

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083640.D
 Acq On : 9 Dec 2015 15:26
 Operator : UM/IZ
 Sample : G4561-10 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 10 00:34:18 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	123737	20.00	ng	-0.01
21) Naphthalene-d8	7.60	136	416416	20.00	ng	-0.01
38) Acenaphthene-d10	10.34	164	6825	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	249100	20.00	ng	0.03
75) Chrysene-d12	16.99	240	271439	20.00	ng	0.00
86) Perylene-d12	18.63	264	260079	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	3.98	112	108793	13.34	ng	0.01
7) Phenol-d6	5.28	99	246007	22.57	ng	0.00
23) Nitrobenzene-d5	6.52	82	145849	16.34	ng	-0.01
41) 2,4,6-Tribromophenol	11.73	330	40002	657.88	ng	0.05
44) 2-Fluorobiphenyl	9.36	172	204336	421.37	ng	0.01
78) Terphenyl-d14	15.41	244	180576	15.65	ng	0.00

Target Compounds

						Qvalue
18) Hexachloroethane	6.51	117	180240	50.03	ng	# 22
19) n-Nitroso-di-n-propylamine	6.29	70	32093	4.22	ng	# 74
22) Acetophenone	6.19	105	61786	5.29	ng	# 76
25) Isophorone	6.86	82	238208	13.75	ng	# 1
26) 2-Nitrophenol	7.07	139	22515	5.75	ng	# 1
28) bis(2-Chloroethoxy)methane	7.26	93	52136	5.42	ng	# 1
29) 2,4-Dichlorophenol	7.40	162	33514	5.38	ng	# 1
31) Naphthalene	7.61	128	120281	5.45	ng	# 1
32) Benzoic acid	7.47	122	13099	5.83	ng	# 1
33) 4-Chloroaniline	7.70	127	21749	2.70	ng	# 1
35) Caprolactam	8.41	113	361318	193.21	ng	# 8
37) 2-Methylnaphthalene	8.91	142	1424985	102.86	ng	# 90
42) 2,4,6-Trichlorophenol	9.28	196	12528	94.70	ng	# 13
43) 2,4,5-Trichlorophenol	9.28	196	12359	93.63	ng	# 1
45) 1,1'-Biphenyl	9.39	154	11035	18.60	ng	# 1
46) 2-Chloronaphthalene	9.42	162	10235	22.85	ng	# 1
47) 2-Nitroaniline	9.73	65	10688	66.17	ng	# 8
48) Acenaphthylene	10.10	152	168861	228.65	ng	# 1
49) Dimethylphthalate	10.00	163	27937	51.42	ng	# 1
50) 2,6-Dinitrotoluene	10.10	165	10501	93.62	ng	# 1
51) Acenaphthene	10.48	154	221336	523.50	ng	# 86
52) 3-Nitroaniline	10.35	138	13914	116.72	ng	# 33
53) 2,4-Dinitrophenol	10.60	184	1725	34.50	ng	# 1
54) Dibenzofuran	10.69	168	66940	114.17	ng	# 31
55) 4-Nitrophenol	10.77	139	165212	3147.74	ng	# 39
56) 2,4-Dinitrotoluene	10.70	165	36572	245.84	ng	# 67
57) Fluorene	11.17	166	69206	135.25	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.93	232	2881	27.49	ng	# 100
59) Diethylphthalate	11.17	149	23956	45.35	ng	# 1
60) 4-Chlorophenyl-phenylether	11.30	204	26938	110.58	ng	# 1
61) 4-Nitroaniline	11.17	138	27139	250.58	ng	# 87
62) Azobenzene	11.54	77	16951	29.16	ng	# 35
64) 4,6-Dinitro-2-methylphenol	11.47	198	4806	4.66	ng	# 1
65) n-Nitrosodiphenylamine	11.55	169	905777	110.18	ng	# 49

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

Quant Time: Dec 10 00:34:18 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

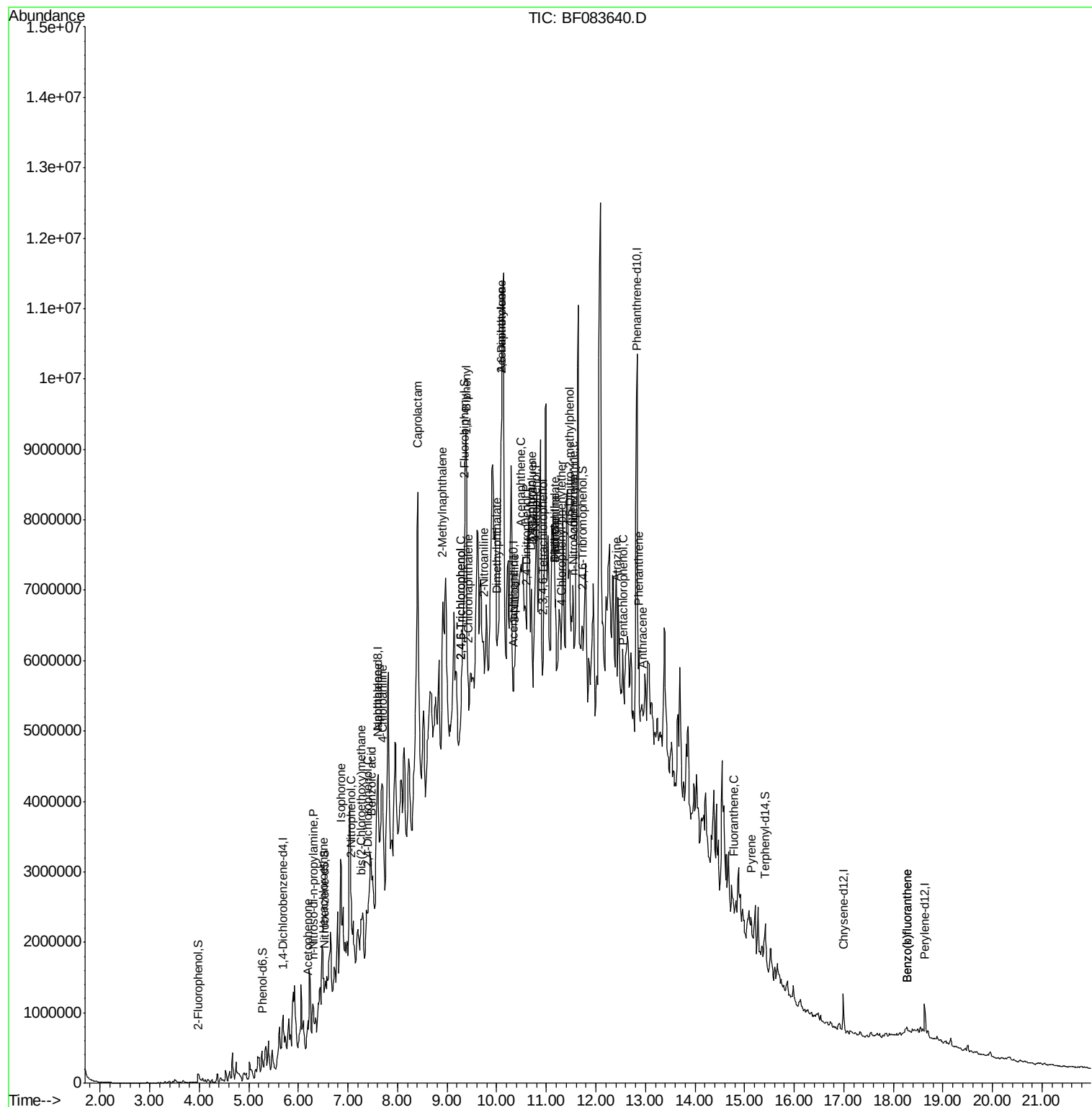
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	12.42	200	36282	14.83	ng	# 44
69) Pentachlorophenol	12.56	266	503	8.74	ng	# 1
70) Phenanthrene	12.86	178	800367	55.92	ng	# 94
71) Anthracene	12.94	178	142493	9.61	ng	# 1
74) Fluoranthene	14.77	202	68440	4.67	ng	66
77) Pyrene	15.13	202	184197	9.43	ng	# 86
87) Benzo(b)fluoranthene	18.27	252	34988	2.36	ng	# 57
88) Benzo(k)fluoranthene	18.27	252	35046	2.15	ng	# 58

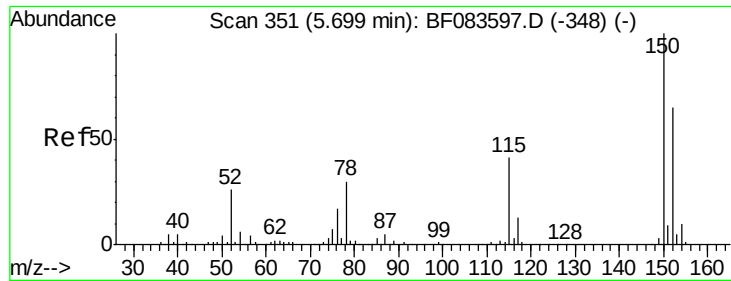
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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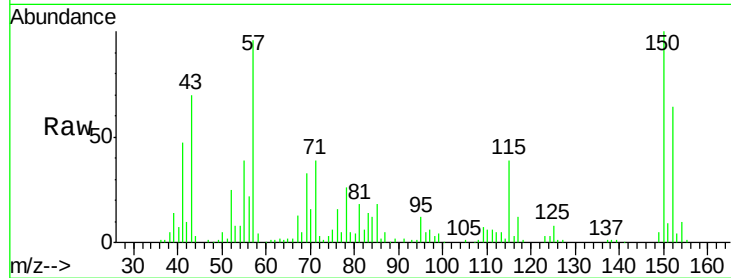


#1

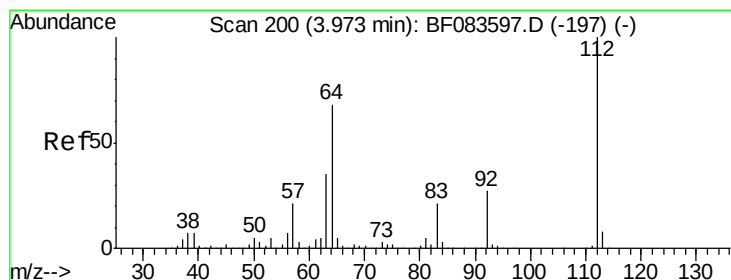
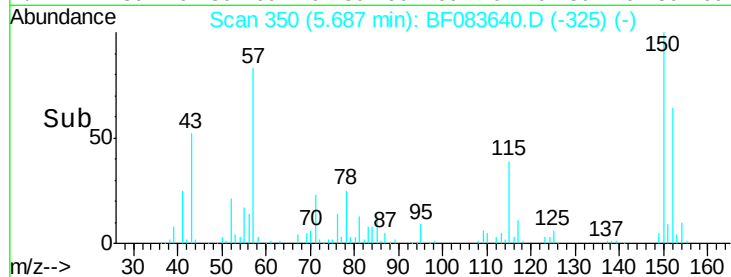
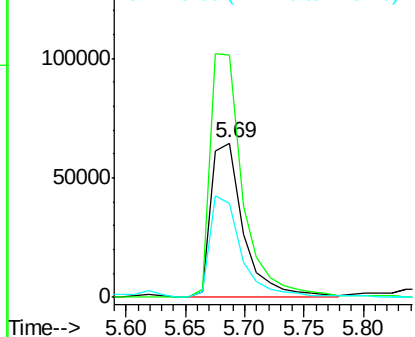
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.69 min Scan# 350
Delta R.T. -0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

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

Tgt Ion:152 Resp: 123737
Ion Ratio Lower Upper
152 100
150 156.4 126.5 189.7
115 60.7 52.3 78.5



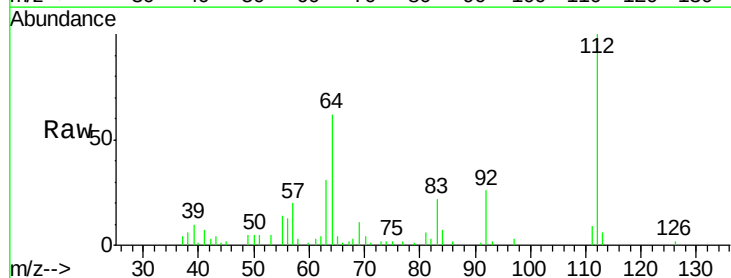
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



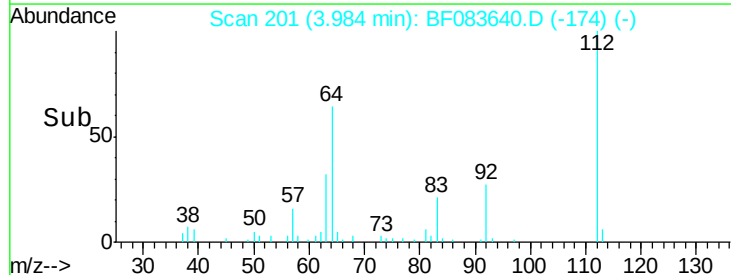
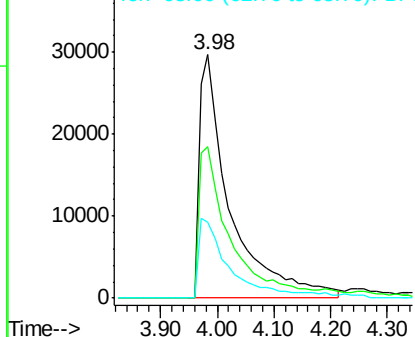
#5

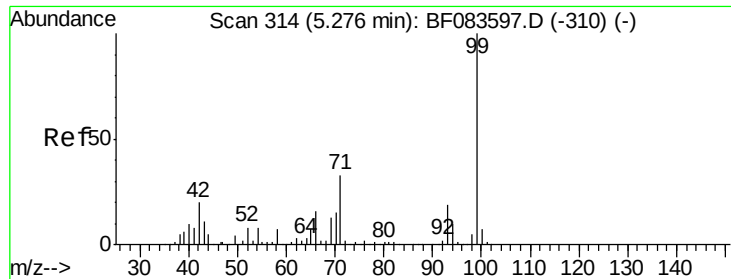
2-Fluorophenol
Concen: 13.34 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion:112 Resp: 108793
Ion Ratio Lower Upper
112 100
64 62.3 50.5 75.7
63 31.3 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.57 ng

RT: 5.28 min Scan# 314

Delta R.T. -0.00 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

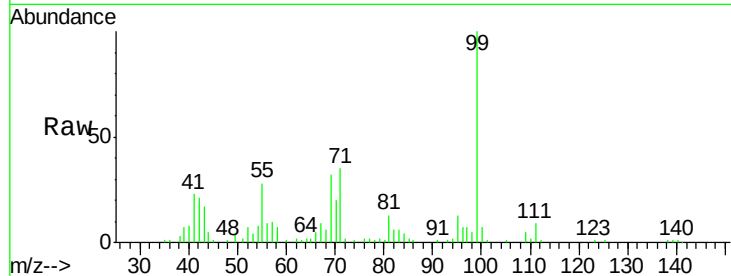
Tgt Ion: 99 Resp: 246007

Ion Ratio Lower Upper

99 100

42 21.3 17.3 25.9

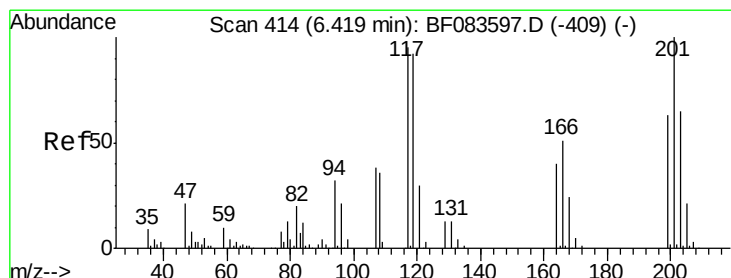
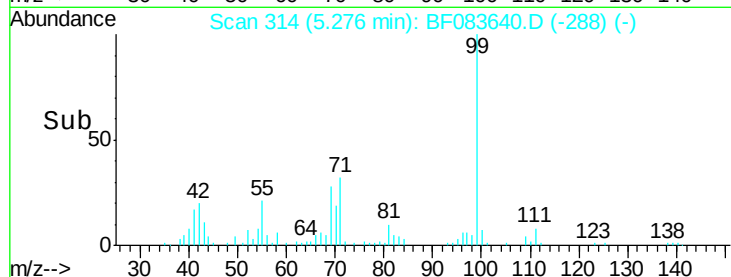
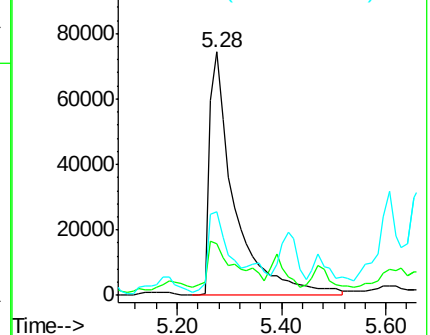
71 34.6 26.6 40.0



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



#18

Hexachloroethane

Concen: 50.03 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.09 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

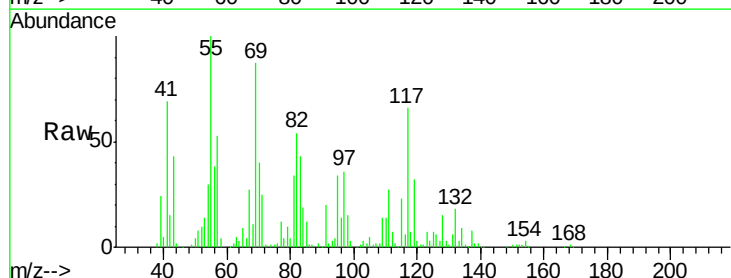
Tgt Ion: 117 Resp: 180240

Ion Ratio Lower Upper

117 100

119 48.8 77.2 115.8#

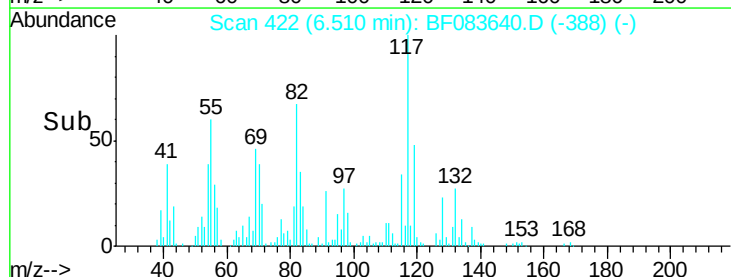
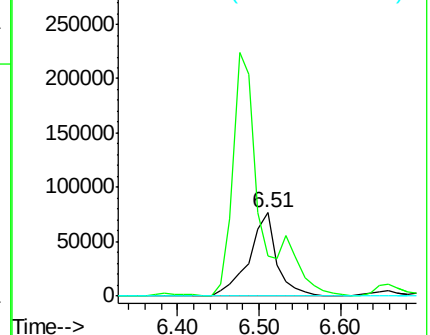
201 0.0 86.8 130.2#

