

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083639.D
 Acq On : 9 Dec 2015 14:49
 Operator : UM/IZ
 Sample : G4561-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Quant Time: Dec 10 00:33:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.69	152	88331	20.00	ng	-0.01
21) Naphthalene-d8	7.62	136	192328	20.00	ng	0.01
38) Acenaphthene-d10	10.34	164	22047	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	8002	20.00	ng	-0.01
75) Chrysene-d12	17.01	240	274247	20.00	ng	0.02
86) Perylene-d12	18.65	264	274472	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	3.95	112	565981	97.18	ng	-0.02
7) Phenol-d6	5.25	99	1129557	145.16	ng	-0.02
23) Nitrobenzene-d5	6.52	82	318224	77.21	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.49	172	553412	353.28	ng	0.15
78) Terphenyl-d14	15.47	244	626047	53.71	ng	0.06

Target Compounds

						Qvalue
10) Phenol	5.28	94	20799	2.21	ng	# 13
14) 1,2-Dichlorobenzene	5.71	146	14404	2.13	ng	# 1
15) Benzyl Alcohol	5.94	79	30509	5.51	ng	# 52
18) Hexachloroethane	6.51	117	657077	255.52	ng	# 13
19) n-Nitroso-di-n-propylamine	6.30	70	47487	8.74	ng	# 73
22) Acetophenone	6.19	105	445213	82.53	ng	# 76
24) Nitrobenzene	6.66	77	45419	9.97	ng	# 52
25) Isophorone	6.86	82	336750	42.10	ng	# 1
26) 2-Nitrophenol	6.98	139	37459	20.71	ng	# 1
27) 2,4-Dimethylphenol	7.06	122	60326	19.06	ng	# 1
28) bis(2-Chloroethoxy)methane	7.29	93	10451	2.35	ng	# 1
29) 2,4-Dichlorophenol	7.64	162	457816	159.09	ng	# 5
31) Naphthalene	7.73	128	631631	62.01	ng	# 1
32) Benzoic acid	7.48	122	7830	6.65	ng	# 1
33) 4-Chloroaniline	7.76	127	232878	62.70	ng	# 1
35) Caprolactam	8.56	113	1065193	1233.25	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	23133	7.16	ng	# 45
37) 2-Methylnaphthalene	8.83	142	112794	17.63	ng	# 1
42) 2,4,6-Trichlorophenol	9.14	196	9854	22.42	ng	# 16
43) 2,4,5-Trichlorophenol	9.32	196	1931	4.53	ng	# 1
46) 2-Chloronaphthalene	9.28	162	34179	23.62	ng	# 1
47) 2-Nitroaniline	9.69	65	69146	132.52	ng	# 61
48) Acenaphthylene	9.98	152	288606	120.98	ng	# 1
49) Dimethylphthalate	9.90	163	76885	43.81	ng	# 22
50) 2,6-Dinitrotoluene	10.13	165	113693	313.78	ng	# 73
51) Acenaphthene	10.29	154	69553	50.92	ng	# 1
52) 3-Nitroaniline	10.51	138	206186	535.41	ng	# 47
53) 2,4-Dinitrophenol	10.62	184	6093	37.20	ng	# 1
54) Dibenzofuran	10.64	168	121243	64.01	ng	# 1
55) 4-Nitrophenol	10.83	139	545386	3216.73	ng	# 10
56) 2,4-Dinitrotoluene	10.74	165	31998	66.59	ng	# 67
57) Fluorene	11.06	166	8422	5.10	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.89	232	4234	13.01	ng	# 100
59) Diethylphthalate	11.10	149	17112	10.03	ng	# 1

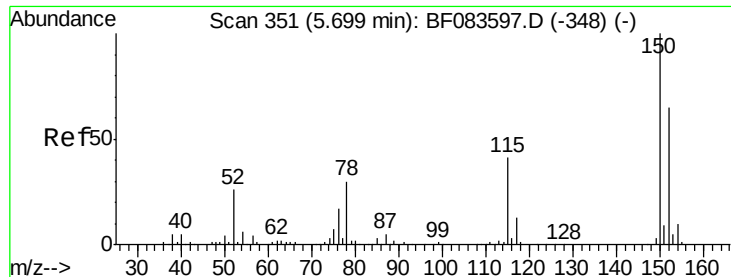
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	11.24	204	245268	311.68	ng	# 1
61) 4-Nitroaniline	11.36	138	35165	100.51	ng	# 59
62) Azobenzene	11.65	77	157484	83.86	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.48	198	57315	1010.60	ng	# 1
65) n-Nitrosodiphenylamine	11.52	169	720059	2726.53	ng	# 58
66) 4-Bromophenyl-phenylether	12.09	248	1439	16.12	ng	# 1
68) Atrazine	12.44	200	12599	160.34	ng	# 1
69) Pentachlorophenol	12.49	266	14721	519.72	ng	# 45
70) Phenanthrene	12.81	178	170224	370.25	ng	# 1
71) Anthracene	12.81	178	170224	357.41	ng	# 1
72) Carbazole	13.08	167	575161	1408.23	ng	# 16
73) Di-n-butylphthalate	13.83	149	15253	29.69	ng	# 1
74) Fluoranthene	14.87	202	196348	417.47	ng	# 66
76) Benzidine	15.04	184	20899	2.45	ng	# 1
80) Benzo(a)anthracene	17.00	228	100854	6.28	ng	# 68
82) Chrysene	17.05	228	86665	5.39	ng	# 51
83) Bis(2-ethylhexyl)phthalate	17.09	149	56254	4.62	ng	# 88
85) Indeno(1,2,3-cd)pyrene	19.93	276	54555	5.02	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	143957	9.21	ng	# 62
88) Benzo(k)fluoranthene	18.27	252	143957	8.36	ng	# 63
89) Benzo(a)pyrene	18.60	252	60500	3.97	ng	# 50
91) Benzo(g,h,i)perylene	20.29	276	50091	4.41	ng	# 88

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

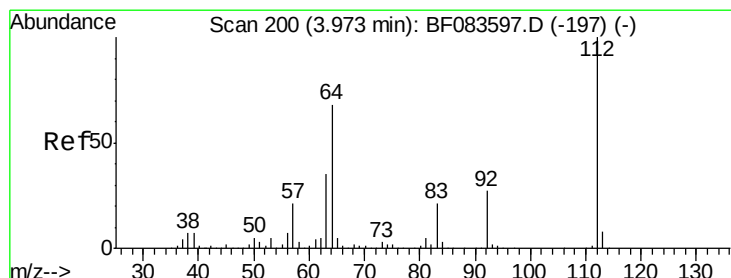
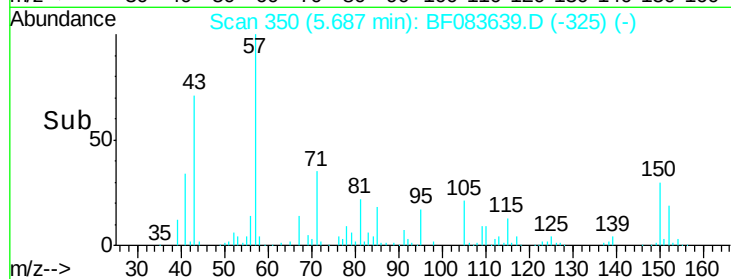
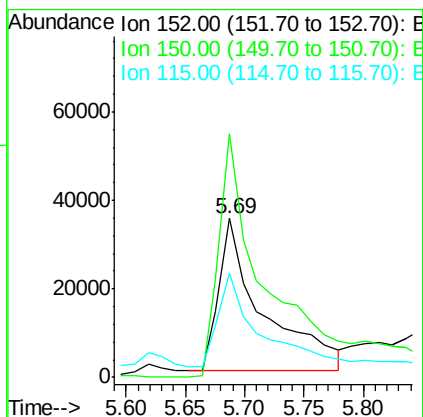
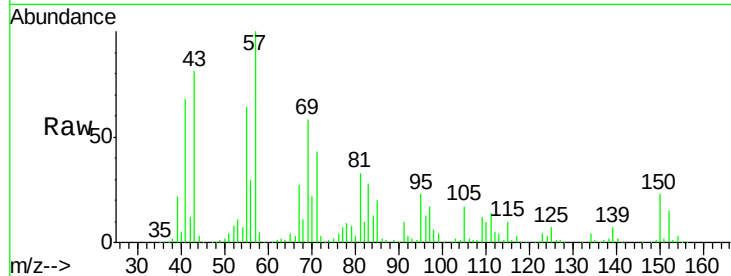


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.69 min Scan# 350
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

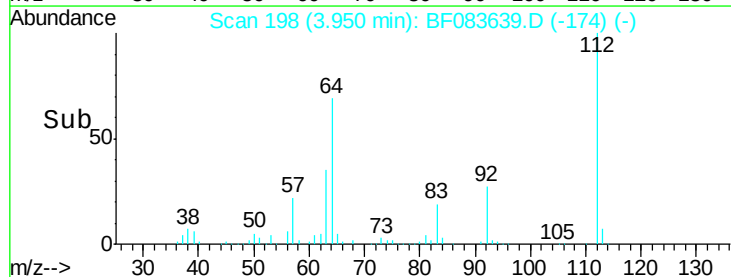
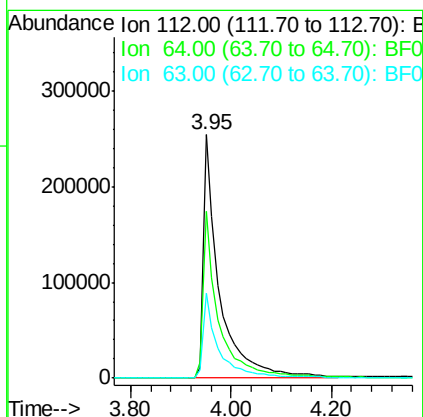
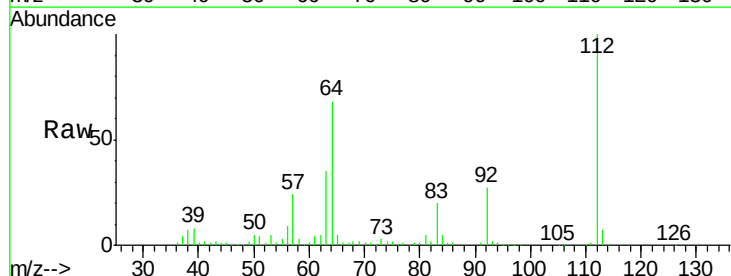
Tgt Ion:152 Resp: 88331
Ion Ratio Lower Upper
152 100
150 153.5 126.5 189.7
115 65.5 52.3 78.5

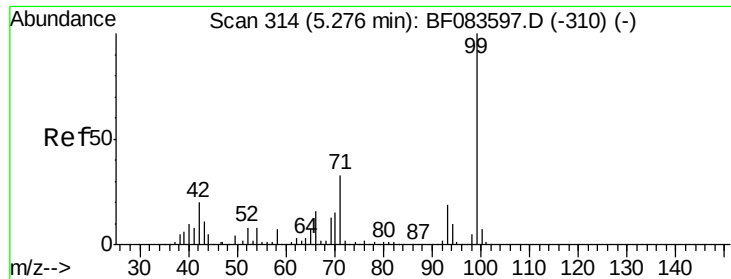


#5

2-Fluorophenol
Concen: 97.18 ng
RT: 3.95 min Scan# 198
Delta R.T. -0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:112 Resp: 565981
Ion Ratio Lower Upper
112 100
64 68.3 50.5 75.7
63 34.6 25.8 38.6





#7

Phenol-d6

Concen: 145.16 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

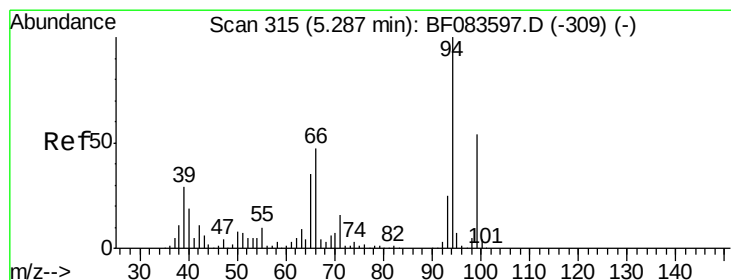
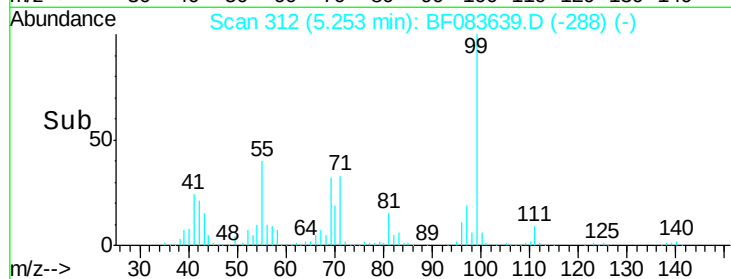
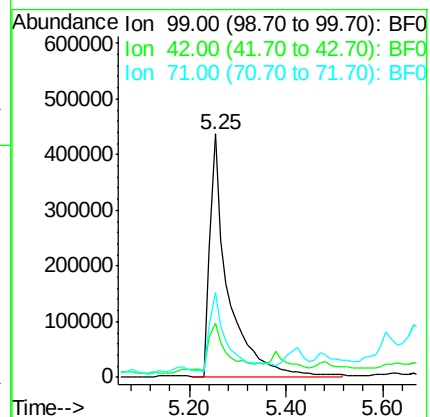
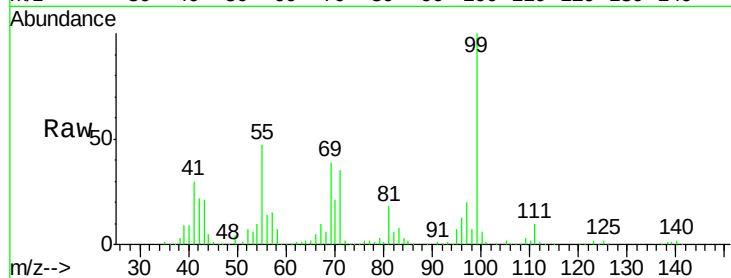
Tgt Ion: 99 Resp: 1129557

Ion Ratio Lower Upper

99 100

42 22.3 17.3 25.9

71 35.1 26.6 40.0



#10

Phenol

Concen: 2.21 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

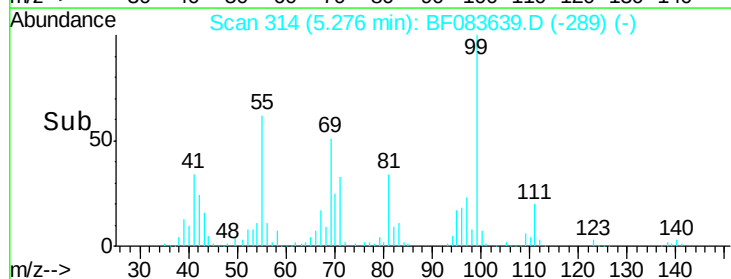
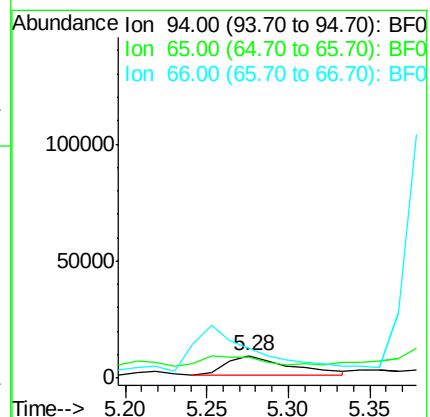
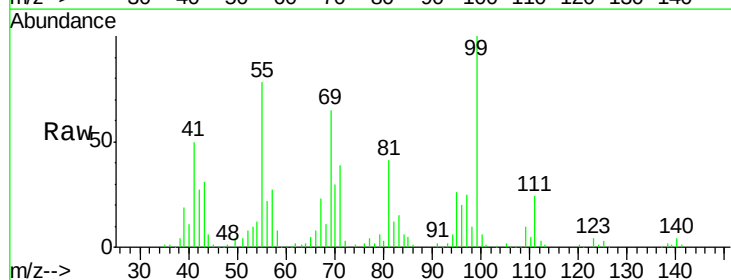
Tgt Ion: 94 Resp: 20799

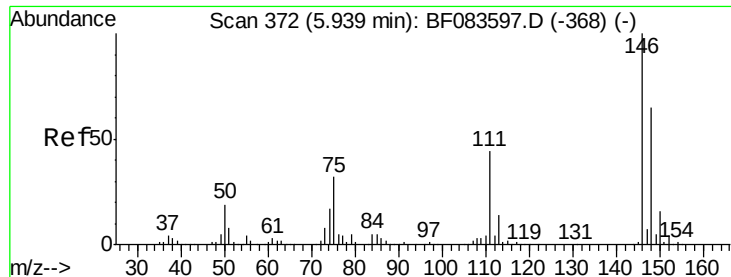
Ion Ratio Lower Upper

94 100

65 91.9 20.9 60.9#

66 131.5 41.6 81.6#

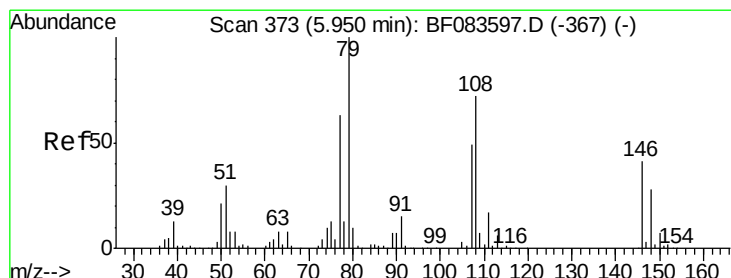
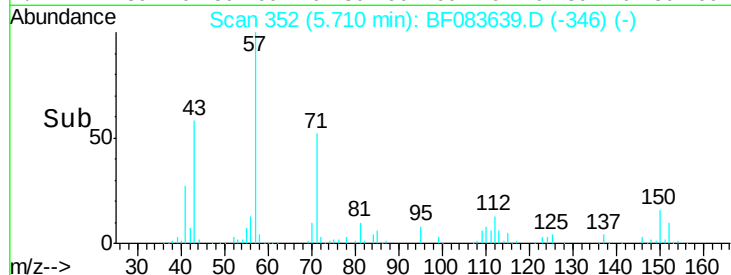
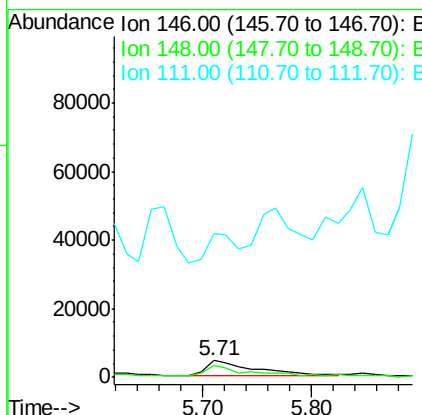
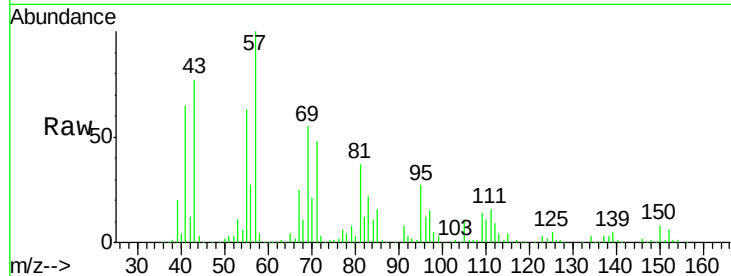




#14
 1,2-Dichlorobenzene
 Concen: 2.13 ng
 RT: 5.71 min Scan# 352
 Delta R.T. -0.23 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

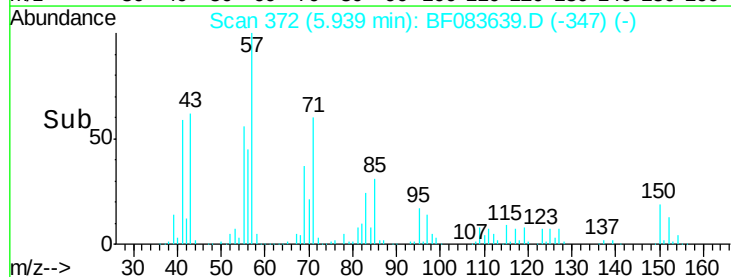
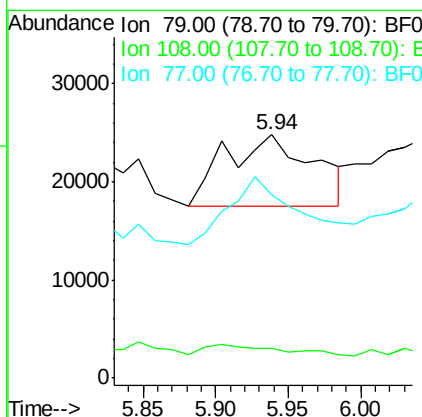
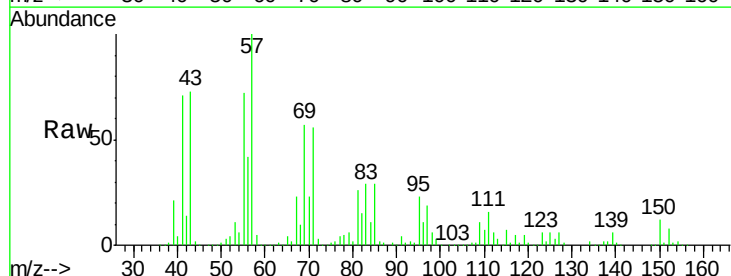
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

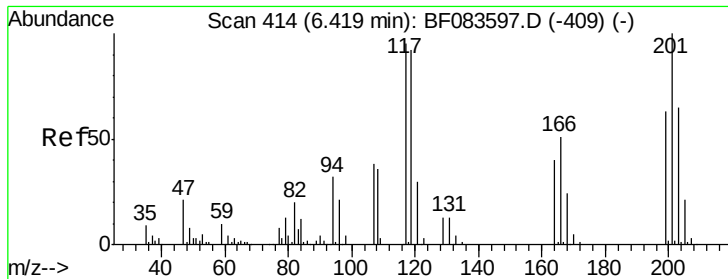
Tgt Ion: 146 Resp: 14404
 Ion Ratio Lower Upper
 146 100
 148 72.8 51.4 77.0
 111 853.2 36.7 55.1#



#15
 Benzyl Alcohol
 Concen: 5.51 ng
 RT: 5.94 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion: 79 Resp: 30509
 Ion Ratio Lower Upper
 79 100
 108 12.2 59.6 89.4#
 77 75.1 49.8 74.6#

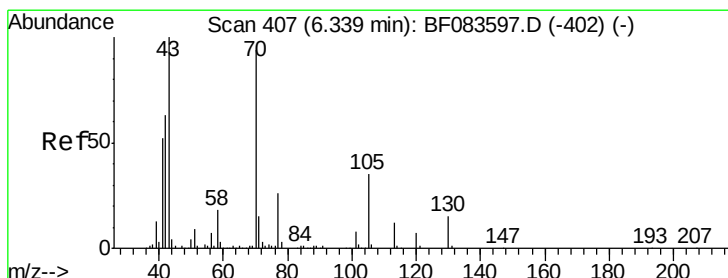
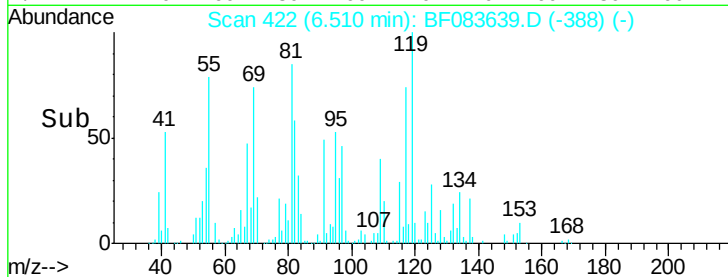
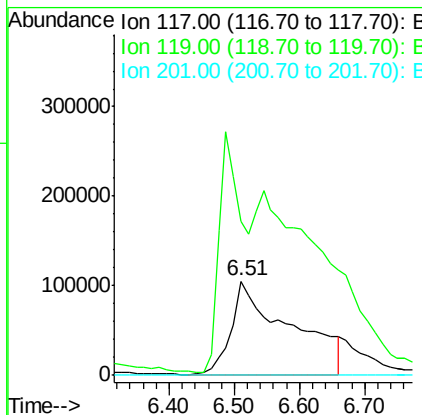
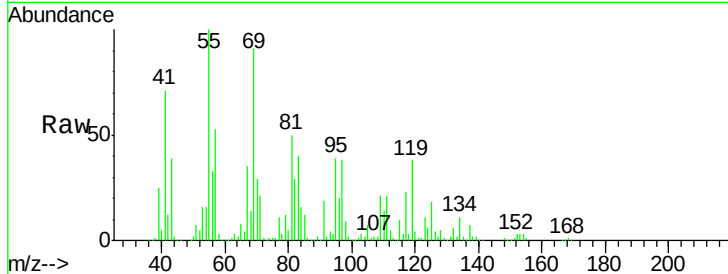




