

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078476.D
 Acq On : 13 Apr 2015 22:52
 Operator : TP/IZ
 Sample : G1677-12MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Quant Time: Apr 14 01:25:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 01:02:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	32709	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	137875	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	70243	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	147517	20.00	ng	0.00
75) Chrysene-d12	15.63	240	153052	20.00	ng	-0.02
86) Perylene-d12	17.30	264	146999	20.00	ng	-0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	116494	58.72	ng	0.00
7) Phenol-d6	6.42	99	92334	37.14	ng	-0.01
23) Nitrobenzene-d5	7.53	82	204301	89.82	ng	-0.01
41) 2,4,6-Tribromophenol	11.54	330	91135	156.44	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	470426	95.73	ng	0.00
78) Terphenyl-d14	14.38	244	557053	82.24	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.61	88	64692	72.11	ng	# 23
3) Pyridine	2.24	79	37031	15.76	ng	# 94
4) n-Nitrosodimethylamine	2.17	42	13529	14.96	ng	83
6) Aniline	6.42	93	48279	13.69	ng	95
8) 2-Chlorophenol	6.56	128	82626	35.22	ng	99
9) Benzaldehyde	6.27	77	30158	18.30	ng	# 86
10) Phenol	6.44	94	35444	11.90	ng	97
11) bis(2-Chloroethyl)ether	6.52	93	94276	44.01	ng	93
12) 1,3-Dichlorobenzene	6.75	146	105948	41.12	ng	# 90
13) 1,4-Dichlorobenzene	6.84	146	107866	41.59	ng	97
14) 1,2-Dichlorobenzene	7.03	146	101824	41.87	ng	99
15) Benzyl Alcohol	7.03	79	51263	29.34	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.21	45	129757	45.41	ng	97
17) 2-Methylphenol	7.20	107	49574	27.22	ng	# 92
18) Hexachloroethane	7.45	117	36835	42.11	ng	87
19) n-Nitroso-di-n-propylamine	7.37	70	74059	45.15	ng	98
20) 3+4-Methylphenols	7.39	107	59816	24.62	ng	96
22) Acetophenone	7.35	105	150467	46.84	ng	# 90
24) Nitrobenzene	7.55	77	104430	43.92	ng	# 86
25) Isophorone	7.86	82	190822	44.20	ng	98
26) 2-Nitrophenol	7.95	139	46072	40.66	ng	93
27) 2,4-Dimethylphenol	8.03	122	76441	36.28	ng	95
28) bis(2-Chloroethoxy)methane	8.15	93	117951	42.61	ng	98
29) 2,4-Dichlorophenol	8.25	162	79884	41.67	ng	90
30) 1,2,4-Trichlorobenzene	8.34	180	90593	41.22	ng	97
31) Naphthalene	8.43	128	504623	70.32	ng	99
32) Benzoic acid	8.15	122	13266	17.56	ng	88
33) 4-Chloroaniline	8.52	127	60012	20.15	ng	97
34) Hexachlorobutadiene	8.59	225	51186	42.41	ng	98
35) Caprolactam	8.95	113	3287	5.74	ng	97
36) 4-Chloro-3-methylphenol	9.14	107	77926	40.29	ng	98
37) 2-Methylnaphthalene	9.29	142	270585	55.54	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.50	216	92747	42.61	ng	99
40) Hexachlorocyclopentadiene	9.48	237	73858	78.93	ng	97

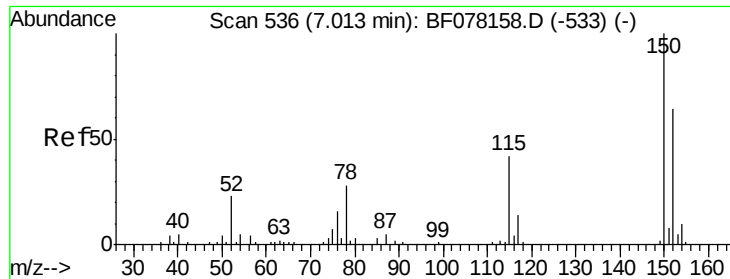
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.66	196	59557	43.39	ng	96
43) 2,4,5-Trichlorophenol	9.70	196	60941	42.50	ng #	87
45) 1,1'-Biphenyl	9.87	154	268985	46.82	ng	99
46) 2-Chloronaphthalene	9.88	162	196409	43.45	ng	98
47) 2-Nitroaniline	10.03	65	54249	48.50	ng #	53
48) Acenaphthylene	10.39	152	317949	43.55	ng	99
49) Dimethylphthalate	10.27	163	239206	45.33	ng	98
50) 2,6-Dinitrotoluene	10.34	165	51529	47.46	ng #	72
51) Acenaphthene	10.60	154	189125	46.02	ng	100
52) 3-Nitroaniline	10.54	138	36519	29.58	ng	95
53) 2,4-Dinitrophenol	10.68	184	31523	76.38	ng #	81
54) Dibenzofuran	10.82	168	298380	47.53	ng	96
55) 4-Nitrophenol	10.82	139	131605	142.53	ng #	21
56) 2,4-Dinitrotoluene	10.83	165	69990	49.77	ng #	86
57) Fluorene	11.23	166	244984	48.15	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.98	232	50586	47.58	ng	98
59) Diethylphthalate	11.14	149	241007	47.36	ng	98
60) 4-Chlorophenyl-phenylether	11.26	204	112124	47.90	ng #	84
61) 4-Nitroaniline	11.29	138	51710	41.43	ng	92
62) Azobenzene	11.45	77	250066	53.85	ng	91
64) 4,6-Dinitro-2-methylphenol	11.34	198	26827	38.66	ng #	57
65) n-Nitrosodiphenylamine	11.40	169	201058	39.40	ng	99
66) 4-Bromophenyl-phenylether	11.85	248	64872	41.52	ng	93
67) Hexachlorobenzene	11.91	284	68806	40.19	ng	99
68) Atrazine	12.09	200	72069	48.76	ng	98
69) Pentachlorophenol	12.16	266	60073	79.21	ng	98
70) Phenanthrene	12.41	178	345347	40.47	ng	100
71) Anthracene	12.48	178	364964	43.40	ng	100
72) Carbazole	12.70	167	346689	43.99	ng	99
73) Di-n-butylphthalate	13.15	149	426176	47.74	ng	99
74) Fluoranthene	13.87	202	377430	41.94	ng	96
76) Benzidine	14.07	184	151849	25.77	ng	98
77) Pyrene	14.15	202	400911	41.73	ng	98
79) Butylbenzylphthalate	15.01	149	185072	50.54	ng #	75
80) Benzo(a)anthracene	15.62	228	380377	41.77	ng	99
81) 3,3'-Dichlorobenzidine	15.62	252	98734	32.37	ng #	99
82) Chrysene	15.67	228	350818	41.00	ng	99
83) Bis(2-ethylhexyl)phthalate	15.71	149	288827	50.29	ng #	95
84) Di-n-octyl phthalate	16.49	149	509147	53.99	ng #	100
85) Indeno(1,2,3-cd)pyrene	18.51	276	432258	44.52	ng #	86
87) Benzo(b)fluoranthene	16.88	252	458882	50.51	ng #	97
88) Benzo(k)fluoranthene	16.88	252	458882	56.84	ng #	96
89) Benzo(a)pyrene	17.25	252	361981	45.65	ng	98
90) Dibenzo(a,h)anthracene	18.54	278	339543	42.77	ng	98
91) Benzo(g,h,i)perylene	18.86	276	343770	43.19	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

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DEL-4S-2(7.0-7.5)MSD

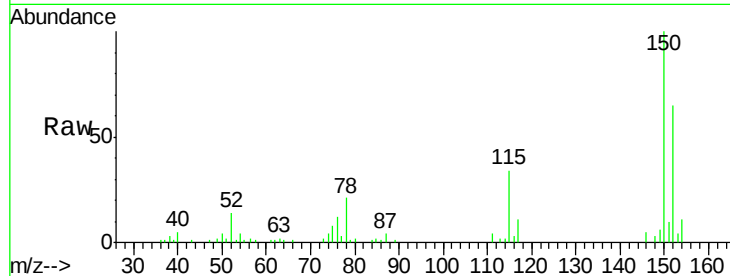
Tgt Ion:152 Resp: 32709

Ion Ratio Lower Upper

152 100

150 154.0 125.9 188.9

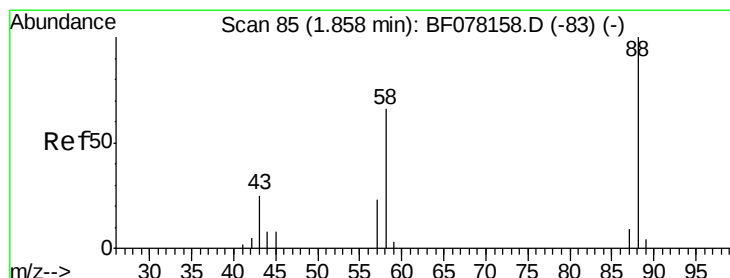
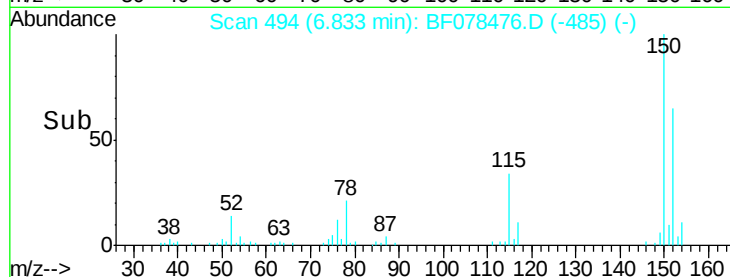
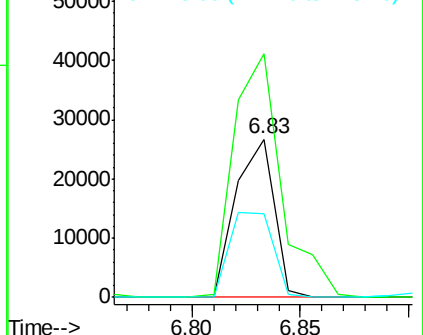
115 53.0 52.7 79.1



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: 72.11 ng

RT: 1.61 min Scan# 37

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

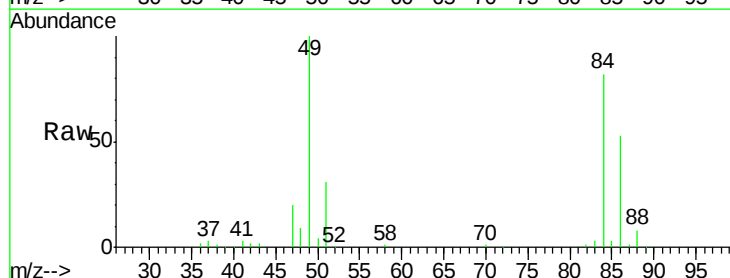
Tgt Ion: 88 Resp: 64692

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

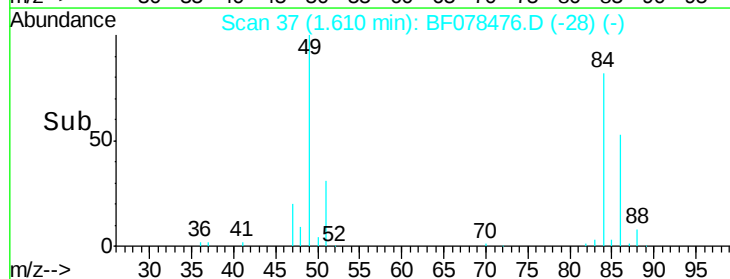
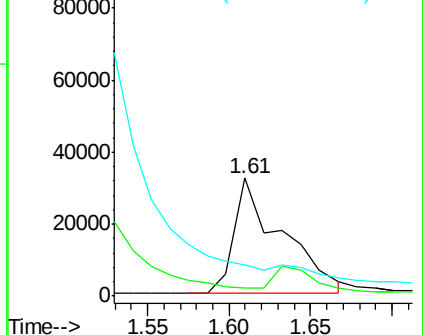
43 0.0 21.4 32.2#

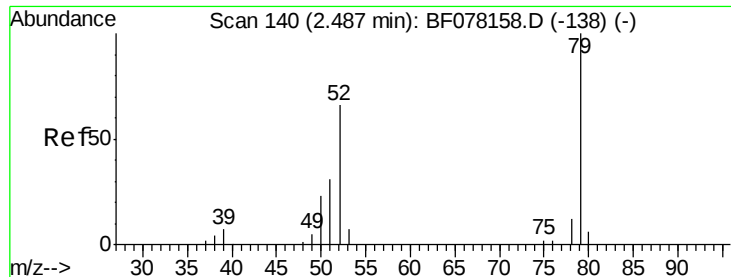


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 15.76 ng

RT: 2.24 min Scan# 92

Delta R.T. 0.05 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

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DEL-4S-2(7.0-7.5)MSD

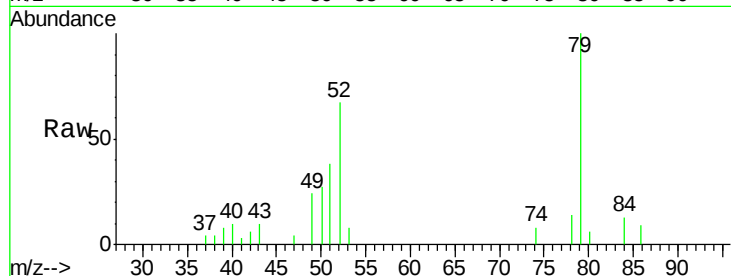
Tgt Ion: 79 Resp: 37031

Ion Ratio Lower Upper

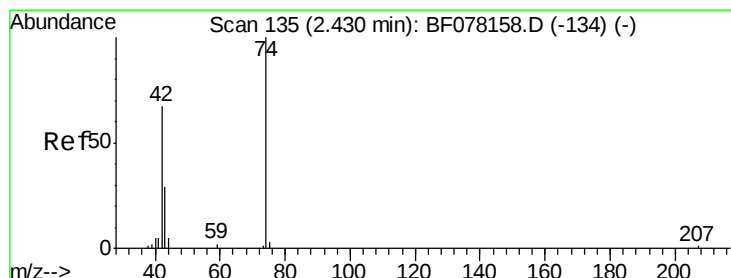
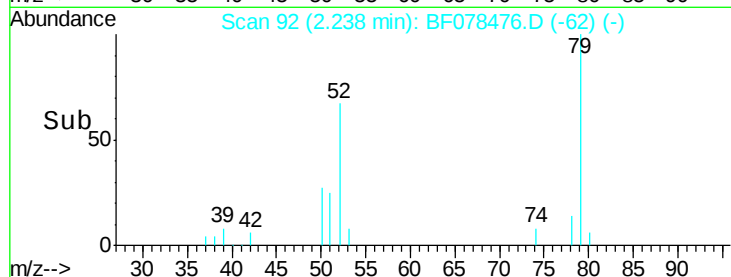
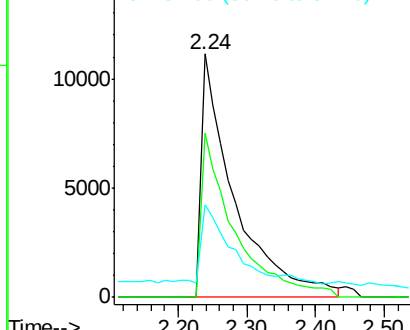
79 100

52 67.4 52.4 78.6

51 37.8 24.9 37.3#



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: 14.96 ng

RT: 2.17 min Scan# 86

Delta R.T. 0.02 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

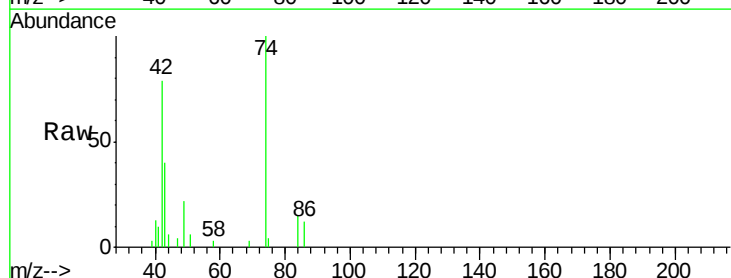
Tgt Ion: 42 Resp: 13529

Ion Ratio Lower Upper

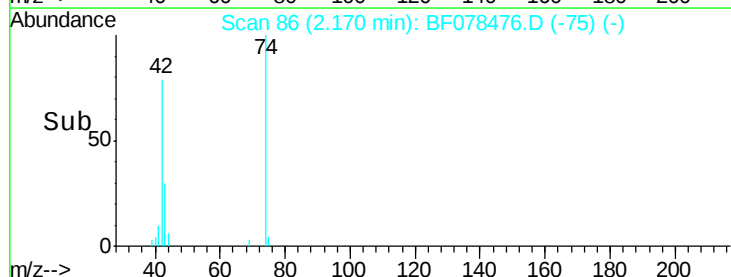
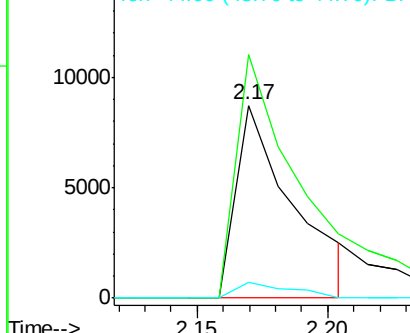
42 100

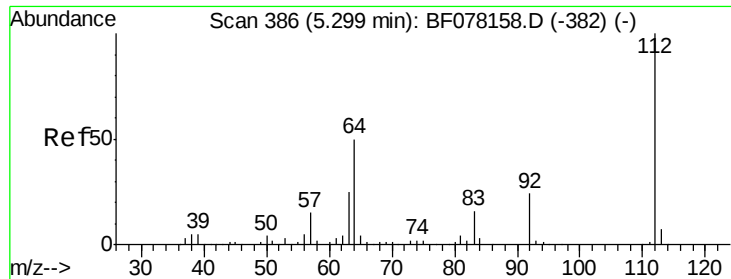
74 126.3 118.7 178.1

44 8.1 5.9 8.9



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: 58.72 ng

RT: 5.08 min Scan# 341

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

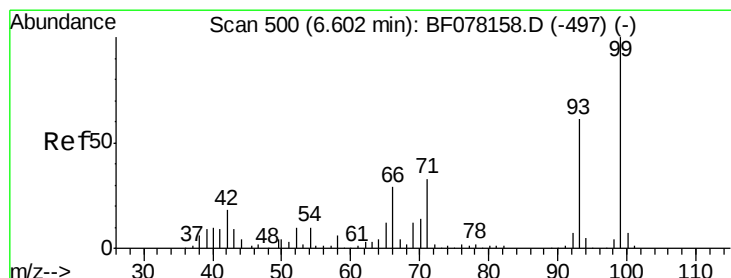
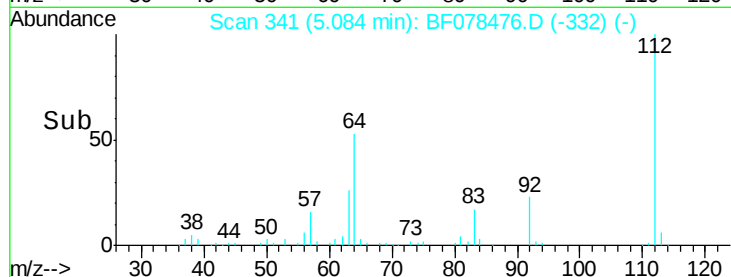
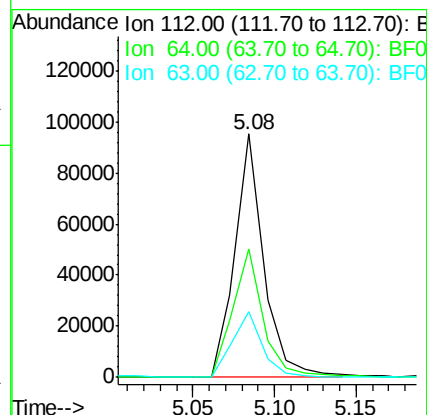
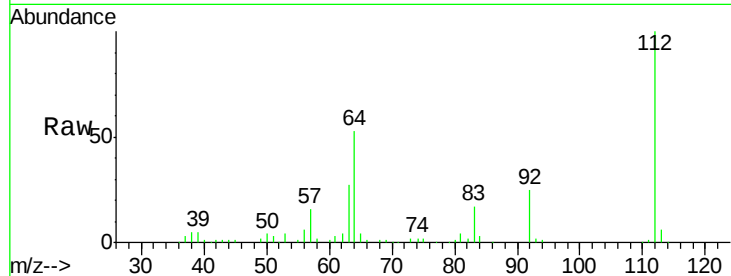
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Tgt Ion:	112	Resp:	116494
Ion	Ratio	Lower	Upper
112	100		
64	52.5	39.9	59.9
63	26.8	20.2	30.4



#6

Aniline

Concen: 13.69 ng

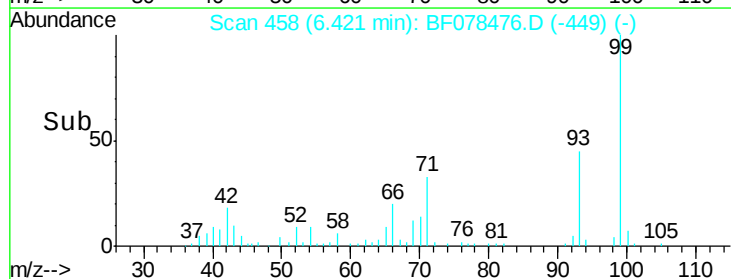
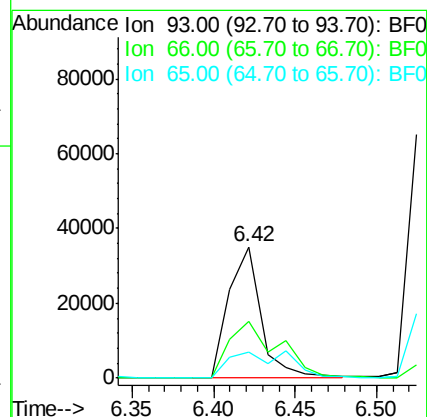
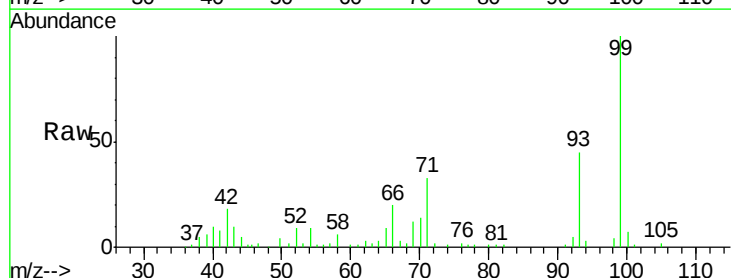
RT: 6.42 min Scan# 458

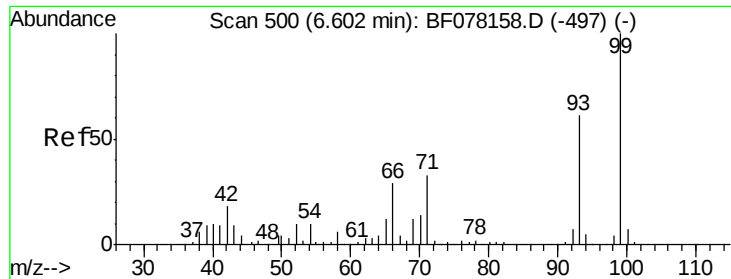
Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Tgt Ion:	93	Resp:	48279
Ion	Ratio	Lower	Upper
93	100		
66	43.7	38.0	57.0
65	19.5	16.3	24.5





#7

Phenol-d6

Concen: 37.14 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

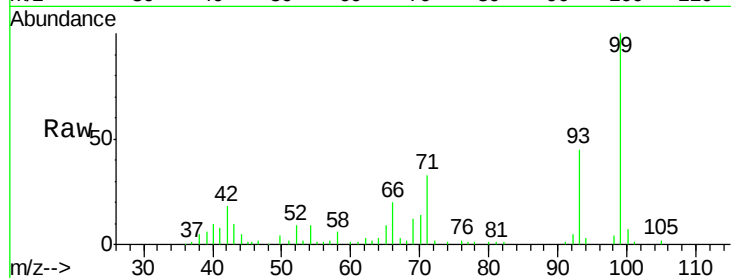
Tgt Ion: 99 Resp: 92334

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

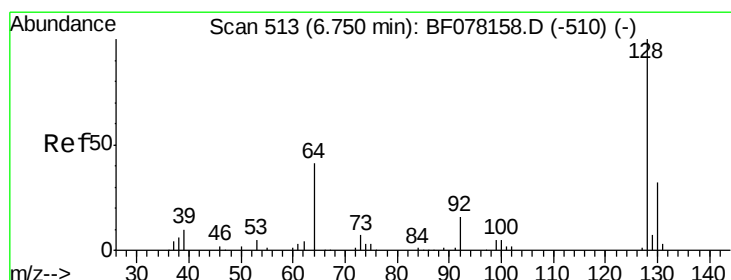
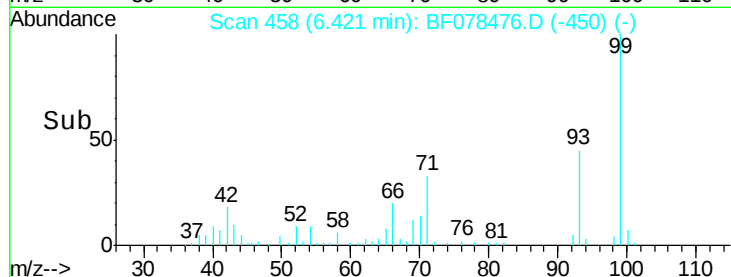
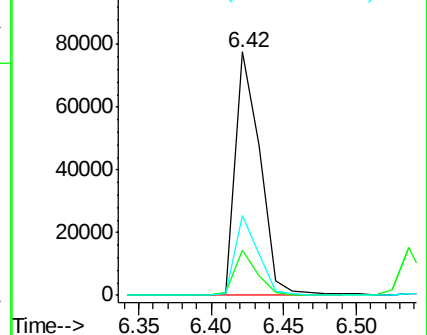
71 32.6 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 35.22 ng

RT: 6.56 min Scan# 470

Delta R.T. -0.01 min

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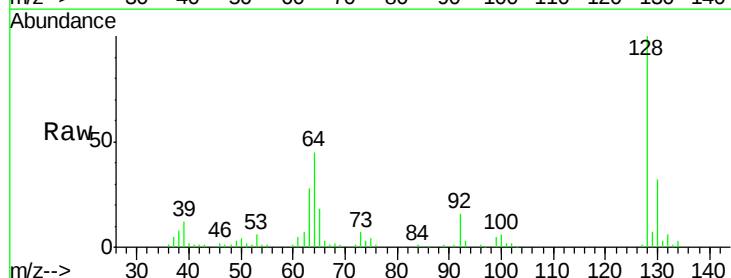
Tgt Ion: 128 Resp: 82626

Ion Ratio Lower Upper

128 100

130 31.6 12.3 52.3

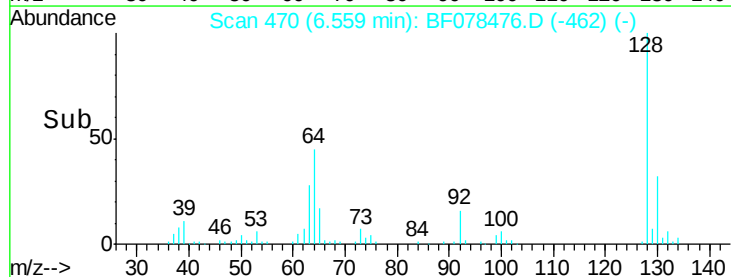
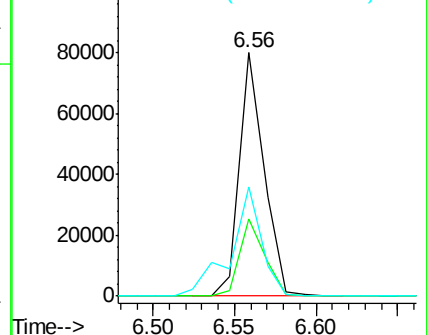
64 44.7 23.8 63.8

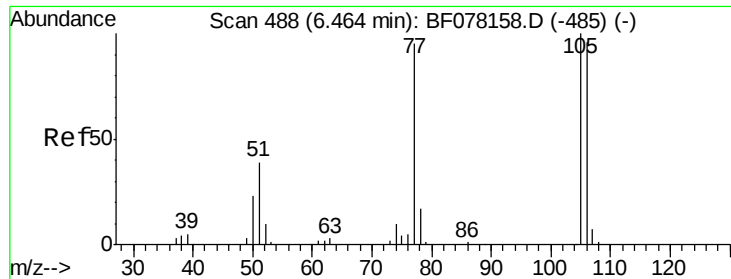


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.30 ng

RT: 6.27 min Scan# 445

Delta R.T. -0.00 min

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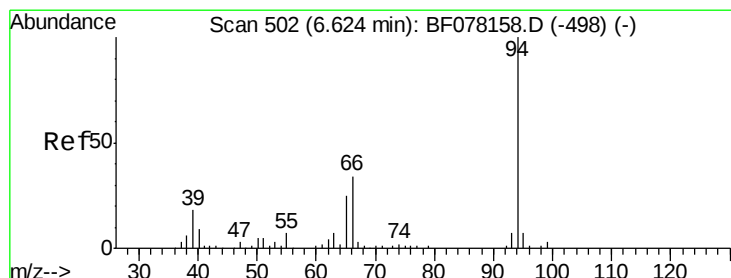
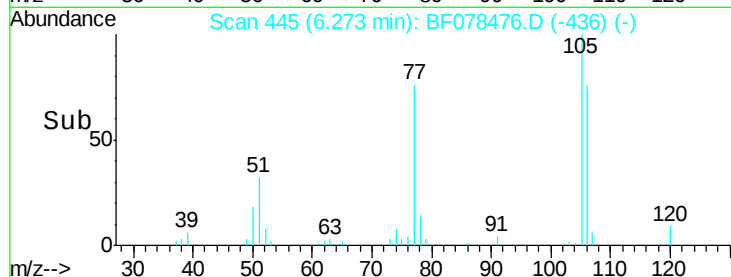
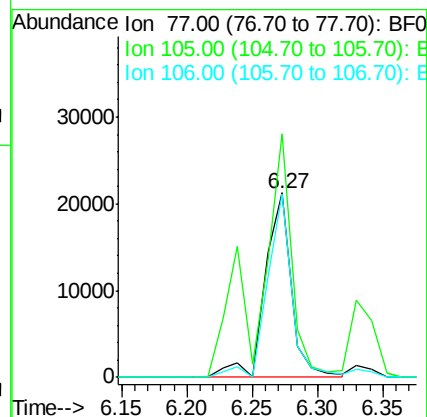
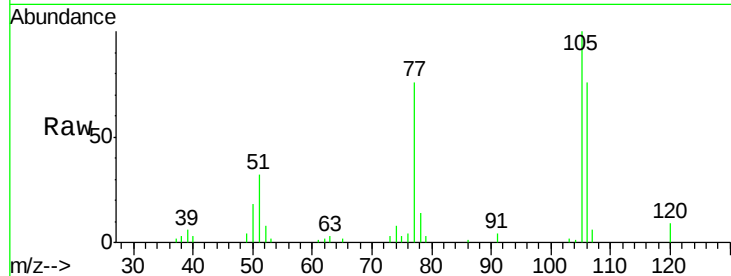
Tgt Ion: 77 Resp: 30158