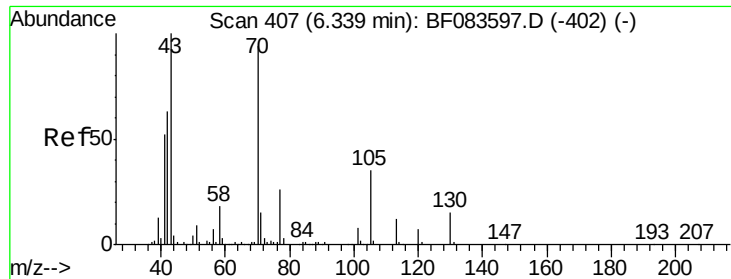


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

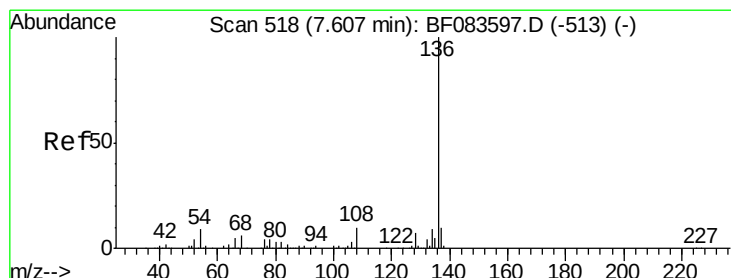
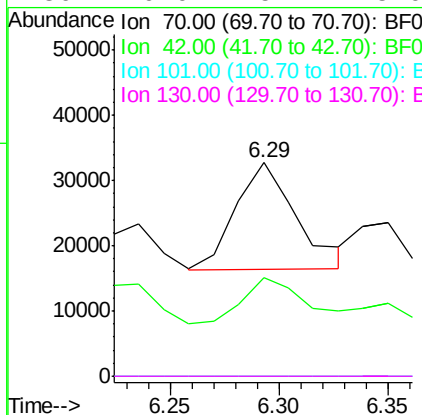
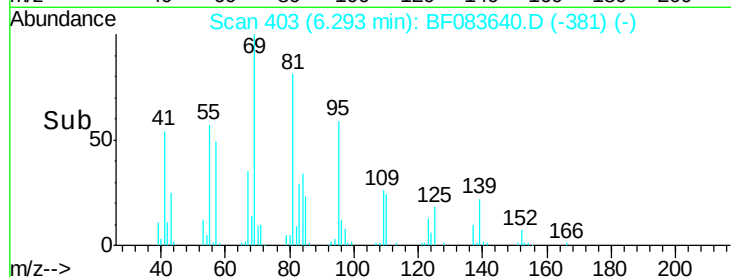
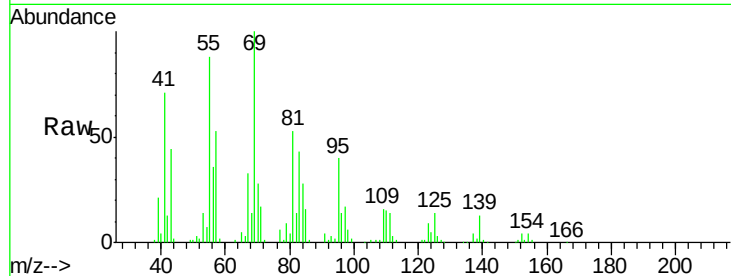




#19
n-Nitroso-di-n-propylamine
Concen: 4.22 ng
RT: 6.29 min Scan# 403
Delta R.T. -0.05 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

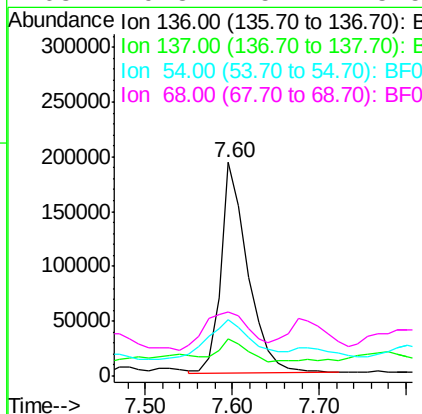
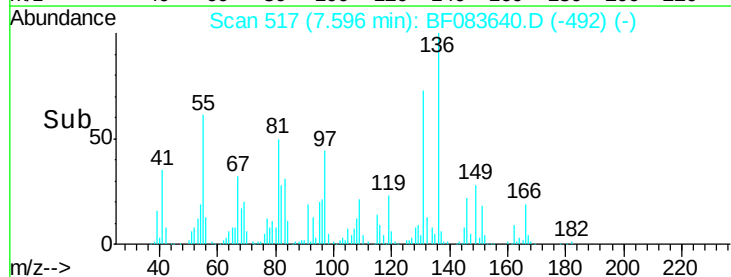
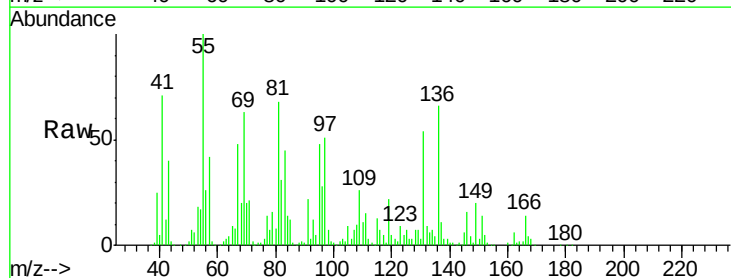
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

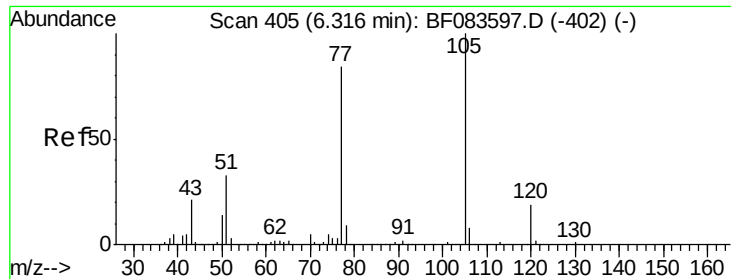
Tgt Ion: 70 Resp: 32093
Ion Ratio Lower Upper
70 100
42 45.9 49.2 73.8#
101 0.0 7.1 10.7#
130 0.0 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.60 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion: 136 Resp: 416416
Ion Ratio Lower Upper
136 100
137 17.5 8.7 13.1#
54 26.4 7.8 11.6#
68 29.8 5.7 8.5#





#22

Acetophenone

Concen: 5.29 ng

RT: 6.19 min Scan# 394

Delta R.T. -0.13 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

Tgt Ion:105 Resp: 61786

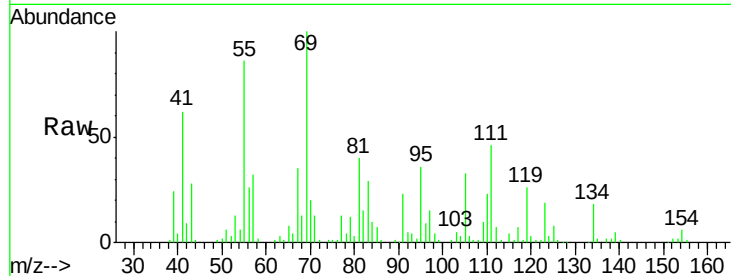
Ion Ratio Lower Upper

105 100

71 37.6 1.3 1.9#

51 19.5 23.8 35.8#

120 9.1 16.7 25.1#

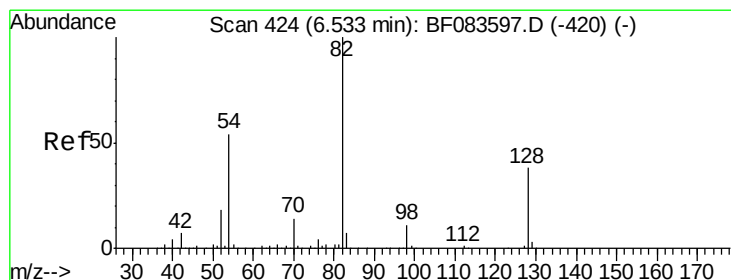
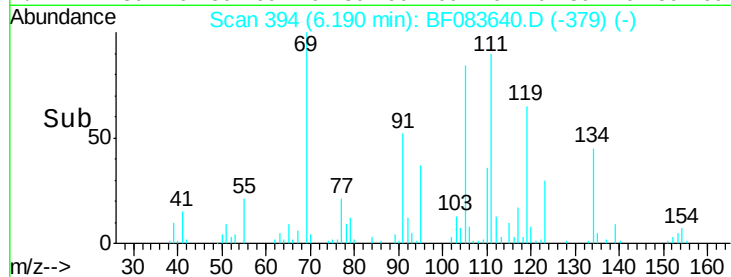
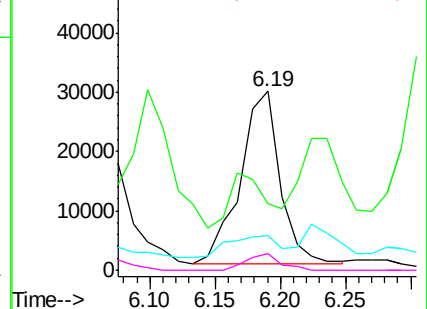


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 16.34 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

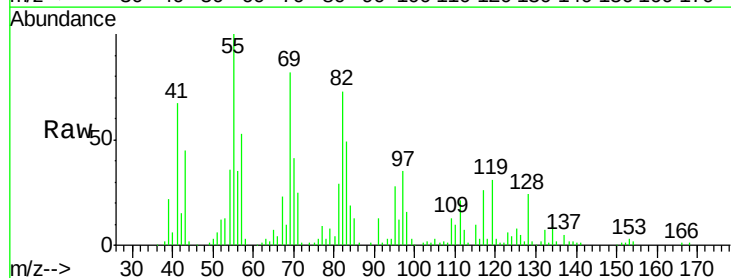
Tgt Ion: 82 Resp: 145849

Ion Ratio Lower Upper

82 100

128 33.5 30.7 46.1

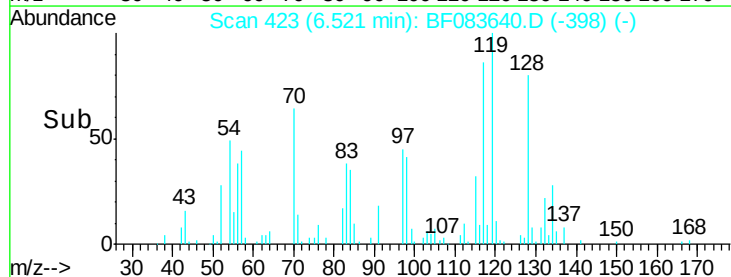
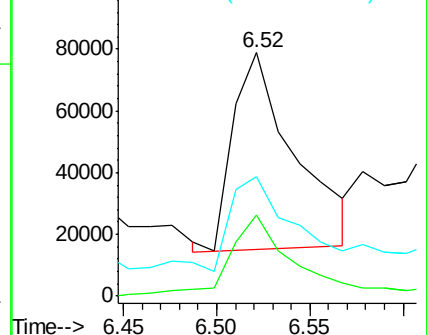
54 49.1 42.5 63.7

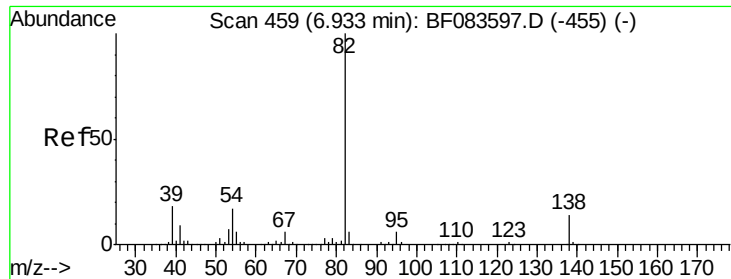


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 13.75 ng

RT: 6.86 min Scan# 453

Delta R.T. -0.07 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

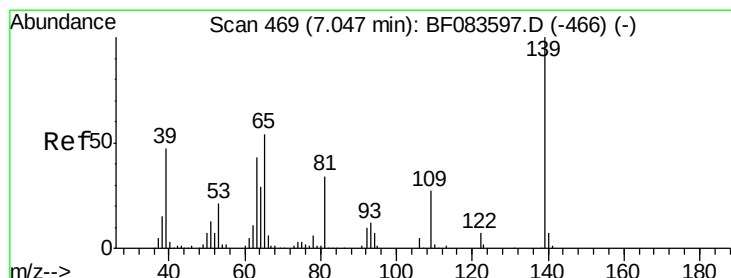
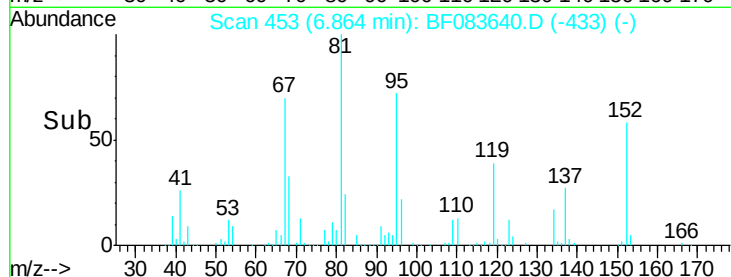
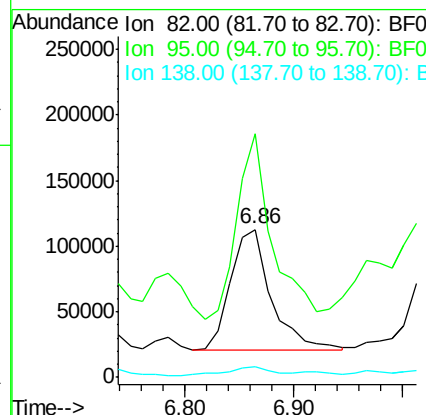
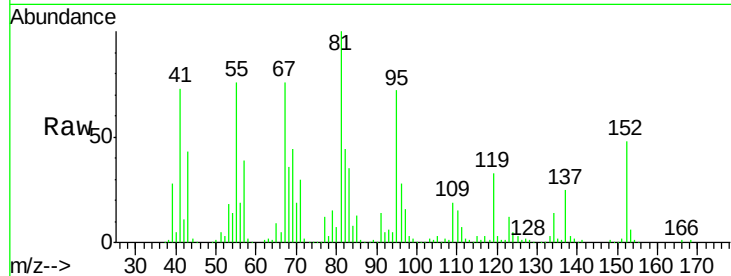
Tgt Ion: 82 Resp: 238208

Ion Ratio Lower Upper

82 100

95 164.2 5.0 7.4#

138 7.0 12.1 18.1#



#26

2-Nitrophenol

Concen: 5.75 ng

RT: 7.07 min Scan# 471

Delta R.T. 0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

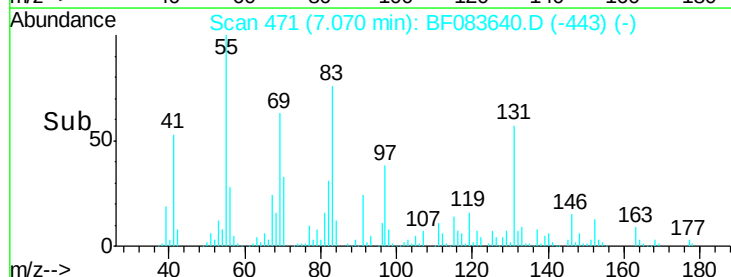
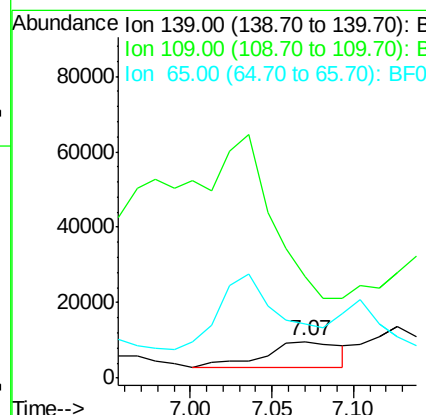
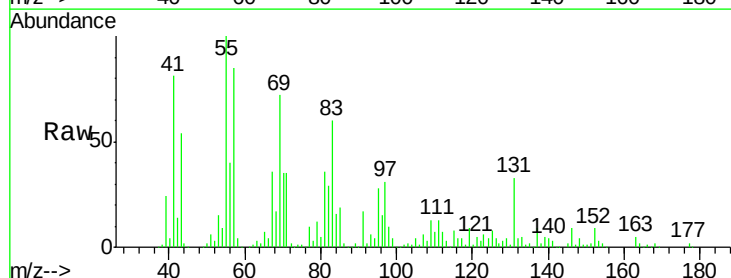
Tgt Ion: 139 Resp: 22515

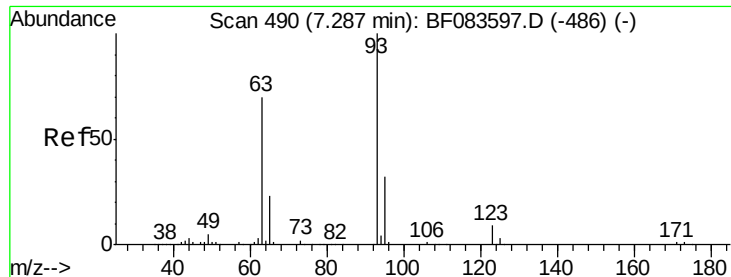
Ion Ratio Lower Upper

139 100

109 277.9 22.7 34.1#

65 147.7 51.8 77.8#

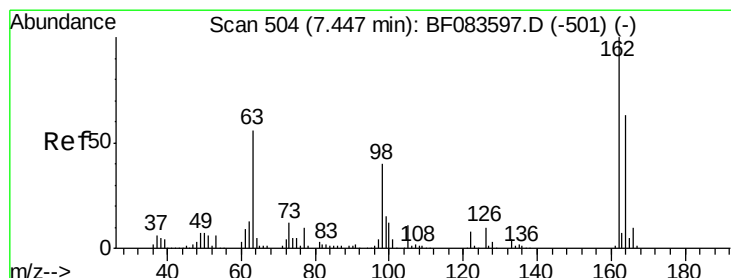
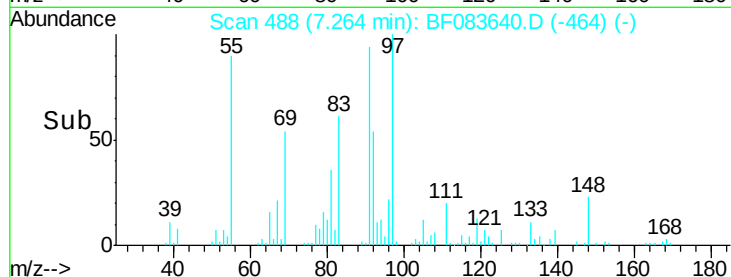
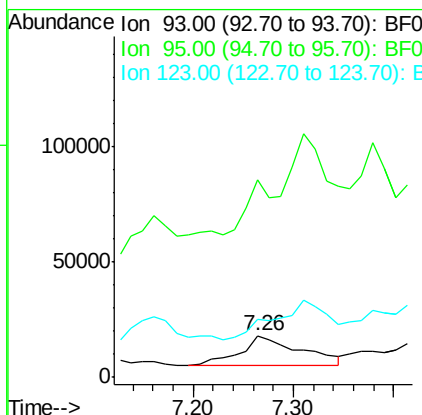
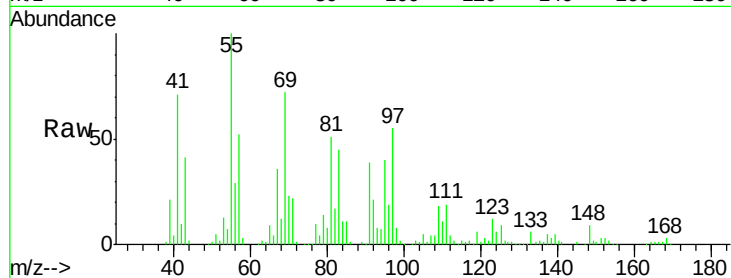




#28
bis(2-Chloroethoxy)methane
Concen: 5.42 ng
RT: 7.26 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

