

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089895.D
 Acq On : 25 Aug 2016 2:00
 Operator : UM/SJ
 Sample : H4576-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Quant Time: Aug 25 12:24:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	407126	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	1620492	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	796961	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1511700	20.00	ng	0.00
75) Chrysene-d12	13.85	240	1209569	20.00	ng	-0.02
86) Perylene-d12	15.33	264	983040	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	3371840	142.03	ng	-0.01
7) Phenol-d6	6.32	99	4168544	143.04	ng	0.00
23) Nitrobenzene-d5	7.23	82	2553382	97.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	1045891	138.09	ng	0.00
44) 2-Fluorobiphenyl	9.04	172	3596520	79.31	ng	-0.01
78) Terphenyl-d14	12.78	244	3216243	60.15	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.18	88	450151	38.31	ng	97
3) Pyridine	2.81	79	1292257	41.94	ng	92
4) n-Nitrosodimethylamine	2.78	42	558481	48.68	ng	# 86
6) Aniline	6.33	93	1303680	33.35	ng	# 17
8) 2-Chlorophenol	6.46	128	1330557	46.87	ng	# 79
9) Benzaldehyde	6.20	77	285381	15.03	ng	85
10) Phenol	6.33	94	1854443	54.29	ng	92
11) bis(2-Chloroethyl)ether	6.41	93	1166168	44.03	ng	100
12) 1,3-Dichlorobenzene	6.60	146	1257152	42.36	ng	98
13) 1,4-Dichlorobenzene	6.68	146	1352950	44.35	ng	99
14) 1,2-Dichlorobenzene	6.84	146	1257240	44.15	ng	98
15) Benzyl Alcohol	6.82	79	1013848	52.46	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1365258	40.28	ng	94
17) 2-Methylphenol	6.94	107	1021504	45.94	ng	96
18) Hexachloroethane	7.19	117	490951	45.12	ng	91
19) n-Nitroso-di-n-propylamine	7.10	70	788523	42.31	ng	# 88
20) 3+4-Methylphenols	7.10	107	1363663	50.02	ng	# 52
22) Acetophenone	7.08	105	1490957	40.07	ng	# 88
24) Nitrobenzene	7.26	77	1238884	42.33	ng	96
25) Isophorone	7.50	82	2348192	44.64	ng	98
26) 2-Nitrophenol	7.58	139	781732	53.54	ng	97
27) 2,4-Dimethylphenol	7.62	122	1157652	43.99	ng	97
28) bis(2-Chloroethoxy)methane	7.72	93	1544002	47.44	ng	# 95
29) 2,4-Dichlorophenol	7.82	162	1077820	48.81	ng	95
30) 1,2,4-Trichlorobenzene	7.90	180	1043305	42.71	ng	98
31) Naphthalene	7.98	128	3238426	42.76	ng	98
32) Benzoic acid	7.70	122	164025	8.00	ng	95
33) 4-Chloroaniline	8.03	127	684264	20.84	ng	98
34) Hexachlorobutadiene	8.10	225	533674	41.73	ng	100
35) Caprolactam	8.40	113	309089	45.97	ng	94
36) 4-Chloro-3-methylphenol	8.52	107	1171904	49.00	ng	99
37) 2-Methylnaphthalene	8.67	142	2457721	50.16	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	771932	29.91	ng	97
40) Hexachlorocyclopentadiene	8.83	237	949223	105.94	ng	98

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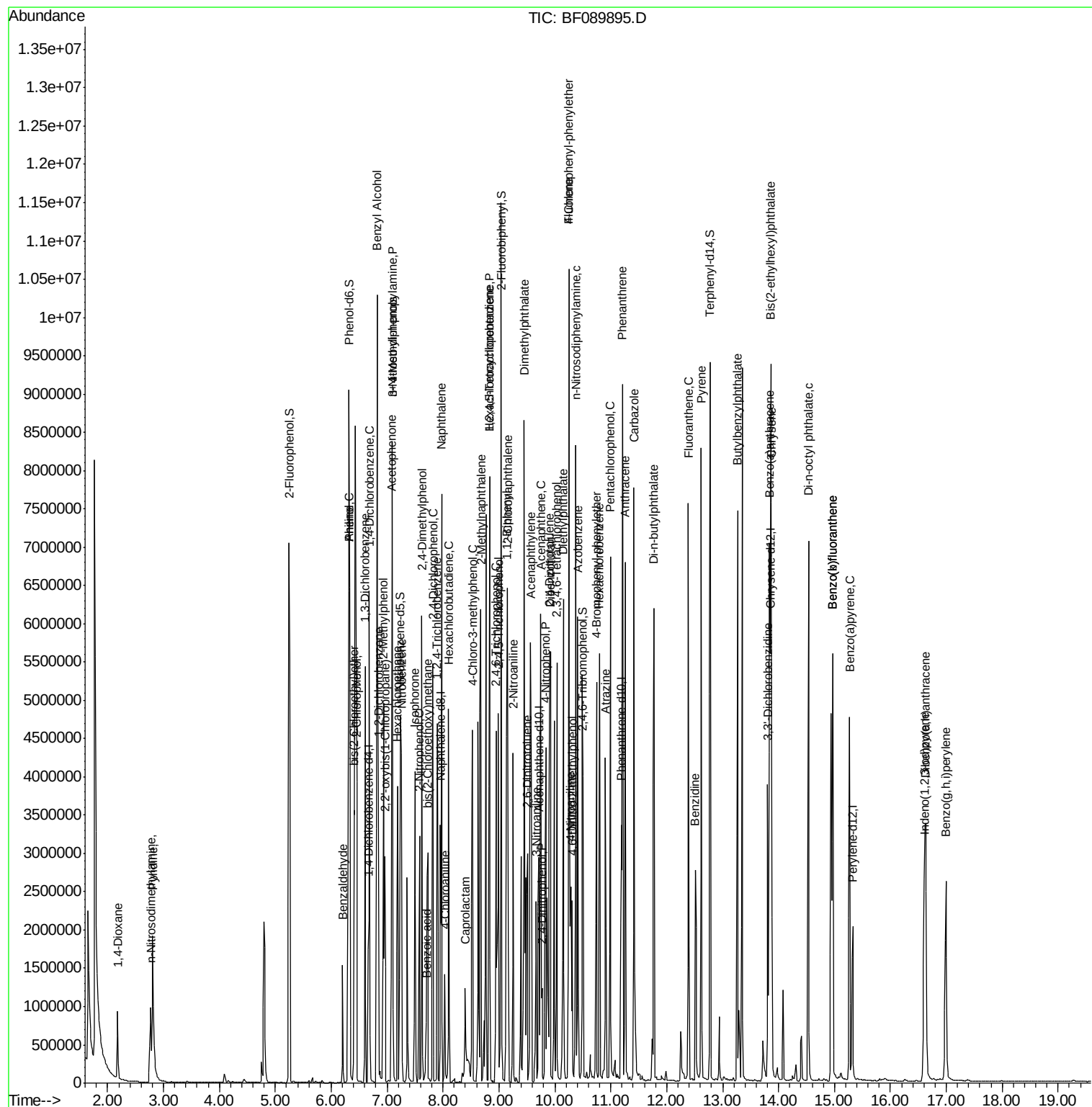
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	710514	43.76	ng	99
43) 2,4,5-Trichlorophenol	8.99	196	758315	46.96	ng	99
45) 1,1'-Biphenyl	9.14	154	2569050	41.66	ng	94
46) 2-Chloronaphthalene	9.15	162	2038057	41.80	ng	99
47) 2-Nitroaniline	9.26	65	752052	54.09	ng	# 82
48) Acenaphthylene	9.56	152	3363976	45.92	ng	99
49) Dimethylphthalate	9.45	163	3923984	69.93	ng	97
50) 2,6-Dinitrotoluene	9.51	165	649481	50.13	ng	# 73
51) Acenaphthene	9.75	154	2294314	47.32	ng	99
52) 3-Nitroaniline	9.67	138	535949	37.34	ng	80
53) 2,4-Dinitrophenol	9.77	184	259011	43.02	ng	# 73
54) Dibenzofuran	9.92	168	3202999	52.60	ng	# 89
55) 4-Nitrophenol	9.84	139	1167926	99.69	ng	94
56) 2,4-Dinitrotoluene	9.91	165	792319	47.13	ng	91
57) Fluorene	10.25	166	2173908	44.79	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	605444	51.52	ng	98
59) Diethylphthalate	10.15	149	2521394	44.23	ng	98
60) 4-Chlorophenyl-phenylether	10.25	204	915853	41.37	ng	95
61) 4-Nitroaniline	10.28	138	738608	54.89	ng	90
62) Azobenzene	10.41	77	2570044	47.95	ng	95
64) 4,6-Dinitro-2-methylphenol	10.31	198	357889	41.20	ng	# 79
65) n-Nitrosodiphenylamine	10.38	169	2260034	47.55	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	688533	43.44	ng	# 83
67) Hexachlorobenzene	10.80	284	708070	39.16	ng	# 82
68) Atrazine	10.90	200	672821	46.22	ng	96
69) Pentachlorophenol	10.99	266	759421	74.10	ng	98
70) Phenanthrene	11.21	178	3337910	43.72	ng	96
71) Anthracene	11.26	178	3445672	44.40	ng	99
72) Carbazole	11.42	167	3086439	44.34	ng	98
73) Di-n-butylphthalate	11.77	149	4174995	47.94	ng	# 98
74) Fluoranthene	12.39	202	3121457	42.98	ng	93
76) Benzidine	12.51	184	1432367	36.59	ng	97
77) Pyrene	12.62	202	3243340	32.93	ng	96
79) Butylbenzylphthalate	13.27	149	1971191	44.31	ng	99
80) Benzo(a)anthracene	13.84	228	2930567	42.31	ng	98
81) 3,3'-Dichlorobenzidine	13.81	252	760565	33.49	ng	97
82) Chrysene	13.87	228	2469785	41.59	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	2464929	40.22	ng	# 98
84) Di-n-octyl phthalate	14.54	149	4249904	52.19	ng	95
85) Indeno(1,2,3-cd)pyrene	16.61	276	2469589	32.59	ng	99
87) Benzo(b)fluoranthene	14.97	252	4981221	92.11	ng	# 95
88) Benzo(k)fluoranthene	14.97	252	4985227	101.60	ng	98
89) Benzo(a)pyrene	15.27	252	2205715	43.09	ng	98
90) Dibenzo(a,h)anthracene	16.63	278	2066617	37.20	ng	95
91) Benzo(g,h,i)perylene	16.99	276	2103830	35.96	ng	99

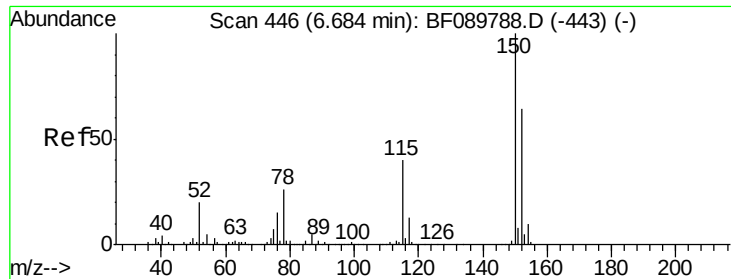
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

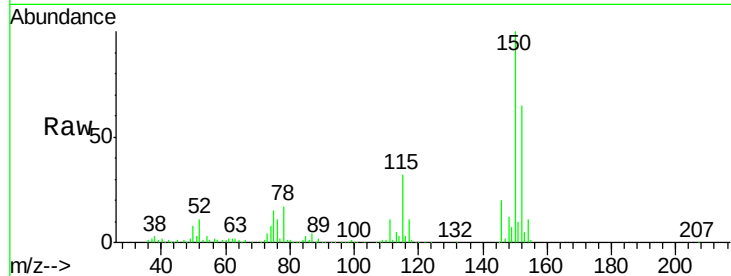
Tgt Ion:152 Resp: 407126

Ion Ratio Lower Upper

152 100

150 154.1 125.3 187.9

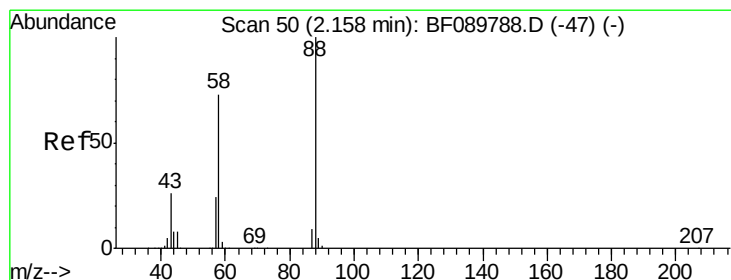
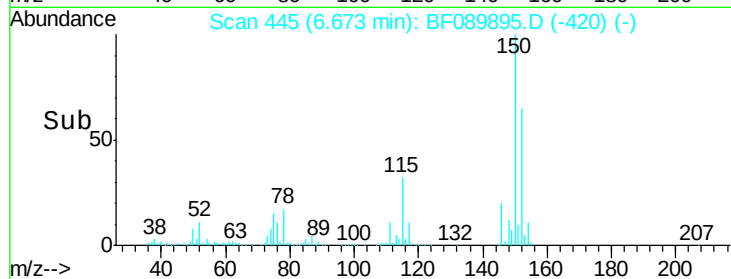
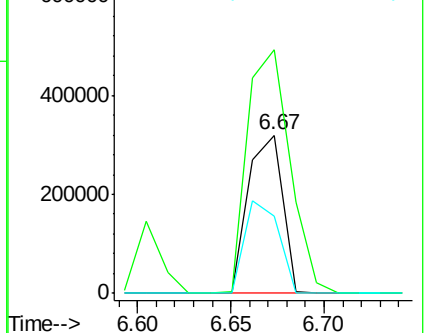
115 49.1 40.9 61.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.31 ng

RT: 2.18 min Scan# 52

Delta R.T. 0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

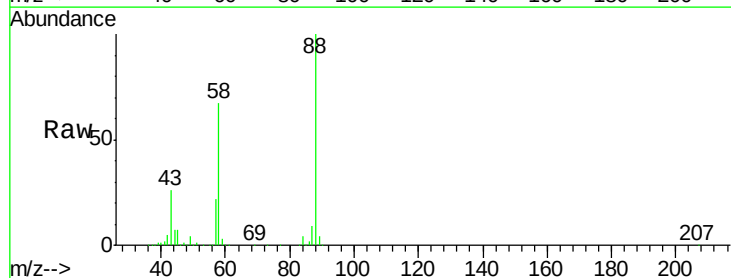
Tgt Ion: 88 Resp: 450151

Ion Ratio Lower Upper

88 100

58 68.3 57.0 85.4

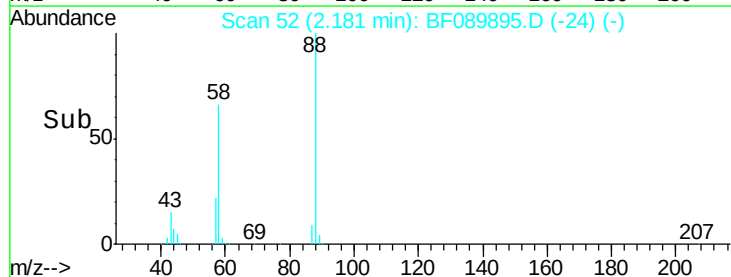
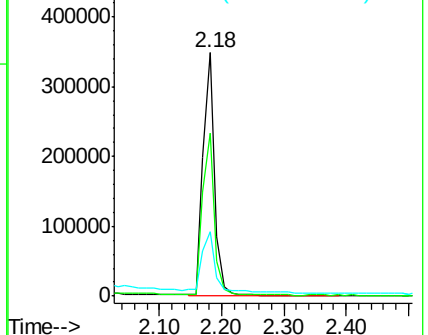
43 27.6 21.8 32.8

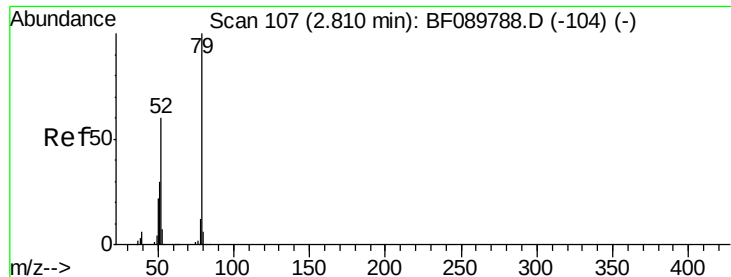


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 41.94 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

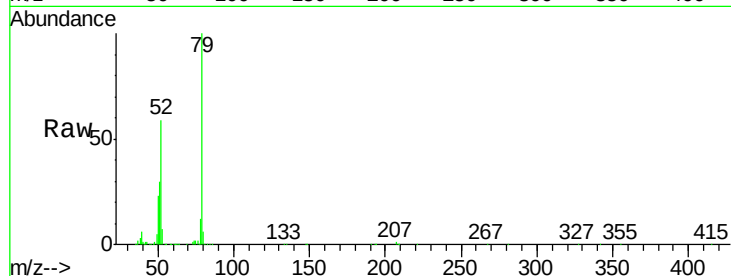
Tgt Ion: 79 Resp: 1292257

Ion Ratio Lower Upper

79 100

52 59.3 53.6 80.4

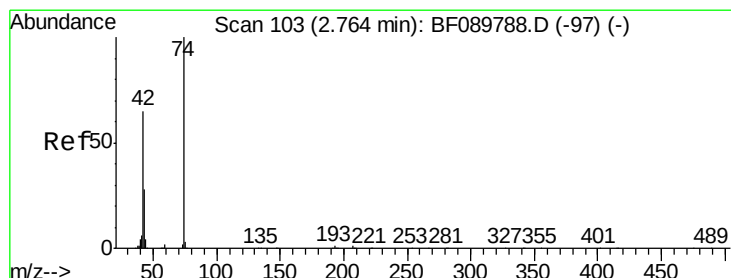
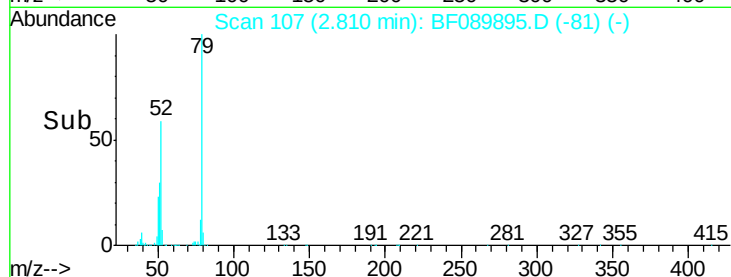
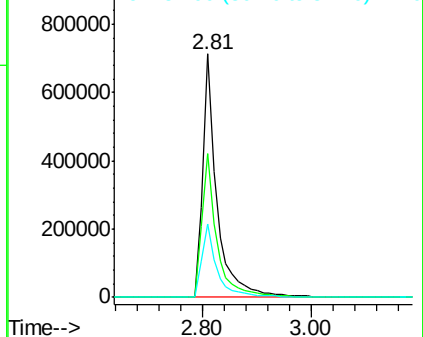
51 30.0 26.6 39.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 48.68 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

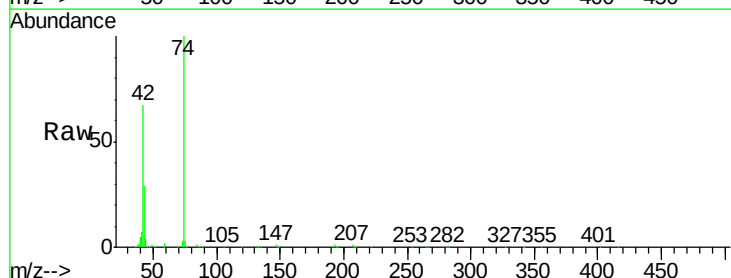
Tgt Ion: 42 Resp: 558481

Ion Ratio Lower Upper

42 100

74 149.9 106.2 159.2

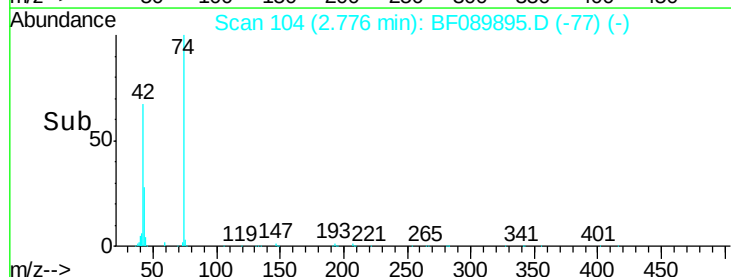
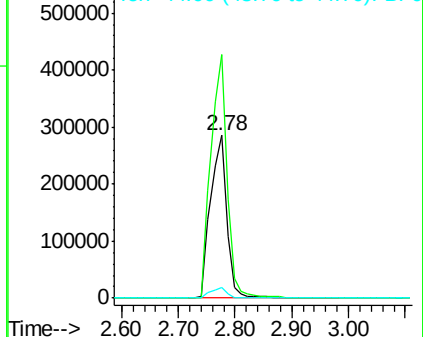
44 6.5 6.9 10.3#

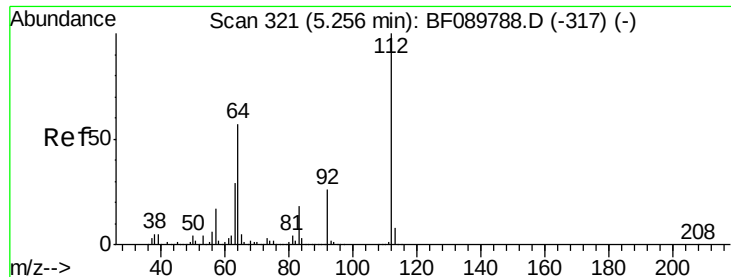


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 142.03 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089895.D

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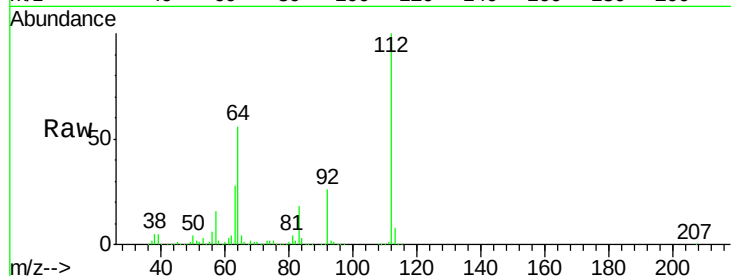
Tgt Ion:112 Resp: 3371840

Ion Ratio Lower Upper

112 100

64 56.0 45.0 67.4

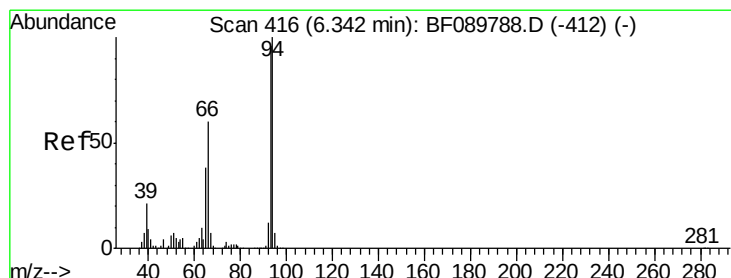
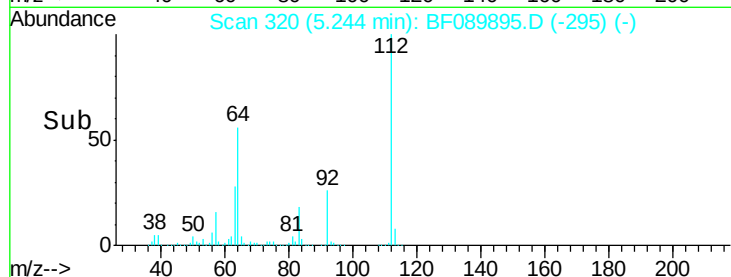
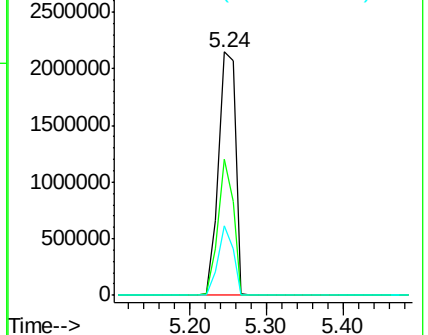
63 28.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 33.35 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

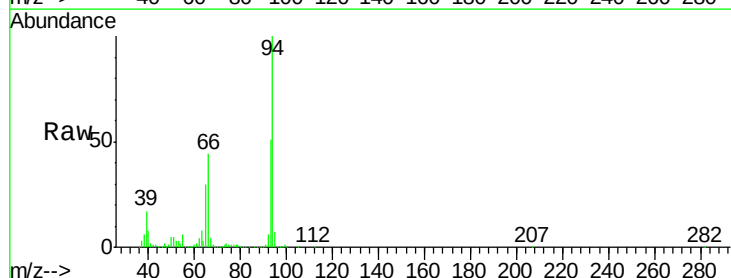
Tgt Ion: 93 Resp: 1303680

Ion Ratio Lower Upper

93 100

66 87.2 30.6 46.0#

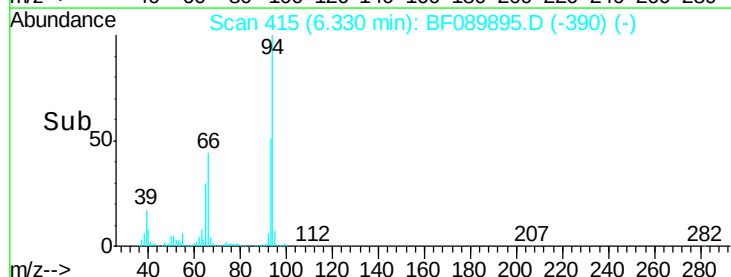
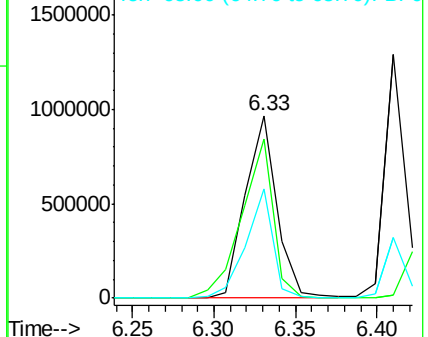
65 59.6 15.4 23.2#

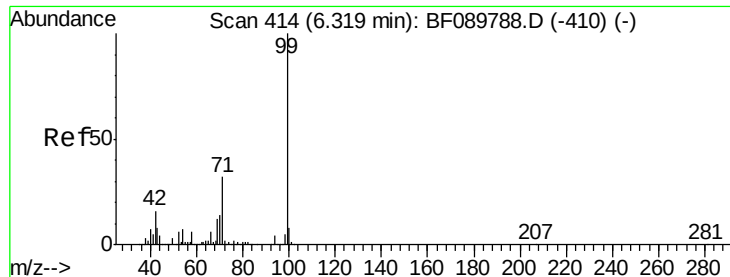


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.04 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

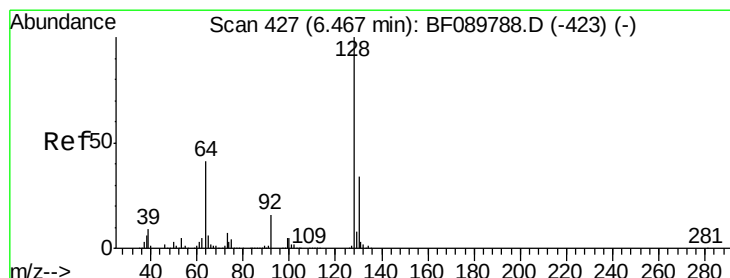
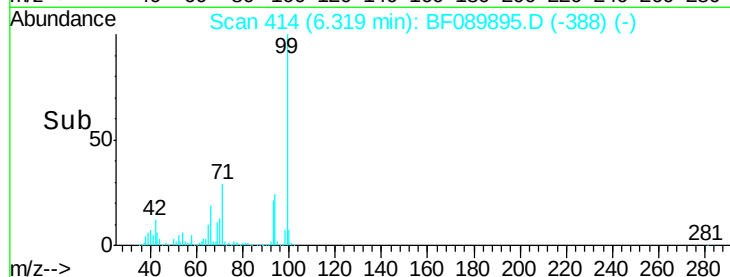
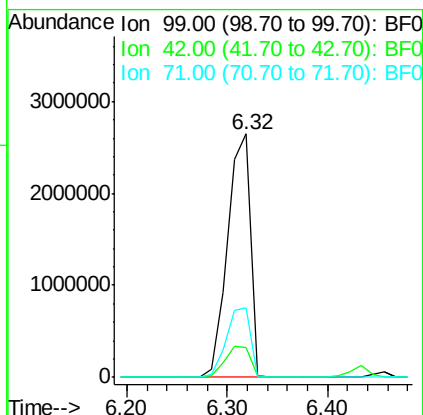
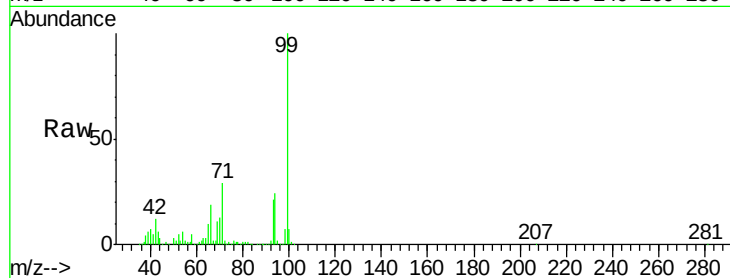
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Tgt Ion: 99 Resp: 4168544

Ion	Ratio	Lower	Upper
99	100		
42	12.1	12.2	18.4#
71	28.5	23.8	35.8



#8

2-Chlorophenol

Concen: 46.87 ng

RT: 6.46 min Scan# 426

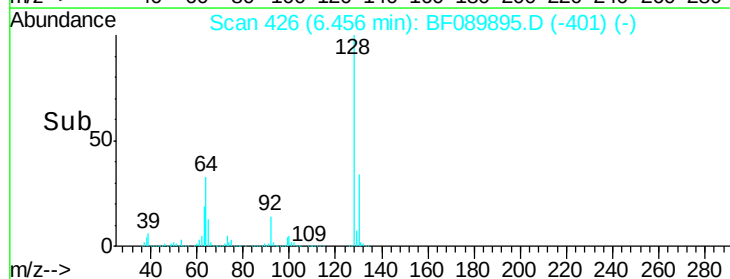
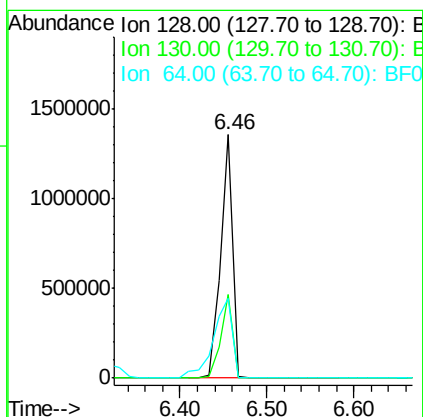
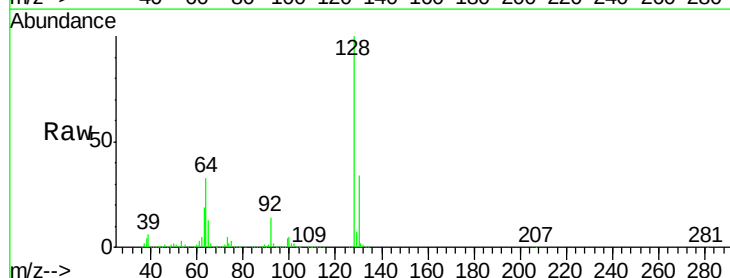
Delta R.T. -0.01 min