Ion Ratio Lower Upper

77 100

105 132.1 85.4 125.4#

106 99.8 80.8 120.8



#10

Phenol

Concen: 11.90 ng

RT: 6.44 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

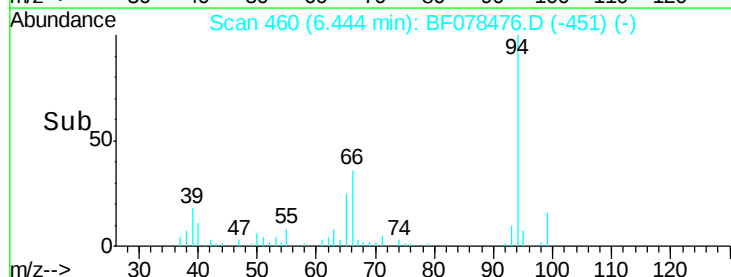
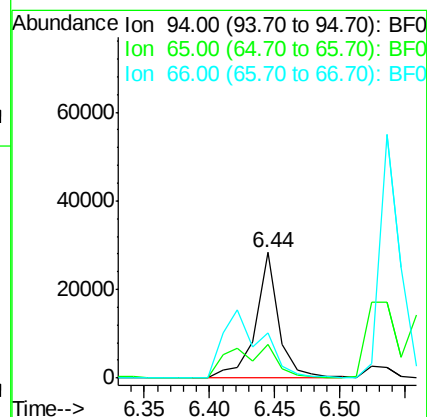
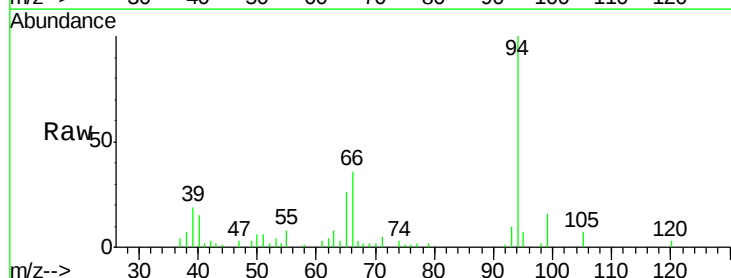
Tgt Ion: 94 Resp: 35444

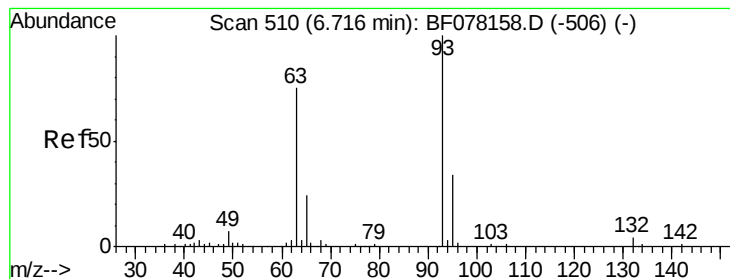
Ion Ratio Lower Upper

94 100

65 26.4 4.9 44.9

66 35.8 13.8 53.8





#11

bis(2-Chloroethyl)ether

Concen: 44.01 ng

RT: 6.52 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

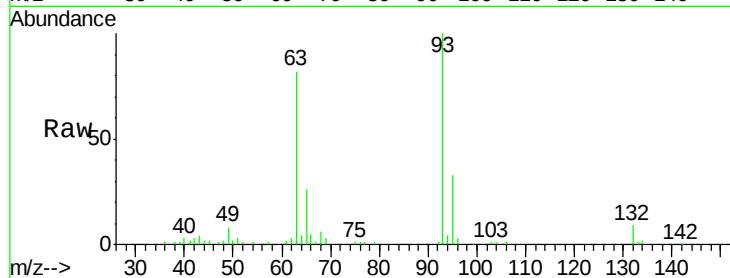
Tgt Ion: 93 Resp: 94276

Ion Ratio Lower Upper

93 100

63 82.1 54.6 94.6

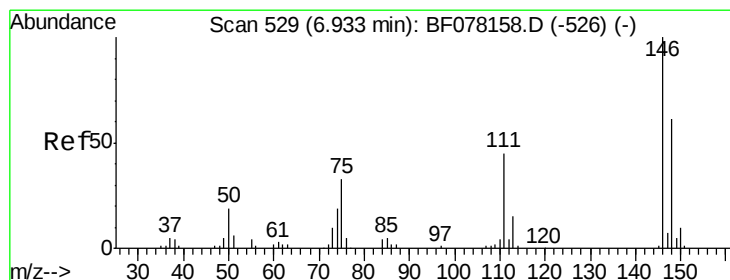
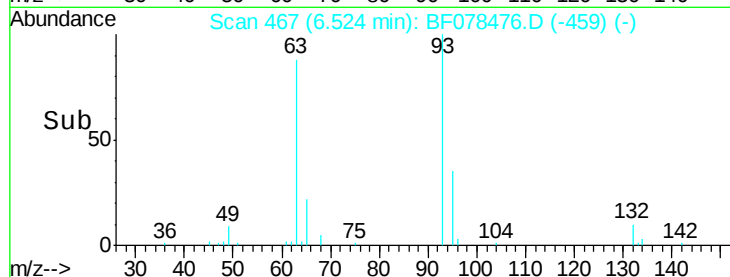
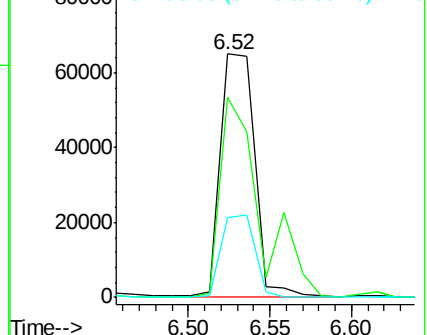
95 32.6 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 41.12 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

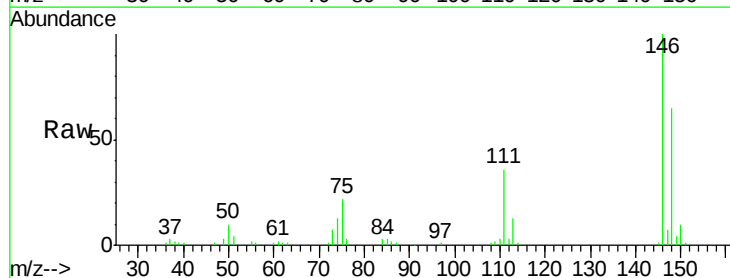
Tgt Ion: 146 Resp: 105948

Ion Ratio Lower Upper

146 100

148 64.8 49.1 73.7

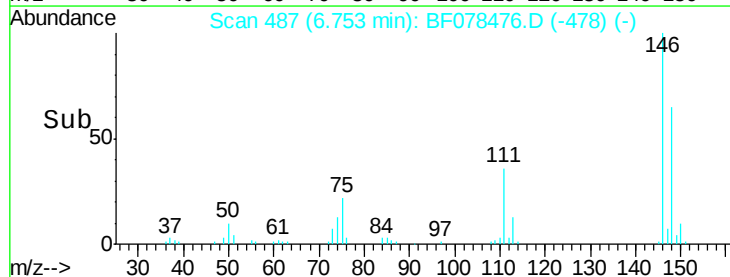
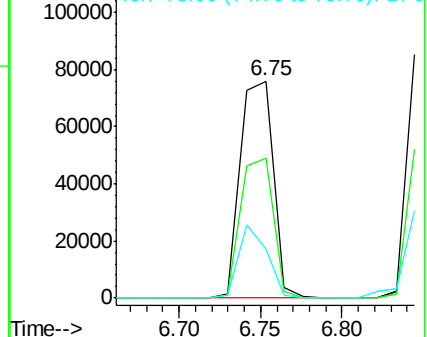
75 22.5 26.6 40.0#

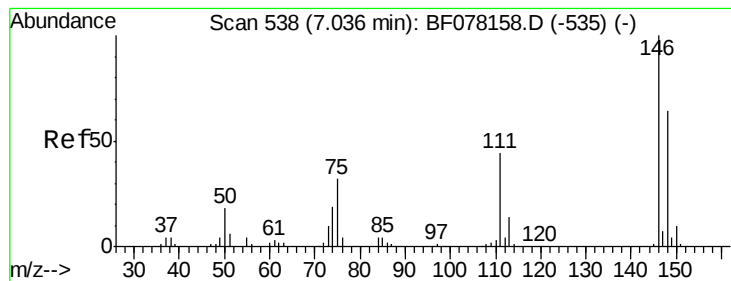


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 41.59 ng

RT: 6.84 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

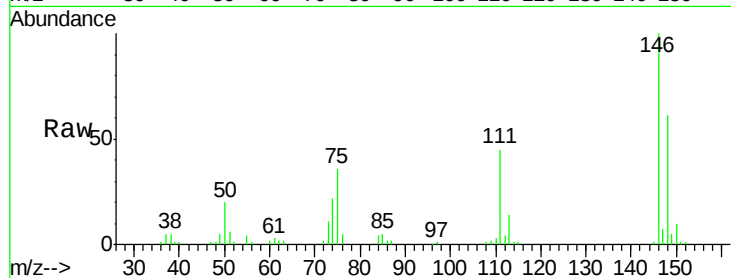
Tgt Ion:146 Resp: 107866

Ion Ratio Lower Upper

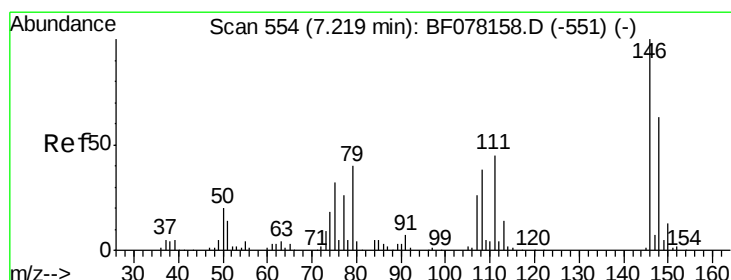
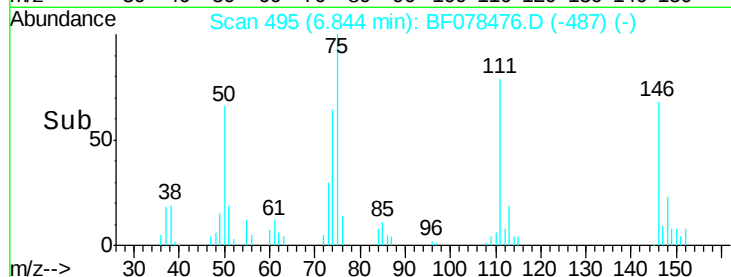
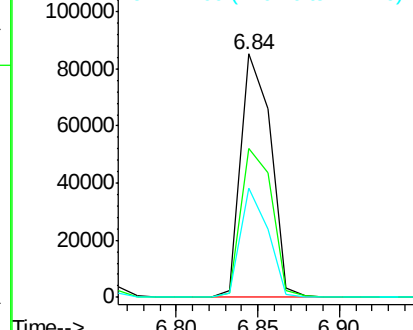
146 100

148 61.4 51.4 77.0

111 44.9 35.0 52.4



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



#14

1,2-Dichlorobenzene

Concen: 41.87 ng

RT: 7.03 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

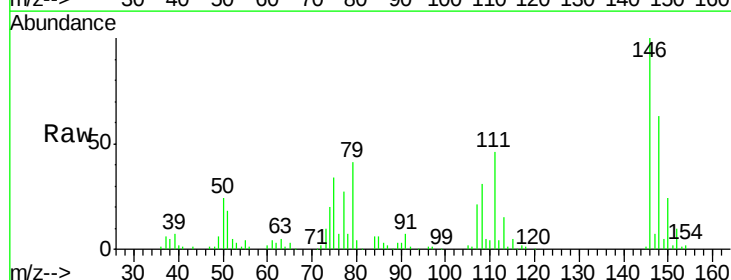
Tgt Ion:146 Resp: 101824

Ion Ratio Lower Upper

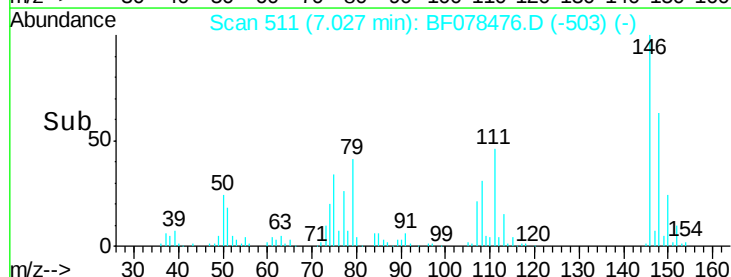
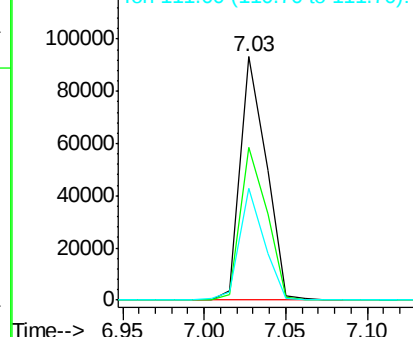
146 100

148 62.5 50.2 75.4

111 46.0 36.1 54.1



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

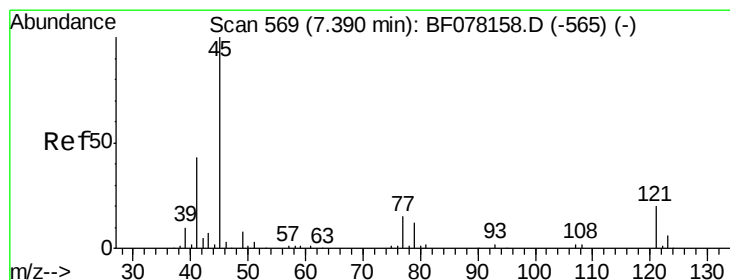
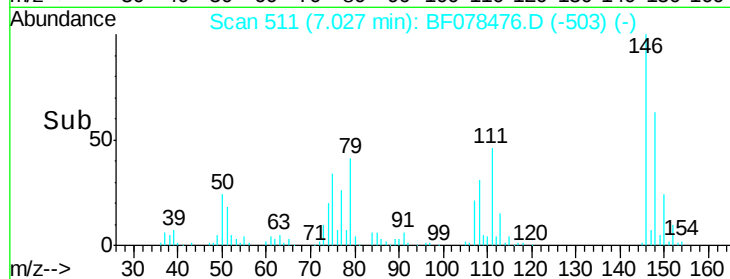
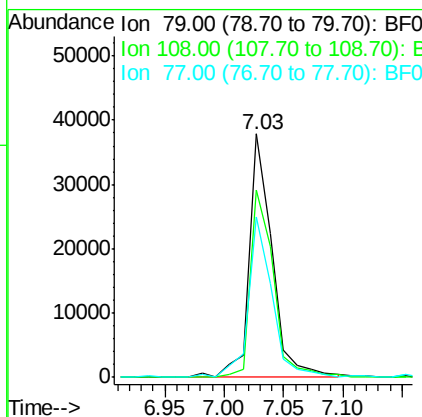
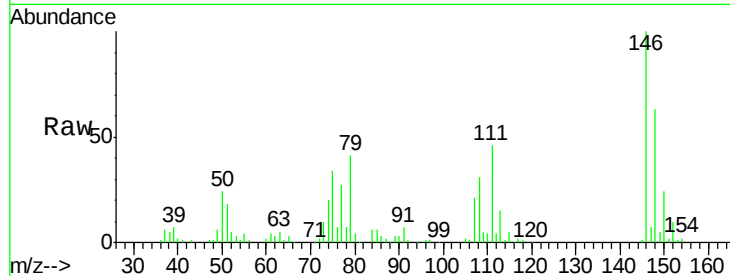




#15
Benzyl Alcohol
Concen: 29.34 ng
RT: 7.03 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

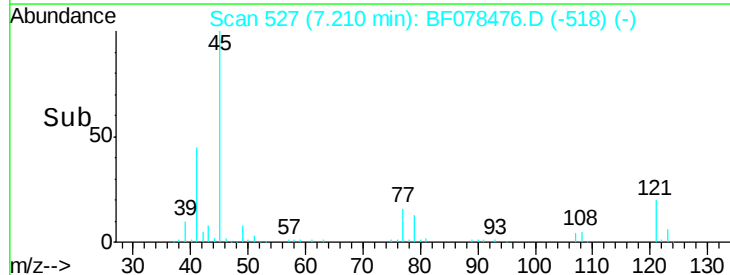
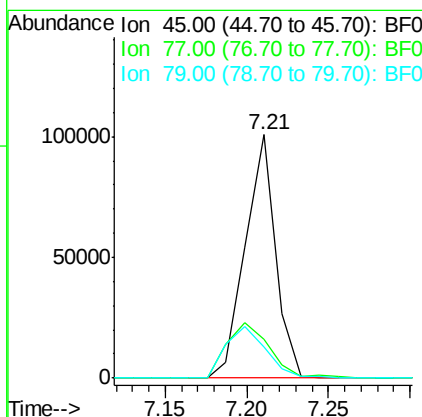
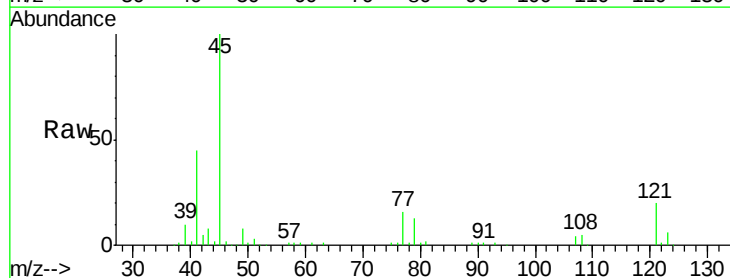
Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

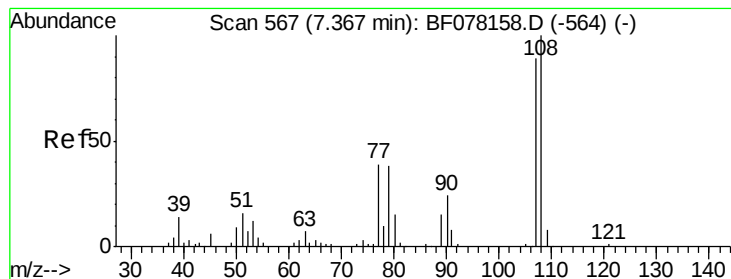
Tgt Ion: 79 Resp: 51263
Ion Ratio Lower Upper
79 100
108 76.9 57.6 86.4
77 65.8 53.5 80.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.41 ng
RT: 7.21 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion: 45 Resp: 129757
Ion Ratio Lower Upper
45 100
77 15.9 0.0 34.5
79 12.9 0.0 31.9





#17

2-Methylphenol

Concen: 27.22 ng

RT: 7.20 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

Tgt Ion:107 Resp: 49574

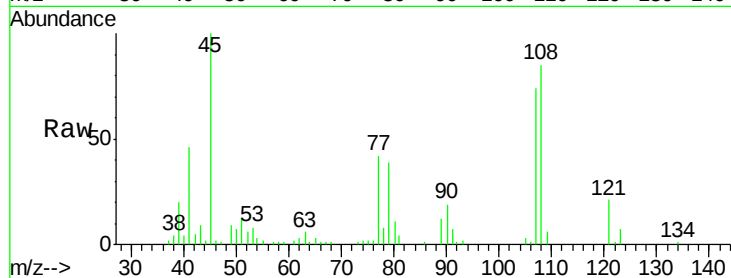
Ion Ratio Lower Upper

107 100

108 114.5 90.3 135.5

77 57.0 35.5 53.3#

79 52.3 34.2 51.4#

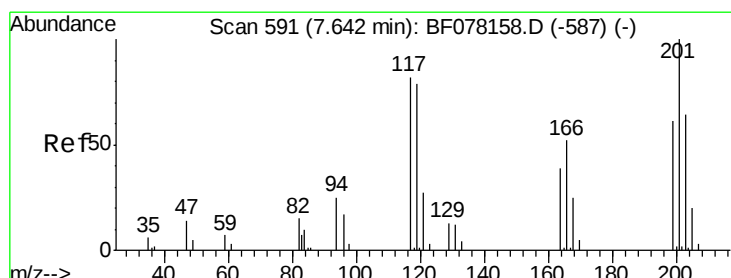
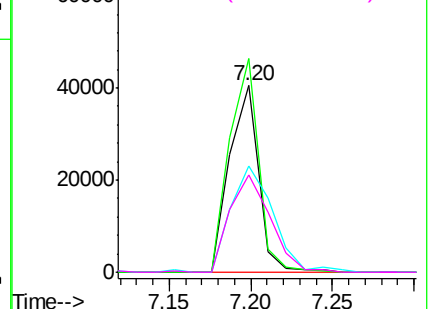
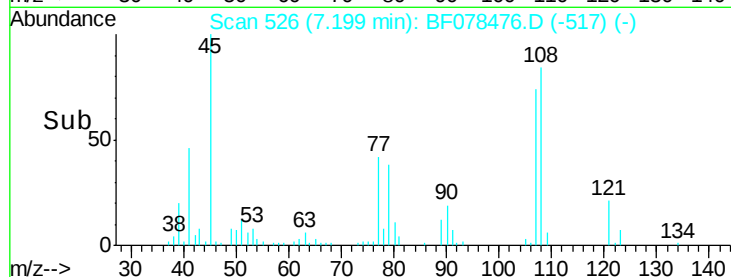


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 42.11 ng

RT: 7.45 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

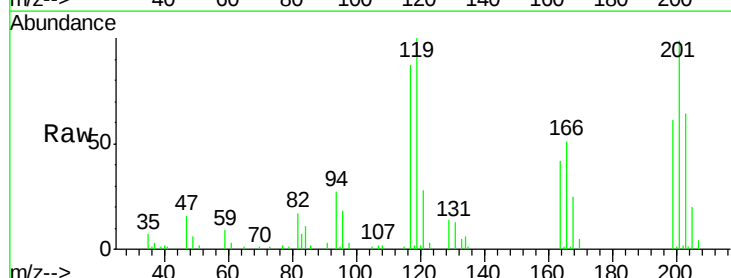
Tgt Ion:117 Resp: 36835

Ion Ratio Lower Upper

117 100

119 114.4 77.0 115.6

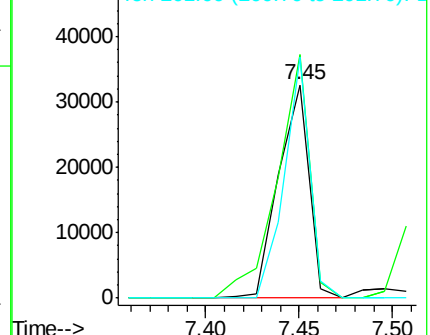
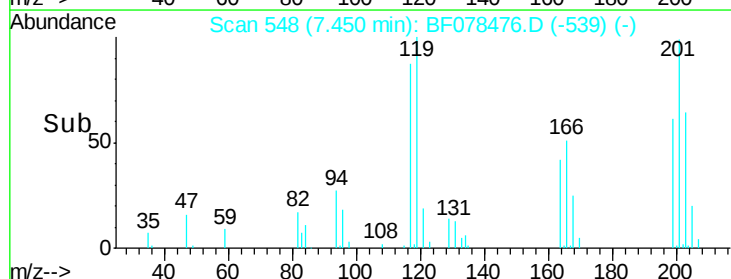
201 113.3 98.1 147.1

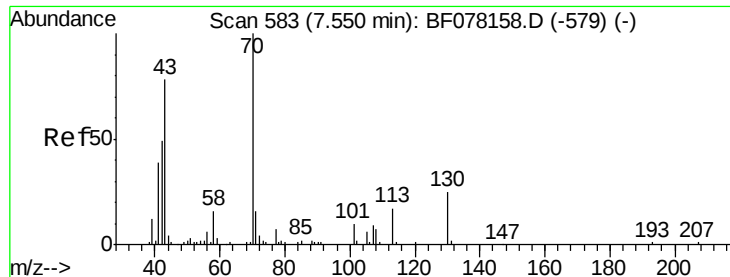


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

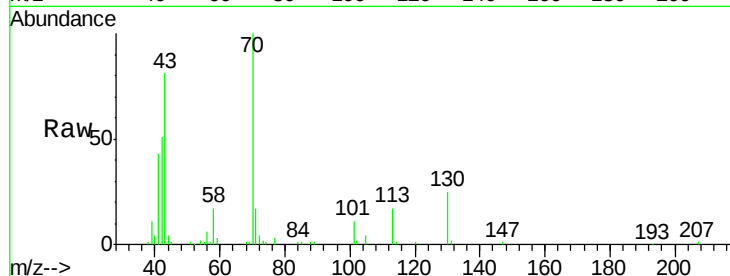




#19
n-Nitroso-di-n-propylamine
Concen: 45.15 ng
RT: 7.37 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion:	70	Resp:	74059
Ion	Ratio	Lower	Upper
70	100		
42	51.3	38.9	58.3
101	10.8	8.3	12.5
130	24.9	19.8	29.8



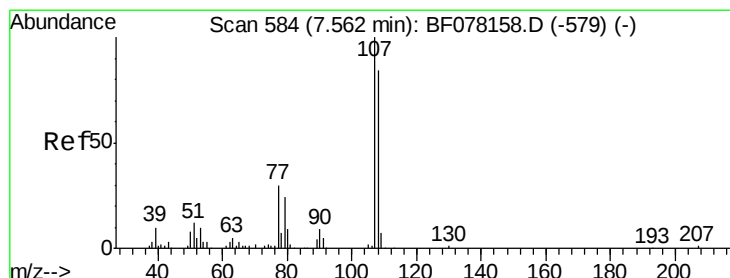
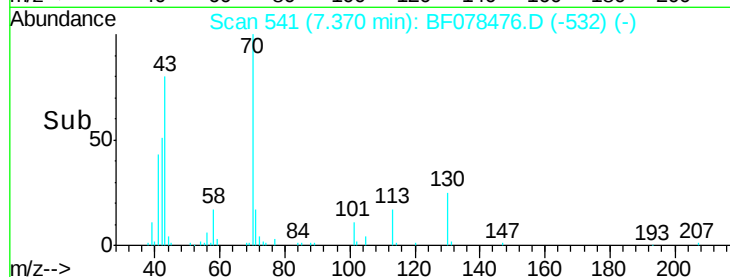
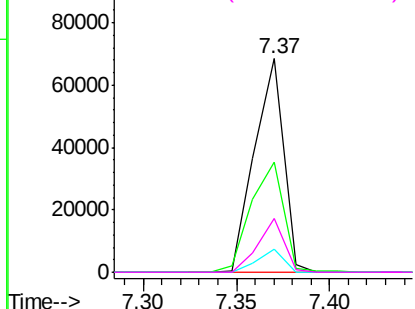
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

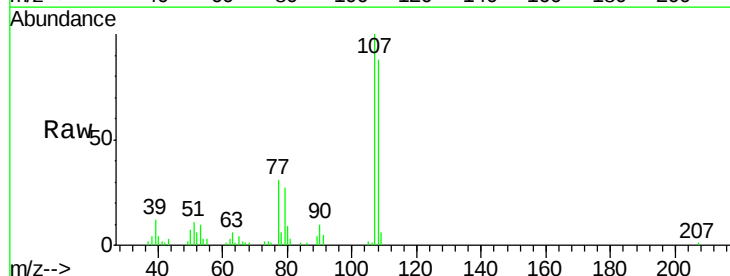
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 24.62 ng
RT: 7.39 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:	107	Resp:	59816
Ion	Ratio	Lower	Upper
107	100		
108	87.9	64.4	104.4
77	31.4	9.7	49.7
79	26.7	4.0	44.0



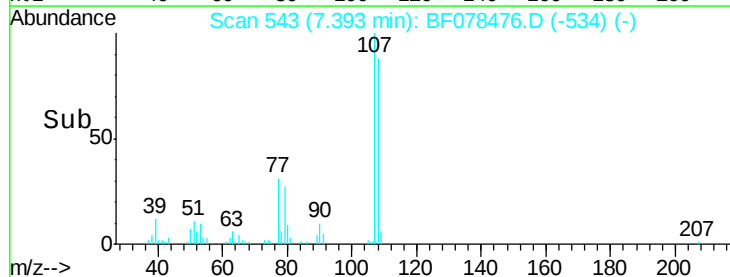
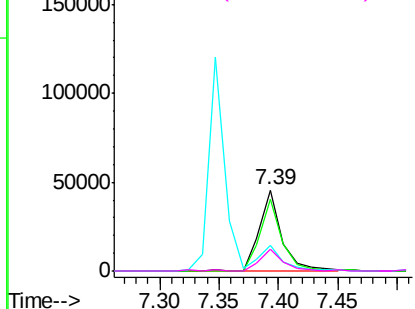
Abundance