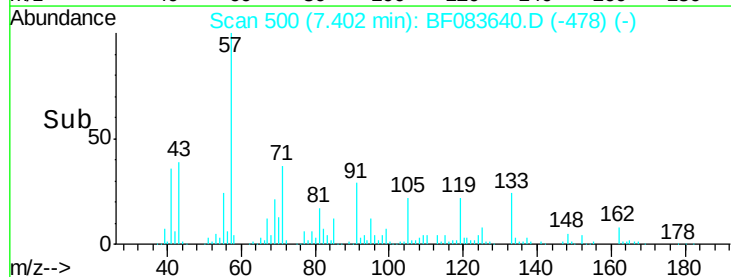
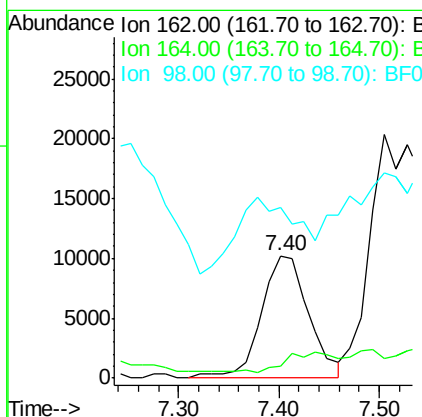
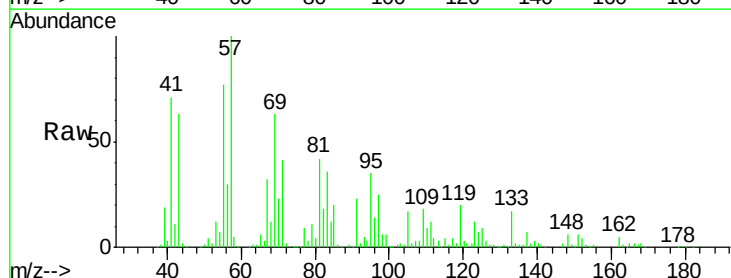
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

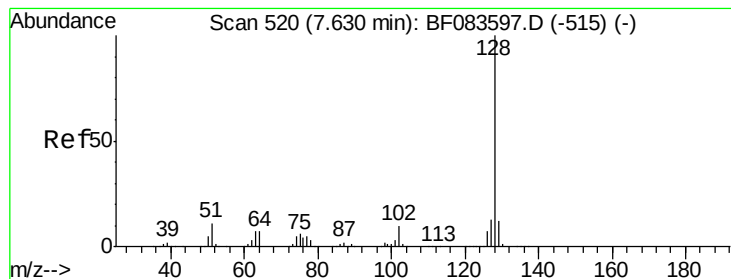
Tgt Ion: 93 Resp: 52136
Ion Ratio Lower Upper
93 100
95 475.6 25.6 38.4#
123 138.7 7.3 10.9#



#29
2,4-Dichlorophenol
Concen: 5.38 ng
RT: 7.40 min Scan# 500
Delta R.T. -0.05 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion: 162 Resp: 33514
Ion Ratio Lower Upper
162 100
164 9.5 43.4 83.4#
98 139.3 17.5 57.5#





#31

Naphthalene

Concen: 5.45 ng

RT: 7.61 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

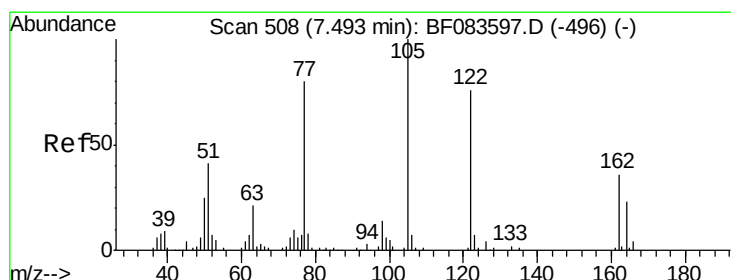
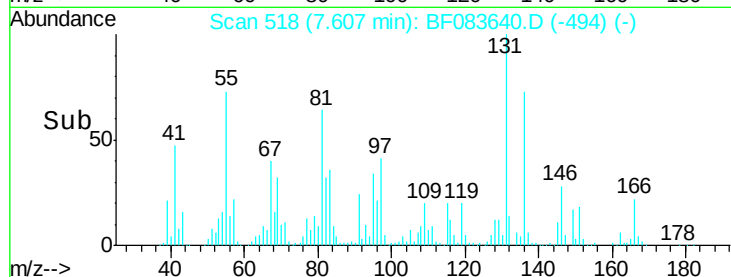
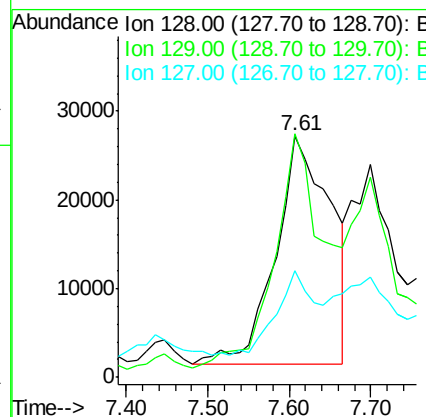
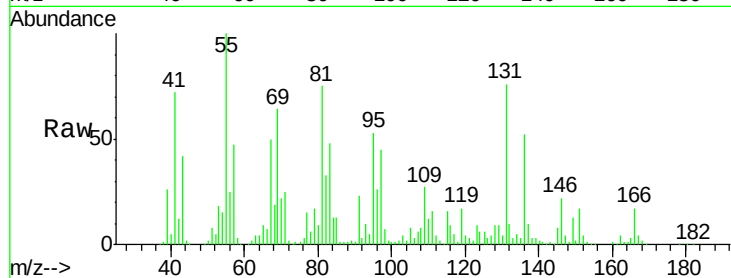
Tgt Ion:128 Resp: 120281

Ion Ratio Lower Upper

128 100

129 100.9 8.6 13.0#

127 44.2 10.6 16.0#



#32

Benzoic acid

Concen: 5.83 ng

RT: 7.47 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

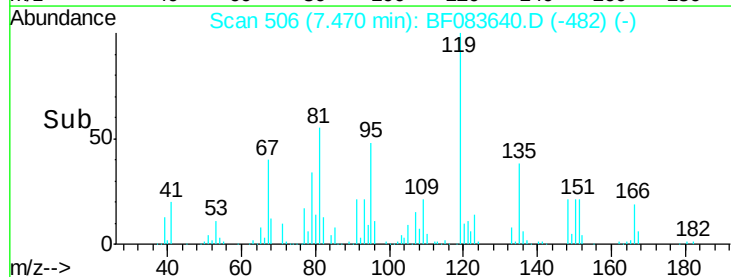
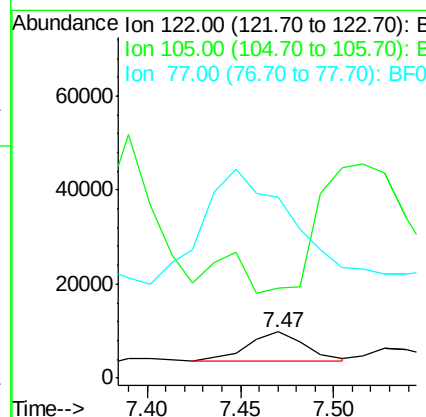
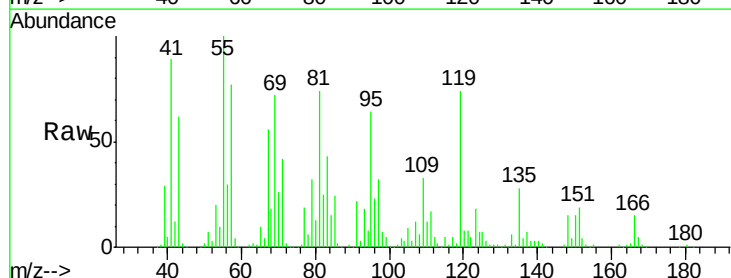
Tgt Ion:122 Resp: 13099

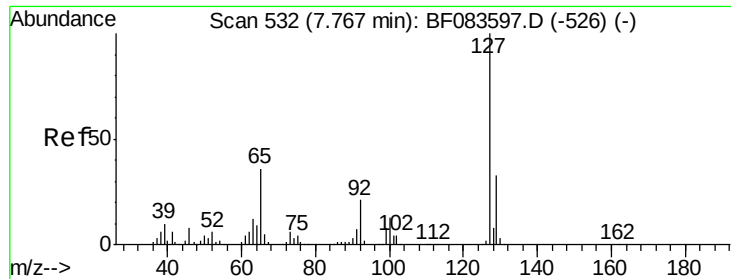
Ion Ratio Lower Upper

122 100

105 193.3 105.6 145.6#

77 391.6 86.8 126.8#

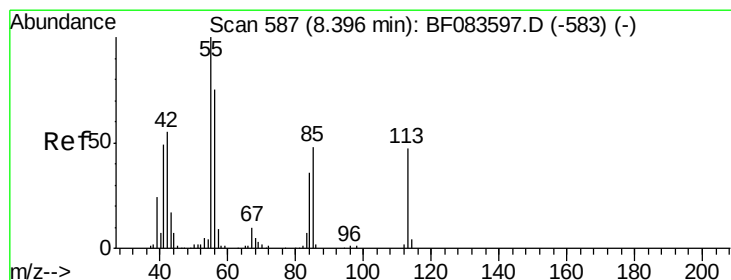
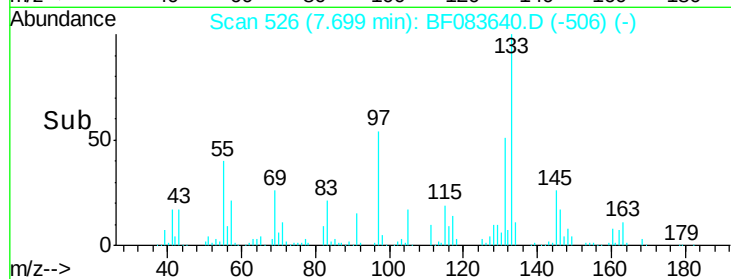
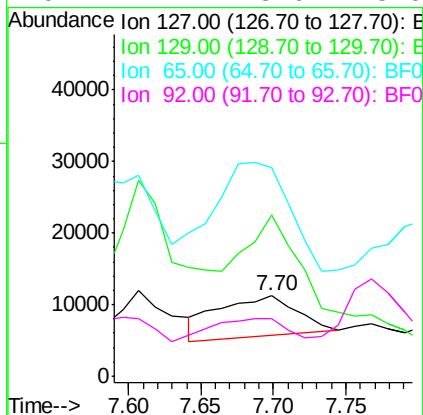
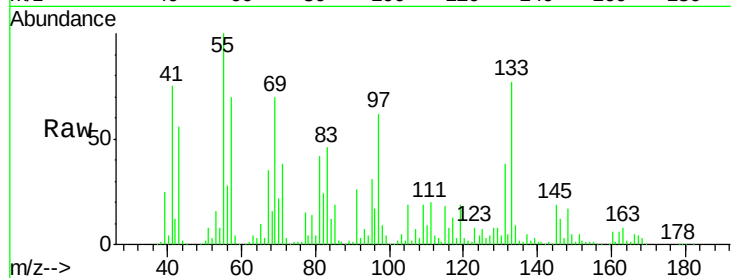




#33
4-Chloroaniline
Concen: 2.70 ng
RT: 7.70 min Scan# 526
Delta R.T. -0.07 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

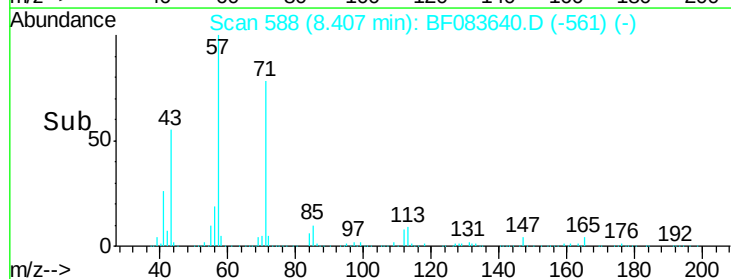
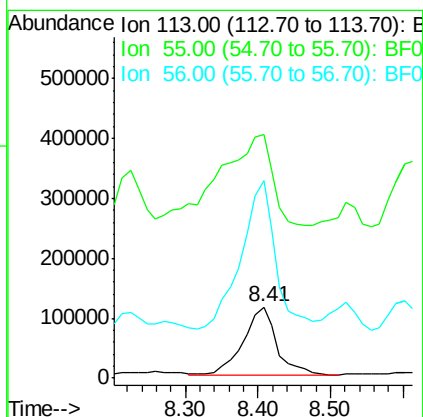
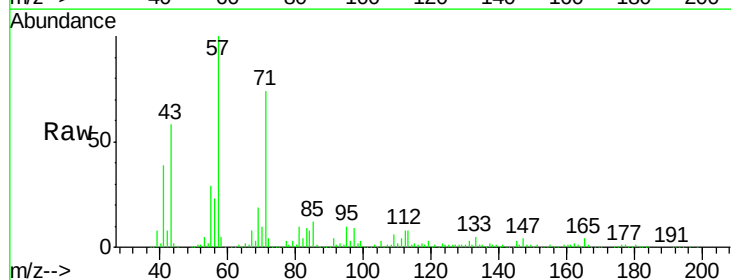
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

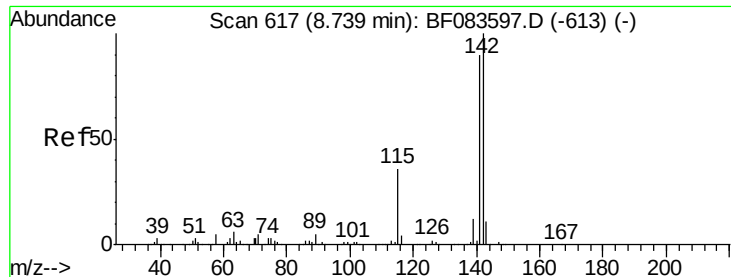
Tgt Ion:127 Resp: 21749
Ion Ratio Lower Upper
127 100
129 201.3 26.1 39.1#
65 259.4 33.5 50.3#
92 71.4 18.6 28.0#



#35
Caprolactam
Concen: 193.21 ng
RT: 8.41 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion:113 Resp: 361318
Ion Ratio Lower Upper
113 100
55 342.9 189.7 229.7#
56 279.0 130.7 170.7#

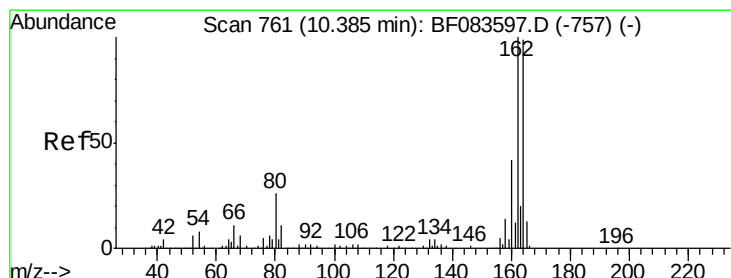
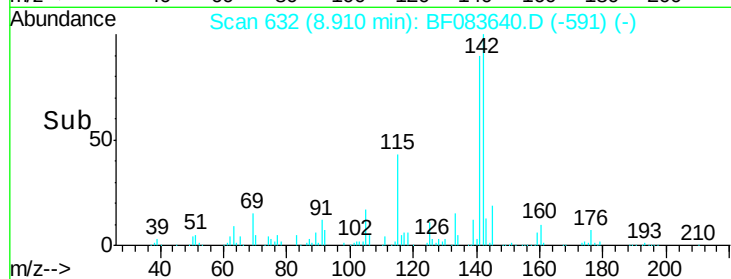
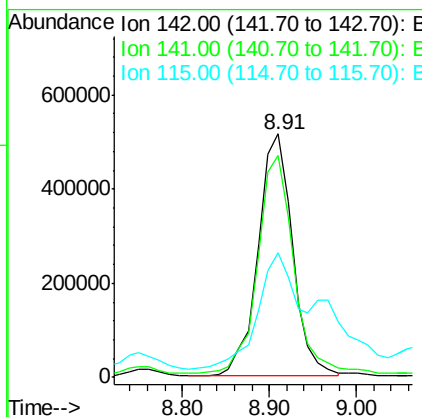
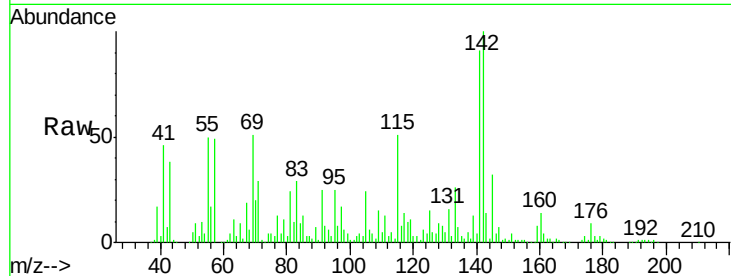




#37
 2-Methylnaphthalene
 Concen: 102.86 ng
 RT: 8.91 min Scan# 632
 Delta R.T. 0.17 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

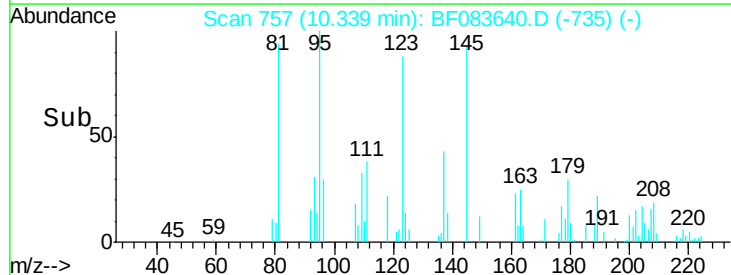
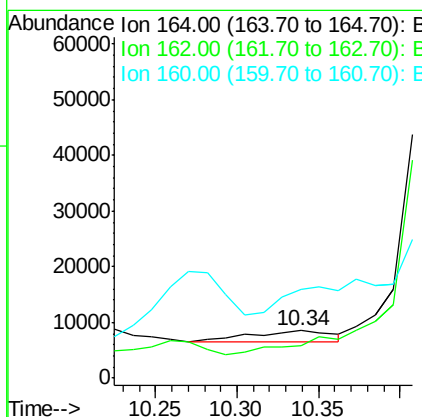
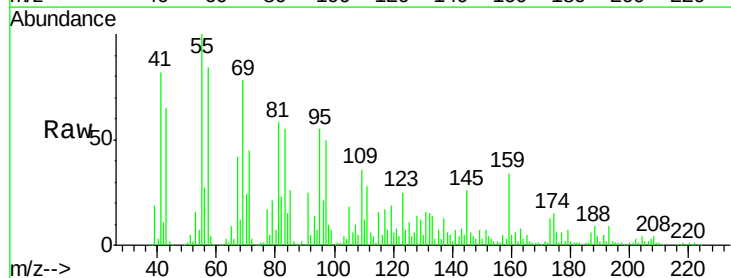
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

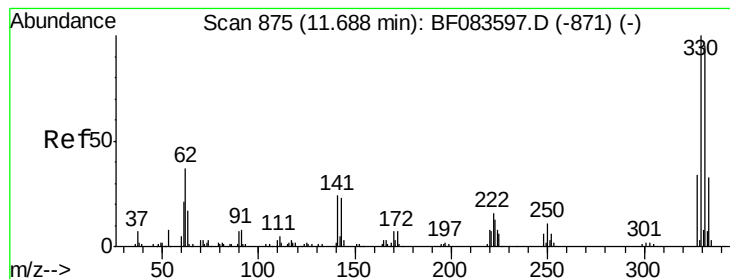
Tgt Ion:142 Resp: 1424985
 Ion Ratio Lower Upper
 142 100
 141 91.1 70.3 105.5
 115 51.3 29.2 43.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 757
 Delta R.T. -0.05 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:164 Resp: 6825
 Ion Ratio Lower Upper
 164 100
 162 69.3 78.8 118.2#
 160 187.3 33.4 50.2#