#18
Hexachloroethane
Concen: 255.52 ng
RT: 6.51 min Scan# 422
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

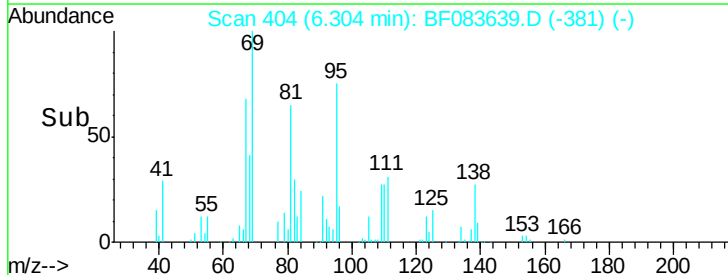
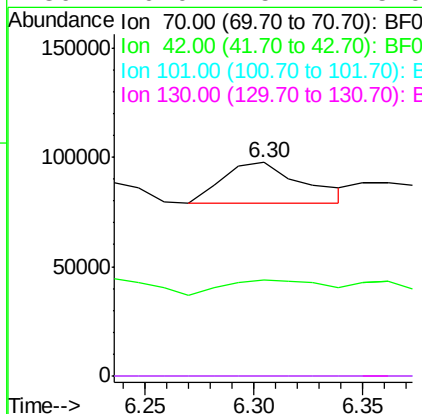
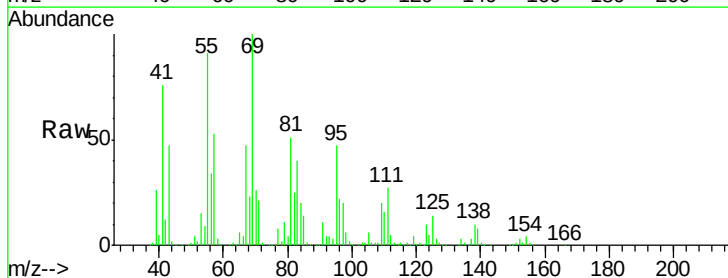
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

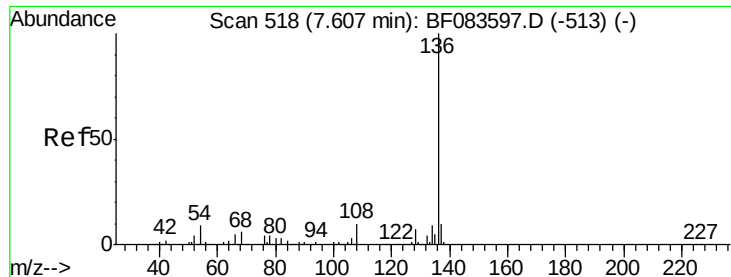
Tgt Ion: 117 Resp: 657077
Ion Ratio Lower Upper
117 100
119 163.8 77.2 115.8#
201 0.0 86.8 130.2#



#19
n-Nitroso-di-n-propylamine
Concen: 8.74 ng
RT: 6.30 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 70 Resp: 47487
Ion Ratio Lower Upper
70 100
42 44.8 49.2 73.8#
101 0.0 7.1 10.7#
130 0.0 15.4 23.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

Tgt Ion:136 Resp: 192328

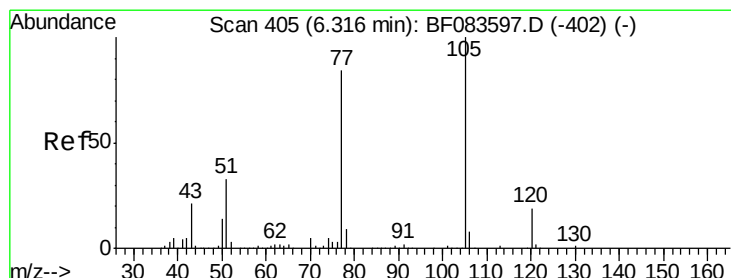
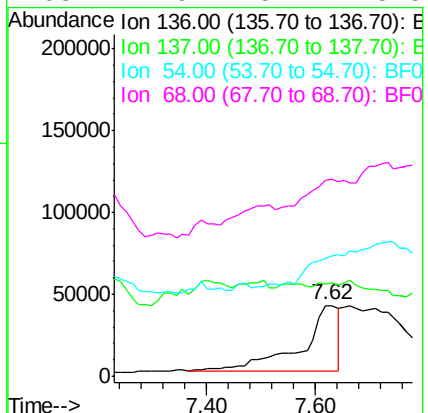
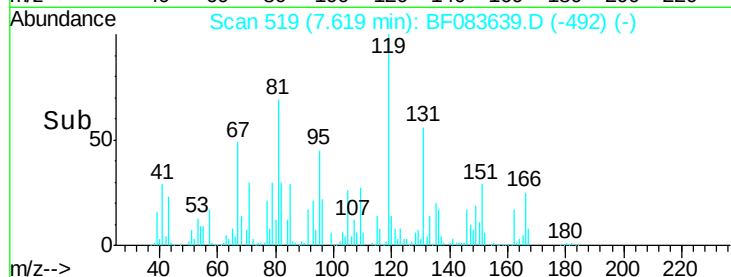
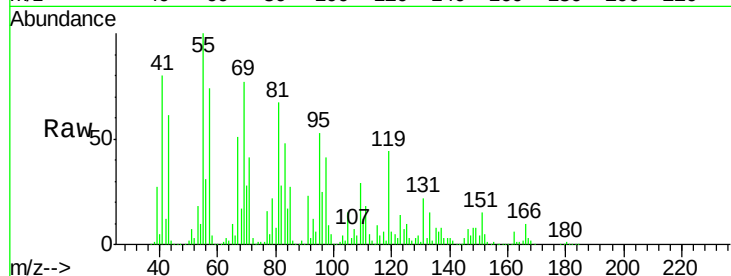
Ion Ratio Lower Upper

136 100

137 129.0 8.7 13.1#

54 166.6 7.8 11.6#

68 274.9 5.7 8.5#



#22

Acetophenone

Concen: 82.53 ng

RT: 6.19 min Scan# 394

Delta R.T. -0.13 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Tgt Ion:105 Resp: 445213

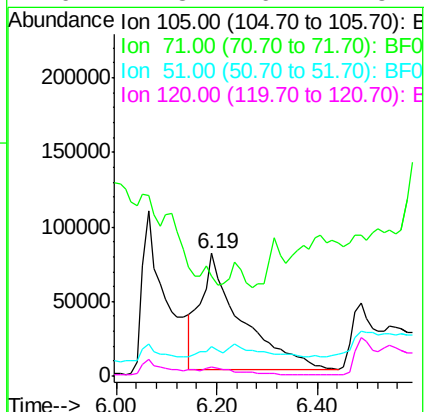
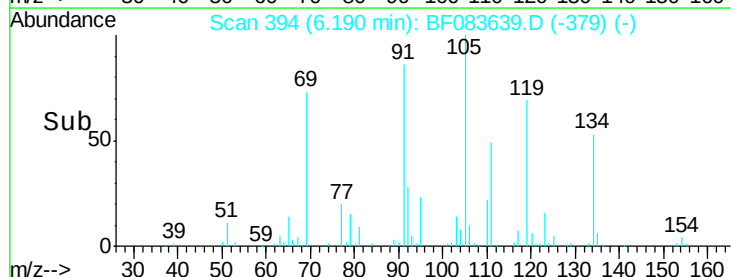
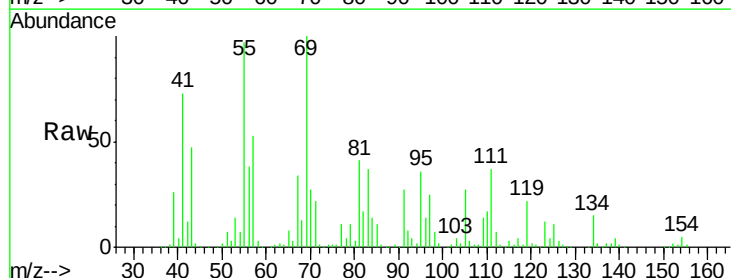
Ion Ratio Lower Upper

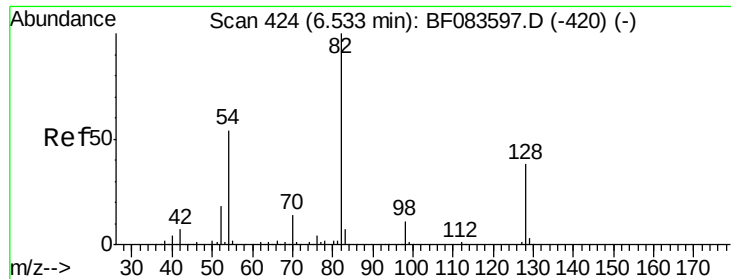
105 100

71 81.4 1.3 1.9#

51 24.2 23.8 35.8

120 7.8 16.7 25.1#

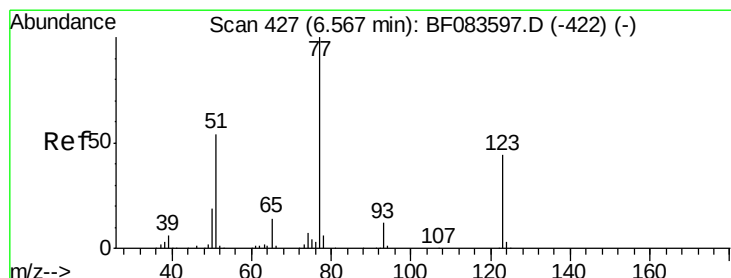
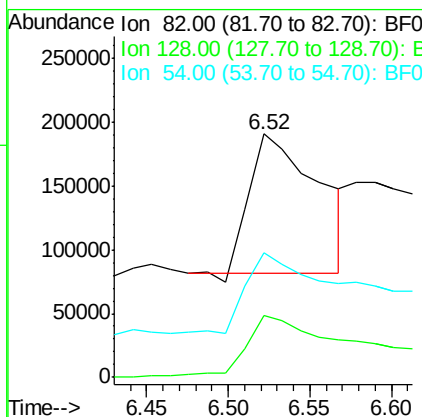
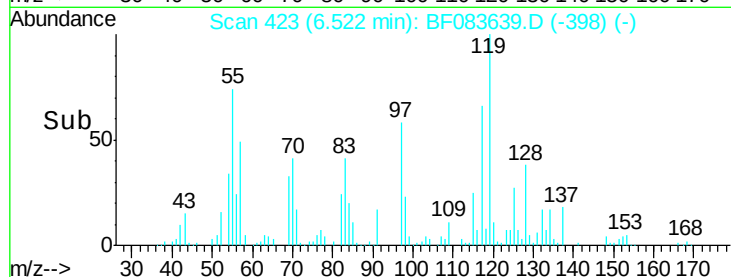
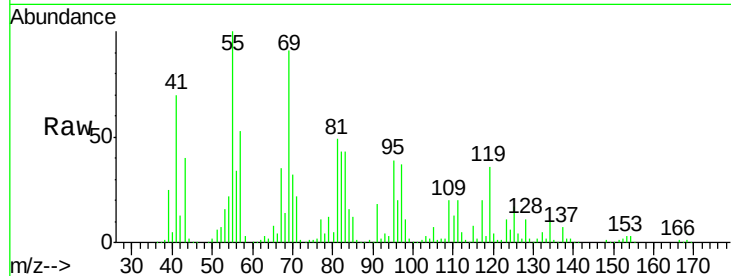




#23
Nitrobenzene-d5
Concen: 77.21 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

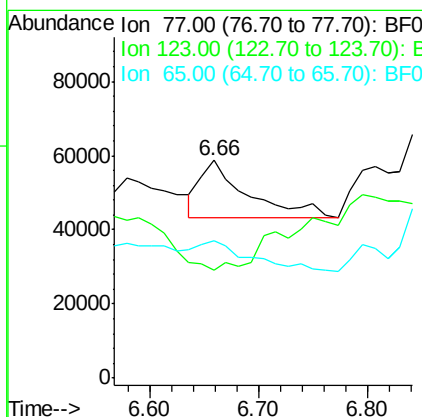
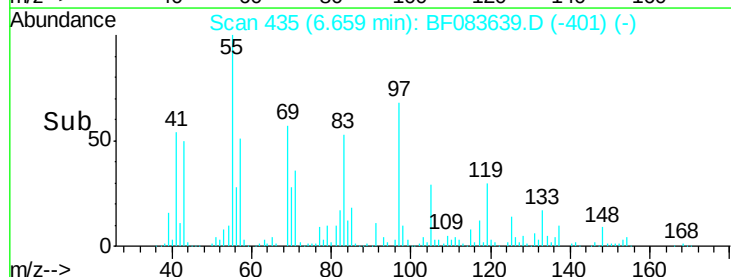
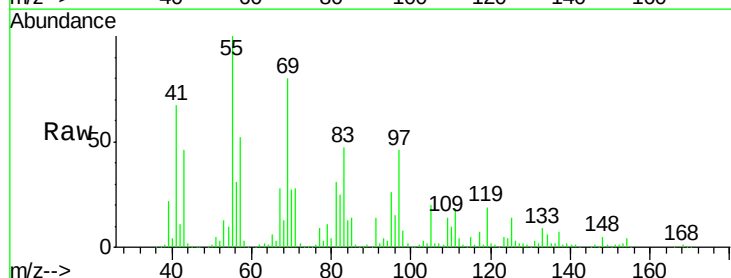
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

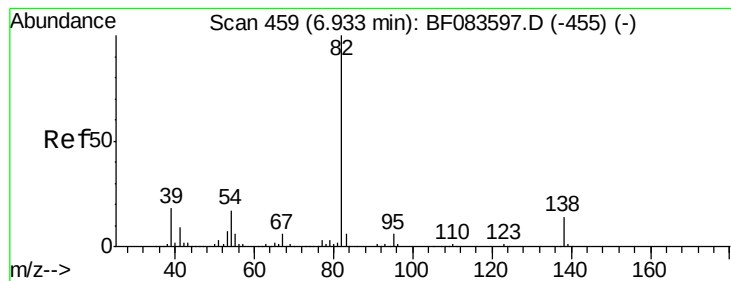
Tgt Ion: 82 Resp: 318224
Ion Ratio Lower Upper
82 100
128 25.5 30.7 46.1#
54 51.0 42.5 63.7



#24
Nitrobenzene
Concen: 9.97 ng
RT: 6.66 min Scan# 435
Delta R.T. 0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 77 Resp: 45419
Ion Ratio Lower Upper
77 100
123 49.5 29.8 44.6#
65 63.0 11.1 16.7#





#25

Isophorone

Concen: 42.10 ng

RT: 6.86 min Scan# 453

Delta R.T. -0.07 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

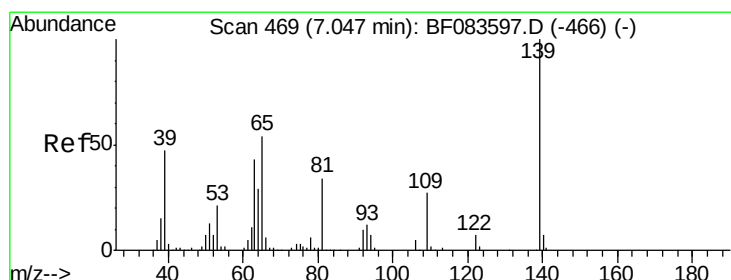
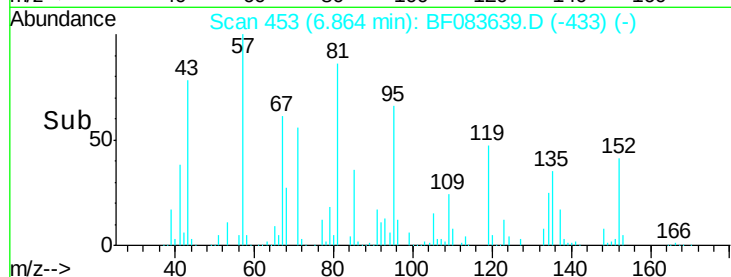
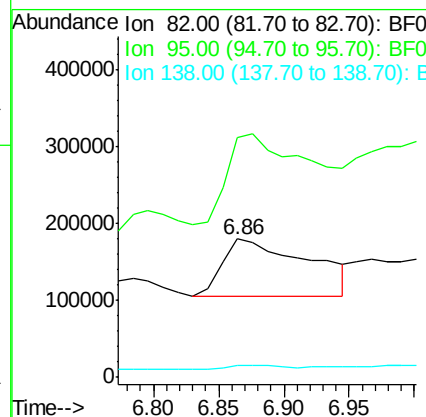
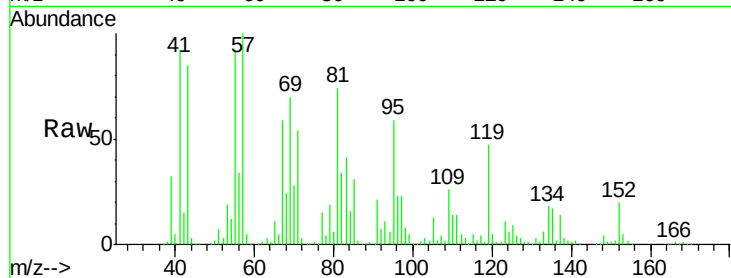
Tgt Ion: 82 Resp: 336750

Ion Ratio Lower Upper

82 100

95 173.3 5.0 7.4#

138 8.4 12.1 18.1#



#26

2-Nitrophenol

Concen: 20.71 ng

RT: 6.98 min Scan# 463

Delta R.T. -0.07 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

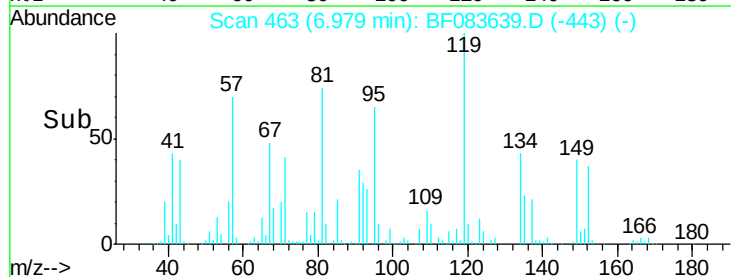
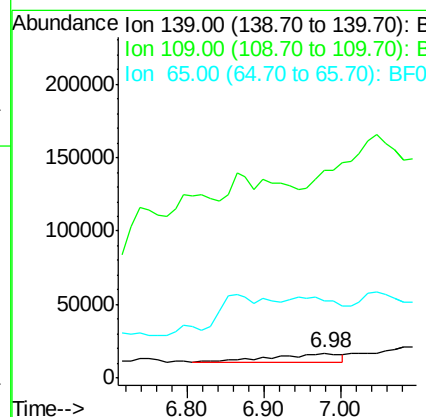
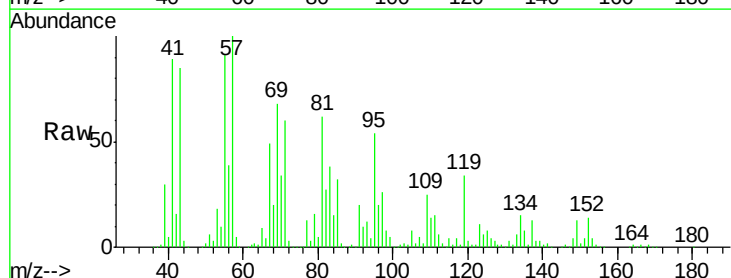
Tgt Ion: 139 Resp: 37459

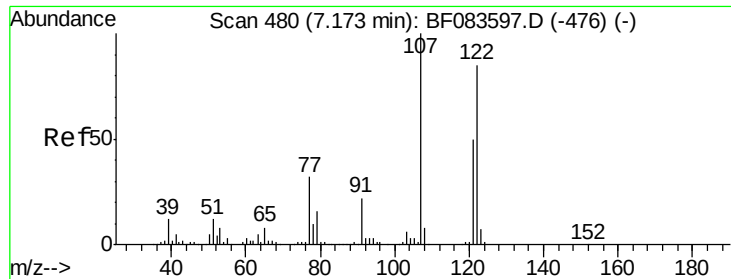
Ion Ratio Lower Upper

139 100

109 832.8 22.7 34.1#

65 309.9 51.8 77.8#

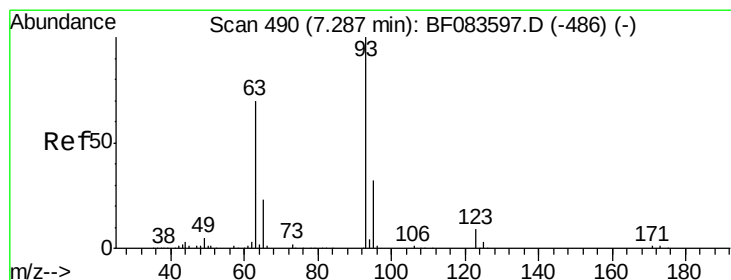
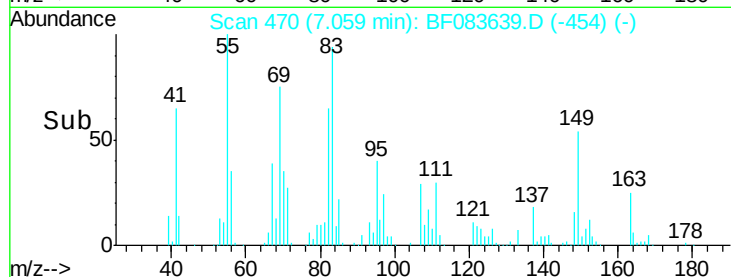
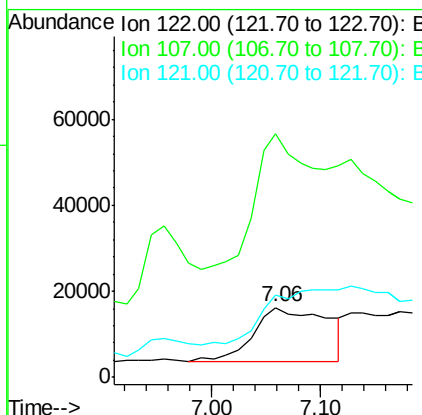
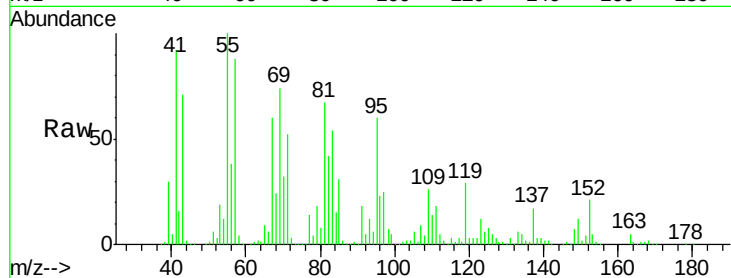




#27
 2,4-Dimethylphenol
 Concen: 19.06 ng
 RT: 7.06 min Scan# 470
 Delta R.T. -0.11 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