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

Tgt Ion:136 Resp: 137875

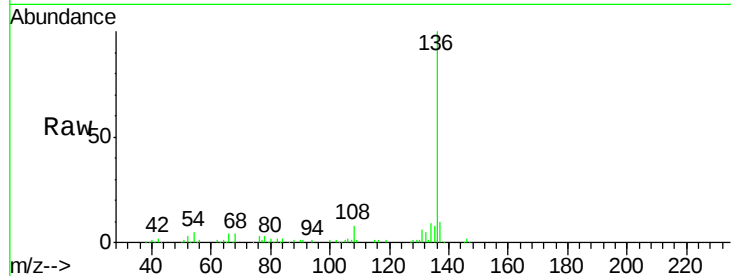
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.3 7.0 10.6#

68 4.3 5.4 8.2#

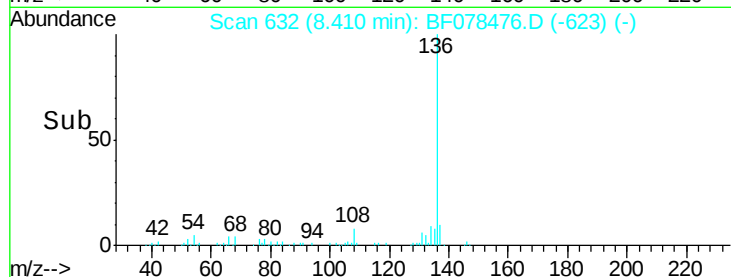


Abundance Ion 136.00 (135.70 to 136.70): E

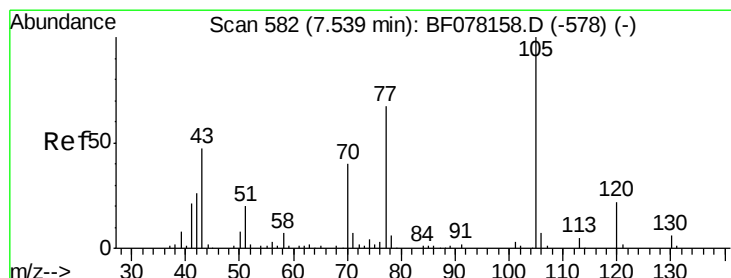
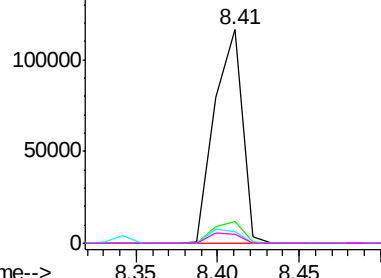
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 46.84 ng

RT: 7.35 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Tgt Ion:105 Resp: 150467

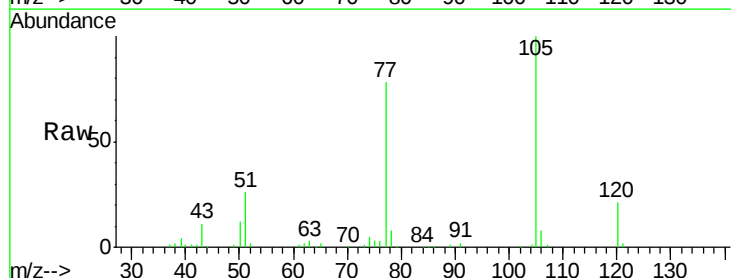
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 26.2 16.0 24.0#

120 20.6 17.8 26.6

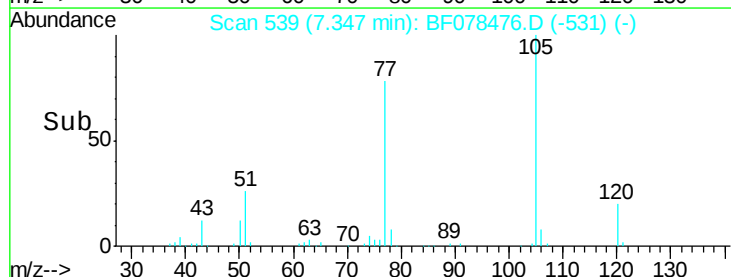


Abundance Ion 105.00 (104.70 to 105.70): E

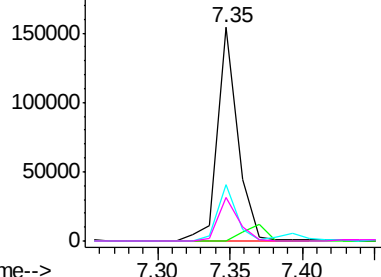
Ion 71.00 (70.70 to 71.70): BF0

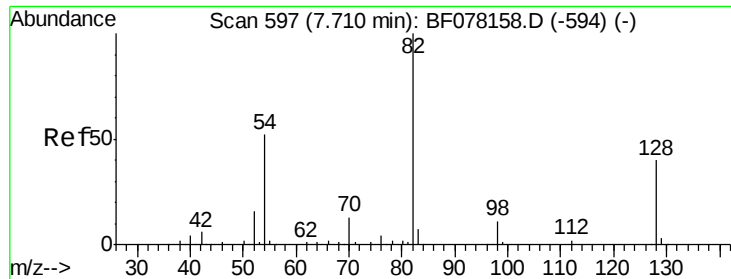
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

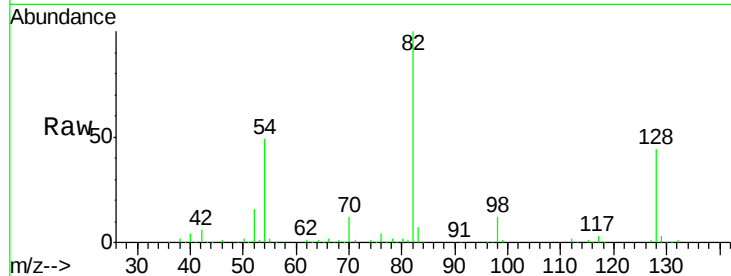




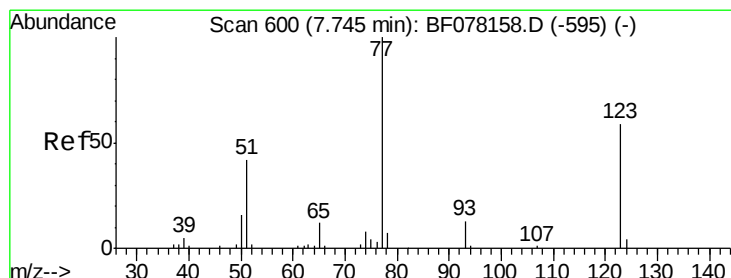
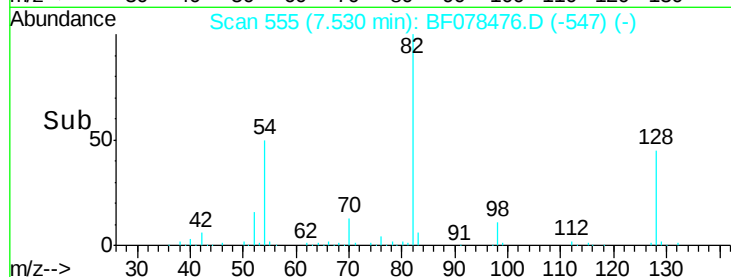
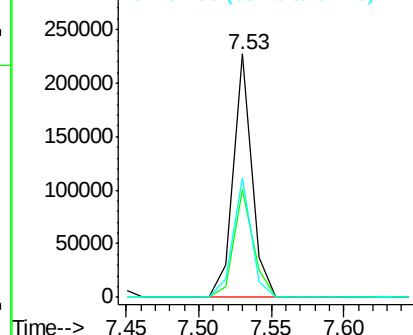
#23
Nitrobenzene-d5
Concen: 89.82 ng
RT: 7.53 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	31.8	47.8
54	49.1	41.5	62.3

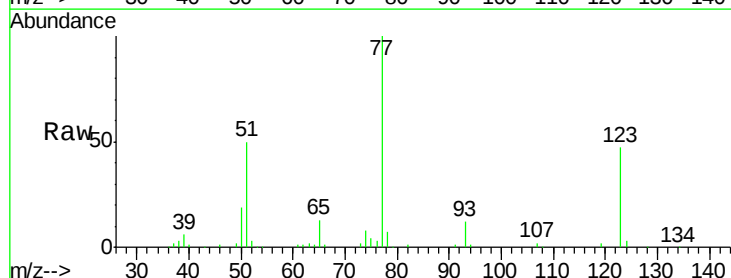


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

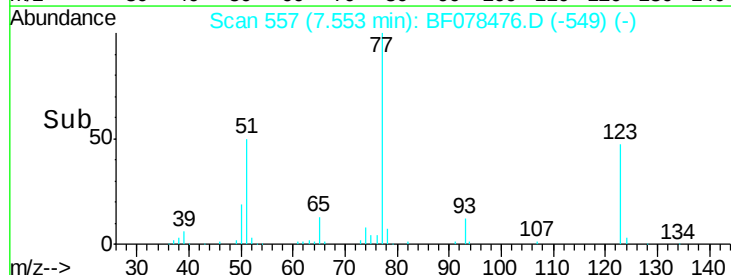
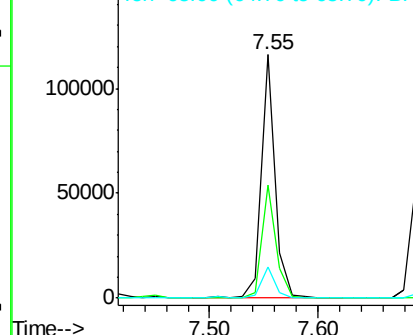


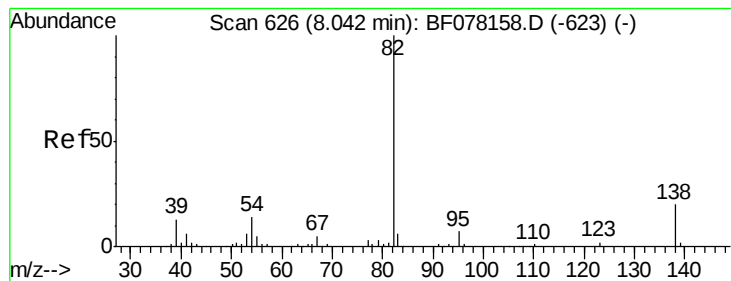
#24
Nitrobenzene
Concen: 43.92 ng
RT: 7.55 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.6	46.9	70.3#
65	12.7	9.5	14.3



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





#25

Isophorone

Concen: 44.20 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

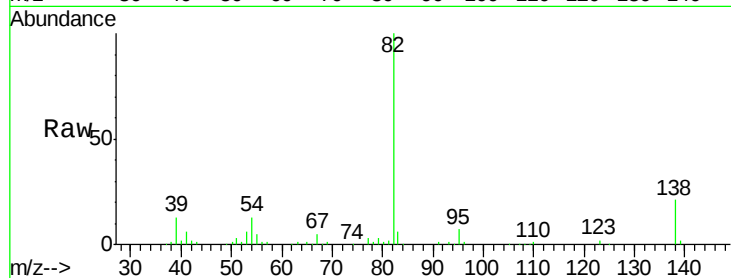
Tgt Ion: 82 Resp: 190822

Ion Ratio Lower Upper

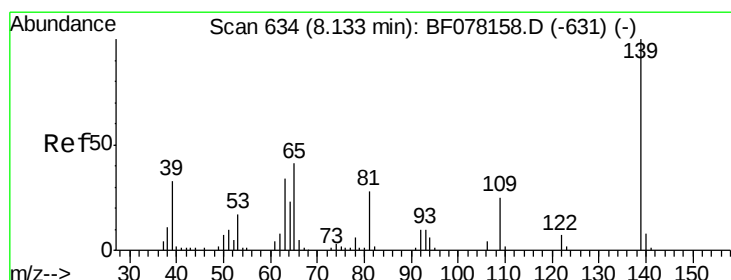
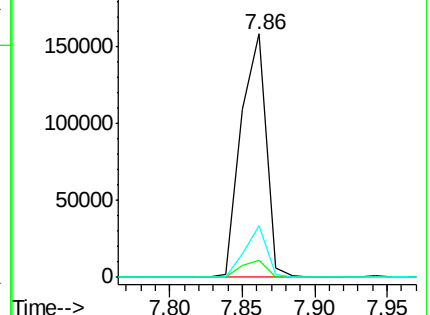
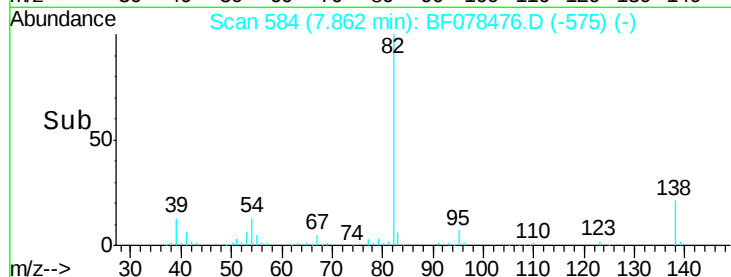
82 100

95 7.1 5.7 8.5

138 21.3 15.8 23.8



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.66 ng

RT: 7.95 min Scan# 592

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

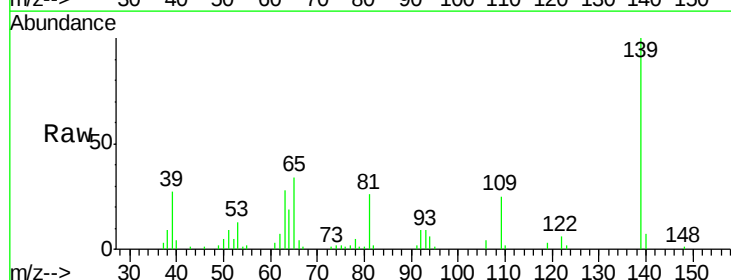
Tgt Ion: 139 Resp: 46072

Ion Ratio Lower Upper

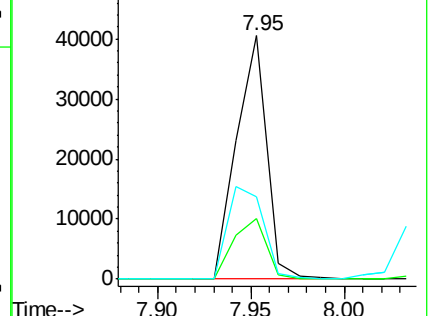
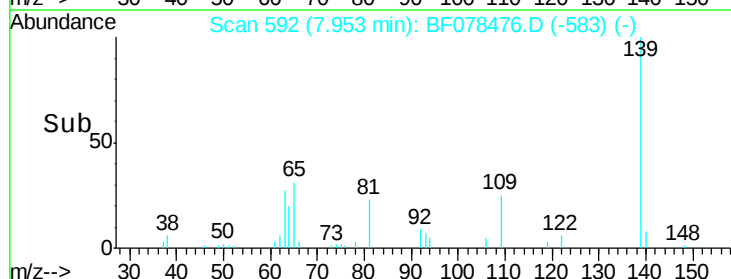
139 100

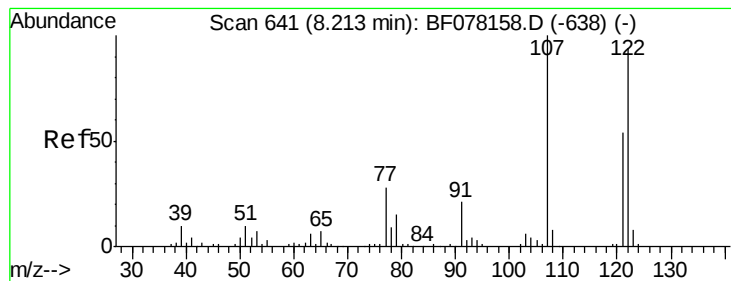
109 24.8 19.8 29.8

65 33.9 32.7 49.1



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

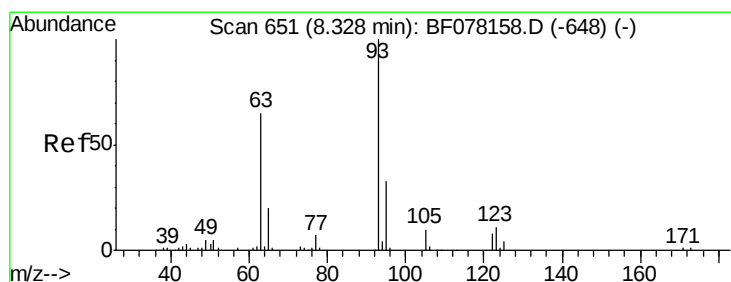
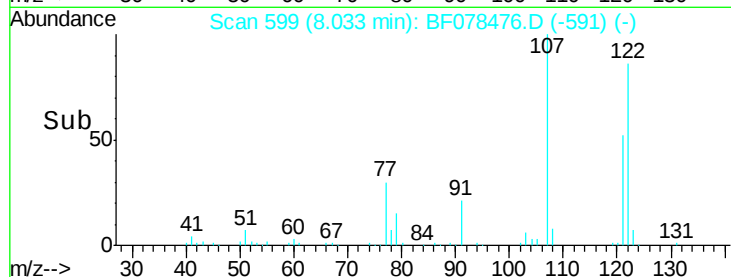
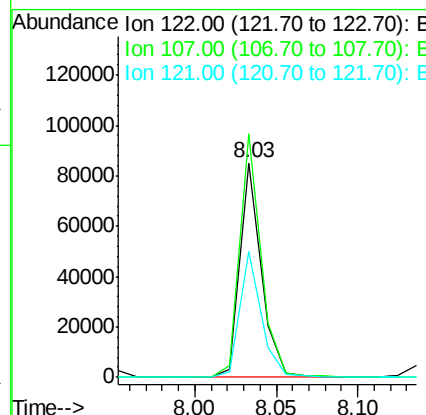
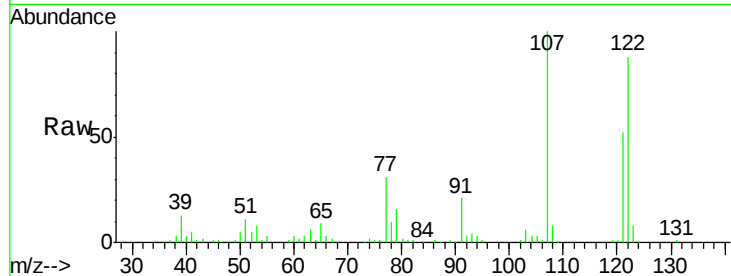




#27
 2,4-Dimethylphenol
 Concen: 36.28 ng
 RT: 8.03 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

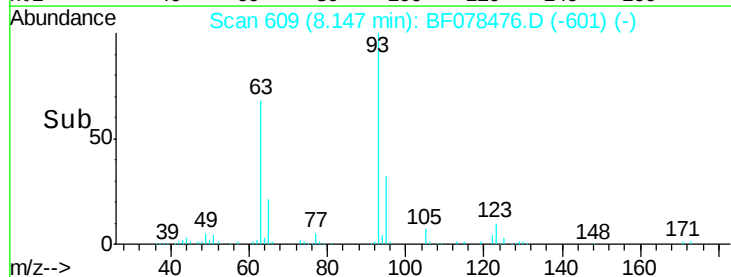
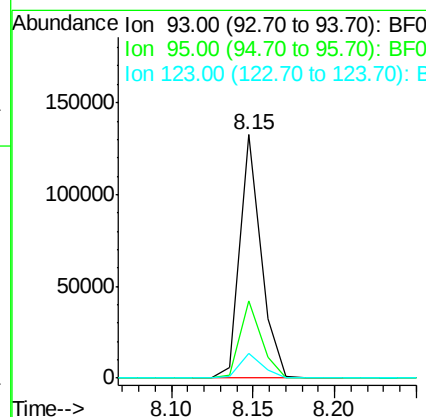
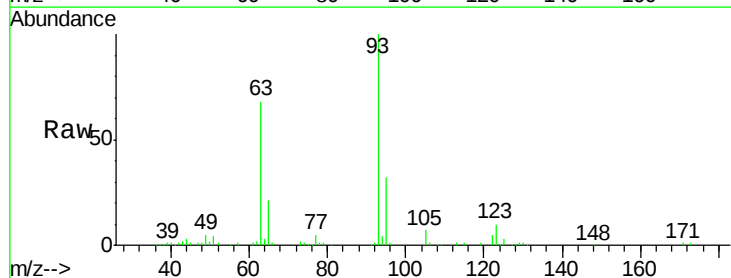
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

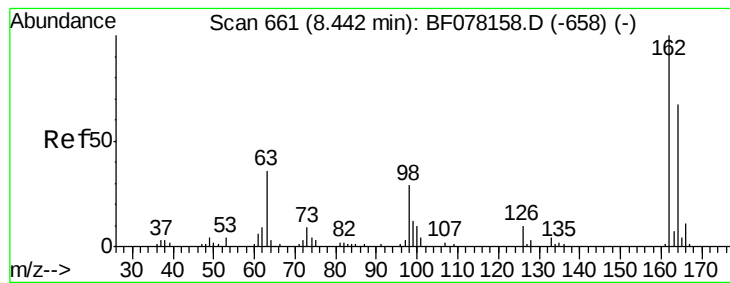
Tgt Ion:122 Resp: 76441
 Ion Ratio Lower Upper
 122 100
 107 113.5 84.6 127.0
 121 58.5 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.61 ng
 RT: 8.15 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion: 93 Resp: 117951
 Ion Ratio Lower Upper
 93 100
 95 31.6 26.3 39.5
 123 10.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 41.67 ng

RT: 8.25 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

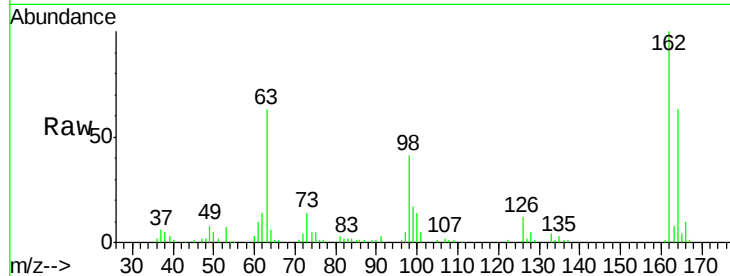
Tgt Ion:162 Resp: 79884

Ion Ratio Lower Upper

162 100

164 62.5 47.0 87.0

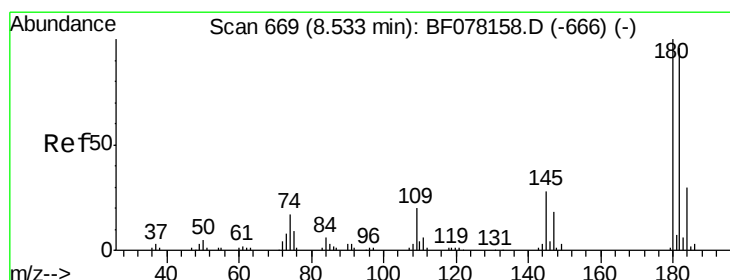
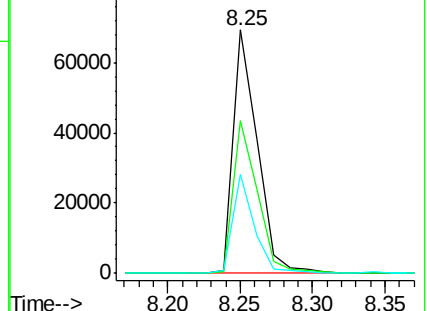
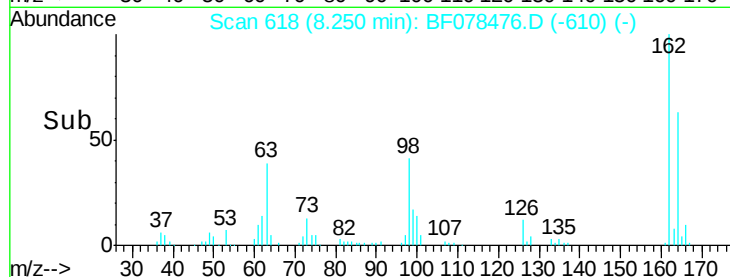
98 40.6 9.2 49.2



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: 41.22 ng

RT: 8.34 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

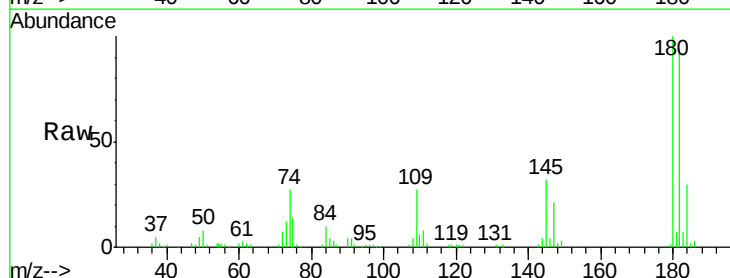
Tgt Ion:180 Resp: 90593

Ion Ratio Lower Upper

180 100

182 94.3 76.9 115.3

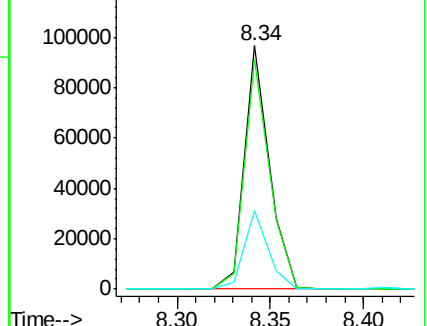
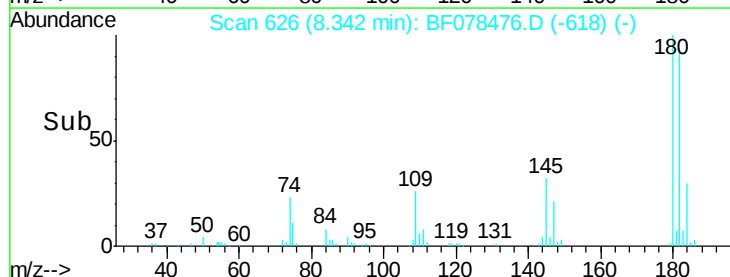
145 32.0 22.5 33.7

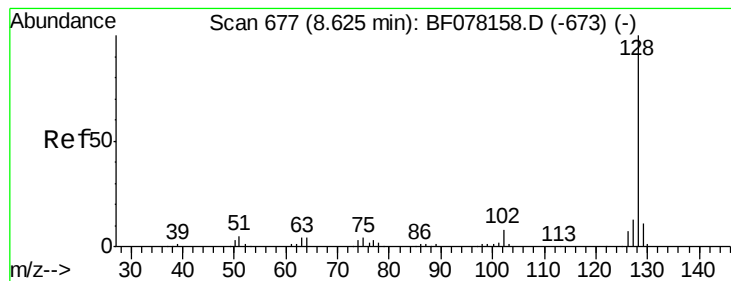


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 70.32 ng

RT: 8.43 min Scan# 634

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

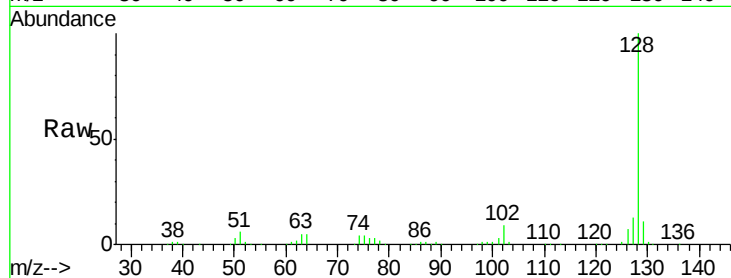
Tgt Ion:128 Resp: 504623

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

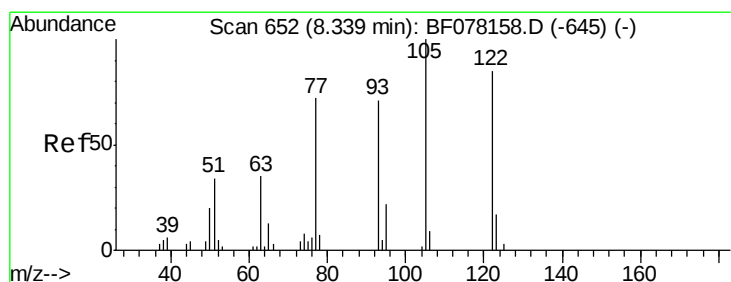
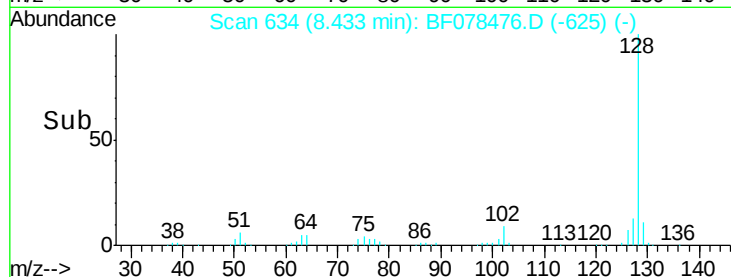
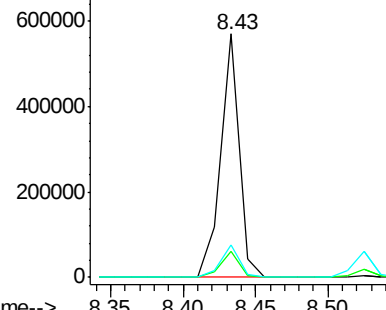
127 13.1 10.7 16.1