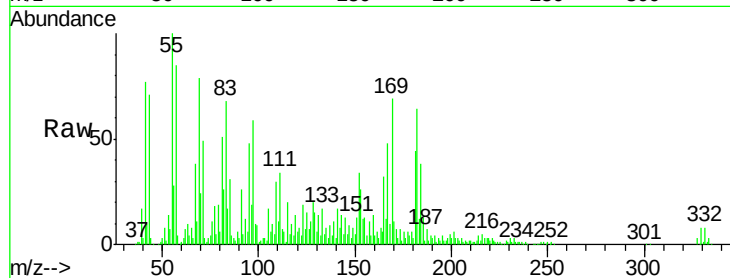




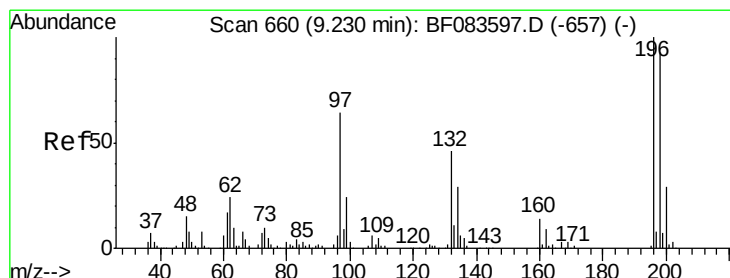
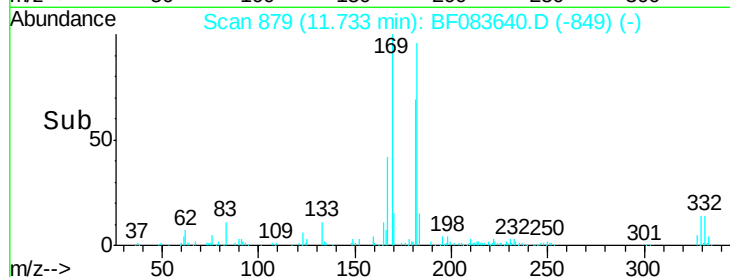
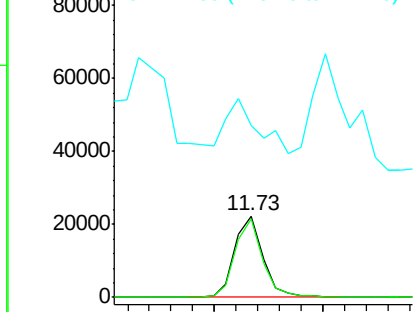
#41
 2,4,6-Tribromophenol
 Concen: 657.88 ng
 RT: 11.73 min Scan# 879
 Delta R.T. 0.05 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

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

Tgt Ion:330 Resp: 40002
 Ion Ratio Lower Upper
 330 100
 332 94.8 0.0 0.0#
 141 96.4 0.0 0.0#

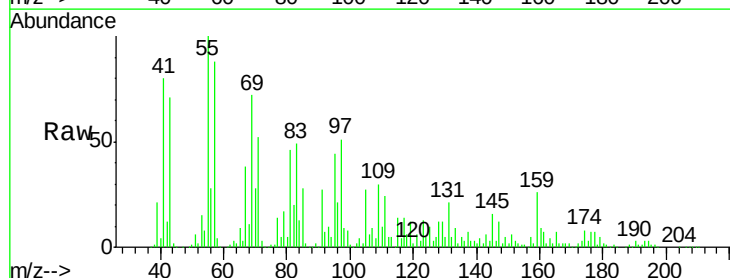


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

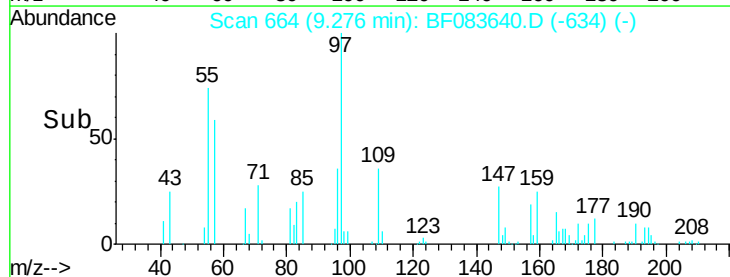
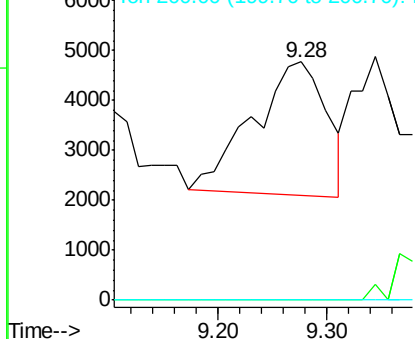


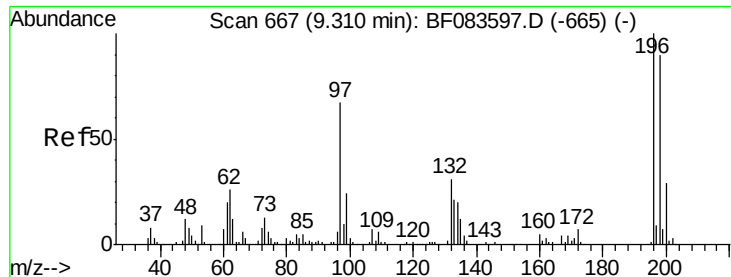
#42
 2,4,6-Trichlorophenol
 Concen: 94.70 ng
 RT: 9.28 min Scan# 664
 Delta R.T. 0.05 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:196 Resp: 12528
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.2 112.8#
 200 0.0 23.0 34.6#



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

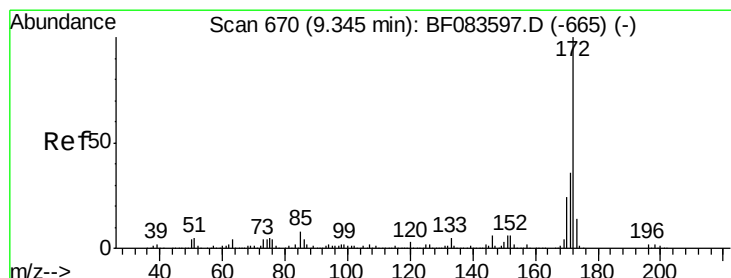
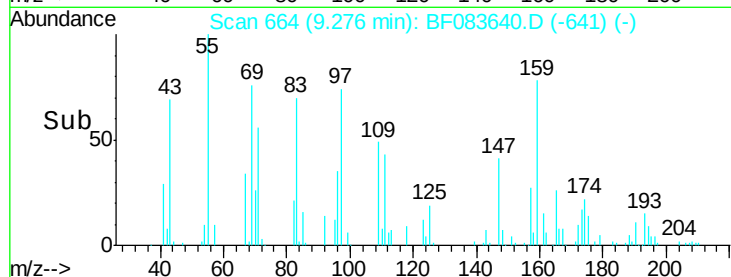
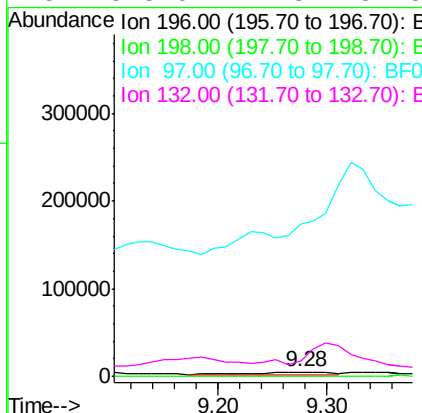
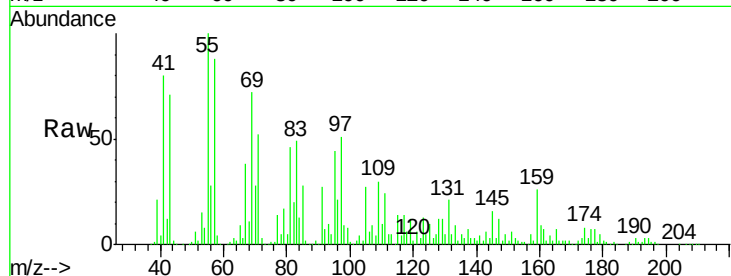




#43
 2,4,5-Trichlorophenol
 Concen: 93.63 ng
 RT: 9.28 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

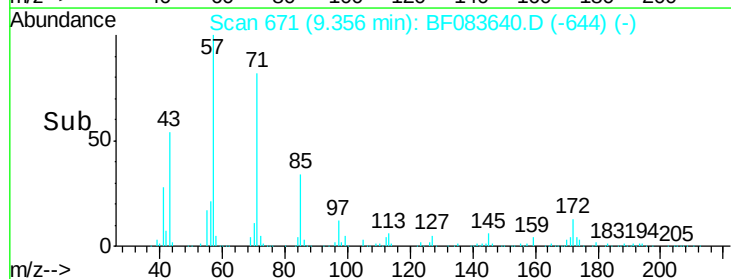
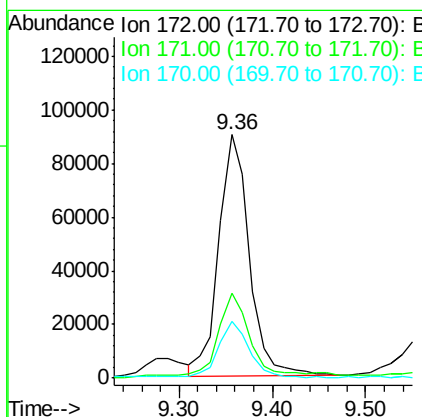
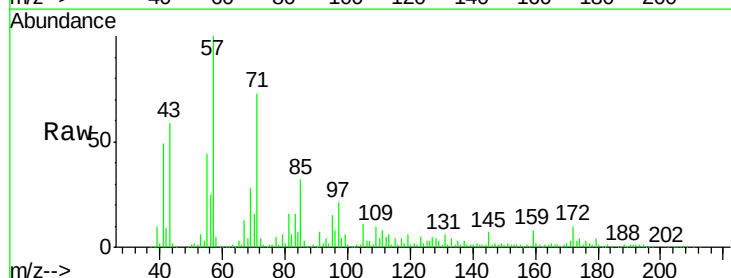
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

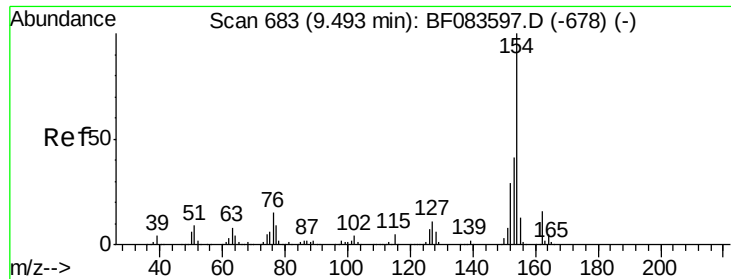
Tgt Ion:196 Resp: 12359
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.7 116.5#
 97 3650.3 41.2 61.8#
 132 373.0 21.8 32.8#



#44
 2-Fluorobiphenyl
 Concen: 421.37 ng
 RT: 9.36 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:172 Resp: 204336
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 23.3 19.4 29.0

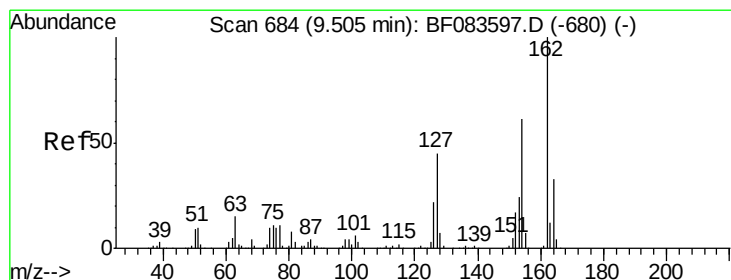
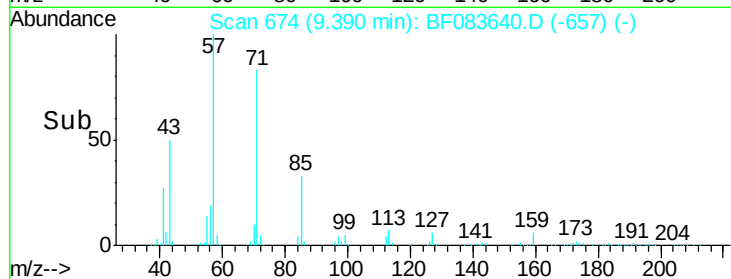
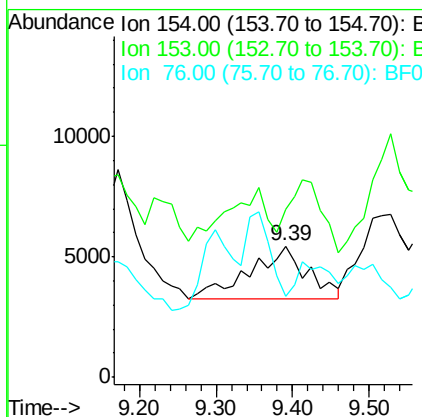
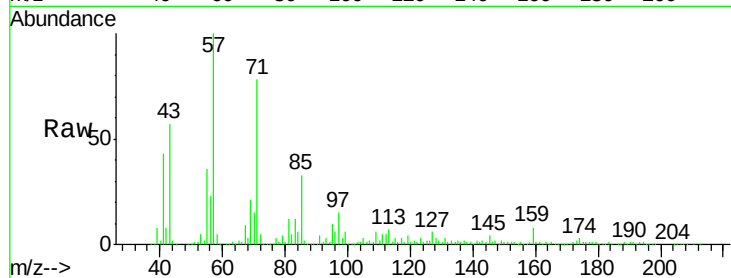




#45
 1,1'-Biphenyl
 Concen: 18.60 ng
 RT: 9.39 min Scan# 674
 Delta R.T. -0.10 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

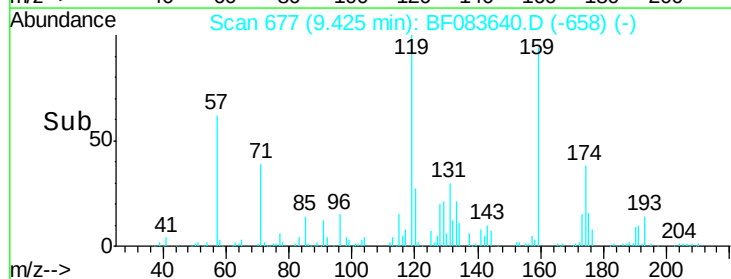
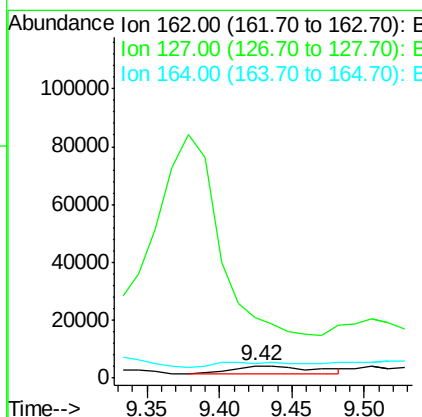
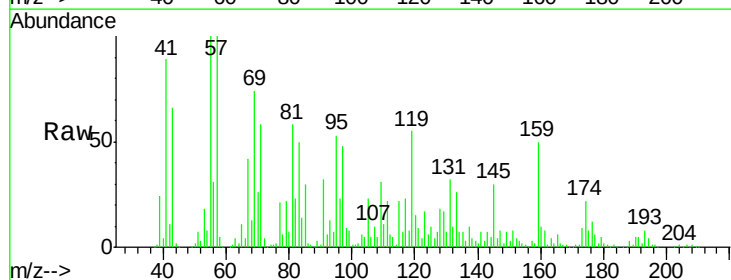
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

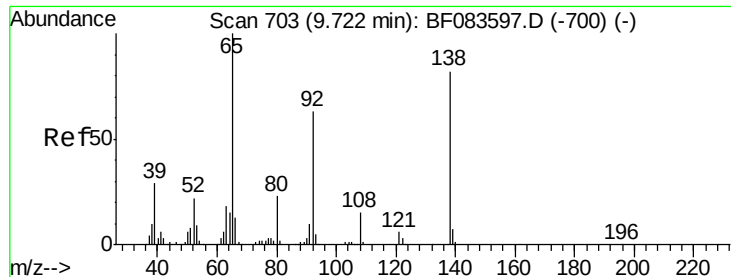
Tgt Ion:154 Resp: 11035
 Ion Ratio Lower Upper
 154 100
 153 128.0 20.2 60.2#
 76 61.2 0.0 34.8#



#46
 2-Chloronaphthalene
 Concen: 22.85 ng
 RT: 9.42 min Scan# 677
 Delta R.T. -0.08 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:162 Resp: 10235
 Ion Ratio Lower Upper
 162 100
 127 492.8 31.0 46.4#
 164 117.8 27.4 41.0#

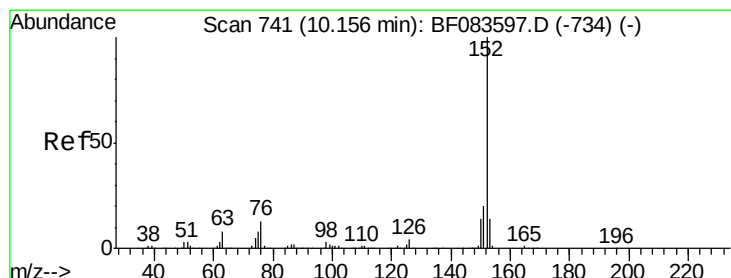
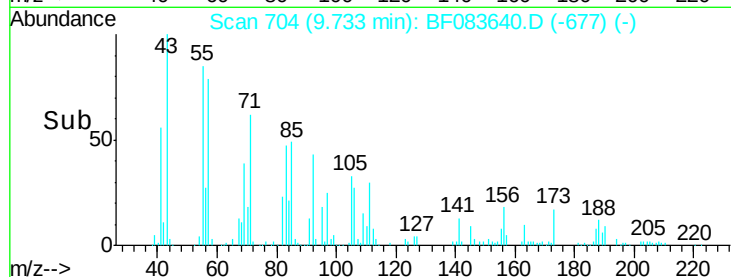
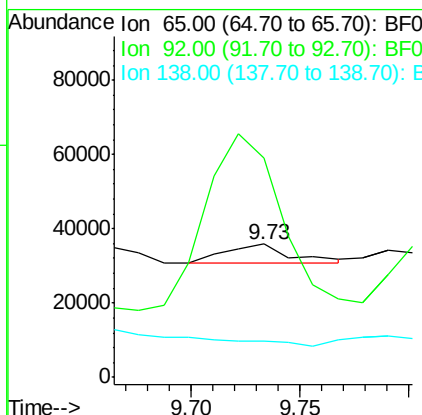
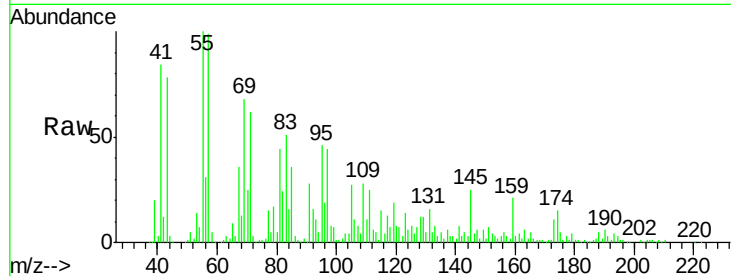




#47
2-Nitroaniline
Concen: 66.17 ng
RT: 9.73 min Scan# 704
Delta R.T. 0.01 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

