upper
138 100
108 10.7 8.5 12.7
92 100.2 95.7 143.5

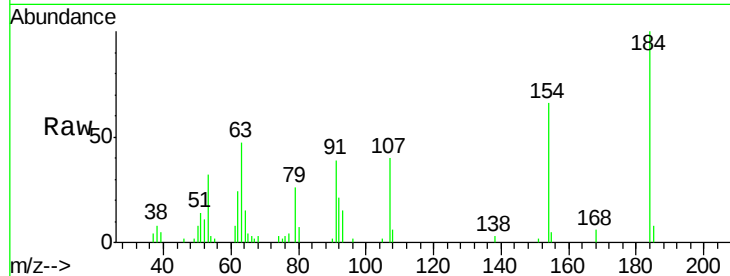




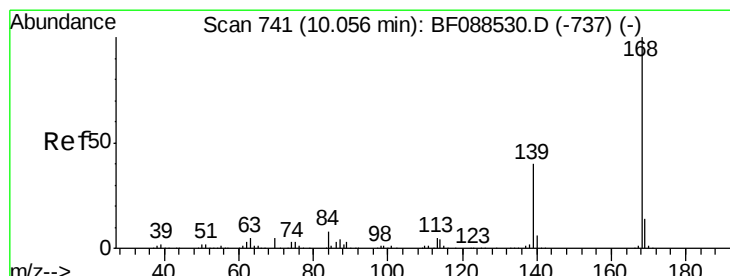
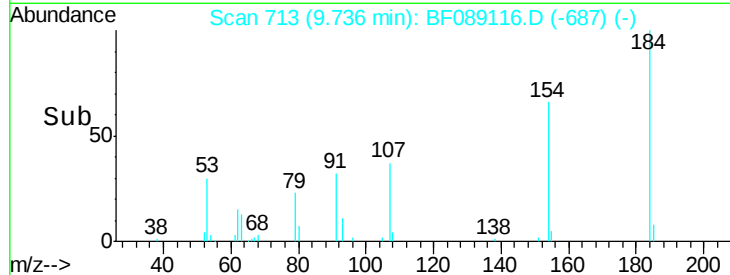
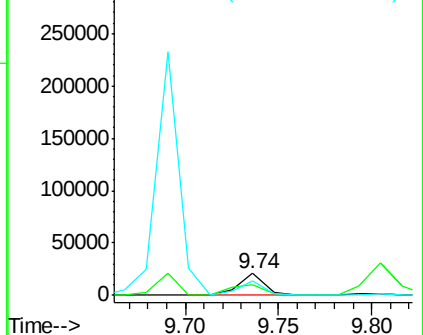
#53
2,4-Dinitrophenol
Concen: 33.21 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:184 Resp: 20873
Ion Ratio Lower Upper
184 100
63 46.9 57.6 86.4#
154 66.1 53.5 80.3

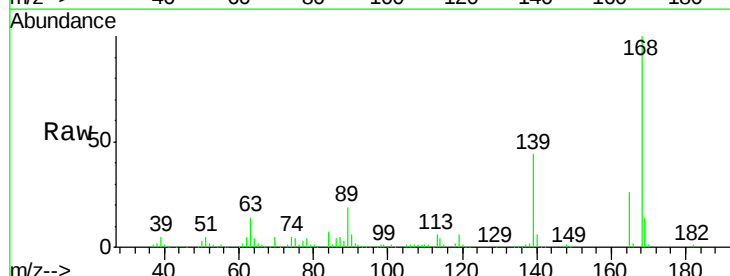


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

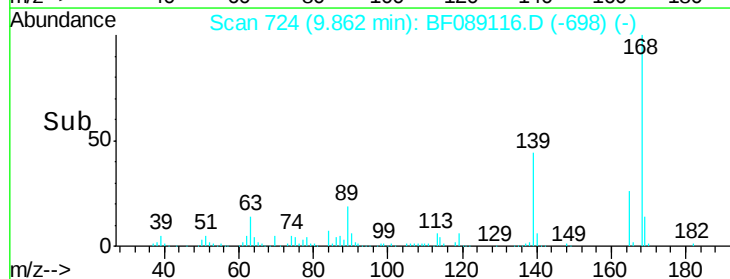
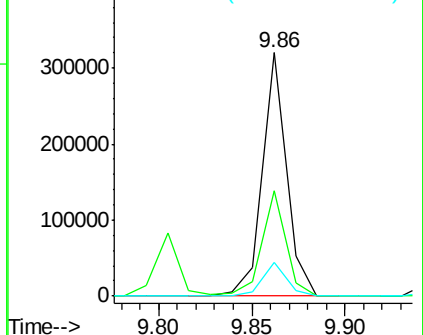


#54
Dibenzofuran
Concen: 38.32 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:168 Resp: 286715
Ion Ratio Lower Upper
168 100
139 43.5 26.4 39.6#
169 13.7 10.4 15.6



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

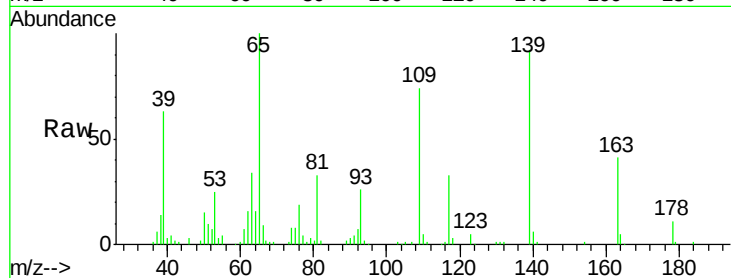




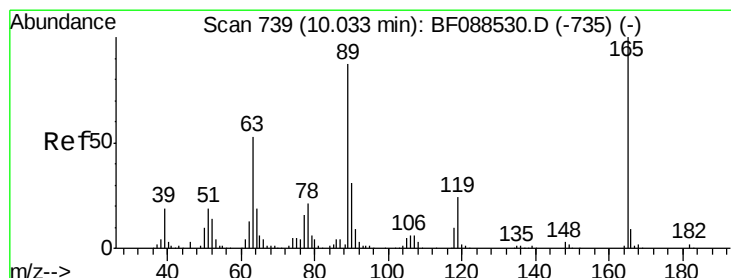
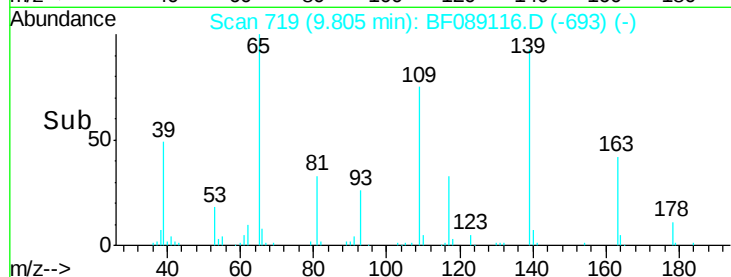
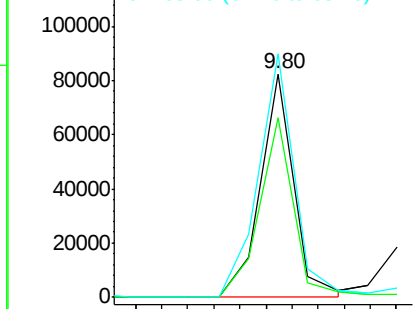
#55
4-Nitrophenol
Concen: 53.68 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:139 Resp: 73828
Ion Ratio Lower Upper
139 100
109 80.2 48.9 88.9
65 109.0 84.9 124.9

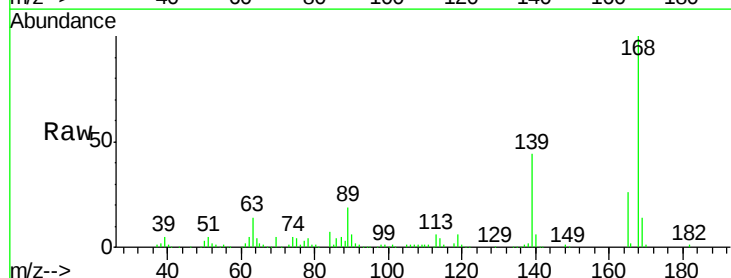


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

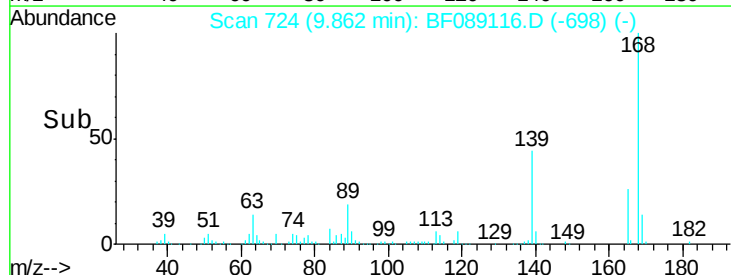
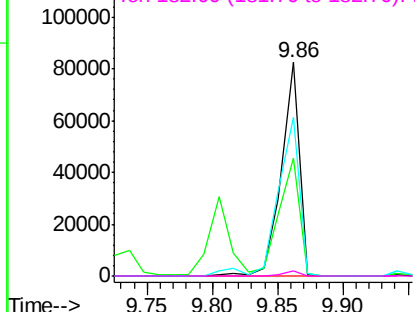


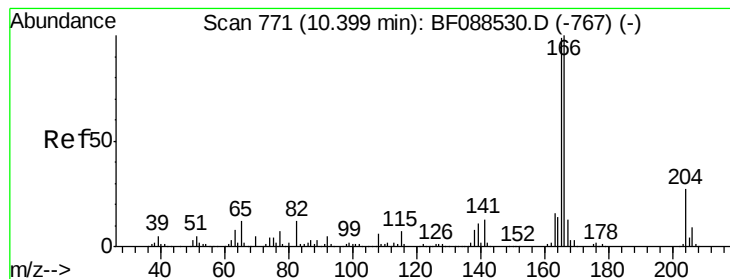
#56
2,4-Dinitrotoluene
Concen: 43.11 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:165 Resp: 80235
Ion Ratio Lower Upper
165 100
63 55.0 22.0 33.0#
89 74.4 41.1 61.7#
182 2.5 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: 41.83 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

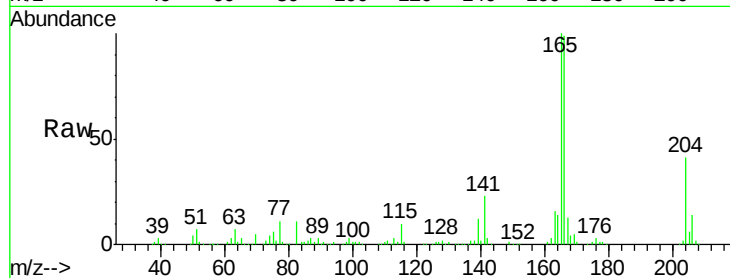
Tgt Ion:166 Resp: 241189

Ion Ratio Lower Upper

166 100

165 100.8 77.8 116.8

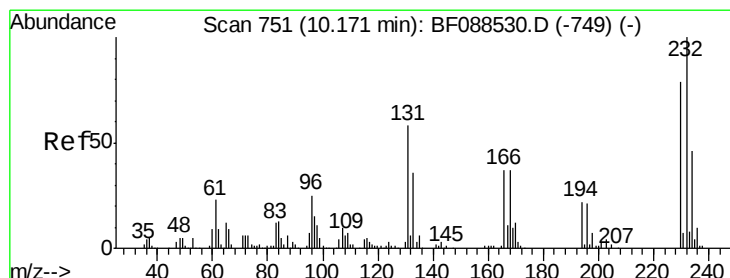
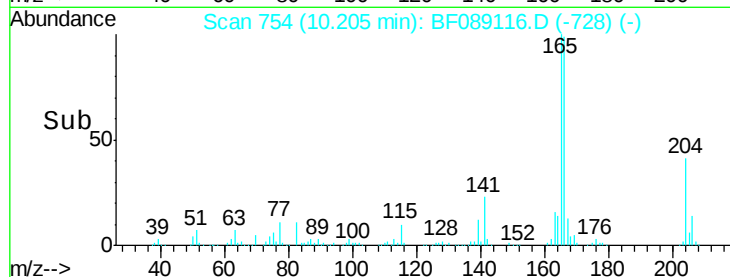
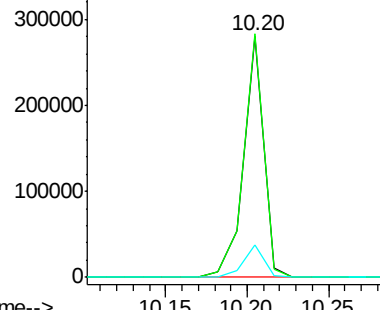
167 13.6 11.2 16.8