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: 17.56 ng

RT: 8.15 min Scan# 609

Delta R.T. -0.05 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

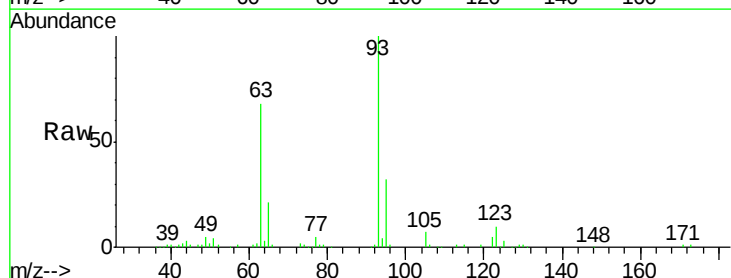
Tgt Ion:122 Resp: 13266

Ion Ratio Lower Upper

122 100

105 129.8 96.1 136.1

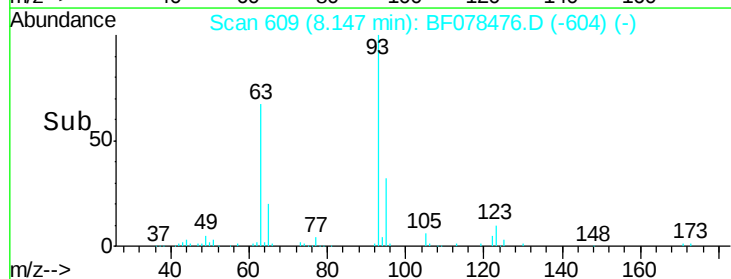
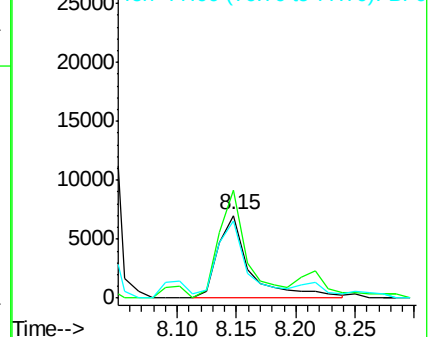
77 93.2 64.1 104.1



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

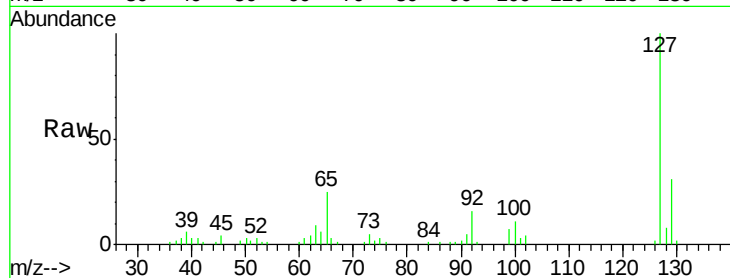




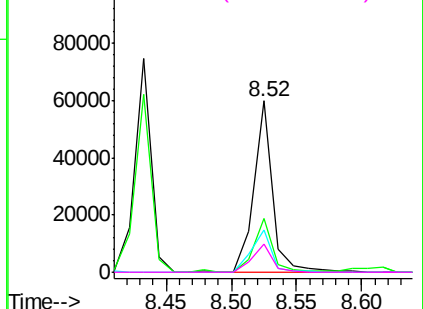
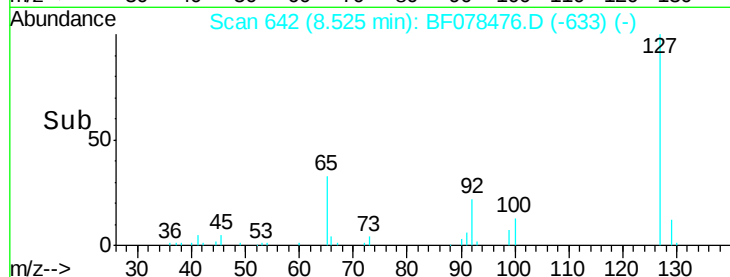
#33
4-Chloroaniline
Concen: 20.15 ng
RT: 8.52 min Scan# 642
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion:	127	Resp:	60012
Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.5	38.3
65	24.5	21.7	32.5
92	16.5	14.6	21.8

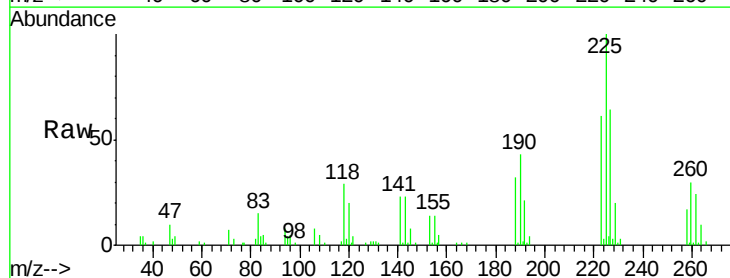


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

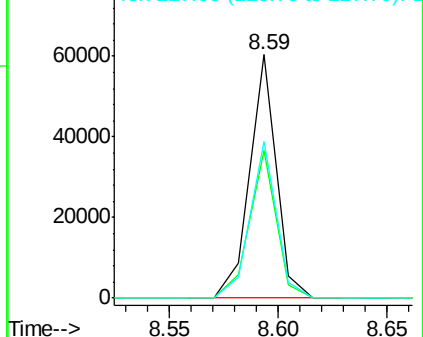
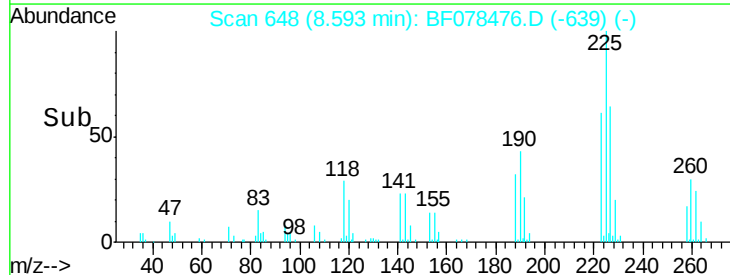


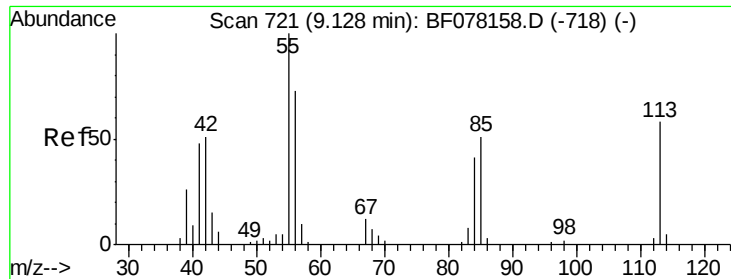
#34
Hexachlorobutadiene
Concen: 42.41 ng
RT: 8.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:	225	Resp:	51186
Ion	Ratio	Lower	Upper
225	100		
223	60.8	47.5	71.3
227	64.2	50.2	75.2



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

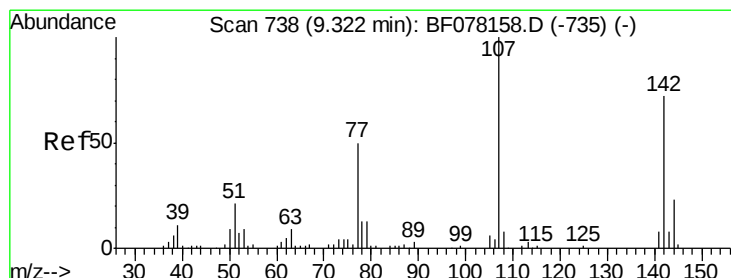
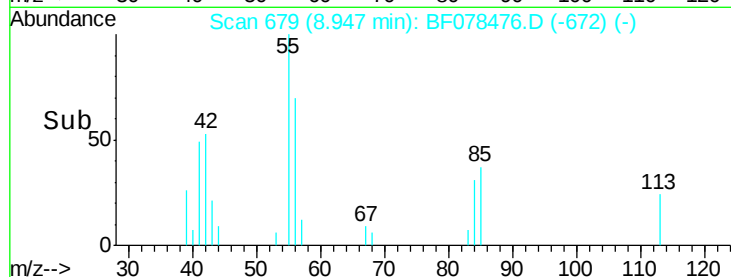
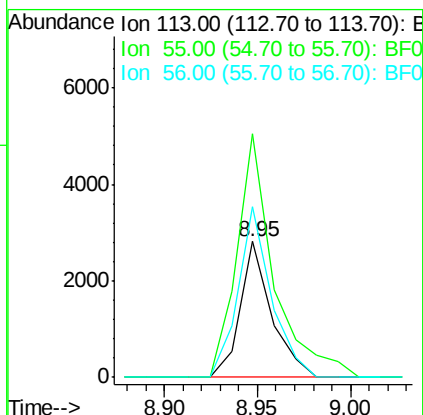
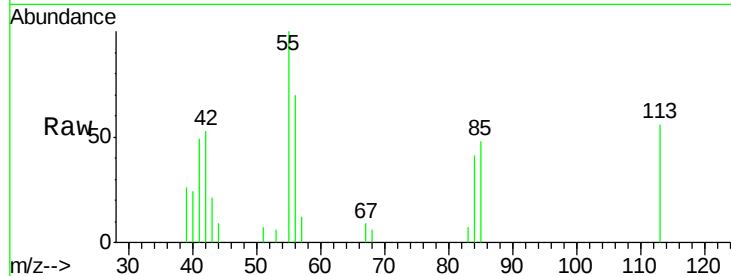




#35
 Caprolactam
 Concen: 5.74 ng
 RT: 8.95 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

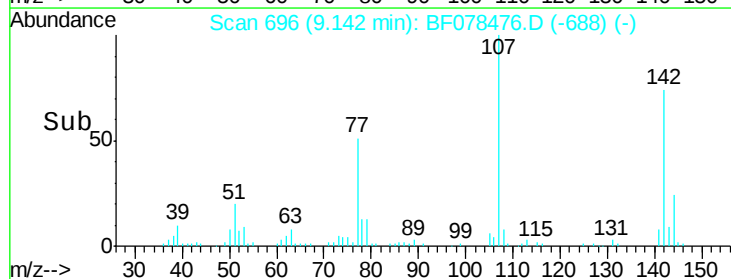
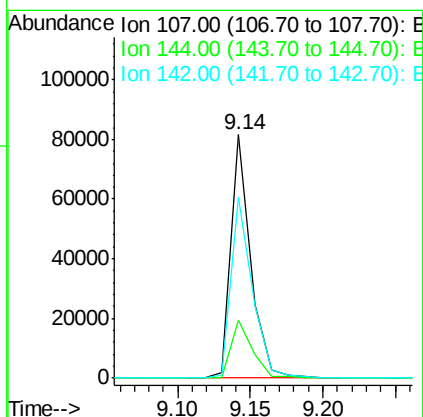
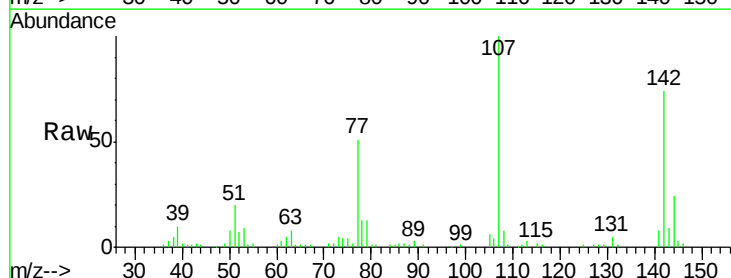
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:113 Resp: 3287
 Ion Ratio Lower Upper
 113 100
 55 179.3 151.9 191.9
 56 125.5 106.1 146.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.29 ng
 RT: 9.14 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:107 Resp: 77926
 Ion Ratio Lower Upper
 107 100
 144 23.6 18.2 27.2
 142 74.2 58.0 87.0

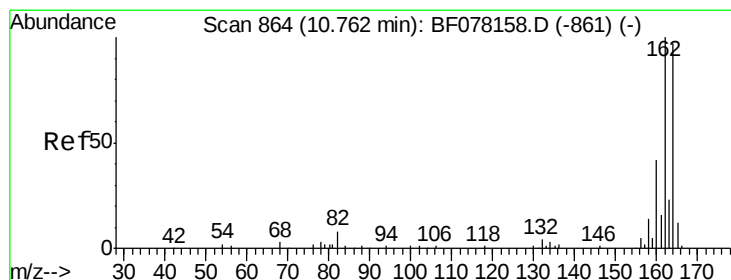
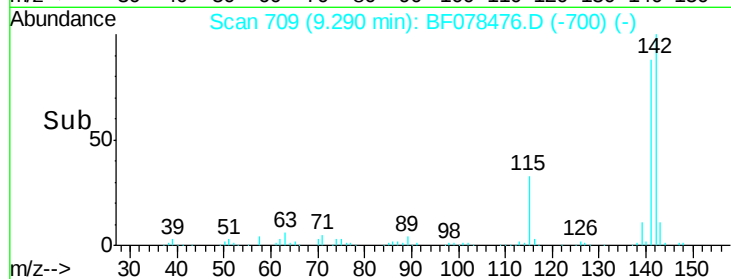
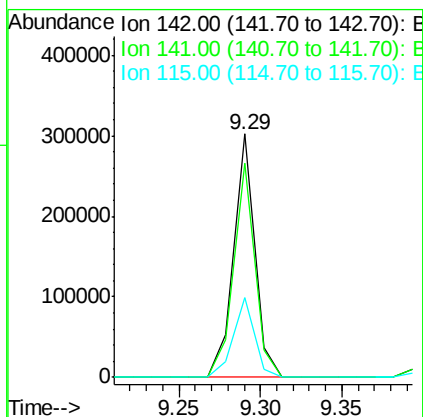
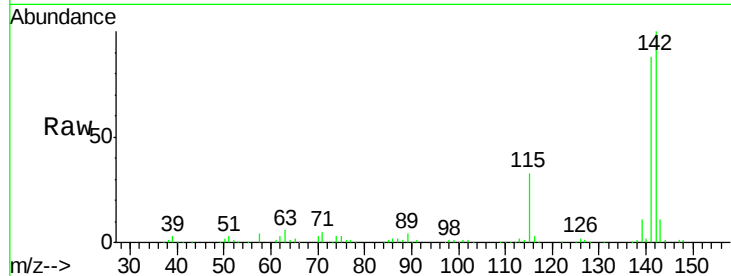




#37
2-Methylnaphthalene
Concen: 55.54 ng
RT: 9.29 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

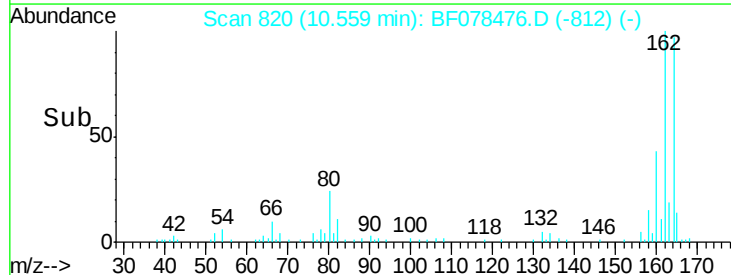
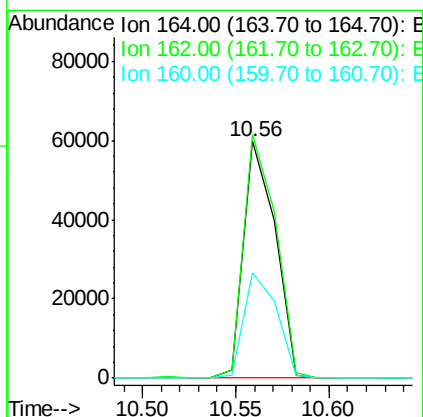
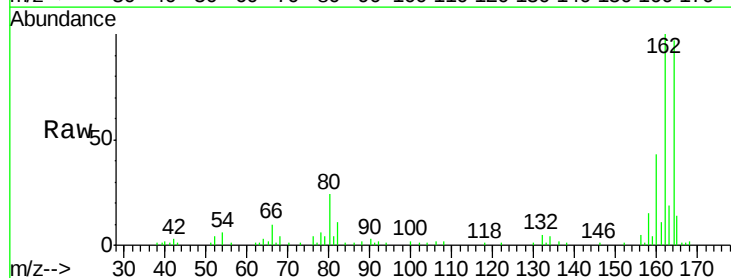
Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

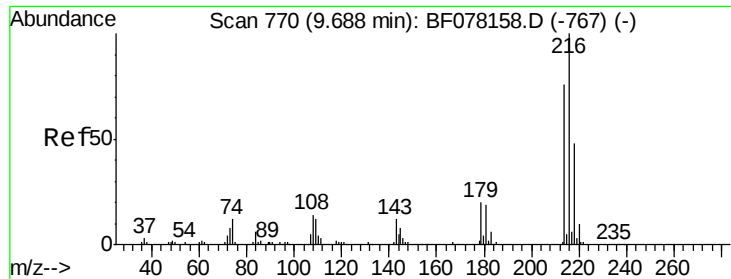
Tgt Ion:142 Resp: 270585
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 33.0 24.6 37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:164 Resp: 70243
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.2
160 44.6 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.61 ng

RT: 9.50 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

Tgt Ion:216 Resp: 92747

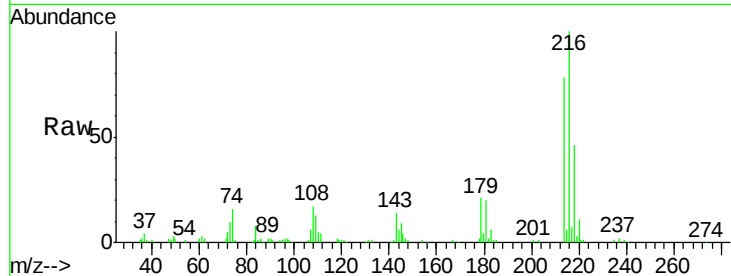
Ion Ratio Lower Upper

216 100

214 78.4 62.0 93.0

179 21.8 17.3 25.9

108 20.2 14.6 21.8

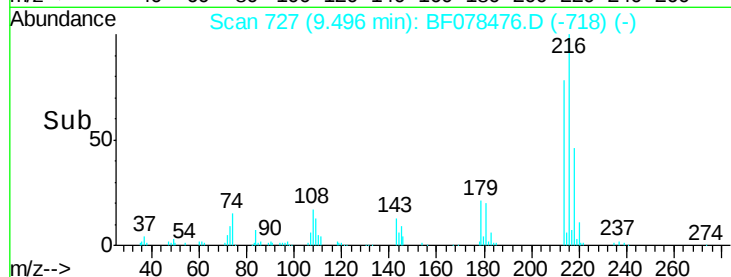


Abundance Ion 216.00 (215.70 to 216.70): E

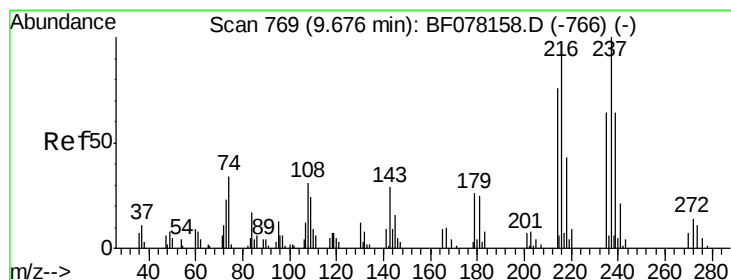
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 78.93 ng

RT: 9.48 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

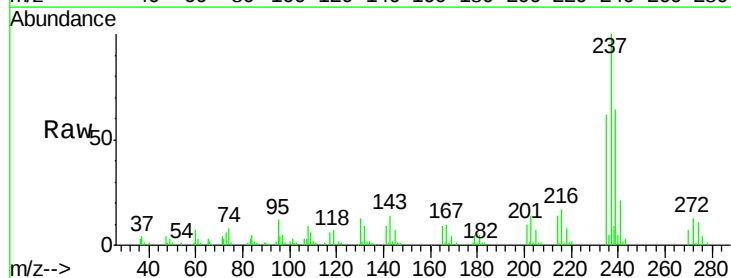
Tgt Ion:237 Resp: 73858

Ion Ratio Lower Upper

237 100

235 61.8 44.1 84.1

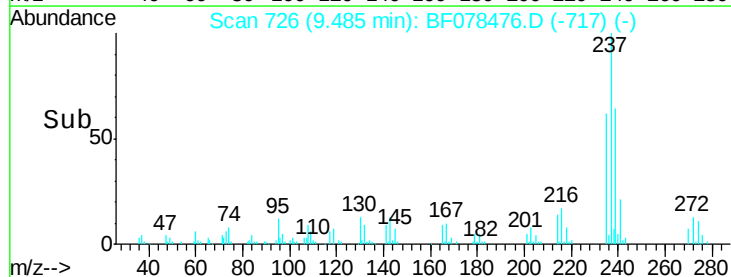
272 13.4 0.0 34.4



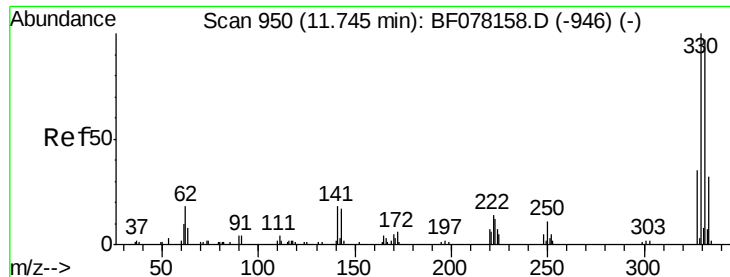
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



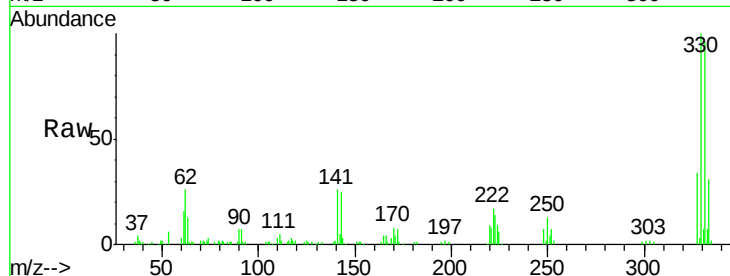
Time-->



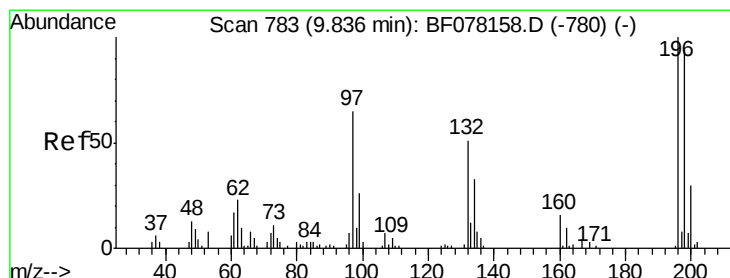
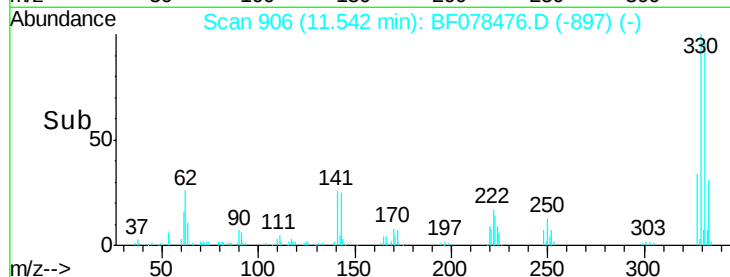
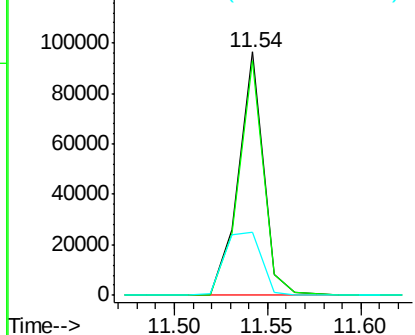
#41
 2,4,6-Tribromophenol
 Concen: 156.44 ng
 RT: 11.54 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:330 Resp: 91135
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.6 117.8
 141 38.6 31.2 46.8

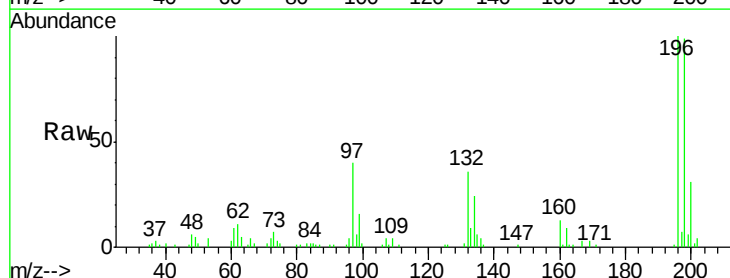


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

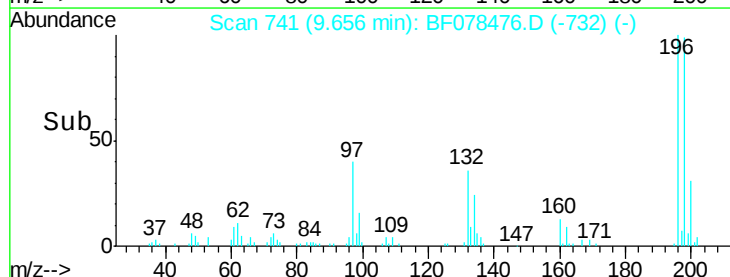
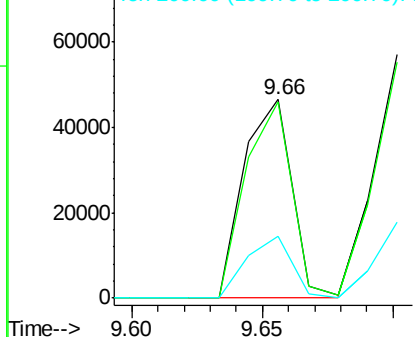


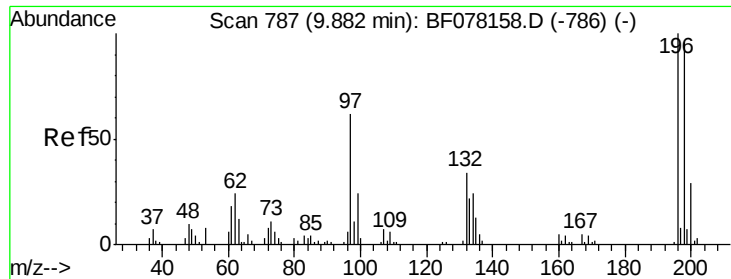
#42
 2,4,6-Trichlorophenol
 Concen: 43.39 ng
 RT: 9.66 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:196 Resp: 59557
 Ion Ratio Lower Upper
 196 100
 198 98.9 75.4 113.2
 200 31.3 24.0 36.0



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

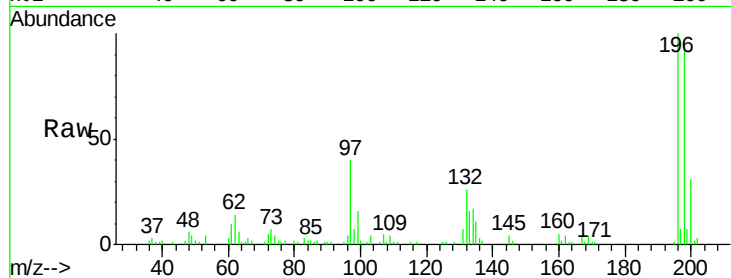




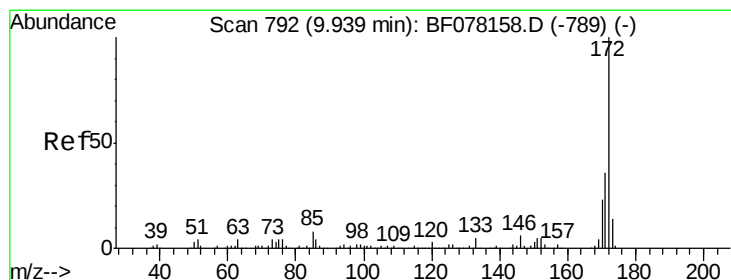
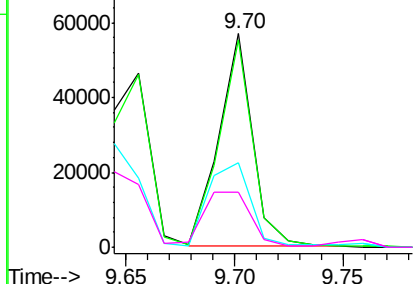
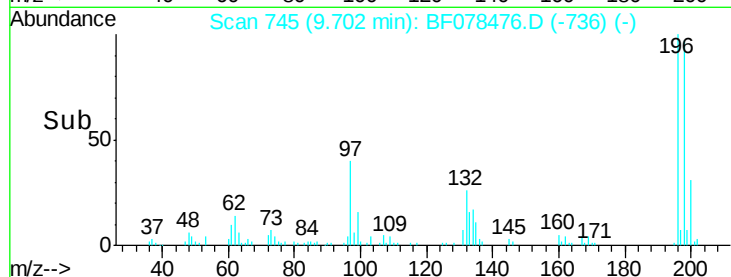
#43
 2,4,5-Trichlorophenol
 Concen: 42.50 ng
 RT: 9.70 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:196 Resp: 60941
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.6 115.0
 97 39.8 50.6 75.8#
 132 25.7 27.7 41.5#