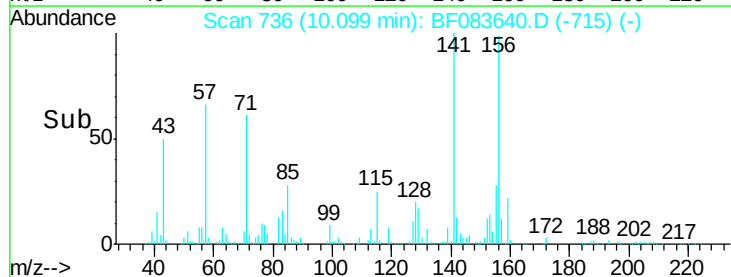
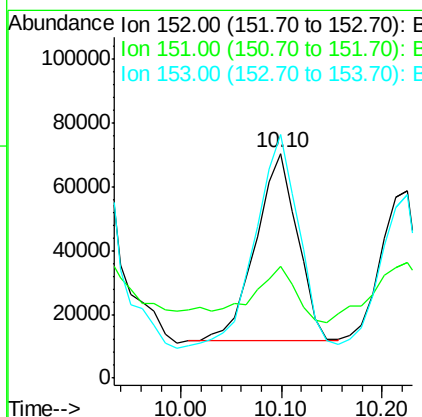
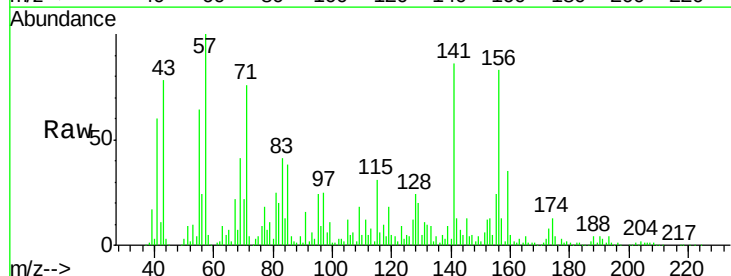
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

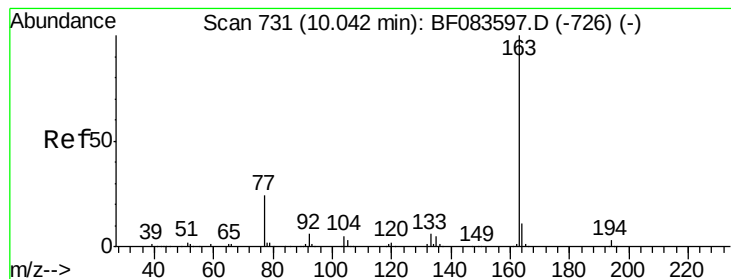
Tgt Ion: 65 Resp: 10688
Ion Ratio Lower Upper
65 100
92 165.2 49.6 74.4#
138 27.0 64.1 96.1#



#48
Acenaphthylene
Concen: 228.65 ng
RT: 10.10 min Scan# 736
Delta R.T. -0.06 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion: 152 Resp: 168861
Ion Ratio Lower Upper
152 100
151 49.8 16.3 24.5#
153 108.3 10.8 16.2#





#49

Dimethylphthalate

Concen: 51.42 ng

RT: 10.00 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

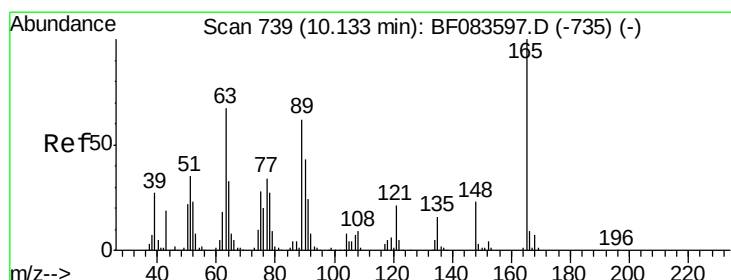
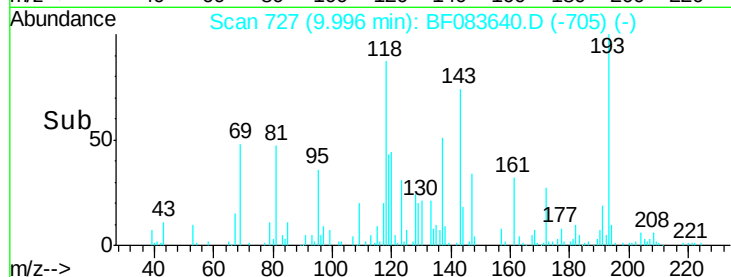
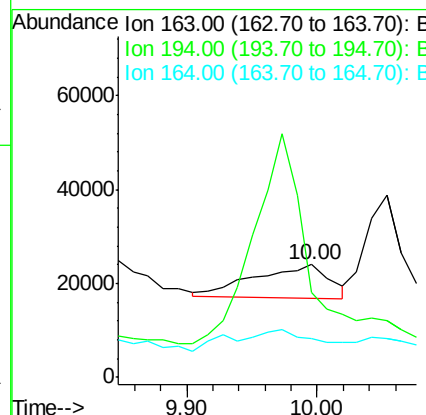
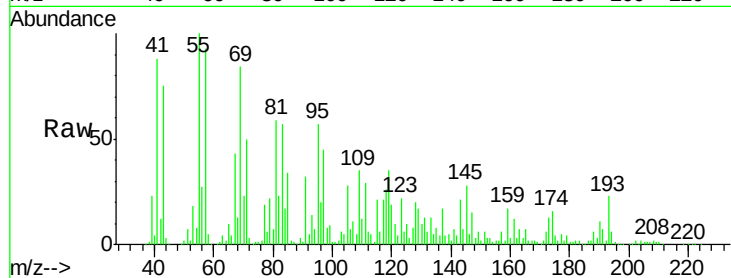
Tgt Ion:163 Resp: 27937

Ion Ratio Lower Upper

163 100

194 75.0 2.8 4.2#

164 34.5 8.6 13.0#



#50

2,6-Dinitrotoluene

Concen: 93.62 ng

RT: 10.10 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

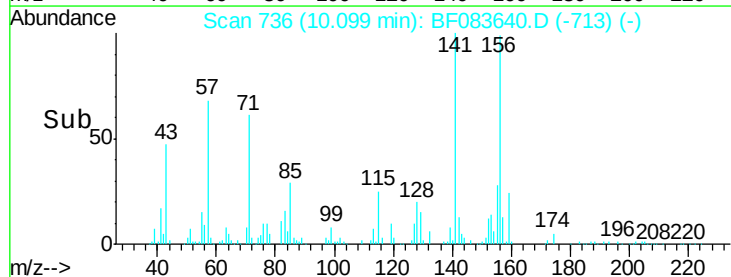
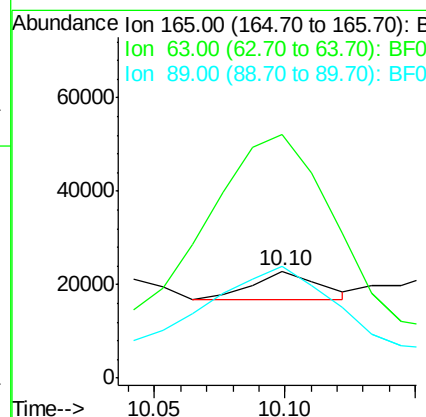
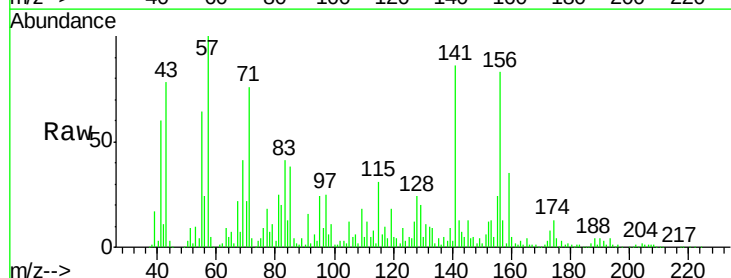
Tgt Ion:165 Resp: 10501

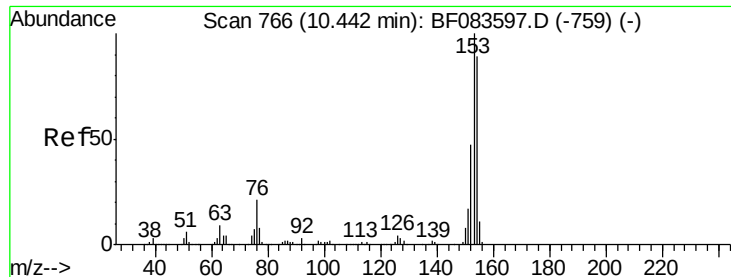
Ion Ratio Lower Upper

165 100

63 227.6 56.9 85.3#

89 105.0 52.1 78.1#





#51

Acenaphthene

Concen: 523.50 ng

RT: 10.48 min Scan# 769

Delta R.T. 0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

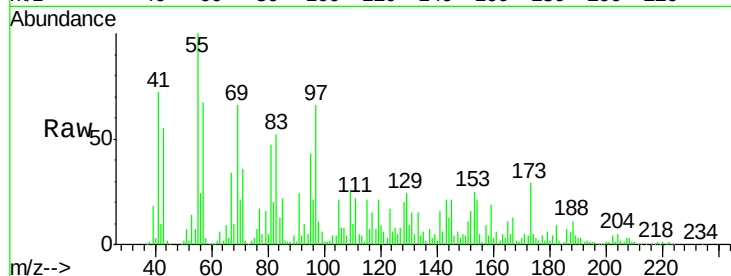
Tgt Ion:154 Resp: 221336

Ion Ratio Lower Upper

154 100

153 120.3 91.4 137.0

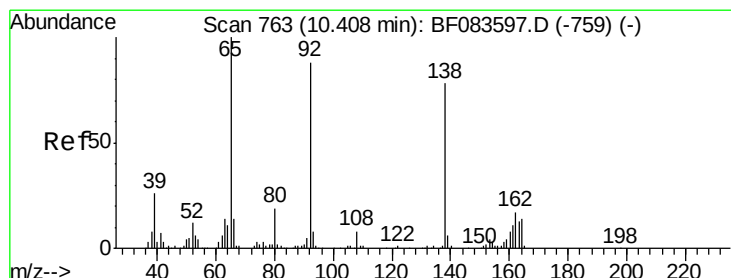
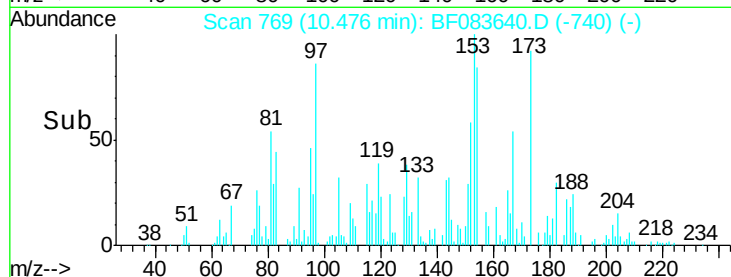
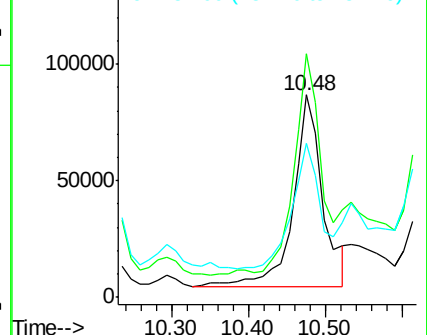
152 76.1 43.4 65.2#



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: 116.72 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.06 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

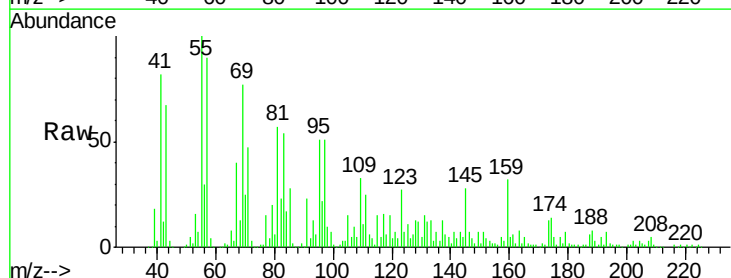
Tgt Ion:138 Resp: 13914

Ion Ratio Lower Upper

138 100

108 90.0 9.9 14.9#

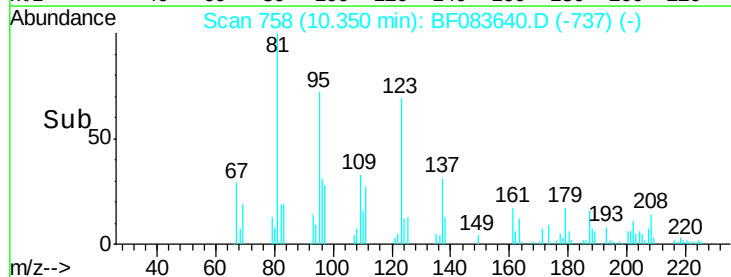
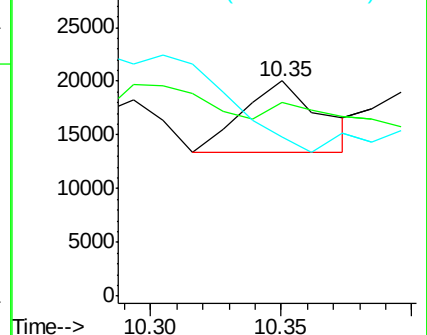
92 74.0 113.8 170.8#

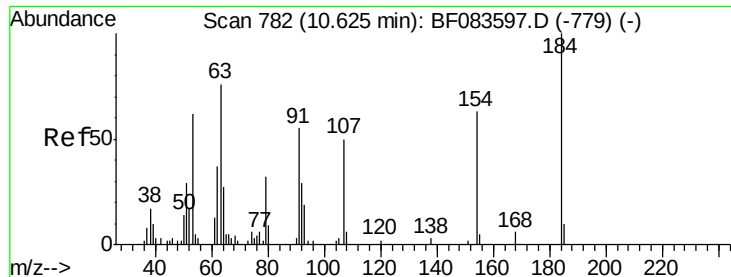


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 34.50 ng

RT: 10.60 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

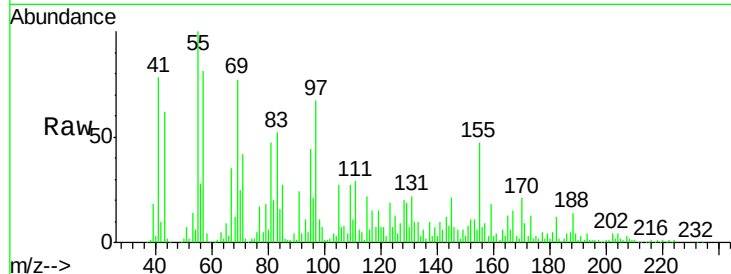
Tgt Ion:184 Resp: 1725

Ion Ratio Lower Upper

184 100

63 1735.6 62.4 93.6#

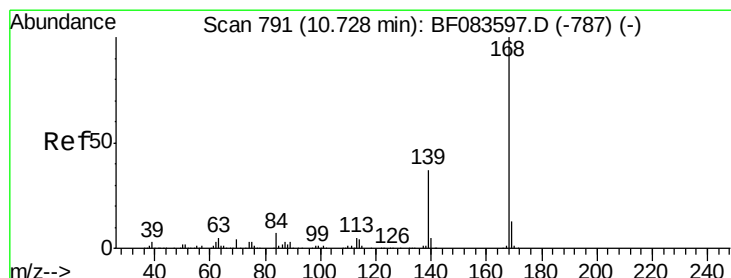
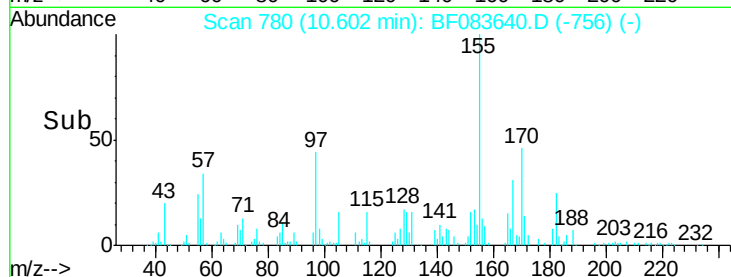
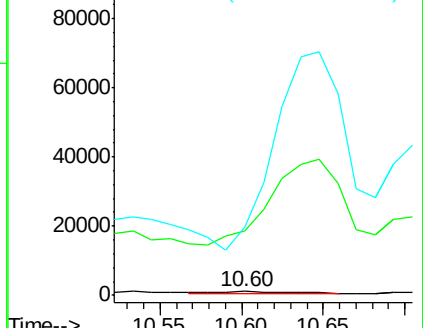
154 1862.9 46.6 69.8#



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: 114.17 ng

RT: 10.69 min Scan# 788

Delta R.T. -0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

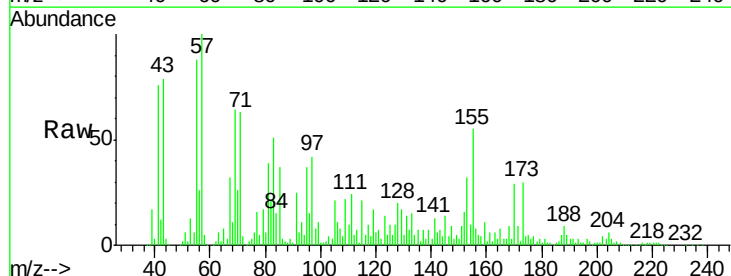
Tgt Ion:168 Resp: 66940

Ion Ratio Lower Upper

168 100

139 77.9 28.0 42.0#

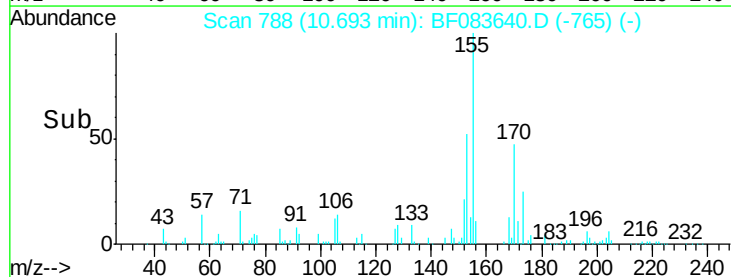
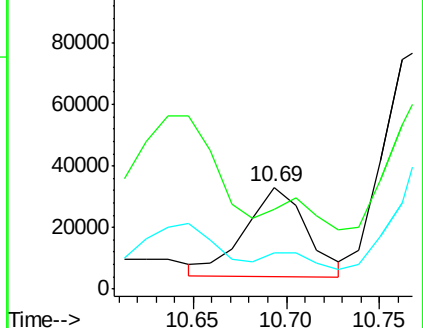
169 35.5 10.8 16.2#