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: 38.72 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Tgt Ion:232 Resp: 50962

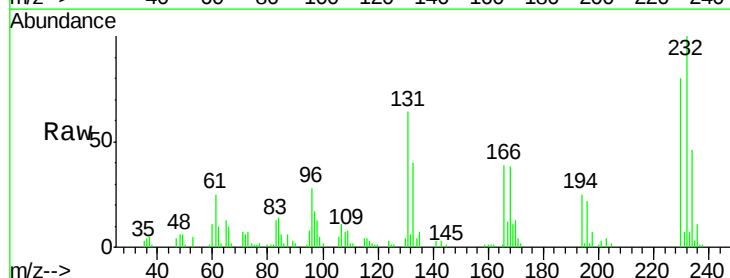
Ion Ratio Lower Upper

232 100

131 58.8 0.9 1.3#

130 2.6 1.5 2.3#

166 36.1 0.5 0.7#

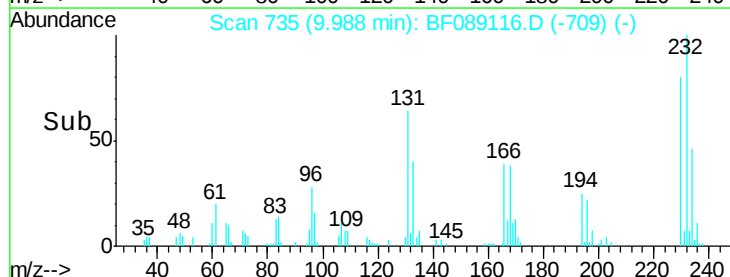
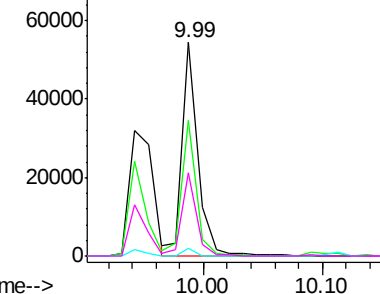


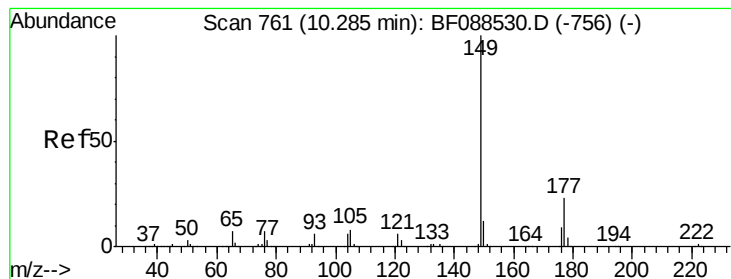
Abundance Ion 232.00 (231.70 to 232.70): E

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: 39.31 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

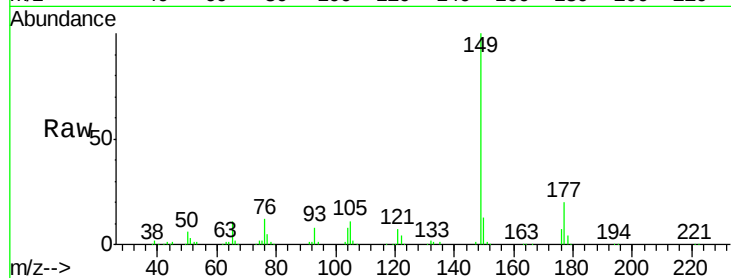
Tgt Ion:149 Resp: 253416

Ion Ratio Lower Upper

149 100

177 19.7 16.9 25.3

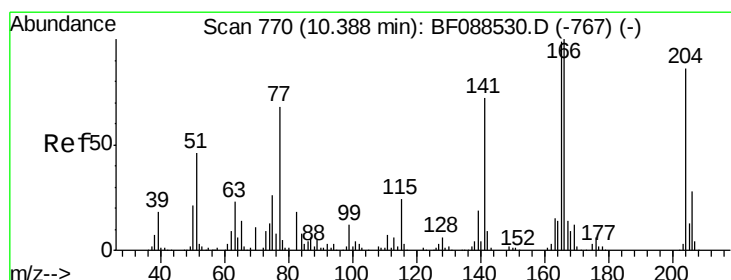
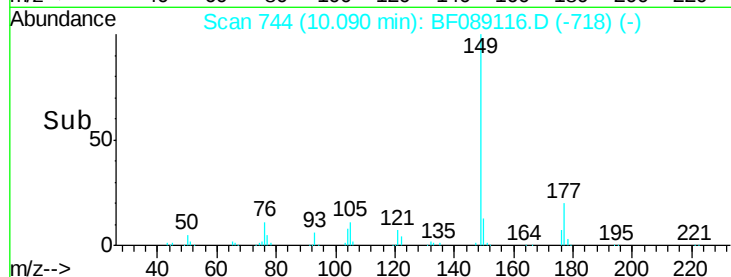
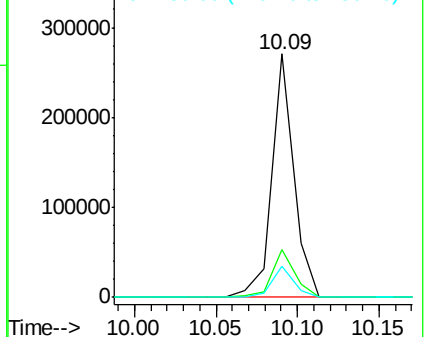
150 12.6 10.1 15.1



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: 41.66 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

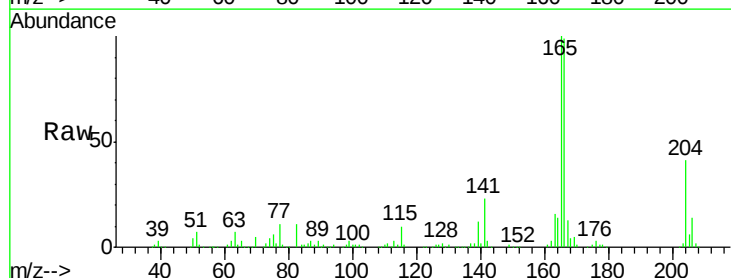
Tgt Ion:204 Resp: 111613

Ion Ratio Lower Upper

204 100

206 33.2 26.3 39.5

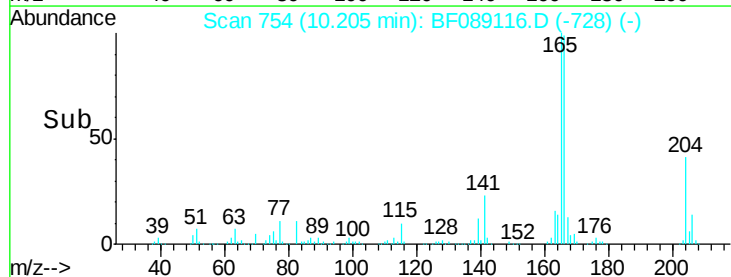
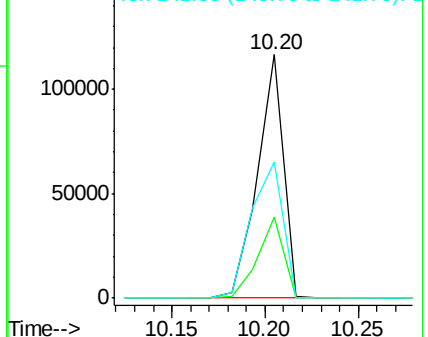
141 56.0 55.0 82.6

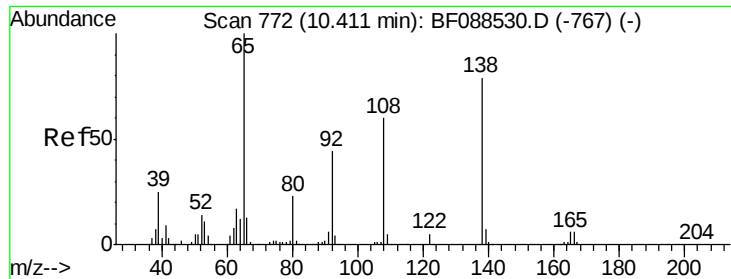


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

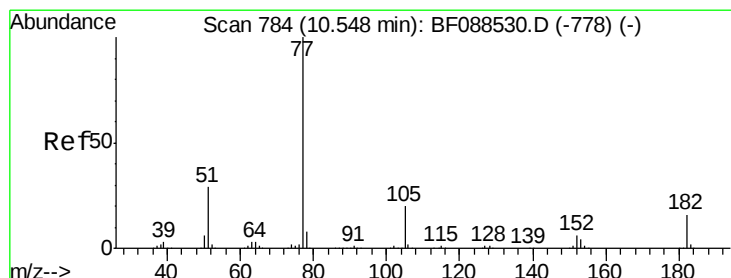
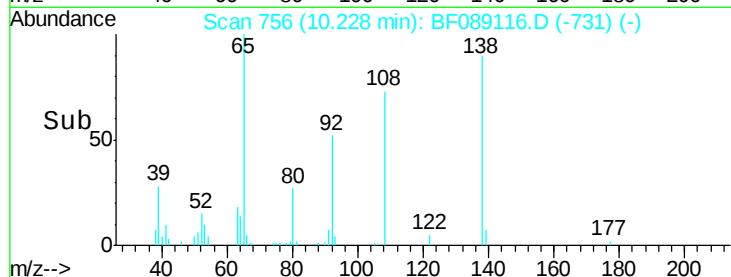
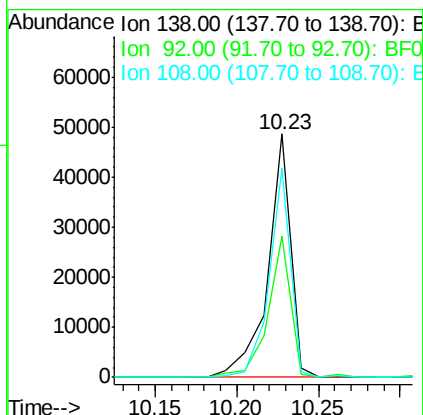
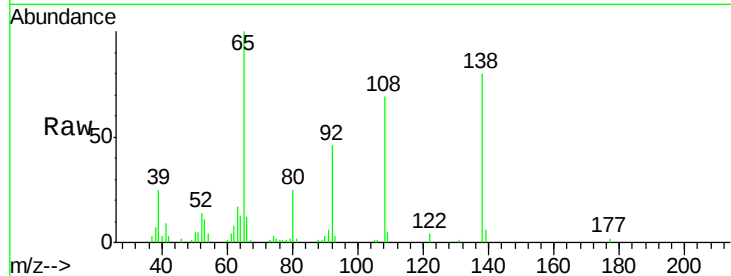




#61
4-Nitroaniline
Concen: 27.33 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