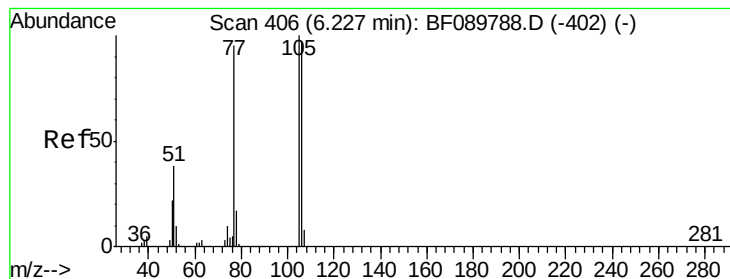
Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion: 128 Resp: 1330557

Ion	Ratio	Lower	Upper
128	100		
130	34.4	12.0	52.0
64	32.6	35.1	75.1#





#9

Benzaldehyde

Concen: 15.03 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089895.D

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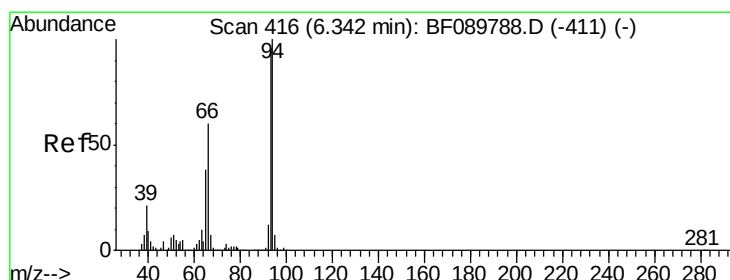
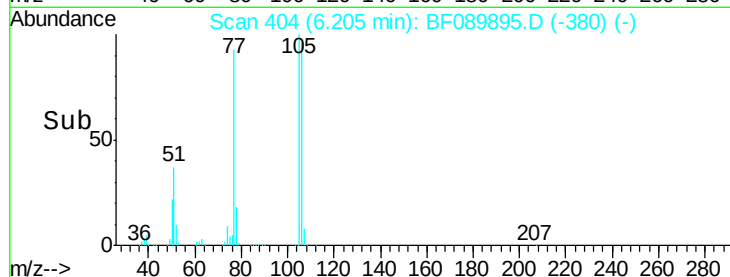
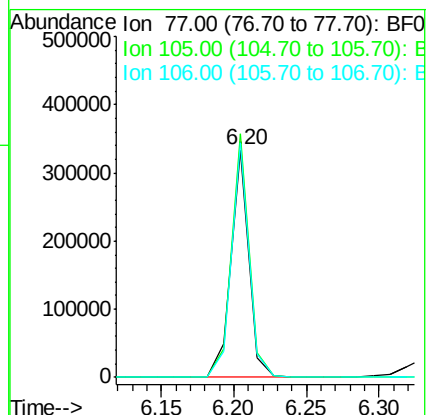
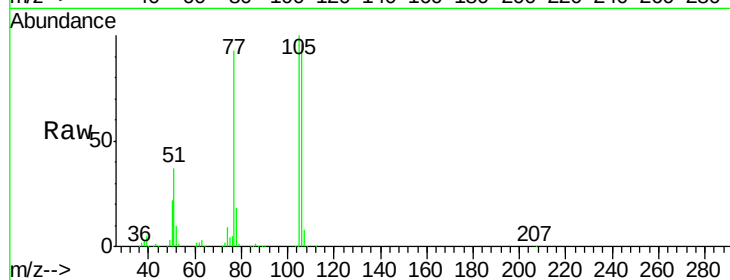
Tgt Ion: 77 Resp: 285381

Ion Ratio Lower Upper

77 100

105 107.2 73.3 113.3

106 103.1 68.6 108.6



#10

Phenol

Concen: 54.29 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

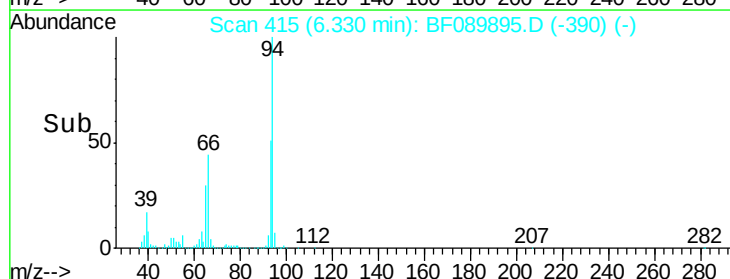
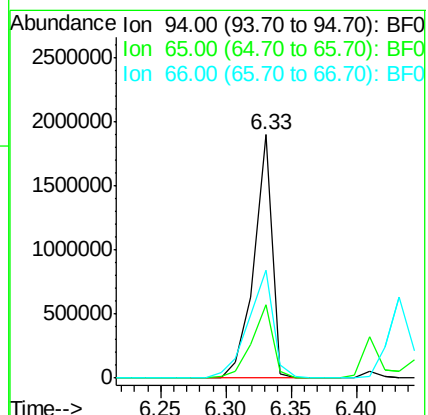
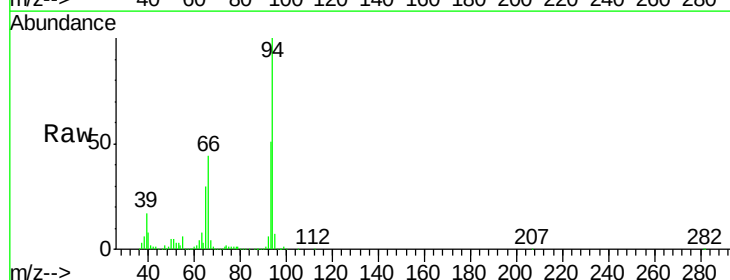
Tgt Ion: 94 Resp: 1854443

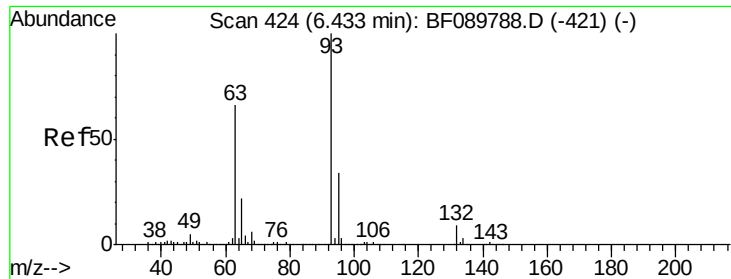
Ion Ratio Lower Upper

94 100

65 30.3 14.0 54.0

66 44.3 31.2 71.2





#11

bis(2-Chloroethyl)ether

Concen: 44.03 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

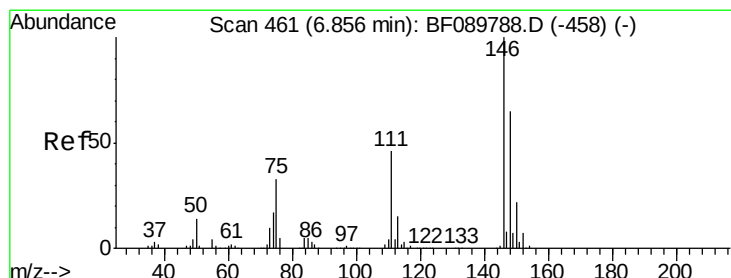
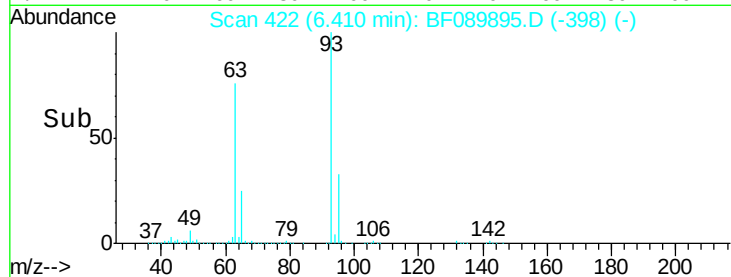
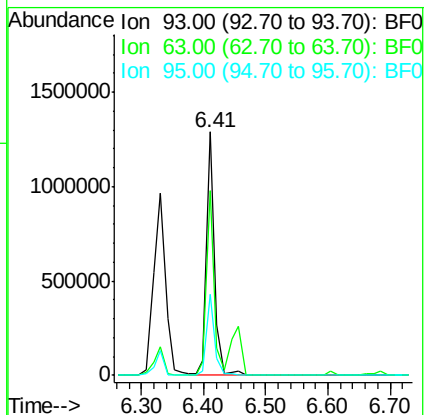
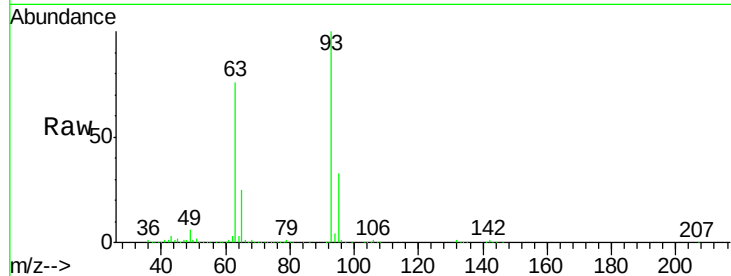
Tgt Ion: 93 Resp: 1166168

Ion Ratio Lower Upper

93 100

63 75.8 55.8 95.8

95 33.3 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 42.36 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

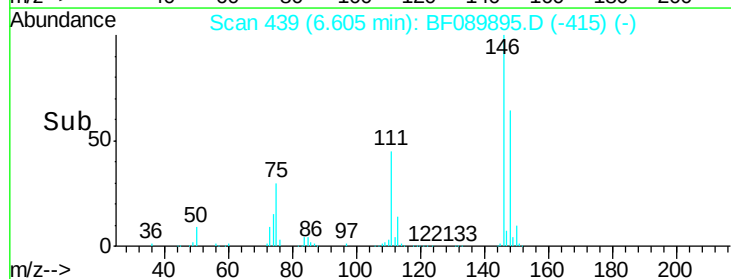
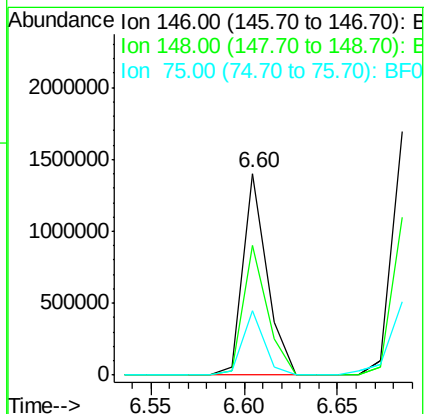
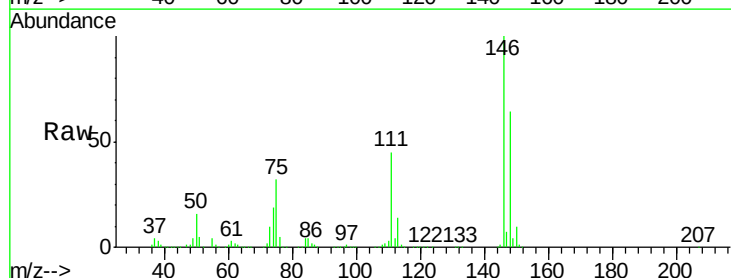
Tgt Ion: 146 Resp: 1257152

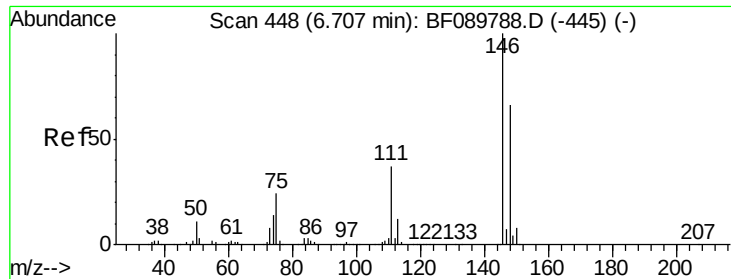
Ion Ratio Lower Upper

146 100

148 64.4 51.0 76.4

75 31.9 27.0 40.6

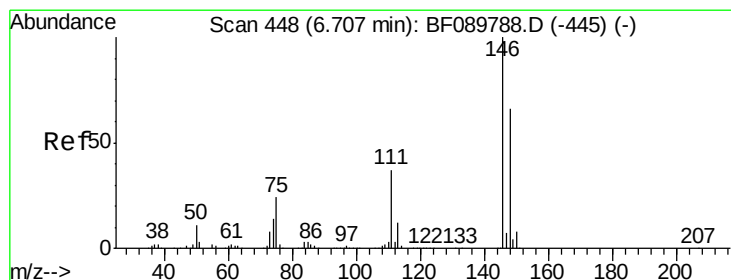
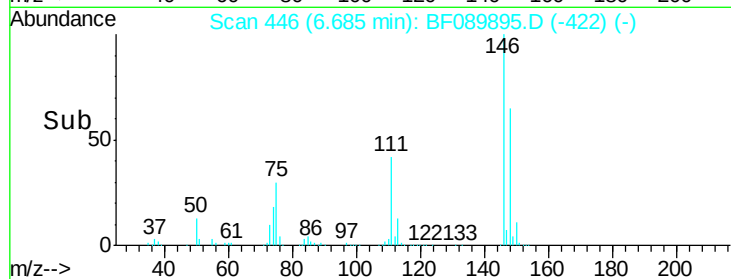
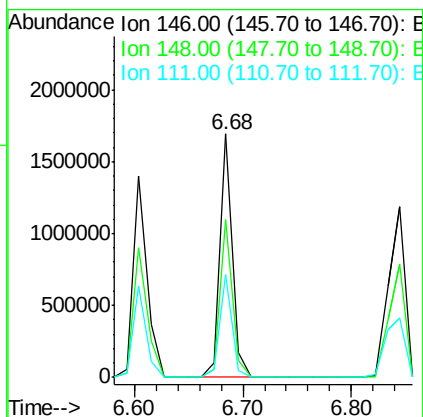
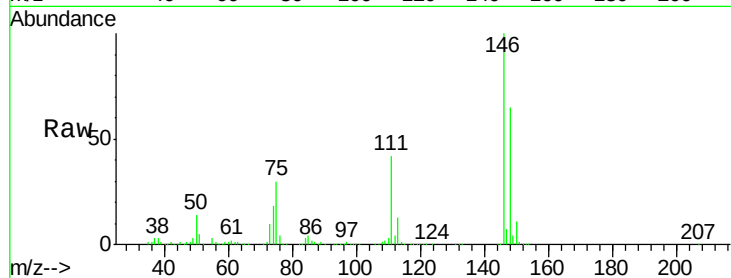




#13
 1,4-Dichlorobenzene
 Concen: 44.35 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

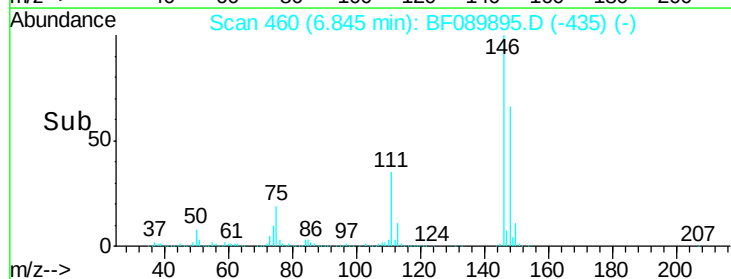
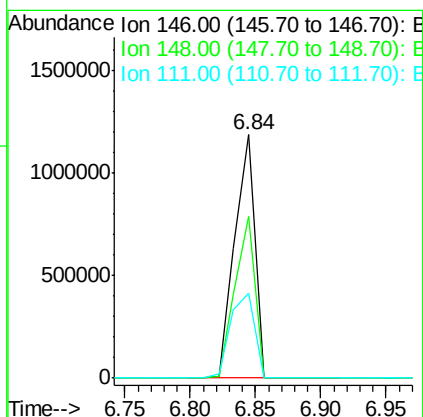
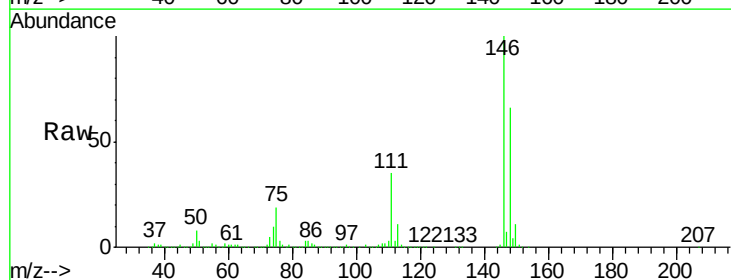
Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

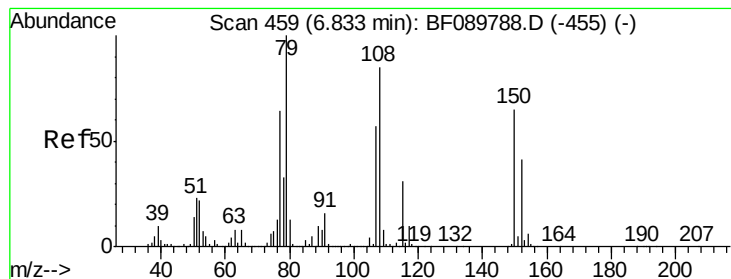
Tgt Ion:146 Resp: 1352950
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.0 76.6
 111 42.0 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 44.15 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:146 Resp: 1257240
 Ion Ratio Lower Upper
 146 100
 148 66.4 52.2 78.2
 111 34.9 29.8 44.6





#15

Benzyl Alcohol

Concen: 52.46 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

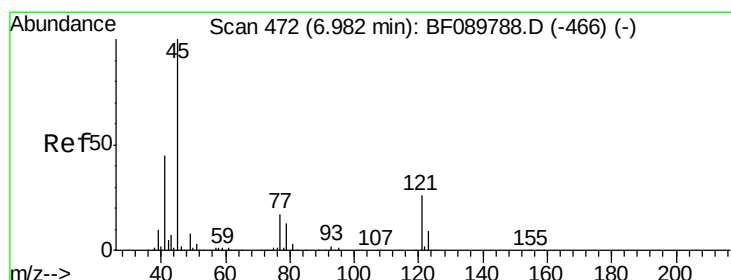
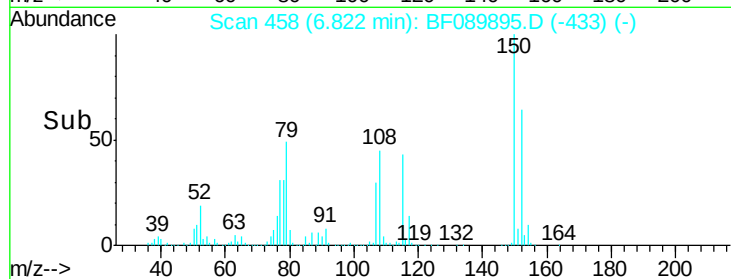
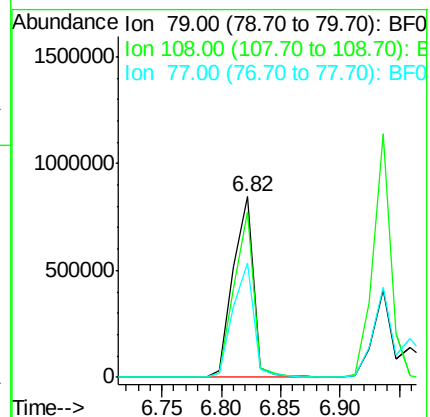
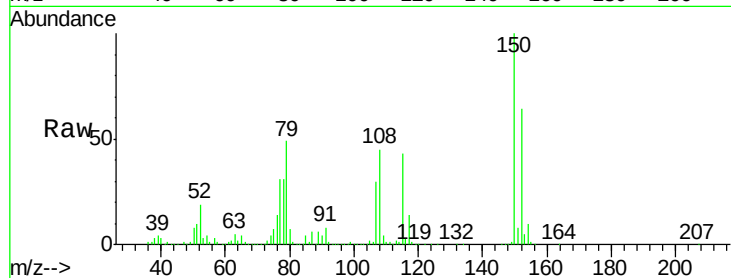
Tgt Ion: 79 Resp: 1013848

Ion Ratio Lower Upper

79 100

108 91.7 62.5 93.7

77 63.0 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.28 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

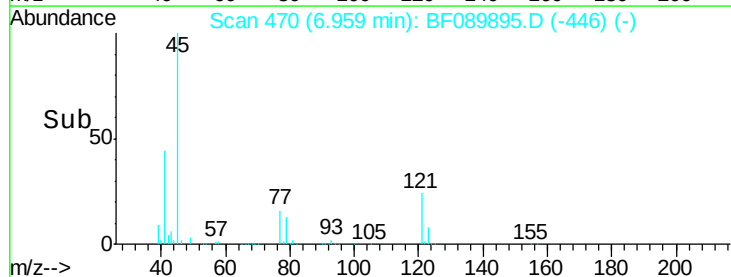
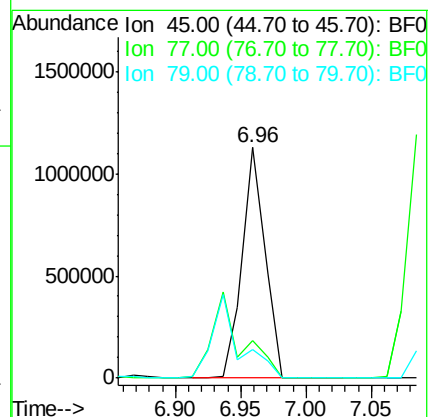
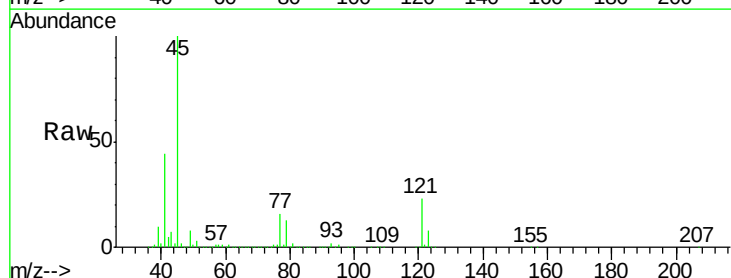
Tgt Ion: 45 Resp: 1365258

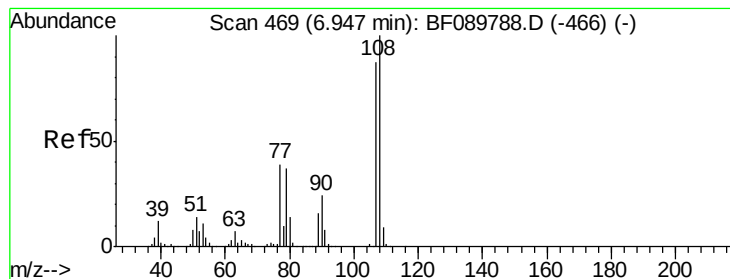
Ion Ratio Lower Upper

45 100

77 16.1 0.0 33.5

79 12.6 0.0 30.7





#17

2-Methylphenol

Concen: 45.94 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tgt Ion:107 Resp: 1021504

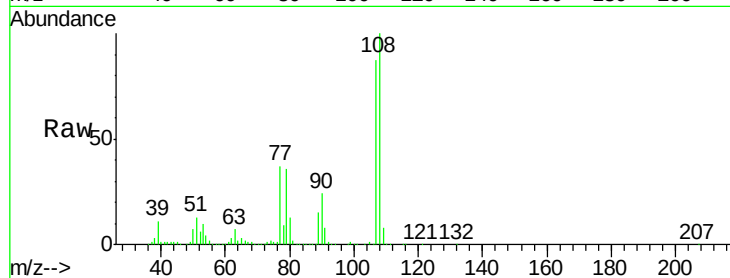
Ion Ratio Lower Upper

107 100

108 115.2 91.0 136.4

77 42.5 37.4 56.0

79 41.2 36.6 55.0

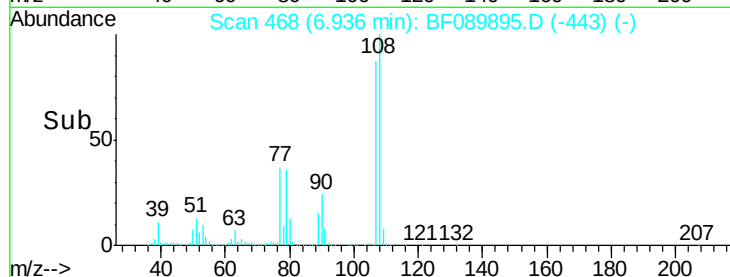


Abundance Ion 107.00 (106.70 to 107.70): E

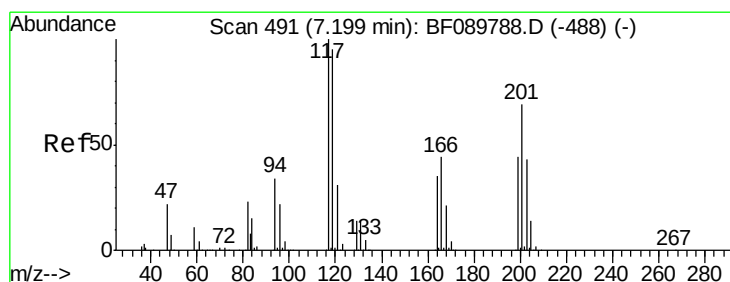
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 45.12 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

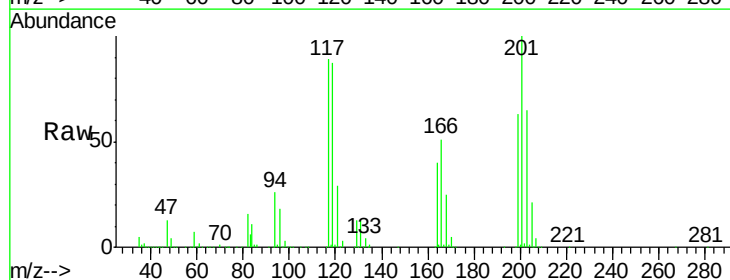
Tgt Ion:117 Resp: 490951

Ion Ratio Lower Upper

117 100

119 97.5 77.1 115.7

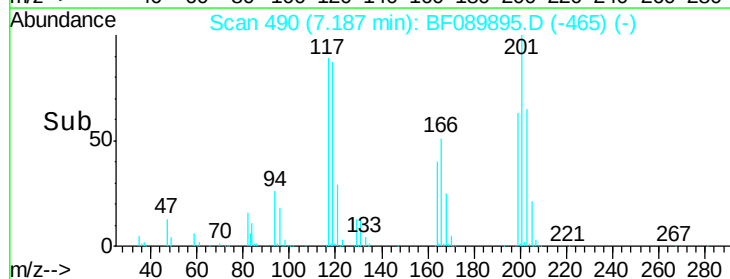
201 112.6 76.9 115.3



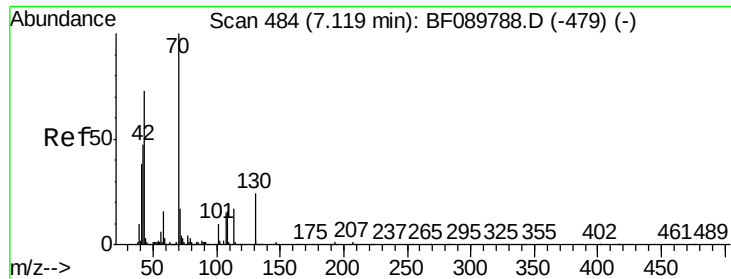
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



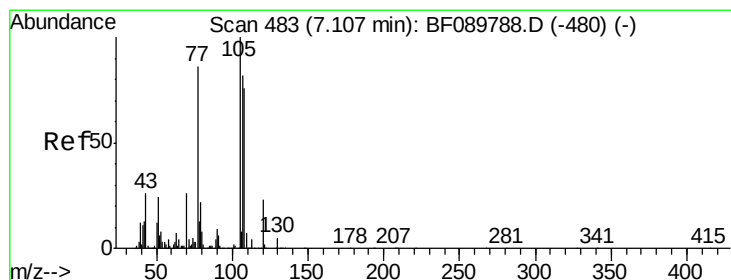
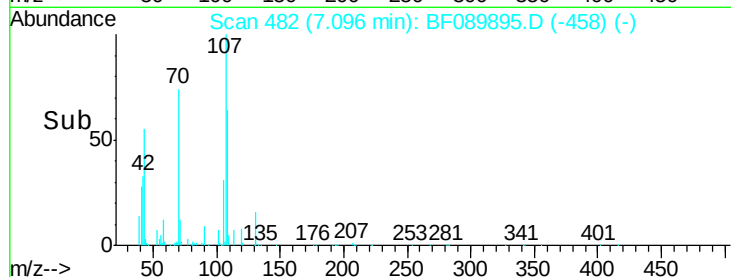
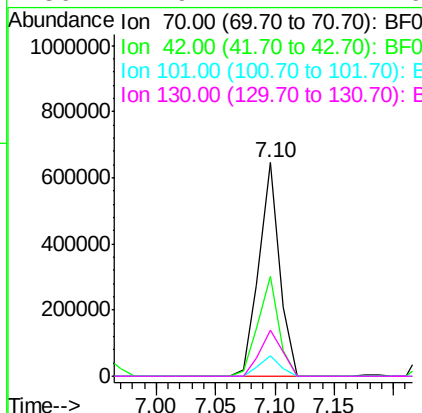
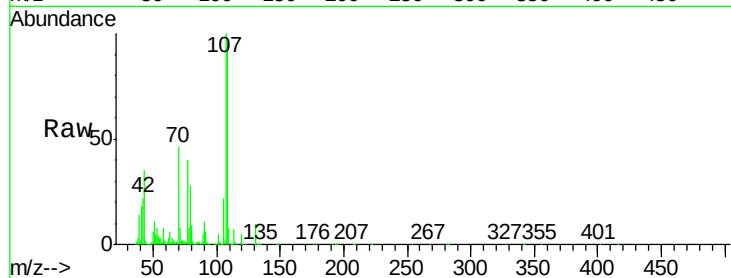
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 42.31 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

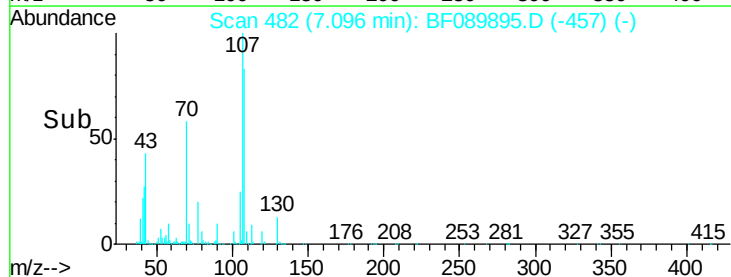
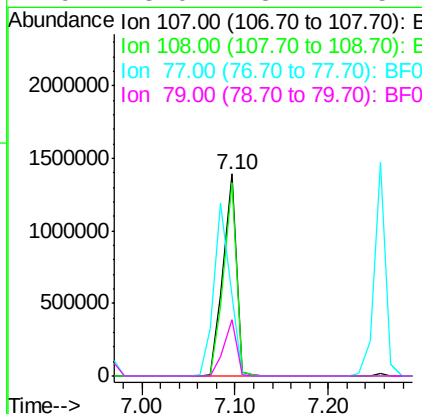
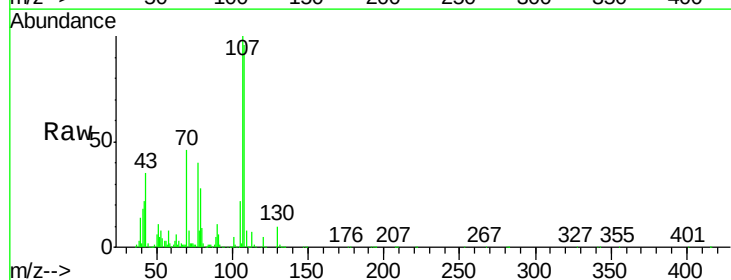
Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