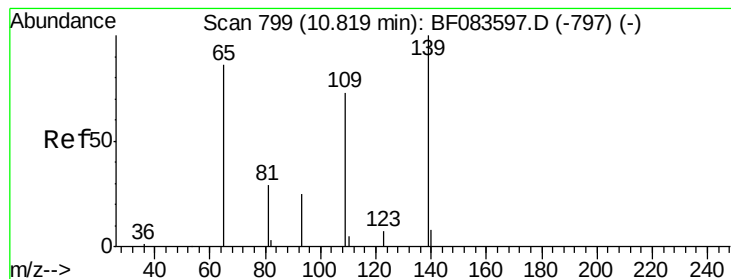


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 3147.74 ng

RT: 10.77 min Scan# 795

Delta R.T. -0.05 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

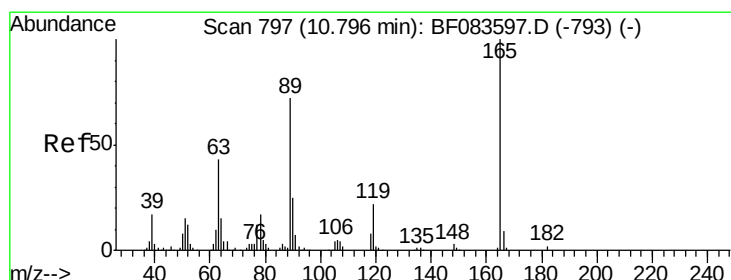
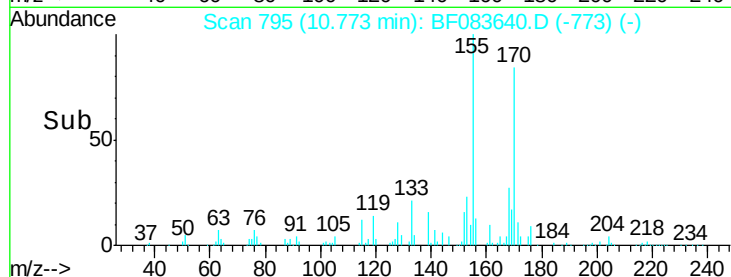
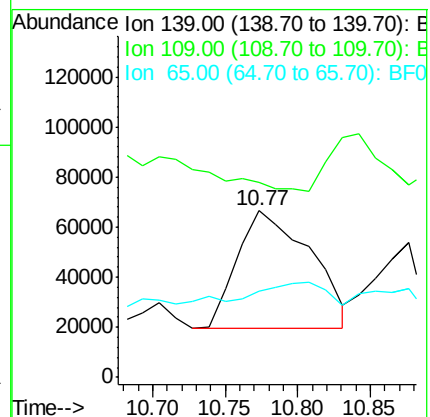
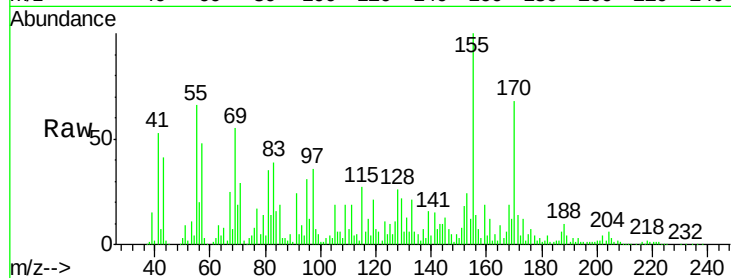
Tgt Ion:139 Resp: 165212

Ion Ratio Lower Upper

139 100

109 117.7 42.0 82.0#

65 51.7 89.2 129.2#



#56

2,4-Dinitrotoluene

Concen: 245.84 ng

RT: 10.70 min Scan# 789

Delta R.T. -0.09 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:165 Resp: 36572

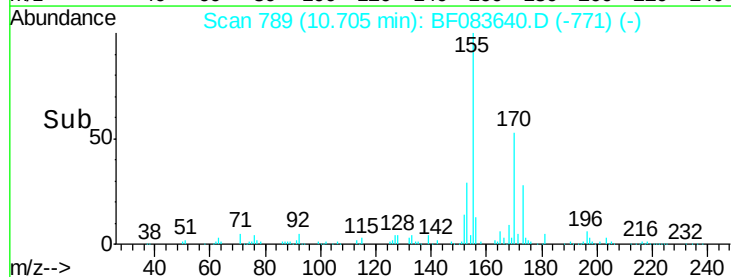
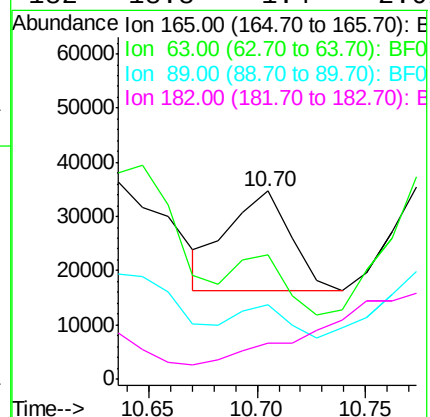
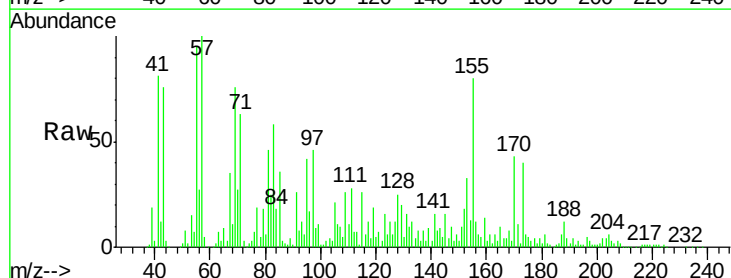
Ion Ratio Lower Upper

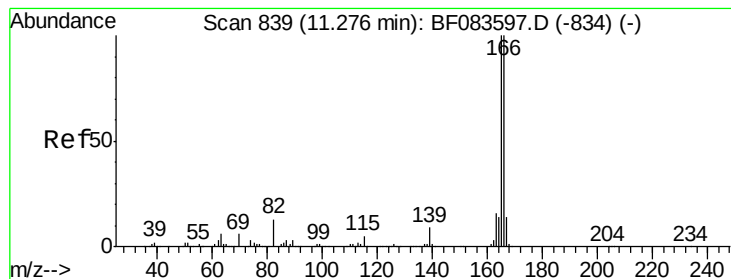
165 100

63 65.8 51.4 77.2

89 39.7 72.6 108.8#

182 18.8 1.4 2.0#





#57

Fluorene

Concen: 135.25 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.10 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

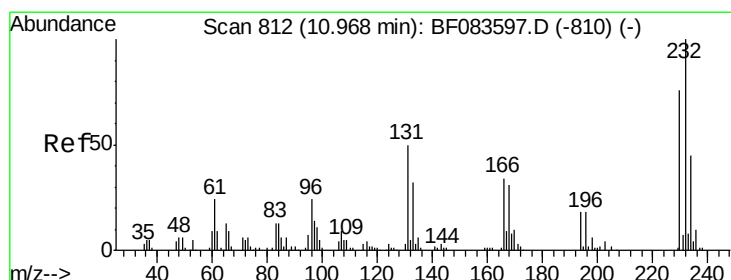
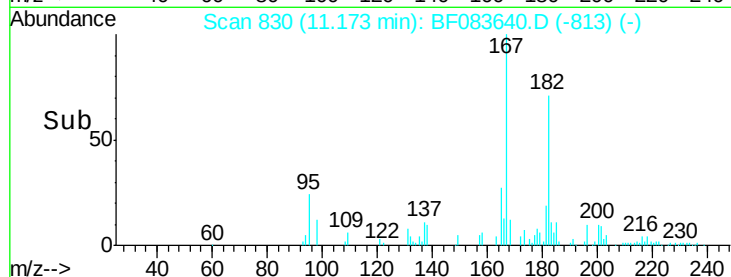
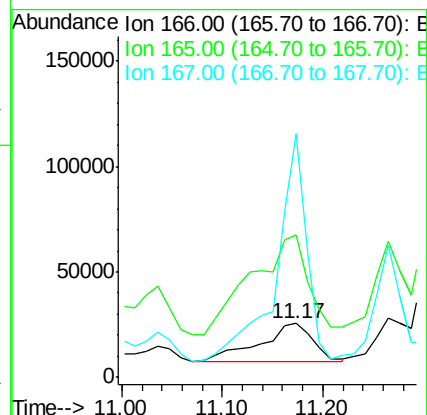
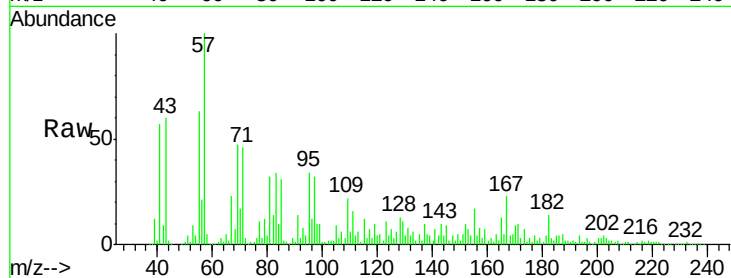
Tgt Ion:166 Resp: 69206

Ion Ratio Lower Upper

166 100

165 264.6 80.0 120.0#

167 452.1 10.6 16.0#



#58

2,3,4,6-Tetrachlorophenol

Concen: 27.49 ng

RT: 10.93 min Scan# 809

Delta R.T. -0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Tgt Ion:232 Resp: 2881

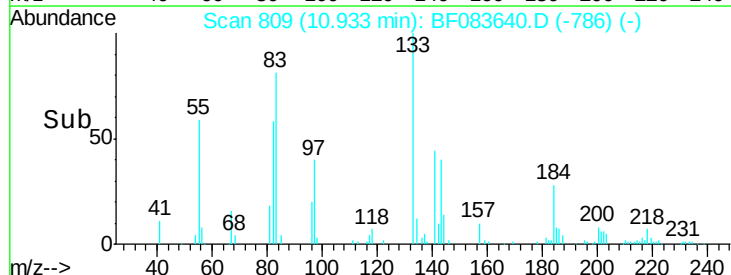
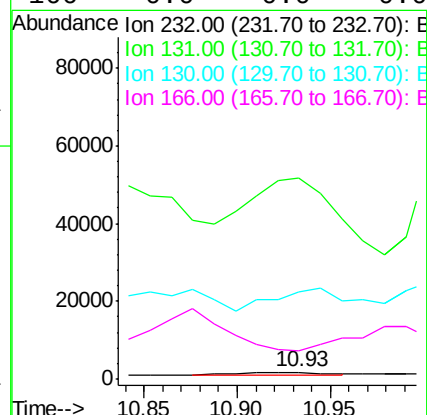
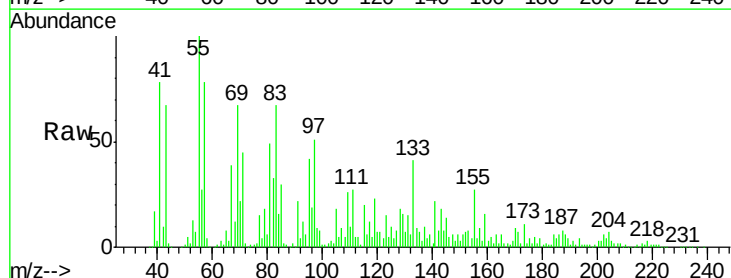
Ion Ratio Lower Upper

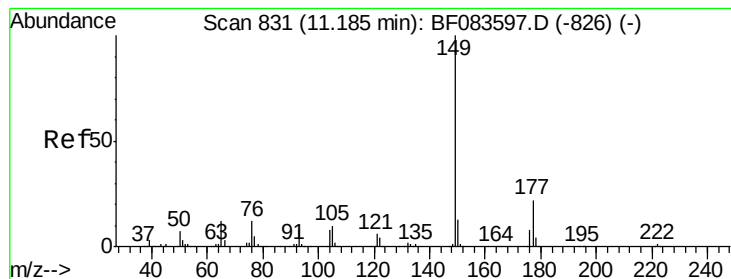
232 100

131 2242.0 0.0 0.0#

130 590.2 0.0 0.0#

166 0.0 0.0 0.0





#59

Diethylphthalate

Concen: 45.35 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

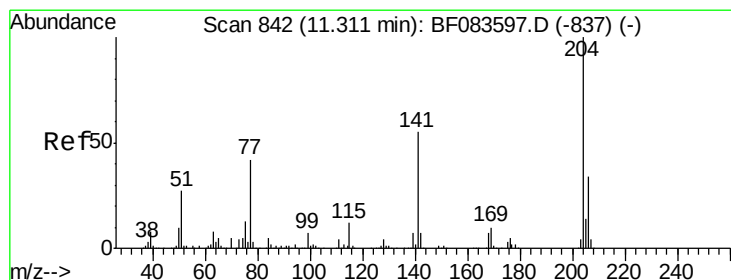
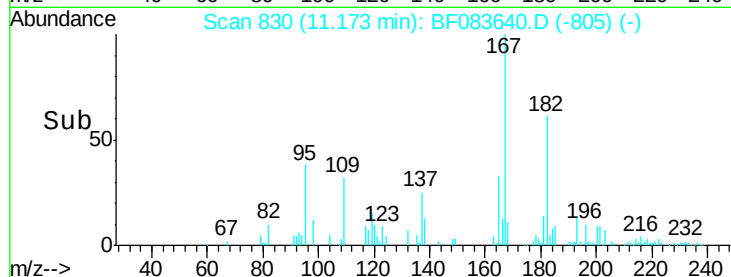
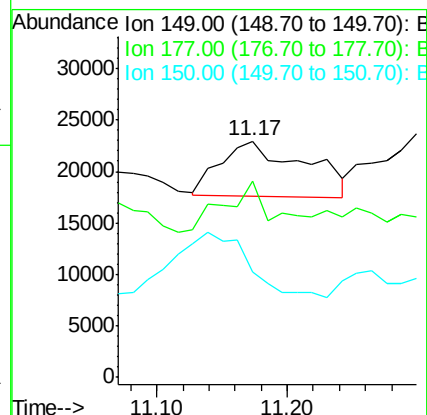
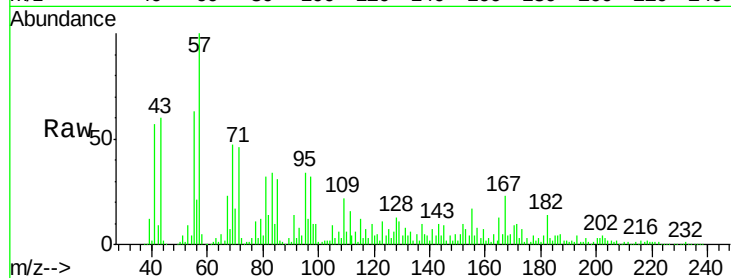
Tgt Ion:149 Resp: 23956

Ion Ratio Lower Upper

149 100

177 83.1 16.9 25.3#

150 44.8 10.2 15.4#



#60

4-Chlorophenyl-phenylether

Concen: 110.58 ng

RT: 11.30 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

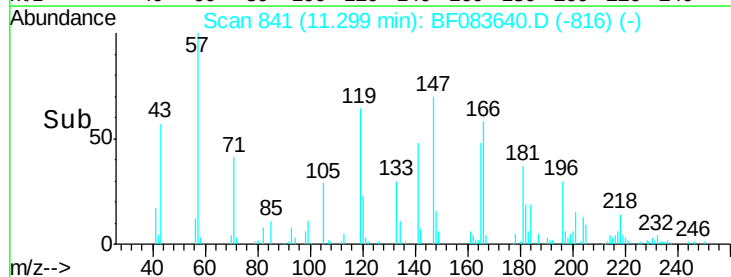
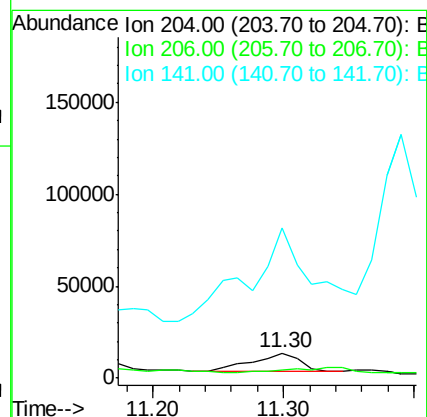
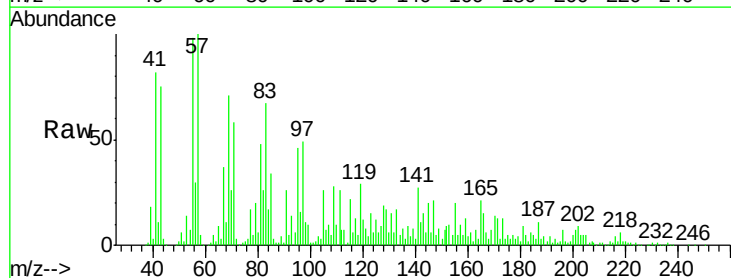
Tgt Ion:204 Resp: 26938

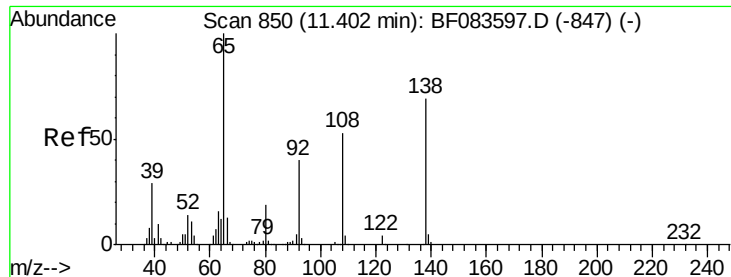
Ion Ratio Lower Upper

204 100

206 31.2 27.3 40.9

141 593.4 51.9 77.9#

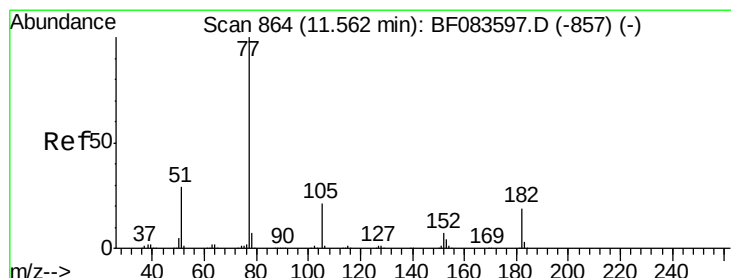
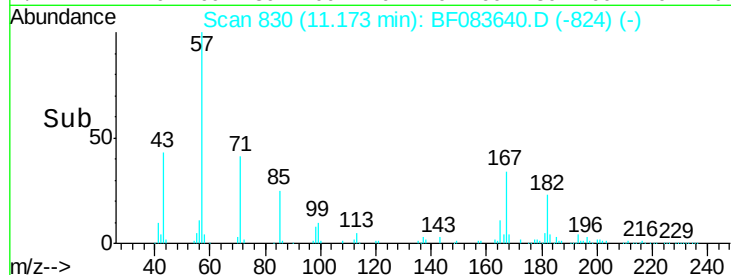
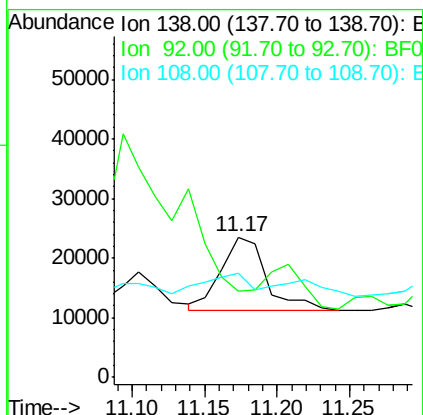
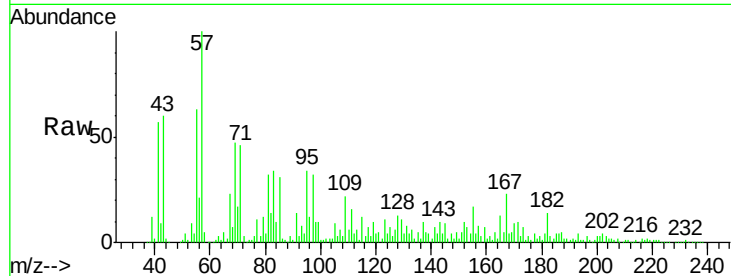




#61
4-Nitroaniline
Concen: 250.58 ng
RT: 11.17 min Scan# 830
Delta R.T. -0.23 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