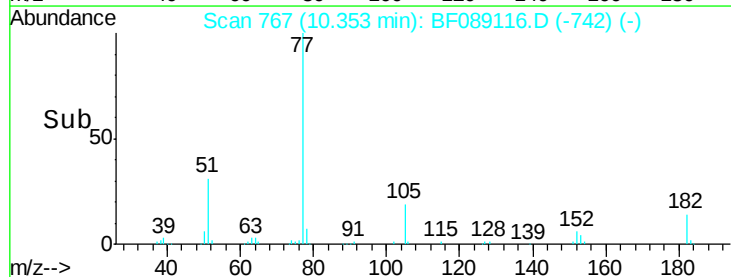
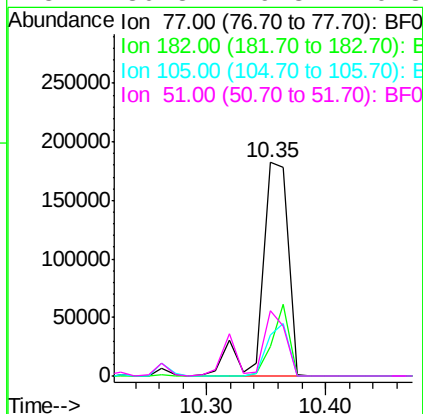
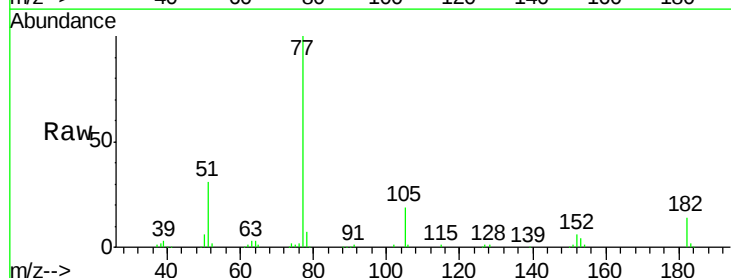
Instrument :
BNA_F
ClientSampleId :
PB92230BS

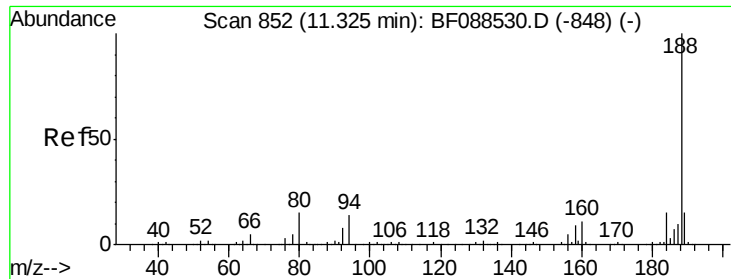
Tgt Ion:138 Resp: 47592
Ion Ratio Lower Upper
138 100
92 58.0 27.3 67.3
108 85.9 46.7 86.7



#62
Azobenzene
Concen: 38.49 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion: 77 Resp: 282987
Ion Ratio Lower Upper
77 100
182 14.1 4.4 44.4
105 19.0 3.8 43.8
51 30.8 9.3 49.3

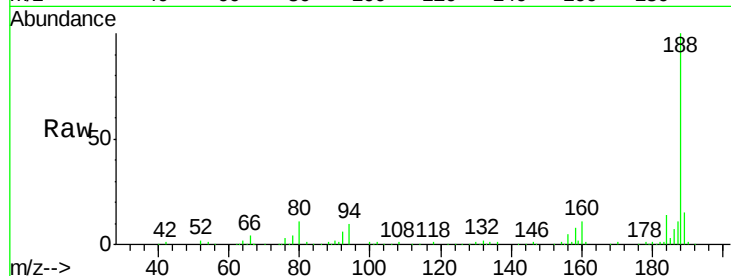




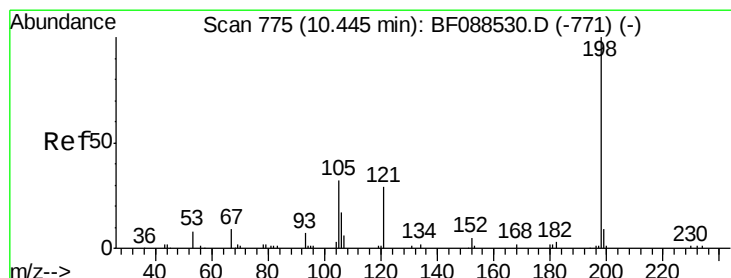
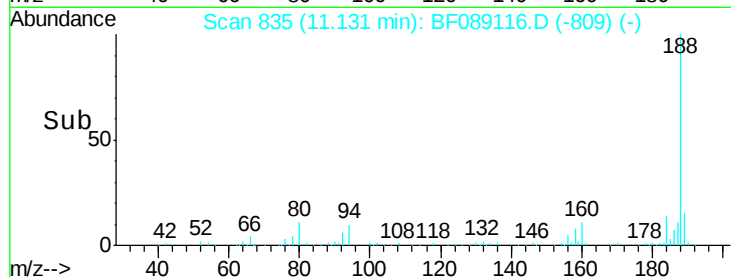
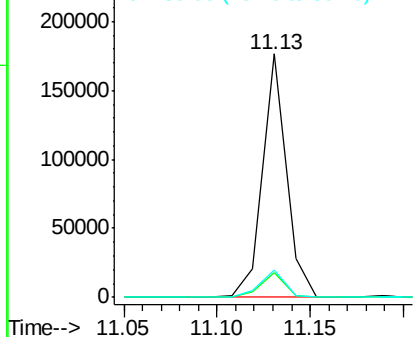
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:188 Resp: 155420
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.6
80 11.0 10.0 15.0

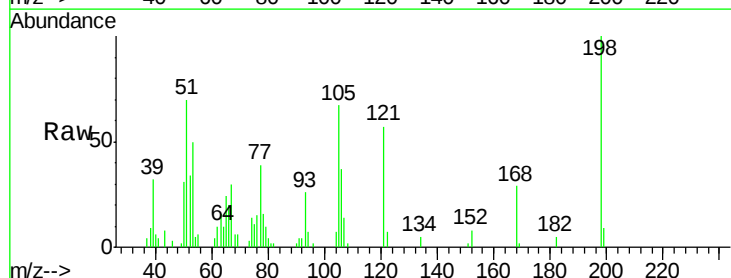


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

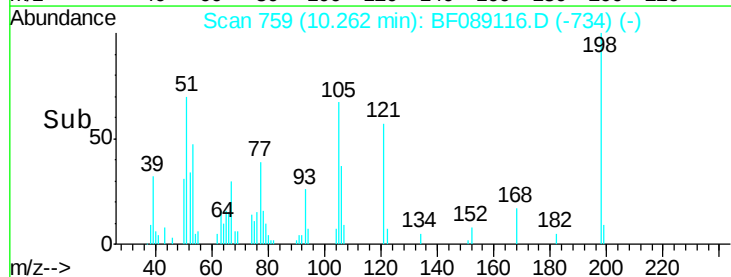
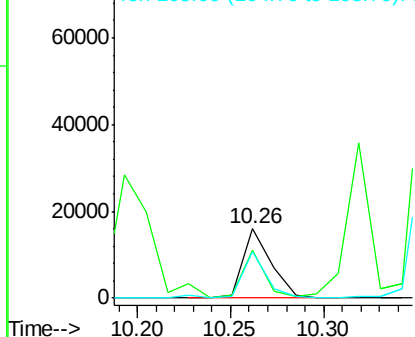


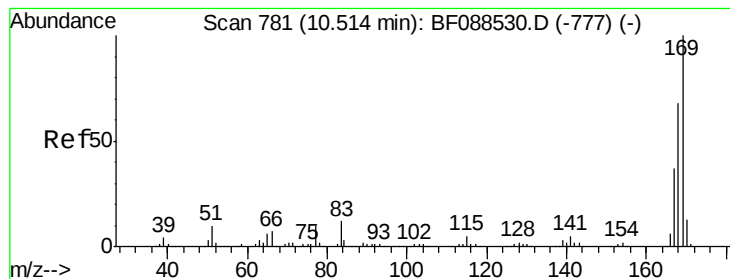
#64
4,6-Dinitro-2-methylphenol
Concen: 19.83 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:198 Resp: 16483
Ion Ratio Lower Upper
198 100
51 69.8 39.6 79.6
105 67.0 36.6 76.6



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 36.90 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

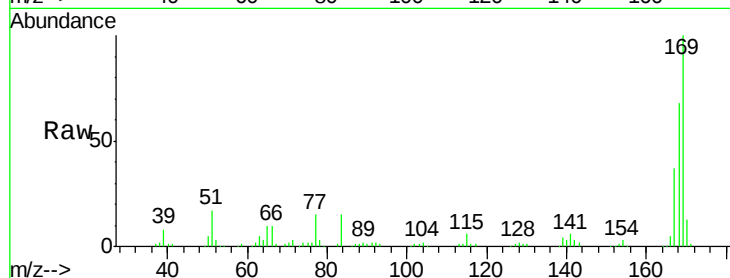
Tgt Ion:169 Resp: 194082

Ion Ratio Lower Upper

169 100

168 67.6 53.4 80.0

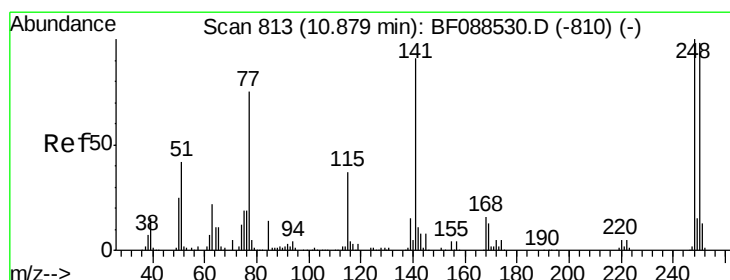
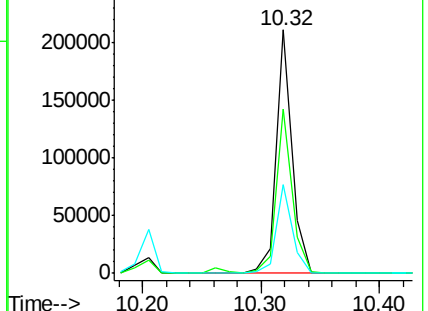
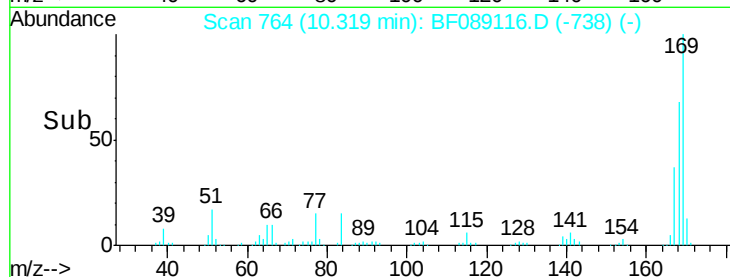
167 36.7 29.4 44.0



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: 38.07 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

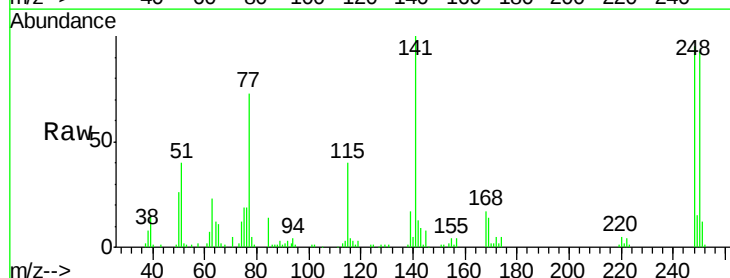
Tgt Ion:248 Resp: 59621

Ion Ratio Lower Upper

248 100

250 97.6 77.1 115.7

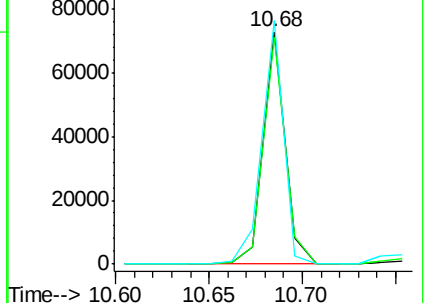
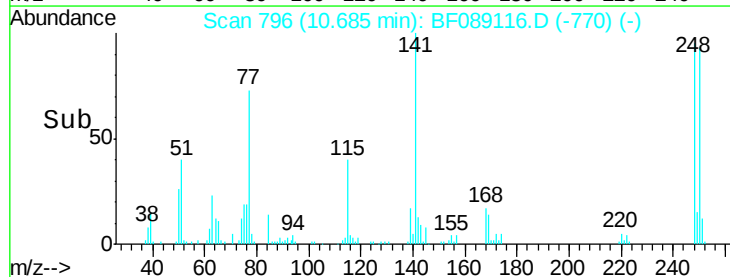
141 104.9 50.6 76.0#