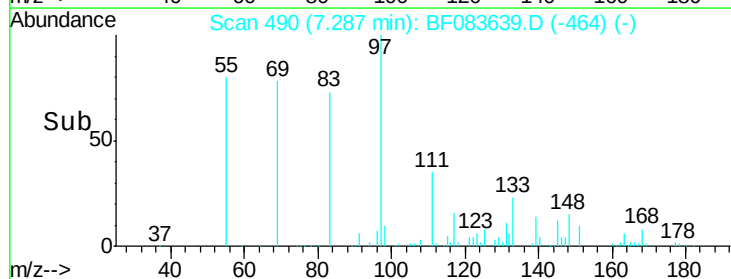
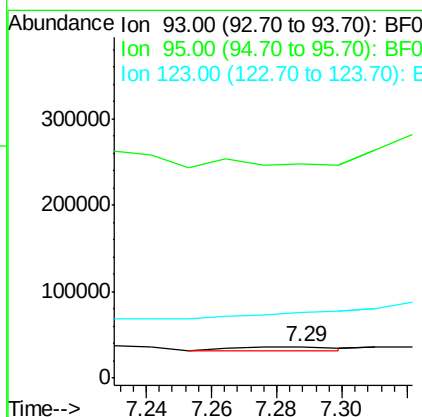
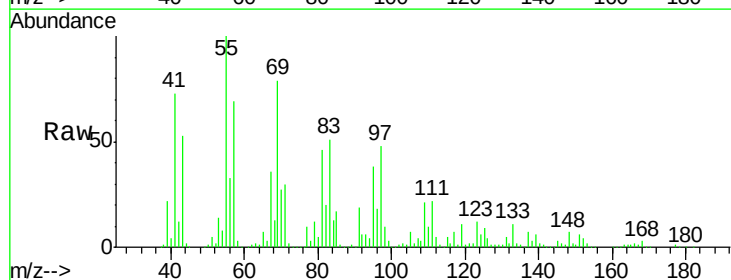
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

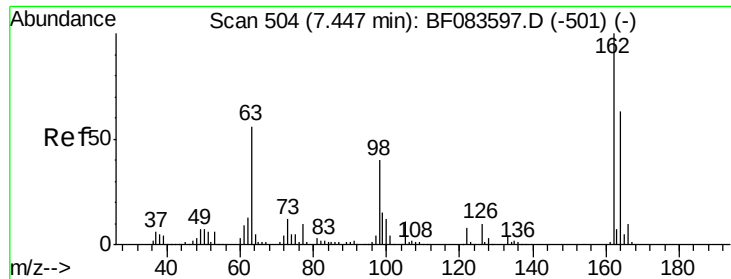
Tgt Ion:122 Resp: 60326
 Ion Ratio Lower Upper
 122 100
 107 346.9 92.4 138.6#
 121 118.1 45.8 68.6#



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.35 ng
 RT: 7.29 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion: 93 Resp: 10451
 Ion Ratio Lower Upper
 93 100
 95 679.7 25.6 38.4#
 123 207.3 7.3 10.9#





#29

2,4-Dichlorophenol

Concen: 159.09 ng

RT: 7.64 min Scan# 521

Delta R.T. 0.19 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

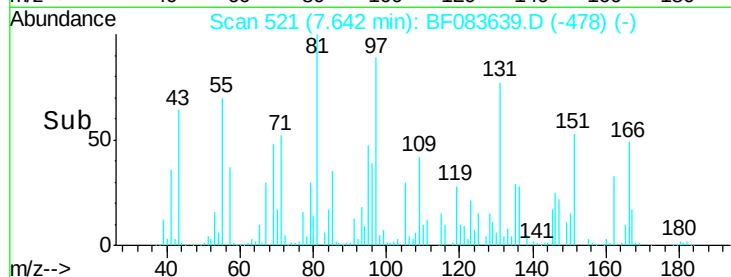
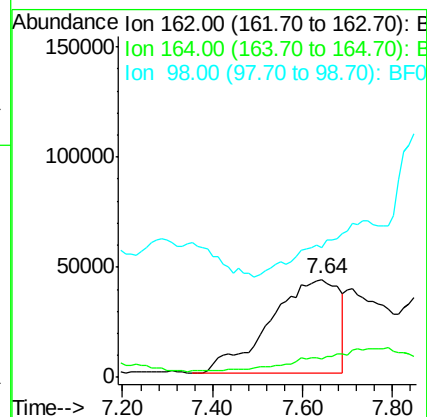
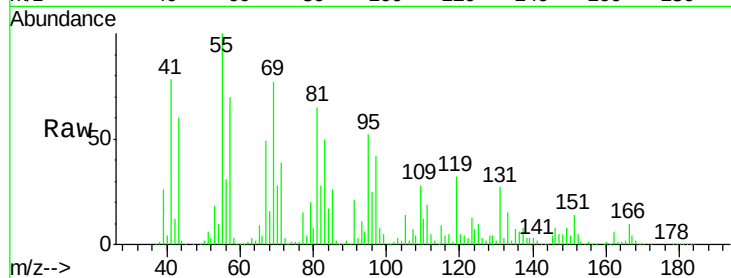
Tgt Ion:162 Resp: 457816

Ion Ratio Lower Upper

162 100

164 18.1 43.4 83.4#

98 131.6 17.5 57.5#



#31

Naphthalene

Concen: 62.01 ng

RT: 7.73 min Scan# 529

Delta R.T. 0.10 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

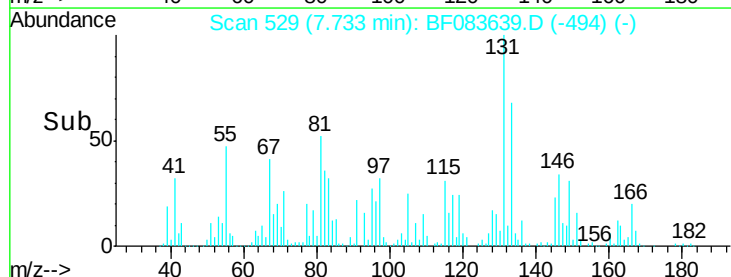
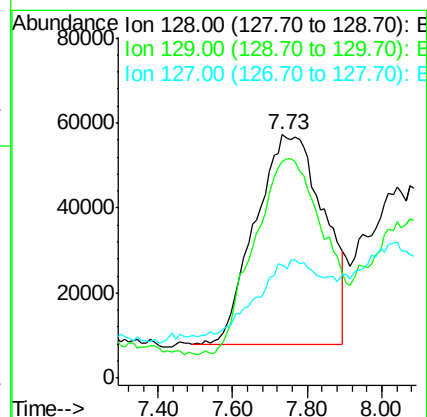
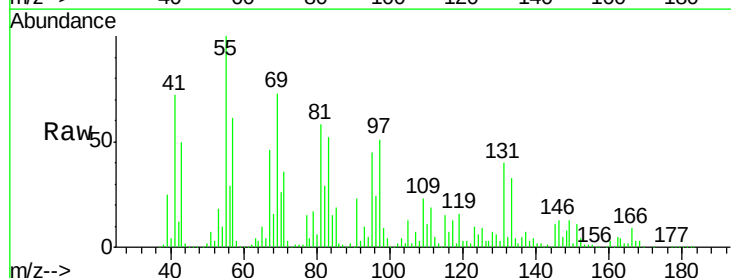
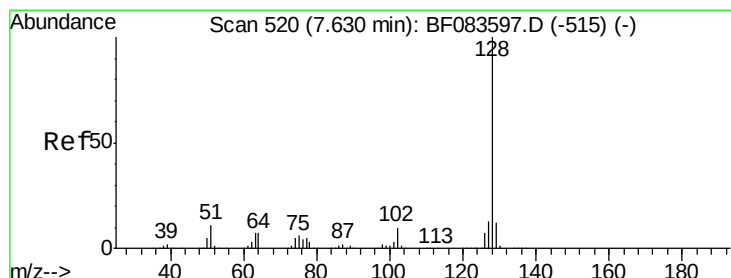
Tgt Ion:128 Resp: 631631

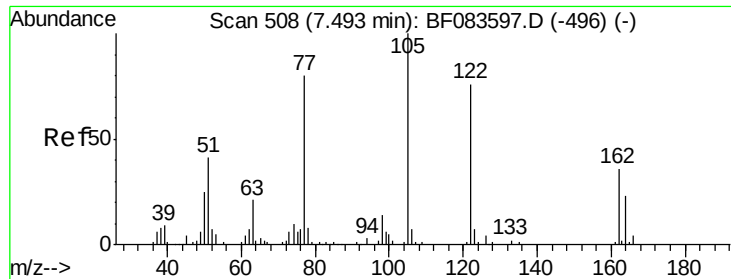
Ion Ratio Lower Upper

128 100

129 88.9 8.6 13.0#

127 46.5 10.6 16.0#





#32

Benzoic acid

Concen: 6.65 ng

RT: 7.48 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

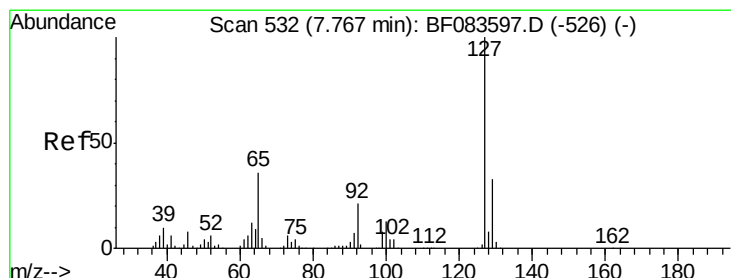
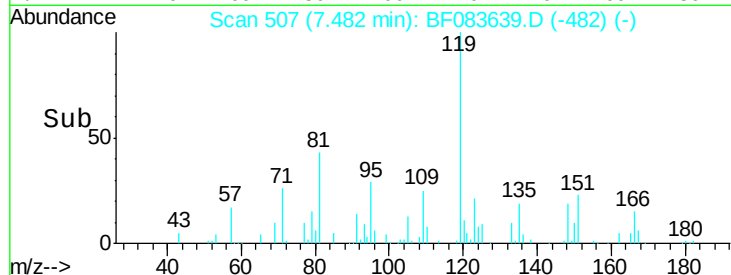
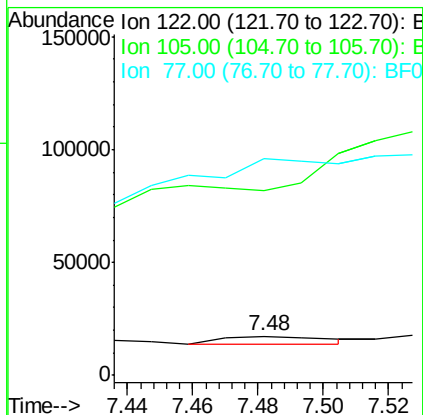
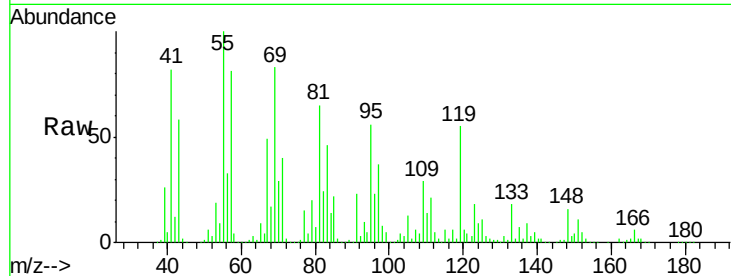
Tgt Ion:122 Resp: 7830

Ion Ratio Lower Upper

122 100

105 474.6 105.6 145.6#

77 555.6 86.8 126.8#



#33

4-Chloroaniline

Concen: 62.70 ng

RT: 7.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Tgt Ion:127 Resp: 232878

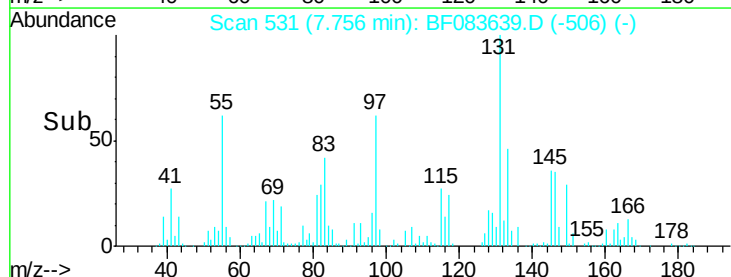
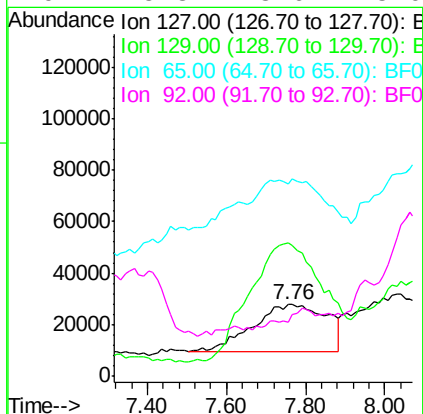
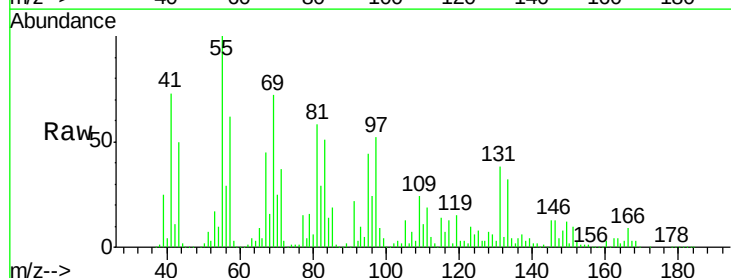
Ion Ratio Lower Upper

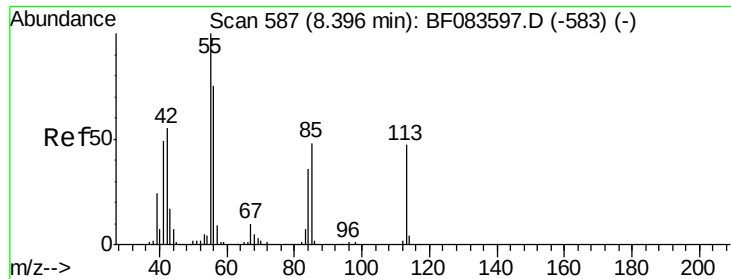
127 100

129 186.0 26.1 39.1#

65 269.2 33.5 50.3#

92 75.3 18.6 28.0#

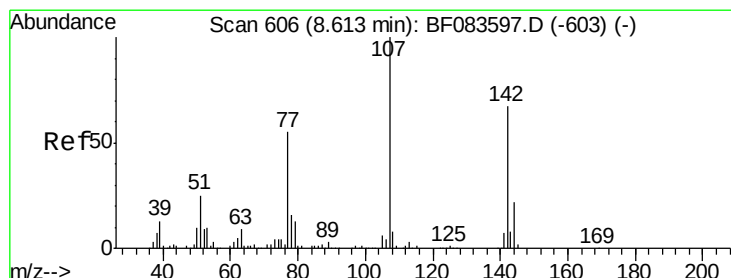
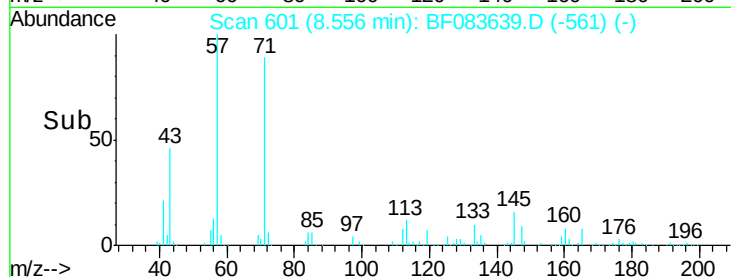
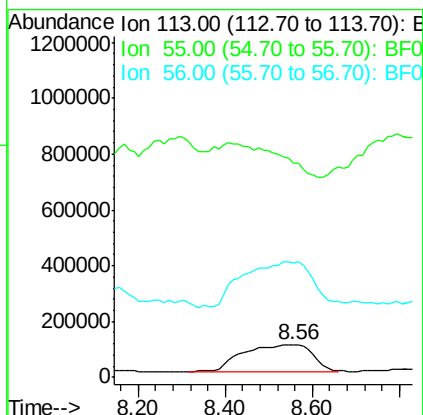
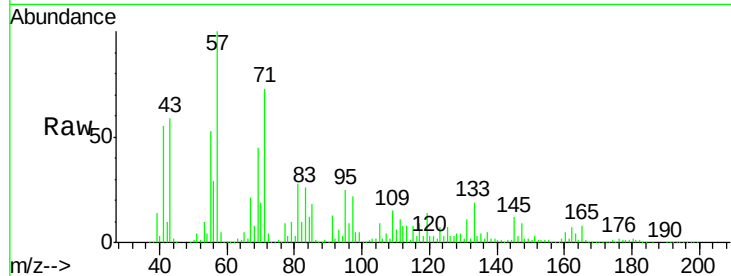




#35
 Caprolactam
 Concen: 1233.25 ng
 RT: 8.56 min Scan# 601
 Delta R.T. 0.16 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

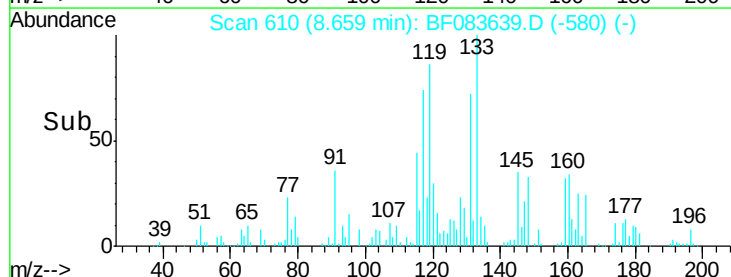
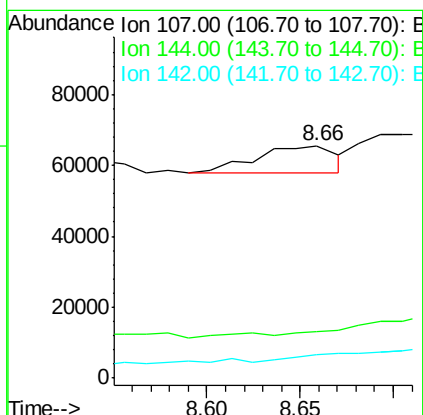
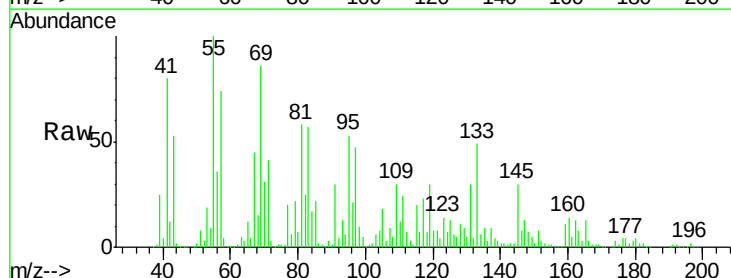
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

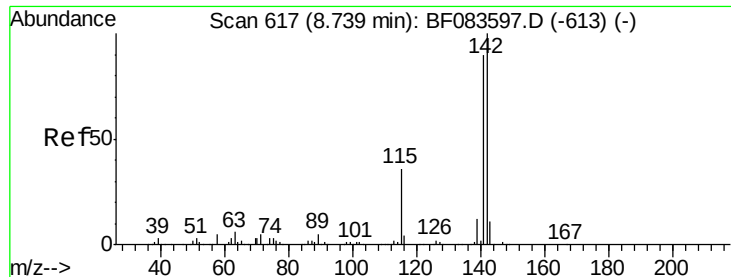
Tgt Ion:113 Resp: 1065193
 Ion Ratio Lower Upper
 113 100
 55 654.0 189.7 229.7#
 56 351.0 130.7 170.7#



#36
 4-Chloro-3-methylphenol
 Concen: 7.16 ng
 RT: 8.66 min Scan# 610
 Delta R.T. 0.05 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion:107 Resp: 23133
 Ion Ratio Lower Upper
 107 100
 144 19.9 17.5 26.3
 142 9.9 53.6 80.4#

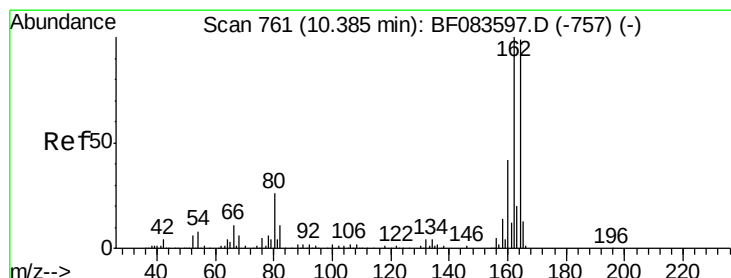
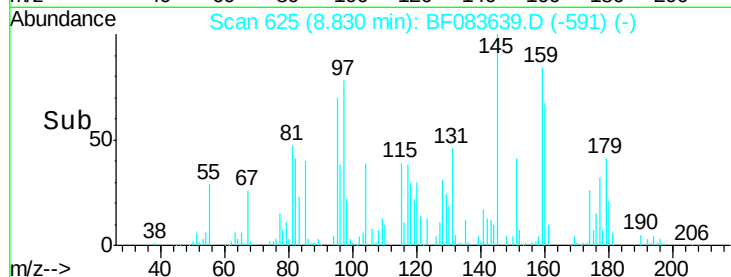
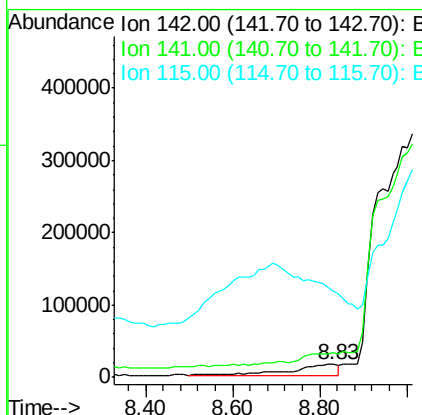
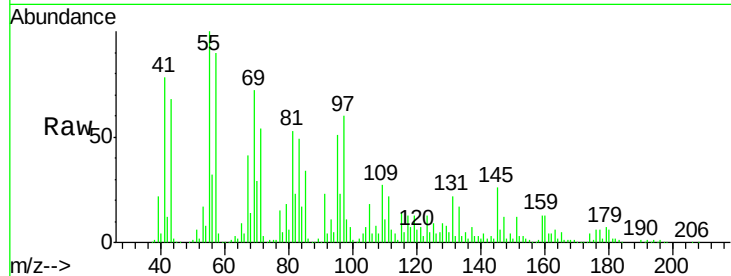




#37
 2-Methylnaphthalene
 Concen: 17.63 ng
 RT: 8.83 min Scan# 625
 Delta R.T. 0.09 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

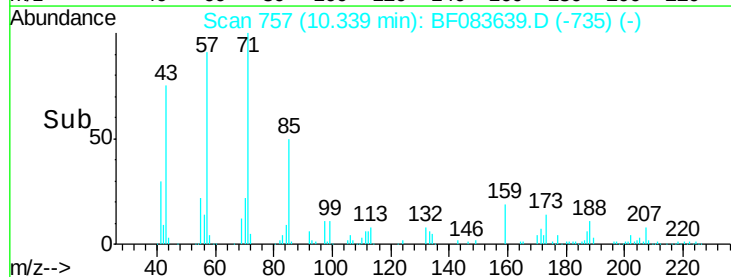
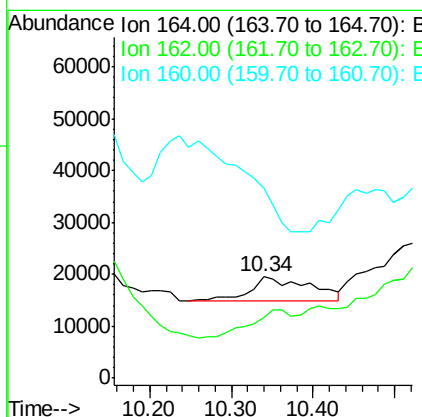
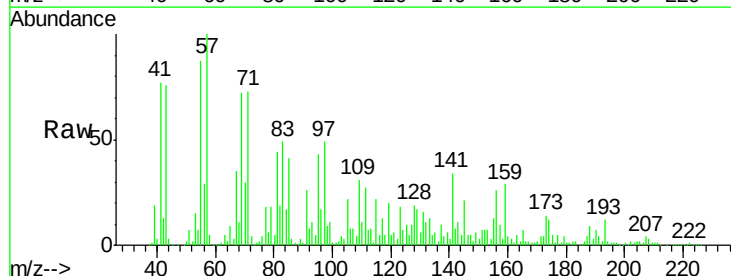
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