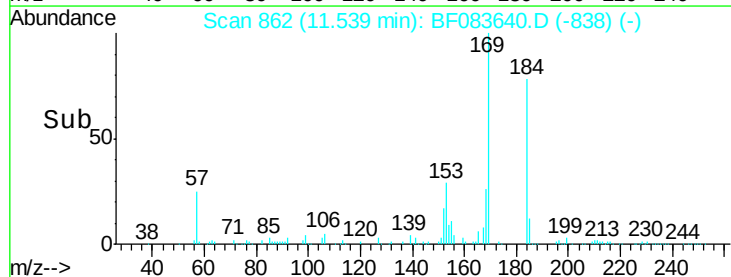
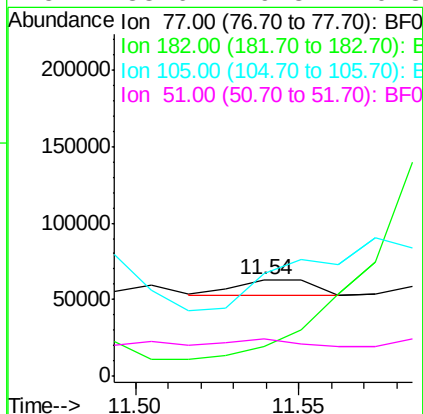
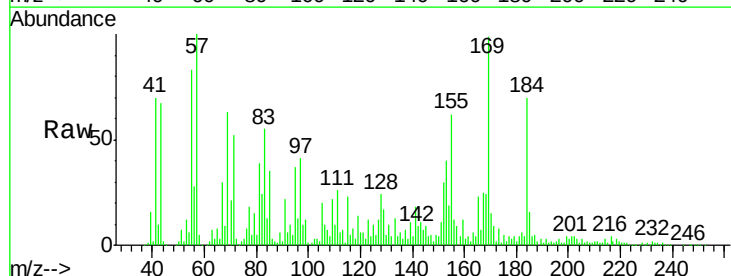
Instrument :
BNA_F
ClientSampleId :
LS-SB29B(4.5-5)

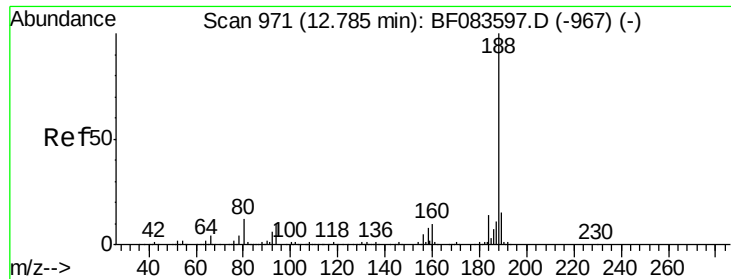
Tgt Ion: 138 Resp: 27139
Ion Ratio Lower Upper
138 100
92 61.3 29.0 69.0
108 74.4 47.4 87.4



#62
Azobenzene
Concen: 29.16 ng
RT: 11.54 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF083640.D
Acq: 9 Dec 2015 15:26

Tgt Ion: 77 Resp: 16951
Ion Ratio Lower Upper
77 100
182 30.1 2.5 42.5
105 106.6 2.1 42.1#
51 38.6 9.3 49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.82 min Scan# 974

Delta R.T. 0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

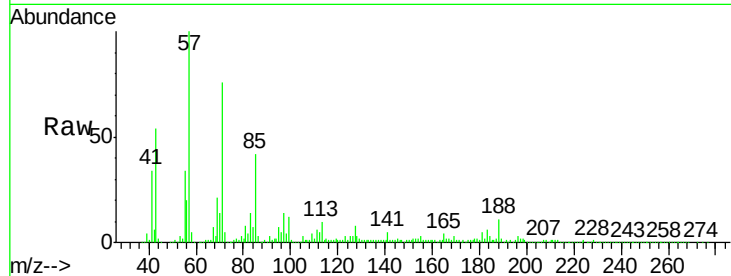
Tgt Ion:188 Resp: 249100

Ion Ratio Lower Upper

188 100

94 19.9 9.4 14.2#

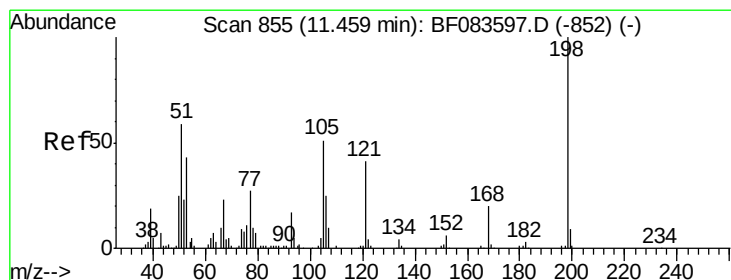
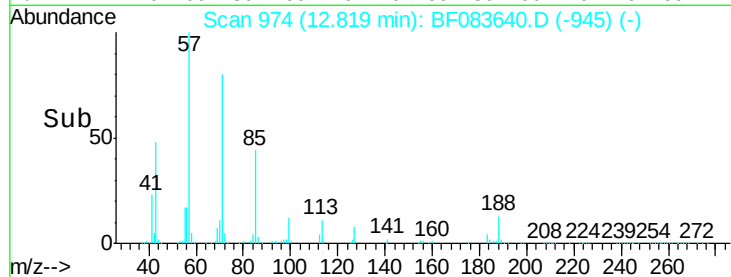
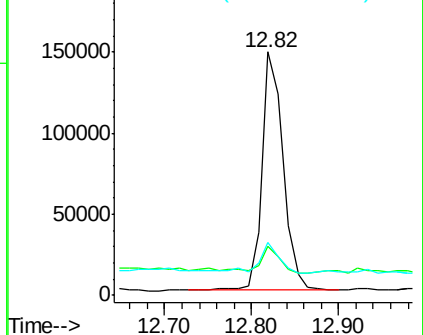
80 21.7 10.6 16.0#



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: 4.66 ng

RT: 11.47 min Scan# 856

Delta R.T. 0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

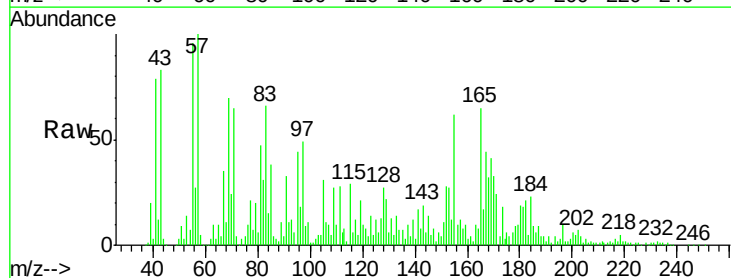
Tgt Ion:198 Resp: 4806

Ion Ratio Lower Upper

198 100

51 549.2 53.8 93.8#

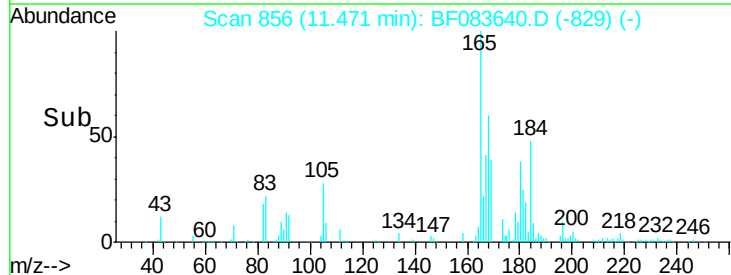
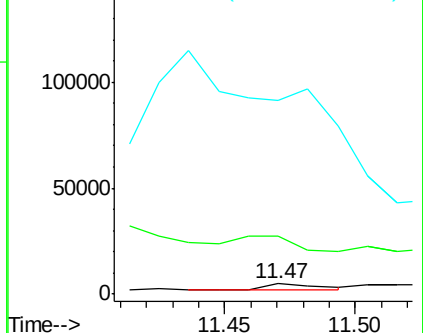
105 1855.0 38.6 78.6#

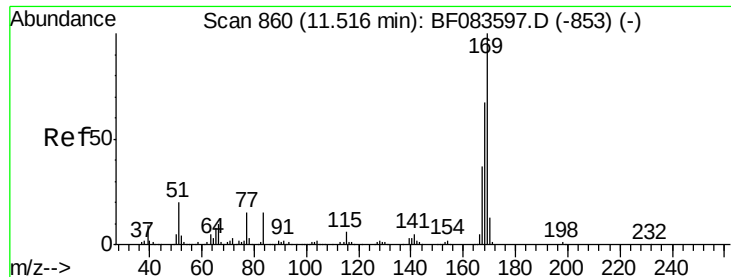


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 110.18 ng

RT: 11.55 min Scan# 863

Delta R.T. 0.03 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

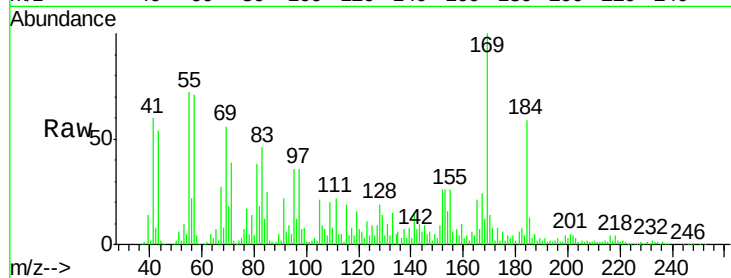
Tgt Ion:169 Resp: 905777

Ion Ratio Lower Upper

169 100

168 11.8 53.0 79.6#

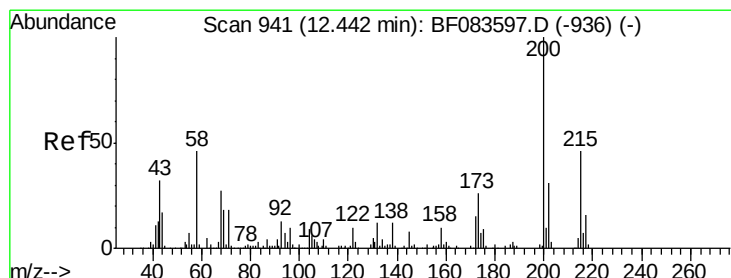
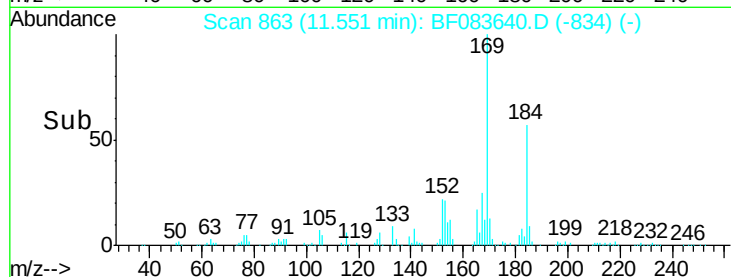
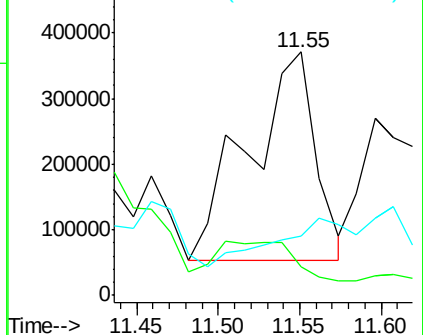
167 24.4 29.3 43.9#



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



#68

Atrazine

Concen: 14.83 ng

RT: 12.42 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

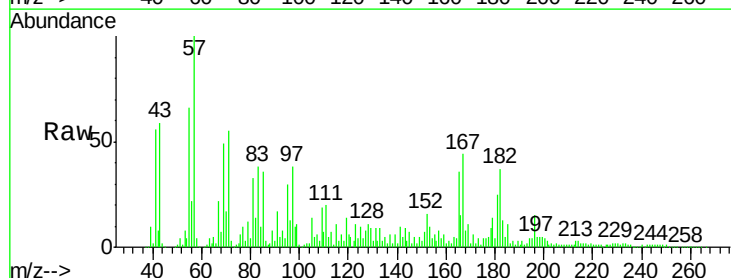
Tgt Ion:200 Resp: 36282

Ion Ratio Lower Upper

200 100

173 92.9 7.8 47.8#

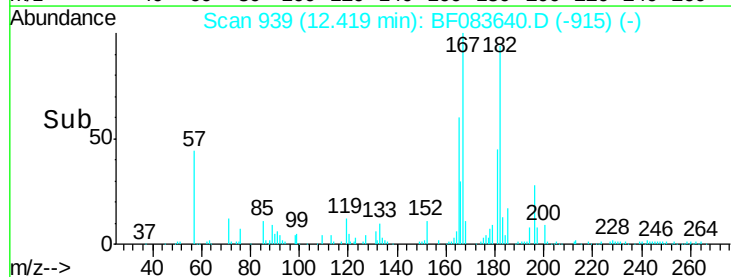
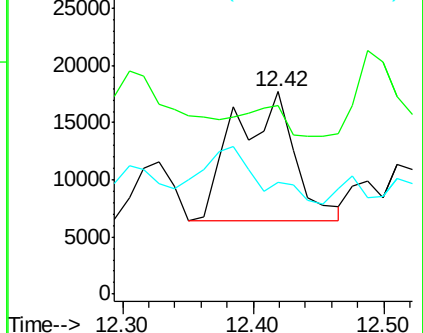
215 55.5 25.7 65.7

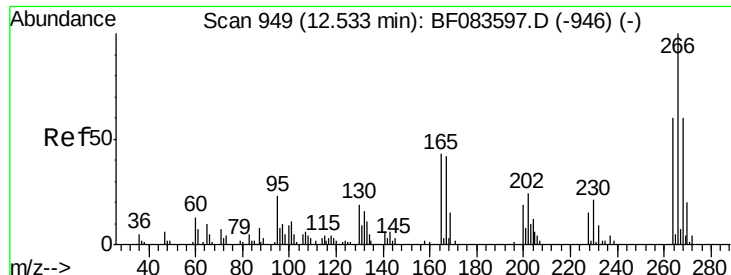


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

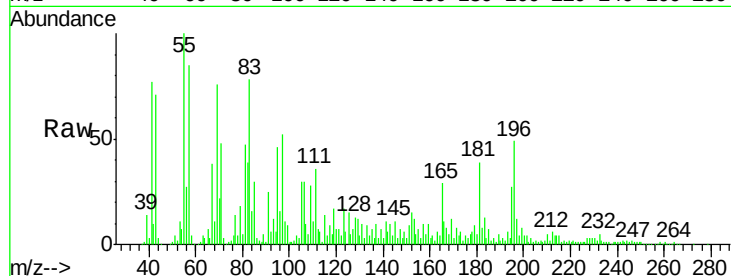




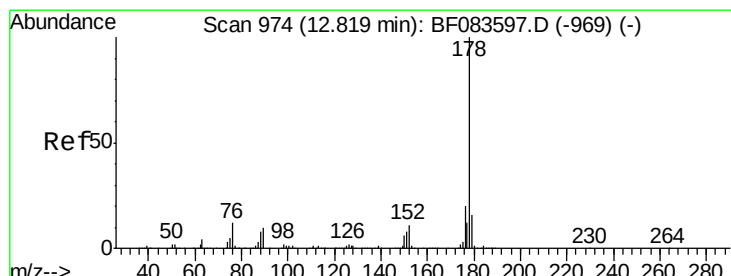
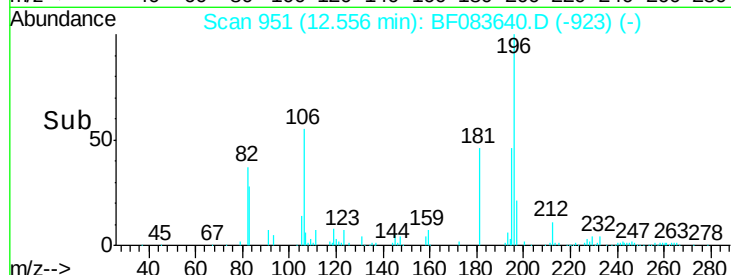
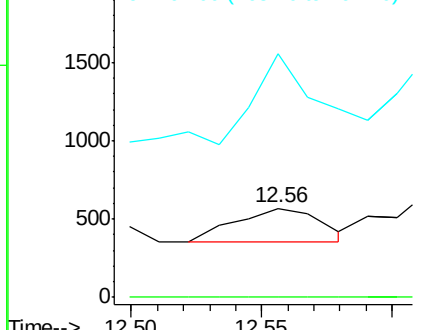
#69
 Pentachlorophenol
 Concen: 8.74 ng
 RT: 12.56 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

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

Tgt Ion: 266 Resp: 503
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.2 75.2#
 264 273.9 51.4 77.2#

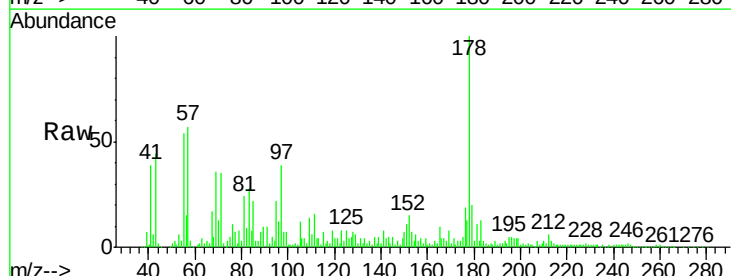


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

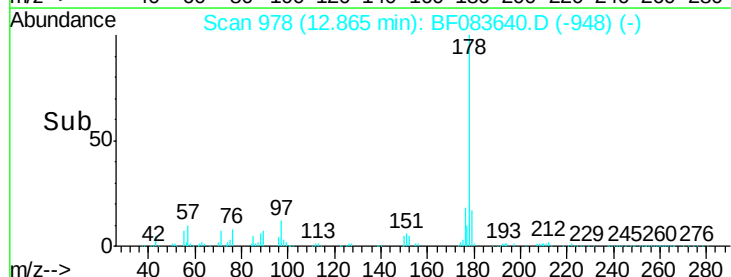
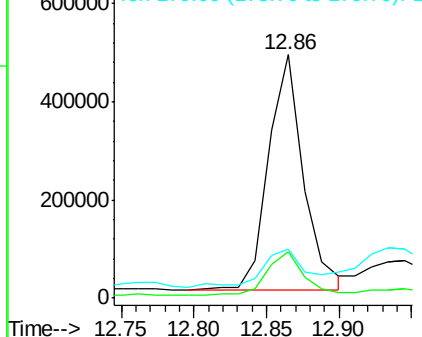


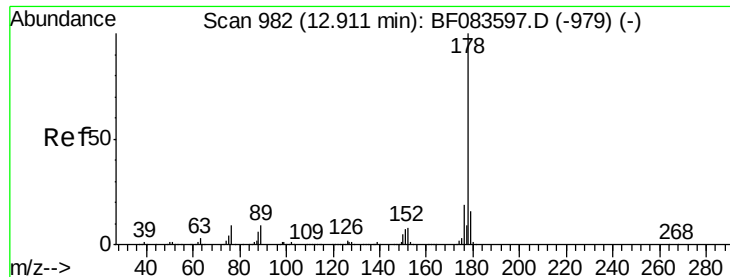
#70
 Phenanthrene
 Concen: 55.92 ng
 RT: 12.86 min Scan# 978
 Delta R.T. 0.05 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion: 178 Resp: 800367
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.7 23.5
 179 20.2 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