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

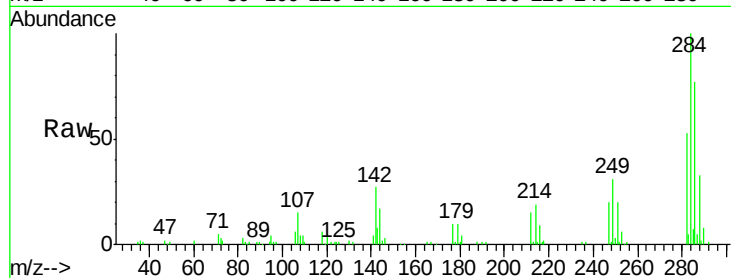




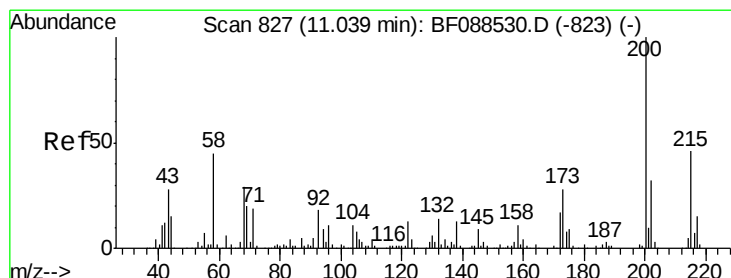
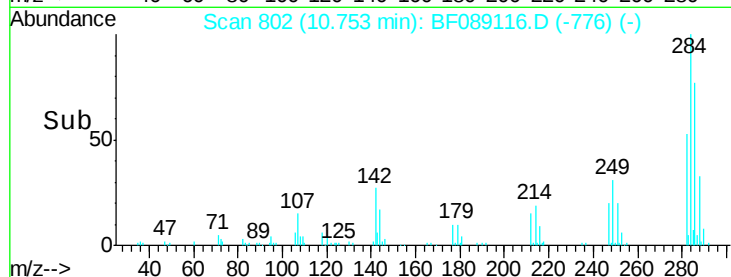
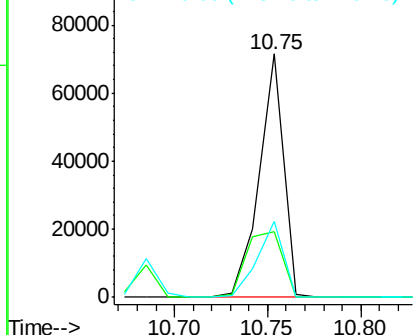
#67
Hexachlorobenzene
Concen: 36.96 ng
RT: 10.75 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Instrument :
BNA_F
ClientSampleId :
PB92230BS

Tgt Ion:284 Resp: 64081
Ion Ratio Lower Upper
284 100
142 26.9 35.8 53.8#
249 31.1 25.8 38.6

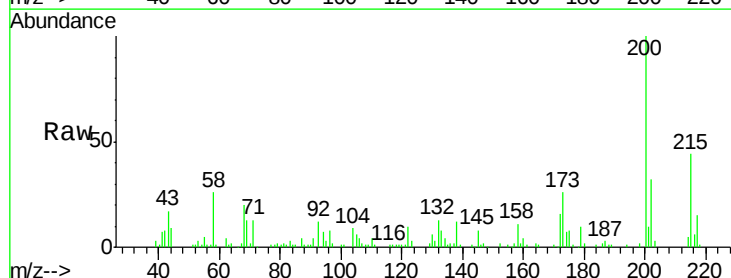


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

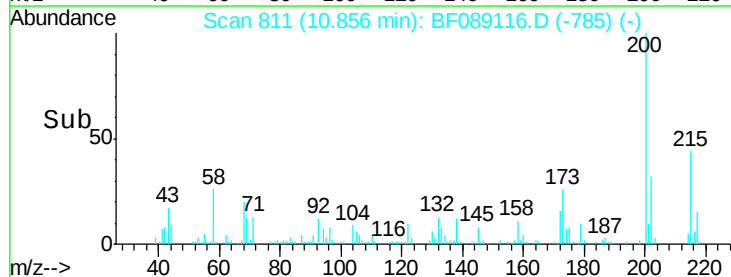
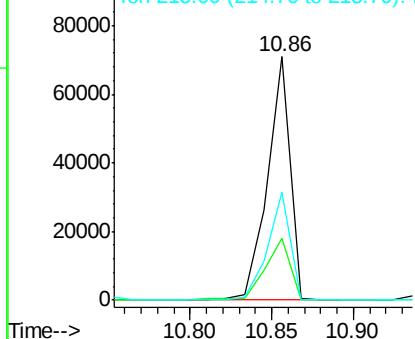


#68
Atrazine
Concen: 41.79 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF089116.D
Acq: 19 Jul 2016 14:13

Tgt Ion:200 Resp: 68498
Ion Ratio Lower Upper
200 100
173 25.6 4.0 44.0
215 44.3 29.3 69.3



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: 47.00 ng

RT: 10.95 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

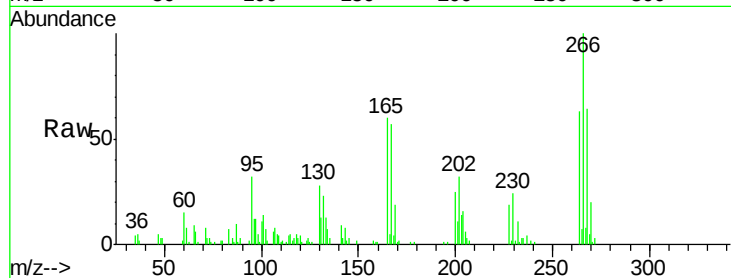
Tgt Ion:266 Resp: 48227

Ion Ratio Lower Upper

266 100

268 64.5 52.8 79.2

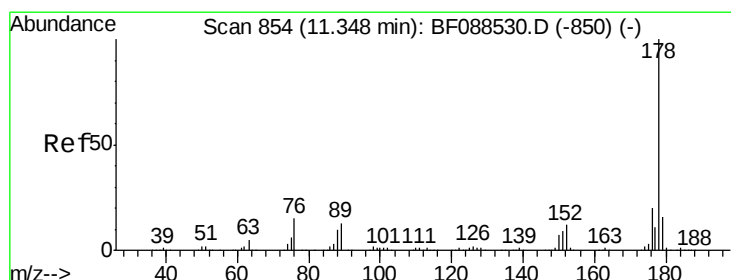
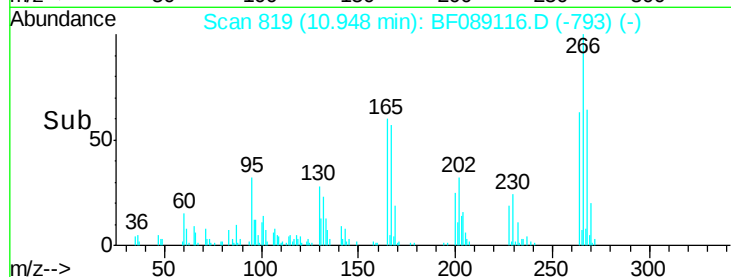
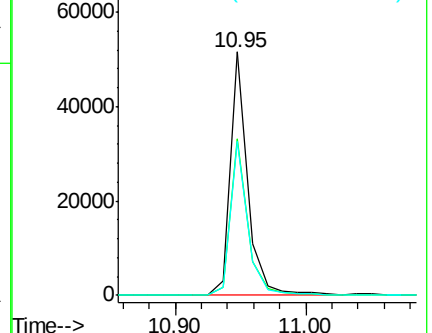
264 63.1 49.6 74.4



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: 34.78 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

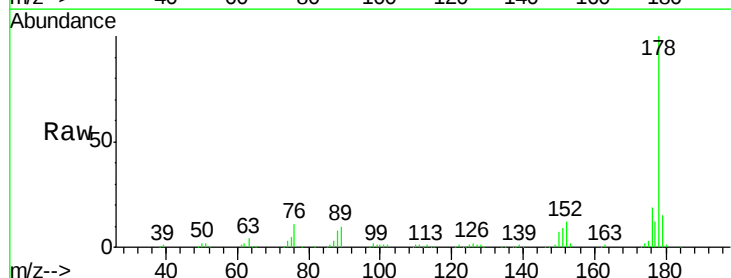
Tgt Ion:178 Resp: 295470

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

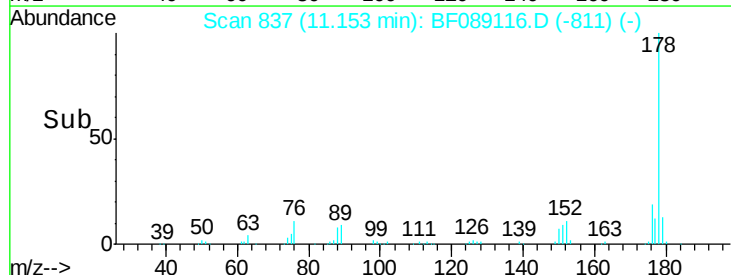
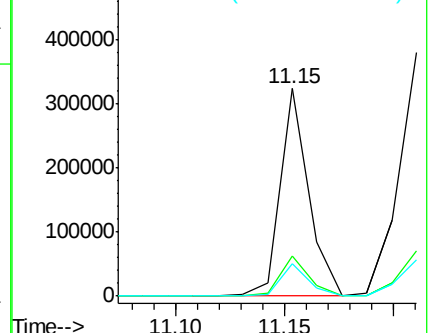
179 15.4 13.0 19.4

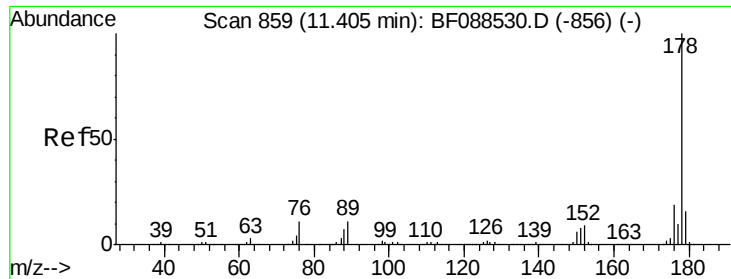


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

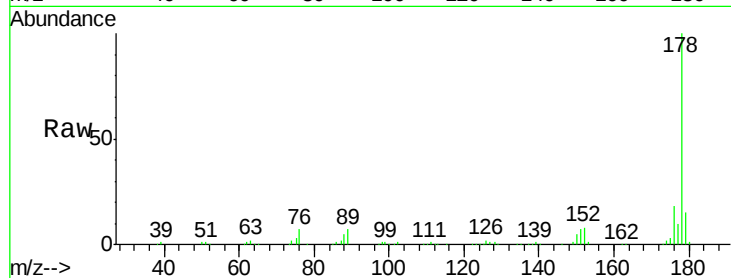




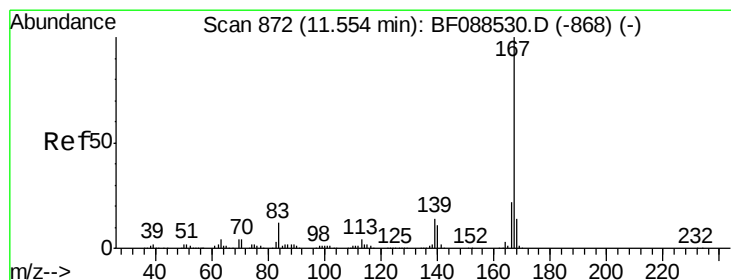
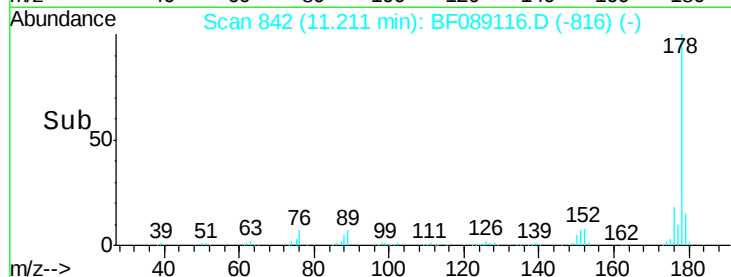
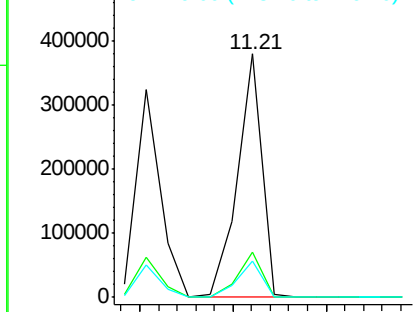
#71
 Anthracene
 Concen: 41.16 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion:178 Resp: 347720
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 15.2 12.8 19.2