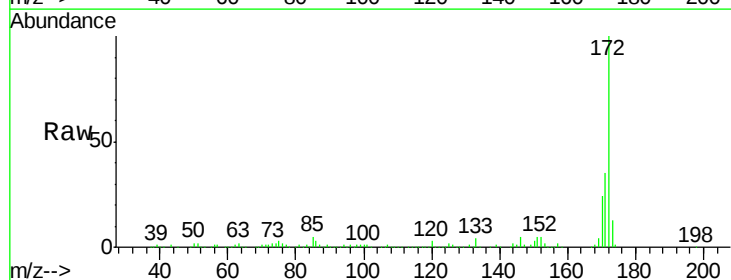


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

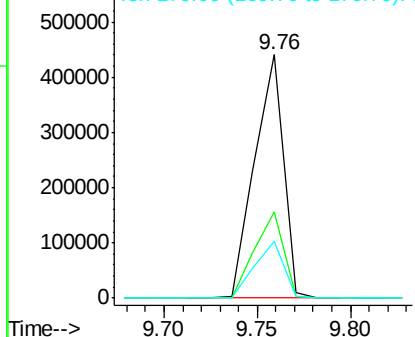
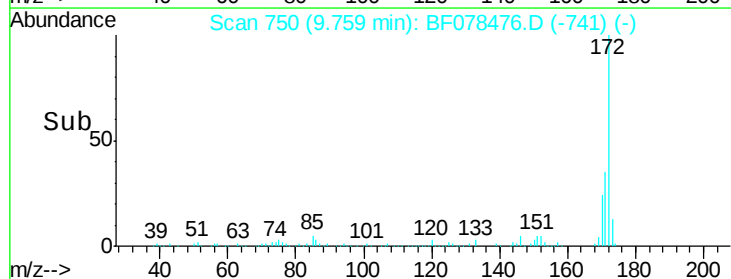


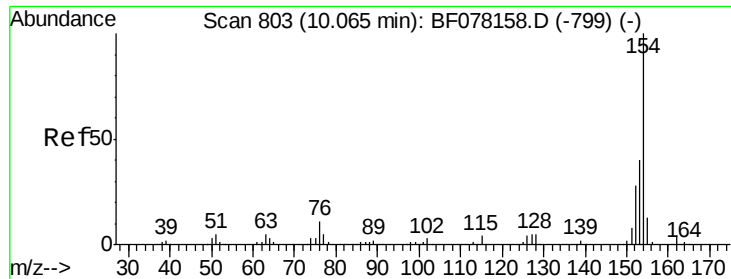
#44
 2-Fluorobiphenyl
 Concen: 95.73 ng
 RT: 9.76 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:172 Resp: 470426
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 23.5 18.5 27.7



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

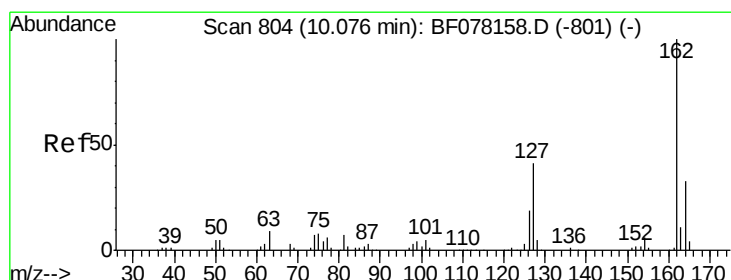
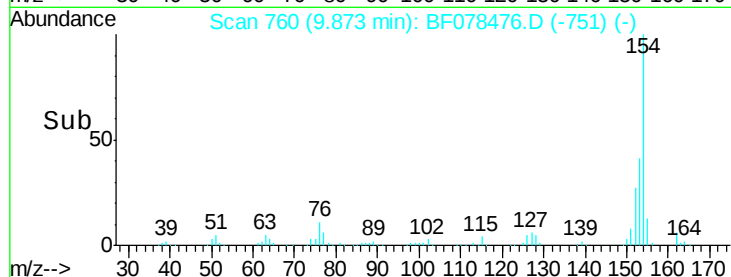
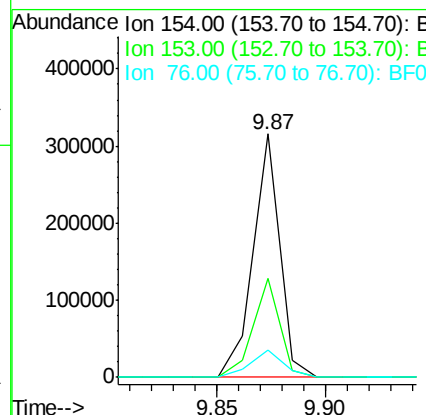
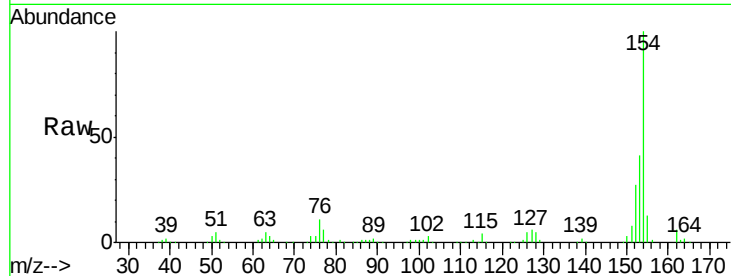




#45
 1,1'-Biphenyl
 Concen: 46.82 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

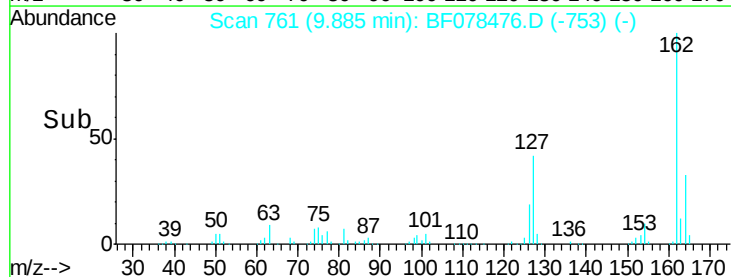
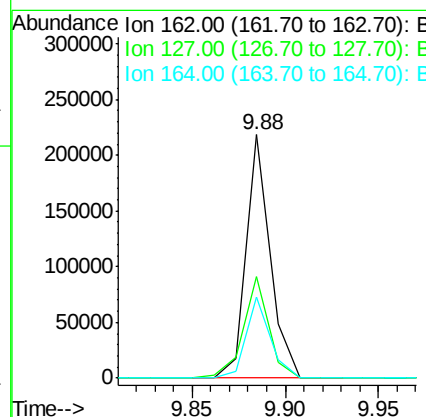
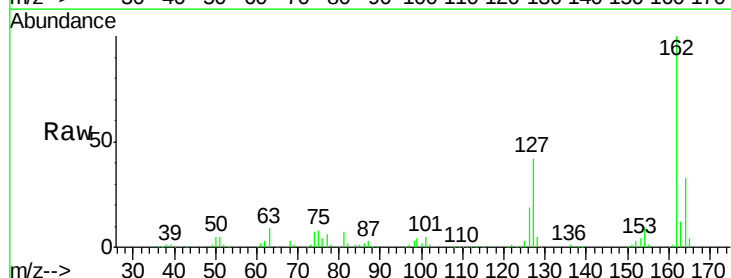
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

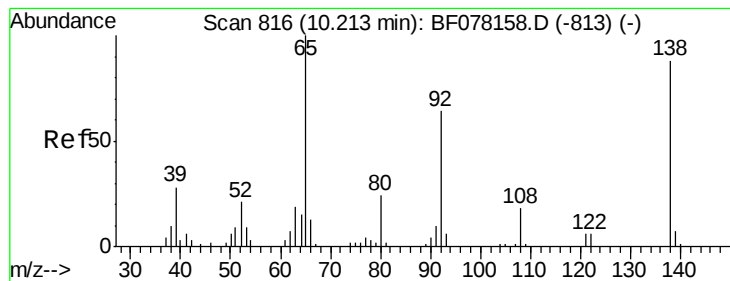
Tgt Ion:	154	Resp:	268985
Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	11.2	0.0	30.6



#46
 2-Chloronaphthalene
 Concen: 43.45 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:	162	Resp:	196409
Ion	Ratio	Lower	Upper
162	100		
127	41.9	32.6	49.0
164	33.2	26.0	39.0





#47

2-Nitroaniline

Concen: 48.50 ng

RT: 10.03 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

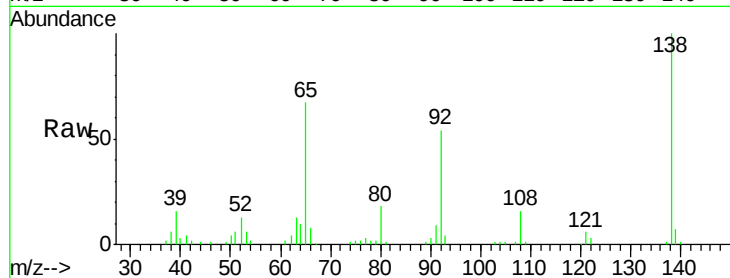
Tgt Ion: 65 Resp: 54249

Ion Ratio Lower Upper

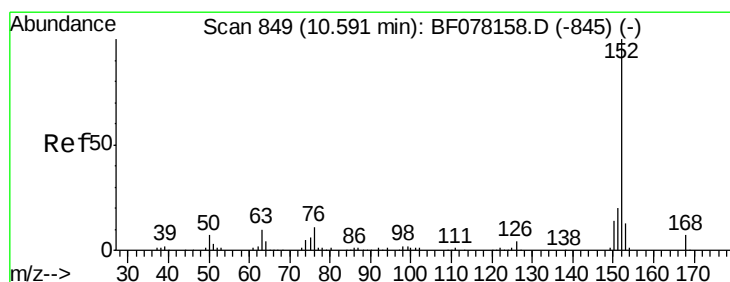
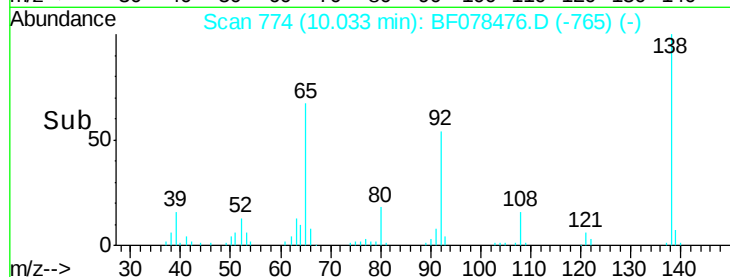
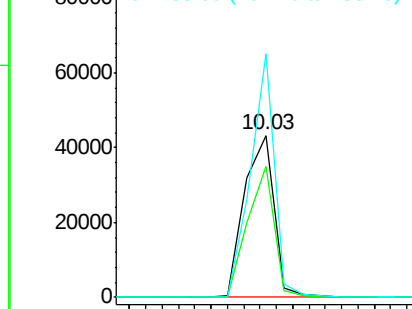
65 100

92 80.5 51.3 76.9#

138 150.2 70.4 105.6#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 43.55 ng

RT: 10.39 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

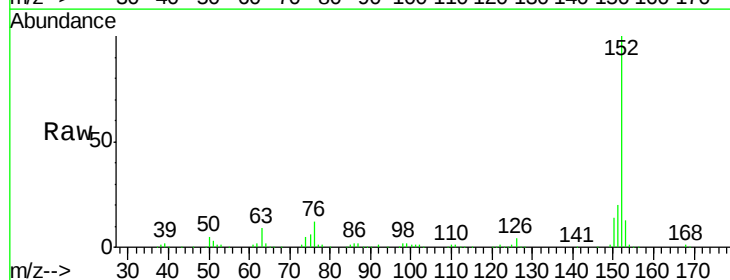
Tgt Ion: 152 Resp: 317949

Ion Ratio Lower Upper

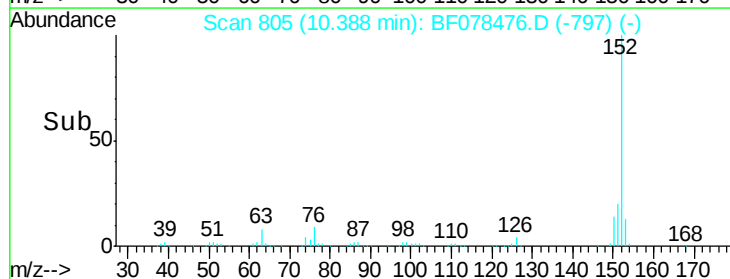
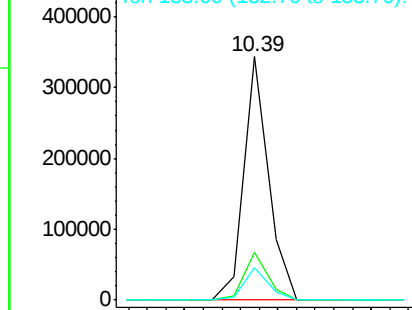
152 100

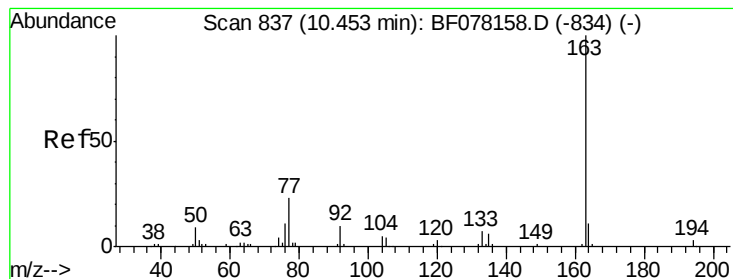
151 19.8 15.7 23.5

153 13.2 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 45.33 ng

RT: 10.27 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

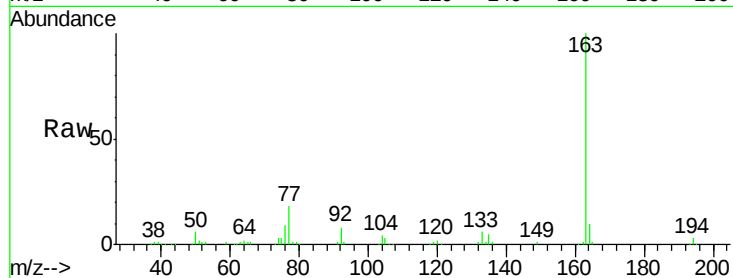
Tgt Ion:163 Resp: 239206

Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5

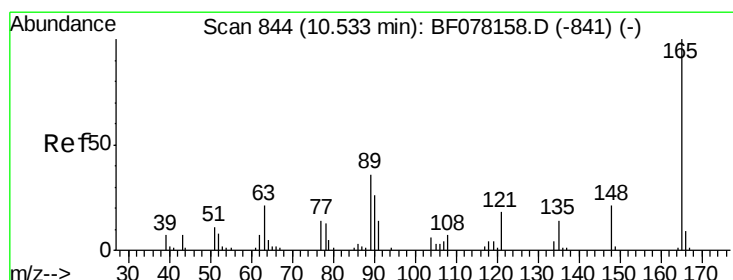
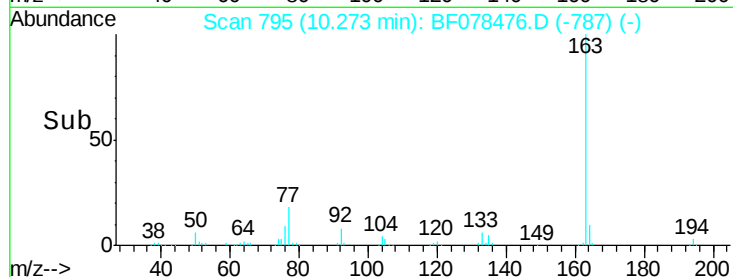
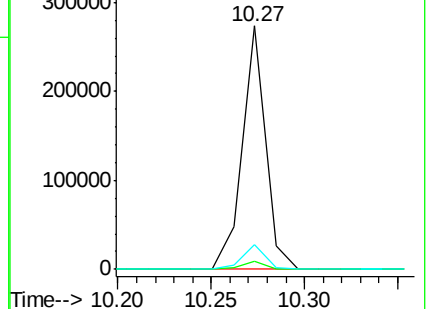
164 10.2 8.6 13.0



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: 47.46 ng

RT: 10.34 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

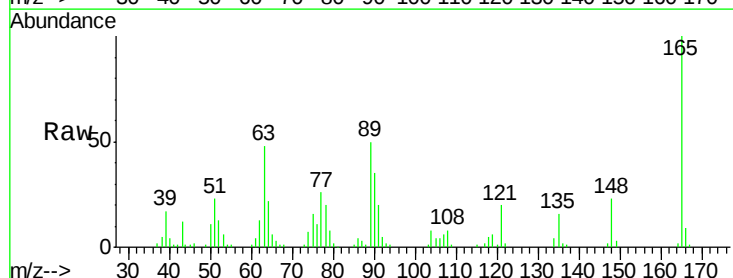
Tgt Ion:165 Resp: 51529

Ion Ratio Lower Upper

165 100

63 48.3 24.1 36.1#

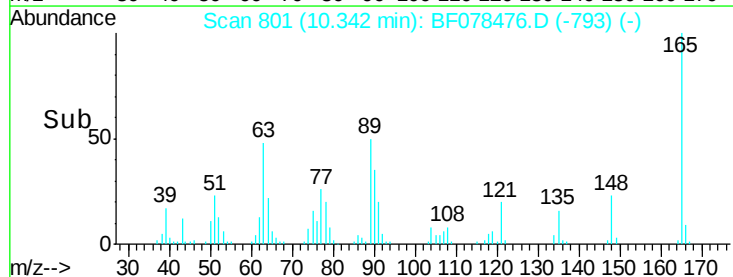
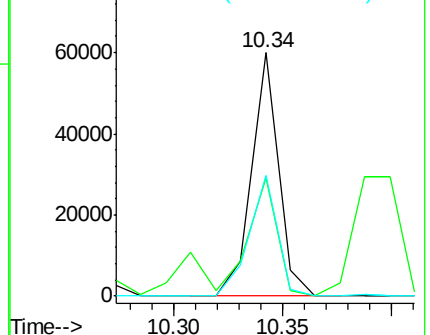
89 49.8 28.9 43.3#

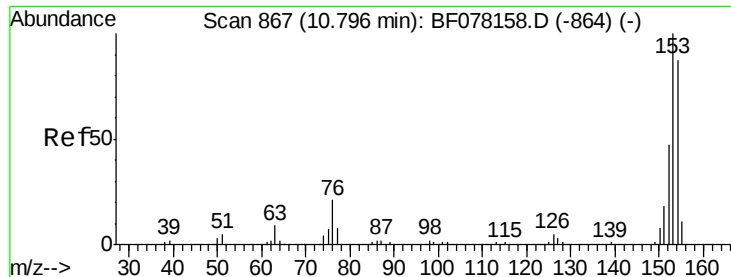


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.02 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

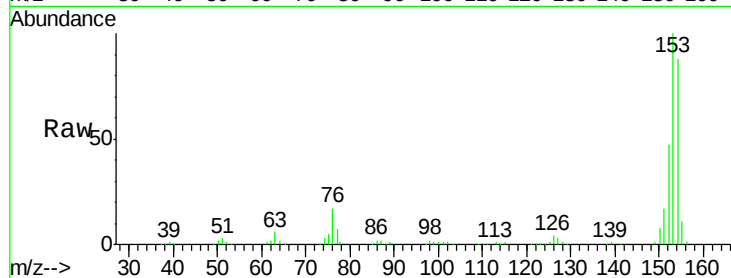
Tgt Ion:154 Resp: 189125

Ion Ratio Lower Upper

154 100

153 113.7 91.4 137.2

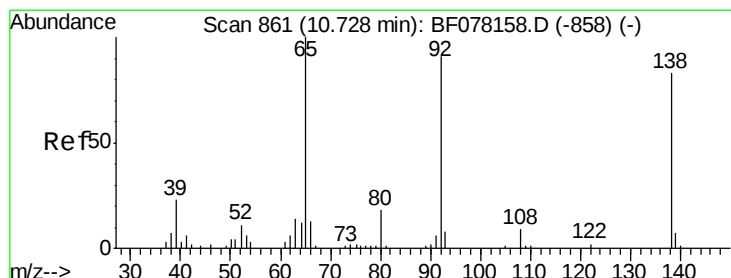
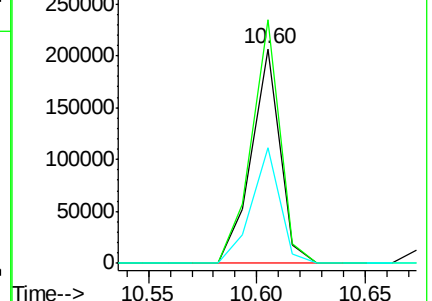
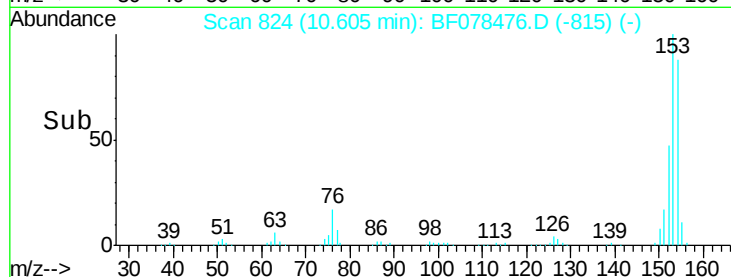
152 53.8 43.0 64.6



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: 29.58 ng

RT: 10.54 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

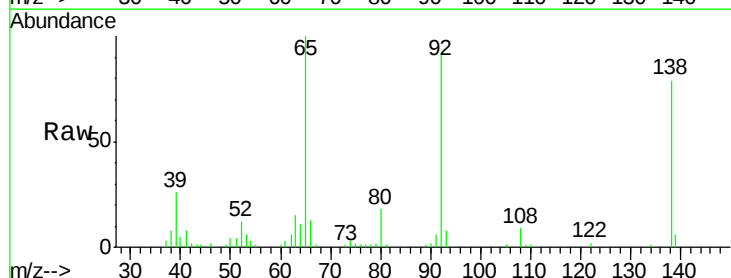
Tgt Ion:138 Resp: 36519

Ion Ratio Lower Upper

138 100

108 10.8 8.2 12.4

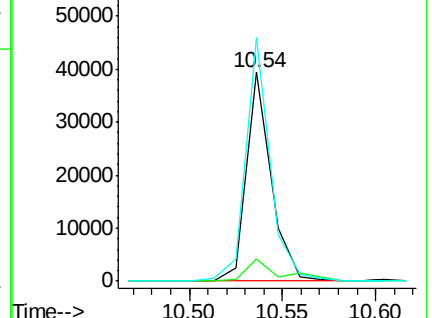
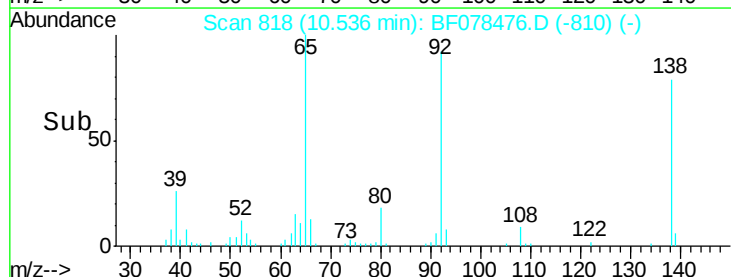
92 116.5 88.4 132.6

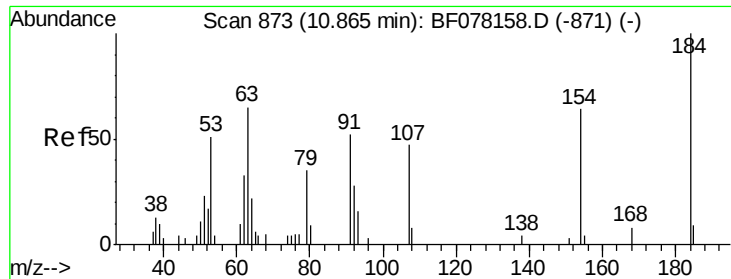


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

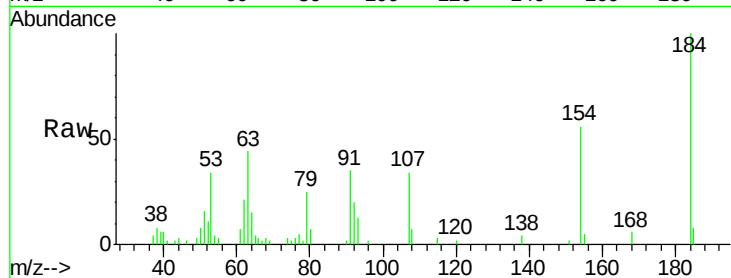




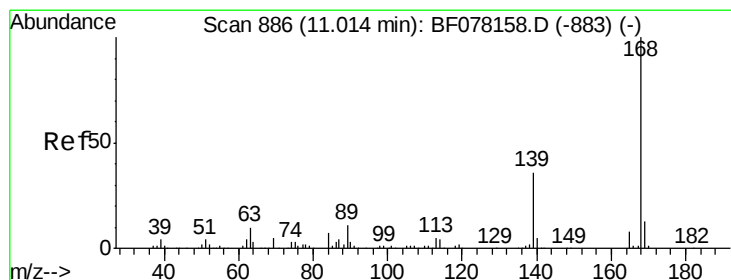
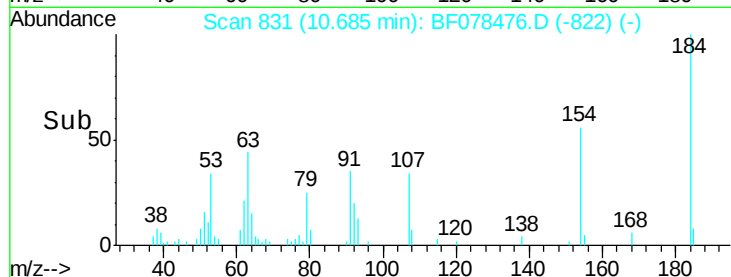
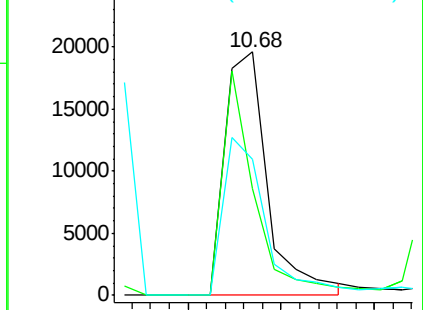
#53
2,4-Dinitrophenol
Concen: 76.38 ng
RT: 10.68 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion:184 Resp: 31523
Ion Ratio Lower Upper
184 100
63 43.9 51.9 77.9#
154 55.7 51.0 76.4

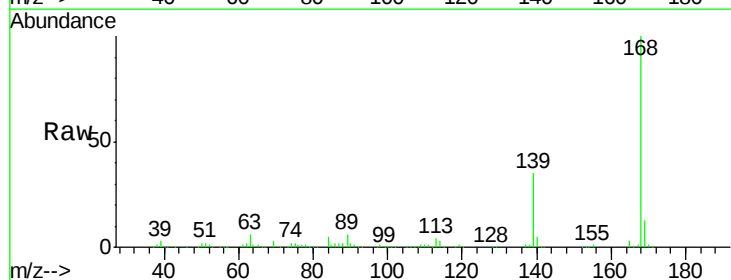


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

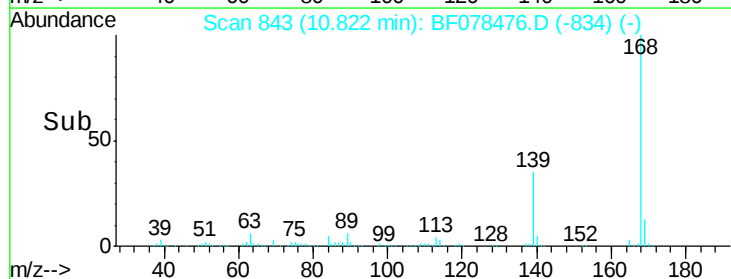
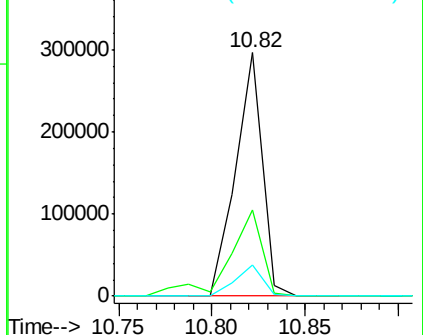


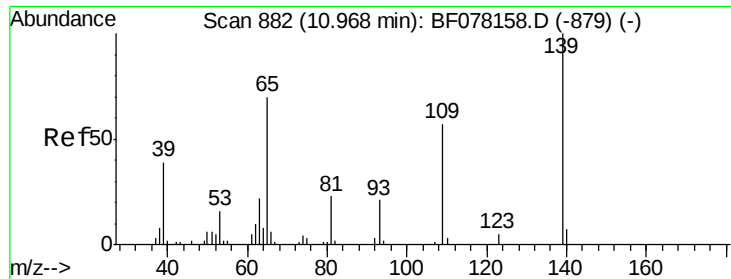
#54
Dibenzofuran
Concen: 47.53 ng
RT: 10.82 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:168 Resp: 298380
Ion Ratio Lower Upper
168 100
139 35.5 31.0 46.4
169 12.8 10.7 16.1



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

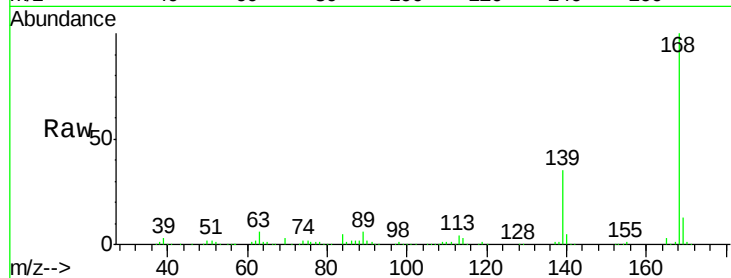




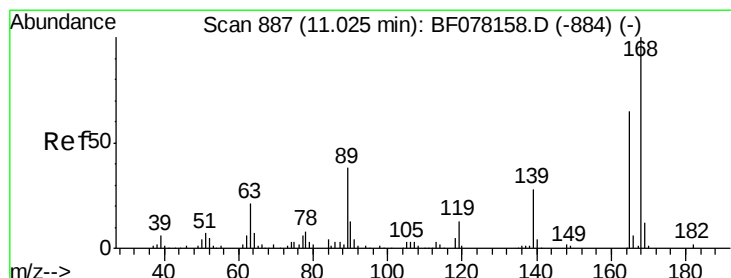
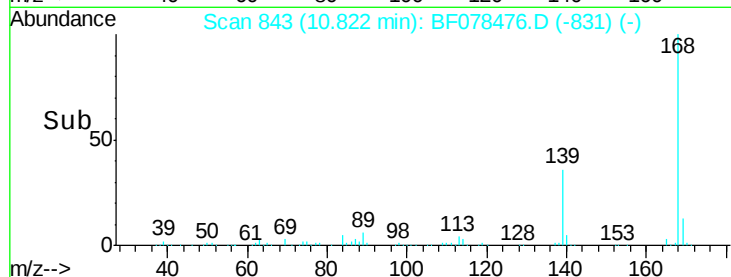
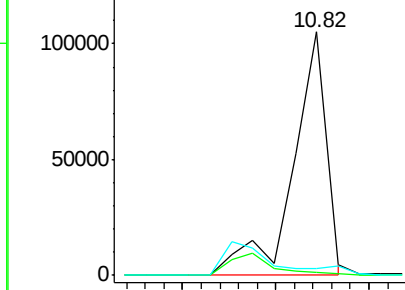
#55
4-Nitrophenol
Concen: 142.53 ng
RT: 10.82 min Scan# 843
Delta R.T. 0.03 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.5	36.7	76.7#
65	2.8	49.9	89.9#