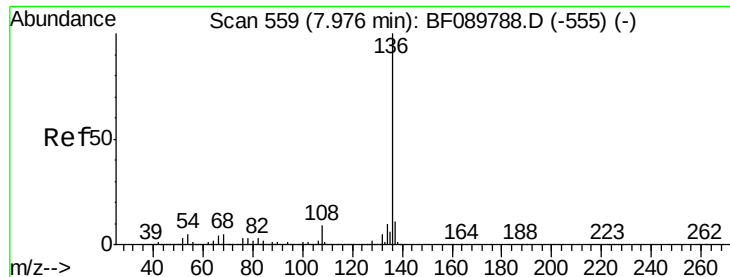
Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.0	46.3	69.5
101	9.8	7.0	10.6
130	21.9	14.4	21.6#



#20
3+4-Methylphenols
Concen: 50.02 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.5	68.2	108.2
77	40.2	122.3	162.3#
79	28.0	8.2	48.2

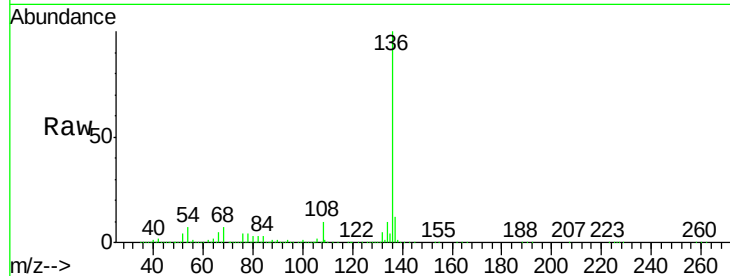




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tgt Ion:	136	Resp:	1620492
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	7.3	7.2	10.8
68	6.6	5.8	8.8



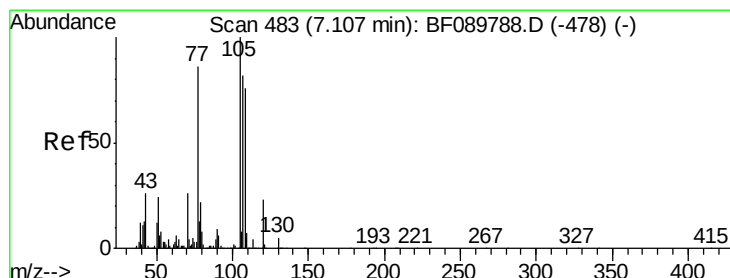
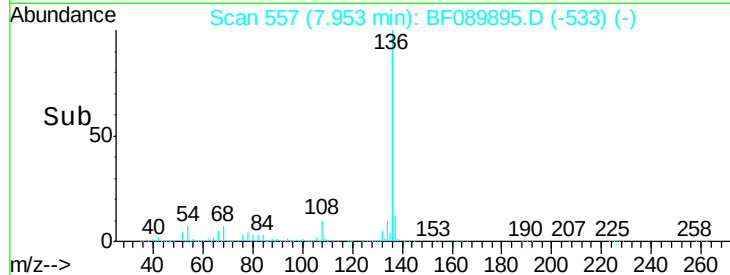
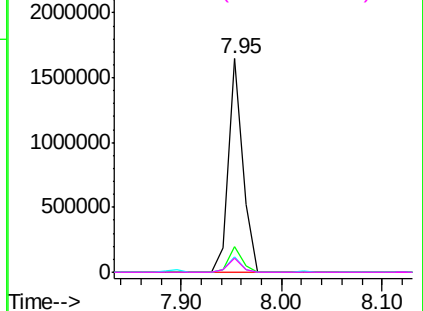
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

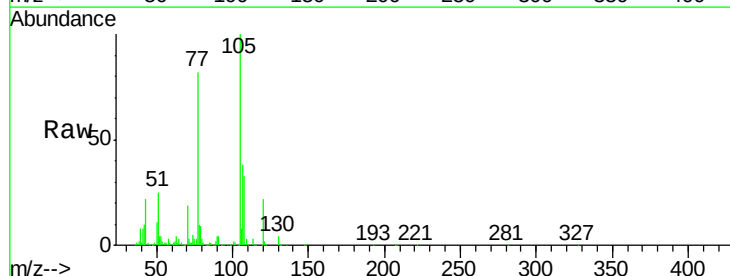
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 40.07 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:	105	Resp:	1490957
Ion	Ratio	Lower	Upper
105	100		
71	3.2	1.9	2.9#
51	24.8	28.5	42.7#
120	22.3	16.6	25.0



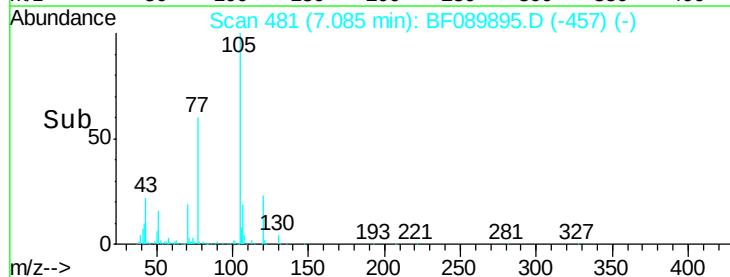
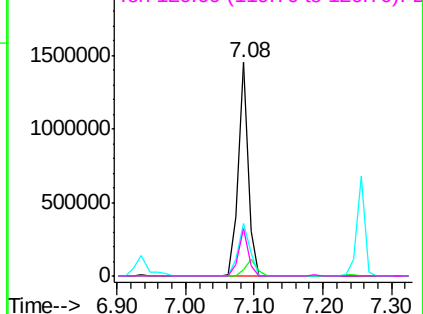
Abundance

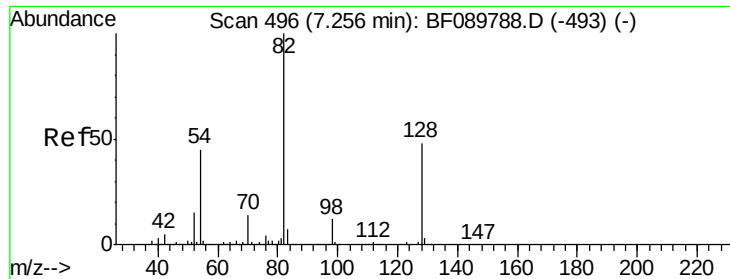
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

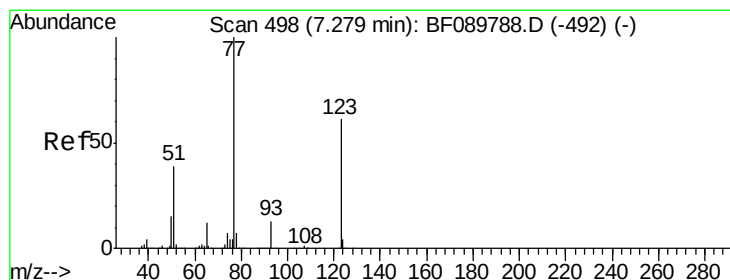
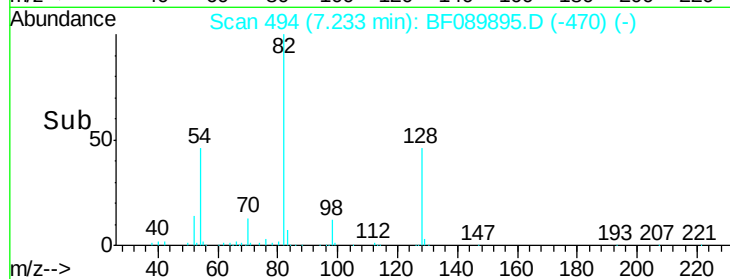
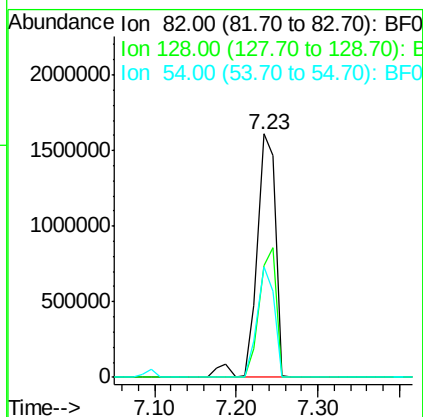
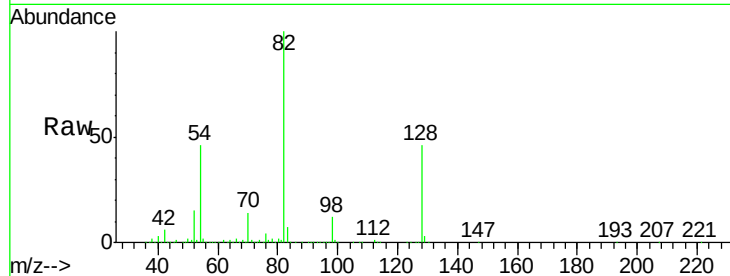




#23
 Nitrobenzene-d5
 Concen: 97.89 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

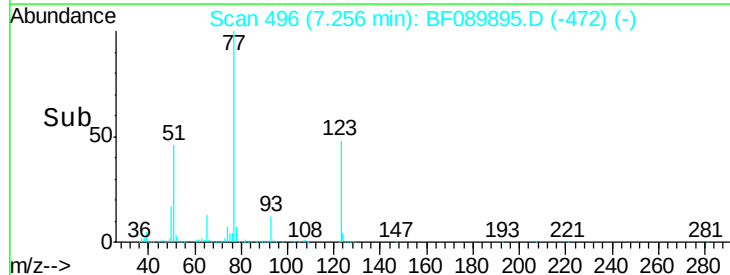
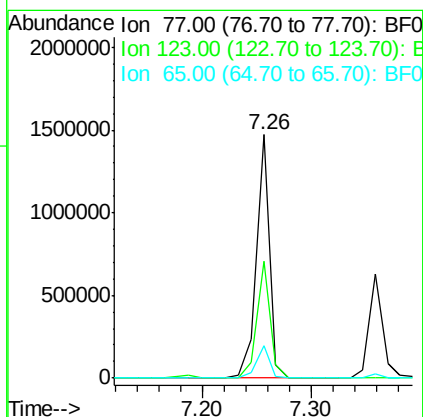
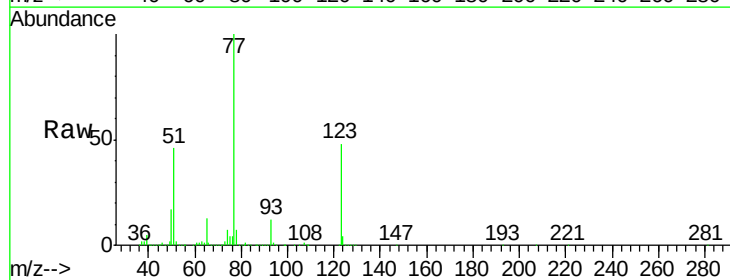
Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

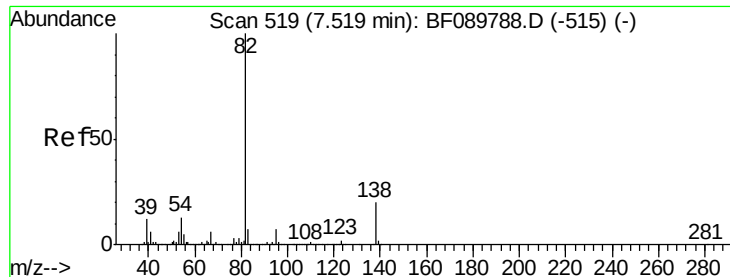
Tgt Ion: 82 Resp: 2553382
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.4 51.6
 54 45.5 40.3 60.5



#24
 Nitrobenzene
 Concen: 42.33 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion: 77 Resp: 1238884
 Ion Ratio Lower Upper
 77 100
 123 48.2 36.2 54.2
 65 13.4 10.6 15.8





#25

Isophorone

Concen: 44.64 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

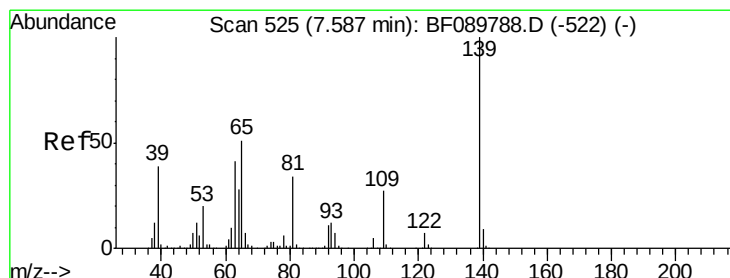
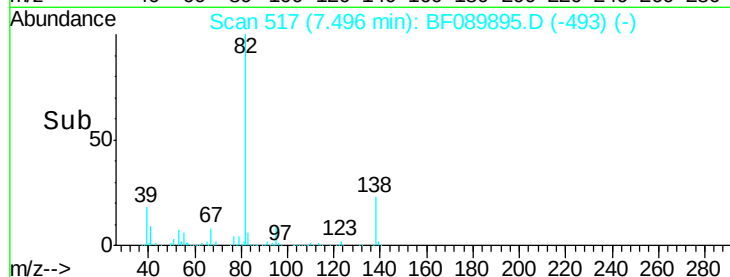
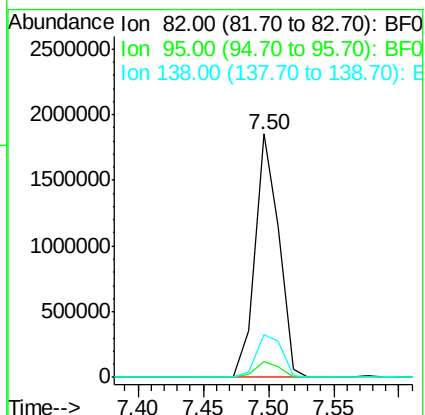
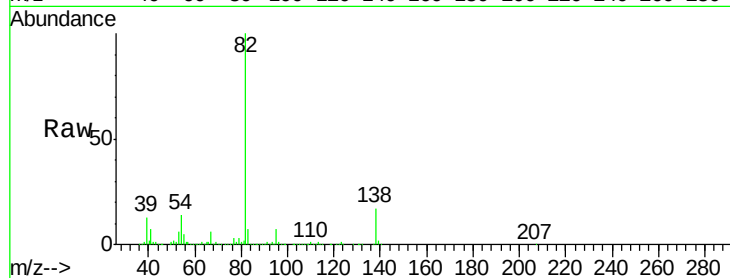
Tgt Ion: 82 Resp: 2348192

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

138 17.3 13.0 19.4



#26

2-Nitrophenol

Concen: 53.54 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

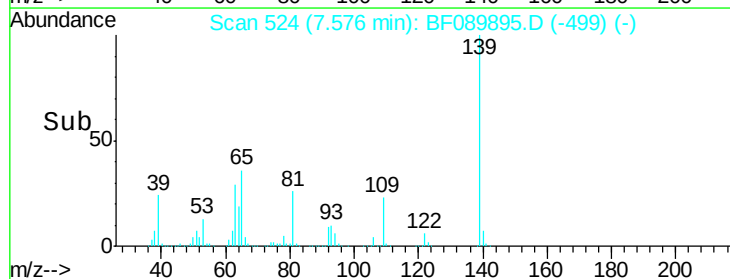
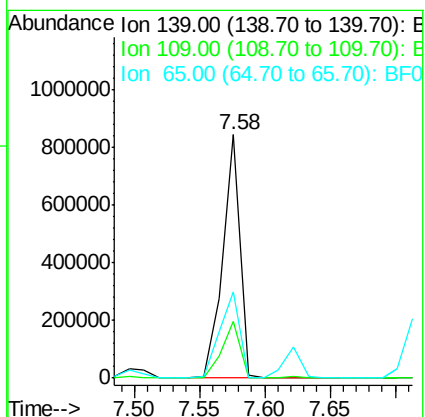
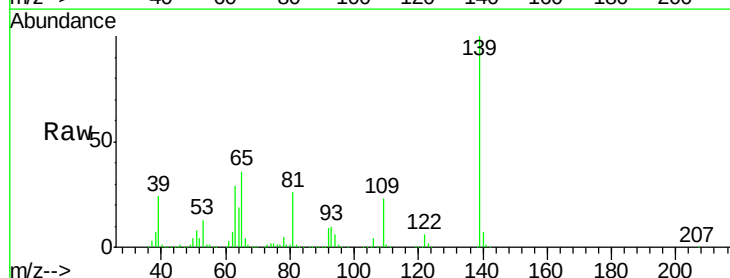
Tgt Ion: 139 Resp: 781732

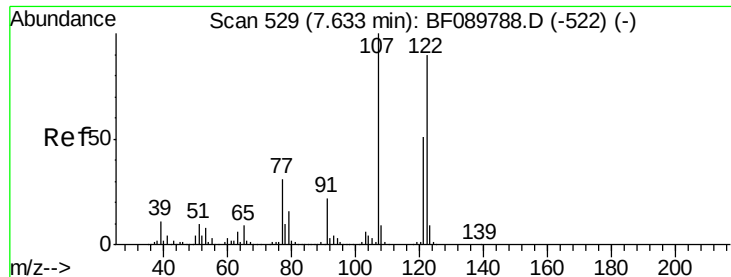
Ion Ratio Lower Upper

139 100

109 23.3 19.5 29.3

65 35.6 26.5 39.7





#27

2,4-Dimethylphenol

Concen: 43.99 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

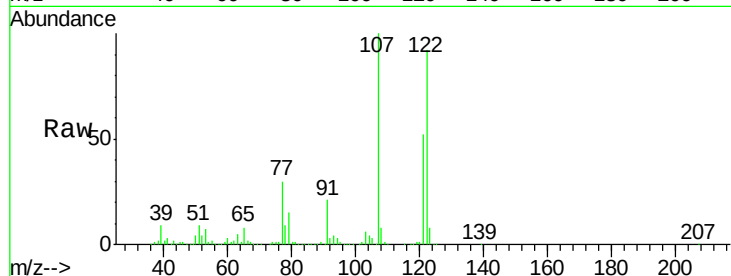
Tgt Ion:122 Resp: 1157652

Ion Ratio Lower Upper

122 100

107 109.1 84.8 127.2

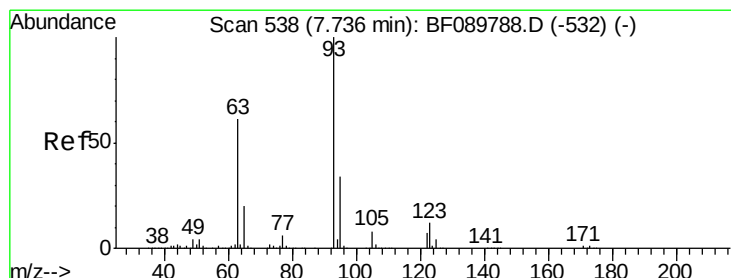
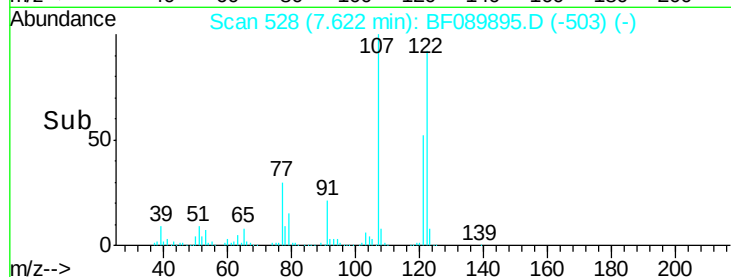
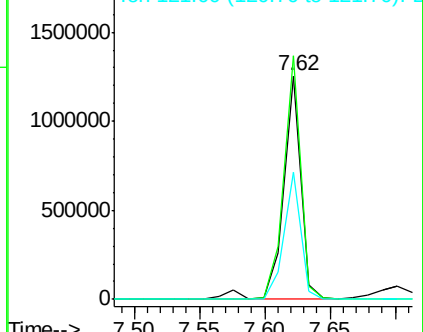
121 57.0 47.0 70.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.44 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

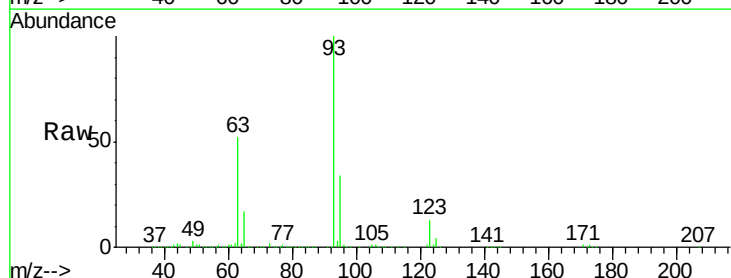
Tgt Ion: 93 Resp: 1544002

Ion Ratio Lower Upper

93 100

95 34.0 25.5 38.3

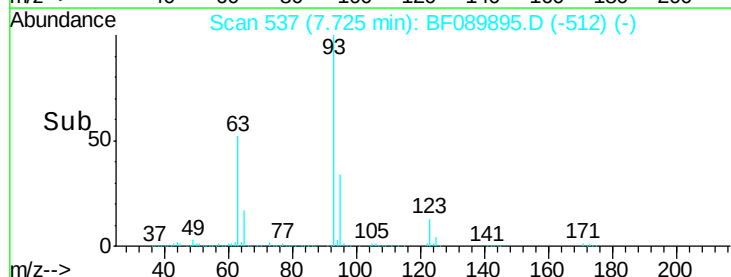
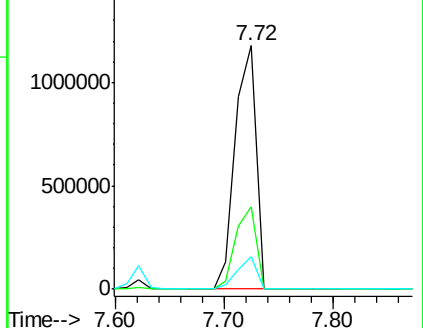
123 13.2 8.5 12.7#

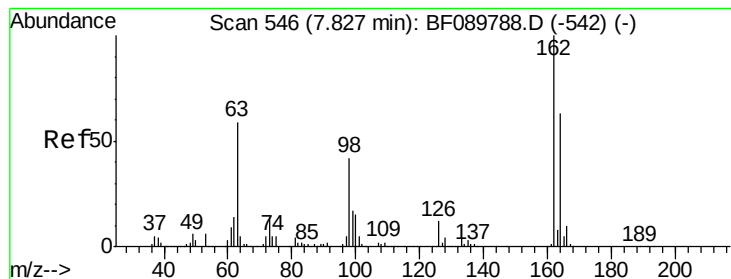


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 48.81 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

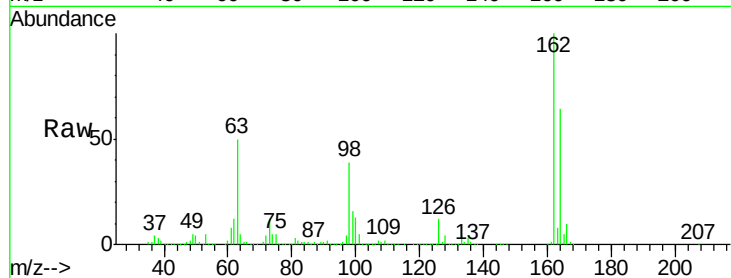
Tgt Ion:162 Resp: 1077820

Ion Ratio Lower Upper

162 100

164 64.5 45.5 85.5

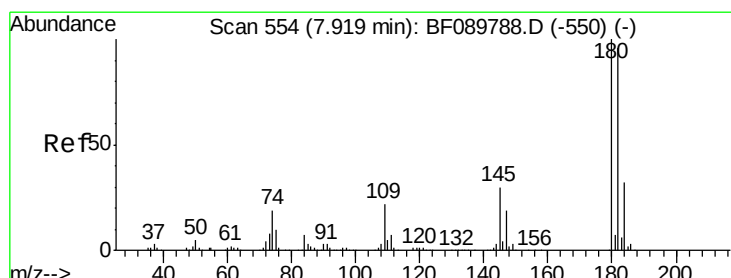
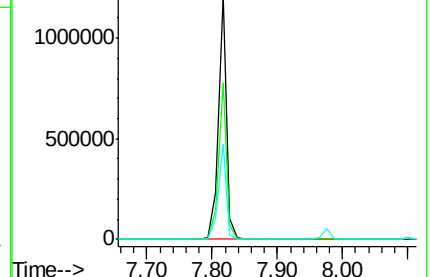
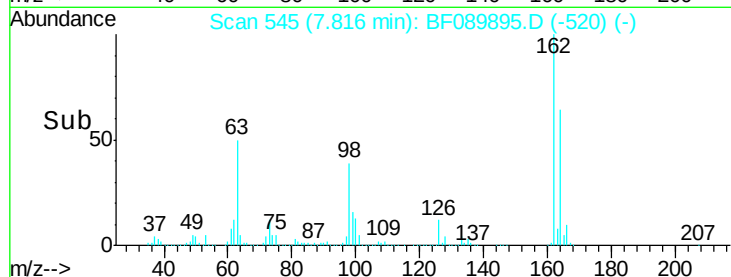
98 39.1 12.4 52.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 42.71 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

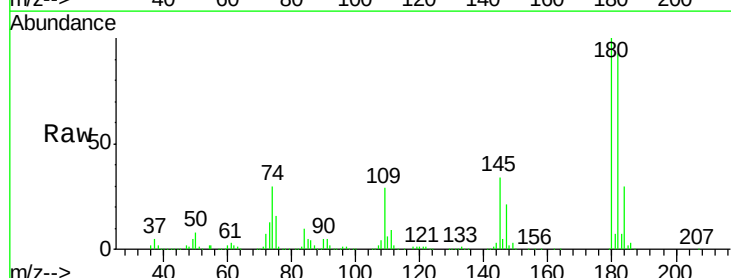
Tgt Ion:180 Resp: 1043305

Ion Ratio Lower Upper

180 100

182 93.2 75.5 113.3

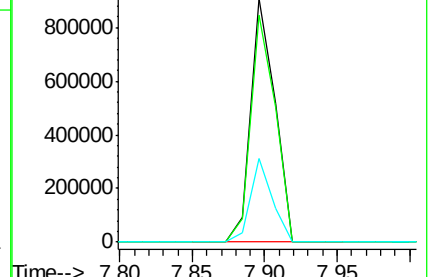
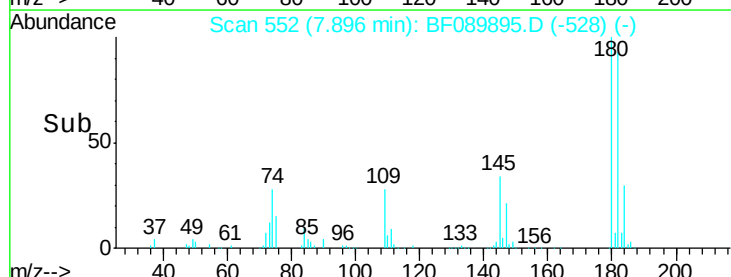
145 34.2 28.7 43.1

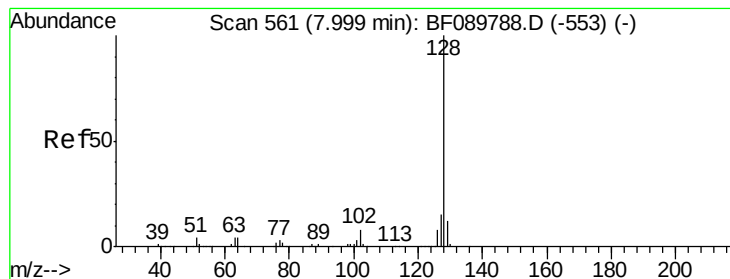


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.76 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

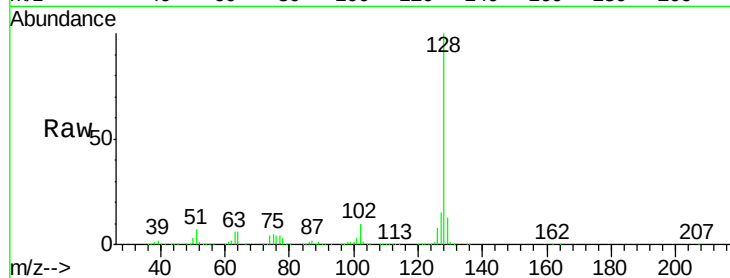
Tgt Ion:128 Resp: 3238426

Ion Ratio Lower Upper

128 100

129 12.9 9.5 14.3

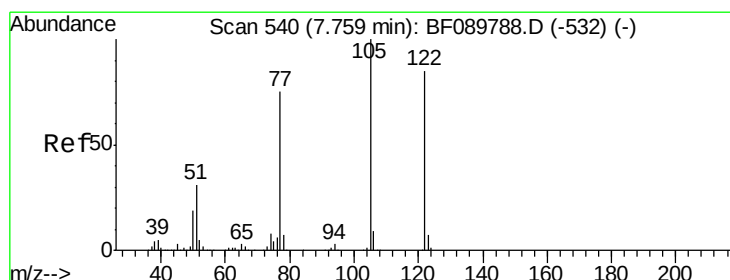
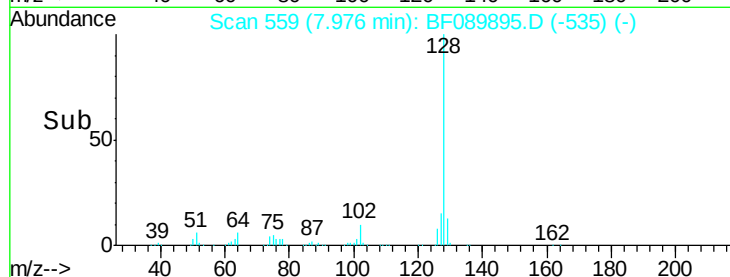
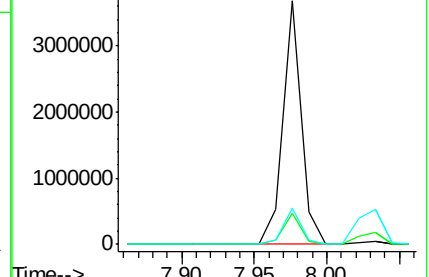
127 14.7 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.00 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.06 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