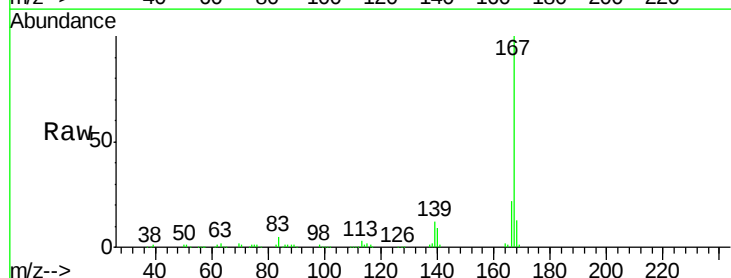


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

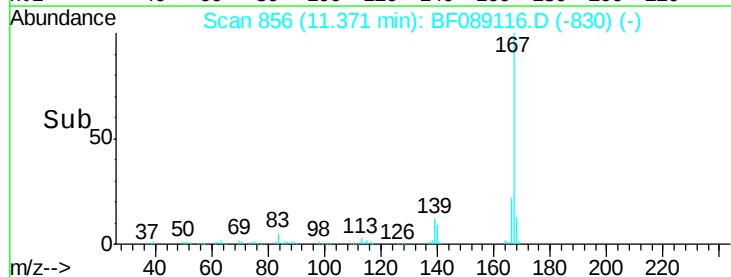
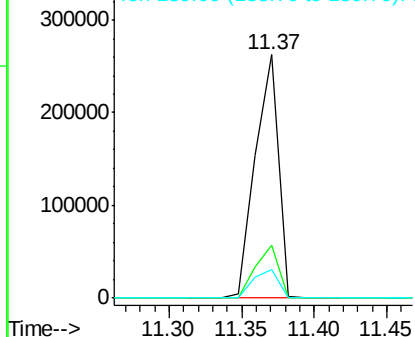


#72
 Carbazole
 Concen: 36.55 ng
 RT: 11.37 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion:167 Resp: 290639
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.6
 139 11.8 11.2 16.8



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: 41.67 ng

RT: 11.71 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

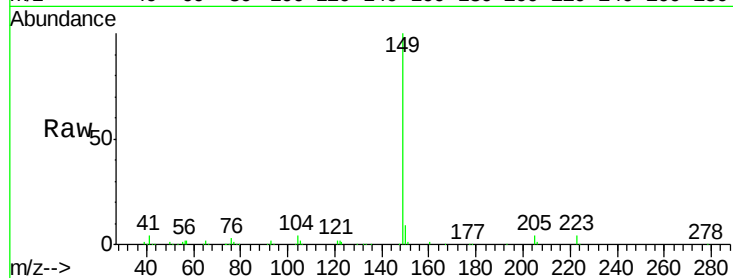
Tgt Ion:149 Resp: 385411

Ion Ratio Lower Upper

149 100

150 8.7 7.8 11.6

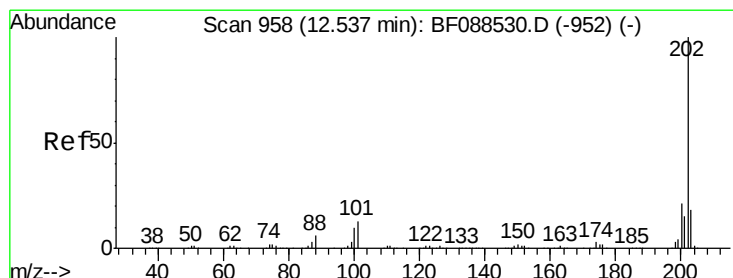
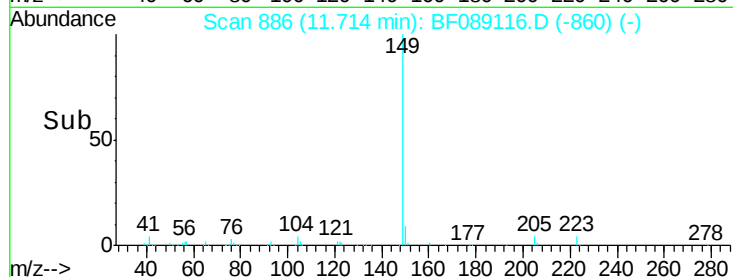
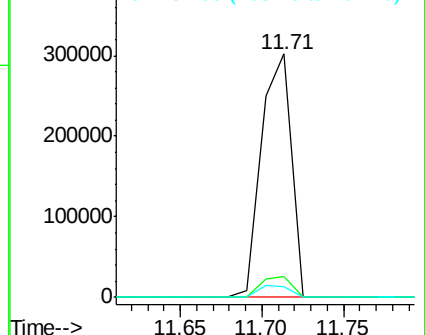
104 4.2 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 31.27 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

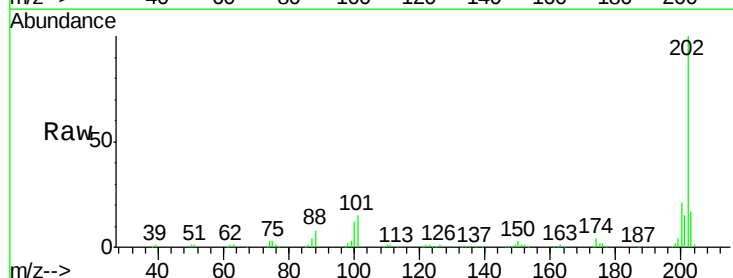
Tgt Ion:202 Resp: 269338

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.1

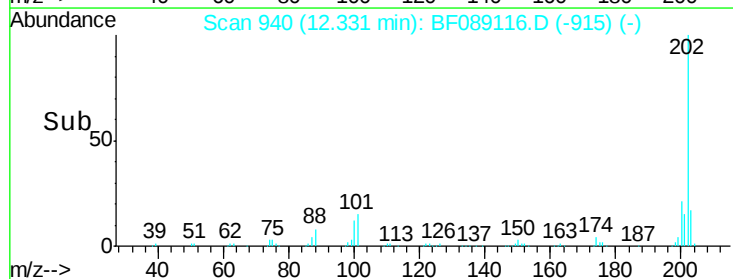
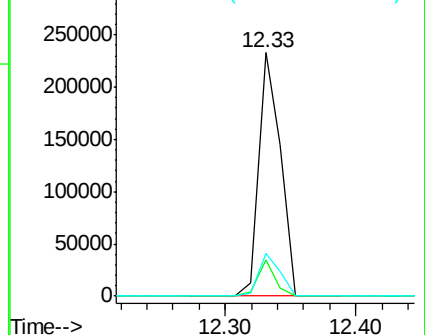
203 17.4 0.0 38.1

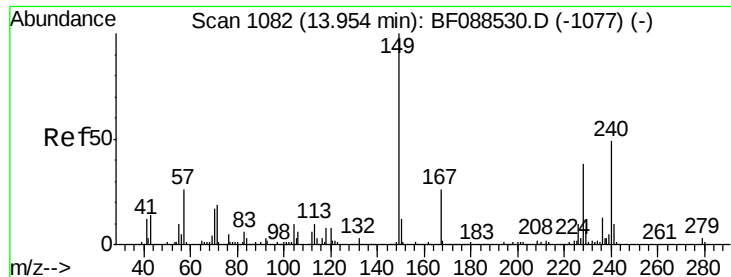


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

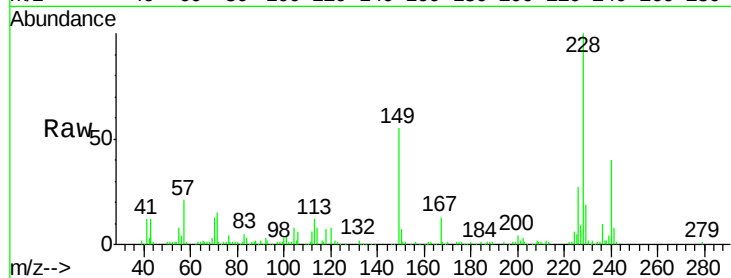
Tgt Ion:240 Resp: 88679

Ion Ratio Lower Upper

240 100

120 20.4 6.8 10.2#

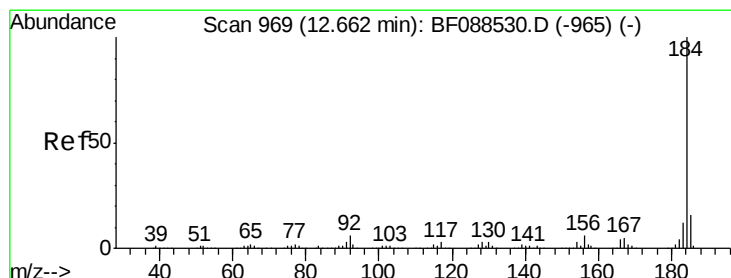
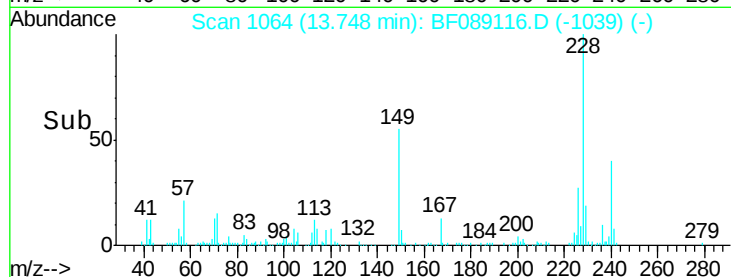
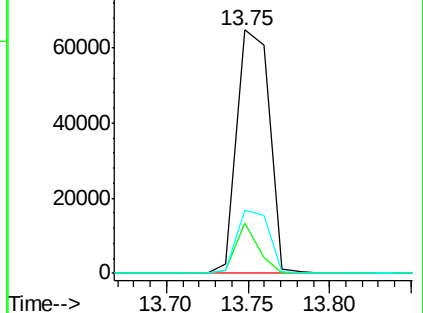
236 26.0 20.2 30.2



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: 28.82 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

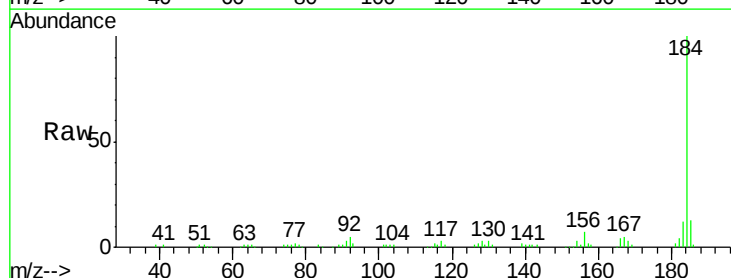
Tgt Ion:184 Resp: 129190

Ion Ratio Lower Upper

184 100

185 13.2 12.5 18.7

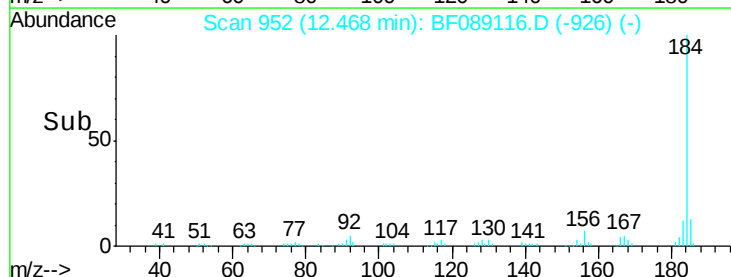
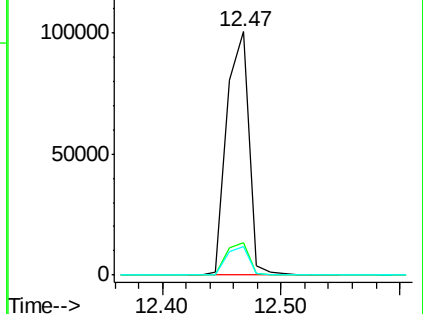
183 11.8 9.3 13.9