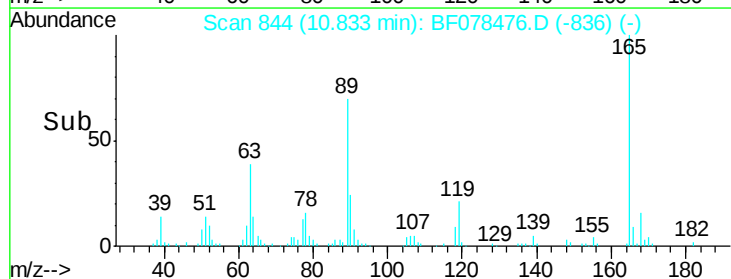
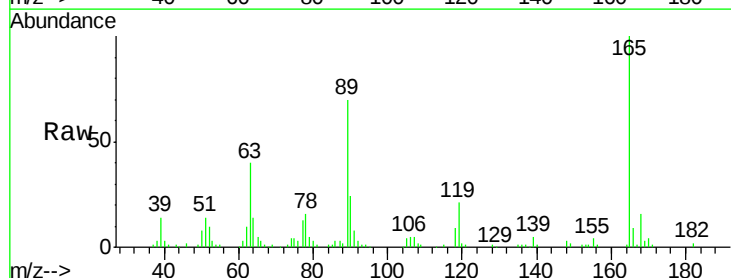
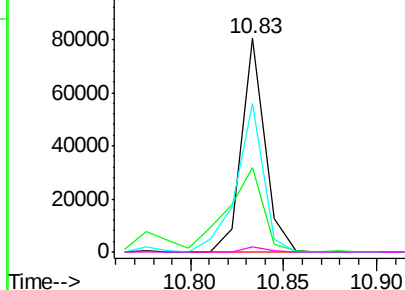
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

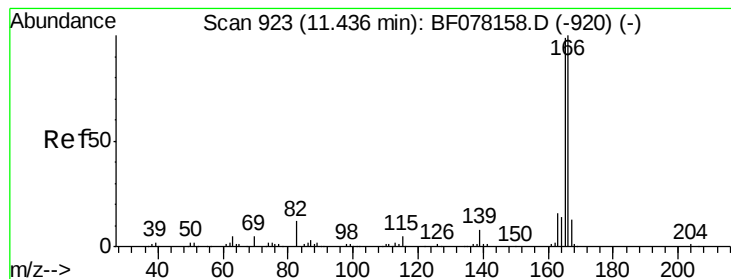


#56
2,4-Dinitrotoluene
Concen: 49.77 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	39.7	26.5	39.7#
89	69.5	46.4	69.6
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): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 48.15 ng

RT: 11.23 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

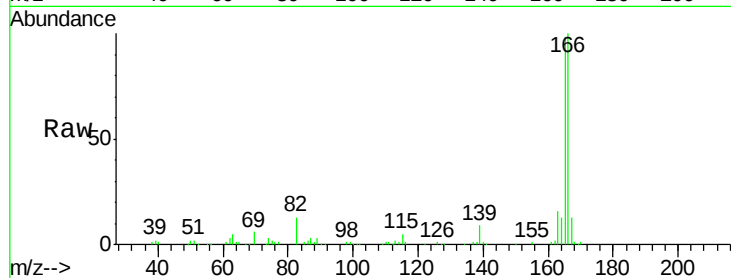
Tgt Ion:166 Resp: 244984

Ion Ratio Lower Upper

166 100

165 97.8 78.9 118.3

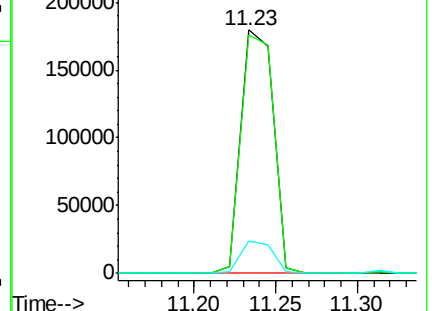
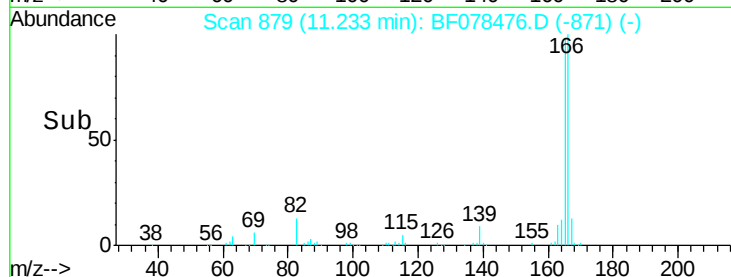
167 13.4 10.7 16.1



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: 47.58 ng

RT: 10.98 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Tgt Ion:232 Resp: 50586

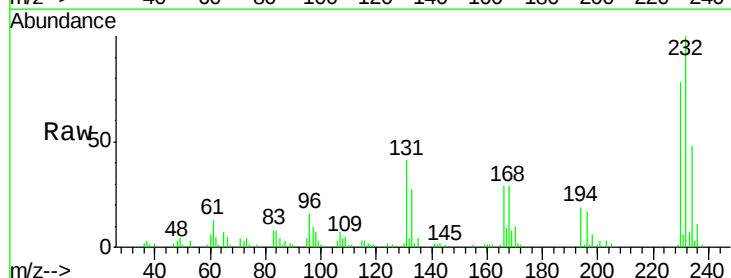
Ion Ratio Lower Upper

232 100

131 45.0 37.8 56.8

130 2.2 1.5 2.3

166 32.4 25.8 38.6

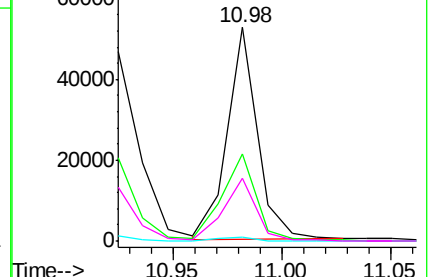
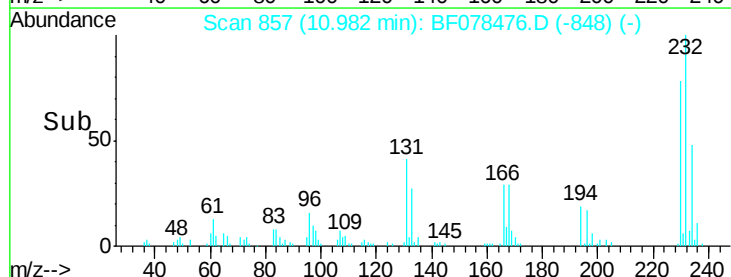


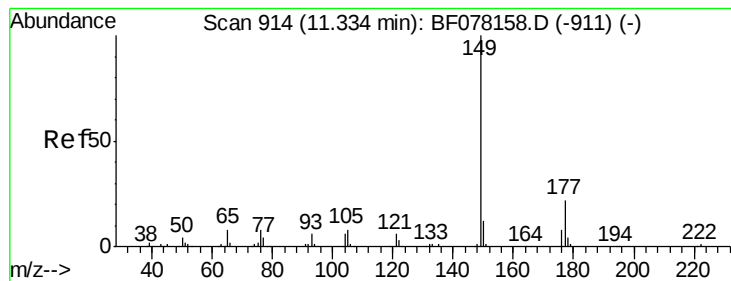
Abundance Ion 232.00 (231.70 to 232.70): E

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: 47.36 ng

RT: 11.14 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

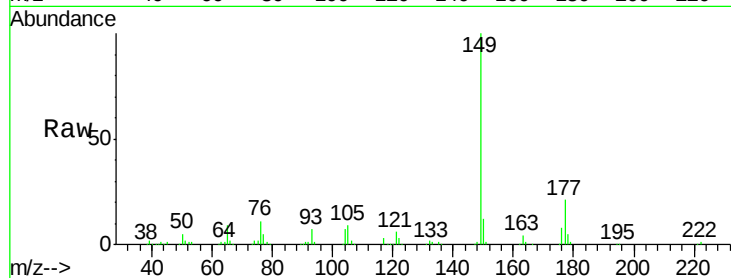
Tgt Ion:149 Resp: 241007

Ion Ratio Lower Upper

149 100

177 20.7 17.4 26.2

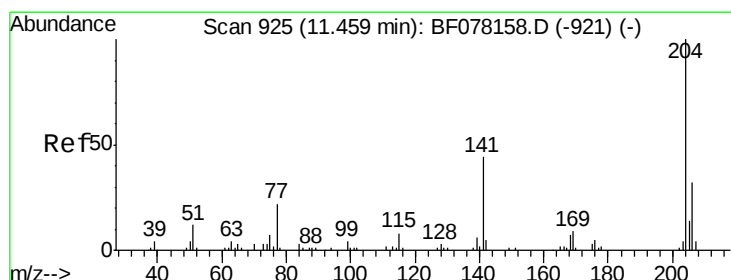
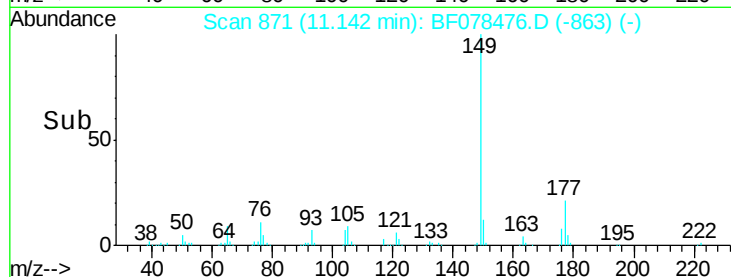
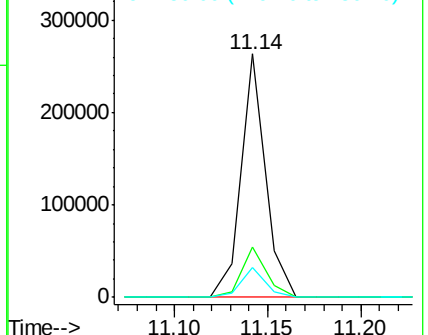
150 12.3 9.4 14.2



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: 47.90 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

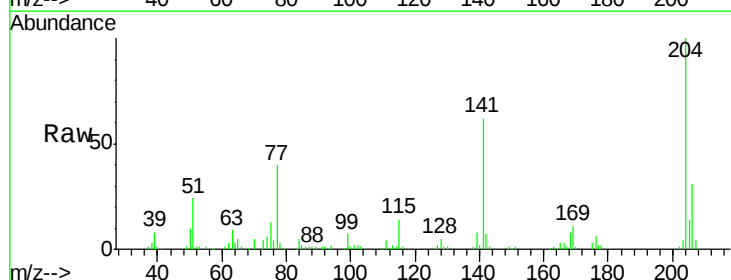
Tgt Ion:204 Resp: 112124

Ion Ratio Lower Upper

204 100

206 31.5 25.6 38.4

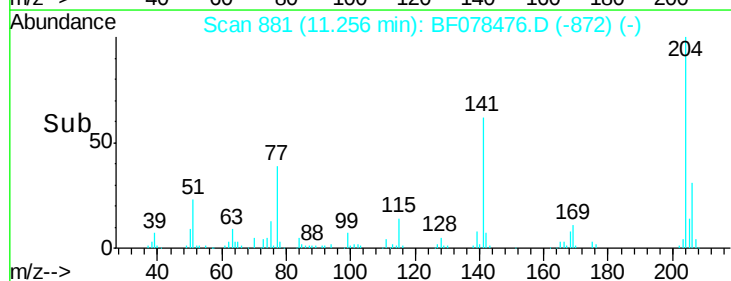
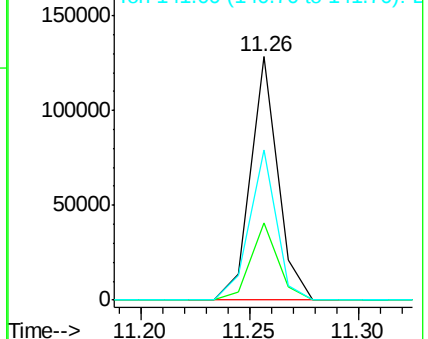
141 61.9 35.4 53.0#

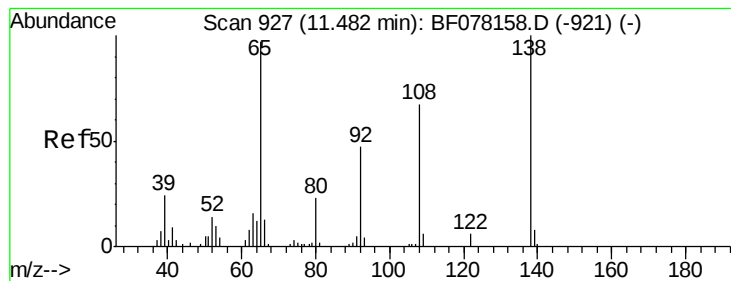


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.43 ng

RT: 11.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

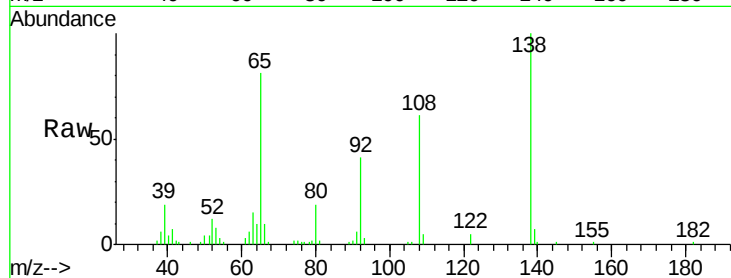
Tgt Ion:138 Resp: 51710

Ion Ratio Lower Upper

138 100

92 41.5 27.3 67.3

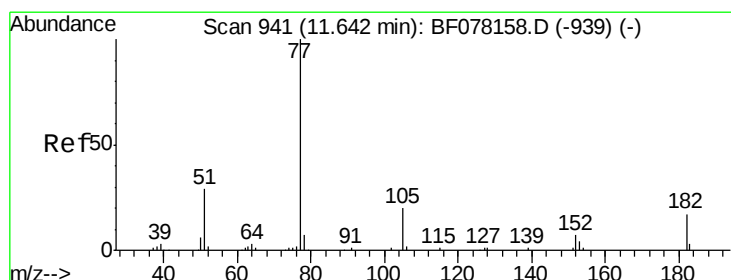
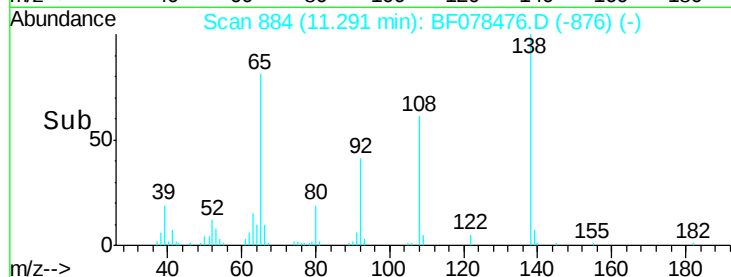
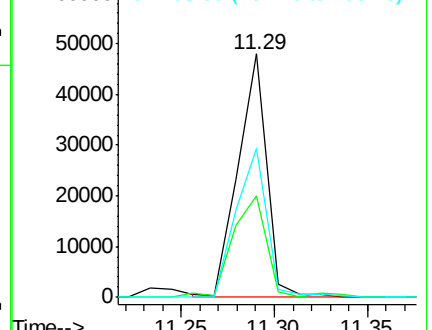
108 60.9 47.2 87.2



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: 53.85 ng

RT: 11.45 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Tgt Ion: 77 Resp: 250066

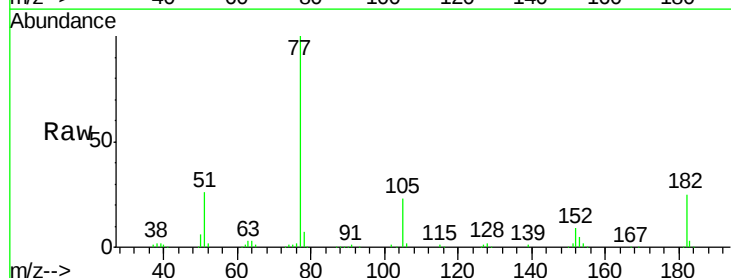
Ion Ratio Lower Upper

77 100

182 25.3 0.0 36.8

105 23.0 0.3 40.3

51 26.5 9.1 49.1

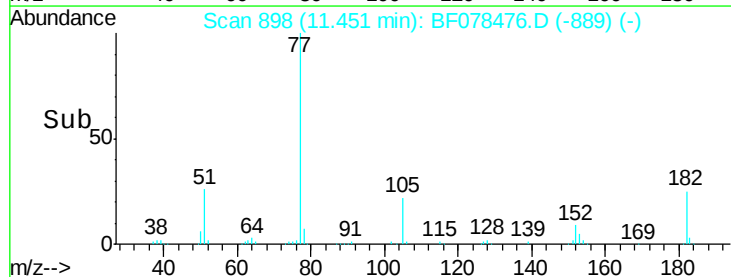
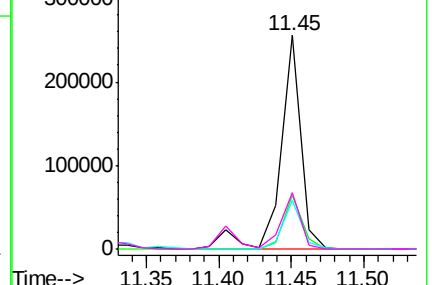


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

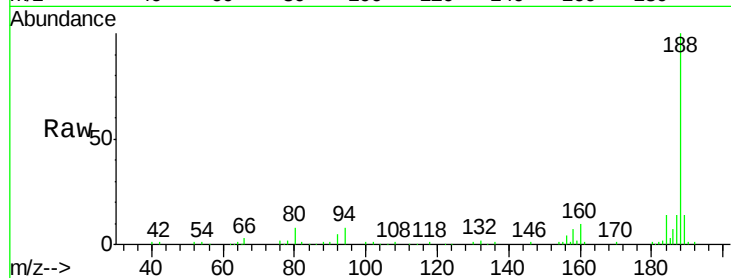




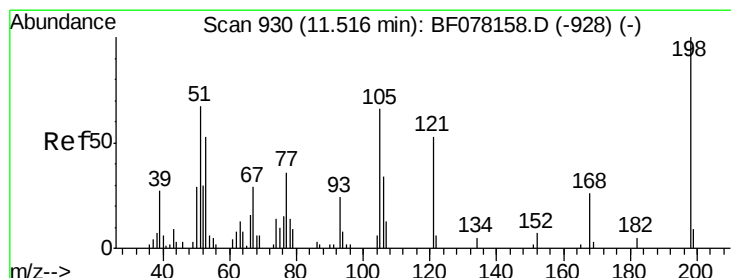
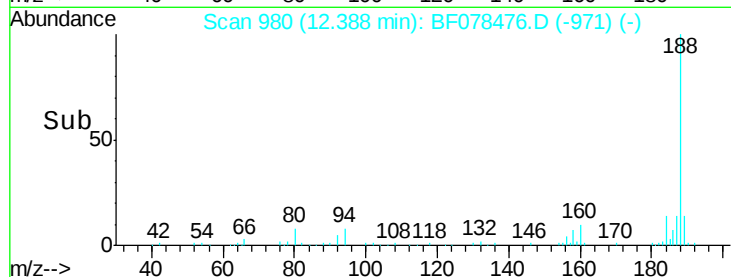
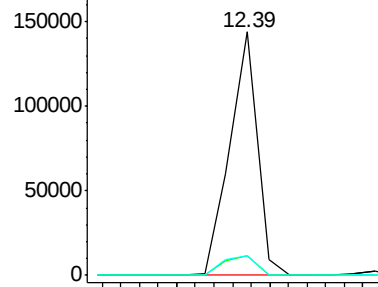
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.0	13.4#
80	7.8	9.5	14.3#

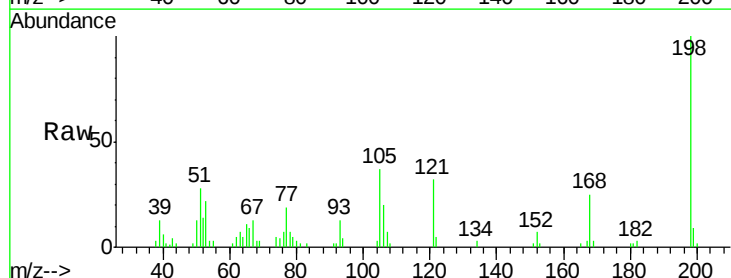


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

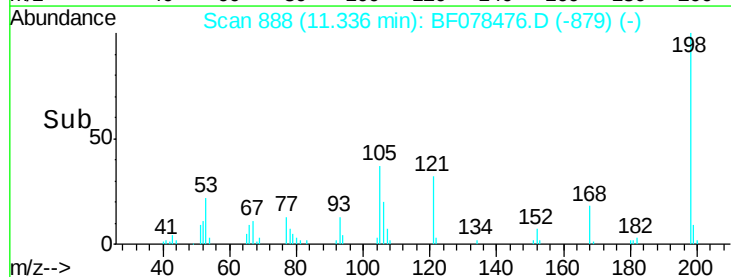
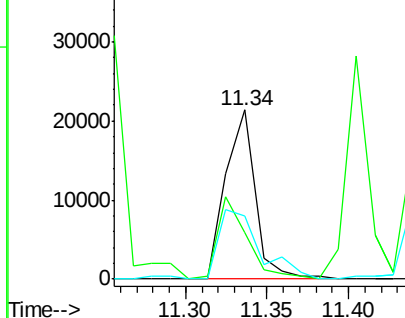


#64
 4,6-Dinitro-2-methylphenol
 Concen: 38.66 ng
 RT: 11.34 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion	Ratio	Lower	Upper
198	100		
51	27.8	48.6	88.6#
105	37.4	45.8	85.8#



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

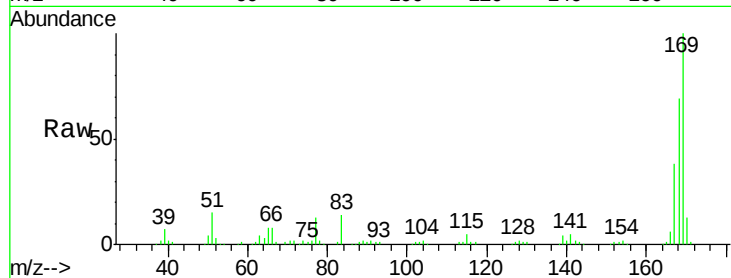




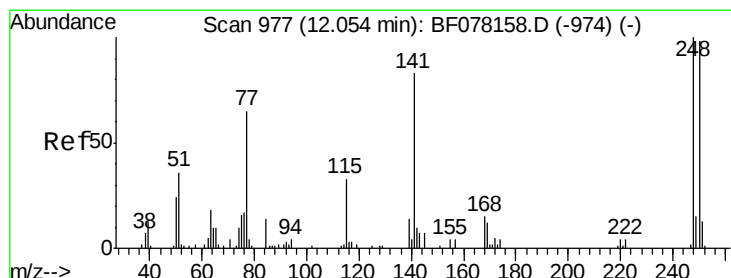
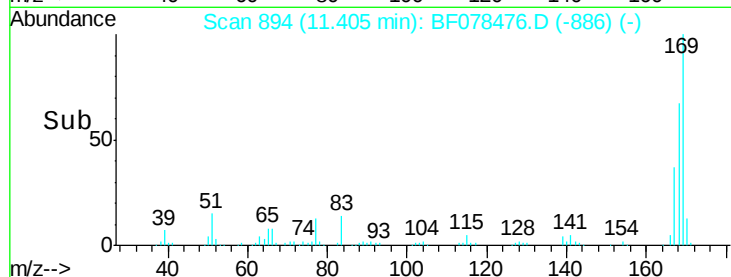
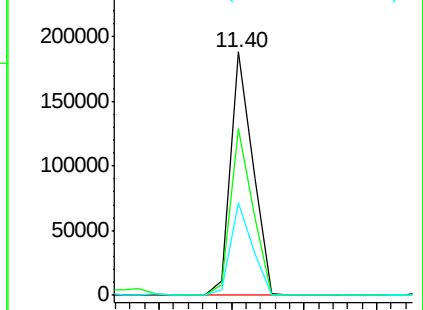
#65
 n-Nitrosodiphenylamine
 Concen: 39.40 ng
 RT: 11.40 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.7	55.0	82.4
167	37.8	29.3	43.9

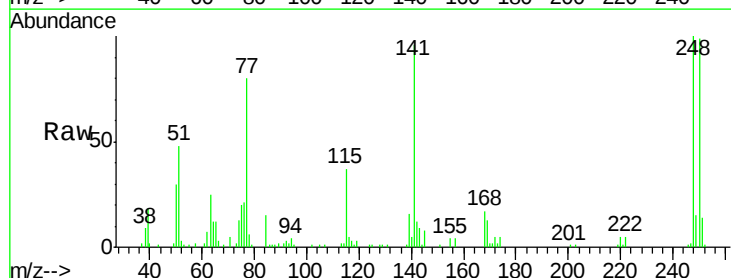


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

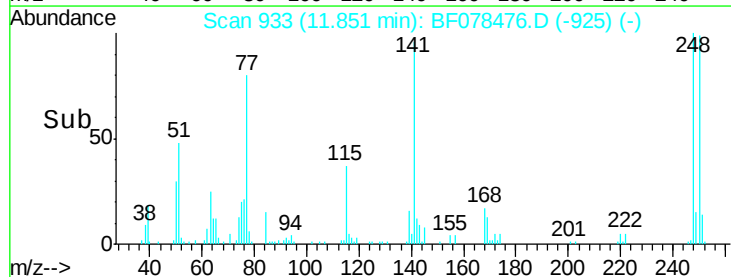
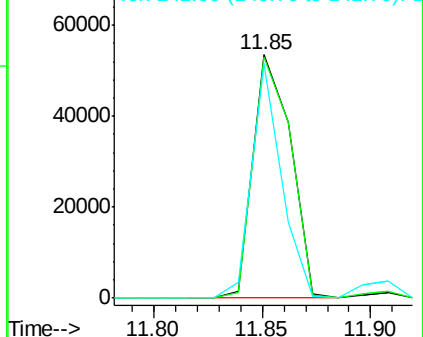


#66
 4-Bromophenyl-phenylether
 Concen: 41.52 ng
 RT: 11.85 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.2	117.2
141	96.3	66.4	99.6



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

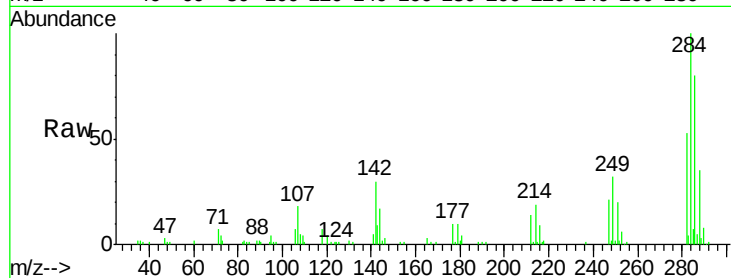




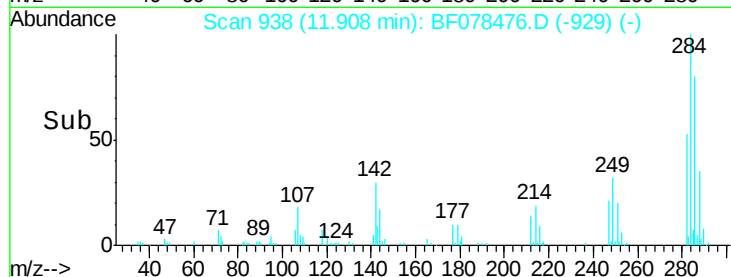
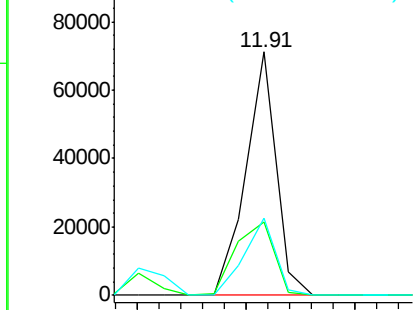
#67
Hexachlorobenzene
Concen: 40.19 ng
RT: 11.91 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion:284 Resp: 68806
Ion Ratio Lower Upper
284 100
142 30.1 24.5 36.7
249 31.7 24.8 37.2