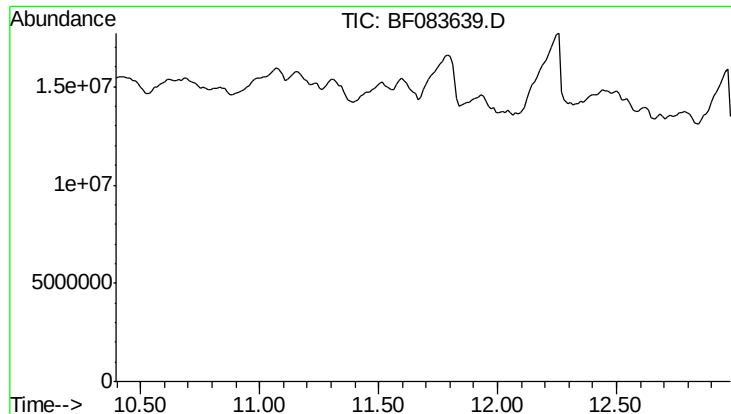
Tgt Ion:142 Resp: 112794
 Ion Ratio Lower Upper
 142 100
 141 186.8 70.3 105.5#
 115 663.1 29.2 43.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 757
 Delta R.T. -0.05 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion:164 Resp: 22047
 Ion Ratio Lower Upper
 164 100
 162 60.1 78.8 118.2#
 160 187.9 33.4 50.2#



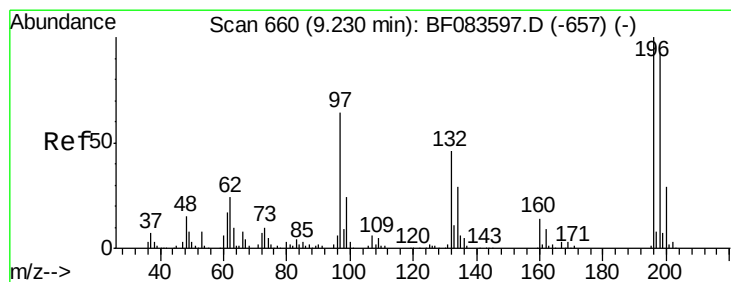
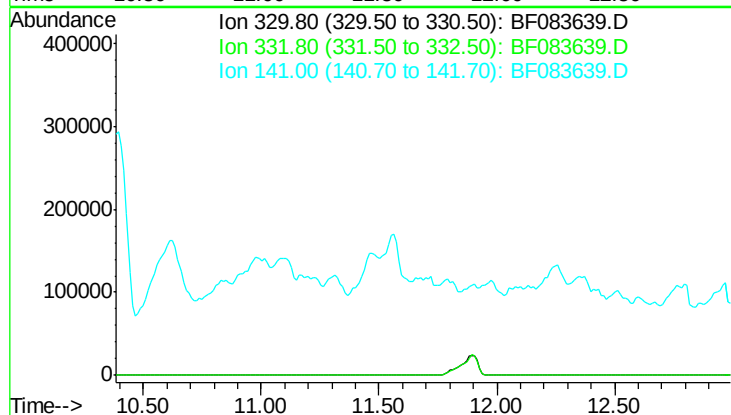


#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.69 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Tgt Ion: 330

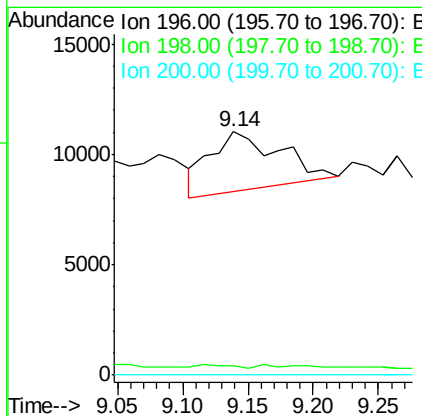
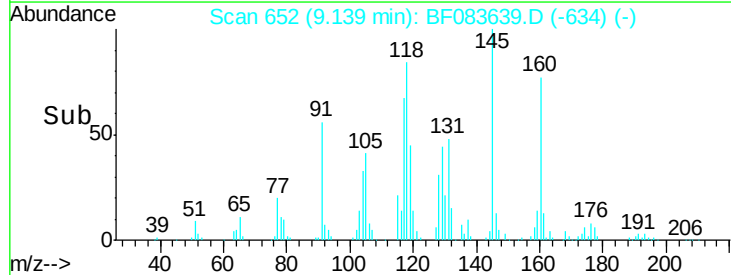
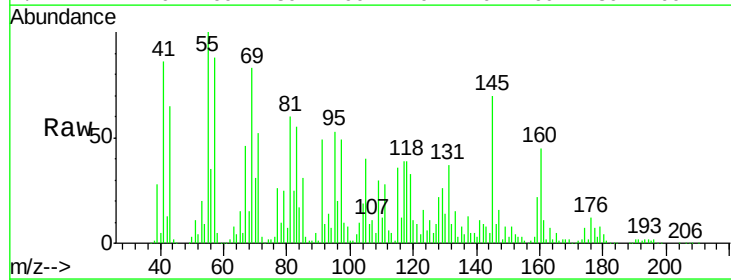
Sig	Exp Ratio
330	100
332	0.0
141	0.0

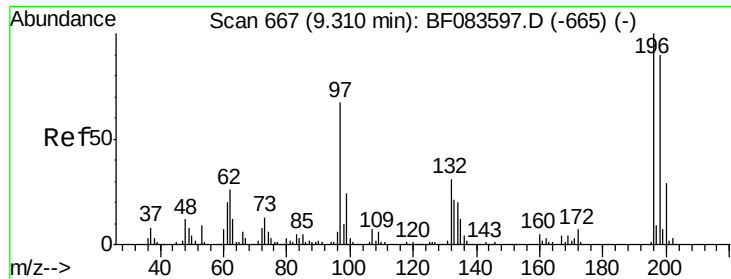


#42
 2,4,6-Trichlorophenol
 Concen: 22.42 ng
 RT: 9.14 min Scan# 652
 Delta R.T. -0.09 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion: 196 Resp: 9854

Ion	Ratio	Lower	Upper
196	100		
198	3.8	75.2	112.8#
200	0.0	23.0	34.6#

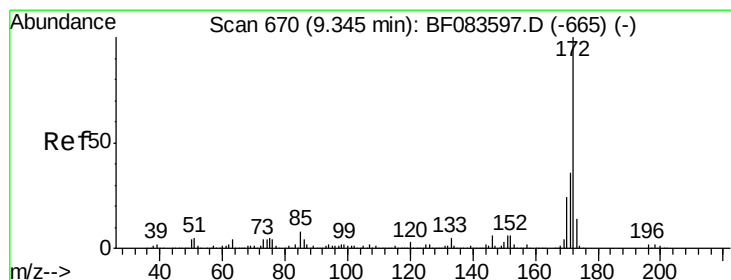
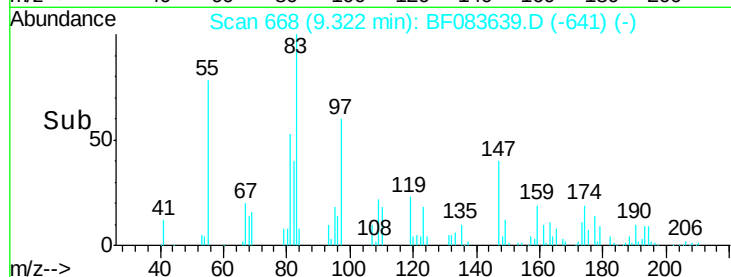
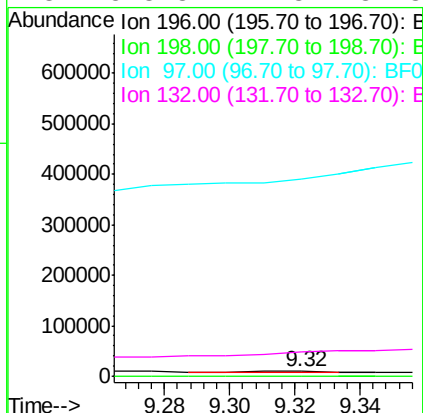
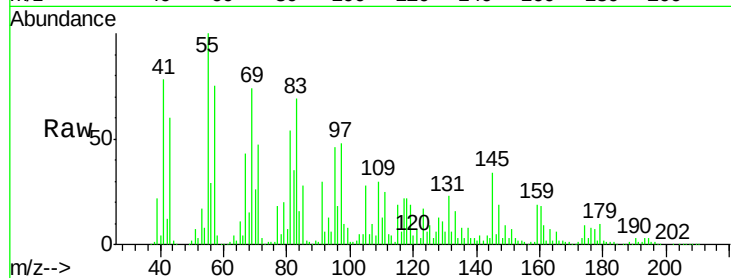




#43
 2,4,5-Trichlorophenol
 Concen: 4.53 ng
 RT: 9.32 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

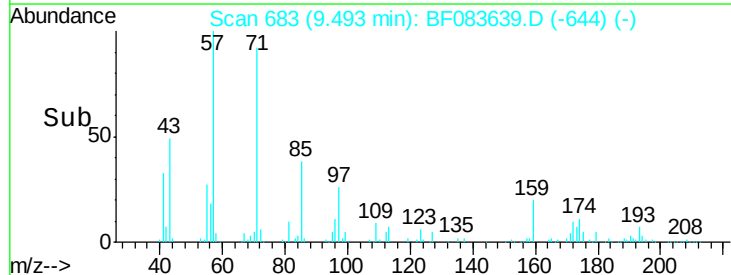
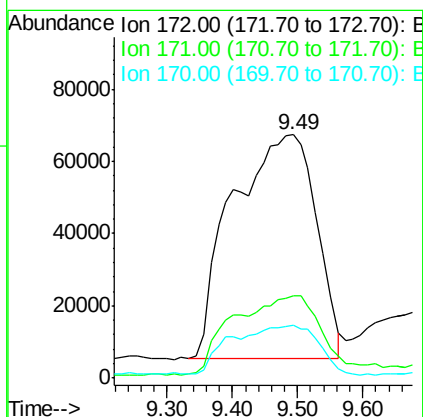
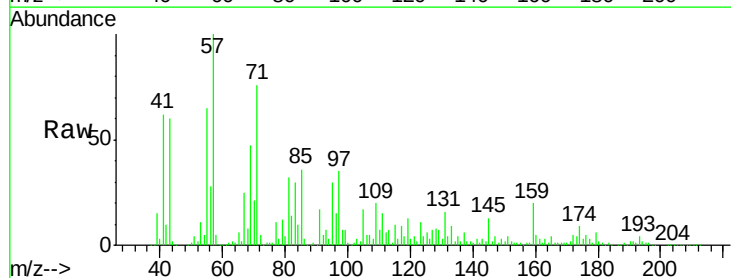
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

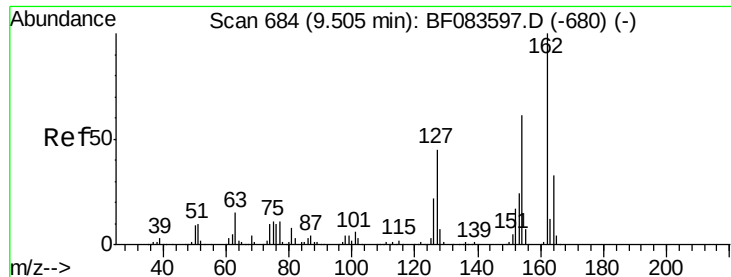
Tgt Ion:196 Resp: 1931
 Ion Ratio Lower Upper
 196 100
 198 4.2 77.7 116.5#
 97 4217.0 41.2 61.8#
 132 528.8 21.8 32.8#



#44
 2-Fluorobiphenyl
 Concen: 353.28 ng
 RT: 9.49 min Scan# 683
 Delta R.T. 0.15 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion:172 Resp: 553412
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.6 42.8
 170 21.5 19.4 29.0





#46

2-Chloronaphthalene

Concen: 23.62 ng

RT: 9.28 min Scan# 664

Delta R.T. -0.23 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

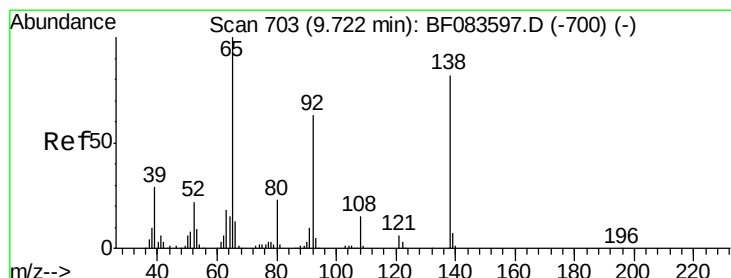
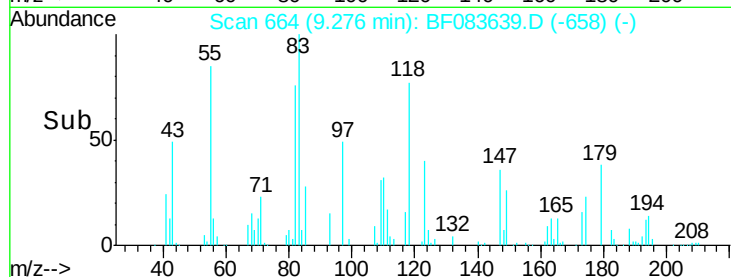
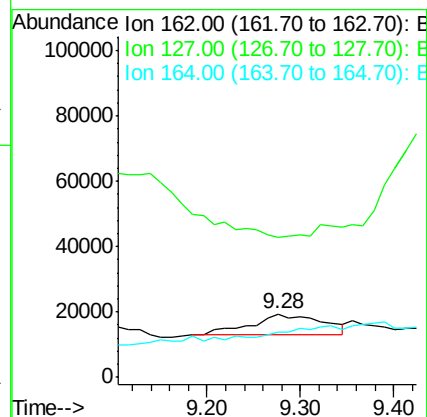
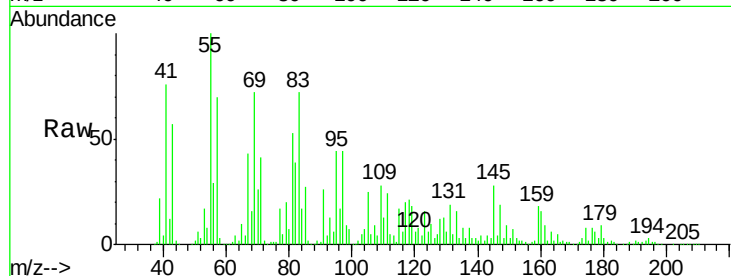
Tgt Ion:162 Resp: 34179

Ion Ratio Lower Upper

162 100

127 219.1 31.0 46.4#

164 70.7 27.4 41.0#



#47

2-Nitroaniline

Concen: 132.52 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

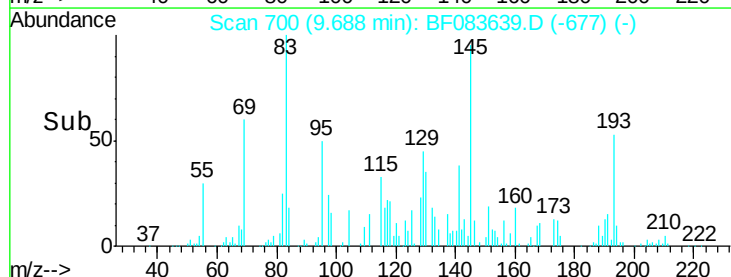
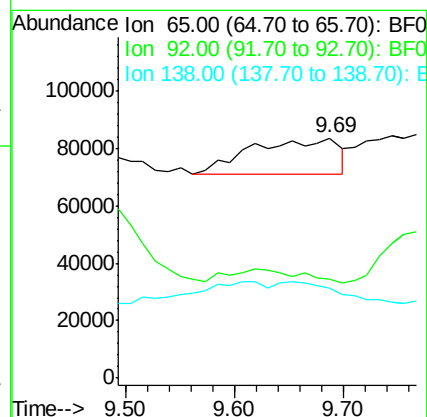
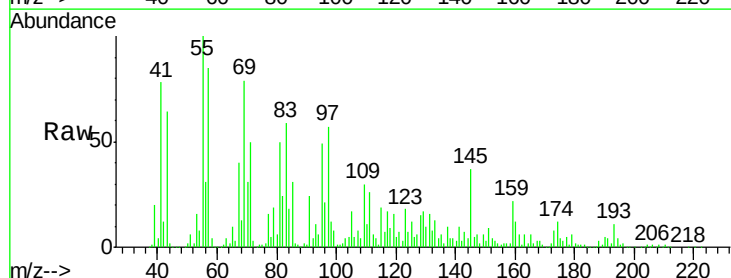
Tgt Ion: 65 Resp: 69146

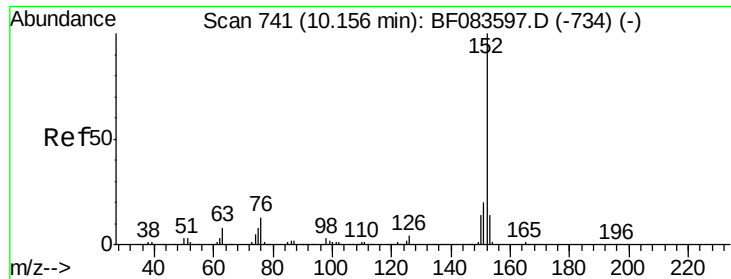
Ion Ratio Lower Upper

65 100

92 41.0 49.6 74.4#

138 37.4 64.1 96.1#





#48

Acenaphthylene

Concen: 120.98 ng

RT: 9.98 min Scan# 726

Delta R.T. -0.17 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

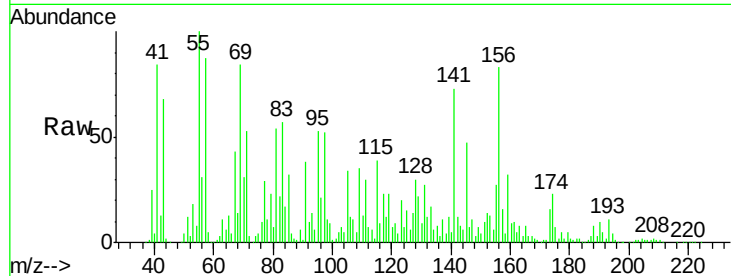
Tgt Ion:152 Resp: 288606

Ion Ratio Lower Upper

152 100

151 76.2 16.3 24.5#

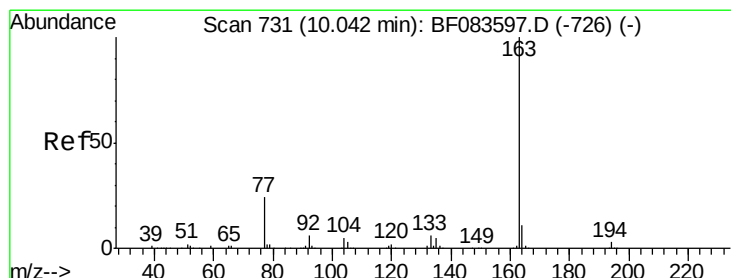
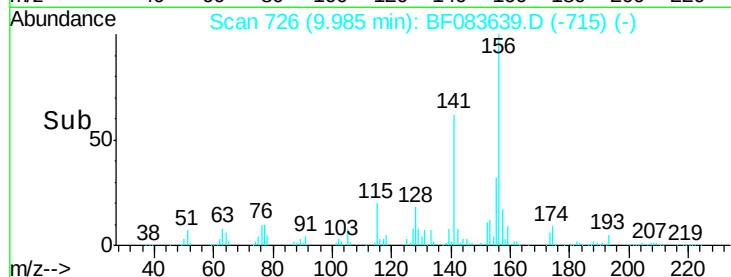
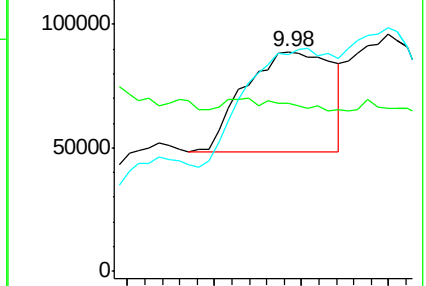
153 98.4 10.8 16.2#



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: 43.81 ng

RT: 9.90 min Scan# 719

Delta R.T. -0.14 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

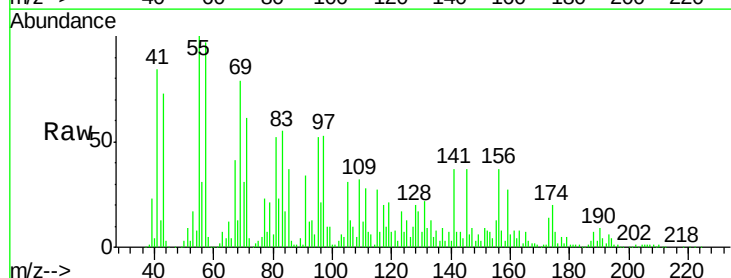
Tgt Ion:163 Resp: 76885

Ion Ratio Lower Upper

163 100

194 51.3 2.8 4.2#

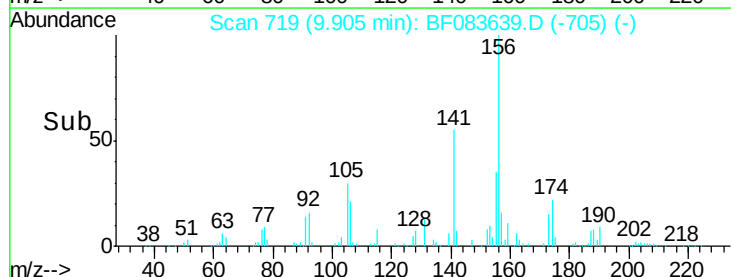
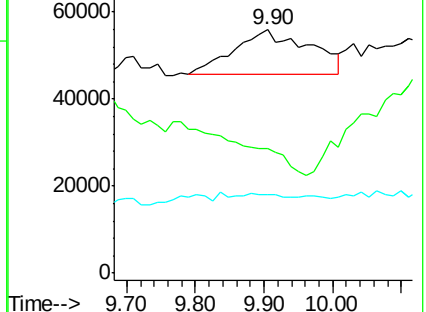
164 32.0 8.6 13.0#

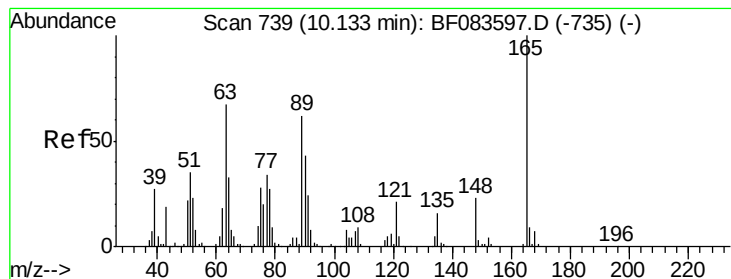


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 313.78 ng

RT: 10.13 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

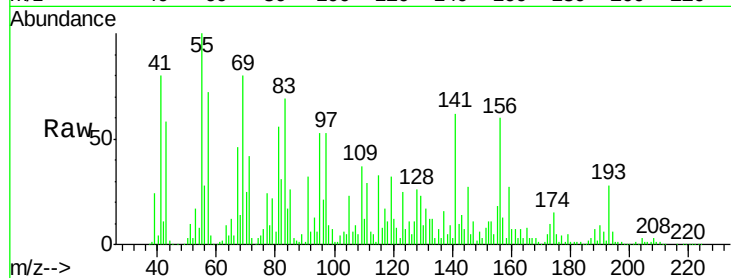
Tgt Ion:165 Resp: 113693

Ion Ratio Lower Upper

165 100

63 105.6 56.9 85.3#

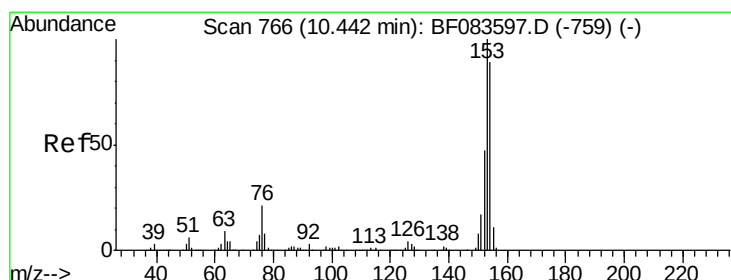
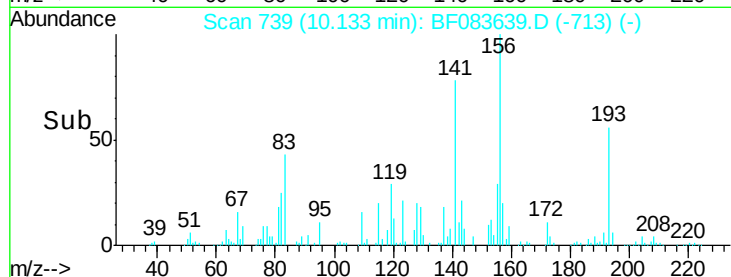
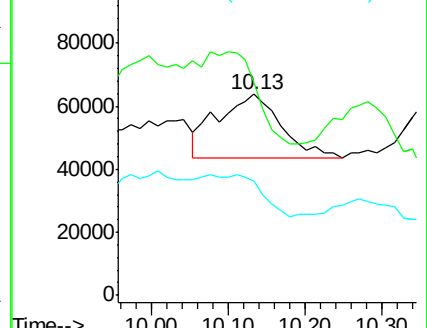
89 56.6 52.1 78.1