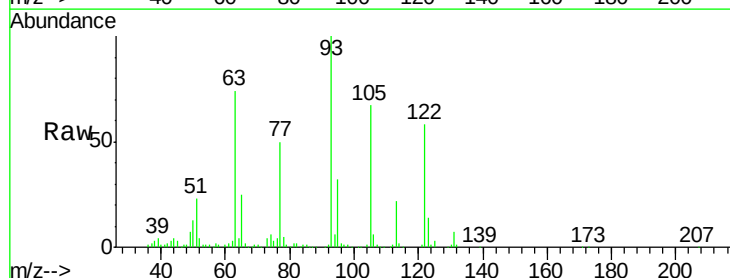
Tgt Ion:122 Resp: 164025

Ion Ratio Lower Upper

122 100

105 115.1 100.8 140.8

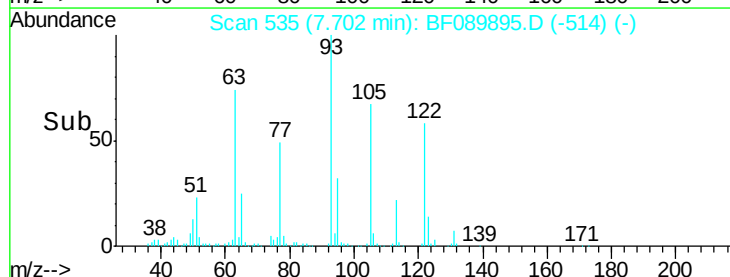
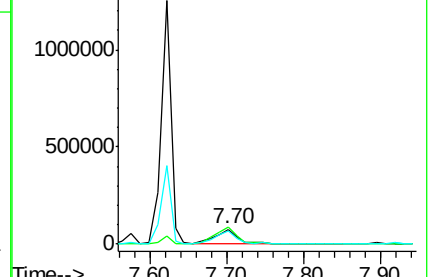
77 87.2 72.1 112.1

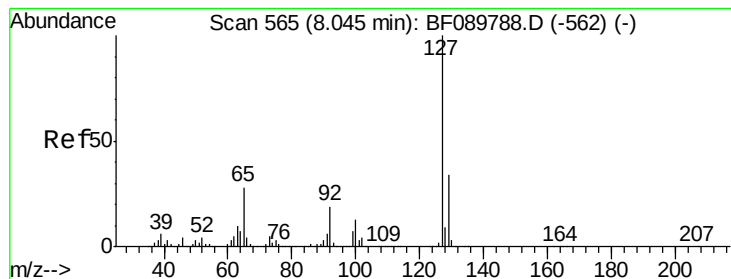


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 20.84 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

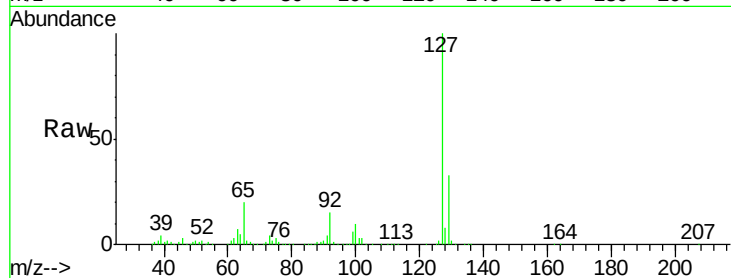
Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tgt Ion:	127	Resp:	684264
Ion	Ratio	Lower	Upper
127	100		
129	32.7	27.0	40.6
65	20.0	14.7	22.1
92	14.7	11.7	17.5

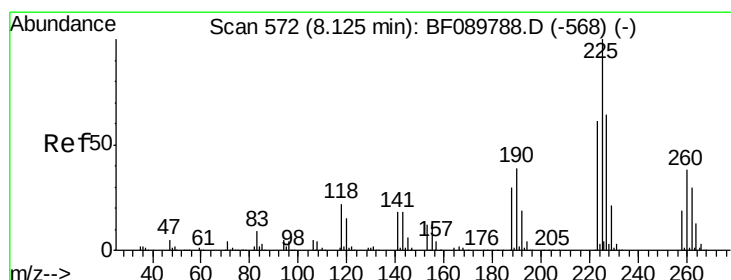
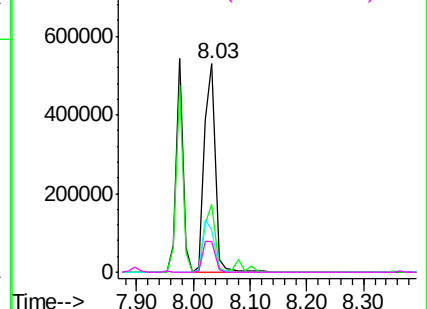
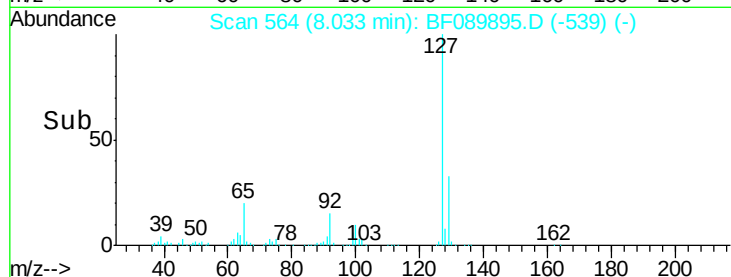


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 41.73 ng

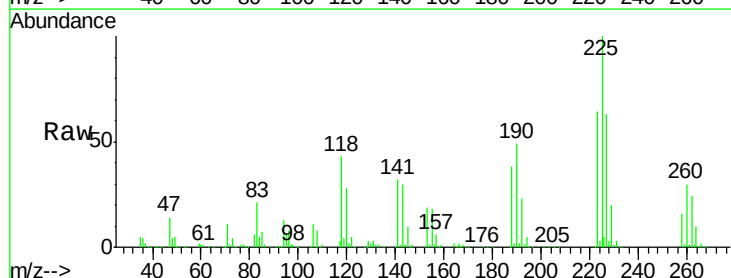
RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

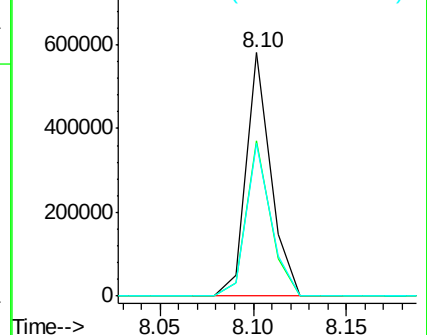
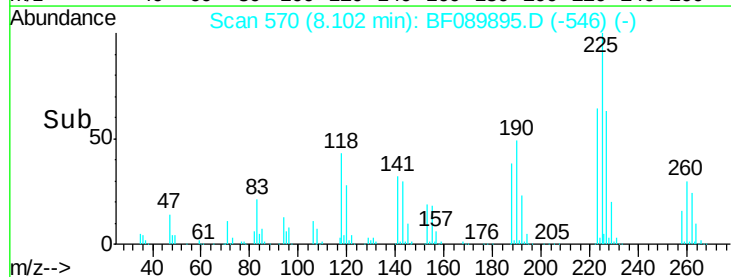
Tgt Ion:	225	Resp:	533674
Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.0	76.6
227	62.6	49.8	74.6

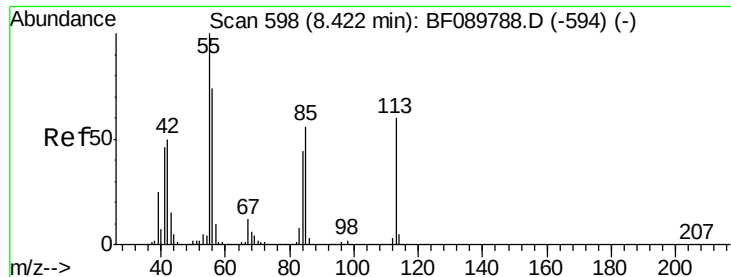


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

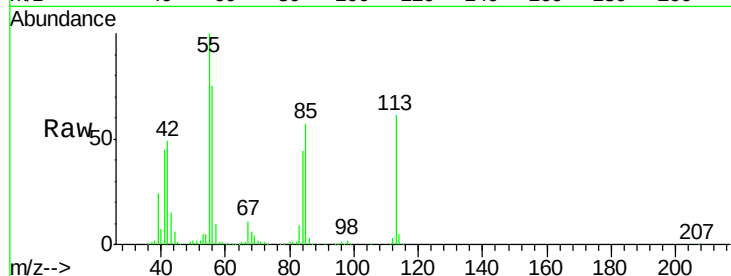




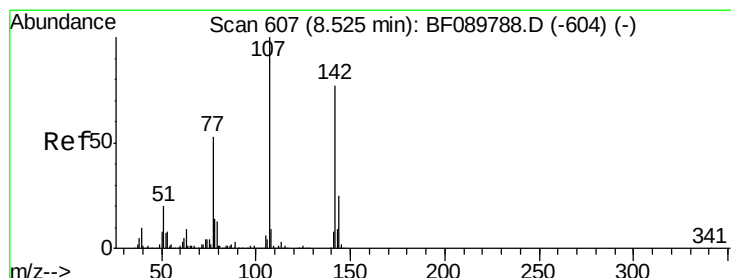
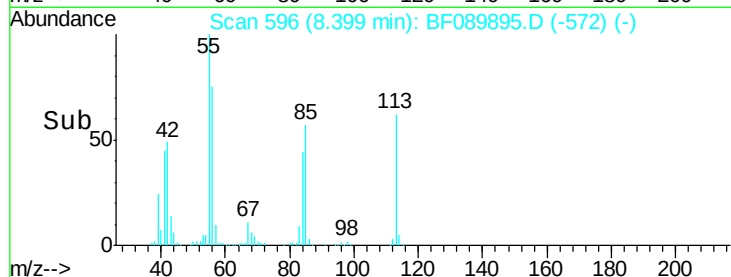
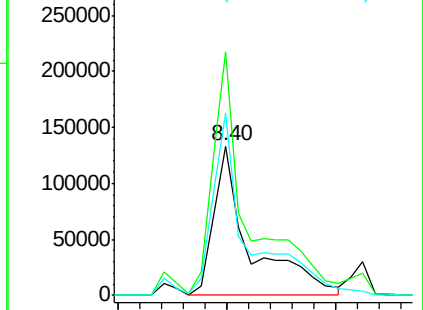
#35
 Caprolactam
 Concen: 45.97 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion:113 Resp: 309089
 Ion Ratio Lower Upper
 113 100
 55 162.8 135.9 175.9
 56 121.6 93.9 133.9

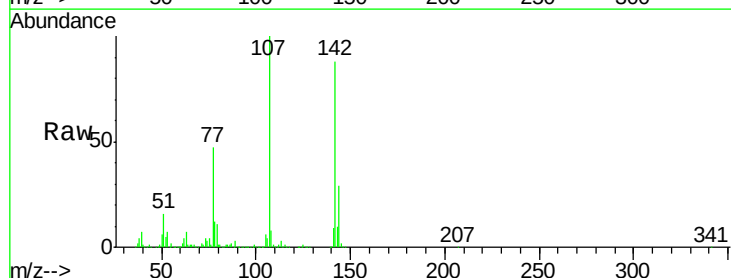


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

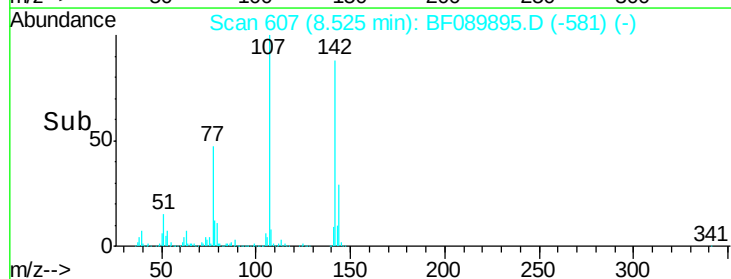
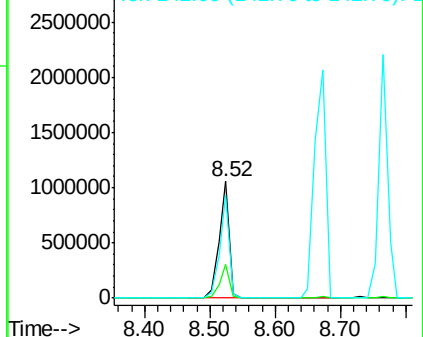


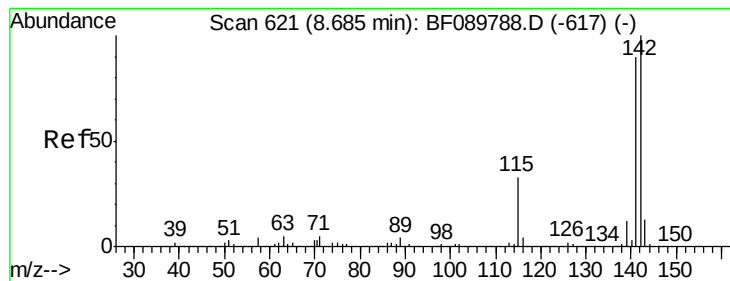
#36
 4-Chloro-3-methylphenol
 Concen: 49.00 ng
 RT: 8.52 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:107 Resp: 1171904
 Ion Ratio Lower Upper
 107 100
 144 28.5 22.6 34.0
 142 87.8 69.3 103.9



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 50.16 ng

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

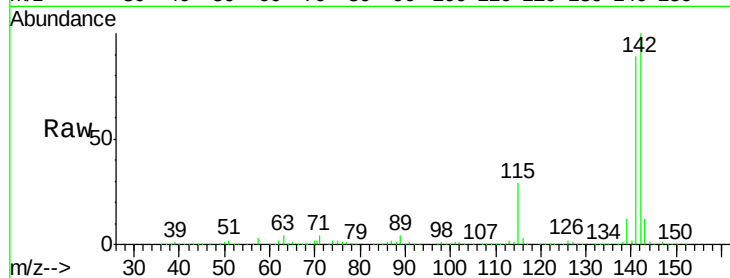
Tgt Ion:142 Resp: 2457721

Ion Ratio Lower Upper

142 100

141 89.2 71.4 107.2

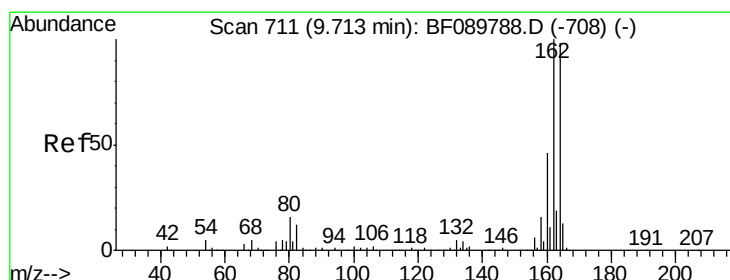
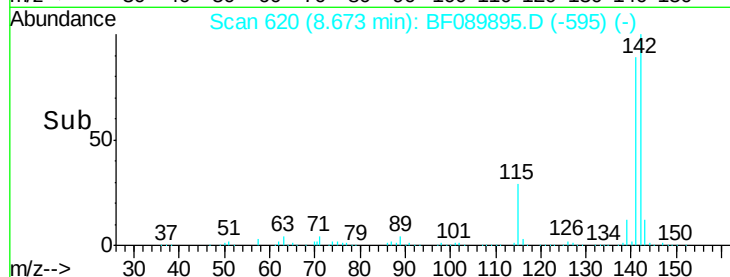
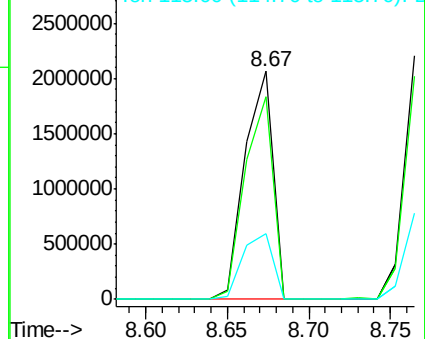
115 28.8 22.7 34.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

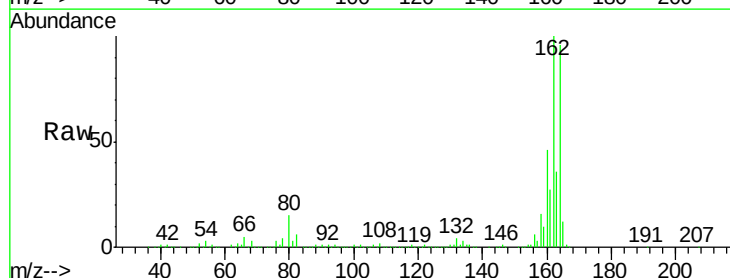
Tgt Ion:164 Resp: 796961

Ion Ratio Lower Upper

164 100

162 104.4 81.4 122.2

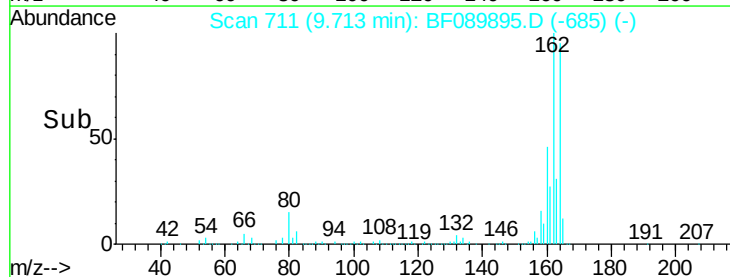
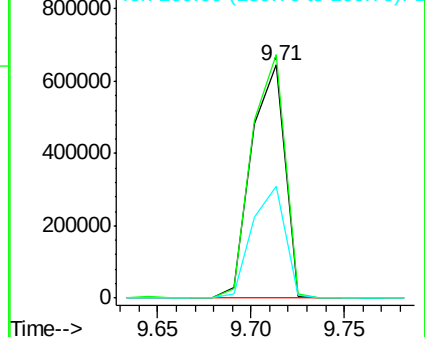
160 48.1 37.8 56.6

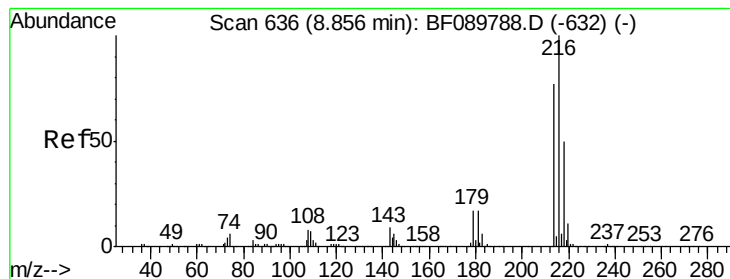


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 29.91 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

Tgt Ion:216 Resp: 771932

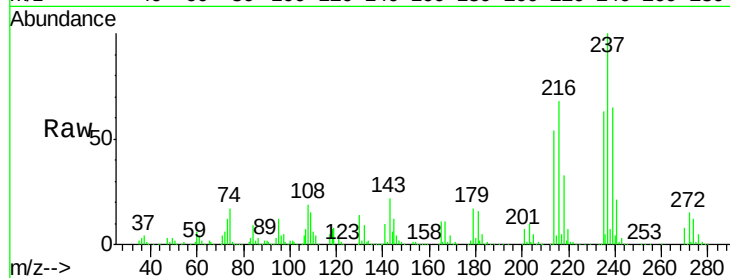
Ion Ratio Lower Upper

216 100

214 78.5 63.5 95.3

179 22.0 19.9 29.9

108 22.8 19.9 29.9

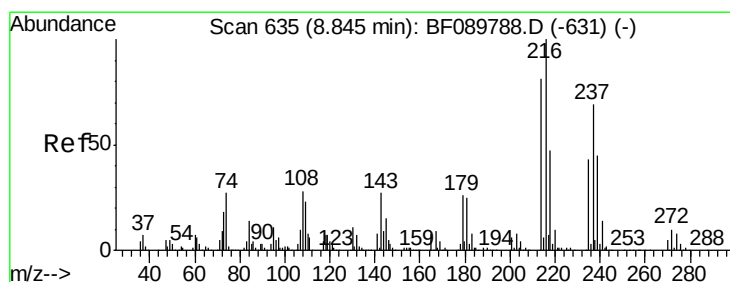
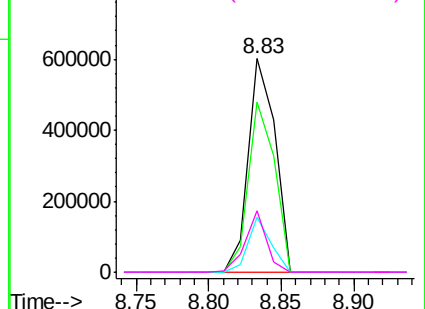
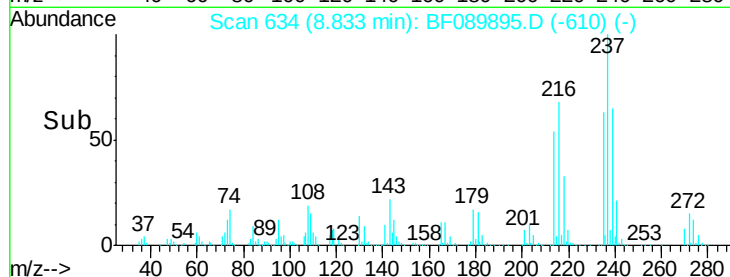


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 105.94 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

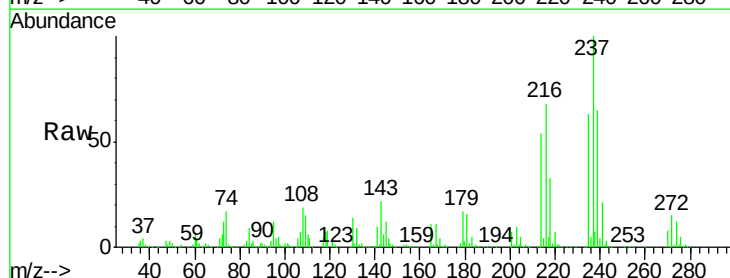
Tgt Ion:237 Resp: 949223

Ion Ratio Lower Upper

237 100

235 63.2 43.7 83.7

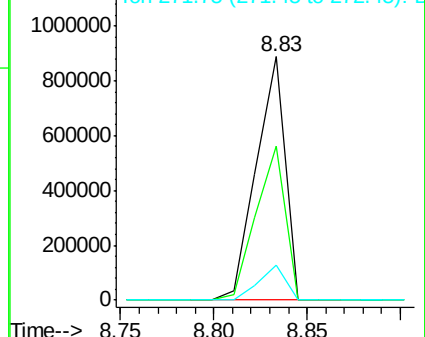
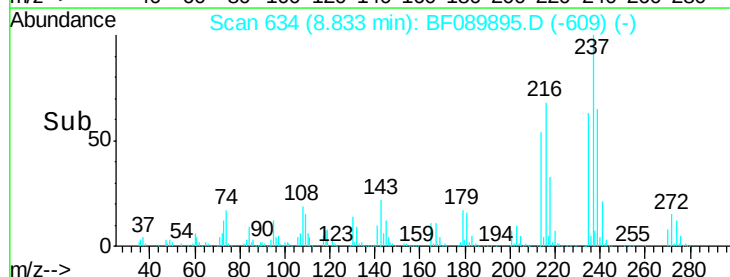
272 14.6 0.0 31.6

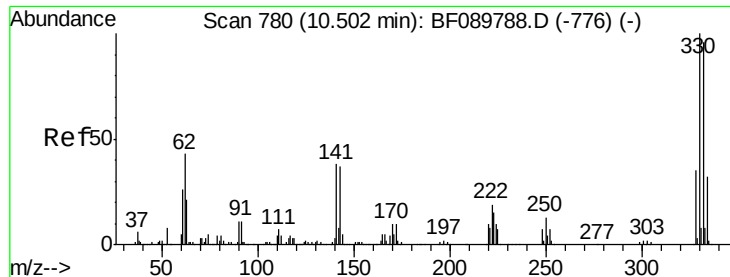


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

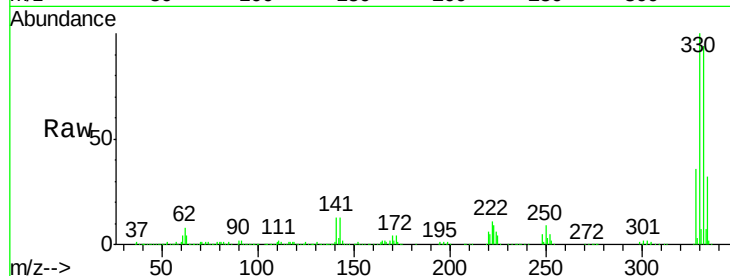




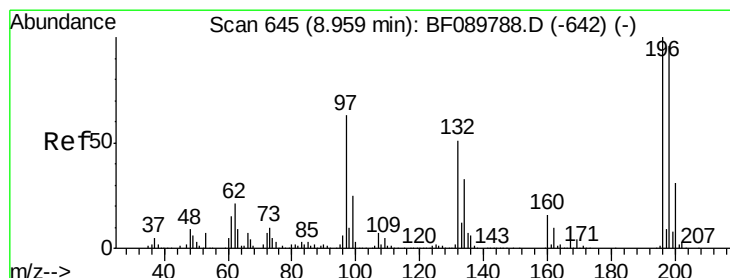
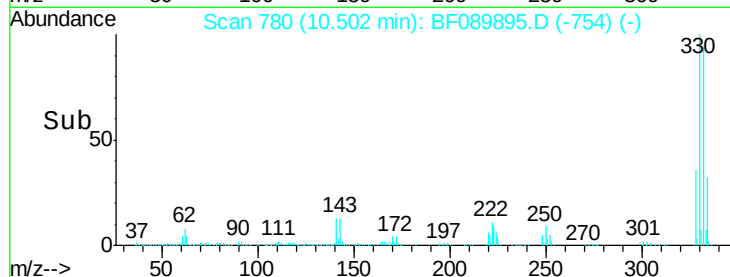
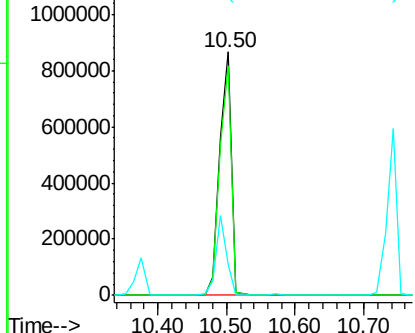
#41
 2,4,6-Tribromophenol
 Concen: 138.09 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion:330 Resp: 1045891
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.7 115.1
 141 30.3 30.2 45.2

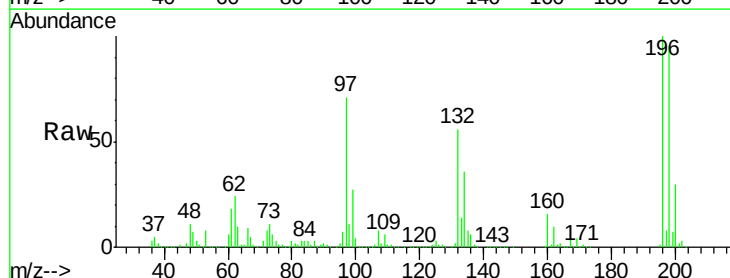


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

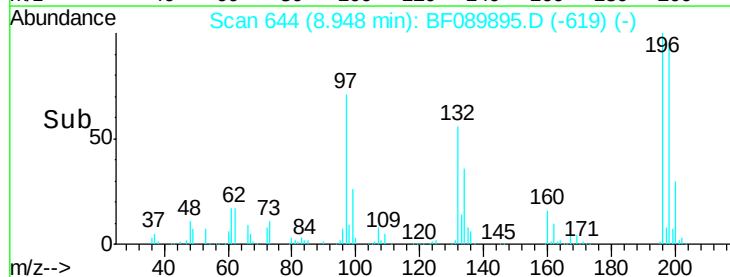
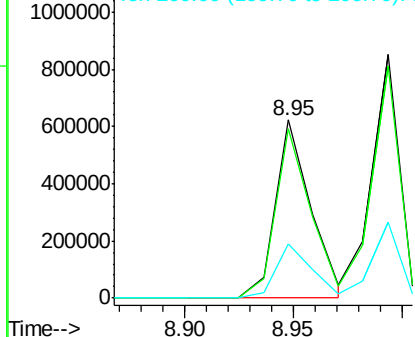


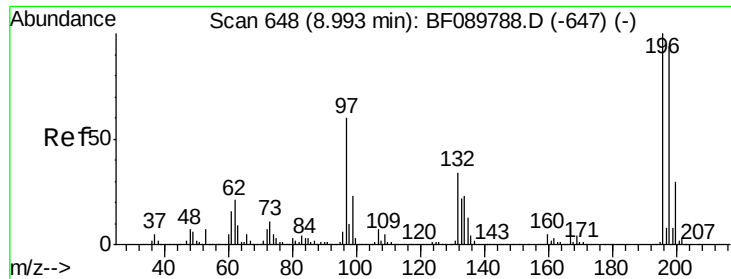
#42
 2,4,6-Trichlorophenol
 Concen: 43.76 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:196 Resp: 710514
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.3 114.5
 200 30.3 24.6 36.8



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

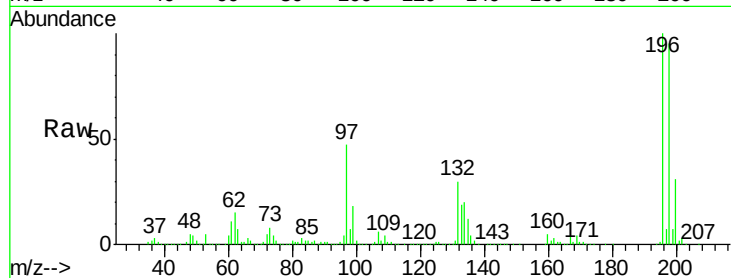




#43
 2,4,5-Trichlorophenol
 Concen: 46.96 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.6	114.8
97	46.7	35.8	53.8
132	29.9	23.5	35.3



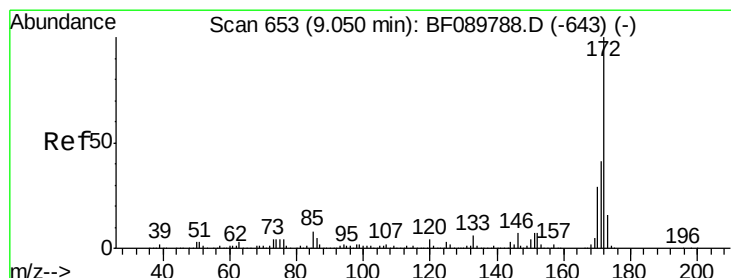
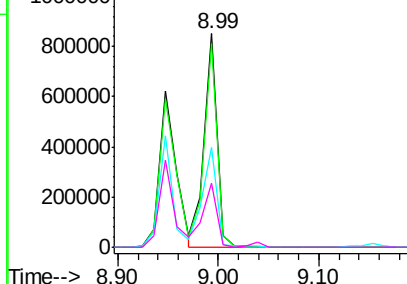
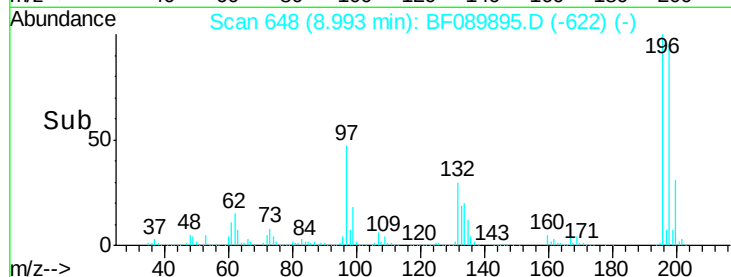
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