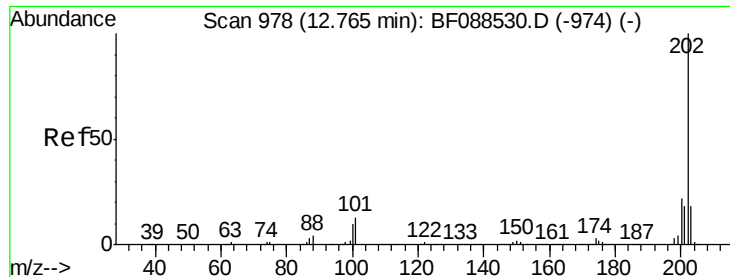


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 36.28 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

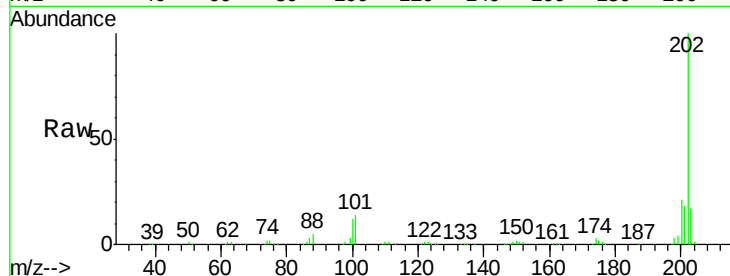
Tgt Ion:202 Resp: 272808

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

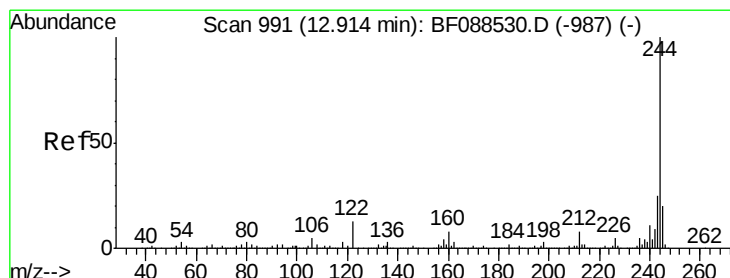
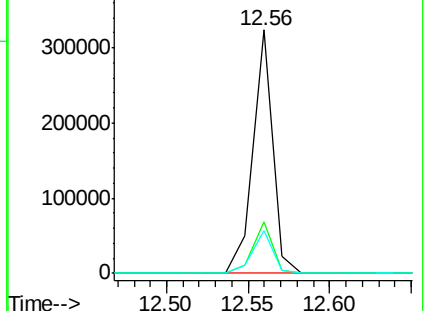
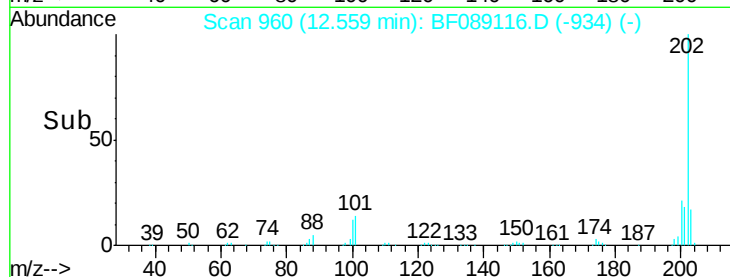
203 17.3 14.5 21.7



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: 82.30 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

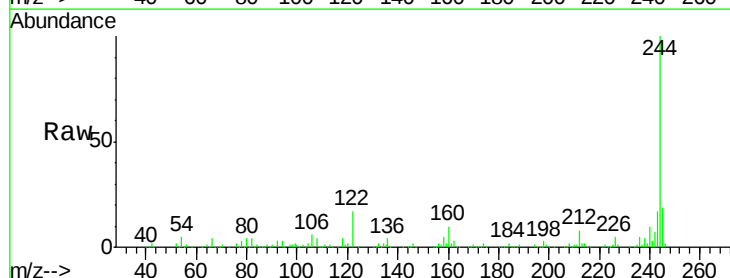
Tgt Ion:244 Resp: 327689

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

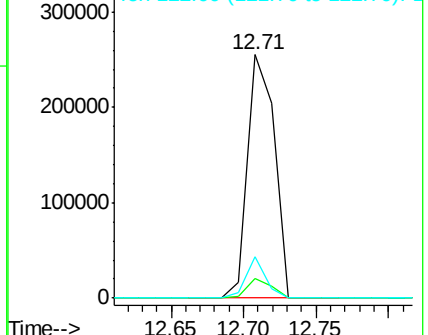
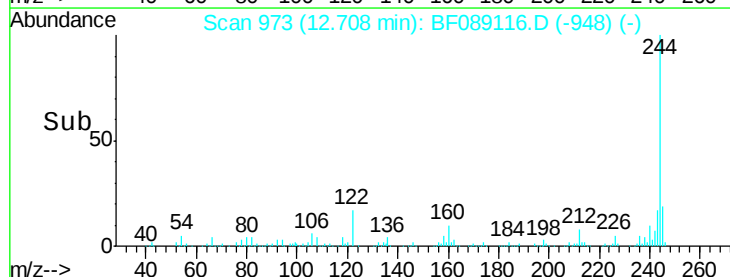
122 16.9 11.2 16.8#



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: 38.05 ng

RT: 13.19 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

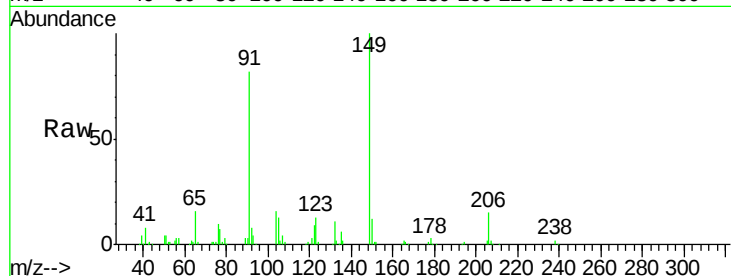
Tgt Ion:149 Resp: 127621

Ion Ratio Lower Upper

149 100

91 82.4 48.0 72.0#

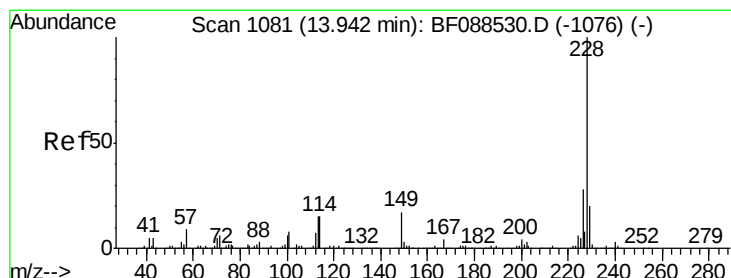
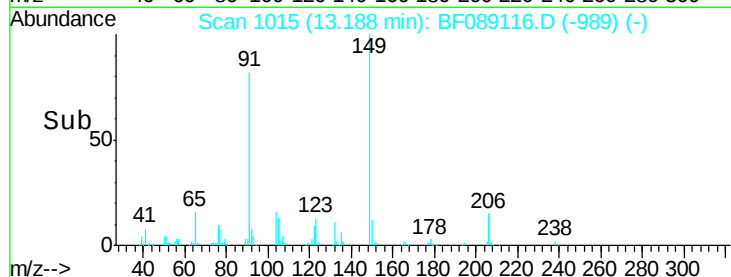
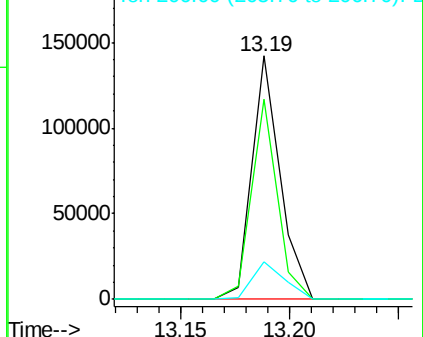
206 15.2 16.0 24.0#



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: 38.65 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

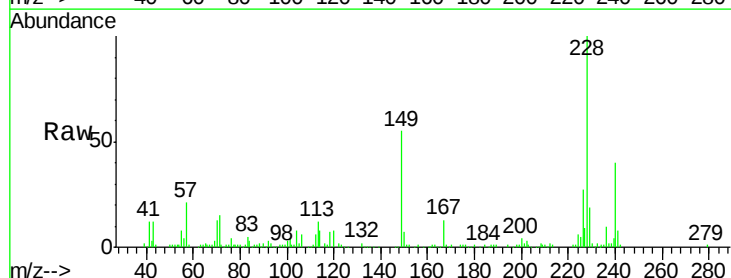
Tgt Ion:228 Resp: 220674

Ion Ratio Lower Upper

228 100

226 26.9 22.3 33.5

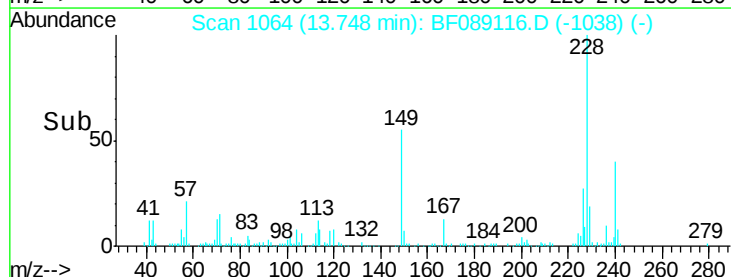
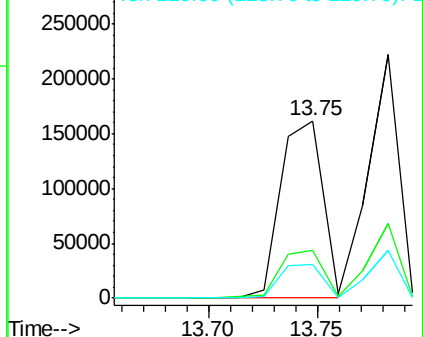
229 19.3 16.0 24.0

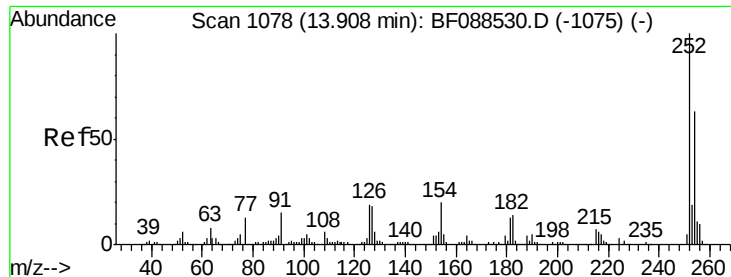


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

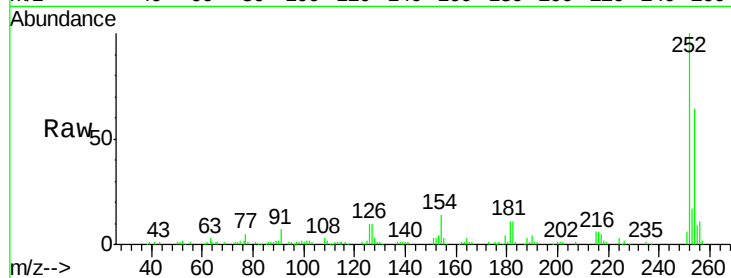




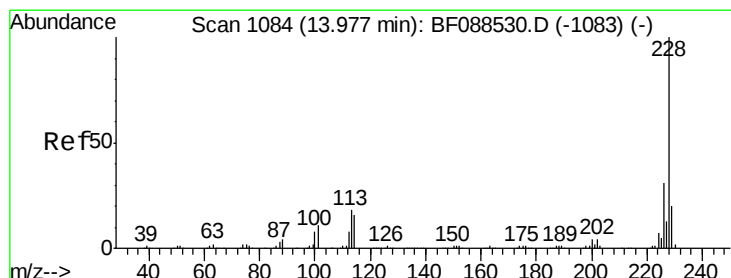
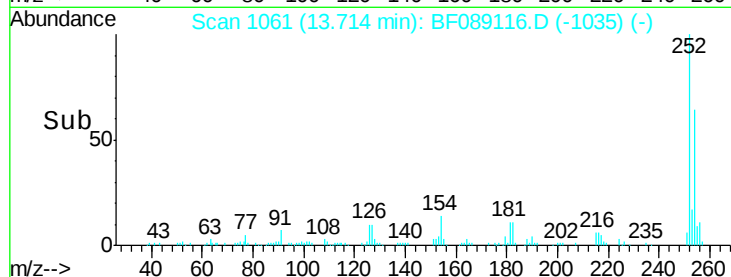
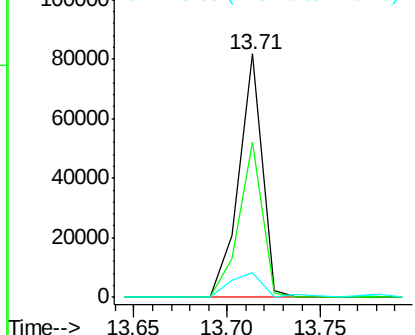
#81
 3,3'-Dichlorobenzidine
 Concen: 33.59 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion: 252 Resp: 72113
 Ion Ratio Lower Upper
 252 100
 254 63.9 52.6 78.8
 126 9.9 6.2 9.2#