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: 50.92 ng

RT: 10.29 min Scan# 753

Delta R.T. -0.15 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

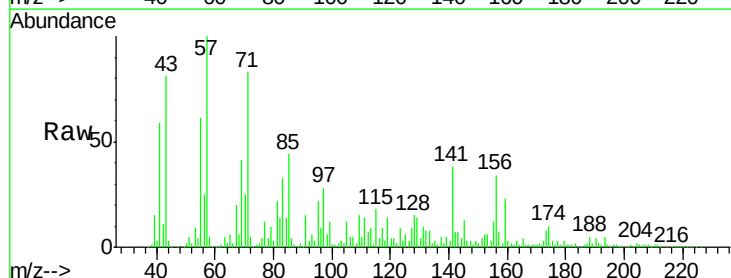
Tgt Ion:154 Resp: 69553

Ion Ratio Lower Upper

154 100

153 210.2 91.4 137.0#

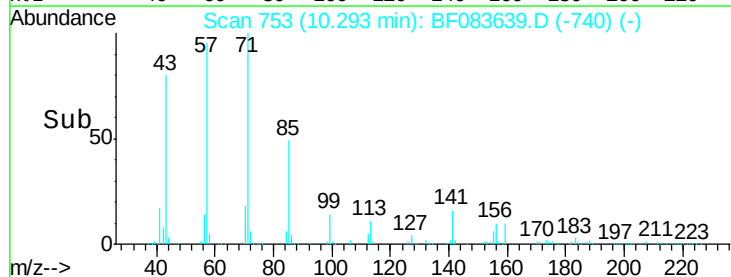
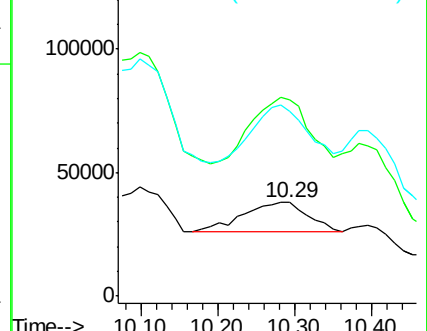
152 198.0 43.4 65.2#

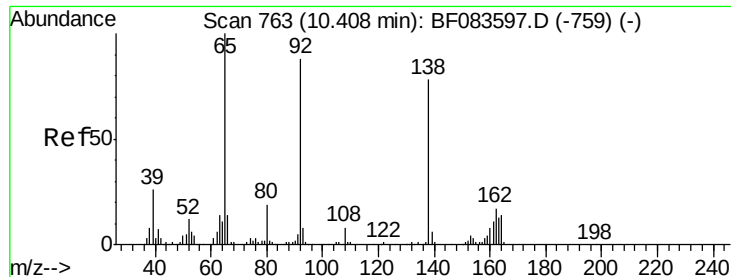


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 535.41 ng

RT: 10.51 min Scan# 772

Delta R.T. 0.10 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

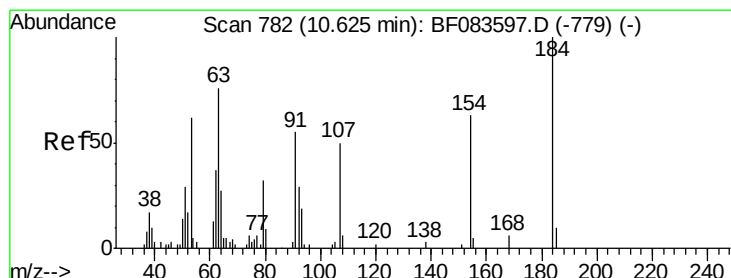
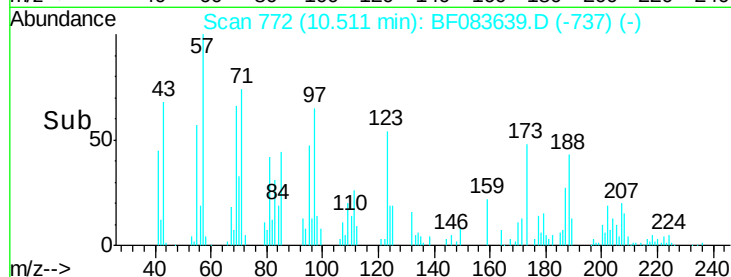
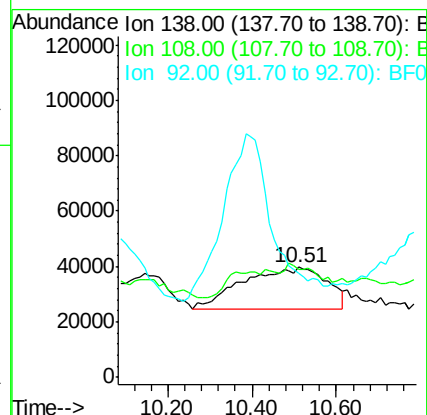
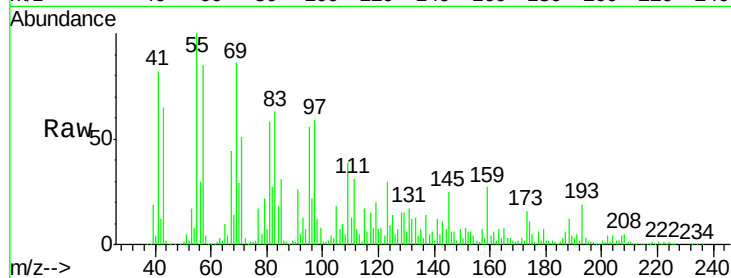
Tgt Ion:138 Resp: 206186

Ion Ratio Lower Upper

138 100

108 98.2 9.9 14.9#

92 95.1 113.8 170.8#



#53

2,4-Dinitrophenol

Concen: 37.20 ng

RT: 10.62 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

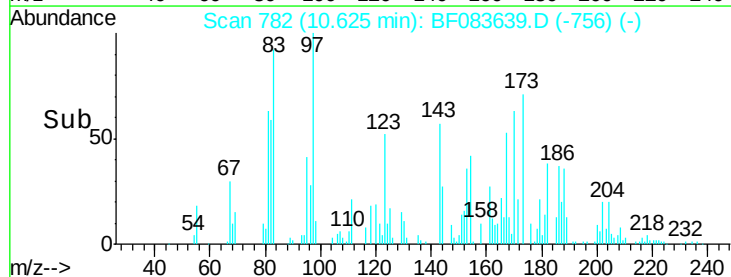
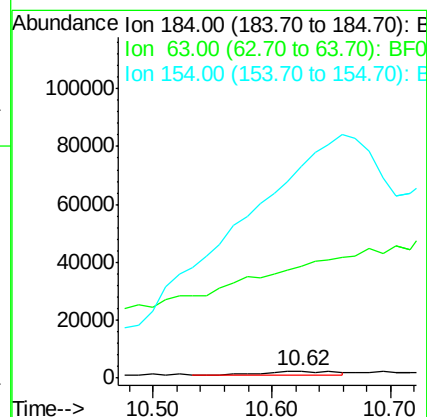
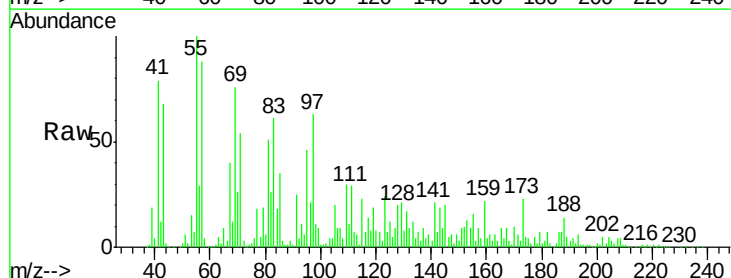
Tgt Ion:184 Resp: 6093

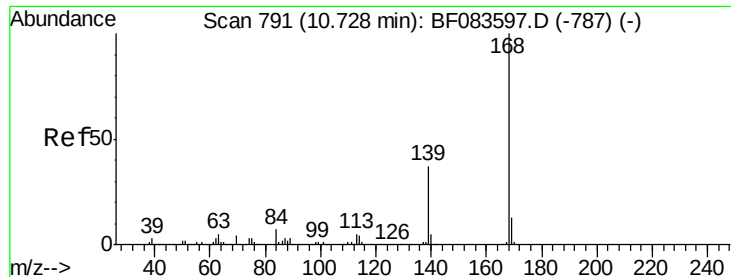
Ion Ratio Lower Upper

184 100

63 1611.3 62.4 93.6#

154 3050.1 46.6 69.8#

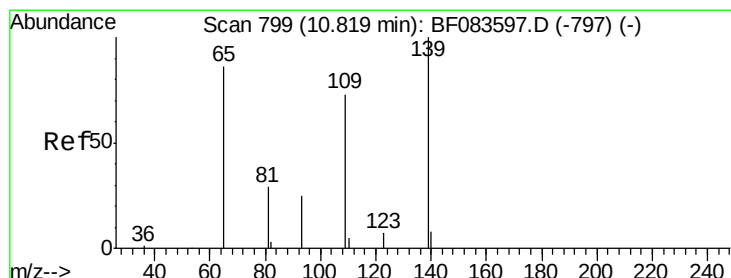
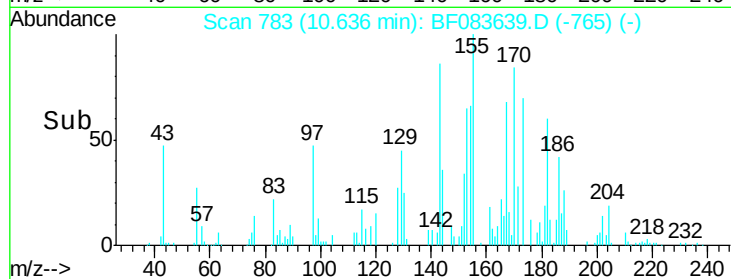
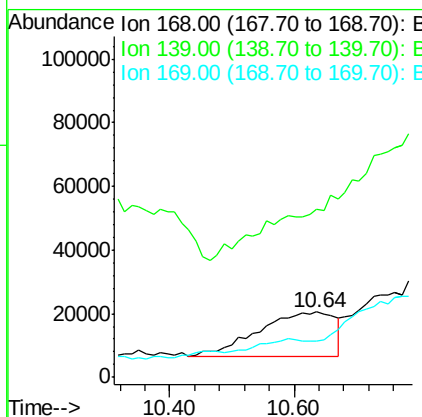
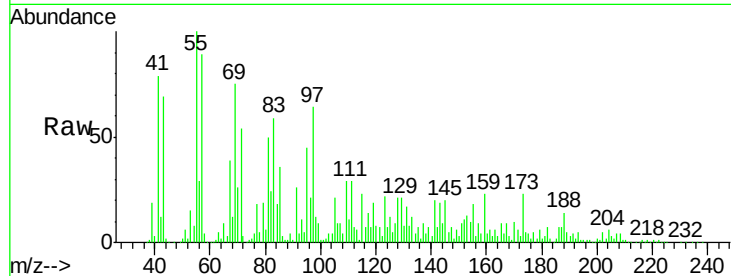




#54
Dibenzofuran
Concen: 64.01 ng
RT: 10.64 min Scan# 783
Delta R.T. -0.09 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

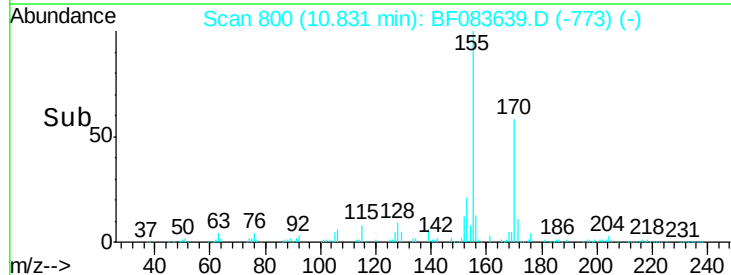
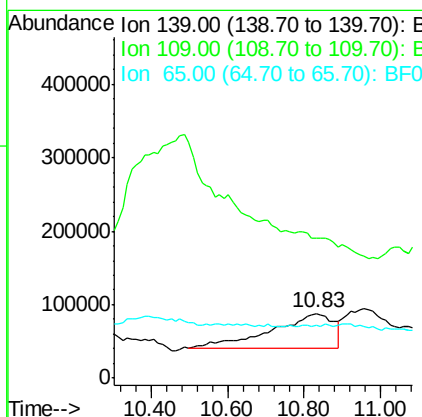
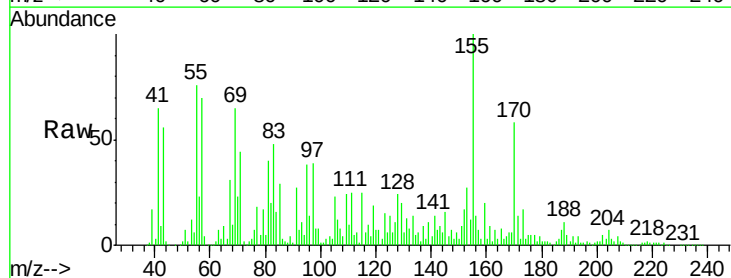
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

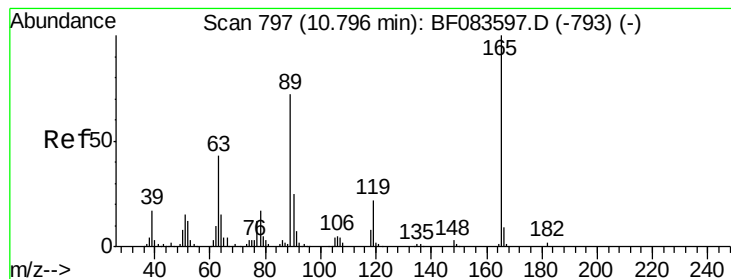
Tgt Ion:168 Resp: 121243
Ion Ratio Lower Upper
168 100
139 257.6 28.0 42.0#
169 55.1 10.8 16.2#



#55
4-Nitrophenol
Concen: 3216.73 ng
RT: 10.83 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:139 Resp: 545386
Ion Ratio Lower Upper
139 100
109 217.8 42.0 82.0#
65 81.8 89.2 129.2#





#56

2,4-Dinitrotoluene

Concen: 66.59 ng

RT: 10.74 min Scan# 792

Delta R.T. -0.06 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

Tgt Ion:165 Resp: 31998

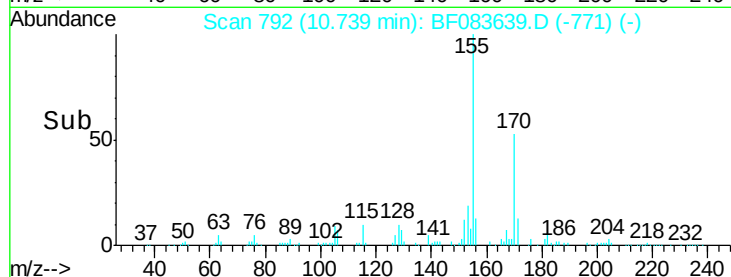
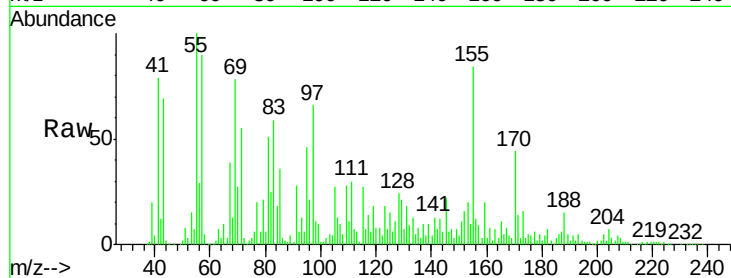
Ion Ratio Lower Upper

165 100

63 64.0 51.4 77.2

89 39.9 72.6 108.8#

182 58.9 1.4 2.0#

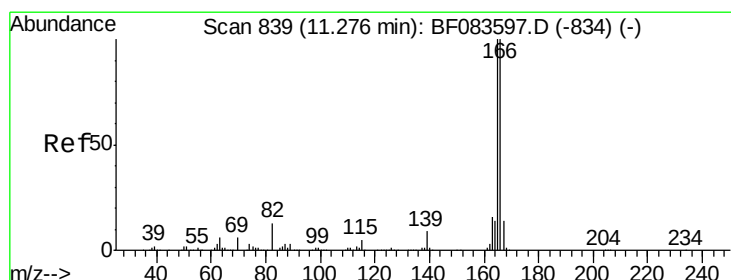
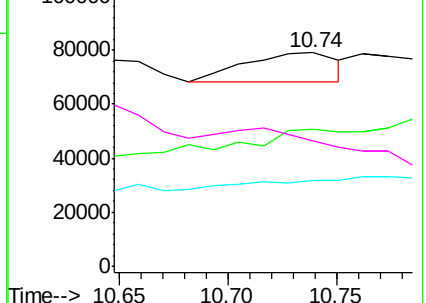


Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.10 ng

RT: 11.06 min Scan# 820

Delta R.T. -0.22 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

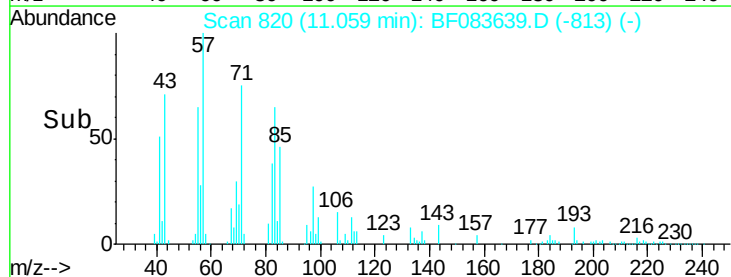
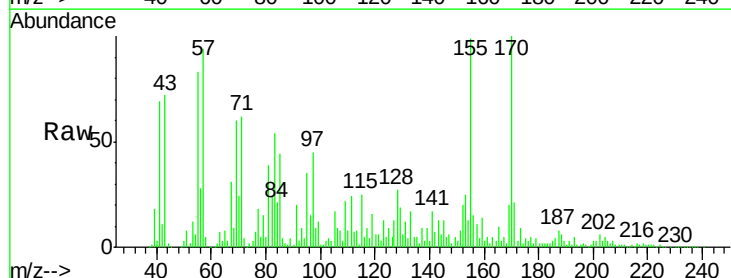
Tgt Ion:166 Resp: 8422

Ion Ratio Lower Upper

166 100

165 293.1 80.0 120.0#

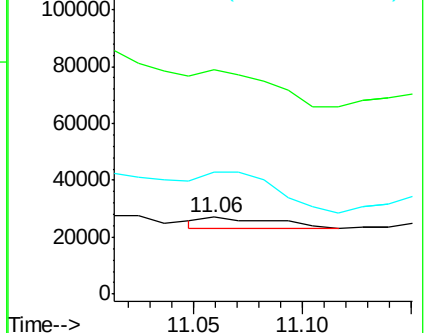
167 158.4 10.6 16.0#

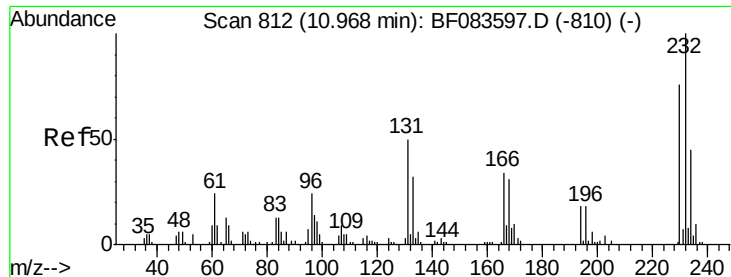


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

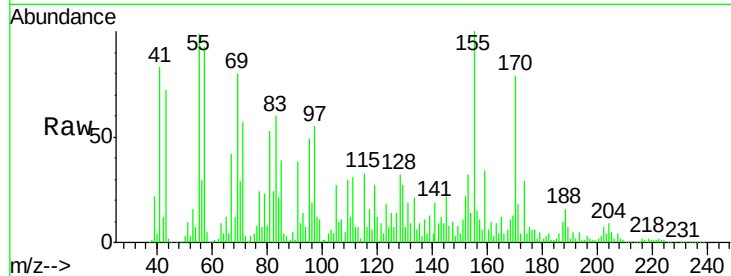




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 13.01 ng
 RT: 10.89 min Scan# 805
 Delta R.T. -0.08 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Tgt Ion:	232	Resp:	4234
Ion	Ratio	Lower	Upper
232	100		
131	0.0	0.0	0.0
130	0.0	0.0	0.0
166	0.0	0.0	0.0

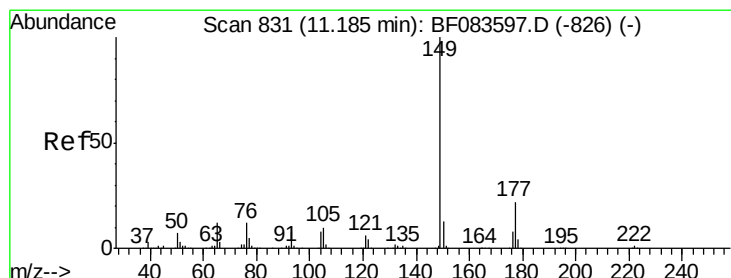
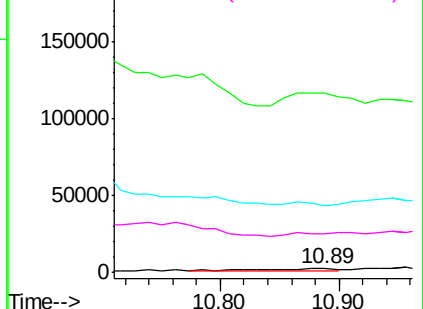
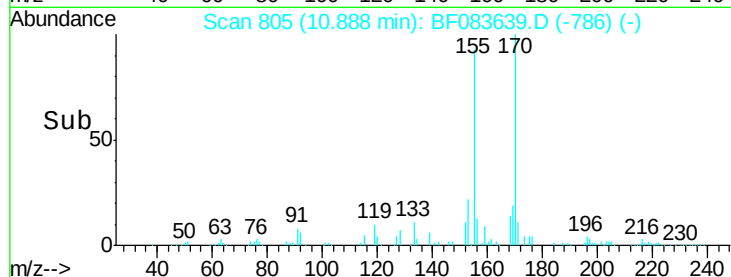