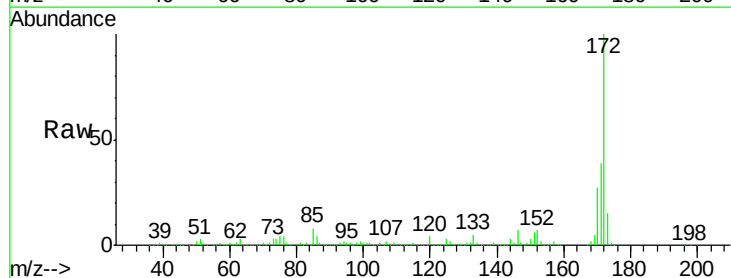
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 79.31 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.5	45.7
170	27.0	20.6	31.0

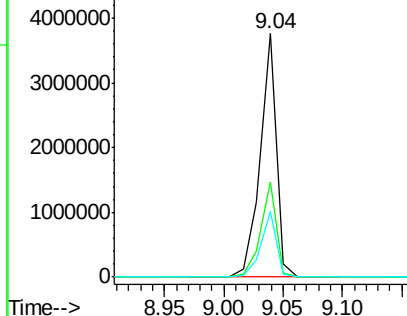
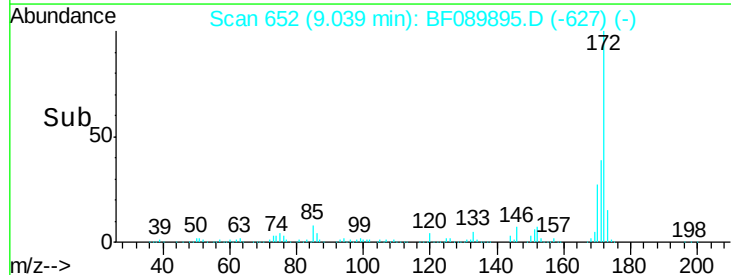


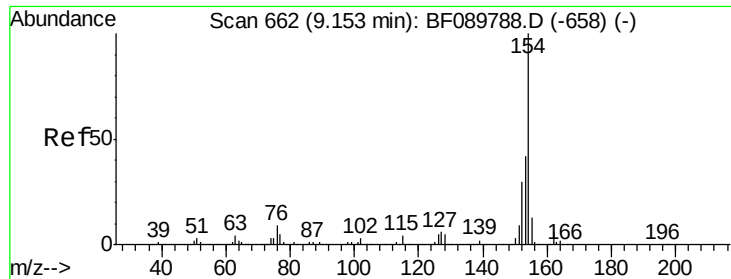
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

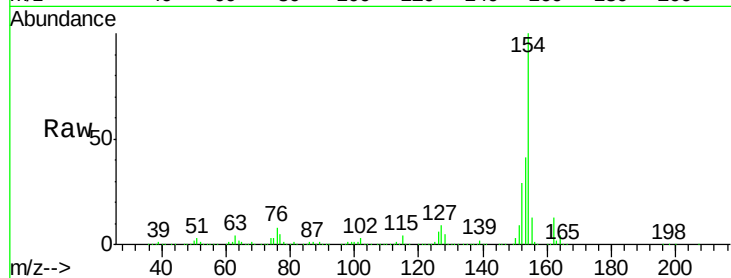




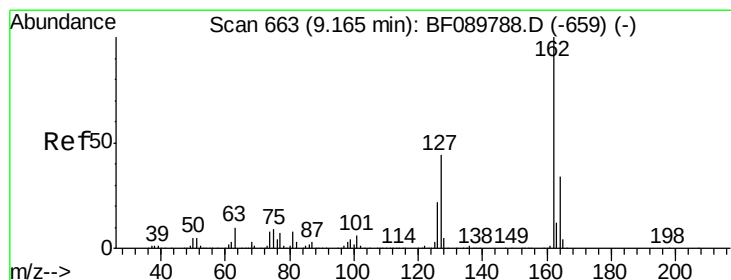
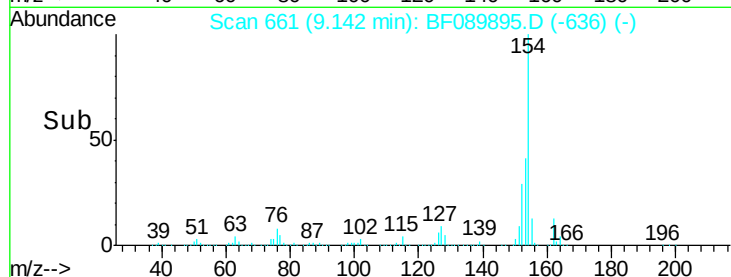
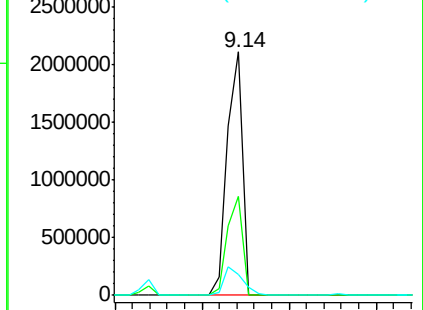
#45
 1,1'-Biphenyl
 Concen: 41.66 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion:154 Resp: 2569050
 Ion Ratio Lower Upper
 154 100
 153 40.8 21.5 61.5
 76 8.5 0.0 36.7

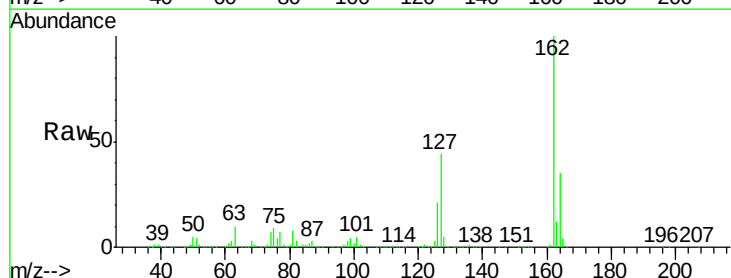


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

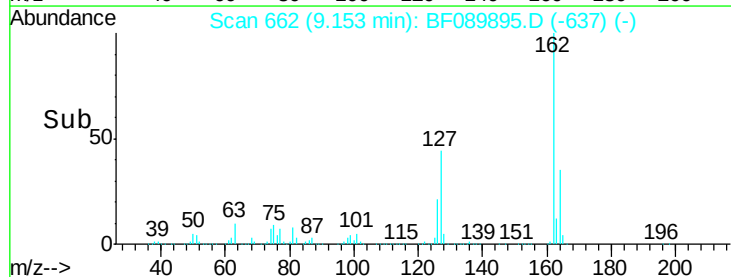
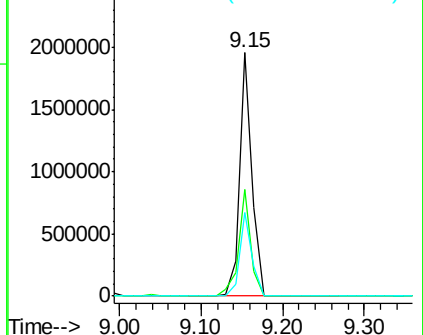


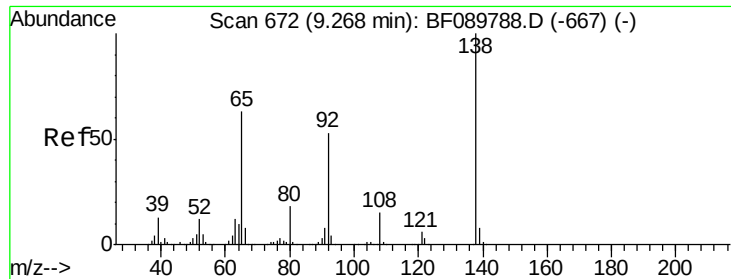
#46
 2-Chloronaphthalene
 Concen: 41.80 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:162 Resp: 2038057
 Ion Ratio Lower Upper
 162 100
 127 44.0 35.5 53.3
 164 34.6 26.6 40.0



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

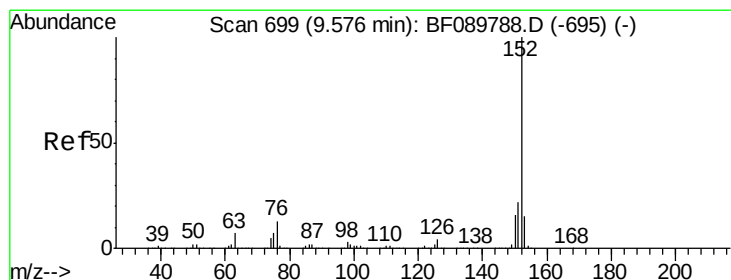
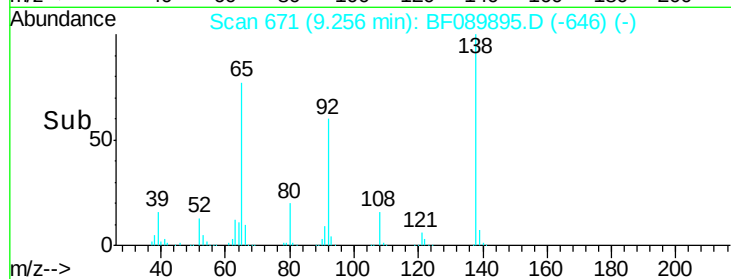
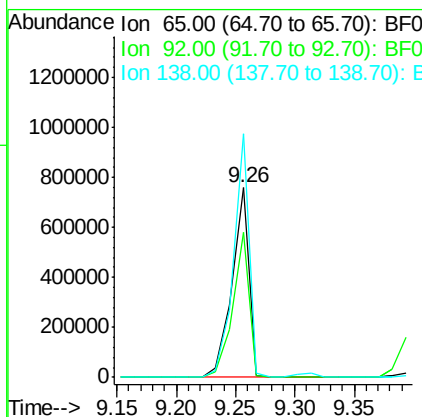
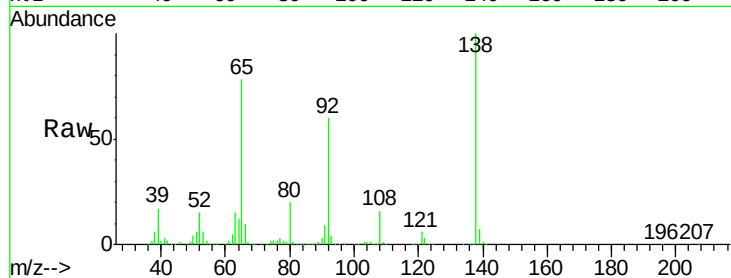




#47
 2-Nitroaniline
 Concen: 54.09 ng
 RT: 9.26 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

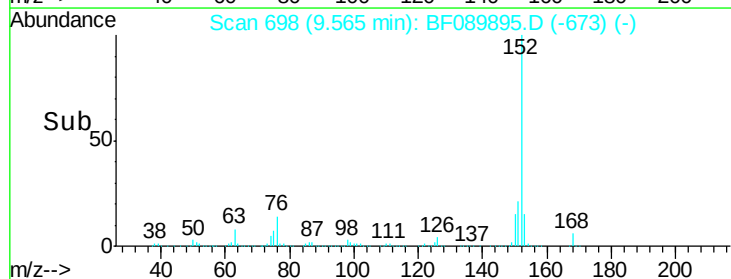
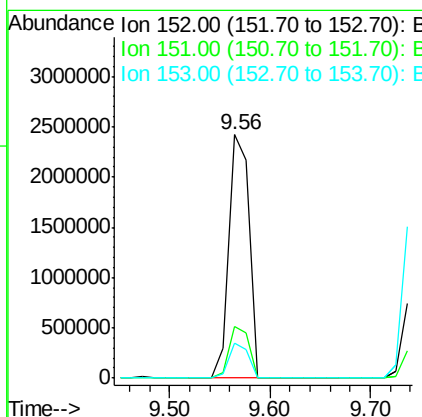
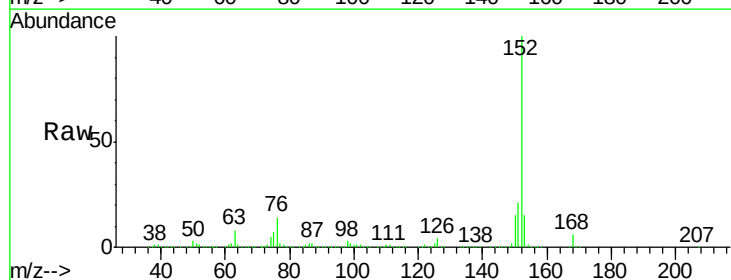
Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

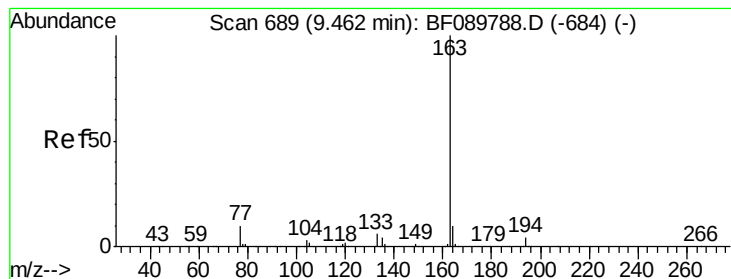
Tgt Ion: 65 Resp: 752052
 Ion Ratio Lower Upper
 65 100
 92 76.8 56.3 84.5
 138 128.4 81.8 122.8#



#48
 Acenaphthylene
 Concen: 45.92 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion: 152 Resp: 3363976
 Ion Ratio Lower Upper
 152 100
 151 21.3 17.1 25.7
 153 14.5 11.2 16.8





#49

Dimethylphthalate

Concen: 69.93 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

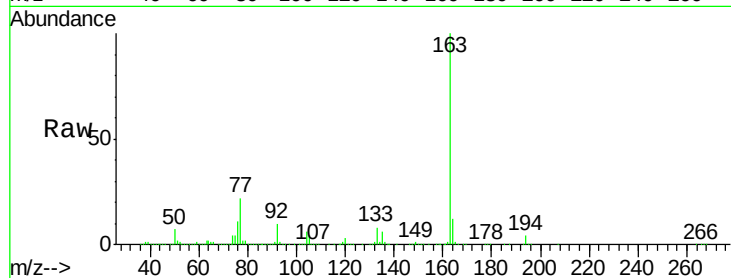
Tgt Ion:163 Resp: 3923984

Ion Ratio Lower Upper

163 100

194 3.6 2.6 3.8

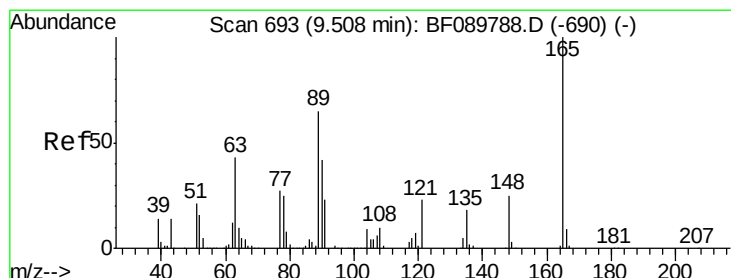
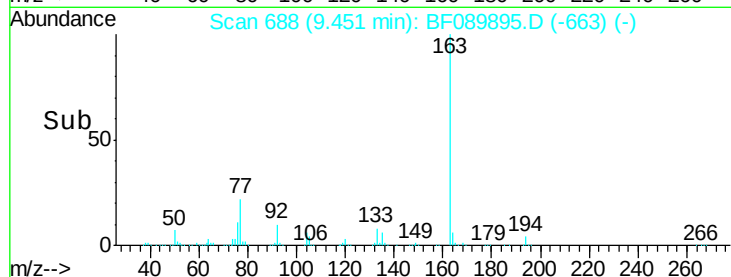
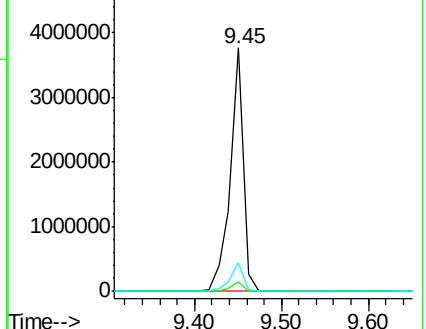
164 11.9 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.13 ng

RT: 9.51 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

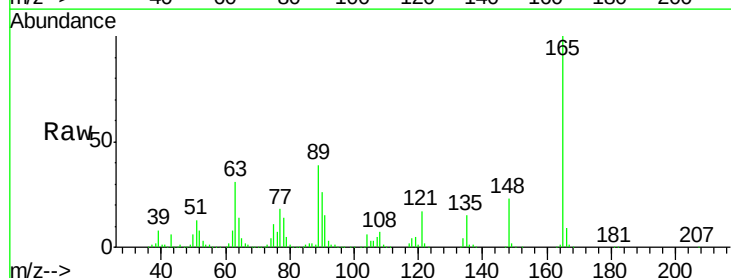
Tgt Ion:165 Resp: 649481

Ion Ratio Lower Upper

165 100

63 30.9 41.7 62.5#

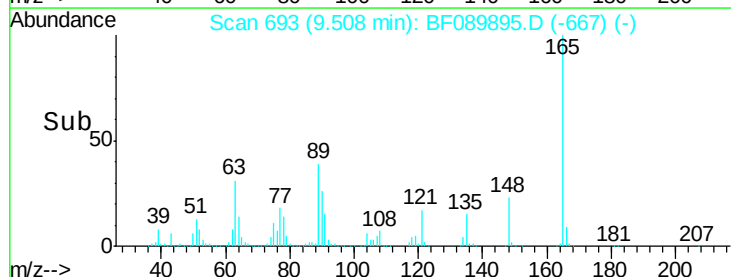
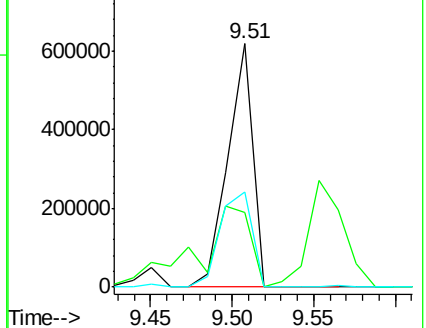
89 38.9 44.6 67.0#

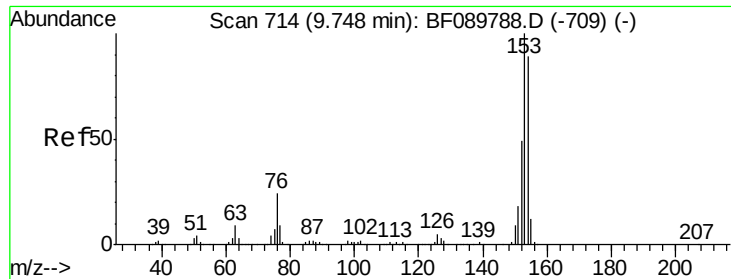


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.32 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

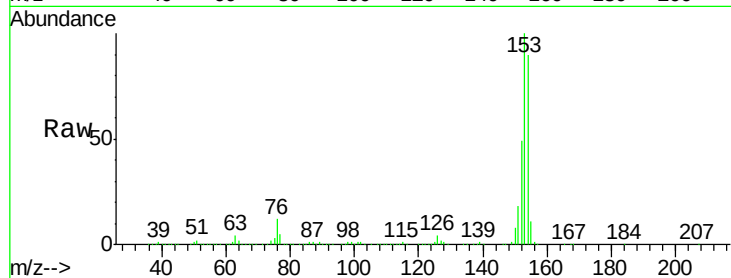
Tgt Ion:154 Resp: 2294314

Ion Ratio Lower Upper

154 100

153 111.7 90.5 135.7

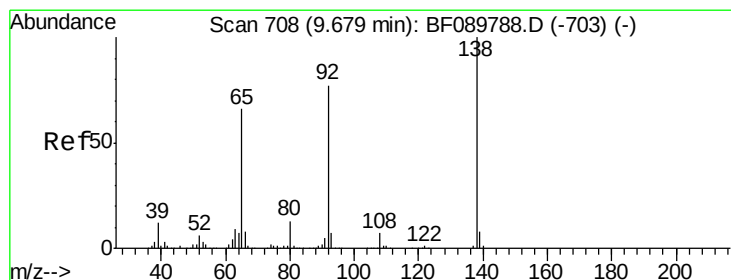
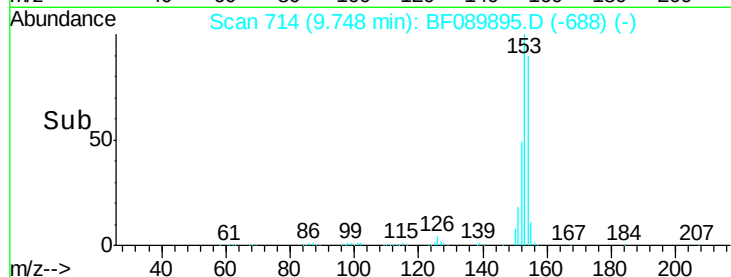
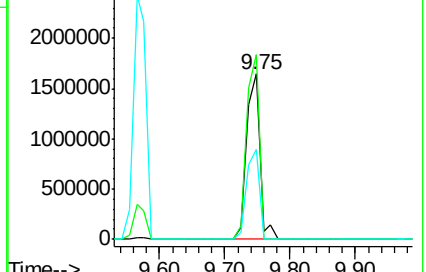
152 54.8 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 37.34 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

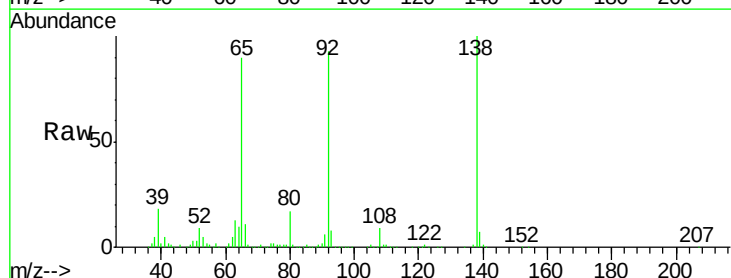
Tgt Ion:138 Resp: 535949

Ion Ratio Lower Upper

138 100

108 8.5 8.1 12.1

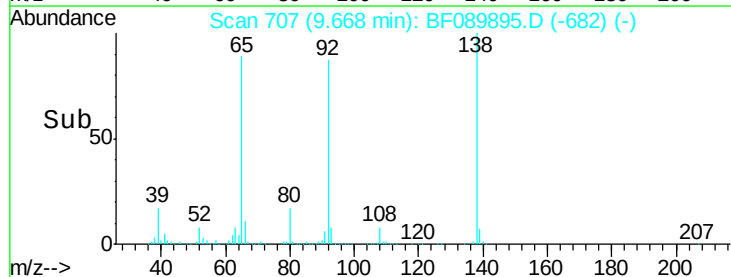
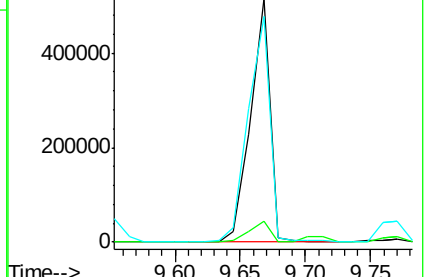
92 92.7 92.7 139.1

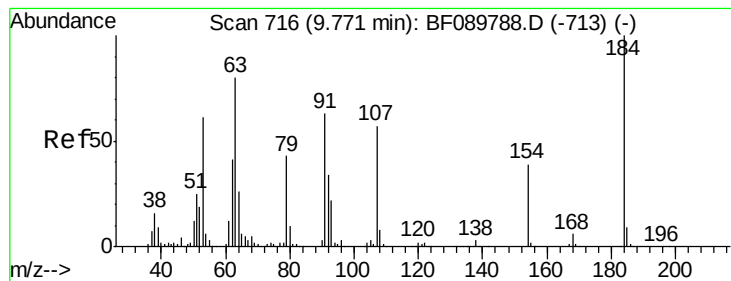


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 43.02 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

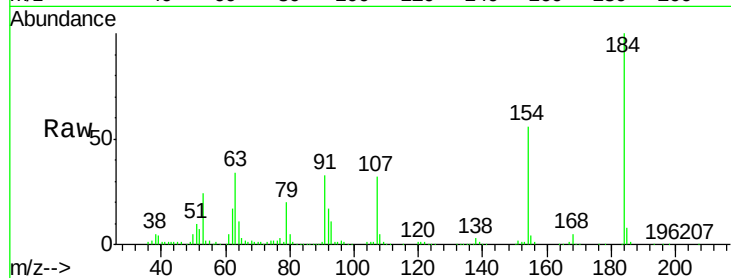
Tgt Ion:184 Resp: 259011

Ion Ratio Lower Upper

184 100

63 34.1 54.2 81.4#

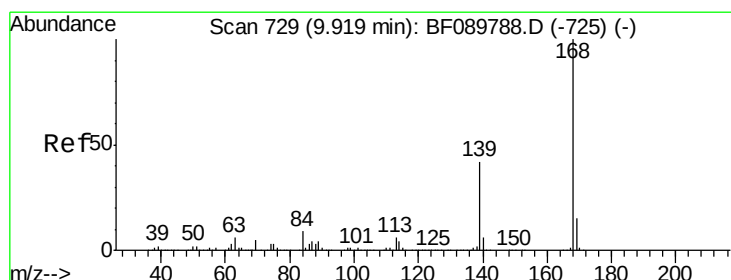
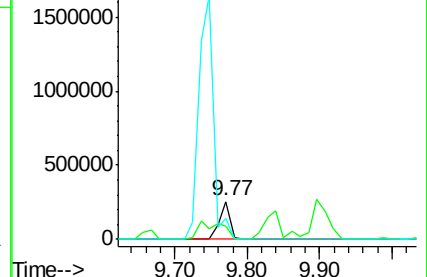
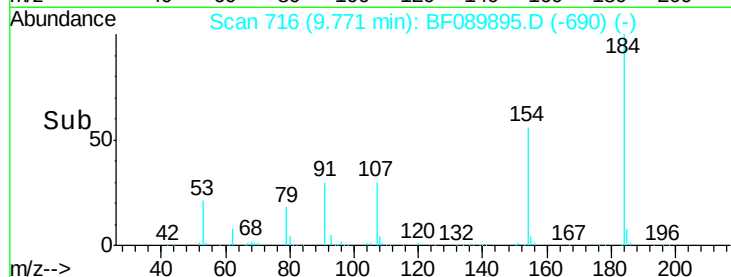
154 56.0 52.7 79.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 52.60 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

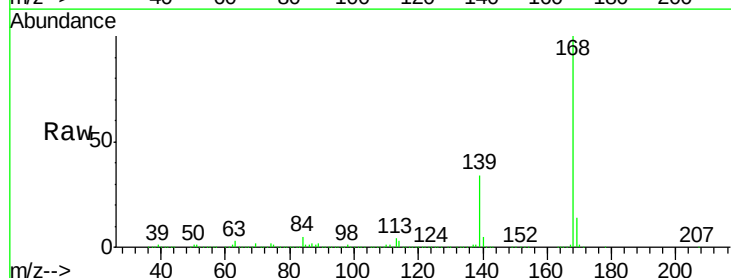
Tgt Ion:168 Resp: 3202999

Ion Ratio Lower Upper

168 100

139 34.5 34.6 52.0#

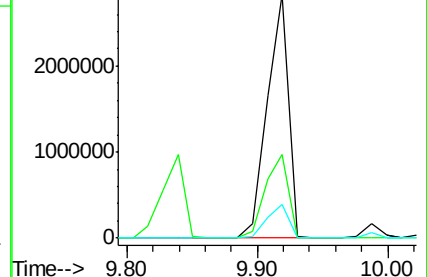
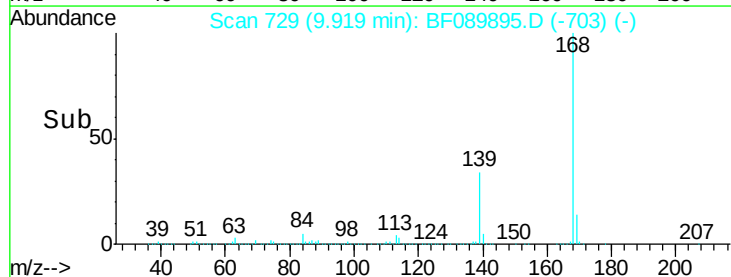
169 14.0 11.5 17.3

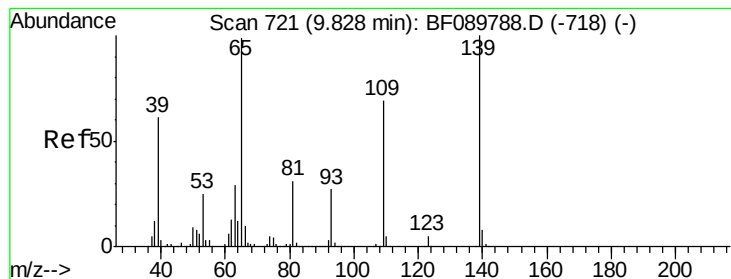


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 99.69 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

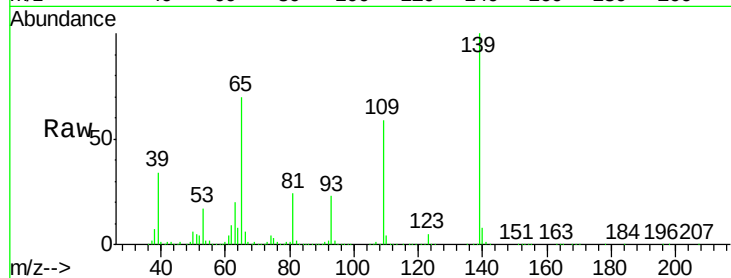
Tgt Ion:139 Resp: 1167926

Ion Ratio Lower Upper

139 100

109 59.0 43.0 83.0

65 69.5 55.7 95.7

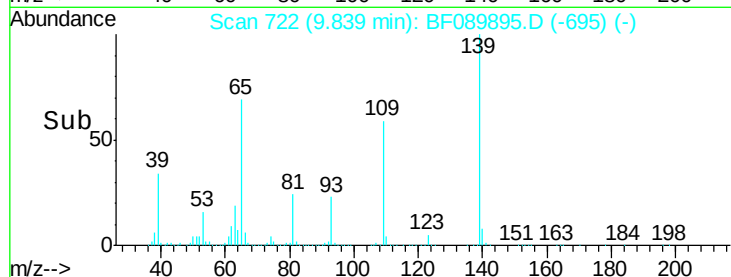


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->



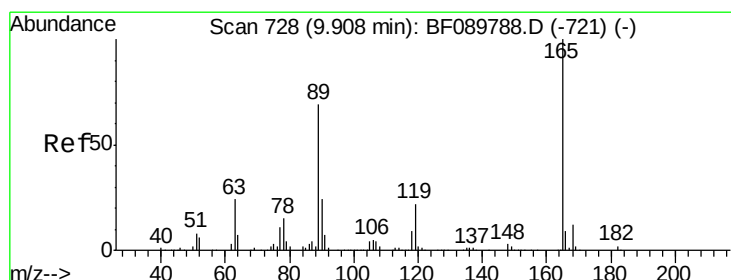
Abundance

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): E

Time-->



#56

2,4-Dinitrotoluene

Concen: 47.13 ng

RT: 9.91 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion:165 Resp: 792319