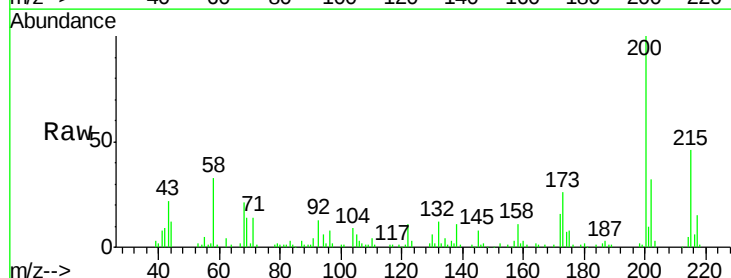


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

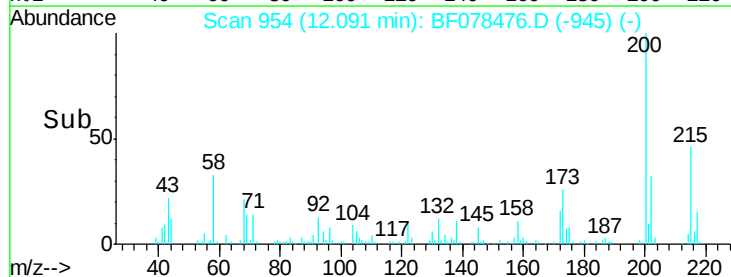
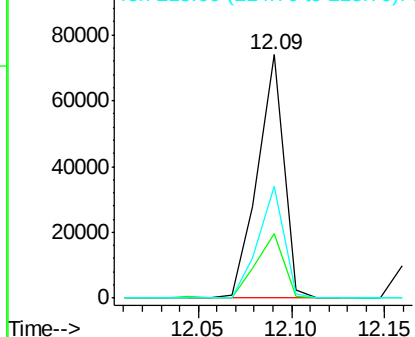


#68
Atrazine
Concen: 48.76 ng
RT: 12.09 min Scan# 954
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:200 Resp: 72069
Ion Ratio Lower Upper
200 100
173 26.3 6.9 46.9
215 45.9 27.1 67.1



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

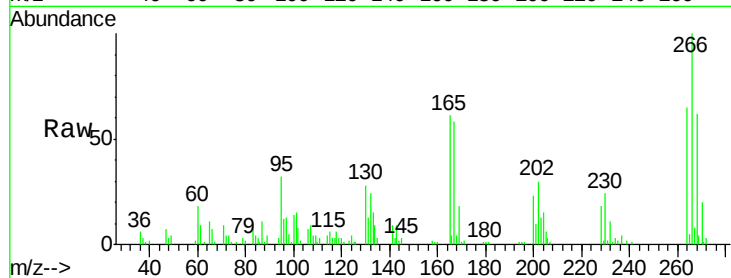




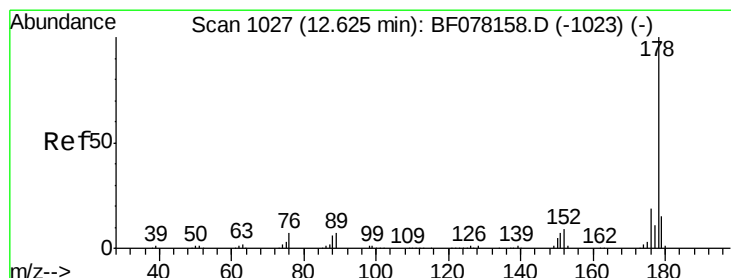
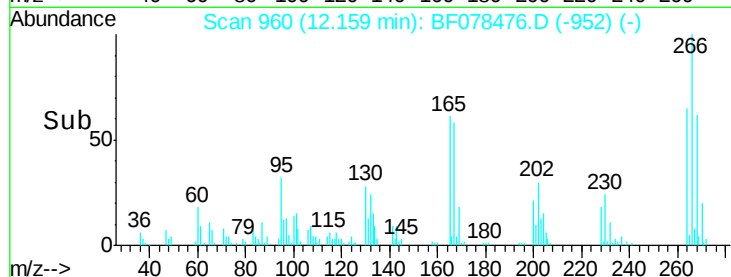
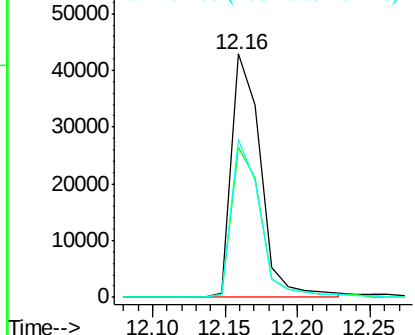
#69
 Pentachlorophenol
 Concen: 79.21 ng
 RT: 12.16 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:266 Resp: 60073
 Ion Ratio Lower Upper
 266 100
 268 61.8 50.1 75.1
 264 64.6 50.0 75.0

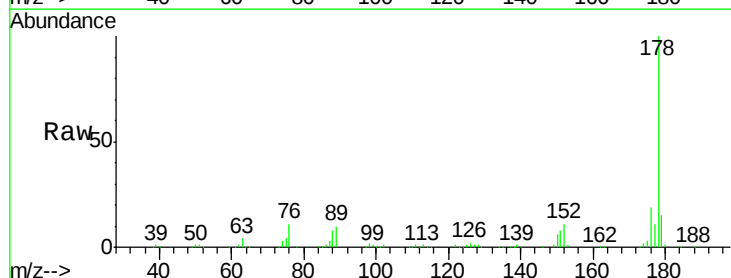


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

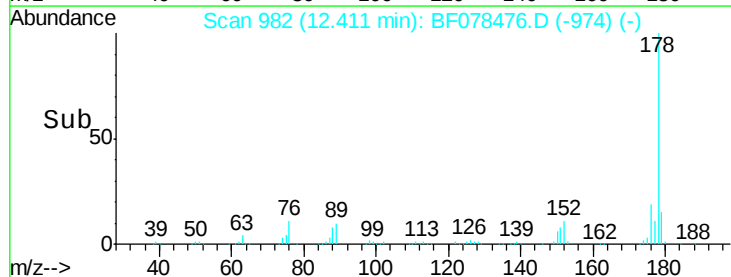
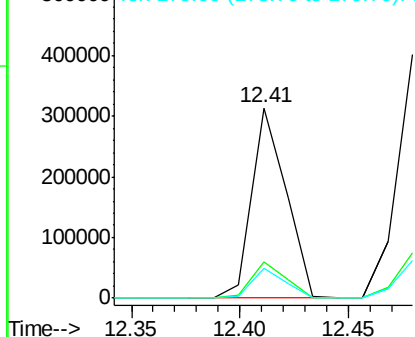


#70
 Phenanthrene
 Concen: 40.47 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:178 Resp: 345347
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 15.4 12.2 18.2



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

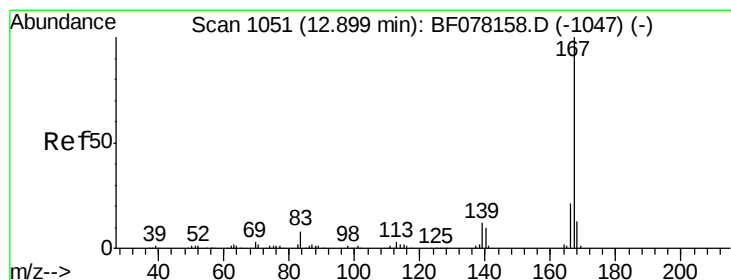
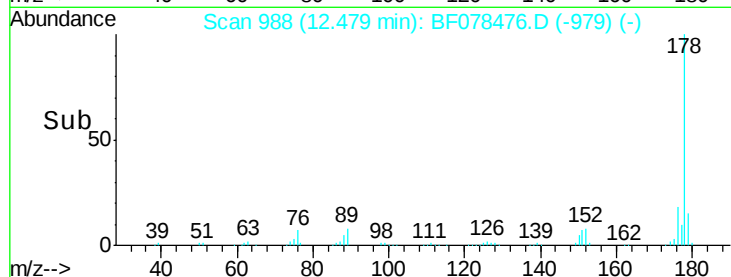
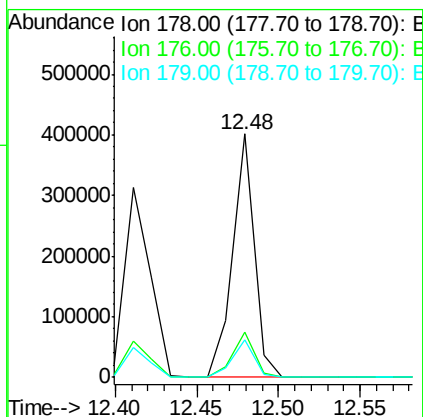
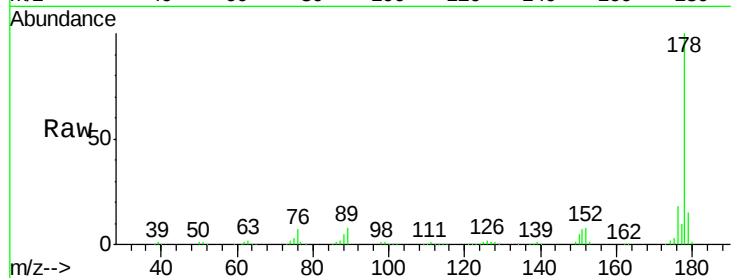




#71
 Anthracene
 Concen: 43.40 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

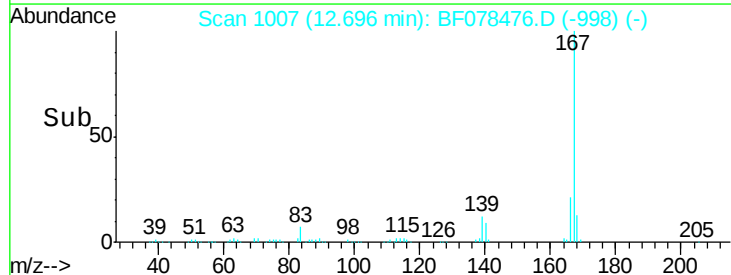
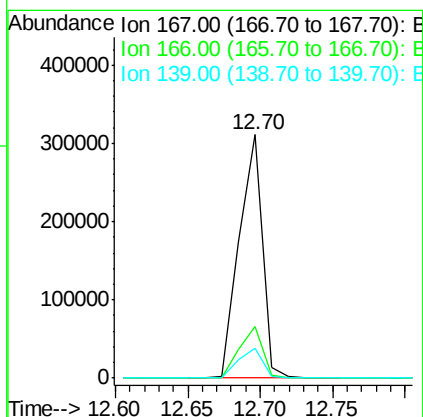
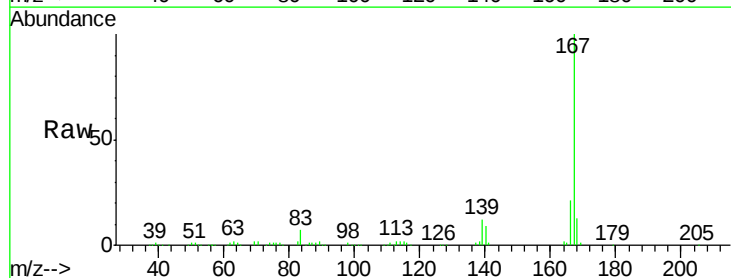
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:178 Resp: 364964
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.3 12.4 18.6



#72
 Carbazole
 Concen: 43.99 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:167 Resp: 346689
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.8 25.2
 139 12.3 10.0 15.0

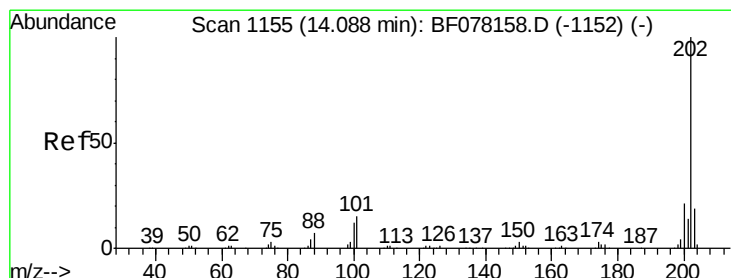
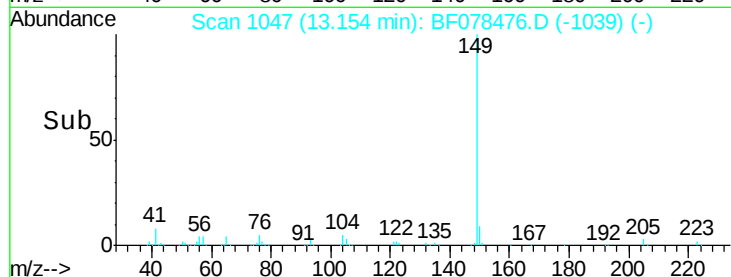
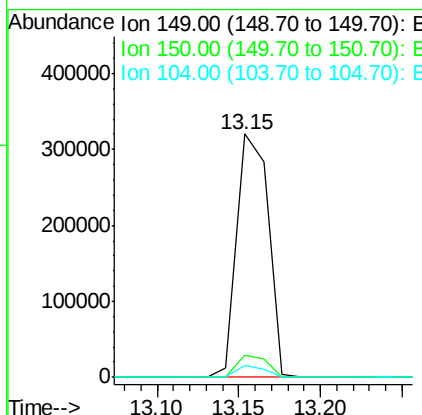
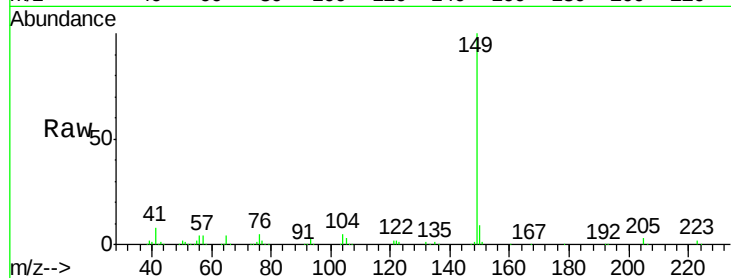




#73
Di-n-butylphthalate
Concen: 47.74 ng
RT: 13.15 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

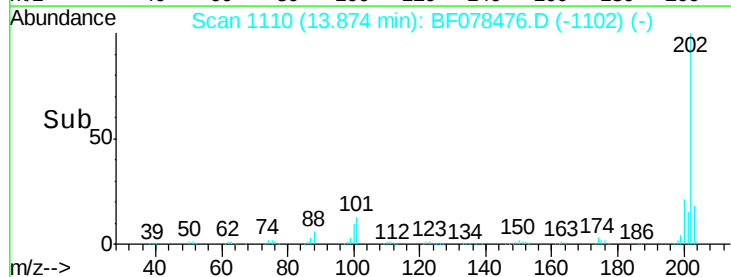
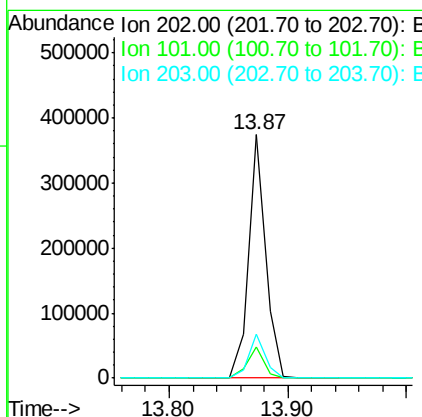
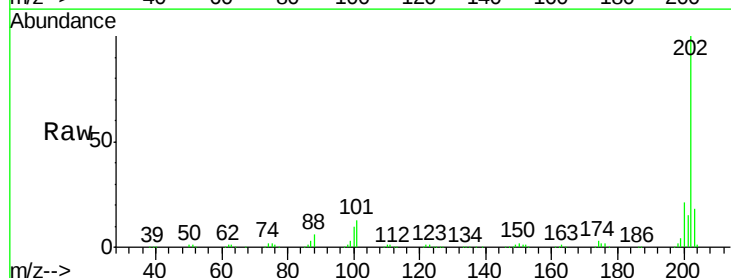
Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

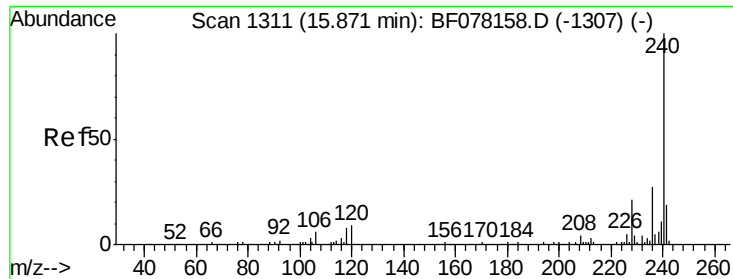
Tgt Ion:149 Resp: 426176
Ion Ratio Lower Upper
149 100
150 9.2 7.1 10.7
104 4.9 3.8 5.6



#74
Fluoranthene
Concen: 41.94 ng
RT: 13.87 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:202 Resp: 377430
Ion Ratio Lower Upper
202 100
101 12.7 0.0 35.2
203 17.9 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

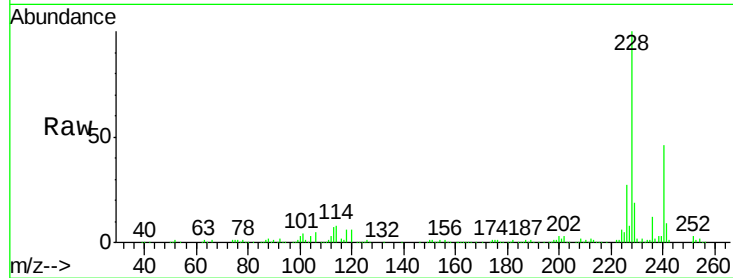
Tgt Ion:240 Resp: 153052

Ion Ratio Lower Upper

240 100

120 14.0 7.1 10.7#

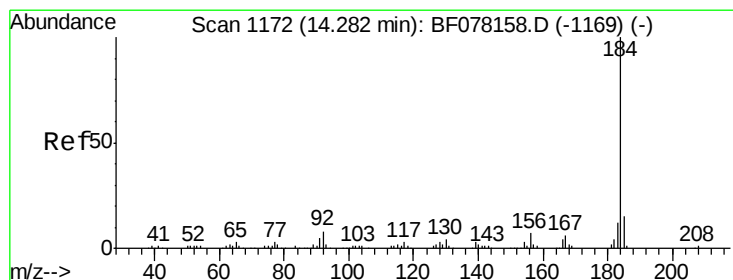
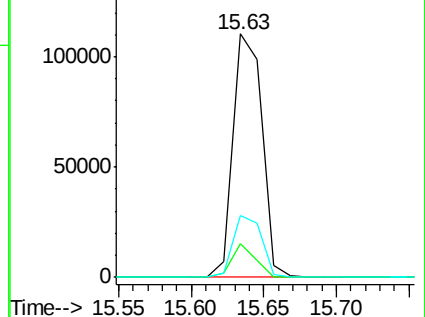
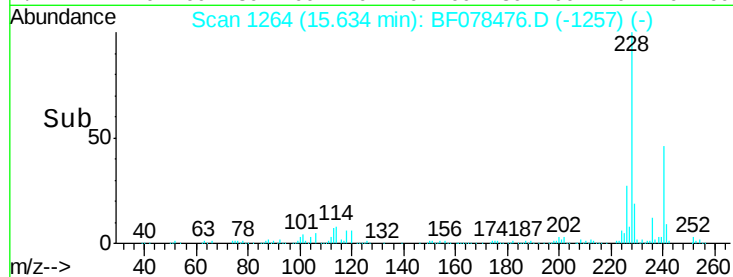
236 25.2 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 25.77 ng

RT: 14.07 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

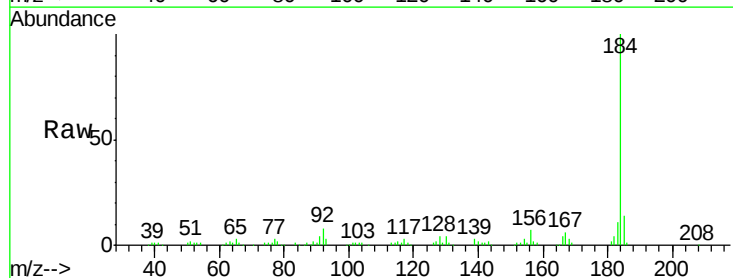
Tgt Ion:184 Resp: 151849

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.2

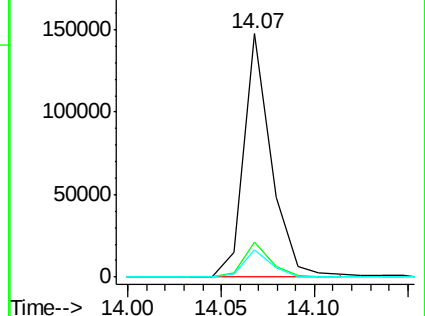
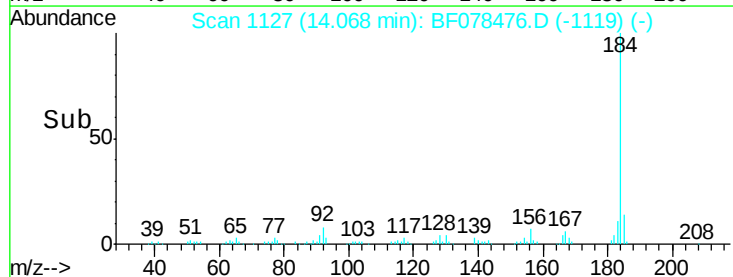
183 11.1 9.5 14.3

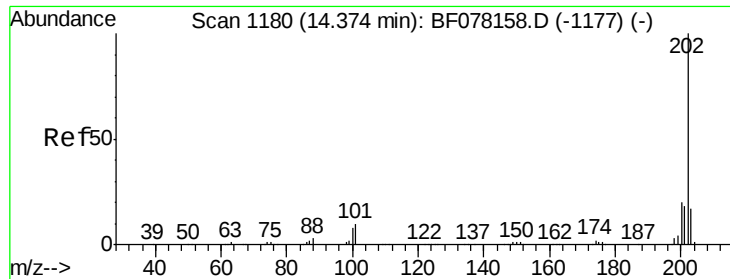


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

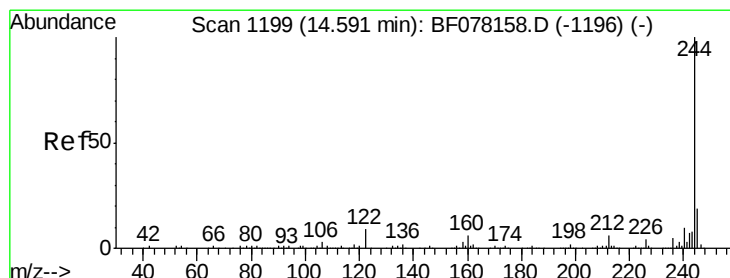
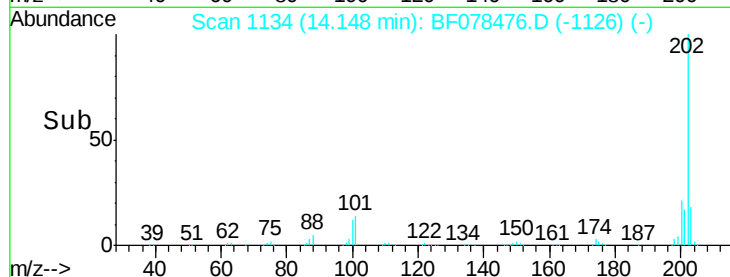
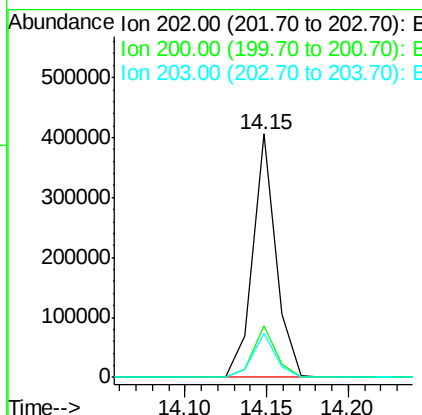
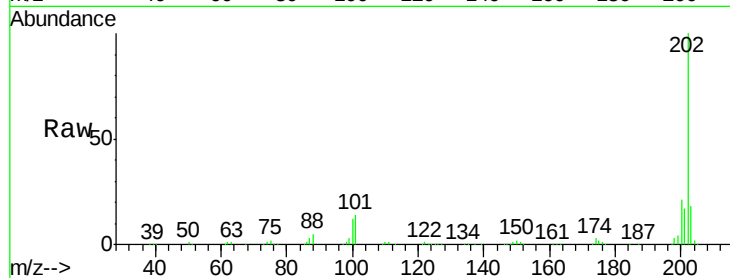




#77
 Pyrene
 Concen: 41.73 ng
 RT: 14.15 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

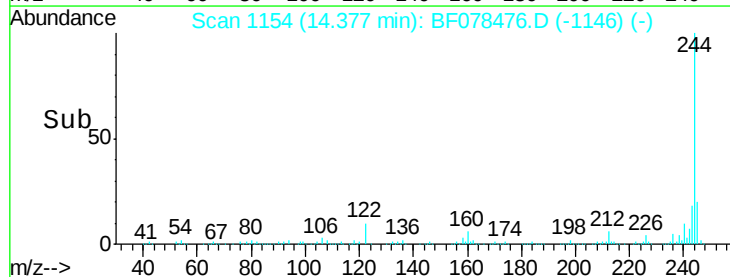
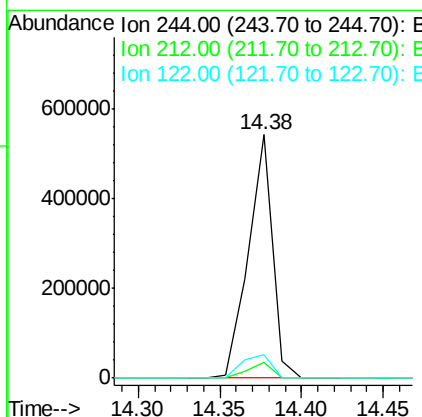
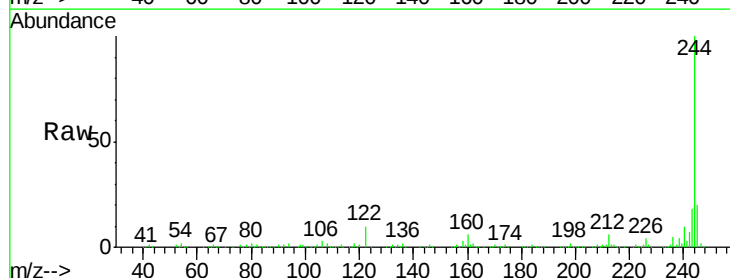
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.3	24.5
203	18.1	13.8	20.6



#78
 Terphenyl-d14
 Concen: 82.24 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.0	7.4
122	9.8	7.1	10.7

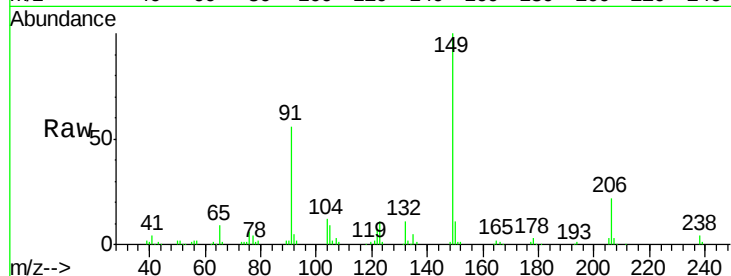




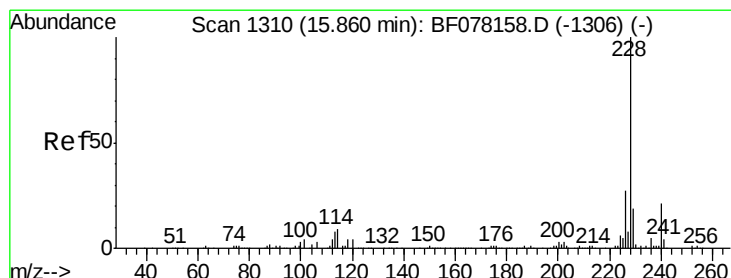
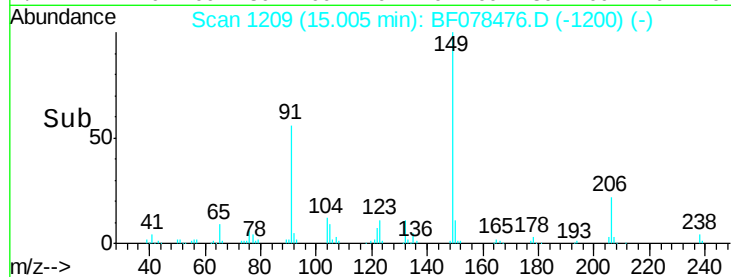
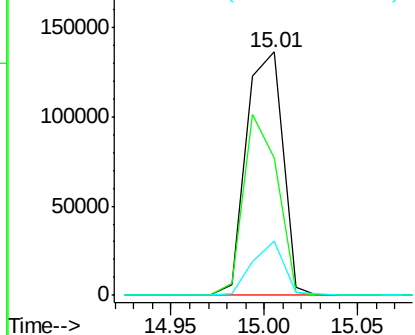
#79
Butylbenzylphthalate
Concen: 50.54 ng
RT: 15.01 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)MSD

Tgt Ion:149 Resp: 185072
Ion Ratio Lower Upper
149 100
91 56.5 64.2 96.2#
206 22.3 12.6 18.8#

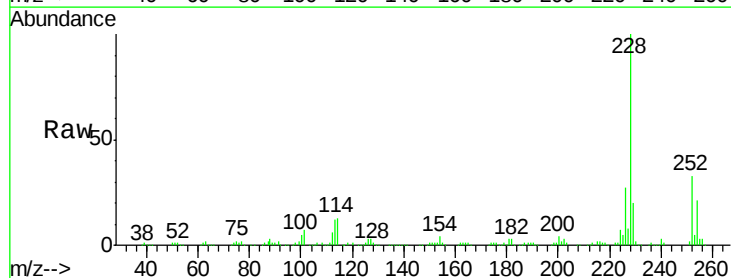


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

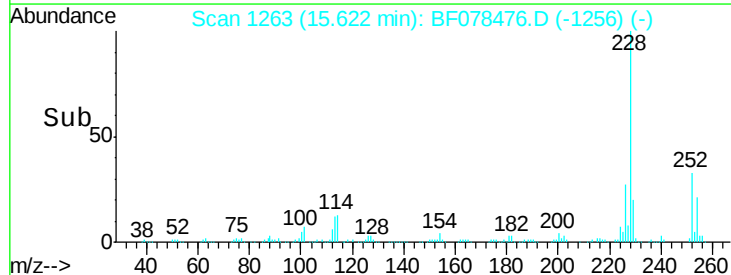
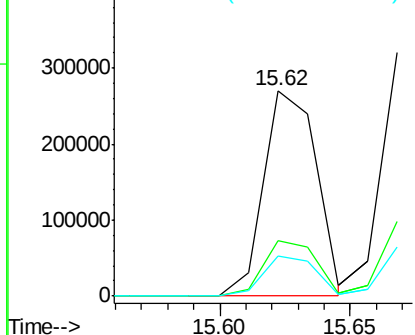