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

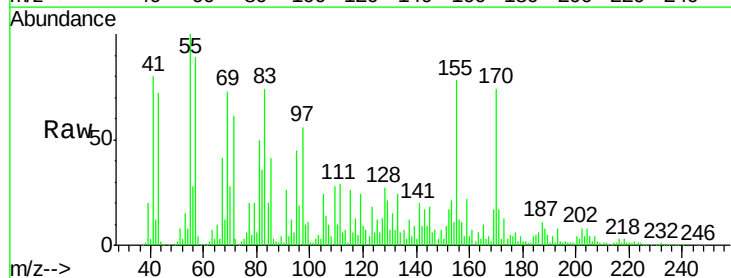
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 10.03 ng
 RT: 11.10 min Scan# 824
 Delta R.T. -0.08 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

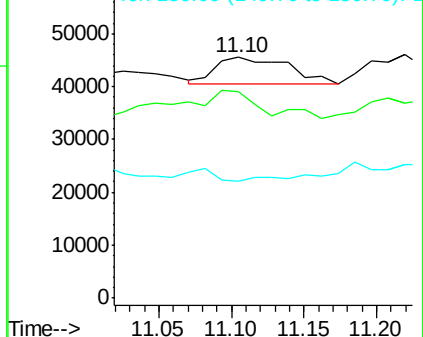
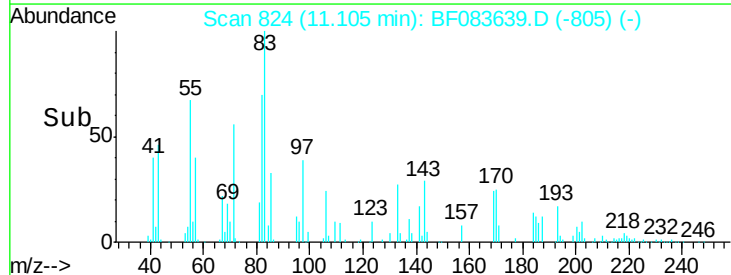
Tgt Ion:	149	Resp:	17112
Ion	Ratio	Lower	Upper
149	100		
177	85.8	16.9	25.3#
150	48.4	10.2	15.4#

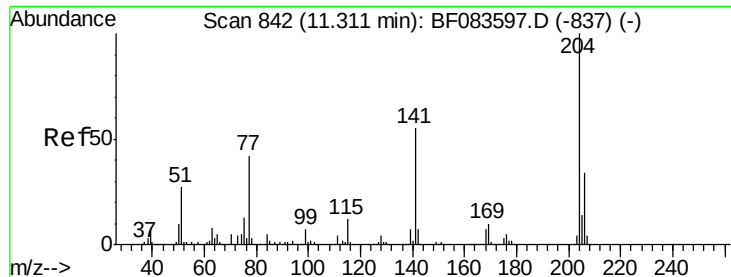


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

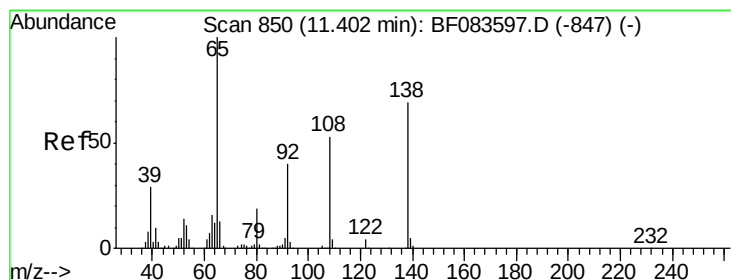
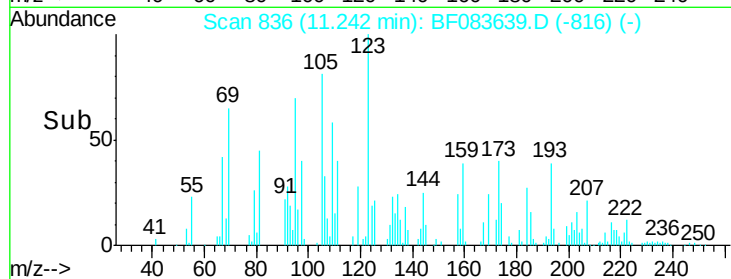
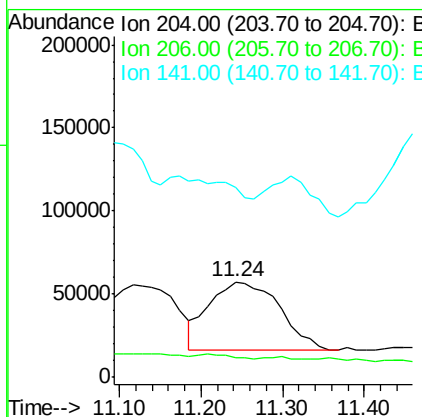
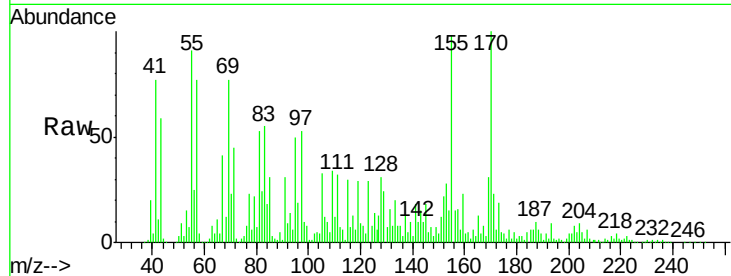




#60
4-Chlorophenyl-phenylether
Concen: 311.68 ng
RT: 11.24 min Scan# 836
Delta R.T. -0.07 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

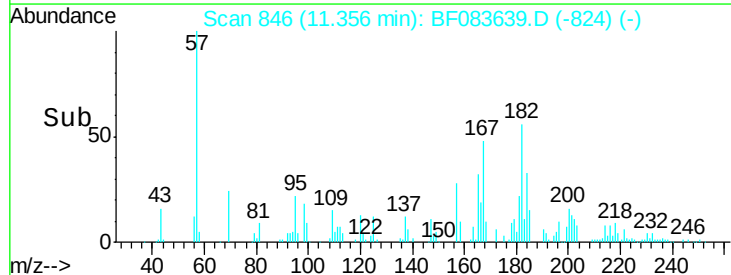
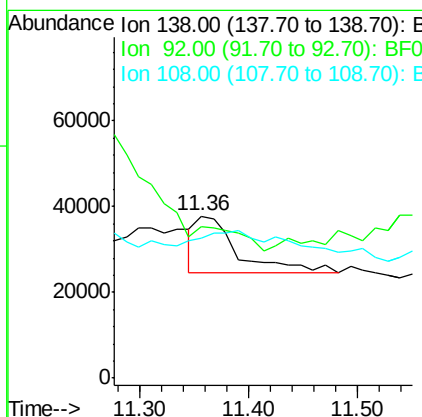
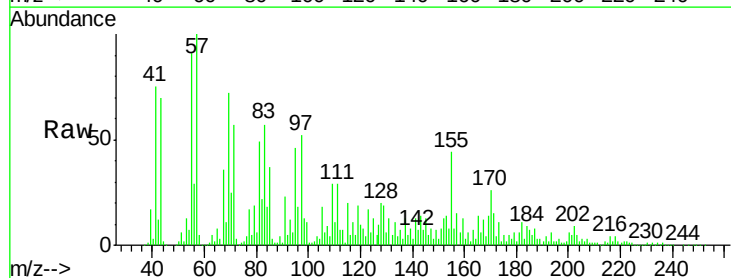
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

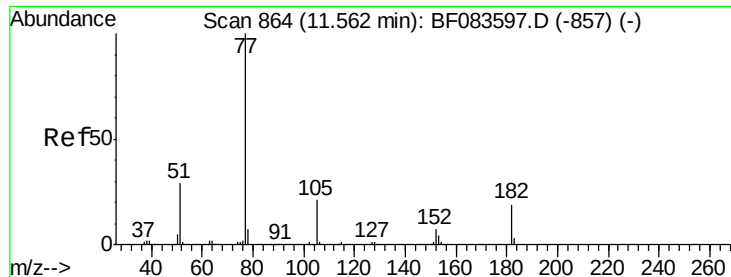
Tgt Ion: 204 Resp: 245268
Ion Ratio Lower Upper
204 100
206 20.8 27.3 40.9#
141 198.7 51.9 77.9#



#61
4-Nitroaniline
Concen: 100.51 ng
RT: 11.36 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion: 138 Resp: 35165
Ion Ratio Lower Upper
138 100
92 93.3 29.0 69.0#
108 86.4 47.4 87.4





#62

Azobenzene

Concen: 83.86 ng

RT: 11.65 min Scan# 872

Delta R.T. 0.09 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

Tgt Ion: 77 Resp: 157484

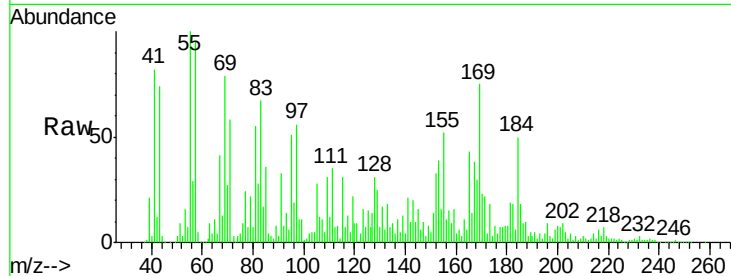
Ion Ratio Lower Upper

77 100

182 76.1 2.5 42.5#

105 120.0 2.1 42.1#

51 37.1 9.3 49.3

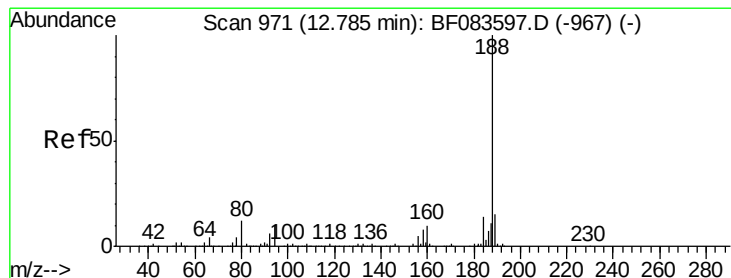
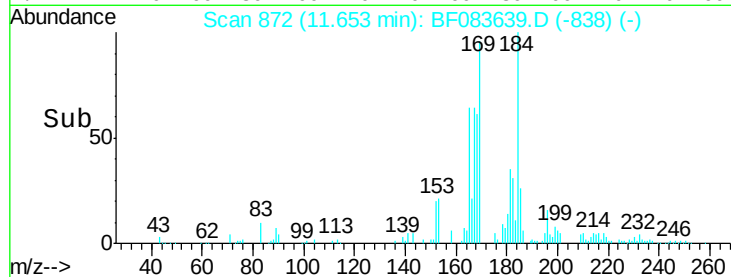
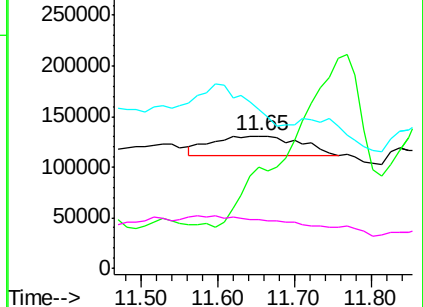


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.77 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

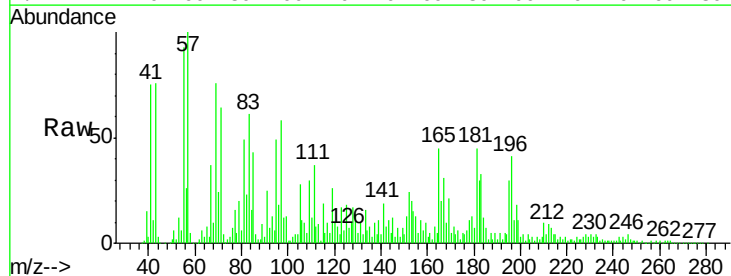
Tgt Ion: 188 Resp: 8002

Ion Ratio Lower Upper

188 100

94 362.0 9.4 14.2#

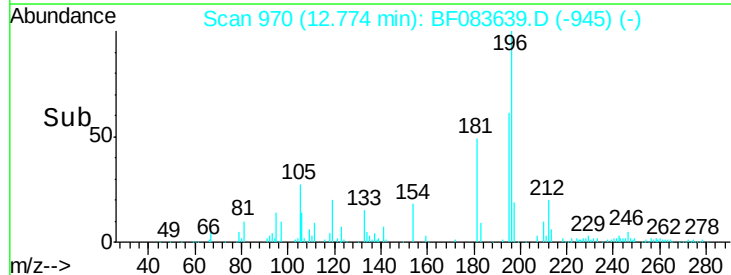
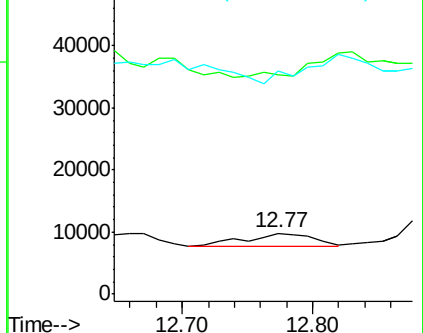
80 368.6 10.6 16.0#

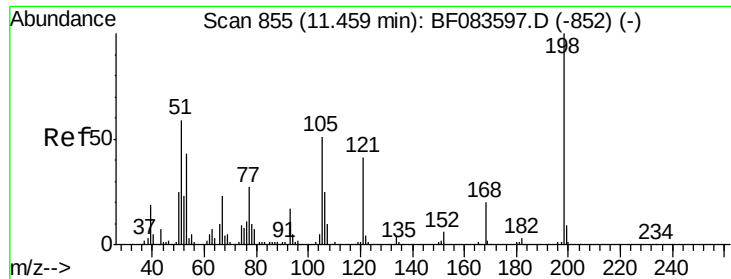


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

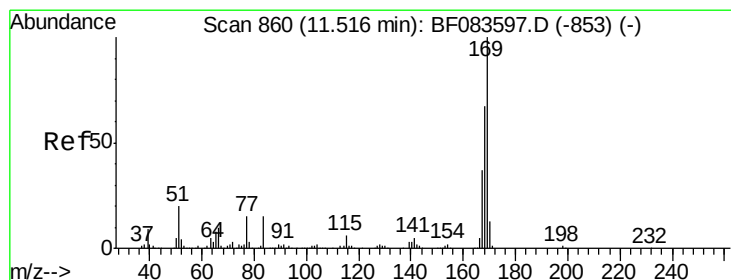
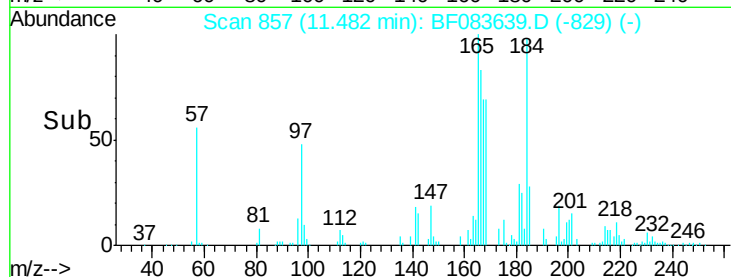
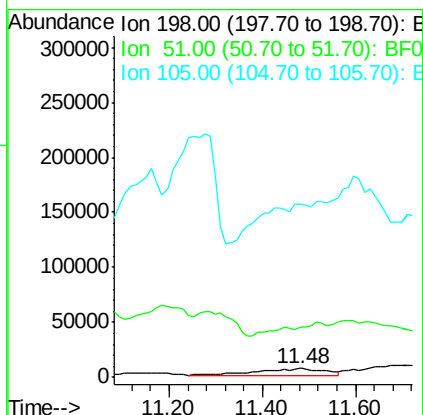
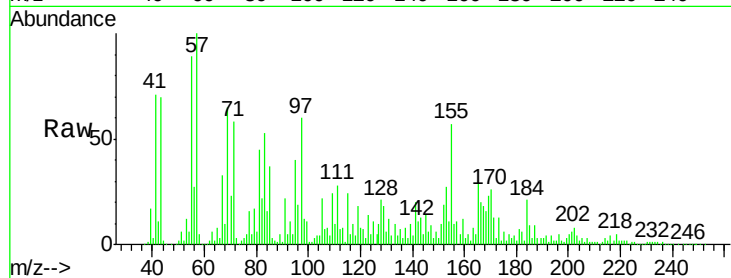




#64
 4,6-Dinitro-2-methylphenol
 Concen: 1010.60 ng
 RT: 11.48 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

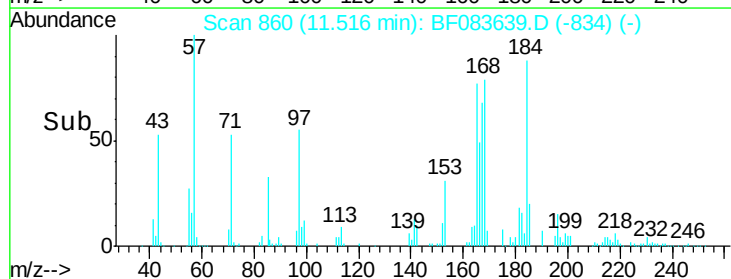
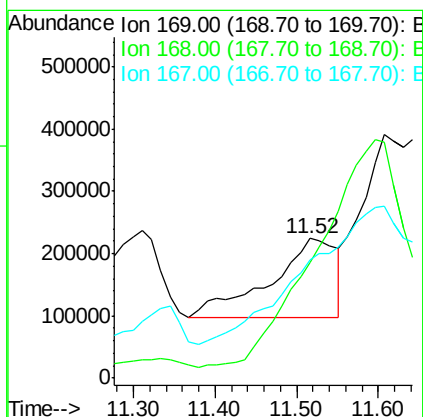
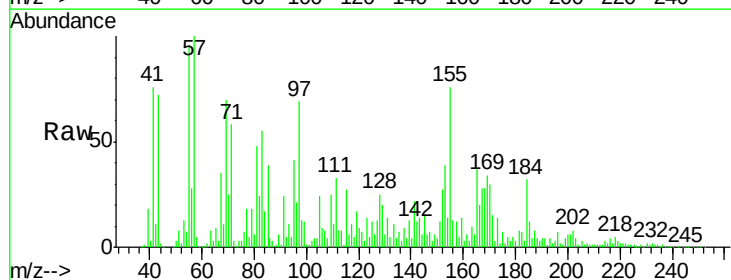
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

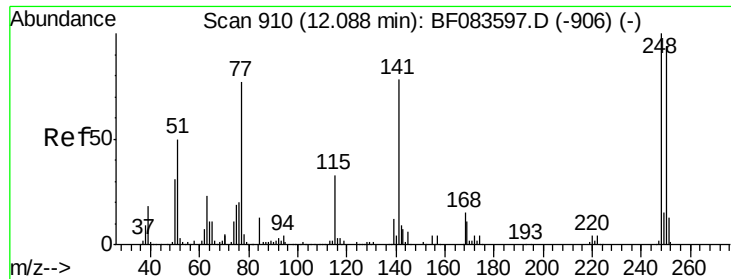
Tgt Ion:198 Resp: 57315
 Ion Ratio Lower Upper
 198 100
 51 559.7 53.8 93.8#
 105 1908.9 38.6 78.6#



#65
 n-Nitrosodiphenylamine
 Concen: 2726.53 ng
 RT: 11.52 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion:169 Resp: 720059
 Ion Ratio Lower Upper
 169 100
 168 83.1 53.0 79.6#
 167 84.2 29.3 43.9#

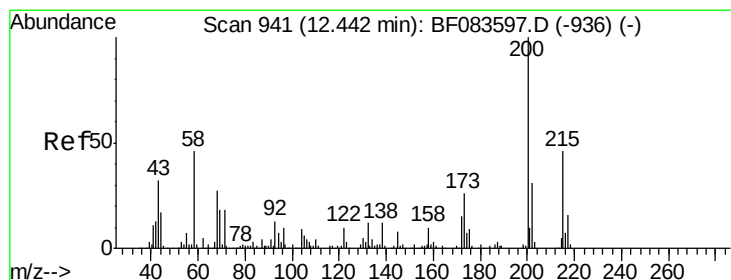
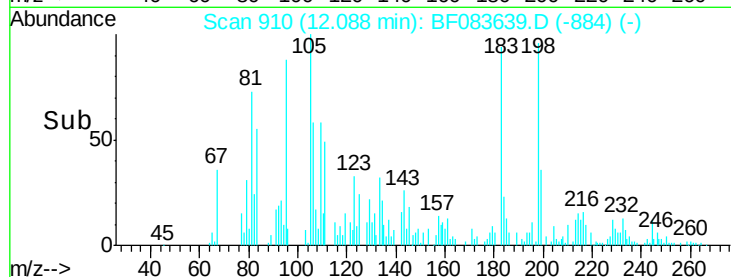
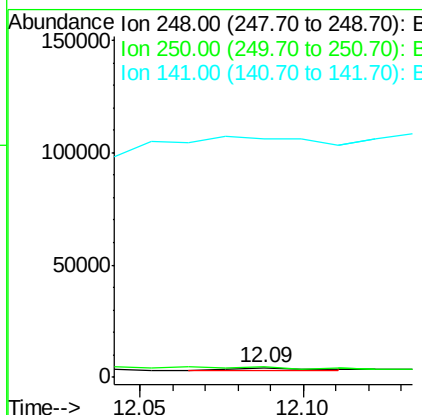
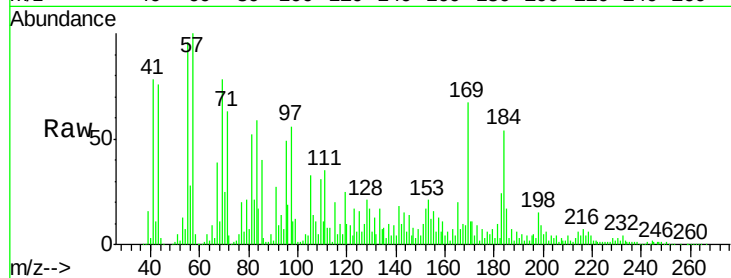




#66
4-Bromophenyl-phenylether
Concen: 16.12 ng
RT: 12.09 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

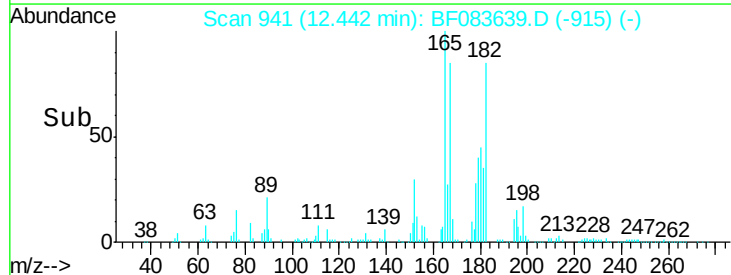
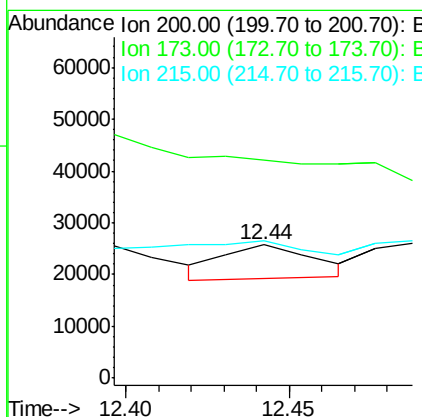
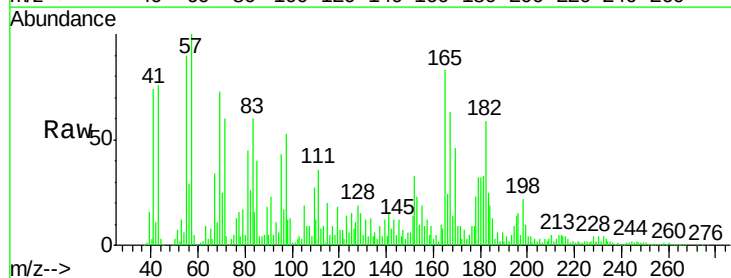
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

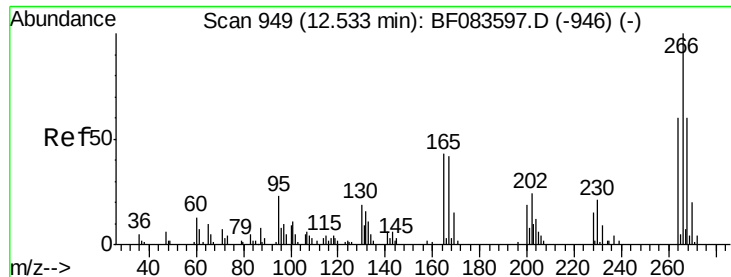
Tgt Ion:248 Resp: 1439
Ion Ratio Lower Upper
248 100
250 115.1 79.2 118.8
141 2547.3 58.2 87.4#