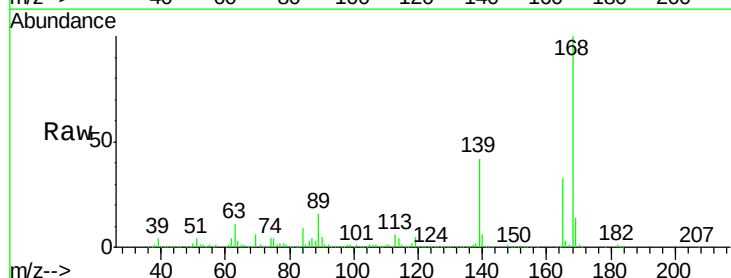
Ion Ratio Lower Upper

165 100

63 33.2 23.7 35.5

89 46.8 44.0 66.0

182 2.4 2.0 3.0



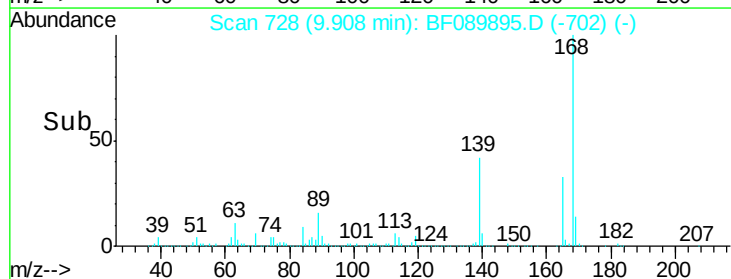
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

Time-->



Abundance

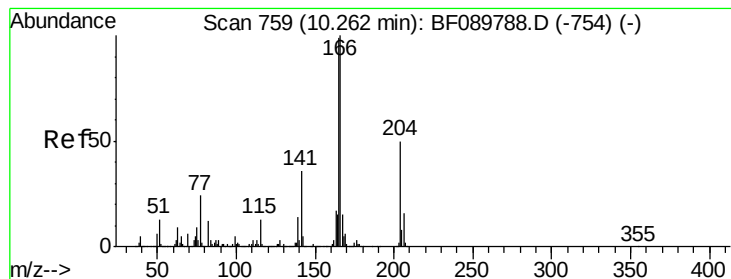
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

Time-->



#57

Fluorene

Concen: 44.79 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

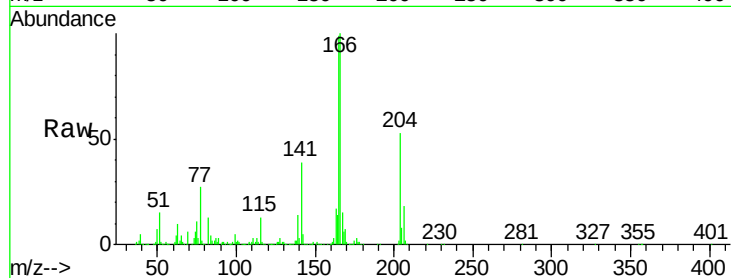
Tgt Ion:166 Resp: 2173908

Ion Ratio Lower Upper

166 100

165 99.1 80.2 120.4

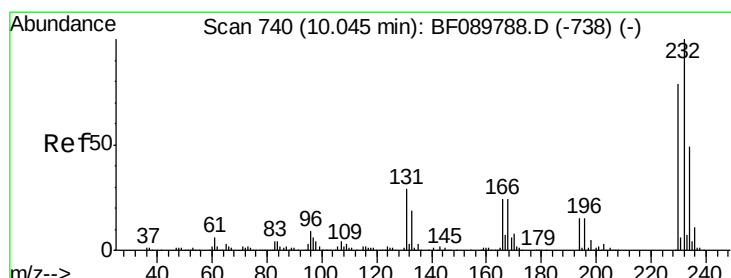
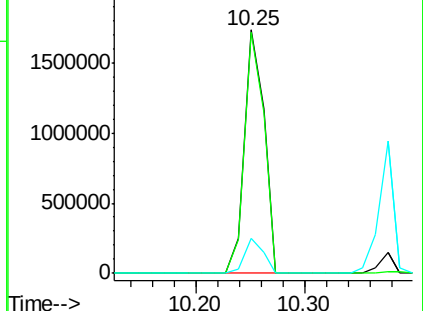
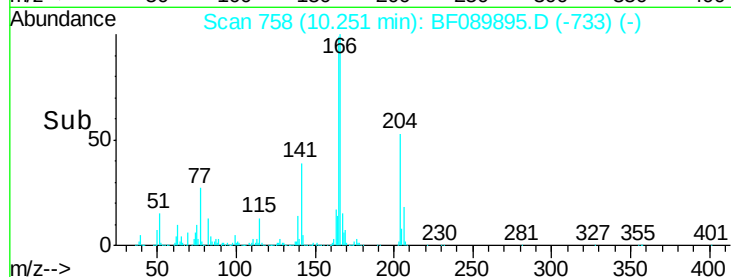
167 14.6 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.52 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Tgt Ion:232 Resp: 605444

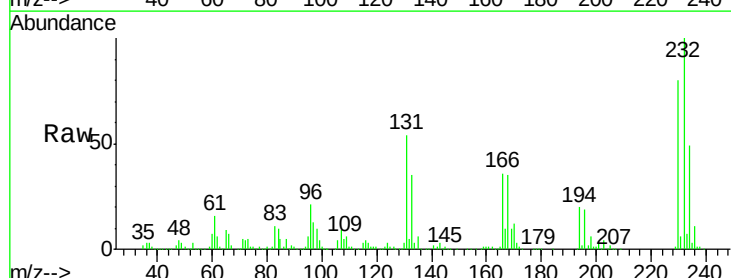
Ion Ratio Lower Upper

232 100

131 54.5 42.5 63.7

130 2.6 2.2 3.4

166 35.8 27.3 40.9

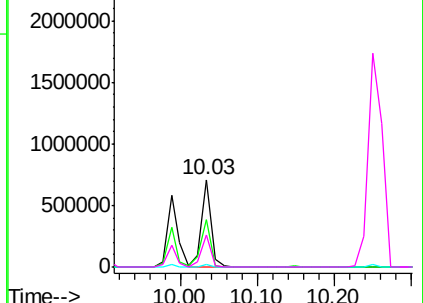
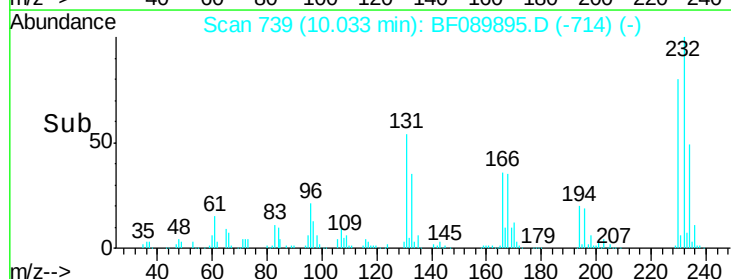


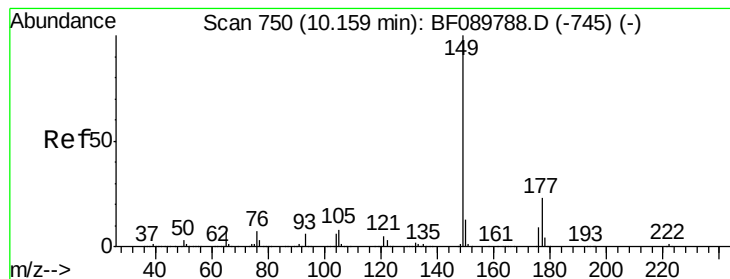
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 44.23 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

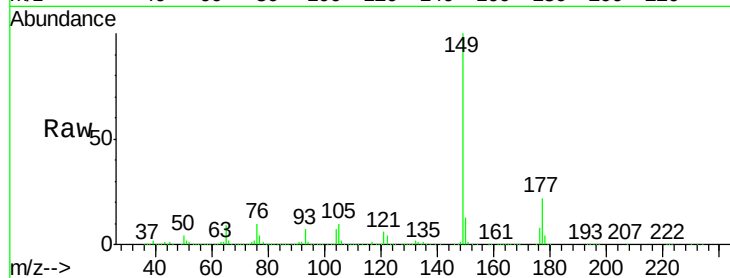
Tgt Ion:149 Resp: 2521394

Ion Ratio Lower Upper

149 100

177 21.9 16.6 25.0

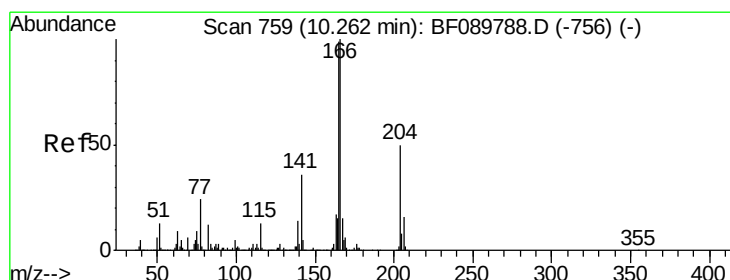
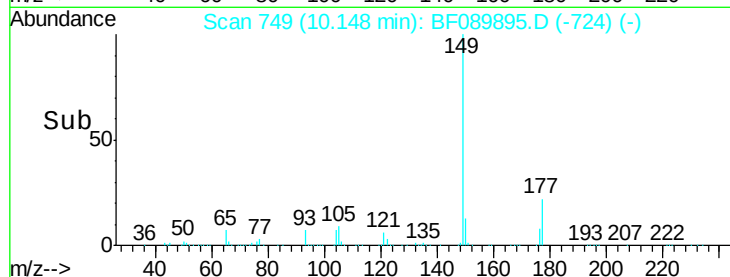
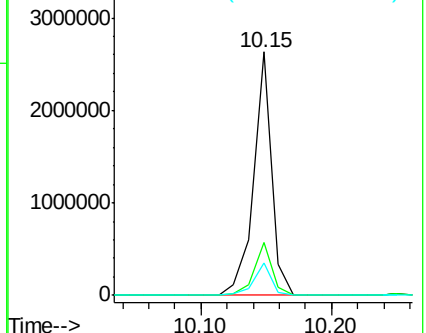
150 13.4 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.37 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

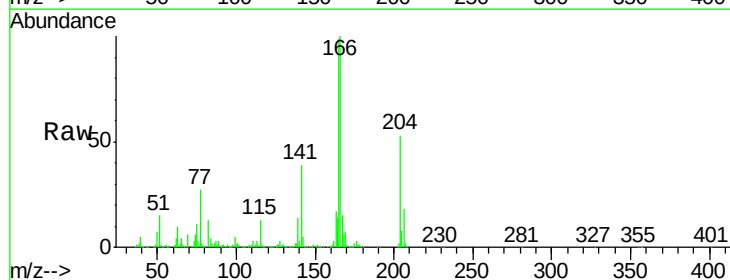
Tgt Ion:204 Resp: 915853

Ion Ratio Lower Upper

204 100

206 33.5 26.5 39.7

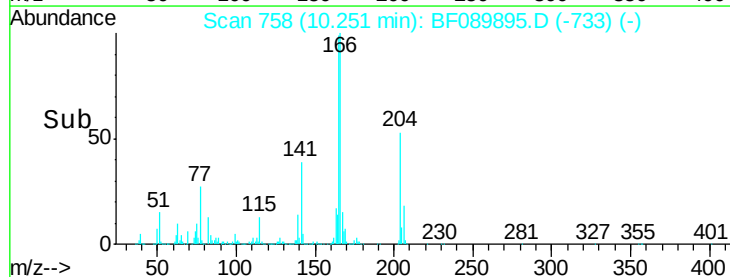
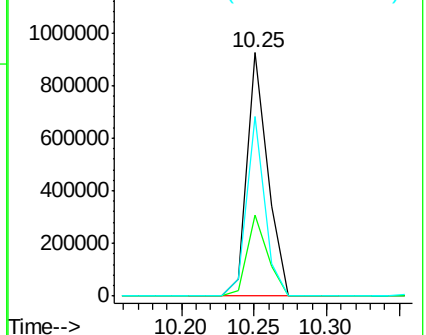
141 73.7 54.1 81.1

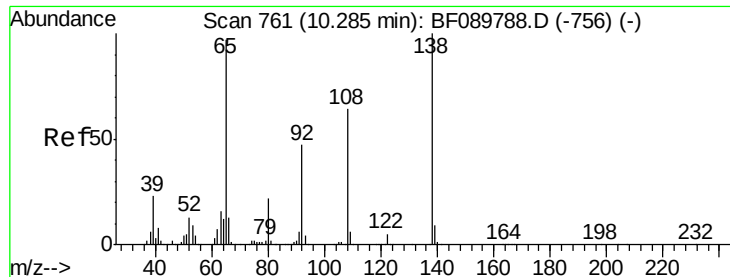


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

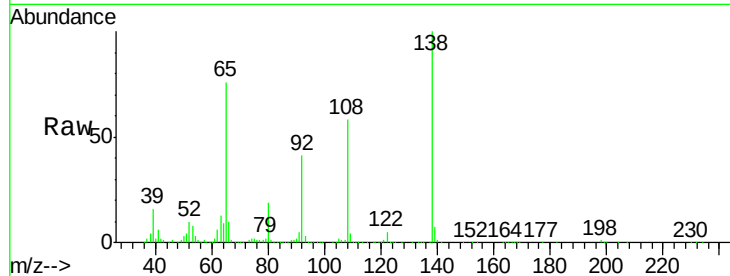




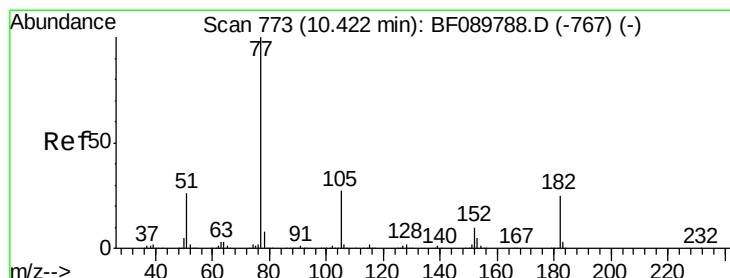
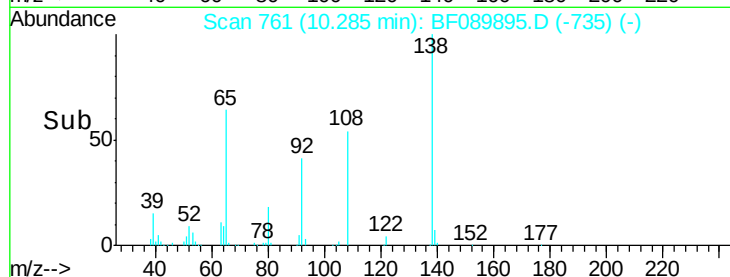
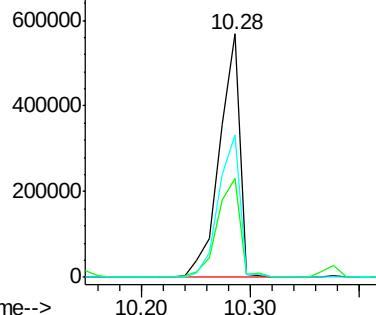
#61
4-Nitroaniline
Concen: 54.89 ng
RT: 10.28 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tgt Ion: 138 Resp: 738608
Ion Ratio Lower Upper
138 100
92 40.9 26.4 66.4
108 58.4 47.0 87.0

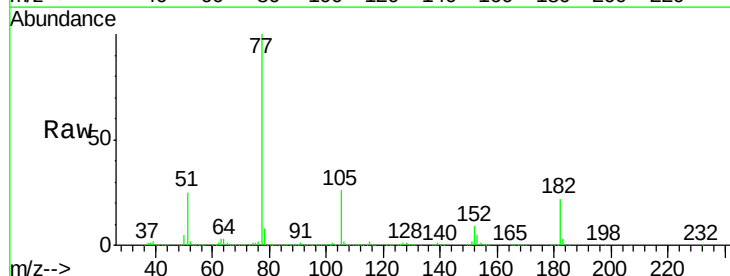


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

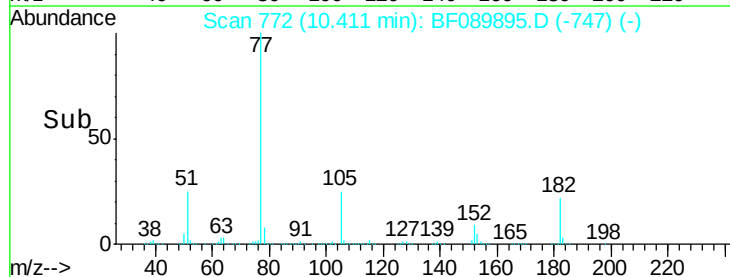
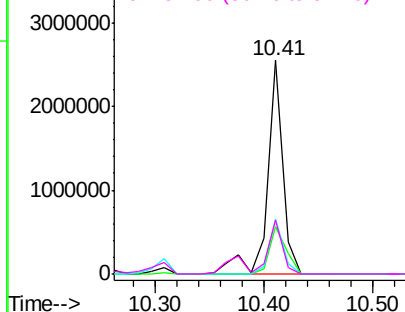


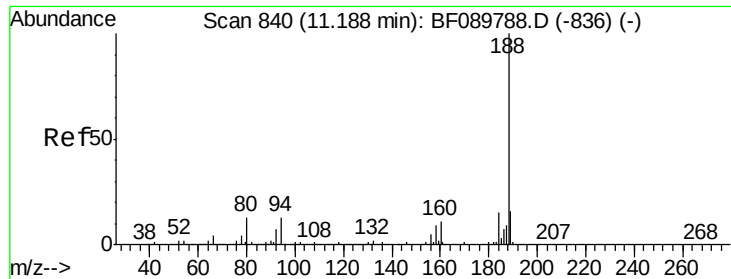
#62
Azobenzene
Concen: 47.95 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion: 77 Resp: 2570044
Ion Ratio Lower Upper
77 100
182 22.3 5.6 45.6
105 25.7 4.0 44.0
51 25.2 7.8 47.8



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

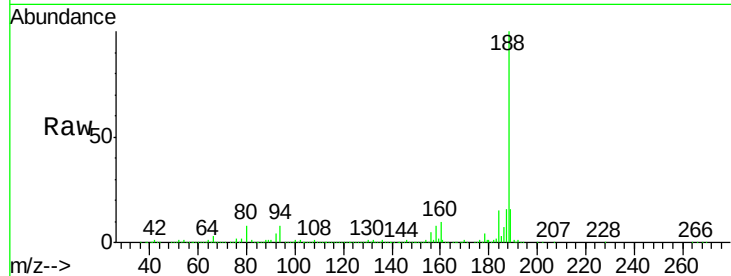
Tgt Ion:188 Resp: 1511700

Ion Ratio Lower Upper

188 100

94 7.9 10.2 15.2#

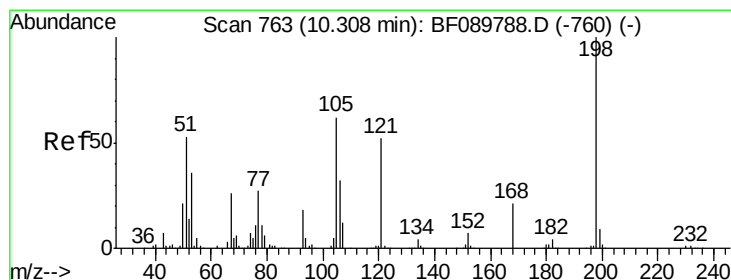
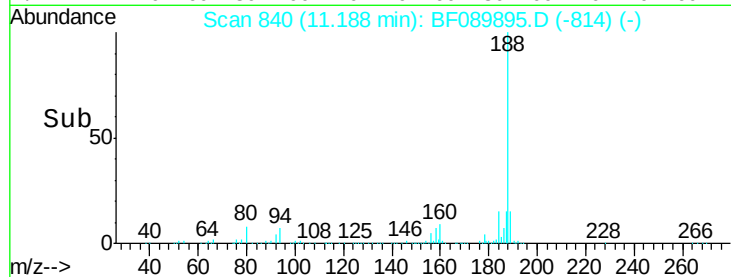
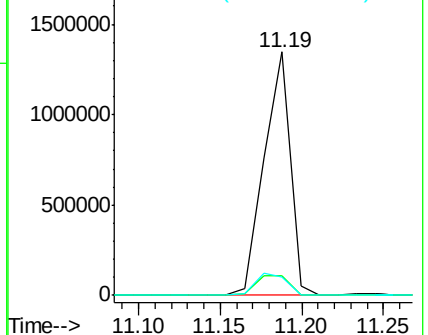
80 7.7 10.9 16.3#



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: 41.20 ng

RT: 10.31 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

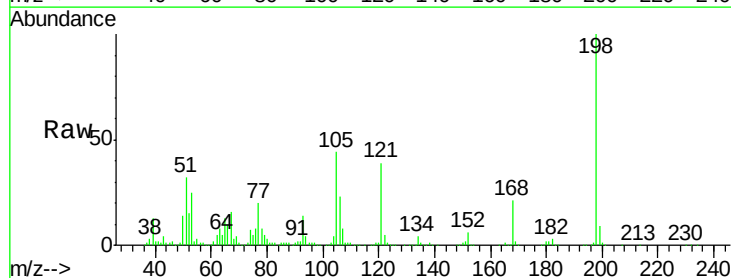
Tgt Ion:198 Resp: 357889

Ion Ratio Lower Upper

198 100

51 32.0 32.3 72.3#

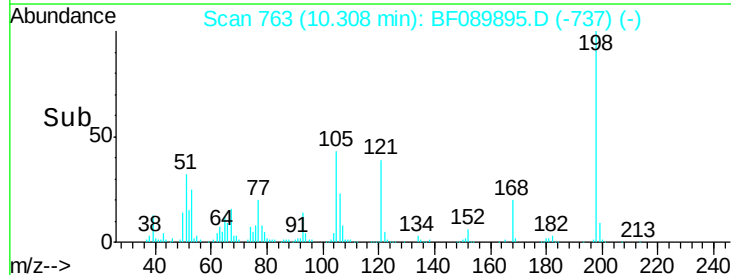
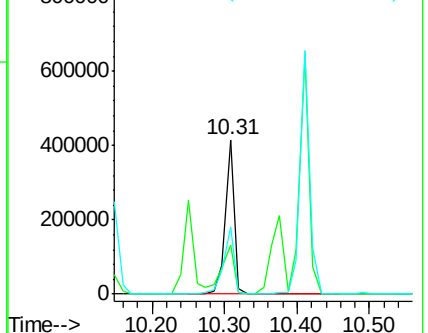
105 43.5 32.9 72.9

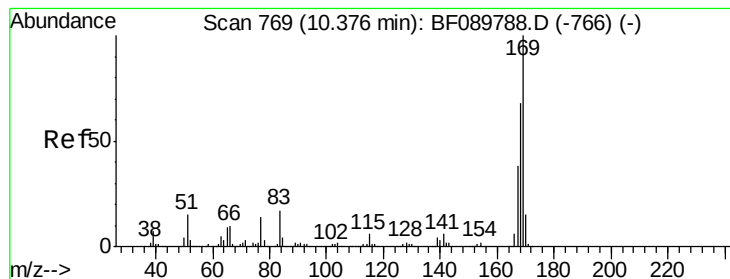


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 47.55 ng

RT: 10.38 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

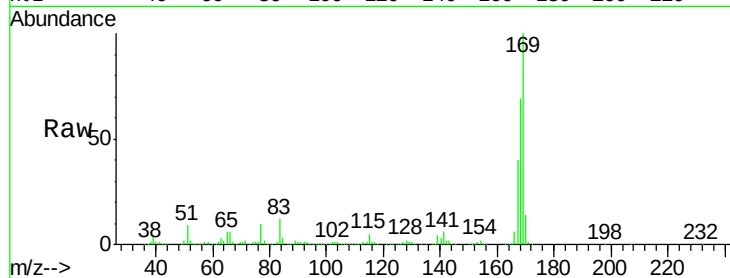
Tgt Ion:169 Resp: 2260034

Ion Ratio Lower Upper

169 100

168 69.0 54.6 82.0

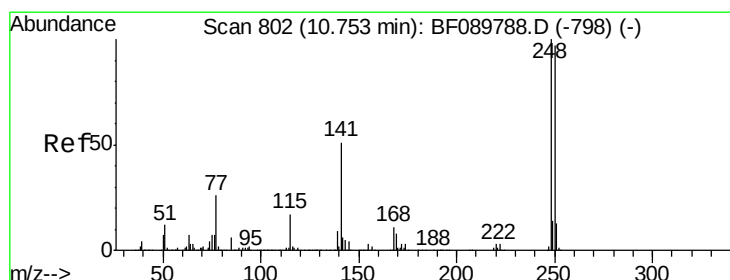
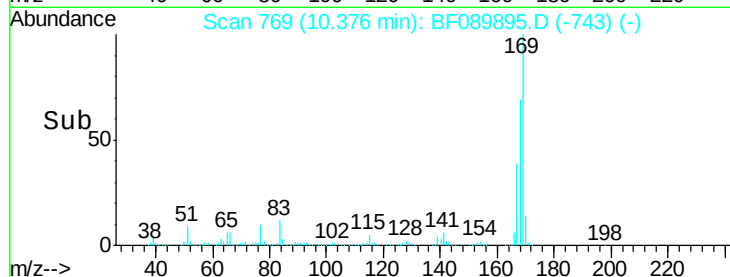
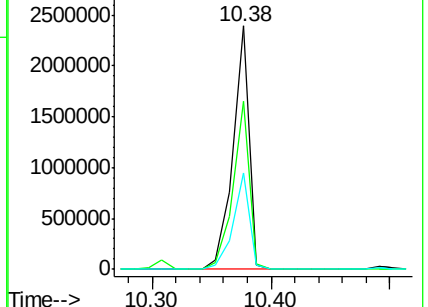
167 39.5 30.6 45.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.44 ng

RT: 10.74 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

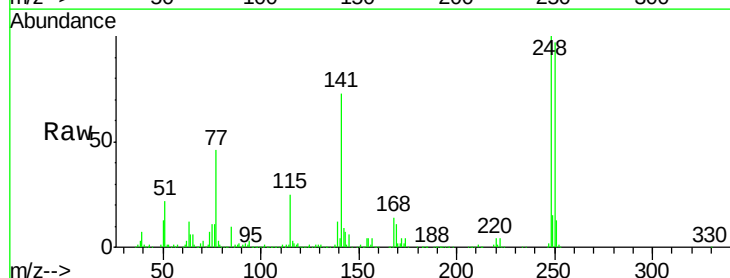
Tgt Ion:248 Resp: 688533

Ion Ratio Lower Upper

248 100

250 96.6 78.6 117.8

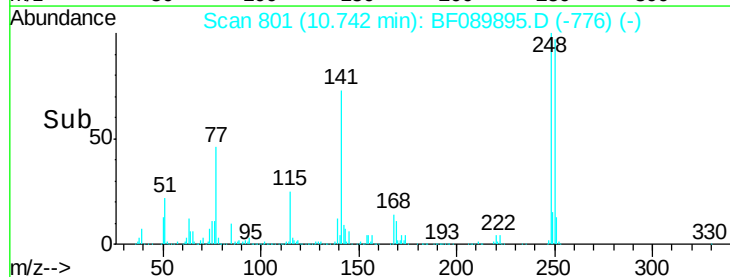
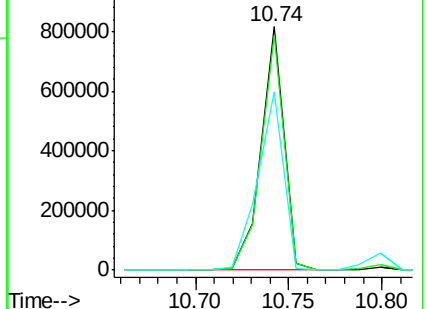
141 73.0 31.4 47.2#

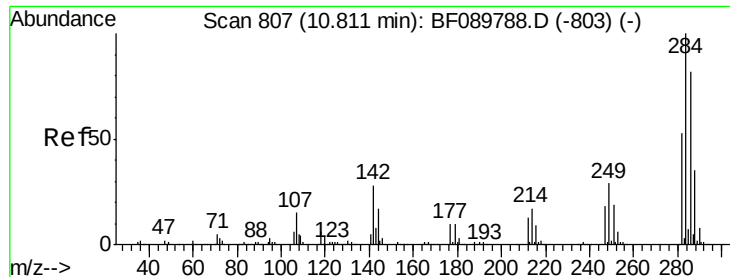


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

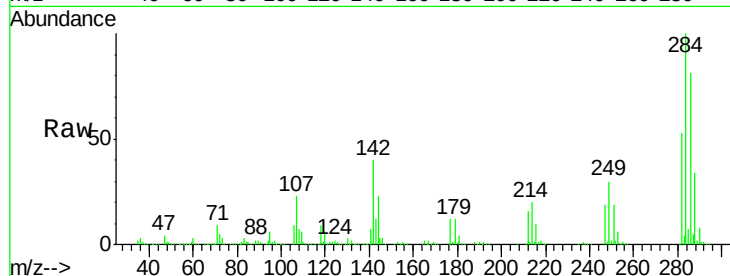




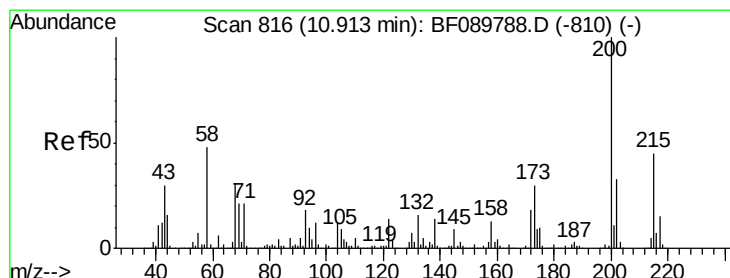
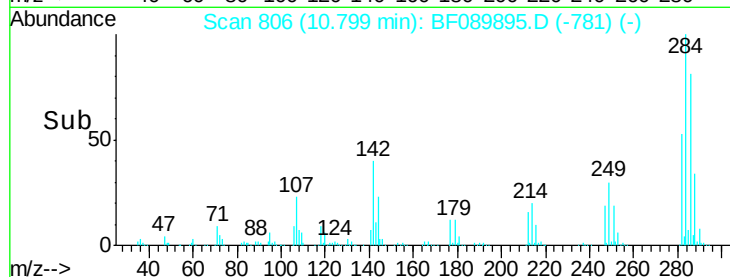
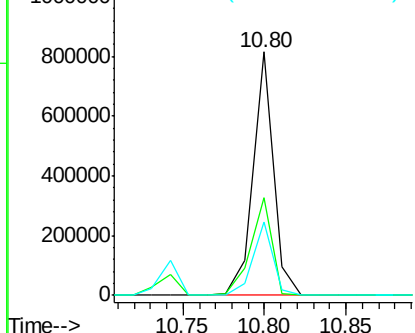
#67
Hexachlorobenzene
Concen: 39.16 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tgt Ion: 284 Resp: 708070
Ion Ratio Lower Upper
284 100
142 40.1 17.4 26.2#
249 30.1 22.8 34.2