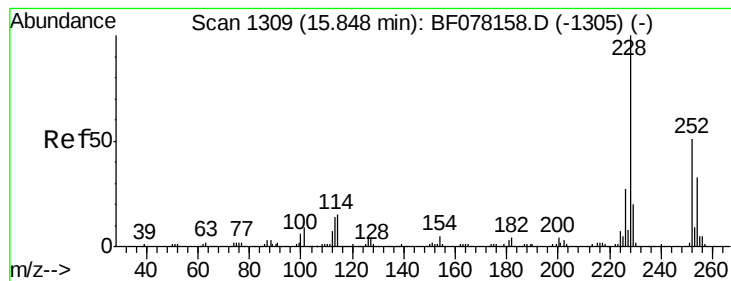
#80
Benzo(a)anthracene
Concen: 41.77 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF078476.D
Acq: 13 Apr 2015 22:52

Tgt Ion:228 Resp: 380377
Ion Ratio Lower Upper
228 100
226 27.1 21.3 31.9
229 19.8 15.4 23.2



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

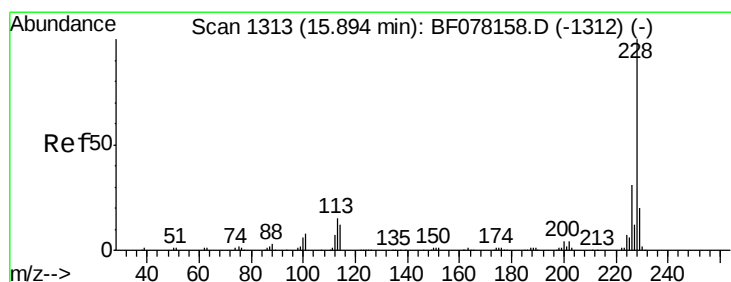
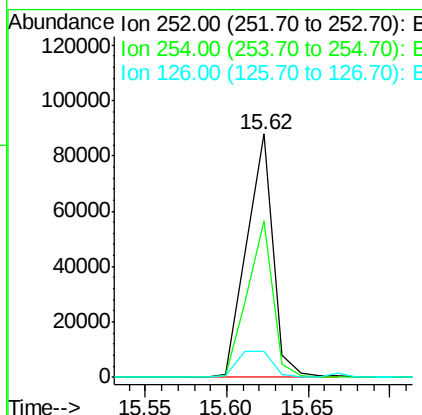
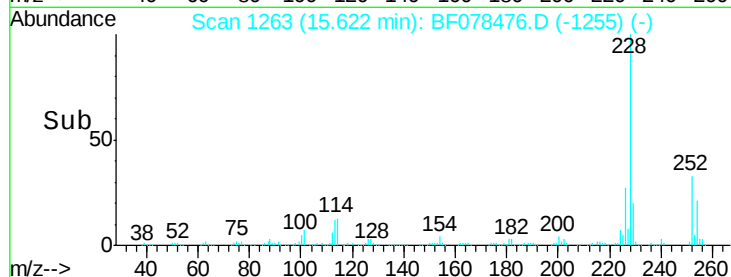
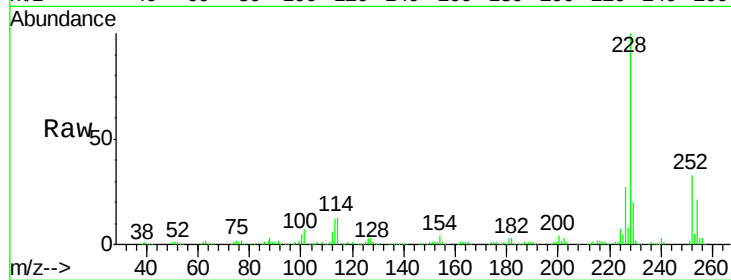




#81
 3,3'-Dichlorobenzidine
 Concen: 32.37 ng
 RT: 15.62 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

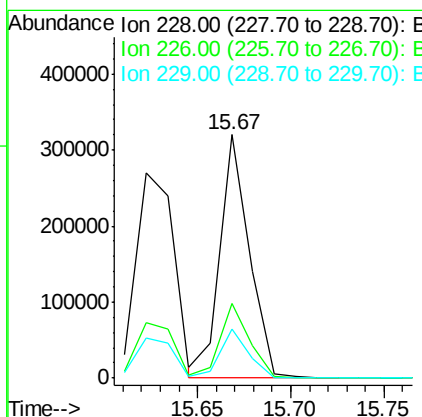
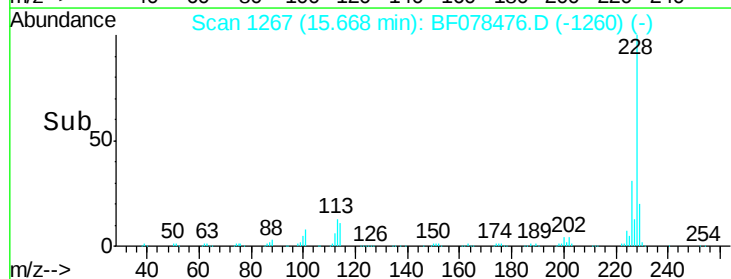
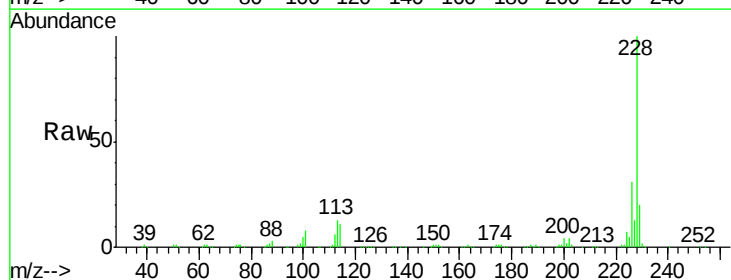
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

Tgt Ion:252 Resp: 98734
 Ion Ratio Lower Upper
 252 100
 254 64.4 51.2 76.8
 126 10.5 6.3 9.5#



#82
 Chrysene
 Concen: 41.00 ng
 RT: 15.67 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:228 Resp: 350818
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.2 36.4
 229 20.4 15.8 23.8

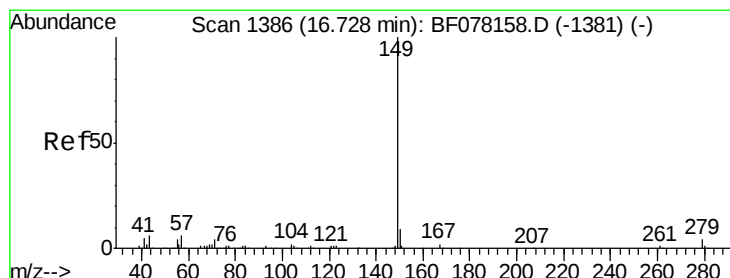
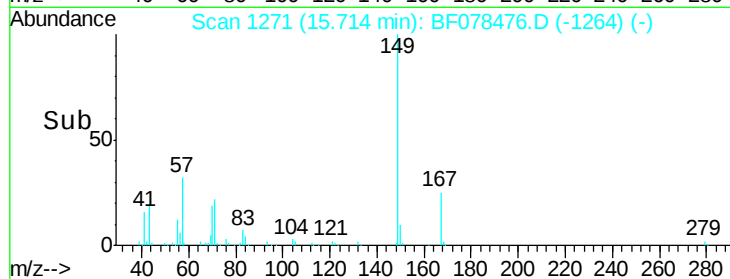
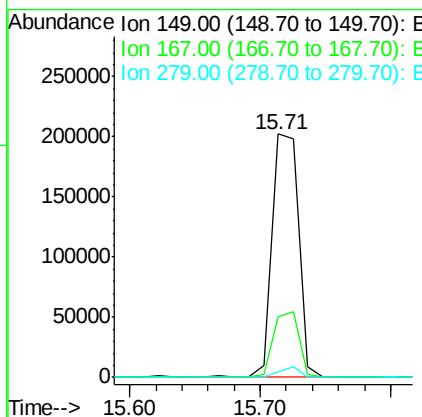
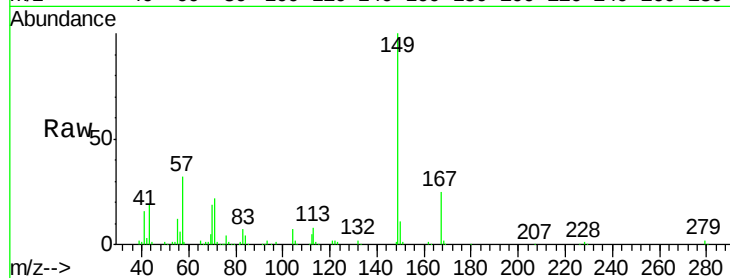




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.29 ng
 RT: 15.71 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

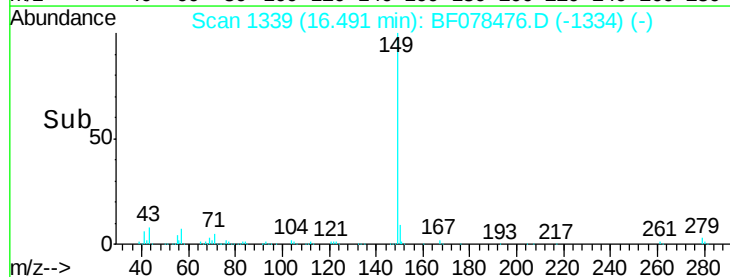
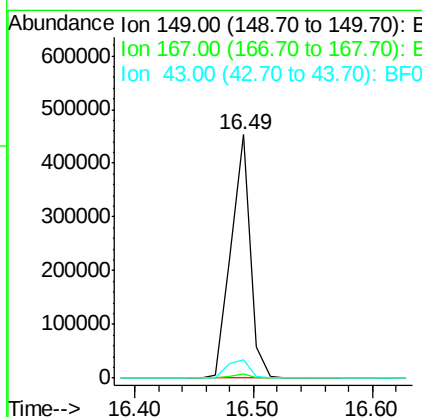
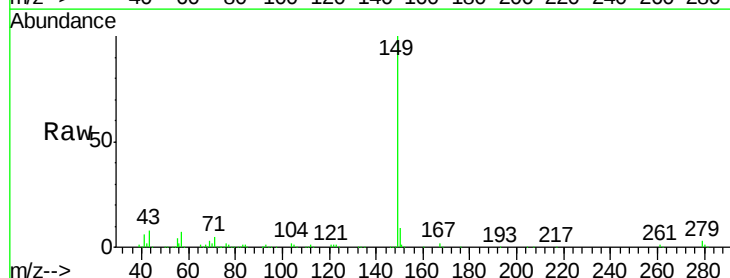
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)MSD

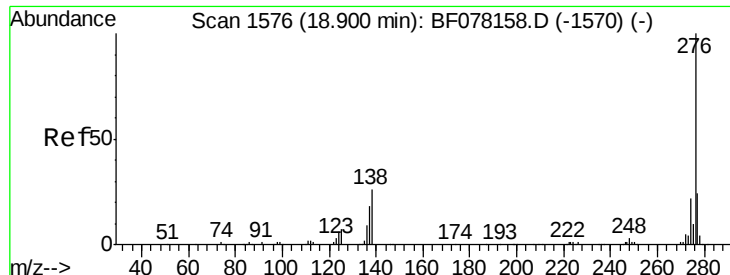
Tgt Ion:149 Resp: 288827
 Ion Ratio Lower Upper
 149 100
 167 25.0 22.2 33.2
 279 2.1 3.2 4.8#



#84
 Di-n-octyl phthalate
 Concen: 53.99 ng
 RT: 16.49 min Scan# 1339
 Delta R.T. -0.05 min
 Lab File: BF078476.D
 Acq: 13 Apr 2015 22:52

Tgt Ion:149 Resp: 509147
 Ion Ratio Lower Upper
 149 100
 167 1.5 0.0 0.0#
 43 9.1 0.0 0.0#





#85

Indeno(1,2,3-cd)pyrene

Concen: 44.52 ng

RT: 18.51 min Scan# 1516

Delta R.T. -0.14 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

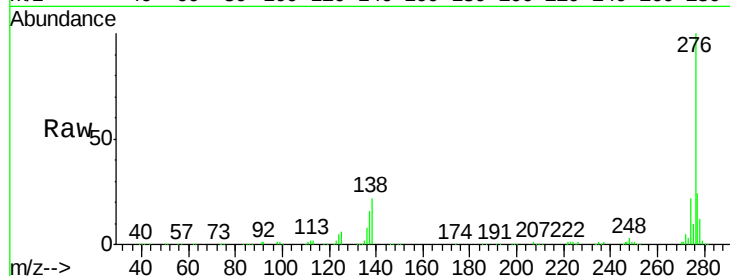
Tgt Ion:276 Resp: 432258

Ion Ratio Lower Upper

276 100

138 28.5 16.9 25.3#

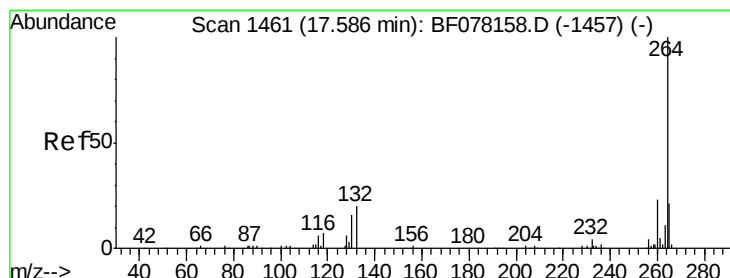
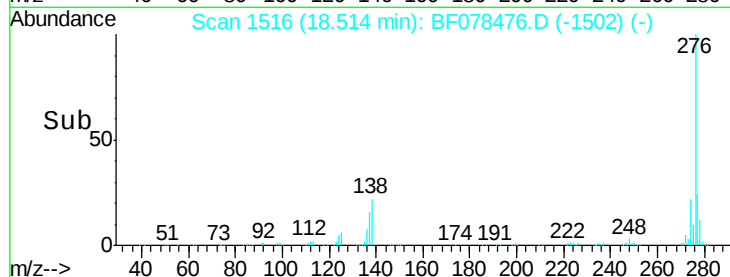
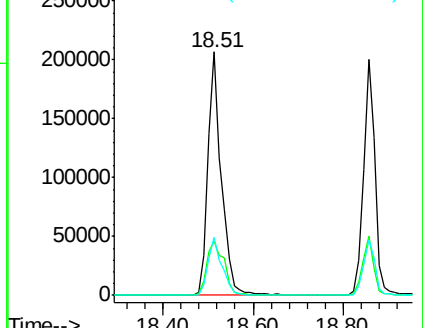
277 25.0 15.8 23.6#



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: 17.30 min Scan# 1410

Delta R.T. -0.09 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

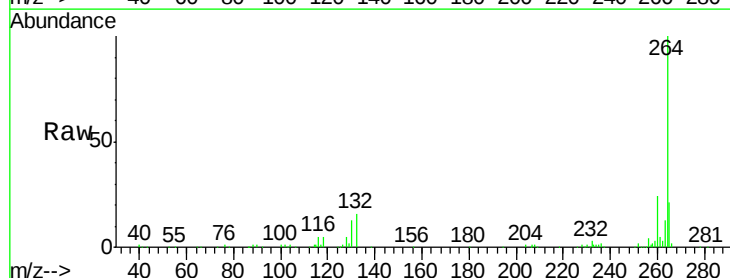
Tgt Ion:264 Resp: 146999

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

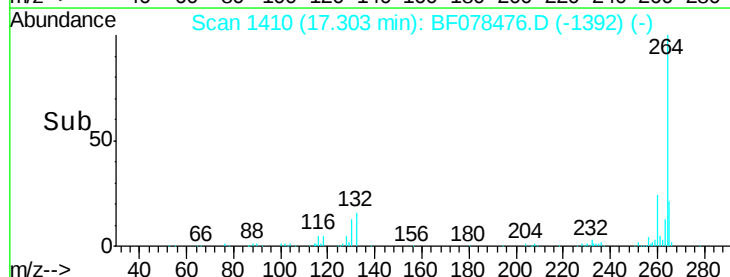
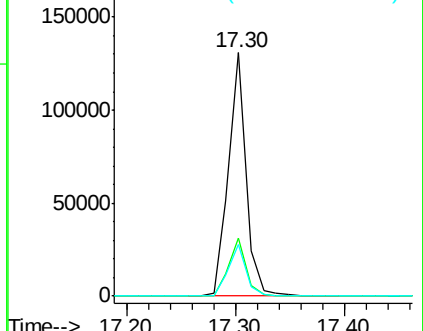
265 21.0 17.0 25.6



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: 50.51 ng

RT: 16.88 min Scan# 1373

Delta R.T. -0.07 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

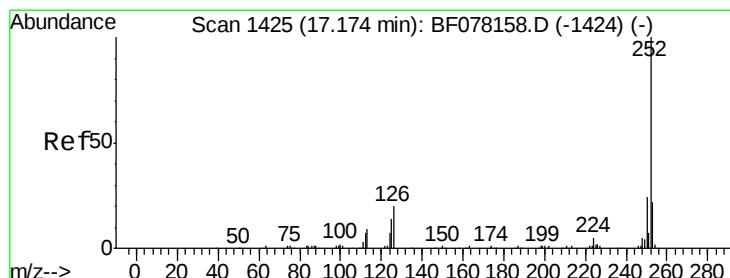
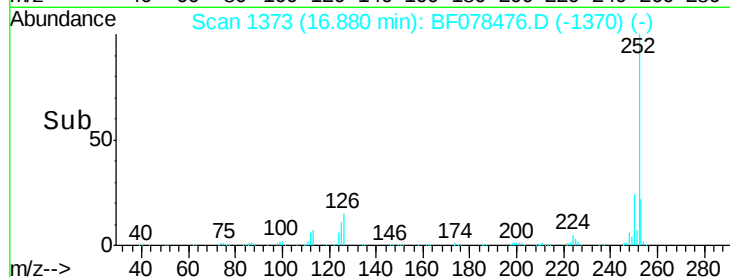
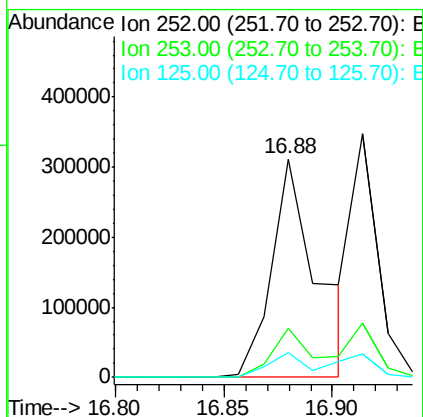
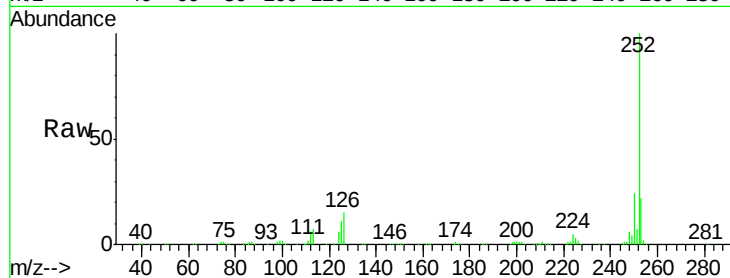
Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

Tgt Ion:	252	Resp:	458882
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.3	7.0	10.4#



#88

Benzo(k)fluoranthene

Concen: 56.84 ng

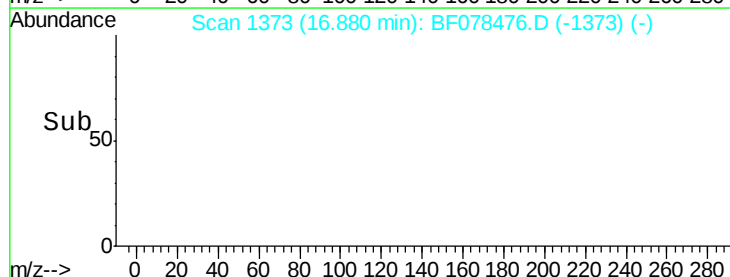
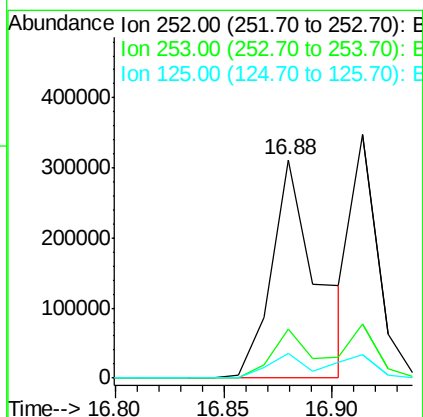
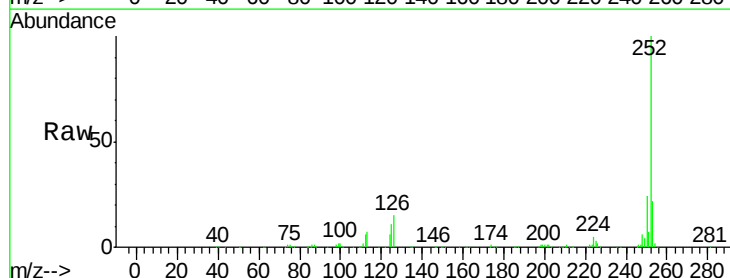
RT: 16.88 min Scan# 1373

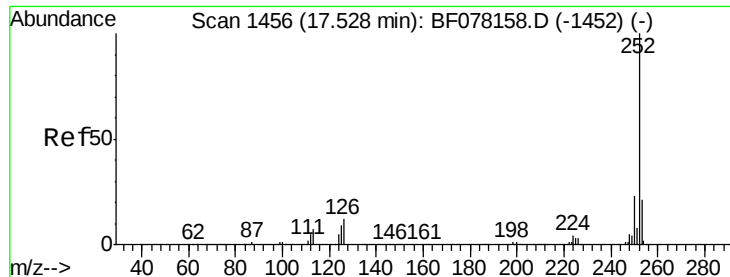
Delta R.T. -0.10 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Tgt Ion:	252	Resp:	458882
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.3	11.6	17.4#





#89

Benzo(a)pyrene

Concen: 45.65 ng

RT: 17.25 min Scan# 1405

Delta R.T. -0.08 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD

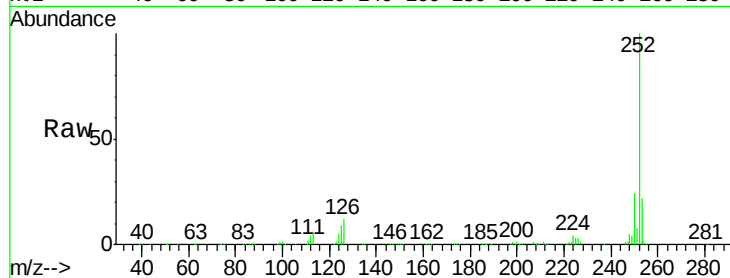
Tgt Ion: 252 Resp: 361981

Ion Ratio Lower Upper

252 100

253 22.0 16.8 25.2

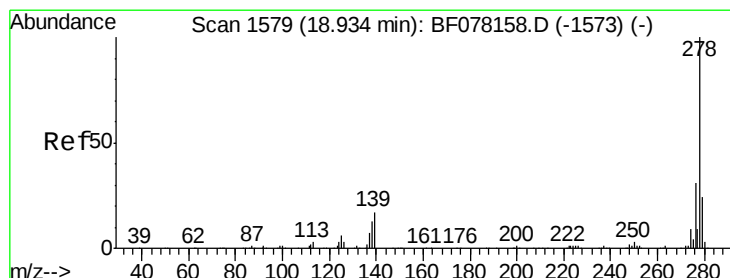
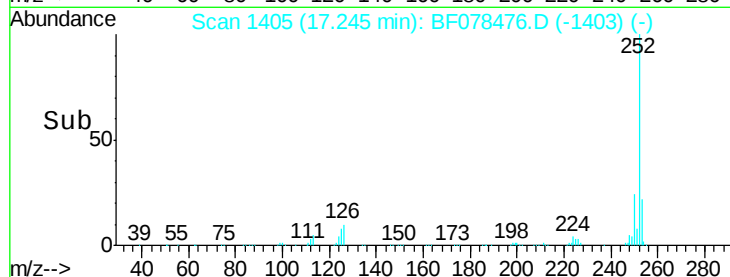
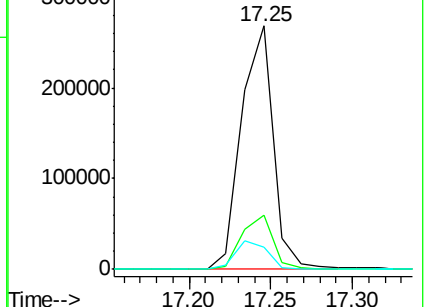
125 9.0 7.4 11.0



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: 42.77 ng

RT: 18.54 min Scan# 1518

Delta R.T. -0.14 min

Lab File: BF078476.D

Acq: 13 Apr 2015 22:52

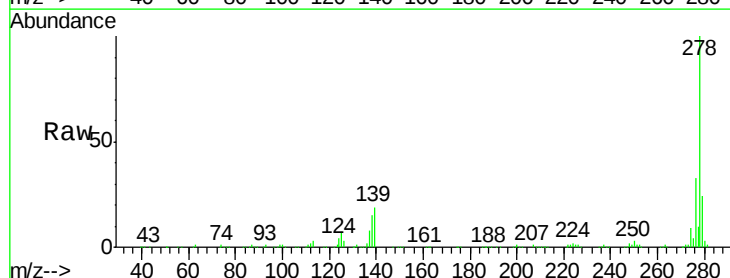
Tgt Ion: 278 Resp: 339543

Ion Ratio Lower Upper

278 100

139 18.7 13.6 20.4

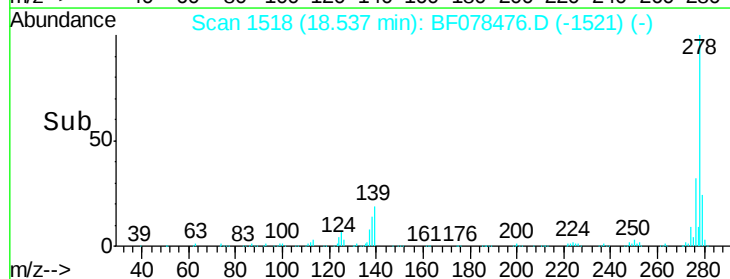
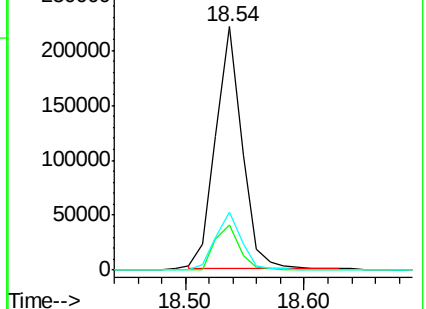
279 24.1 19.0 28.6

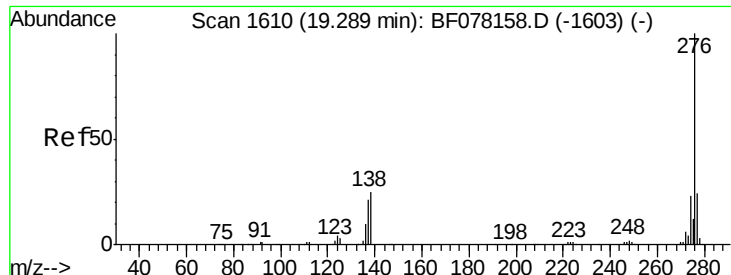


Abundance Ion 278.00 (277.70 to 278.70): E

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: 43.19 ng

RT: 18.86 min Scan# 1546

Delta R.T. -0.14 min

Lab File: BF078476.D

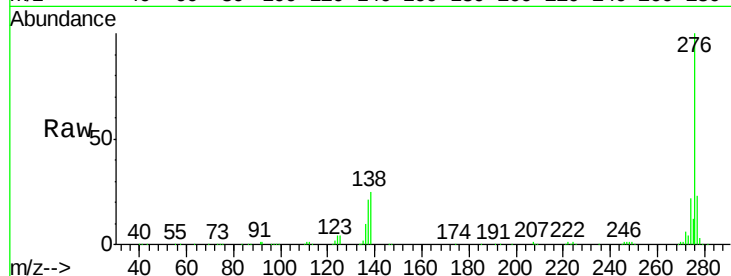
Acq: 13 Apr 2015 22:52

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)MSD



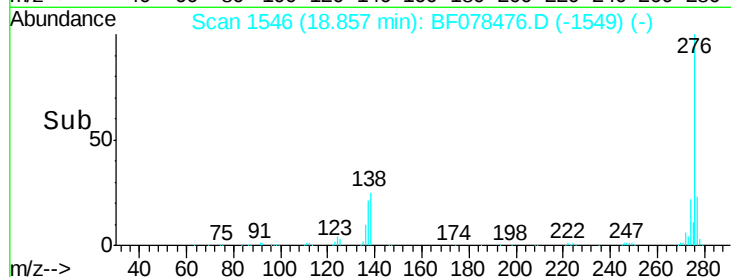
Tgt Ion: 276 Resp: 343770

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 24.9 19.9 29.9



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