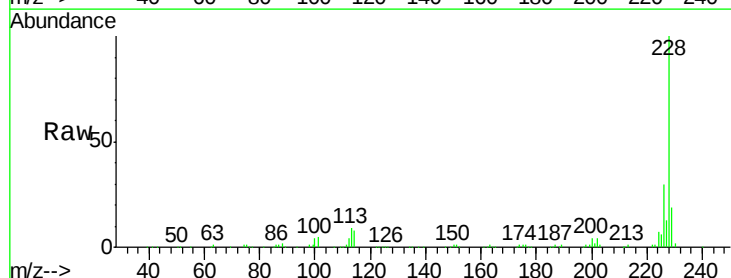


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

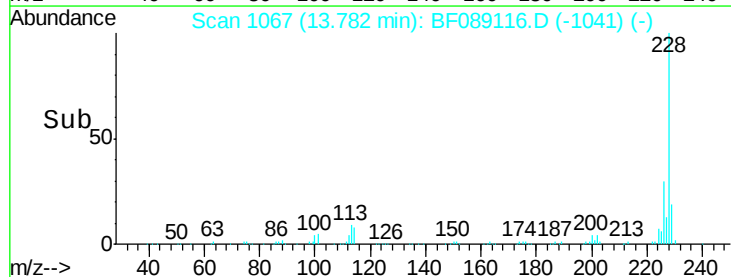
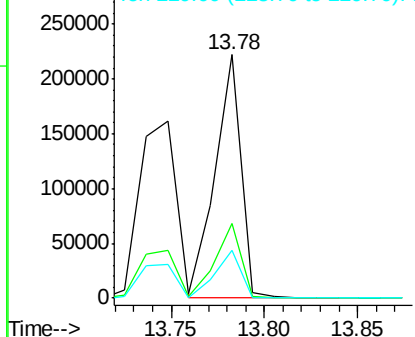


#82
 Chrysene
 Concen: 37.92 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion: 228 Resp: 214240
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.4 38.2
 229 19.5 16.3 24.5



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: 47.17 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

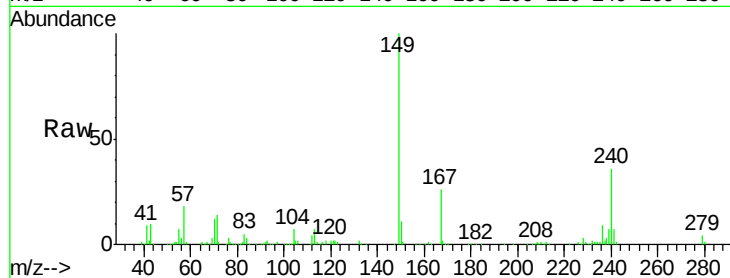
Tgt Ion:149 Resp: 180617

Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

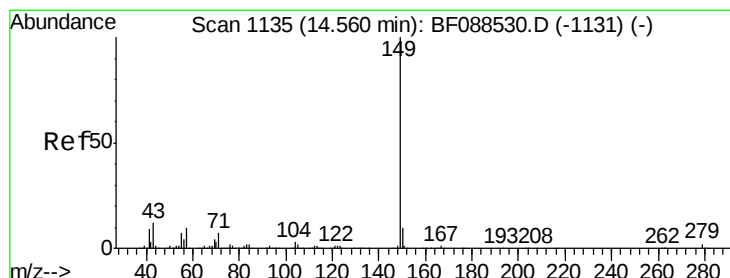
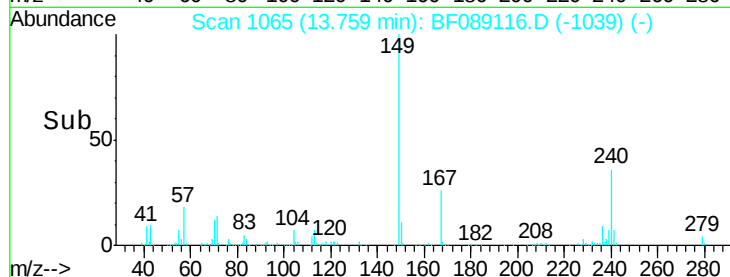
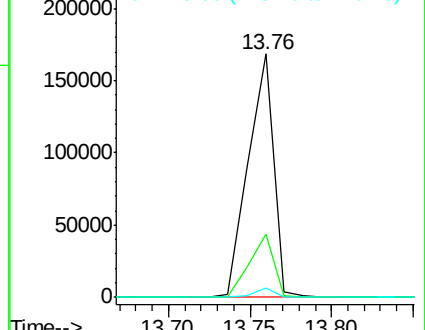
279 3.8 2.0 3.0#



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: 47.29 ng

RT: 14.37 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

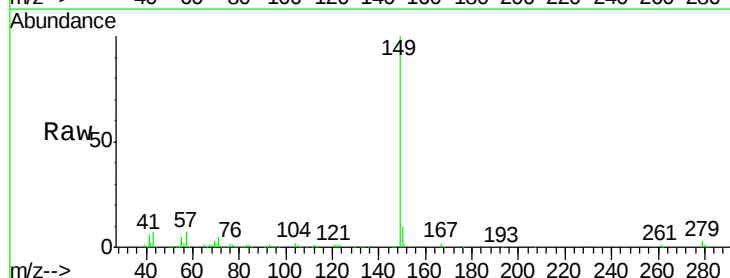
Tgt Ion:149 Resp: 307645

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

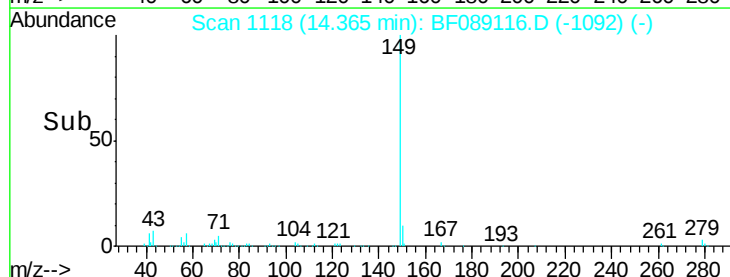
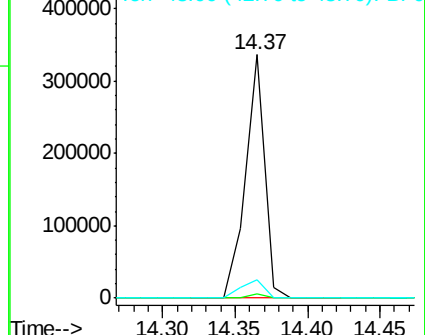
43 9.1 0.0 0.0#

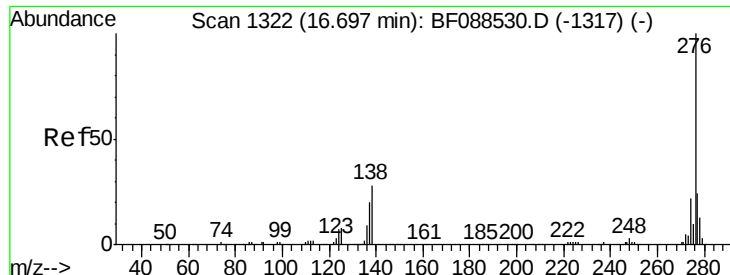


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

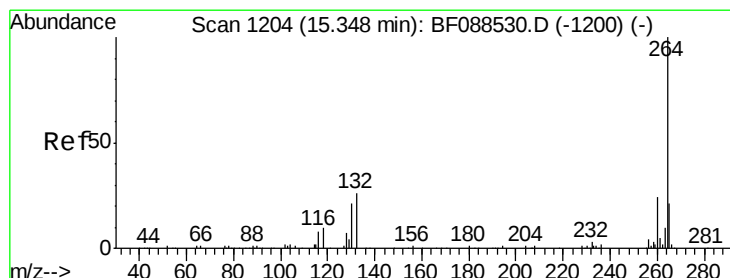
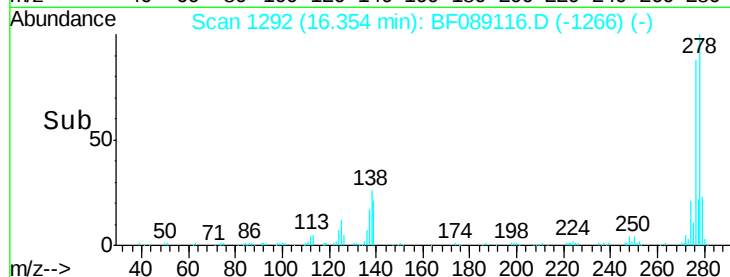
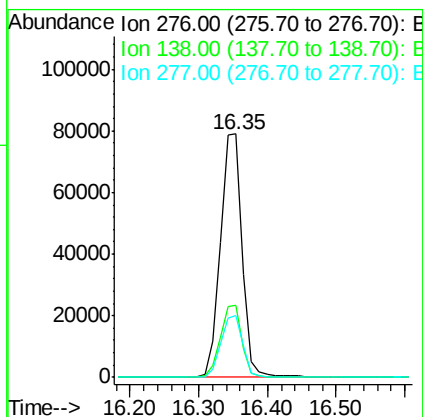
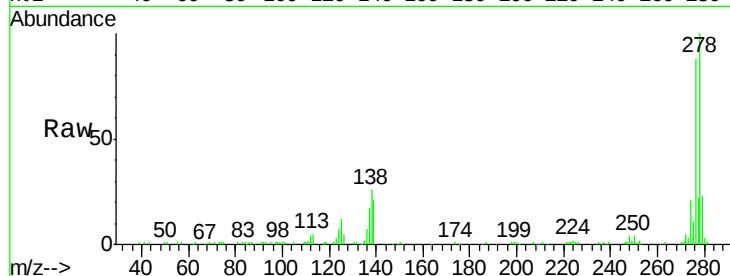




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.76 ng
 RT: 16.35 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