#68
Atrazine
Concen: 160.34 ng
RT: 12.44 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:200 Resp: 12599
Ion Ratio Lower Upper
200 100
173 163.3 7.8 47.8#
215 103.4 25.7 65.7#

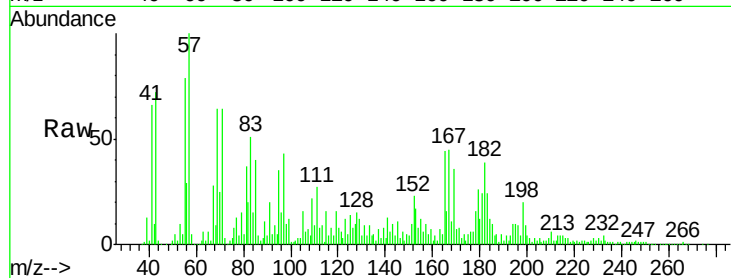




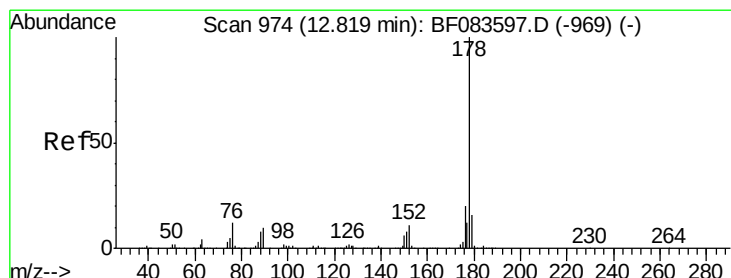
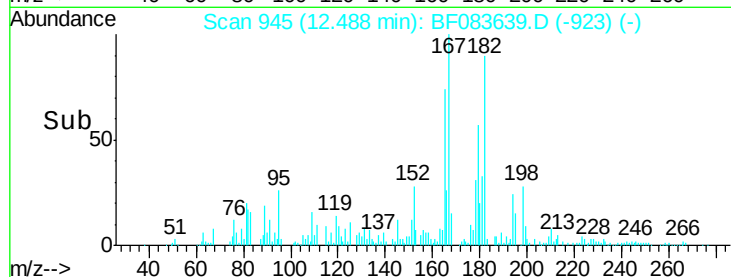
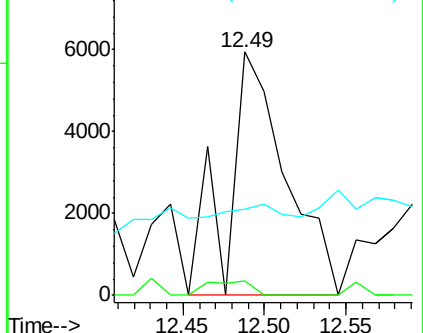
#69
 Pentachlorophenol
 Concen: 519.72 ng
 RT: 12.49 min Scan# 945
 Delta R.T. -0.05 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

Tgt Ion: 266 Resp: 14721
 Ion Ratio Lower Upper
 266 100
 268 6.1 50.2 75.2#
 264 35.5 51.4 77.2#

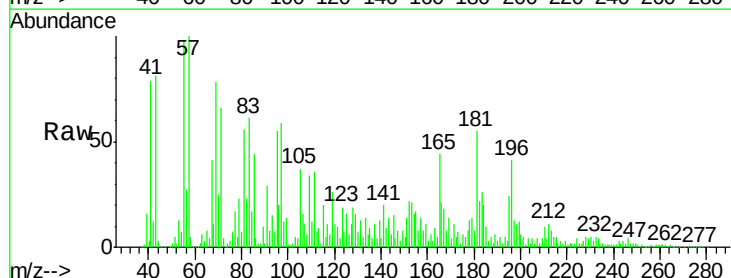


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

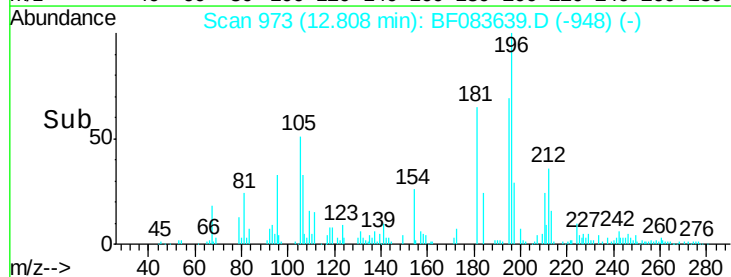
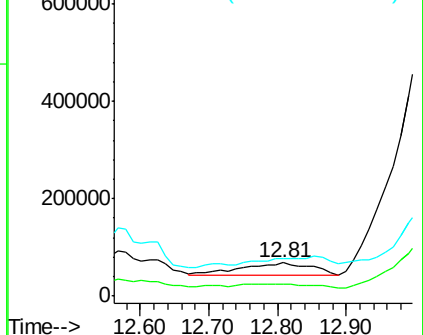


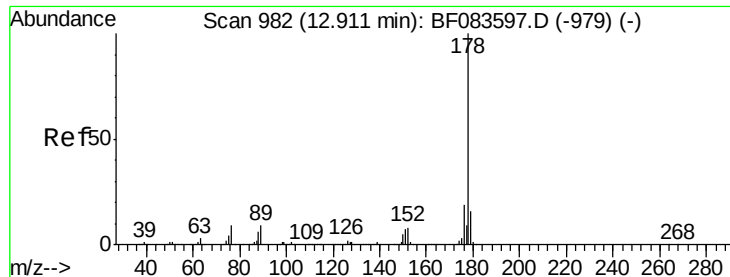
#70
 Phenanthrene
 Concen: 370.25 ng
 RT: 12.81 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion: 178 Resp: 170224
 Ion Ratio Lower Upper
 178 100
 176 37.4 15.7 23.5#
 179 111.8 12.2 18.4#



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

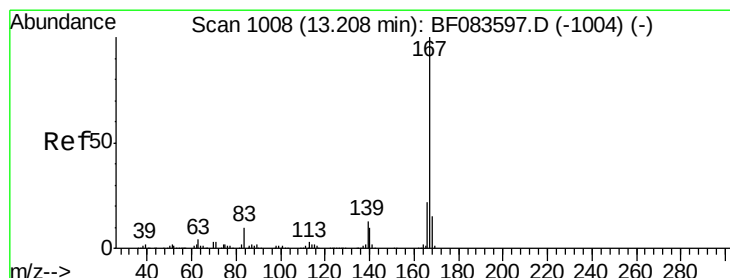
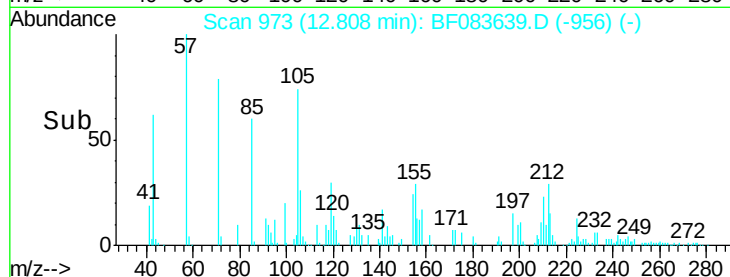
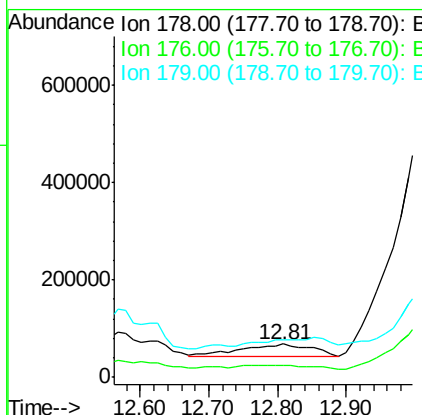
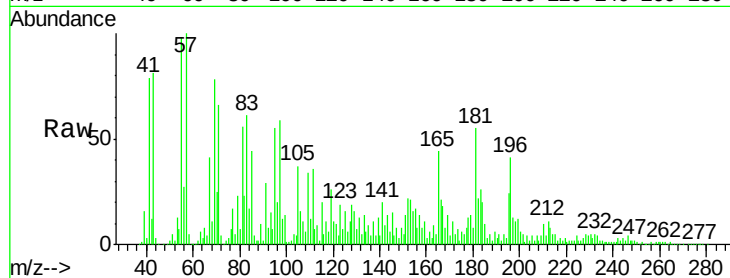




#71
 Anthracene
 Concen: 357.41 ng
 RT: 12.81 min Scan# 973
 Delta R.T. -0.10 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

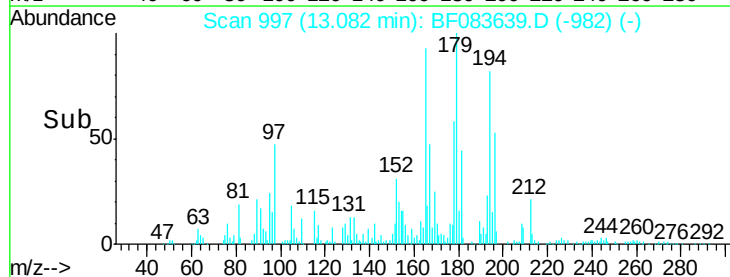
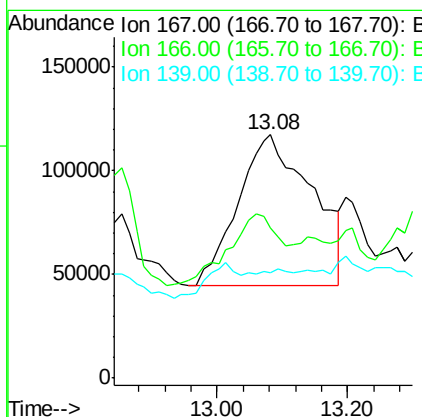
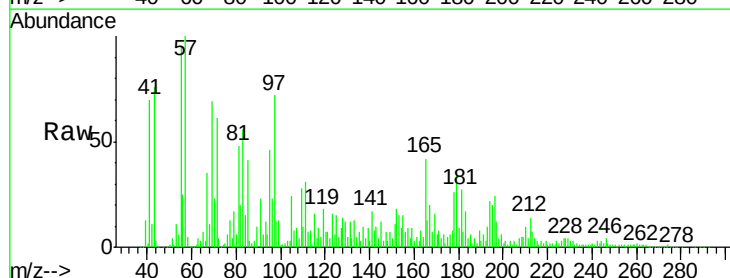
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

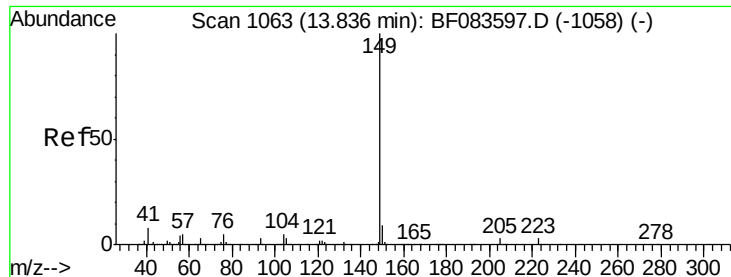
Tgt Ion:178 Resp: 170224
 Ion Ratio Lower Upper
 178 100
 176 37.4 15.2 22.8#
 179 111.8 12.6 18.8#



#72
 Carbazole
 Concen: 1408.23 ng
 RT: 13.08 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: BF083639.D
 Acq: 9 Dec 2015 14:49

Tgt Ion:167 Resp: 575161
 Ion Ratio Lower Upper
 167 100
 166 61.5 17.2 25.8#
 139 43.3 9.3 13.9#





#73

Di-n-butylphthalate

Concen: 29.69 ng

RT: 13.83 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

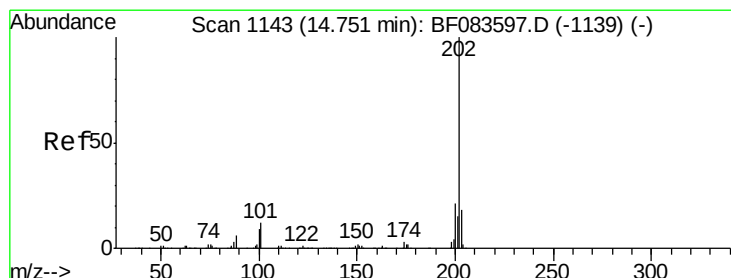
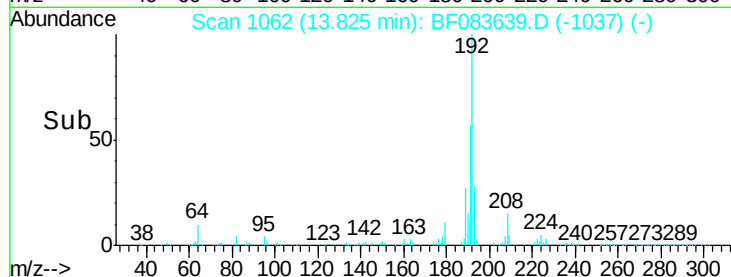
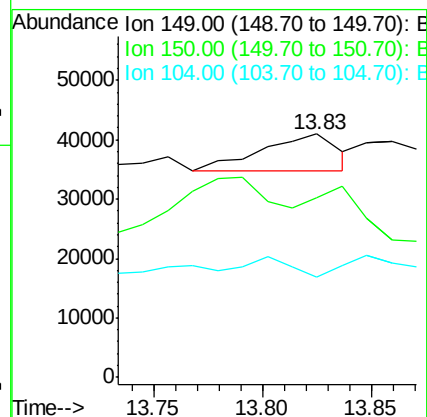
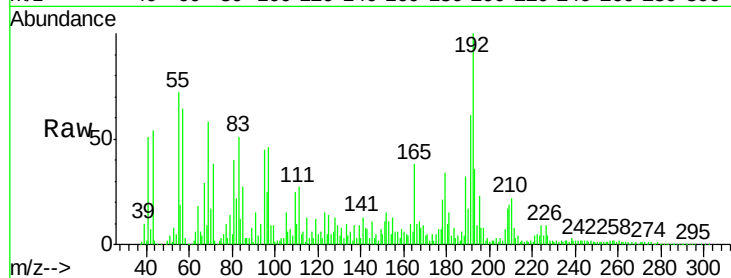
Tgt Ion:149 Resp: 15253

Ion Ratio Lower Upper

149 100

150 74.0 7.8 11.6#

104 41.2 3.9 5.9#



#74

Fluoranthene

Concen: 417.47 ng

RT: 14.87 min Scan# 1153

Delta R.T. 0.11 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

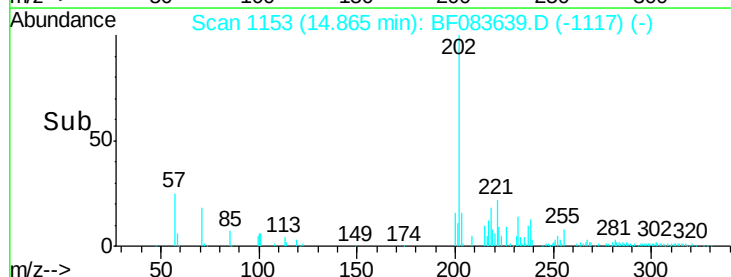
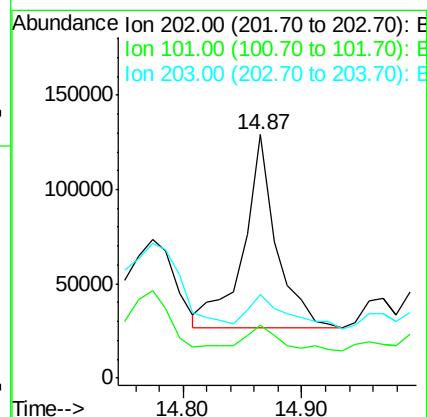
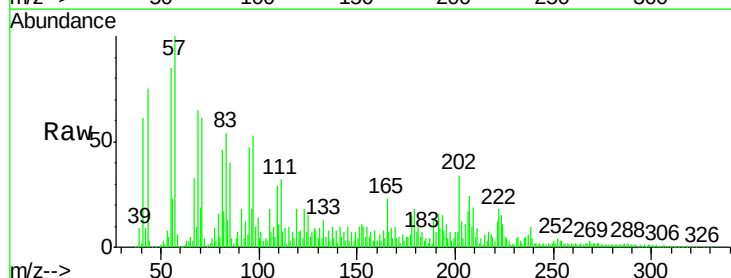
Tgt Ion:202 Resp: 196348

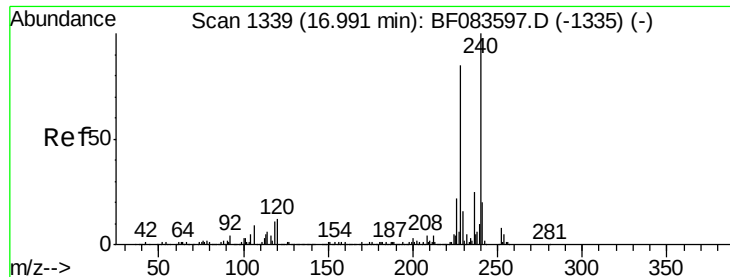
Ion Ratio Lower Upper

202 100

101 21.6 0.0 31.5

203 34.5 0.0 37.6

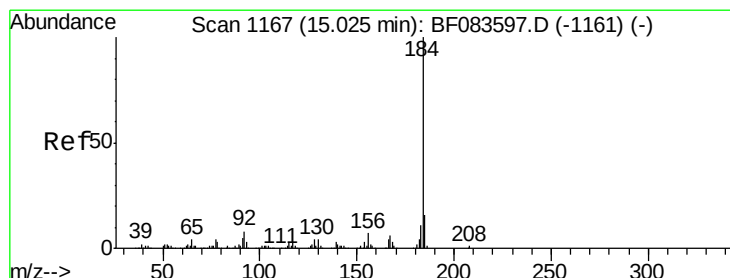
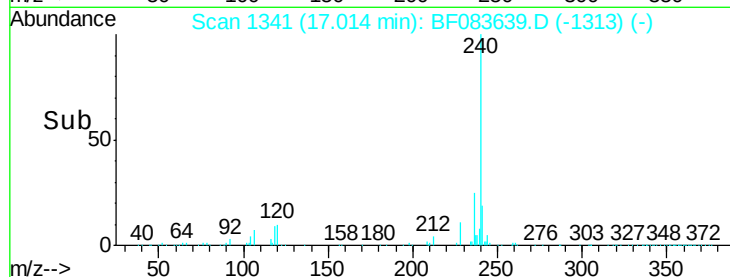
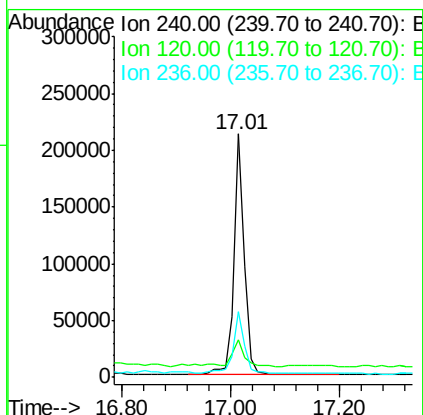
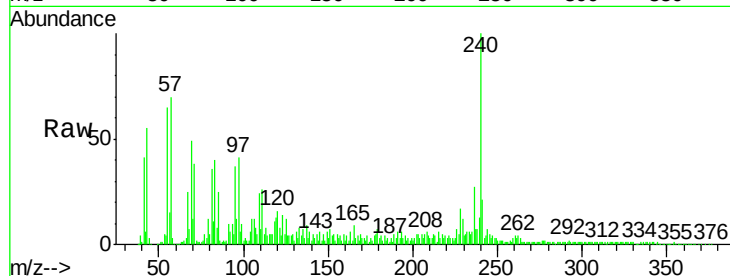




#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

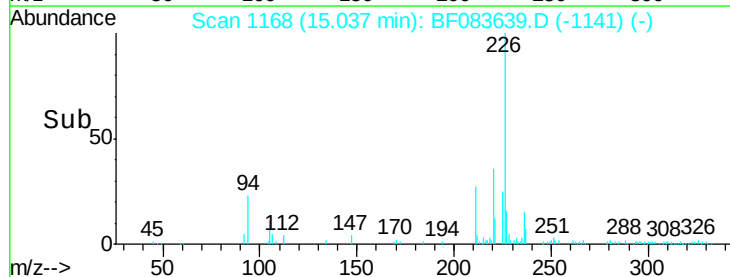
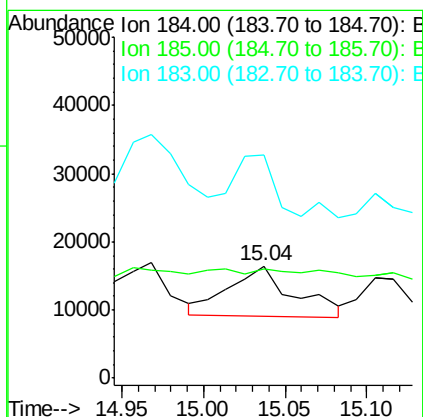
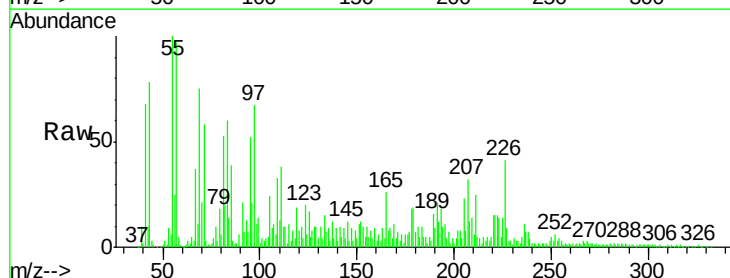
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

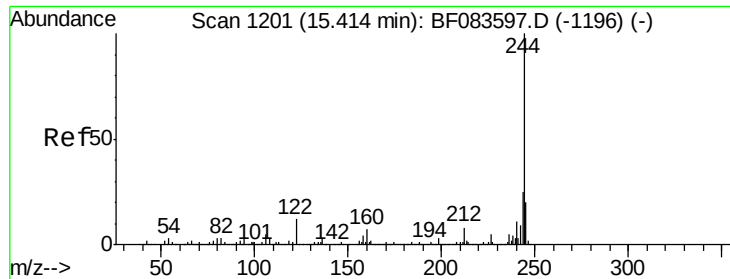
Tgt Ion:240 Resp: 274247
Ion Ratio Lower Upper
240 100
120 15.6 8.1 12.1#
236 27.1 20.8 31.2



#76
Benzidine
Concen: 2.45 ng
RT: 15.04 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF083639.D
Acq: 9 Dec 2015 14:49

Tgt Ion:184 Resp: 20899
Ion Ratio Lower Upper
184 100
185 96.7 13.0 19.6#
183 199.2 9.0 13.4#