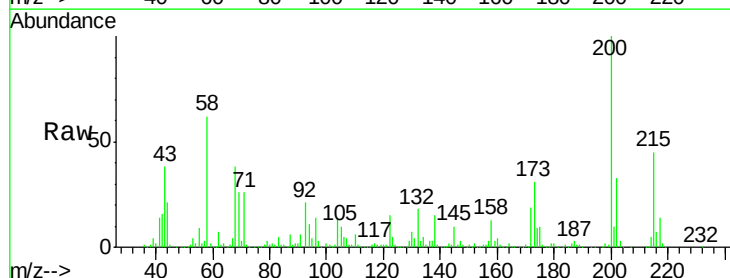


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

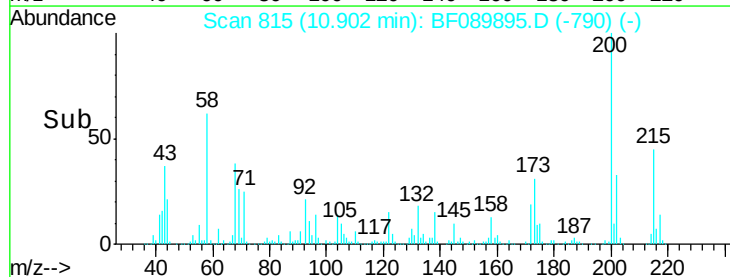
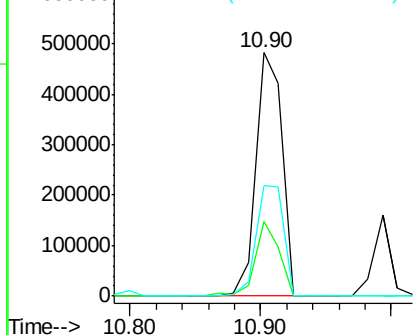


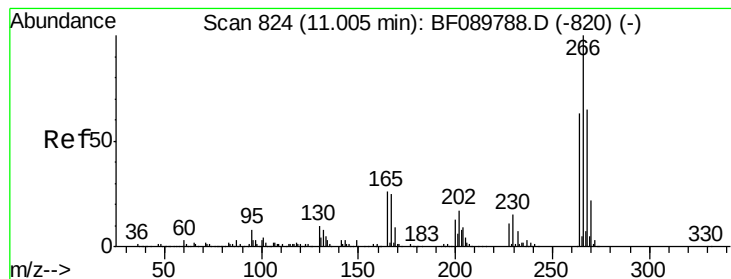
#68
Atrazine
Concen: 46.22 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion: 200 Resp: 672821
Ion Ratio Lower Upper
200 100
173 30.8 6.6 46.6
215 45.4 24.7 64.7



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





#69

Pentachlorophenol

Concen: 74.10 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

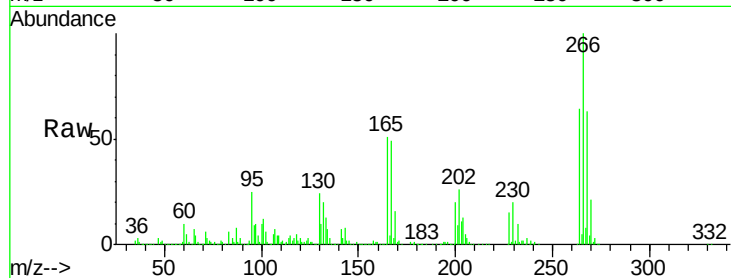
Tgt Ion:266 Resp: 759421

Ion Ratio Lower Upper

266 100

268 63.3 53.2 79.8

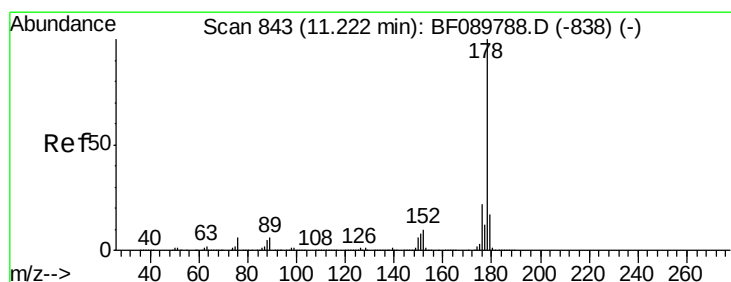
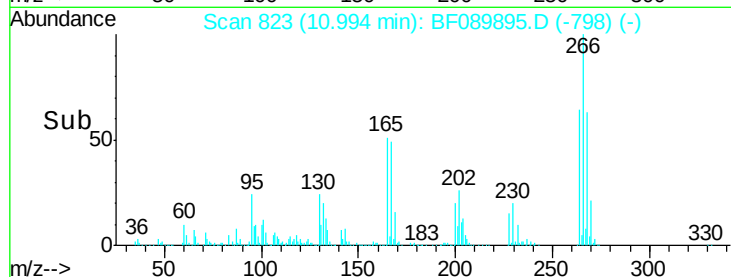
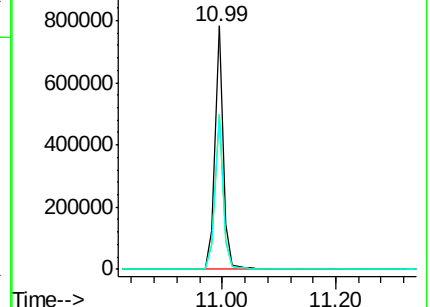
264 64.0 51.1 76.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 43.72 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

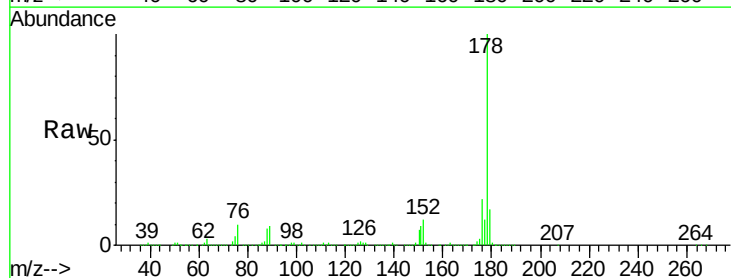
Tgt Ion:178 Resp: 3337910

Ion Ratio Lower Upper

178 100

176 22.4 16.4 24.6

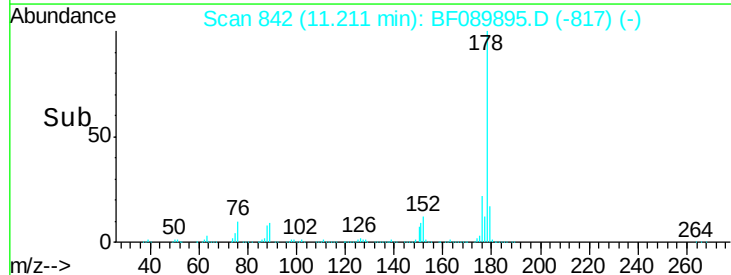
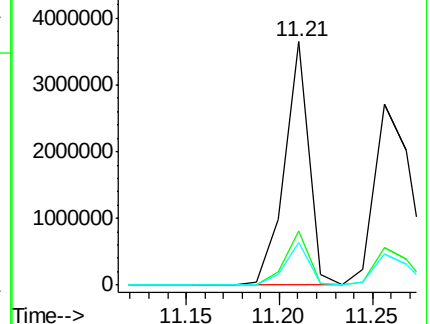
179 17.4 12.5 18.7

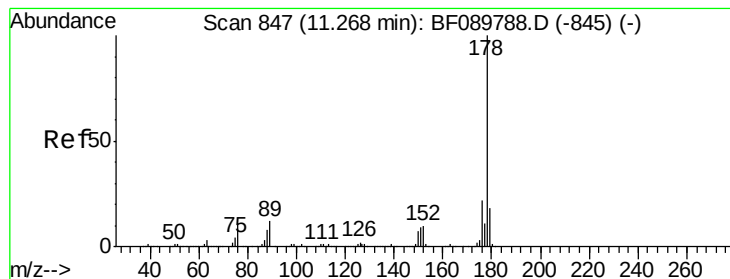


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 44.40 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

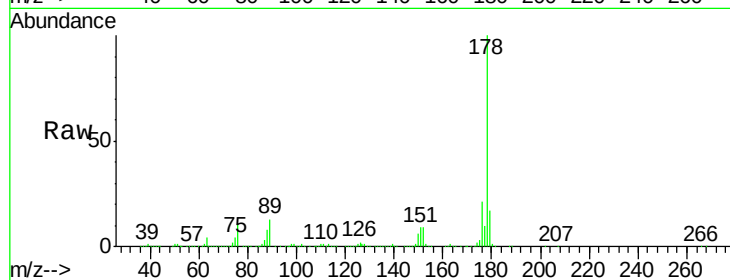
Tgt Ion:178 Resp: 3445672

Ion Ratio Lower Upper

178 100

176 20.6 16.4 24.6

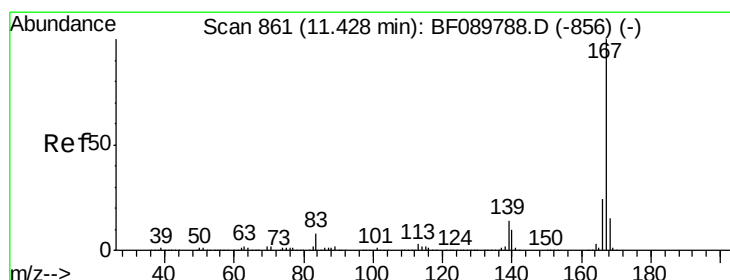
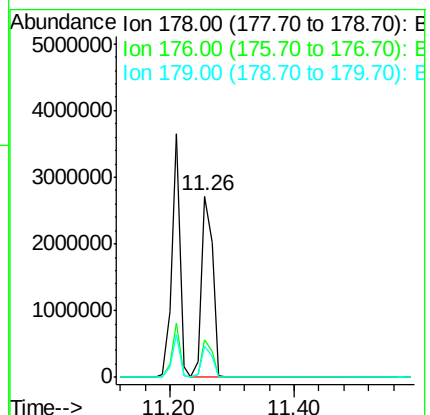
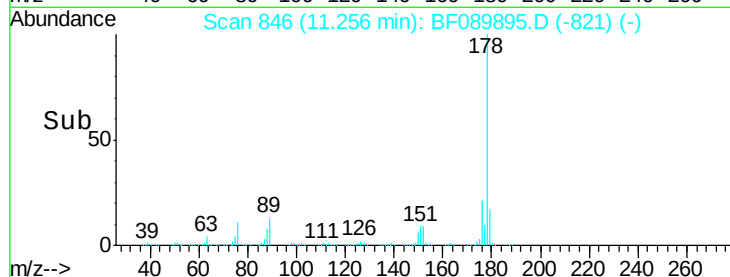
179 17.2 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.34 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

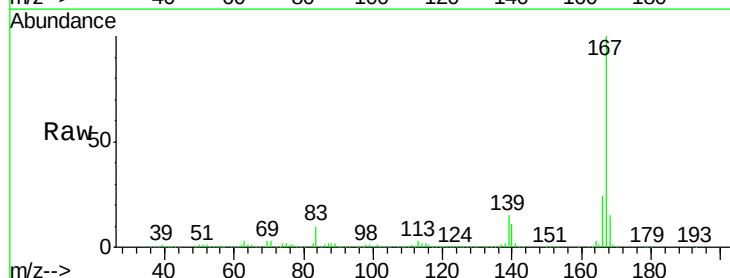
Tgt Ion:167 Resp: 3086439

Ion Ratio Lower Upper

167 100

166 23.8 17.9 26.9

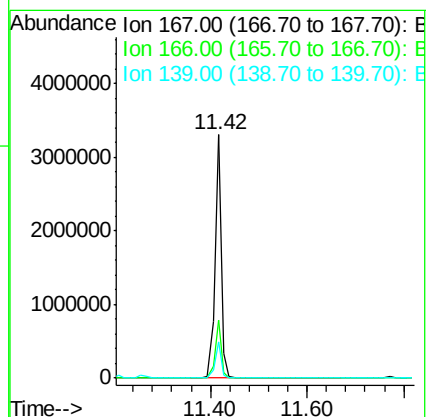
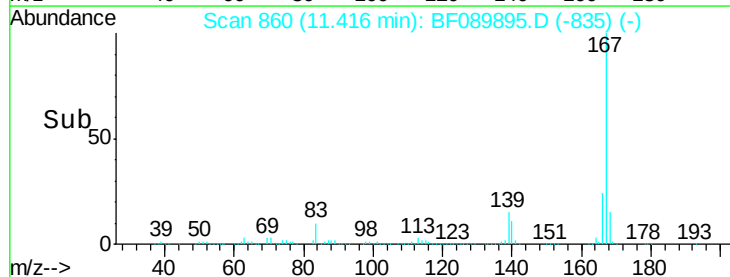
139 14.9 12.4 18.6

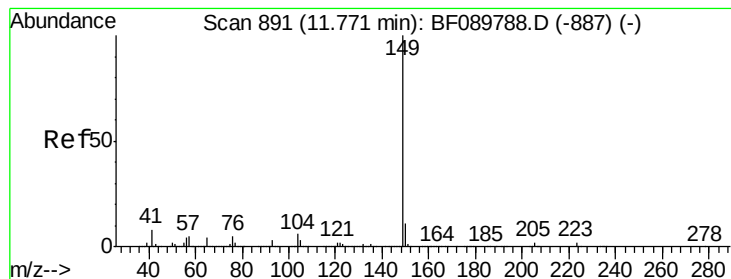


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.94 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

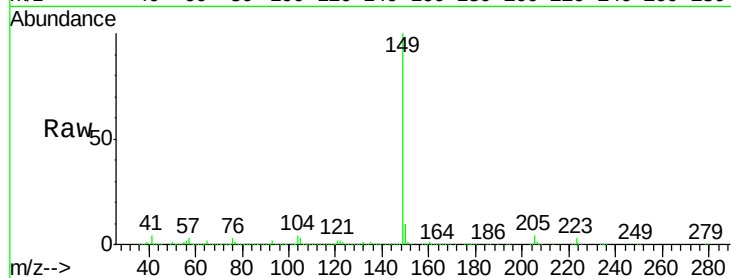
Tgt Ion:149 Resp: 4174995

Ion Ratio Lower Upper

149 100

150 10.4 7.9 11.9

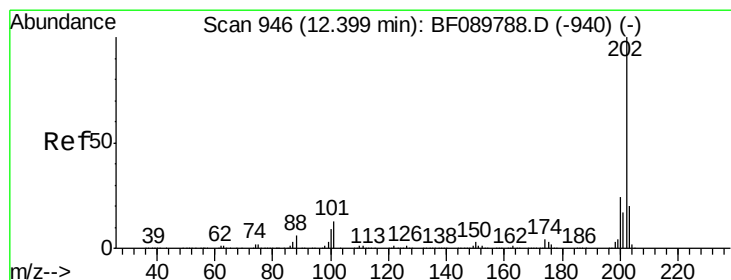
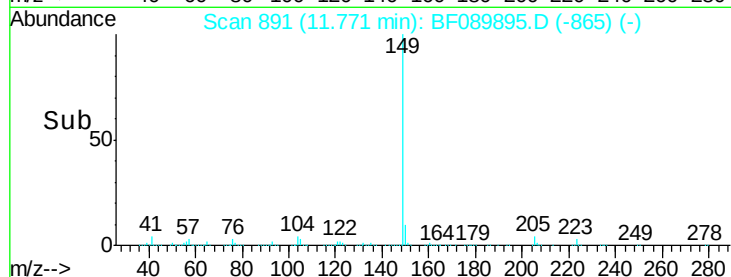
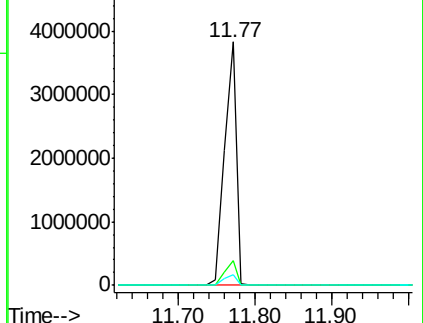
104 4.3 4.3 6.5#



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: 42.98 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

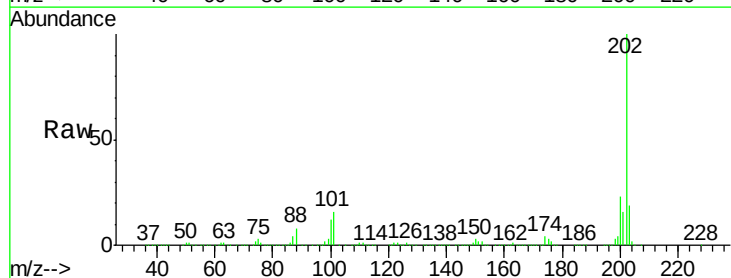
Tgt Ion:202 Resp: 3121457

Ion Ratio Lower Upper

202 100

101 16.5 0.0 31.2

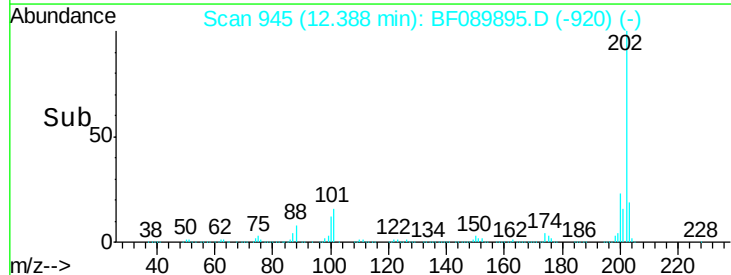
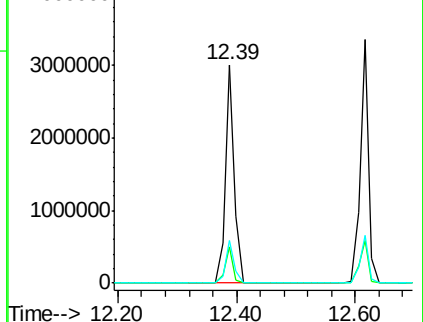
203 19.3 0.0 38.1

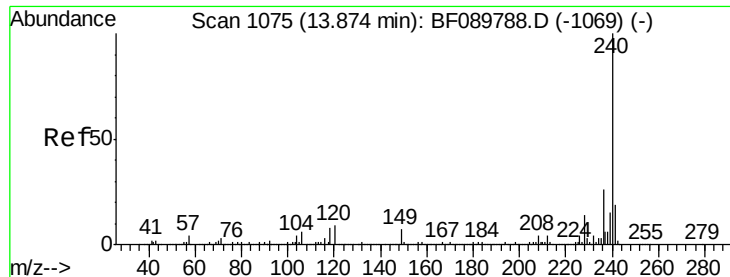


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

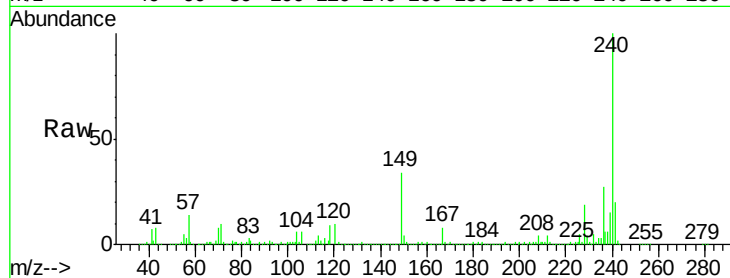
Tgt Ion:240 Resp: 1209569

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

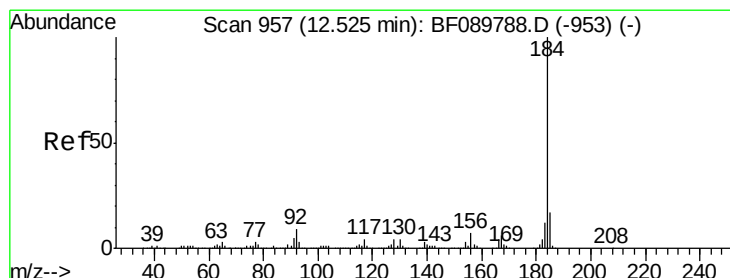
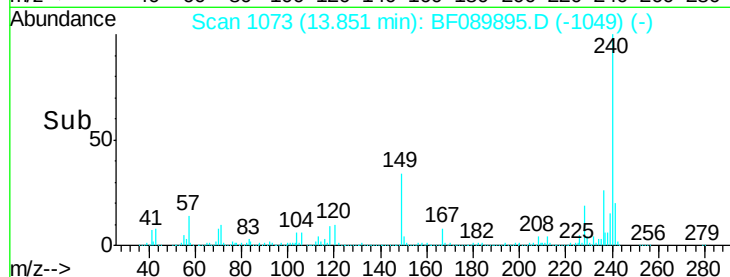
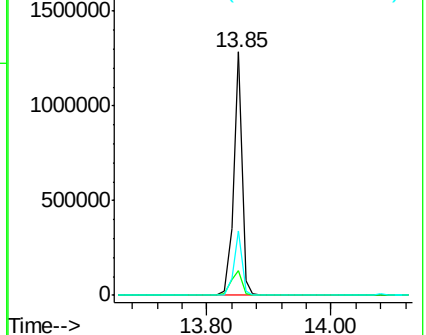
236 26.5 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.59 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

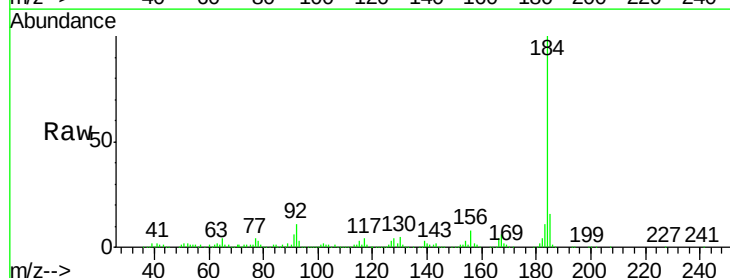
Tgt Ion:184 Resp: 1432367

Ion Ratio Lower Upper

184 100

185 15.8 13.8 20.8

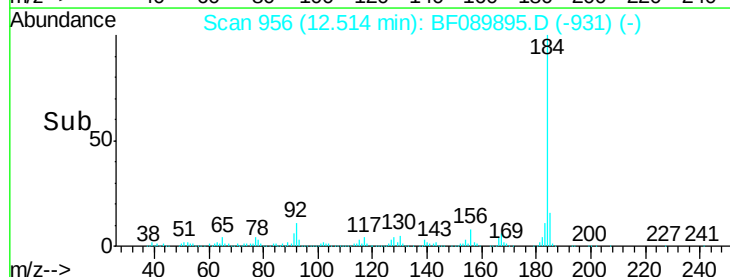
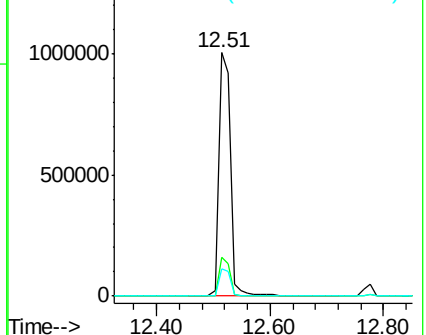
183 11.1 9.7 14.5

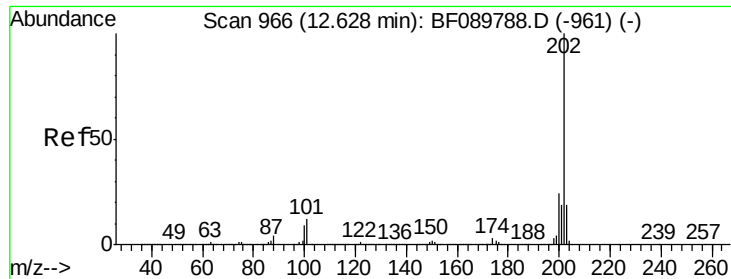


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 32.93 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD

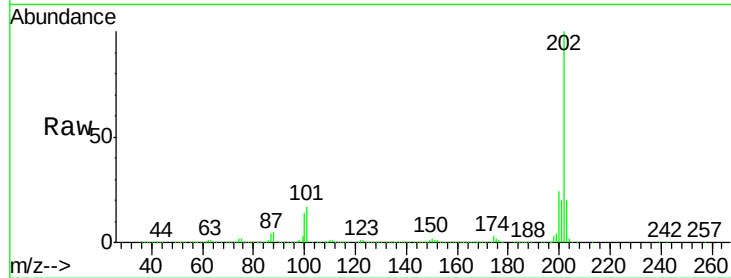
Tgt Ion:202 Resp: 3243340

Ion Ratio Lower Upper

202 100

200 24.4 17.8 26.6

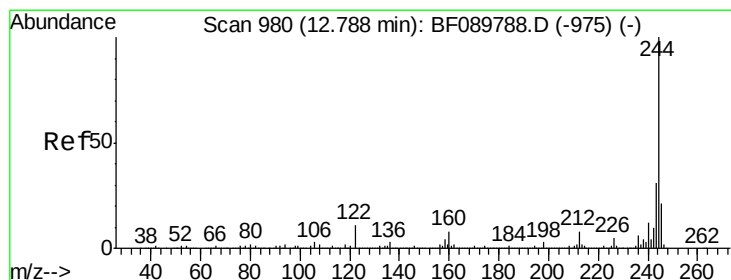
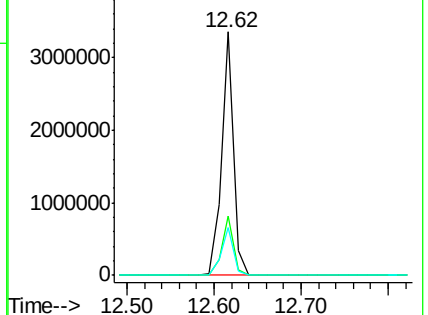
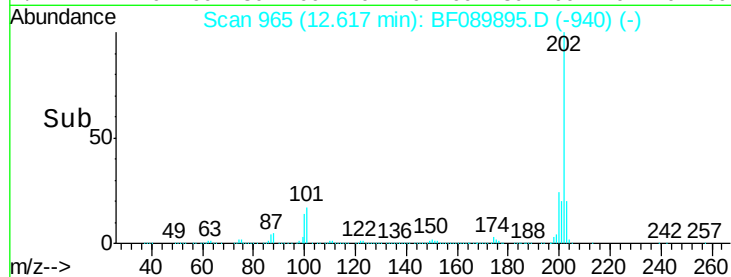
203 19.6 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.15 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089895.D

Acq: 25 Aug 2016 2:00

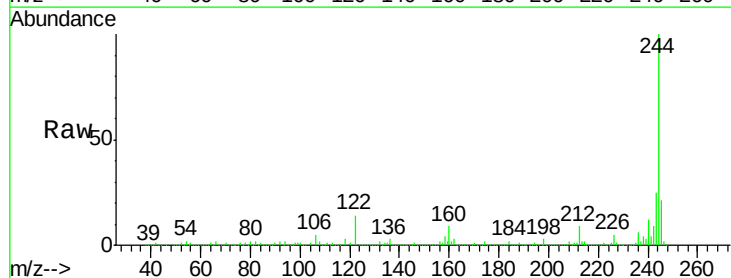
Tgt Ion:244 Resp: 3216243

Ion Ratio Lower Upper

244 100

212 8.5 6.3 9.5

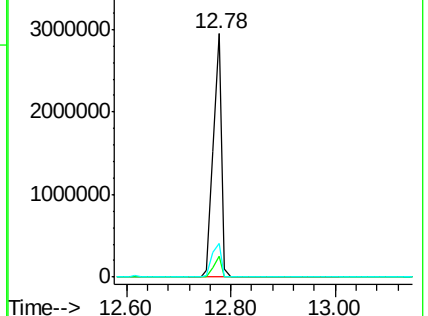
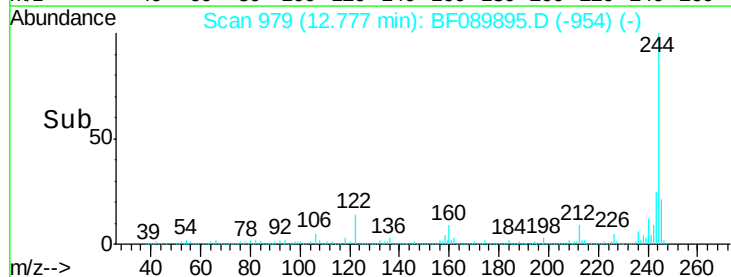
122 13.9 12.0 18.0

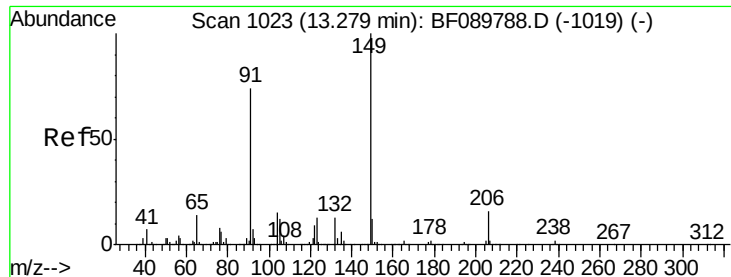


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

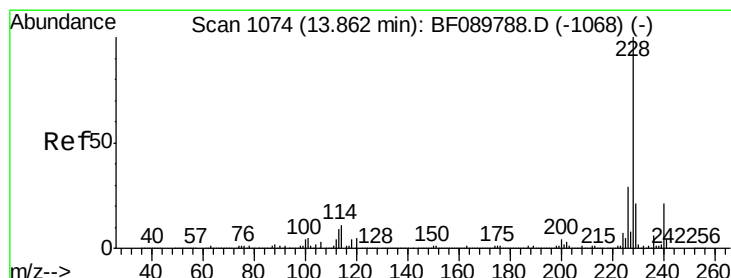
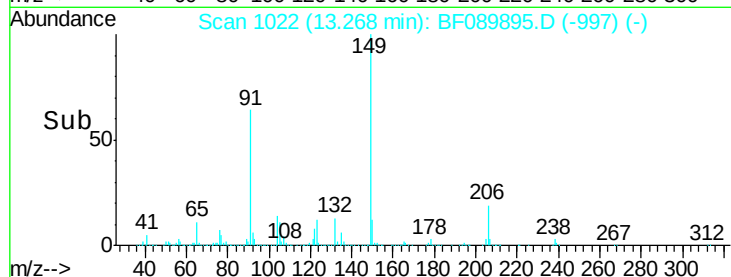
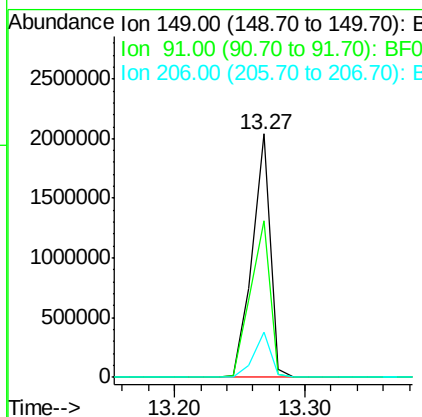
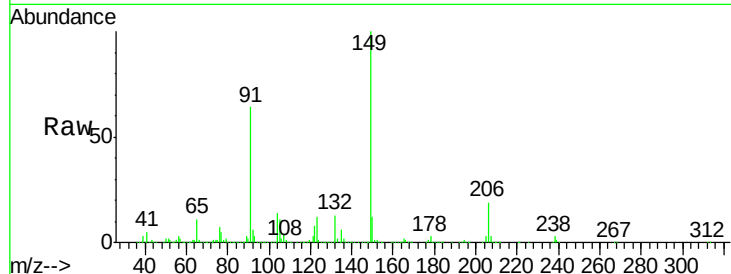




#79
Butylbenzylphthalate
Concen: 44.31 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