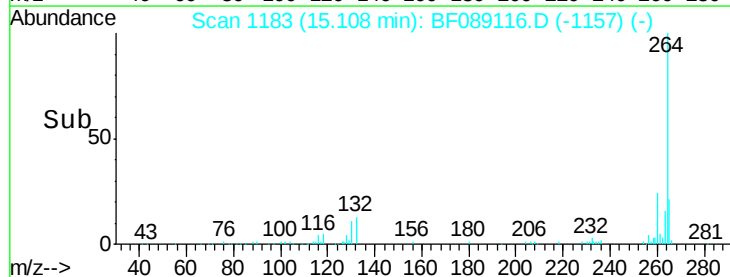
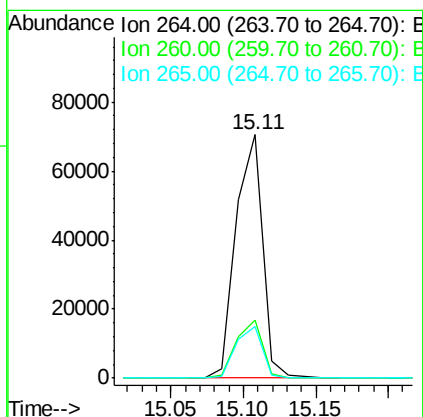
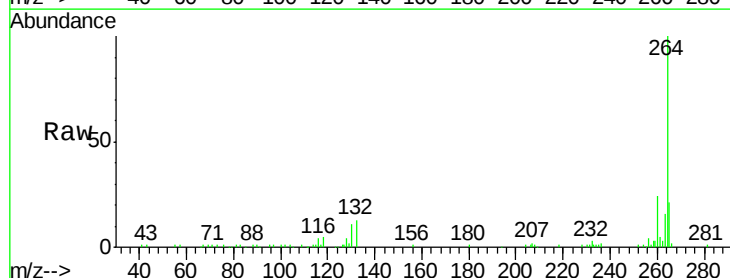
Instrument :
 BNA_F
 ClientSampleId :
 PB92230BS

Tgt Ion: 276 Resp: 177162
 Ion Ratio Lower Upper
 276 100
 138 29.0 0.0 0.0#
 277 25.4 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF089116.D
 Acq: 19 Jul 2016 14:13

Tgt Ion: 264 Resp: 89829
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.1 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 71.22 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampled :

PB92230BS

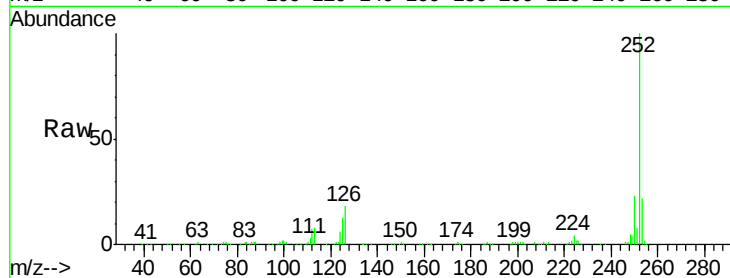
Tgt Ion:252 Resp: 401303

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

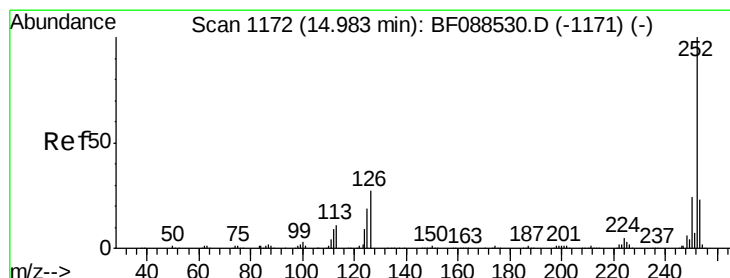
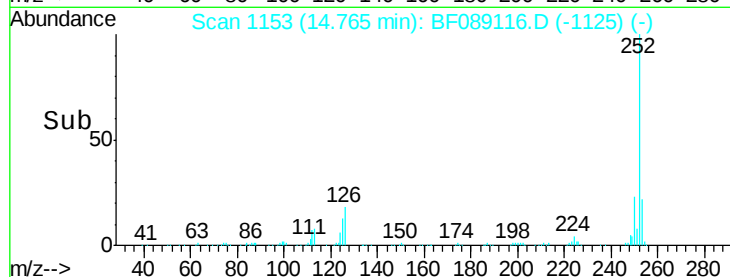
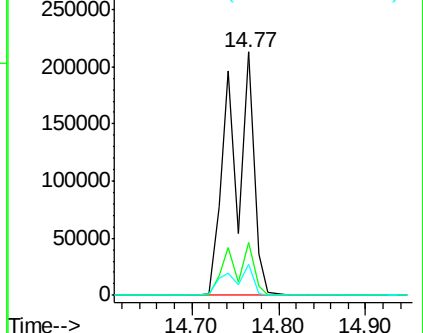
125 12.7 7.1 10.7#



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: 81.81 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

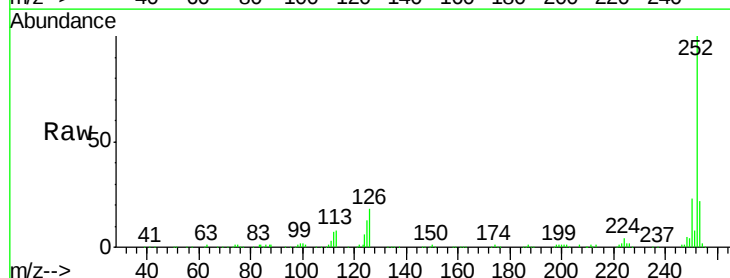
Tgt Ion:252 Resp: 401303

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

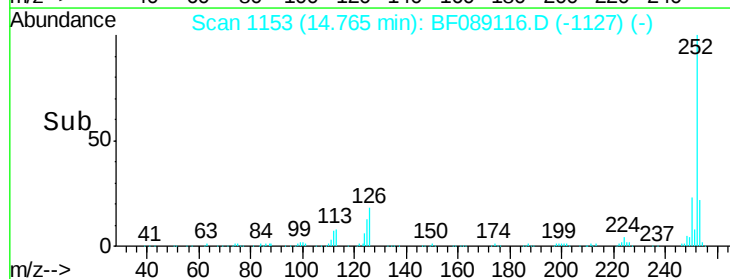
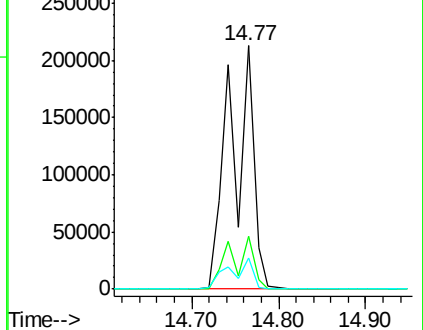
125 12.7 11.2 16.8

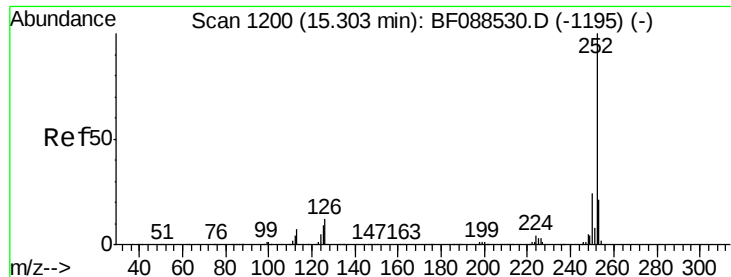


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.01 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

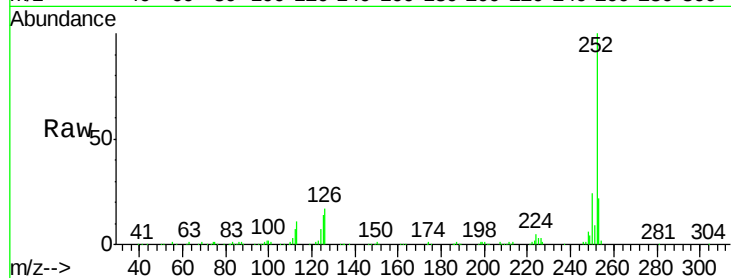
Tgt Ion:252 Resp: 186098

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

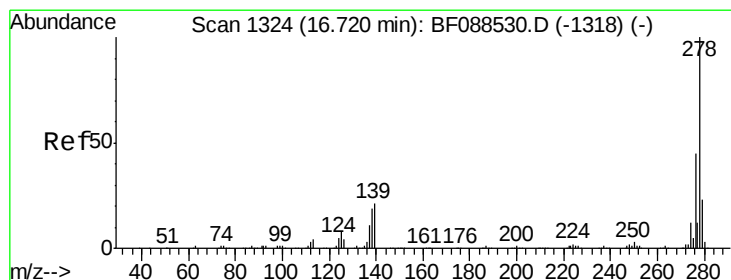
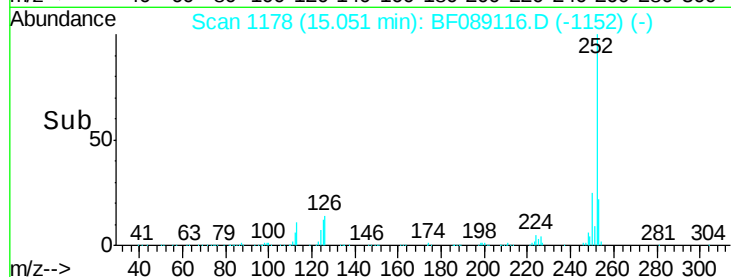
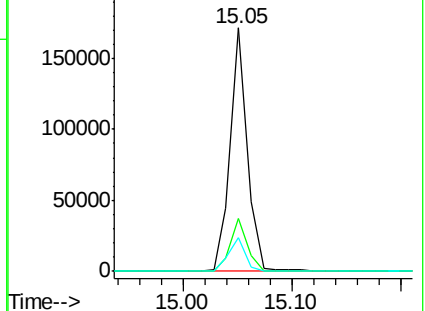
125 13.8 12.5 18.7



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



#90

Dibenzo(a,h)anthracene

Concen: 38.09 ng

RT: 16.35 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

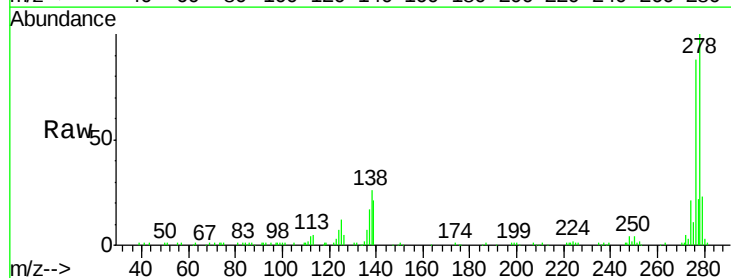
Tgt Ion:278 Resp: 151742

Ion Ratio Lower Upper

278 100

139 21.4 15.7 23.5

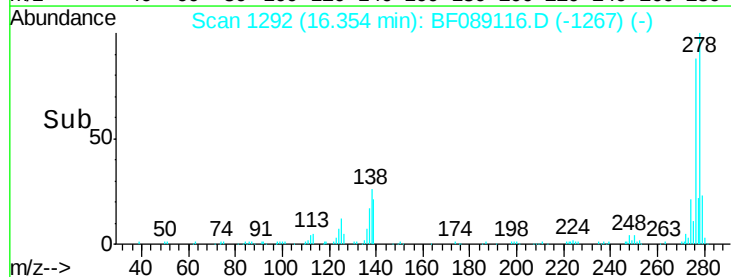
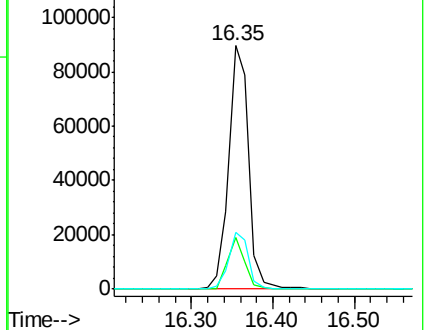
279 23.2 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 32.87 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF089116.D

Acq: 19 Jul 2016 14:13

Instrument :

BNA_F

ClientSampleId :

PB92230BS

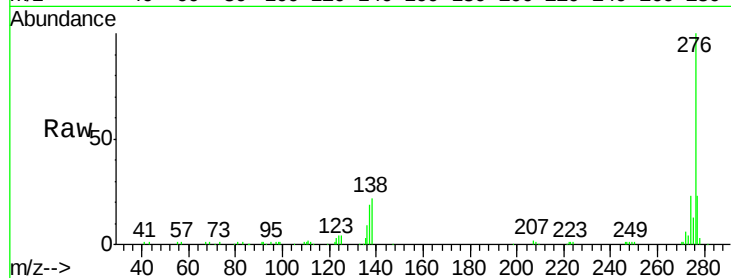
Tgt Ion: 276 Resp: 135502

Ion Ratio Lower Upper

276 100

277 22.7 18.9 28.3

138 22.3 21.4 32.2



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