#78

Terphenyl-d14

Concen: 53.71 ng

RT: 15.47 min Scan# 1206

Delta R.T. 0.06 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

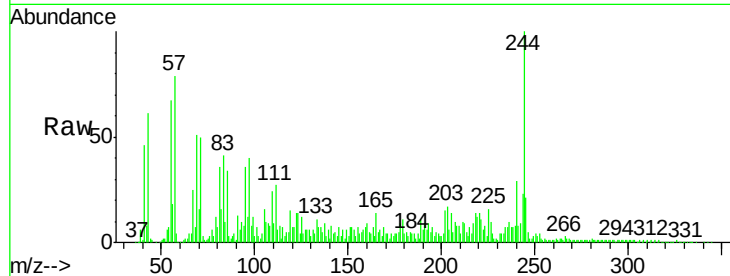
Tgt Ion:244 Resp: 626047

Ion Ratio Lower Upper

244 100

212 9.0 6.1 9.1

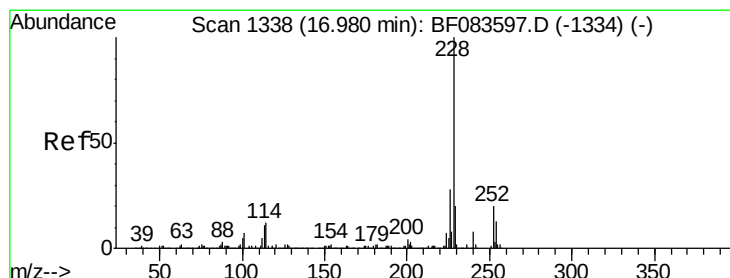
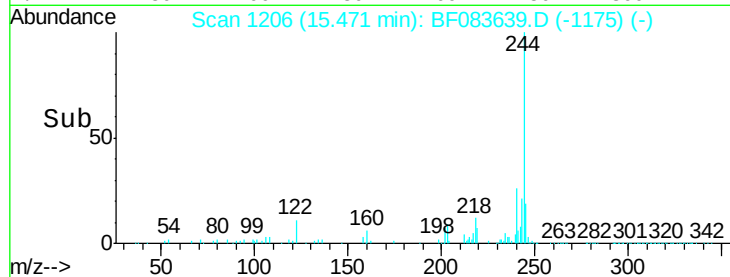
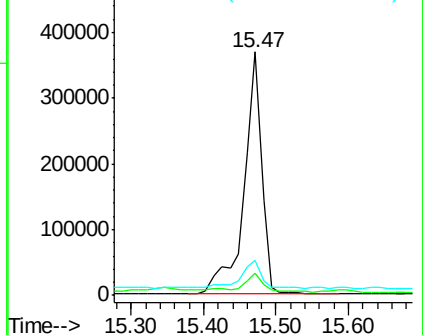
122 14.2 11.0 16.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.28 ng

RT: 17.00 min Scan# 1340

Delta R.T. 0.02 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

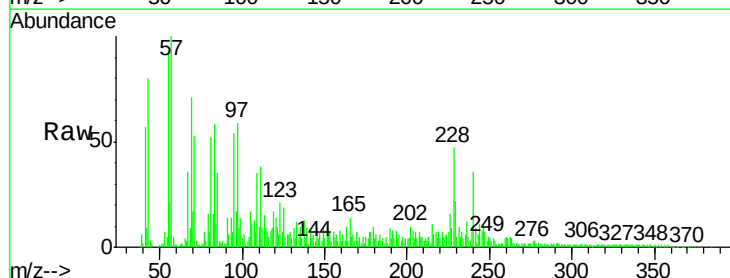
Tgt Ion:228 Resp: 100854

Ion Ratio Lower Upper

228 100

226 33.8 22.3 33.5#

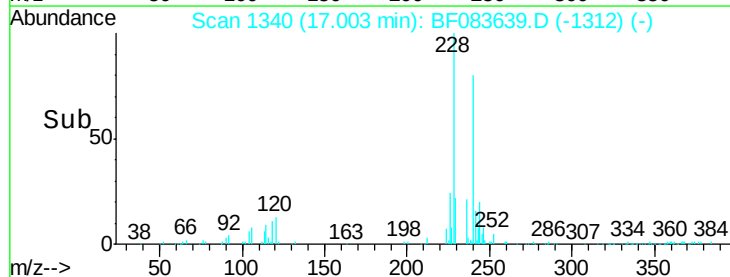
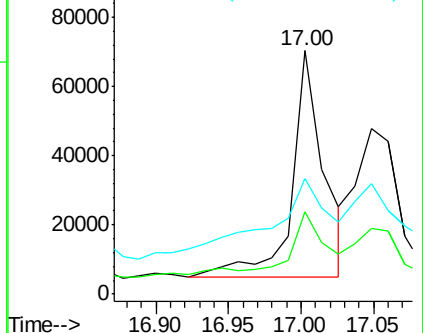
229 47.4 15.7 23.5#

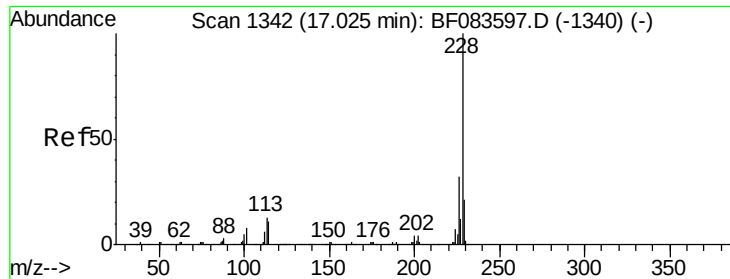


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.39 ng

RT: 17.05 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

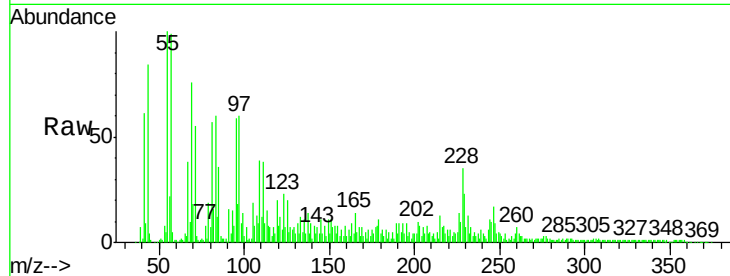
Tgt Ion:228 Resp: 86665

Ion Ratio Lower Upper

228 100

226 39.8 24.7 37.1#

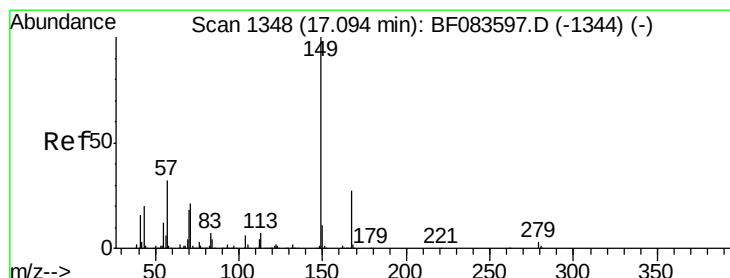
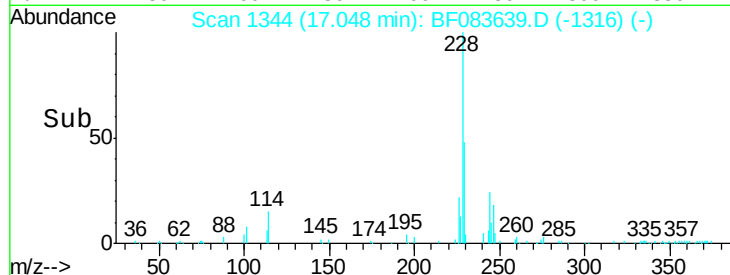
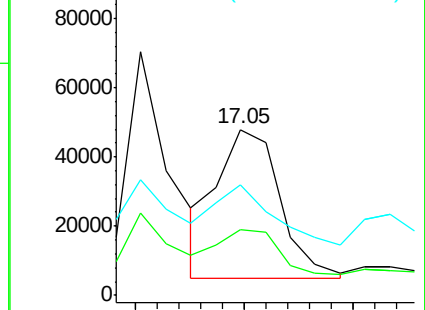
229 66.4 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.62 ng

RT: 17.09 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

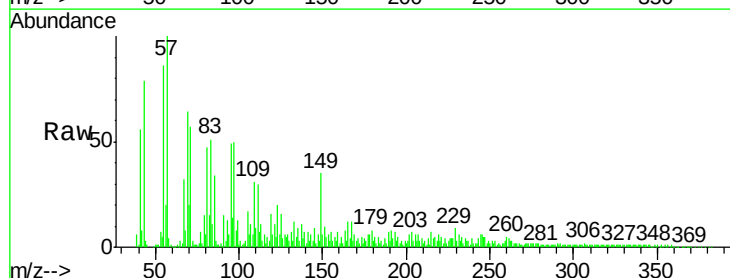
Tgt Ion:149 Resp: 56254

Ion Ratio Lower Upper

149 100

167 33.9 21.8 32.8#

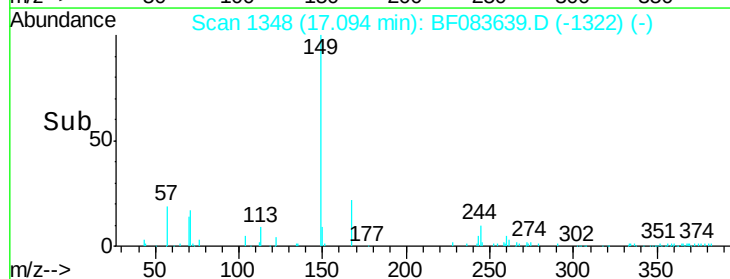
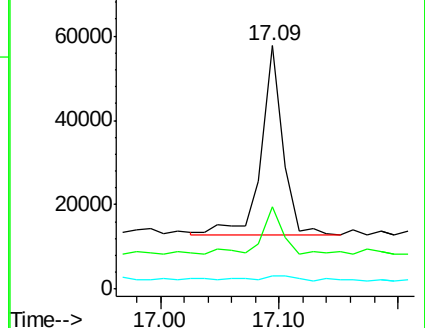
279 5.6 3.0 4.4#

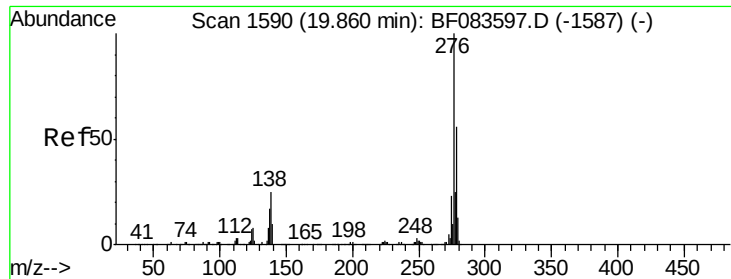


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.02 ng

RT: 19.93 min Scan# 1596

Delta R.T. 0.07 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

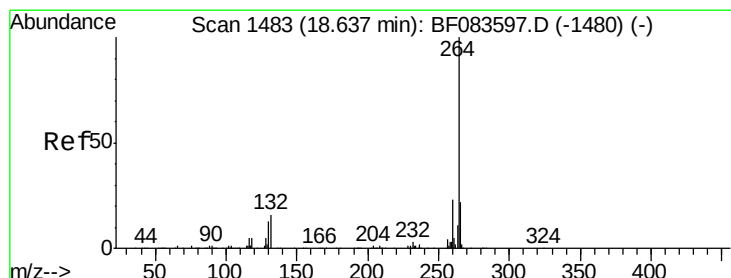
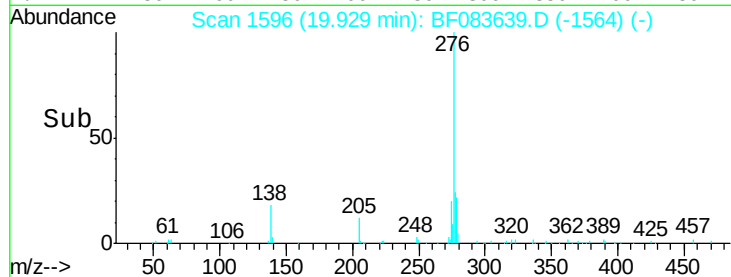
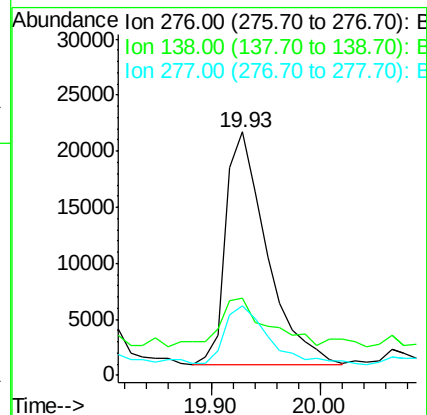
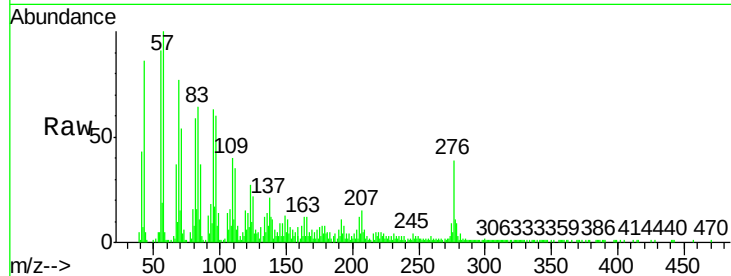
Tgt Ion:276 Resp: 54555

Ion Ratio Lower Upper

276 100

138 21.3 0.0 0.0#

277 27.0 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.65 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

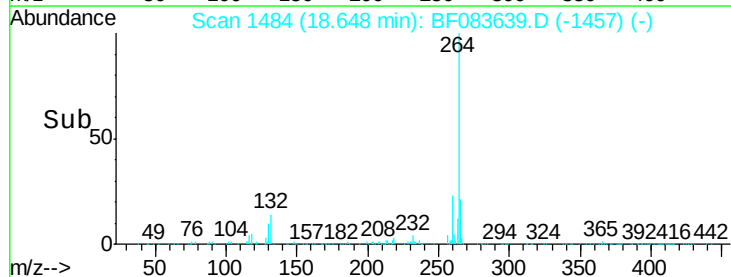
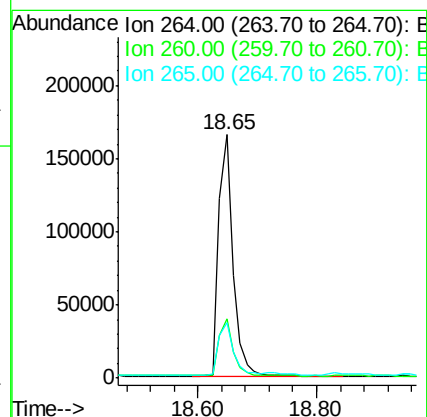
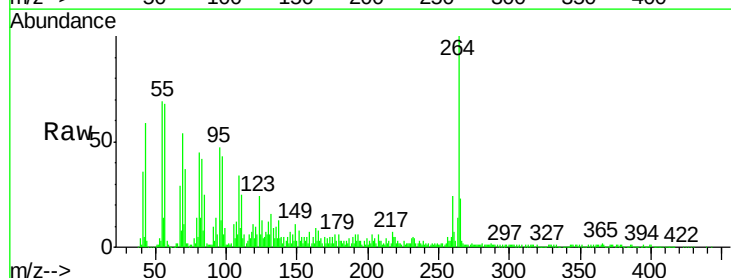
Tgt Ion:264 Resp: 274472

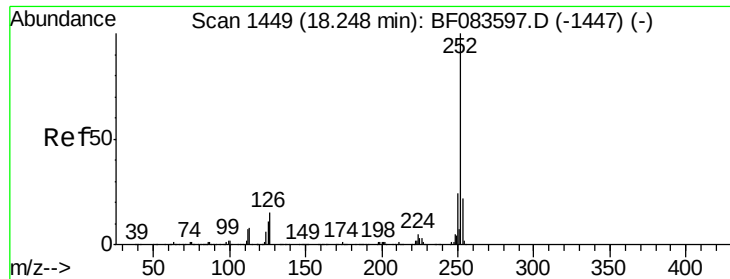
Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 22.5 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 9.21 ng

RT: 18.27 min Scan# 1451

Delta R.T. 0.02 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

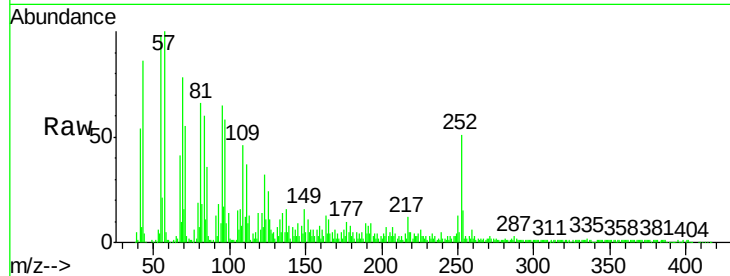
Tgt Ion:252 Resp: 143957

Ion Ratio Lower Upper

252 100

253 28.4 18.2 27.4#

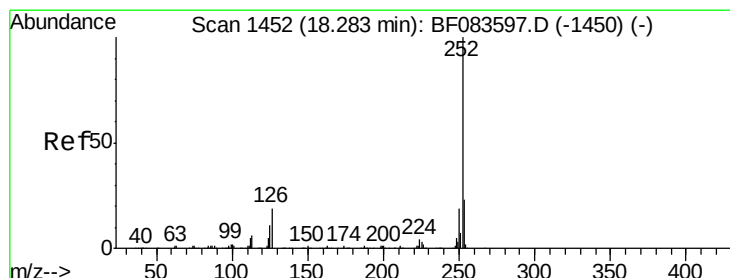
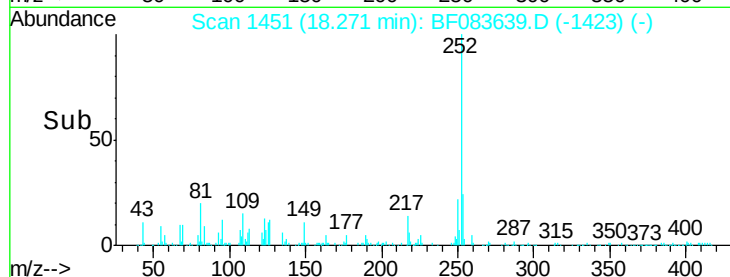
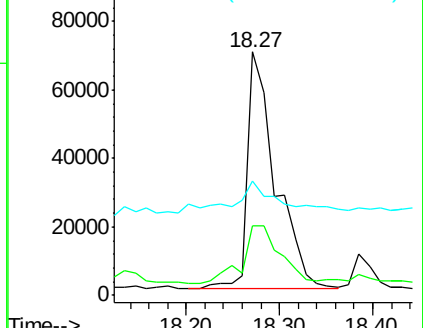
125 46.7 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.36 ng

RT: 18.27 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

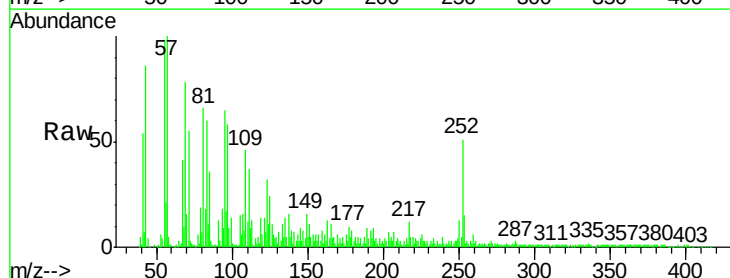
Tgt Ion:252 Resp: 143957

Ion Ratio Lower Upper

252 100

253 28.4 18.6 27.8#

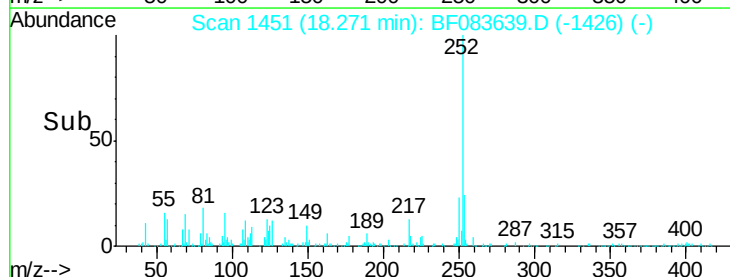
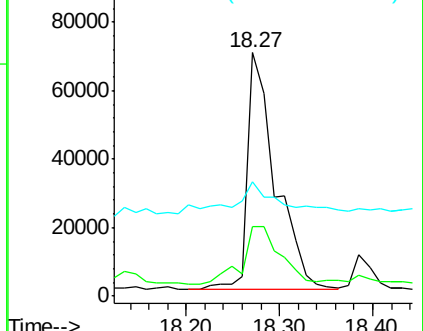
125 46.7 11.5 17.3#

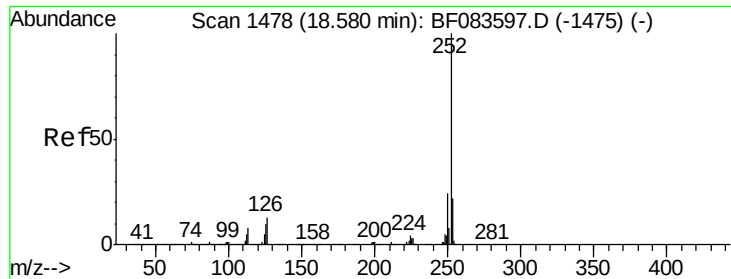


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.97 ng

RT: 18.60 min Scan# 1480

Delta R.T. 0.02 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

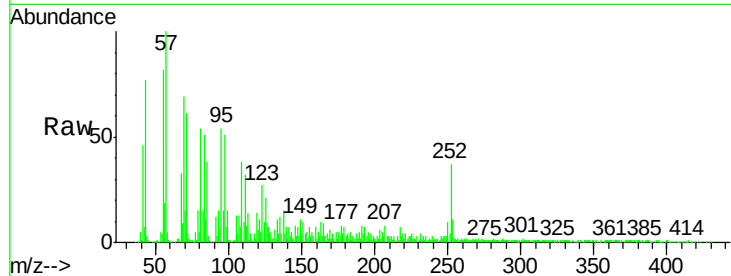
Tgt Ion:252 Resp: 60500

Ion Ratio Lower Upper

252 100

253 29.8 17.5 26.3#

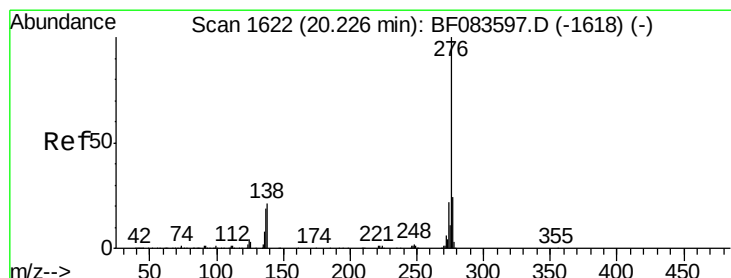
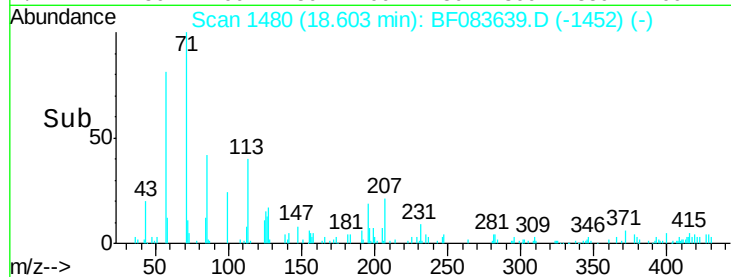
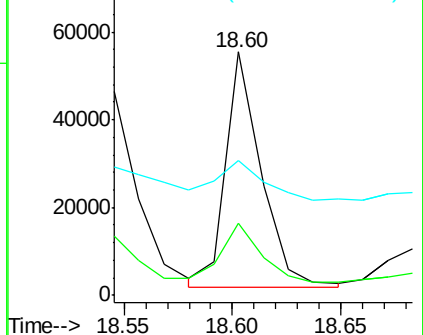
125 55.5 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.41 ng

RT: 20.29 min Scan# 1628

Delta R.T. 0.07 min

Lab File: BF083639.D

Acq: 9 Dec 2015 14:49

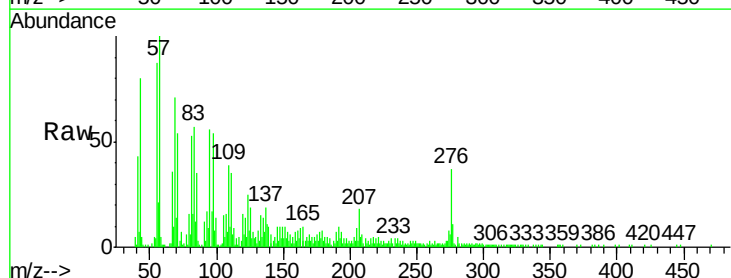
Tgt Ion:276 Resp: 50091

Ion Ratio Lower Upper

276 100

277 29.0 19.2 28.8#

138 30.9 19.5 29.3#



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