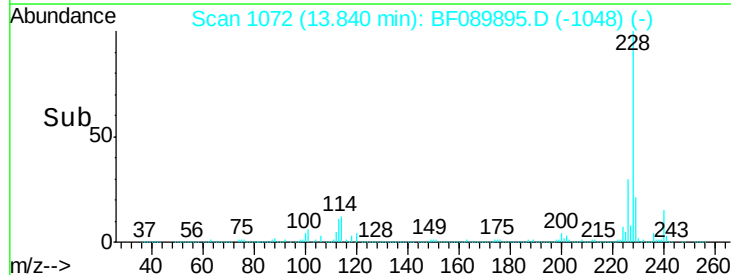
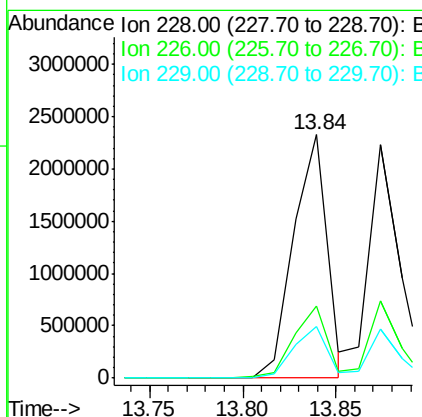
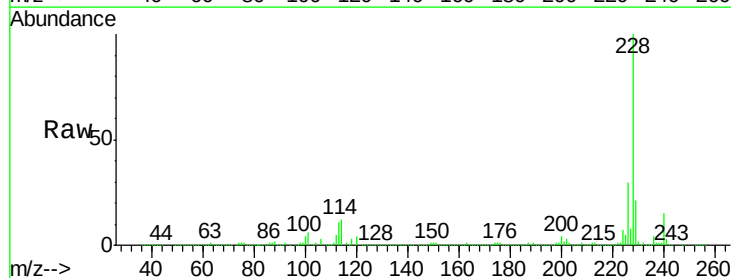
Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

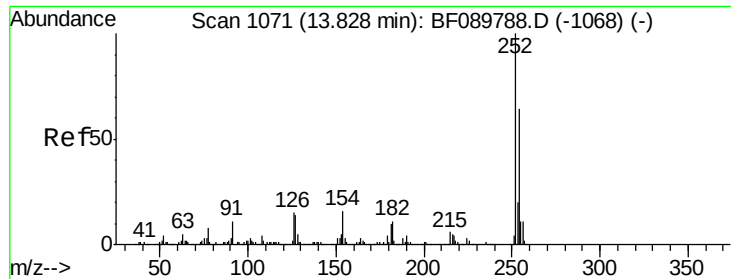
Tgt Ion:149 Resp: 1971191
Ion Ratio Lower Upper
149 100
91 64.3 50.7 76.1
206 18.8 15.5 23.3



#80
Benzo(a)anthracene
Concen: 42.31 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.02 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:228 Resp: 2930567
Ion Ratio Lower Upper
228 100
226 29.8 23.2 34.8
229 21.2 16.2 24.4

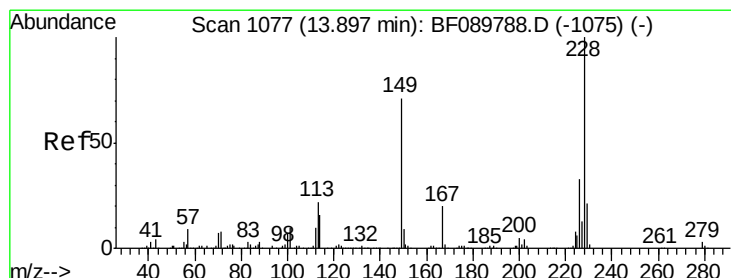
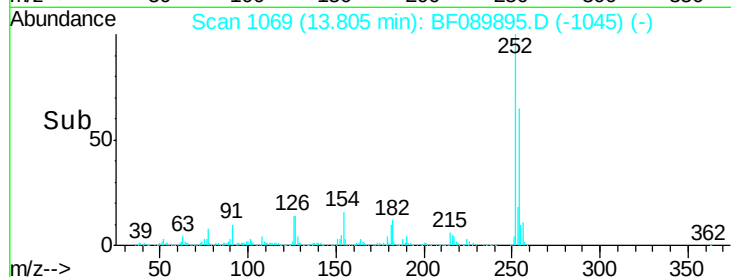
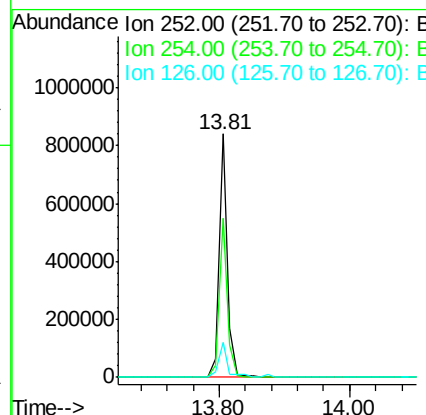
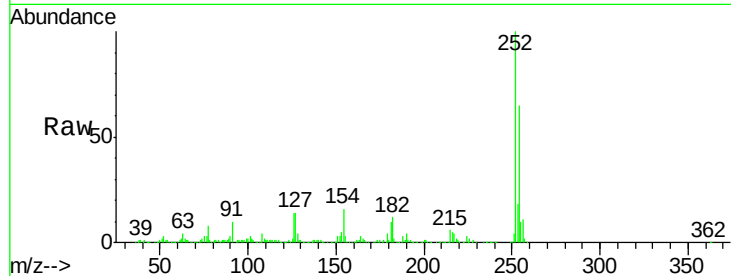




#81
 3,3'-Dichlorobenzidine
 Concen: 33.49 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

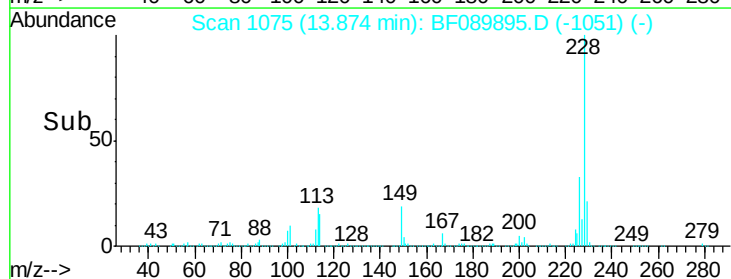
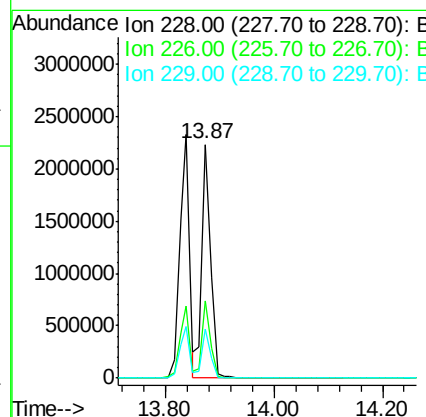
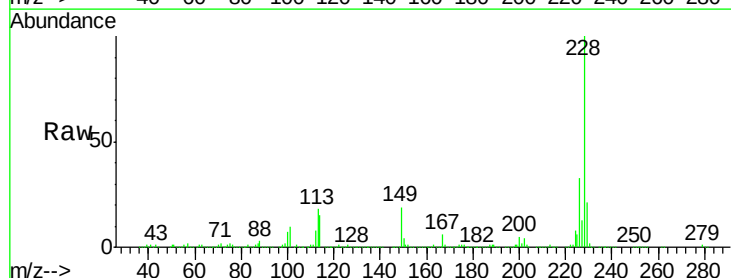
Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

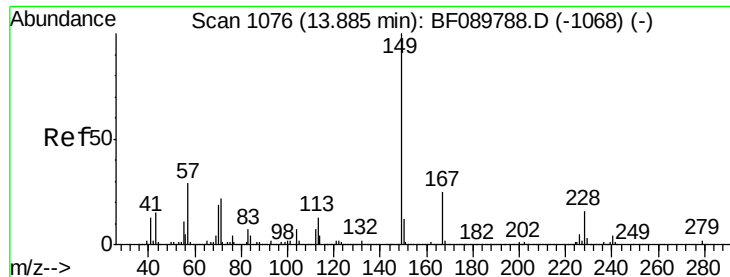
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.6	75.8
126	14.3	12.6	18.8



#82
 Chrysene
 Concen: 41.59 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.4	38.0
229	21.1	16.5	24.7

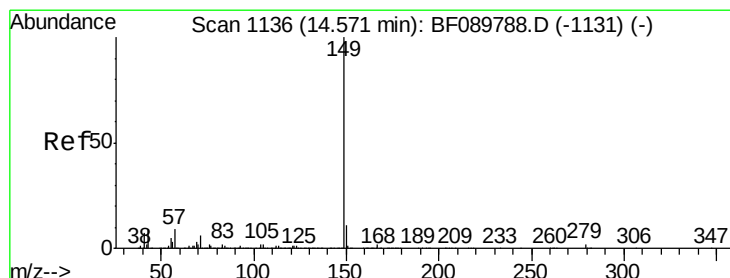
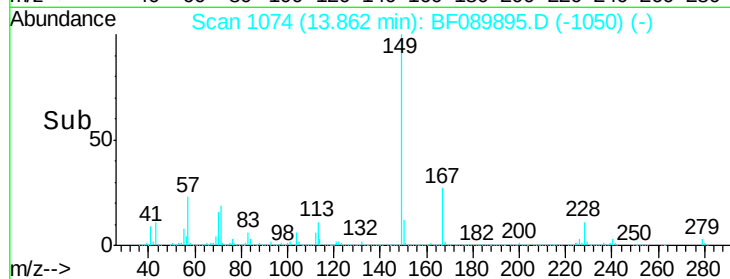
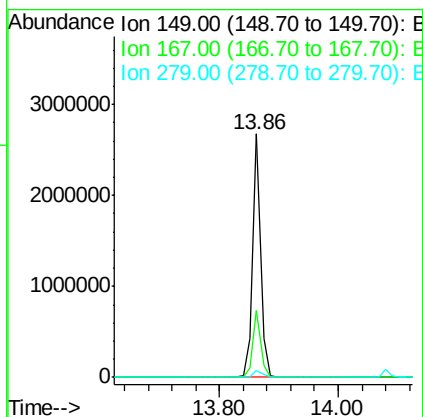
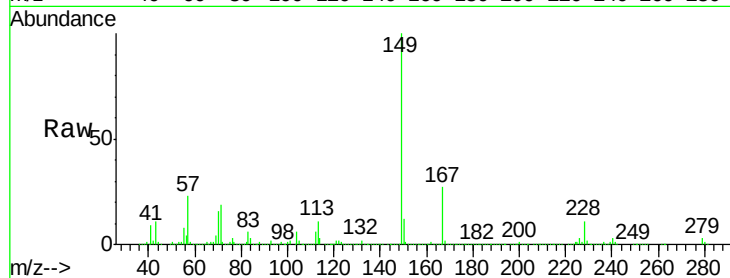




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.22 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.02 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

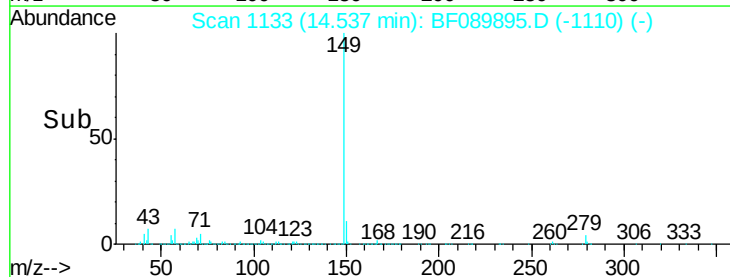
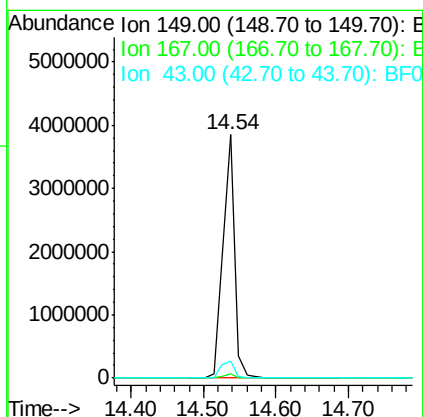
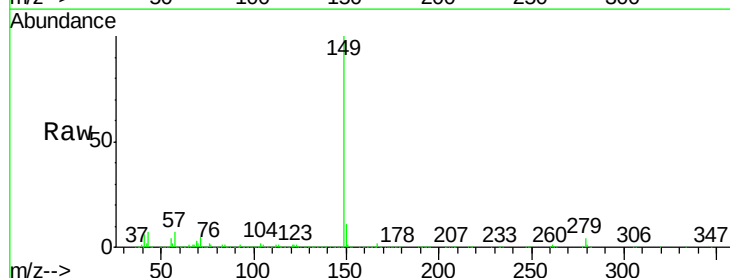
Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

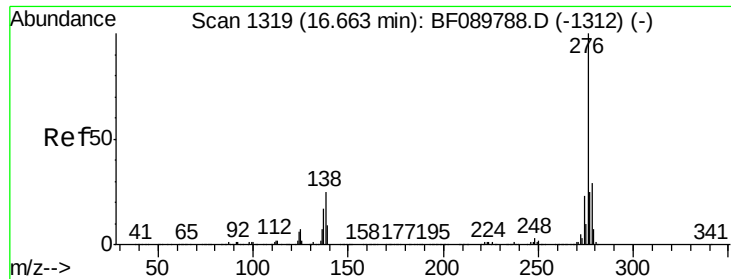
Tgt Ion:149 Resp: 2464929
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.2 31.8
 279 2.7 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 52.19 ng
 RT: 14.54 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:149 Resp: 4249904
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.5 8.4 12.6

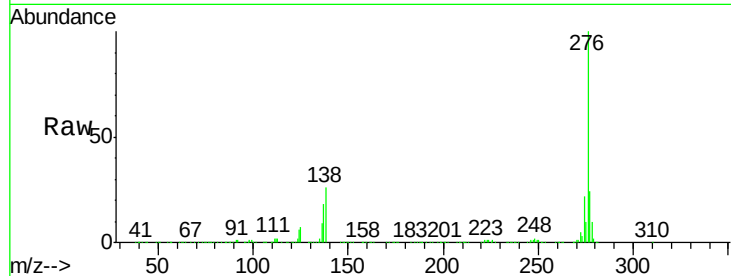




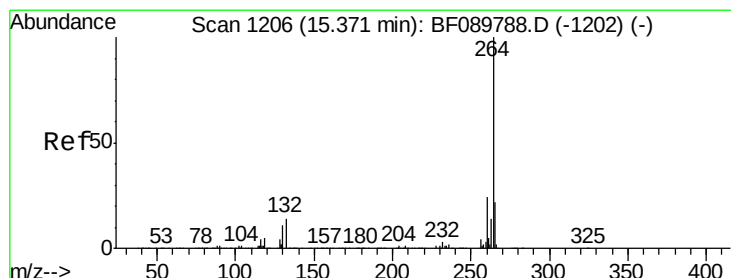
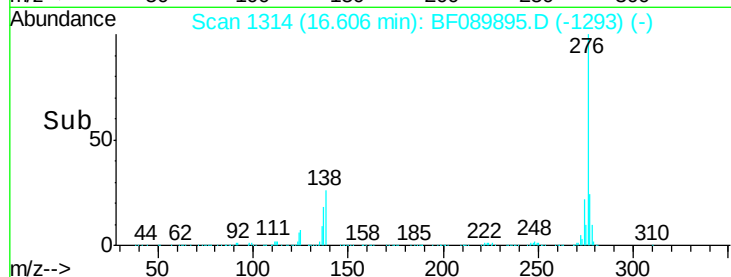
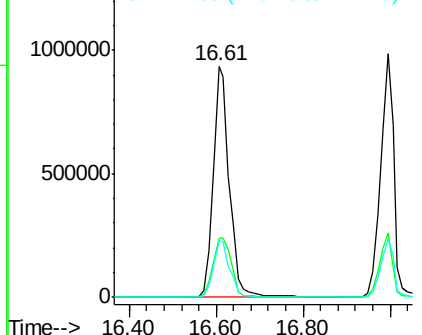
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.59 ng
 RT: 16.61 min Scan# 1314
 Delta R.T. -0.06 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-15A-(18-20)MSD

Tgt Ion:276 Resp: 2469589
 Ion Ratio Lower Upper
 276 100
 138 29.7 24.6 36.8
 277 25.4 20.4 30.6

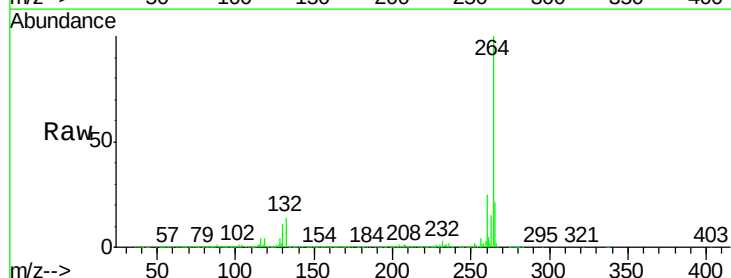


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

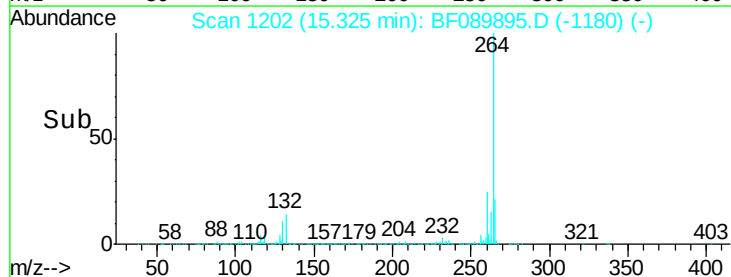
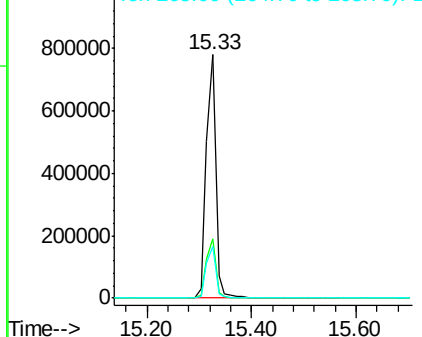


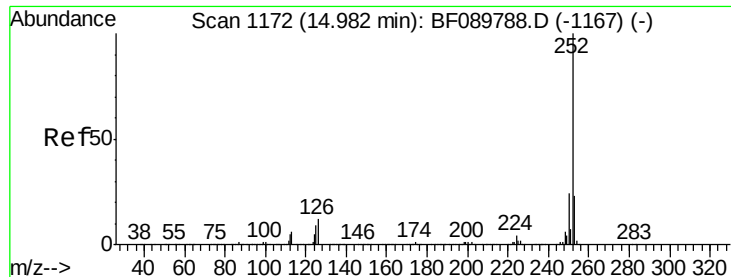
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.05 min
 Lab File: BF089895.D
 Acq: 25 Aug 2016 2:00

Tgt Ion:264 Resp: 983040
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.2
 265 21.5 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

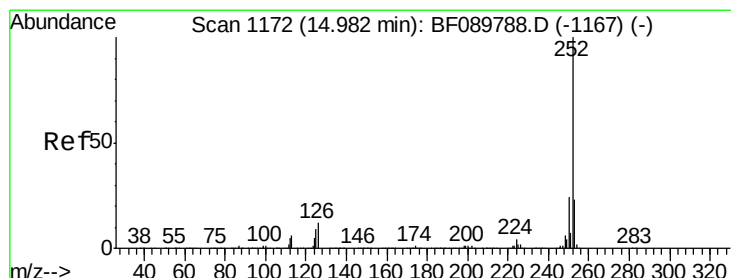
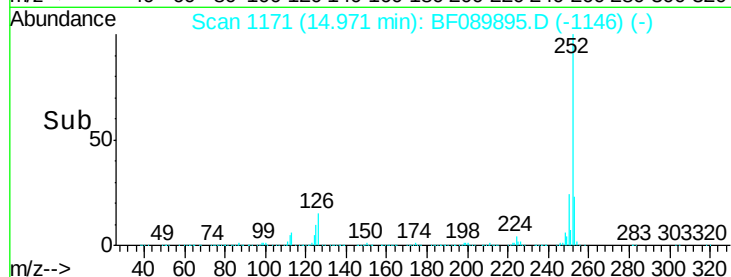
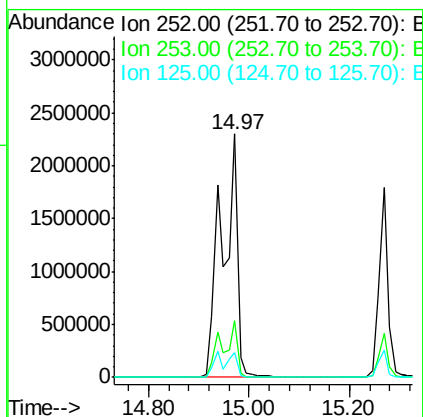
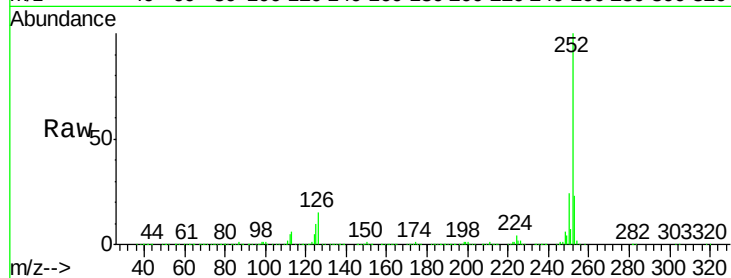




#87
Benzo(b)fluoranthene
Concen: 92.11 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

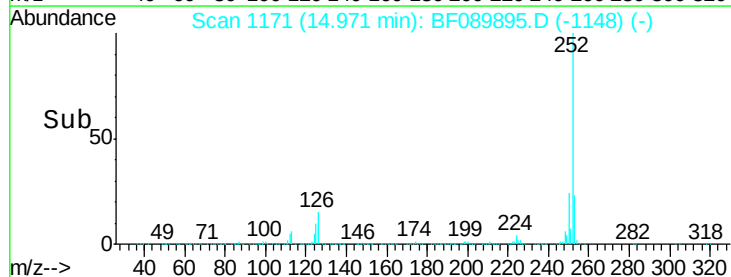
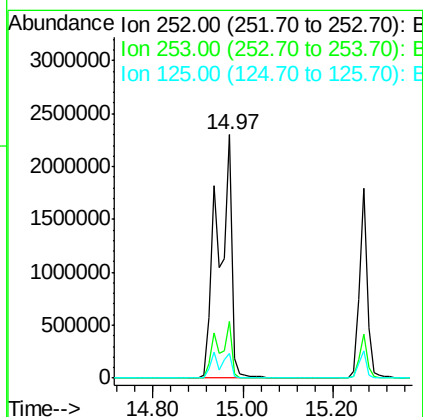
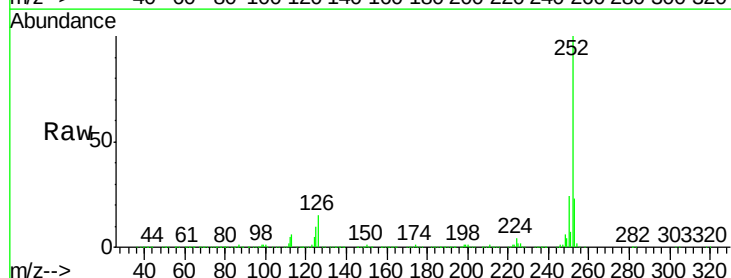
Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

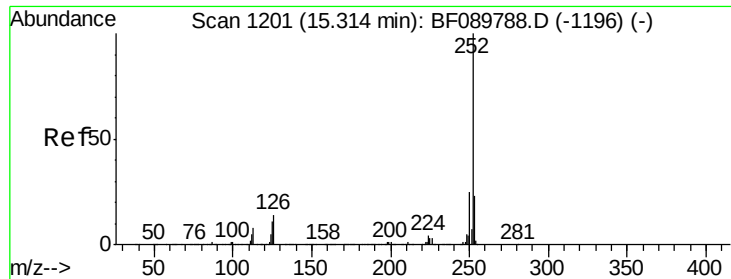
Tgt Ion:252 Resp: 4981221
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.0 11.4 17.2#



#88
Benzo(k)fluoranthene
Concen: 101.60 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:252 Resp: 4985227
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 10.0 9.8 14.6

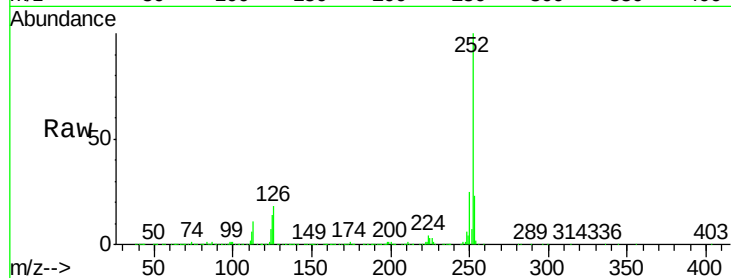




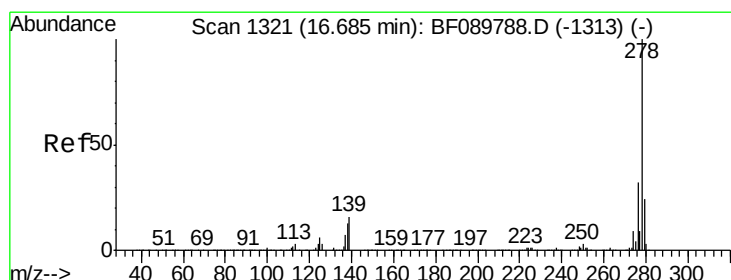
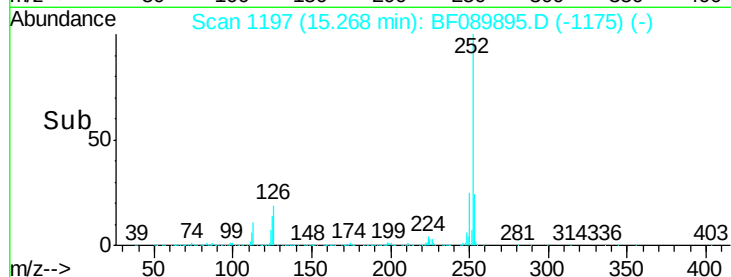
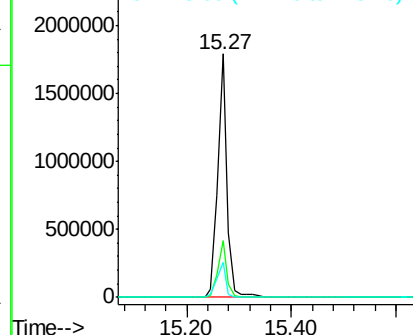
#89
Benzo(a)pyrene
Concen: 43.09 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.05 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Instrument :
BNA_F
ClientSampleId :
SB-15A-(18-20)MSD

Tgt Ion:252 Resp: 2205715
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 14.3 11.7 17.5

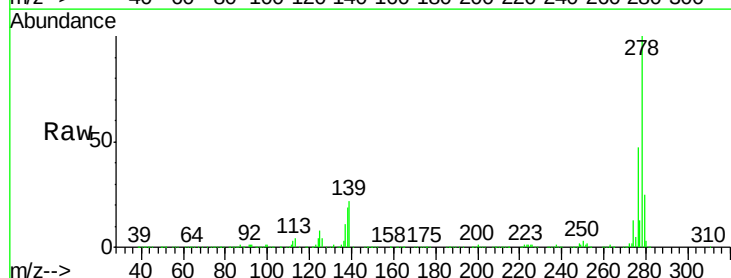


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

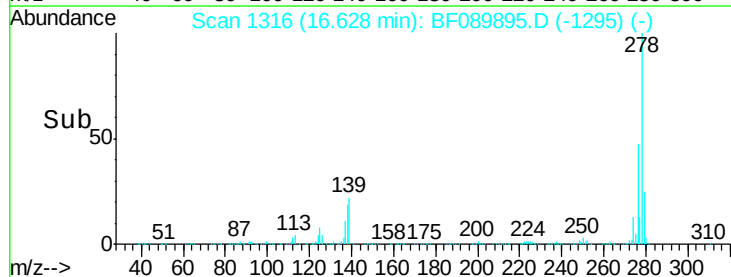
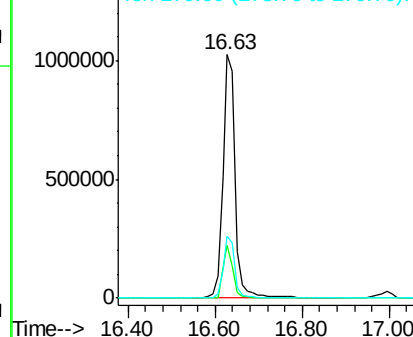


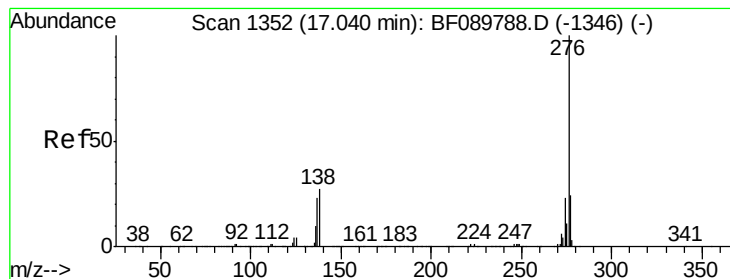
#90
Dibenzo(a,h)anthracene
Concen: 37.20 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.06 min
Lab File: BF089895.D
Acq: 25 Aug 2016 2:00

Tgt Ion:278 Resp: 2066617
Ion Ratio Lower Upper
278 100
139 21.7 14.9 22.3
279 25.3 19.2 28.8



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: 35.96 ng

RT: 16.99 min Scan# 1348

Delta R.T. -0.05 min

Lab File: BF089895.D

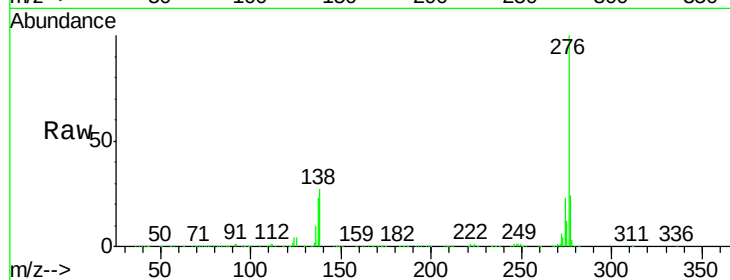
Acq: 25 Aug 2016 2:00

Instrument :

BNA_F

ClientSampleId :

SB-15A-(18-20)MSD



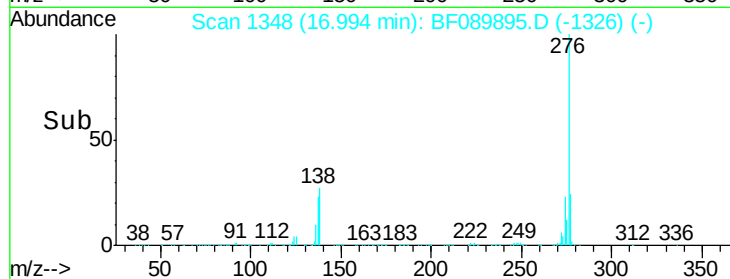
Tgt Ion: 276 Resp: 2103830

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 26.5 22.1 33.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