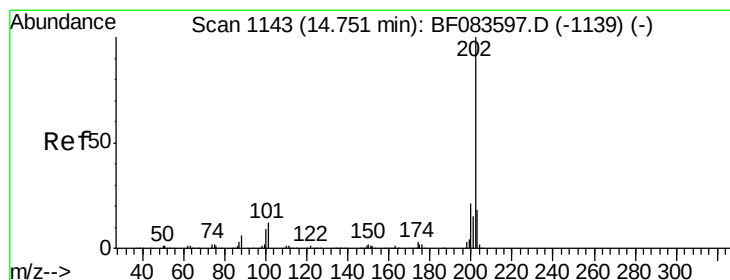
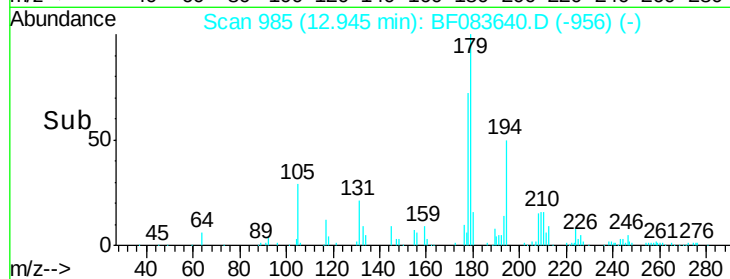
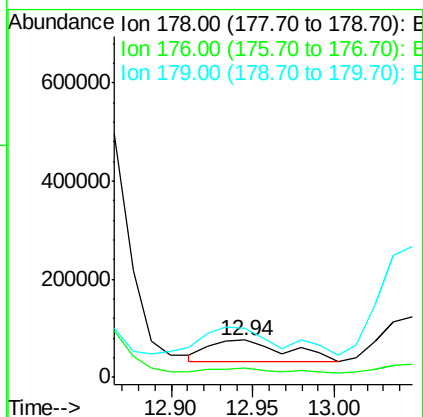
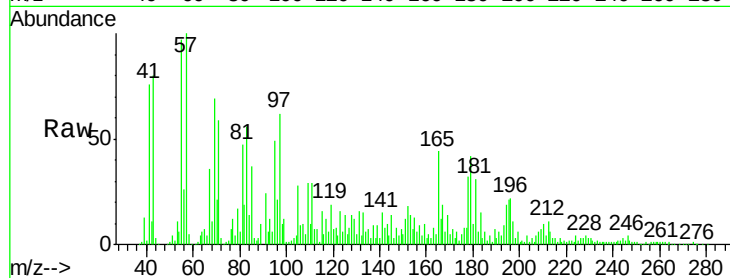




#71
 Anthracene
 Concen: 9.61 ng
 RT: 12.94 min Scan# 985
 Delta R.T. 0.03 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

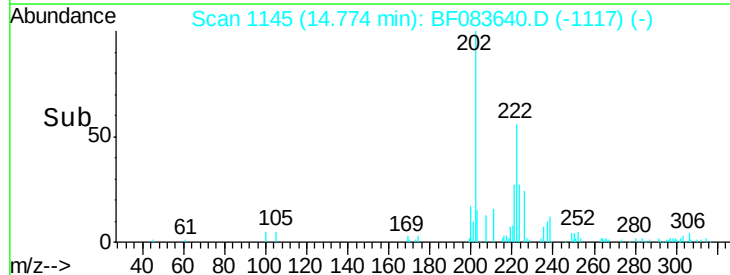
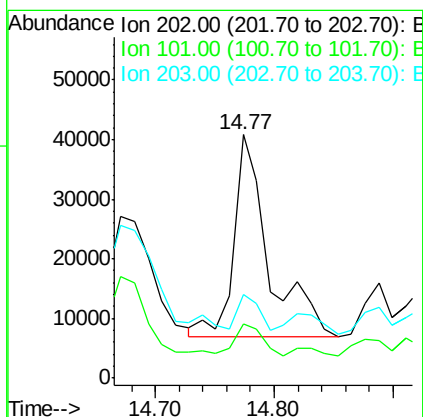
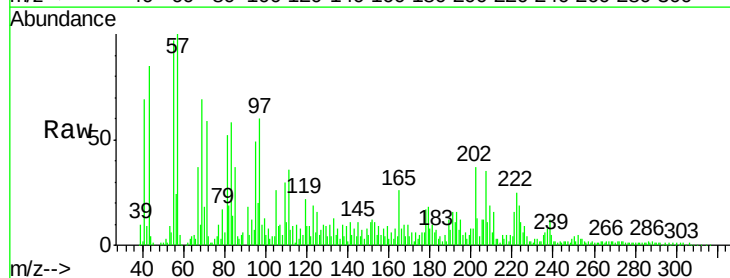
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB29B(4.5-5)

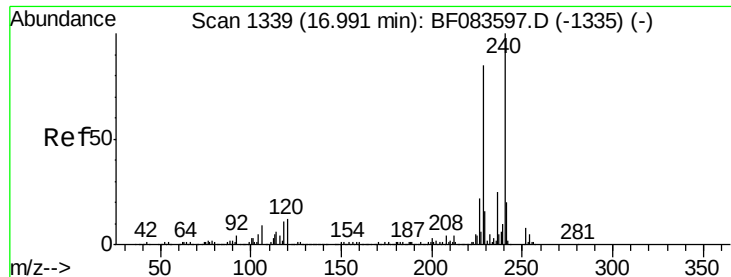
Tgt Ion:178 Resp: 142493
 Ion Ratio Lower Upper
 178 100
 176 23.7 15.2 22.8#
 179 132.2 12.6 18.8#



#74
 Fluoranthene
 Concen: 4.67 ng
 RT: 14.77 min Scan# 1145
 Delta R.T. 0.02 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:202 Resp: 68440
 Ion Ratio Lower Upper
 202 100
 101 22.0 0.0 31.5
 203 34.6 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.99 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

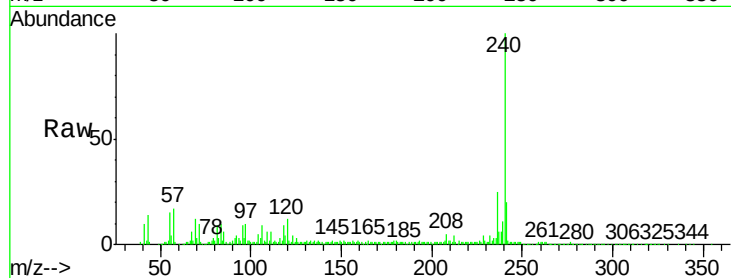
Tgt Ion:240 Resp: 271439

Ion Ratio Lower Upper

240 100

120 11.6 8.1 12.1

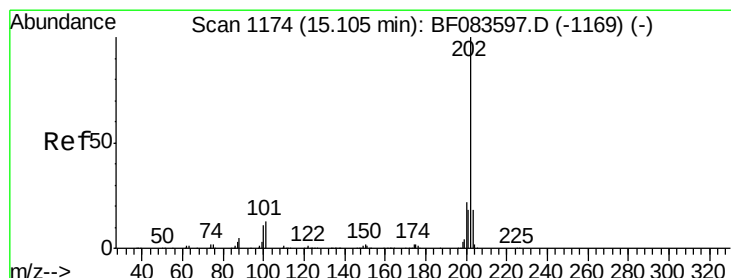
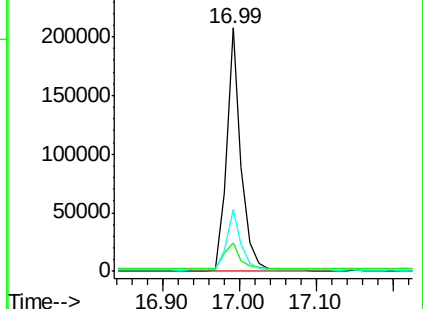
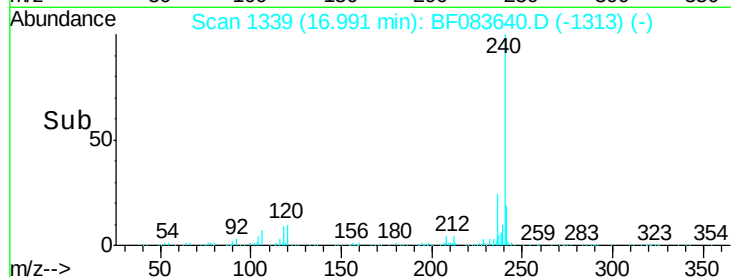
236 25.2 20.8 31.2



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



#77

Pyrene

Concen: 9.43 ng

RT: 15.13 min Scan# 1176

Delta R.T. 0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

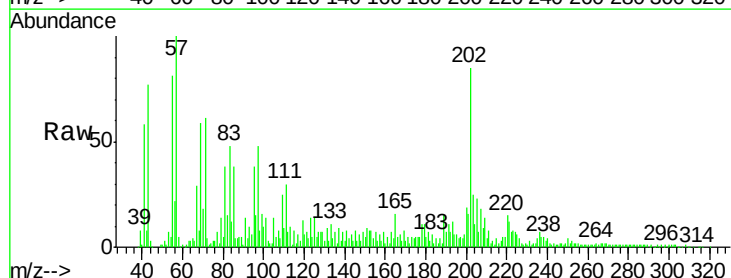
Tgt Ion:202 Resp: 184197

Ion Ratio Lower Upper

202 100

200 22.3 16.7 25.1

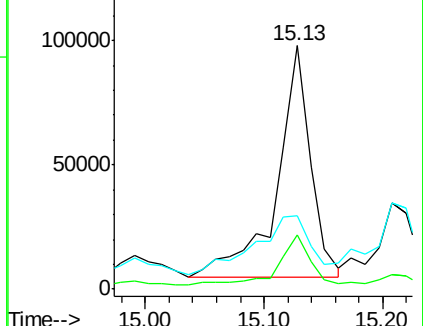
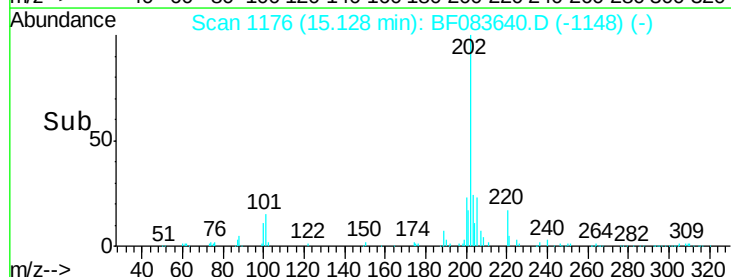
203 30.0 14.3 21.5#

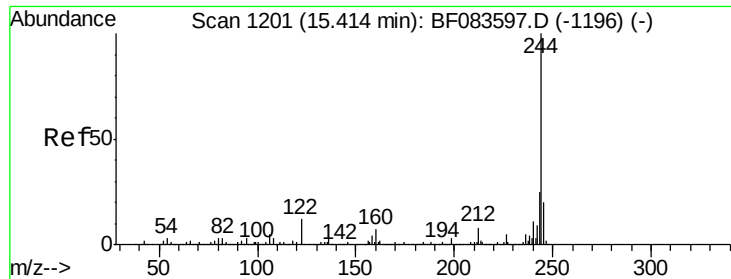


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

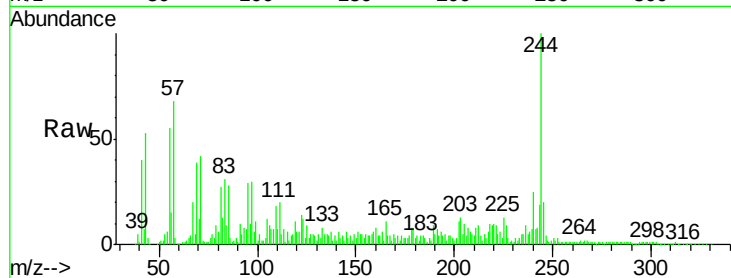




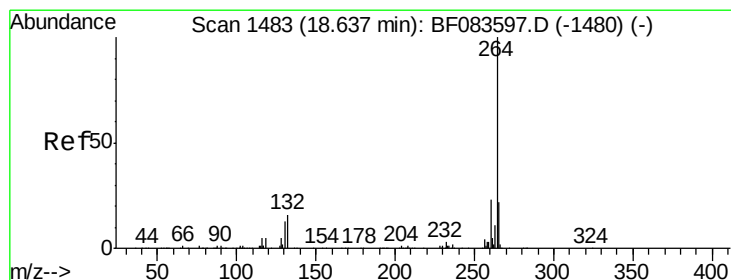
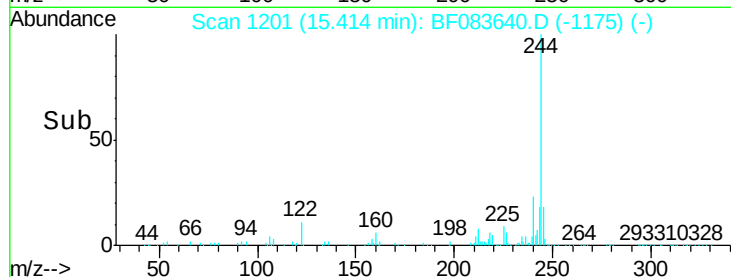
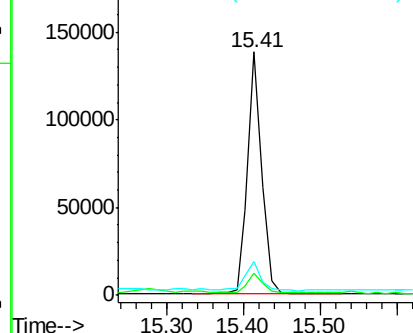
#78
 Terphenyl-d14
 Concen: 15.65 ng
 RT: 15.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

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

Tgt Ion:244 Resp: 180576
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.1 9.1
 122 13.8 11.0 16.6

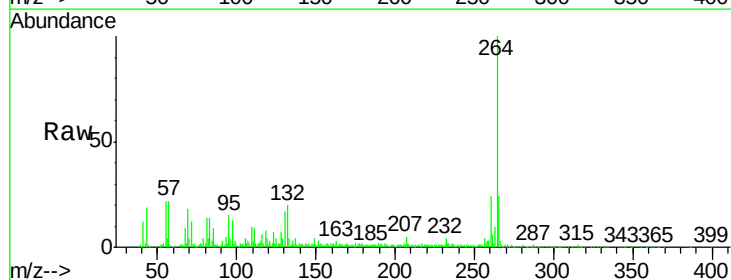


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

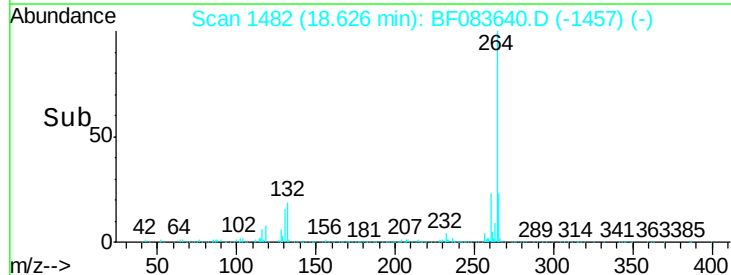
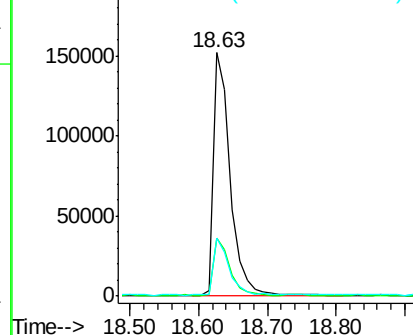


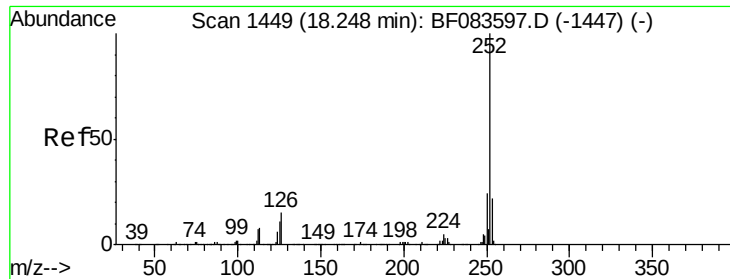
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF083640.D
 Acq: 9 Dec 2015 15:26

Tgt Ion:264 Resp: 260079
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 23.6 17.8 26.6



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: 2.36 ng

RT: 18.27 min Scan# 1451

Delta R.T. 0.02 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

Instrument :

BNA_F

ClientSampleId :

LS-SB29B(4.5-5)

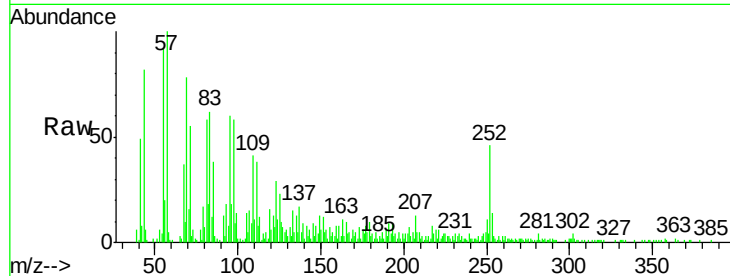
Tgt Ion:252 Resp: 34988

Ion Ratio Lower Upper

252 100

253 30.3 18.2 27.4#

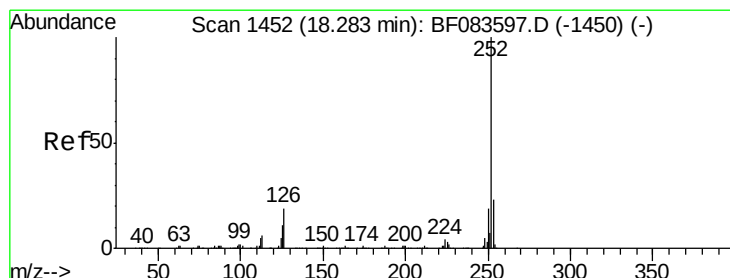
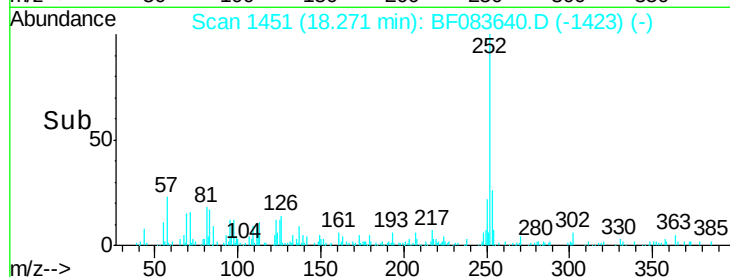
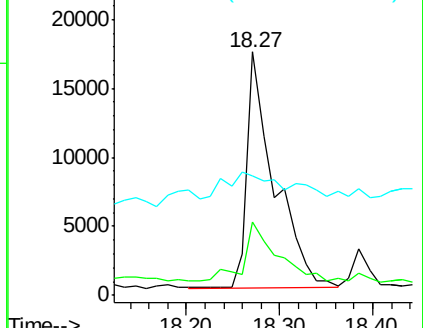
125 49.3 8.2 12.4#



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: 2.15 ng

RT: 18.27 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF083640.D

Acq: 9 Dec 2015 15:26

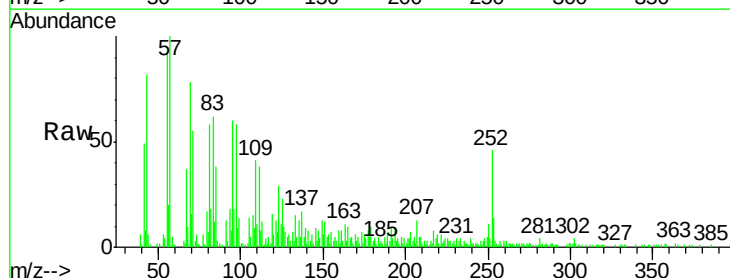
Tgt Ion:252 Resp: 35046

Ion Ratio Lower Upper

252 100

253 30.3 18.6 27.8#

125 49.3 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

