

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083898.D
 Acq On : 18 Dec 2015 5:44
 Operator : UM/SJ
 Sample : G4739-13DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K211-13-14DL

Quant Time: Dec 18 06:47:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	54938	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	206143	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	97716	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	137710	20.00	ng	0.01
75) Chrysene-d12	14.04	240	100235	20.00	ng	0.01
86) Perylene-d12	15.48	264	96539	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	209439	59.66	ng	0.00
7) Phenol-d6	6.51	99	247443	57.59	ng	0.00
23) Nitrobenzene-d5	7.44	82	166943	46.22	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	57043	52.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	285610	37.45	ng	-0.01
78) Terphenyl-d14	12.98	244	180136	38.59	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.25	79	38993	10.36	ng	# 36
9) Benzaldehyde	6.65	77	6047	2.34	ng	84
18) Hexachloroethane	7.39	117	22238	13.21	ng	# 7
19) n-Nitroso-di-n-propylamine	7.44	70	24322	9.71	ng	# 79
24) Nitrobenzene	7.49	77	10067	2.70	ng	# 12
25) Isophorone	7.44	82	142649	20.99	ng	# 66
31) Naphthalene	8.18	128	107983	8.62	ng	# 97
32) Benzoic acid	7.95	122	582	2.03	ng	# 1
33) 4-Chloroaniline	8.18	127	18272	3.90	ng	# 30
36) 4-Chloro-3-methylphenol	8.72	107	2415	Below Cal		# 1
37) 2-Methylnaphthalene	8.88	142	56754	7.92	ng	# 91
45) 1,1'-Biphenyl	9.33	154	6804	Below Cal		94
46) 2-Chloronaphthalene	9.41	162	1365	Below Cal		93
48) Acenaphthylene	9.78	152	121941	10.70	ng	# 97
49) Dimethylphthalate	9.63	163	37432	4.57	ng	# 87
51) Acenaphthene	9.94	154	27919	3.99	ng	94
53) 2,4-Dinitrophenol	9.85	184	363	10.79	ng	# 1
54) Dibenzofuran	10.12	168	20940	2.30	ng	# 62
55) 4-Nitrophenol	10.06	139	3513	2.98	ng	# 39
64) 4,6-Dinitro-2-methylphenol	10.28	198	304	4.26	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	18818	3.76	ng	# 81
66) 4-Bromophenyl-phenylether	10.70	248	3831	2.28	ng	# 1
70) Phenanthrene	11.47	178	163228	19.62	ng	98
71) Anthracene	11.47	178	163228	20.30	ng	99
74) Fluoranthene	12.61	202	313285	37.73	ng	98
77) Pyrene	12.84	202	415152	61.36	ng	100
80) Benzo(a)anthracene	14.03	228	233201	37.84	ng	93
82) Chrysene	14.03	228	233201	39.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	30674	6.89	ng	100
87) Benzo(b)fluoranthene	15.06	252	129789	18.44	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	129854	22.36	ng	# 97
89) Benzo(a)pyrene	15.41	252	101709	17.50	ng	# 94
90) Dibenzo(a,h)anthracene	16.91	278	11371	2.51	ng	# 84
91) Benzo(g,h,i)perylene	17.33	276	31464	7.10	ng	98

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QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration

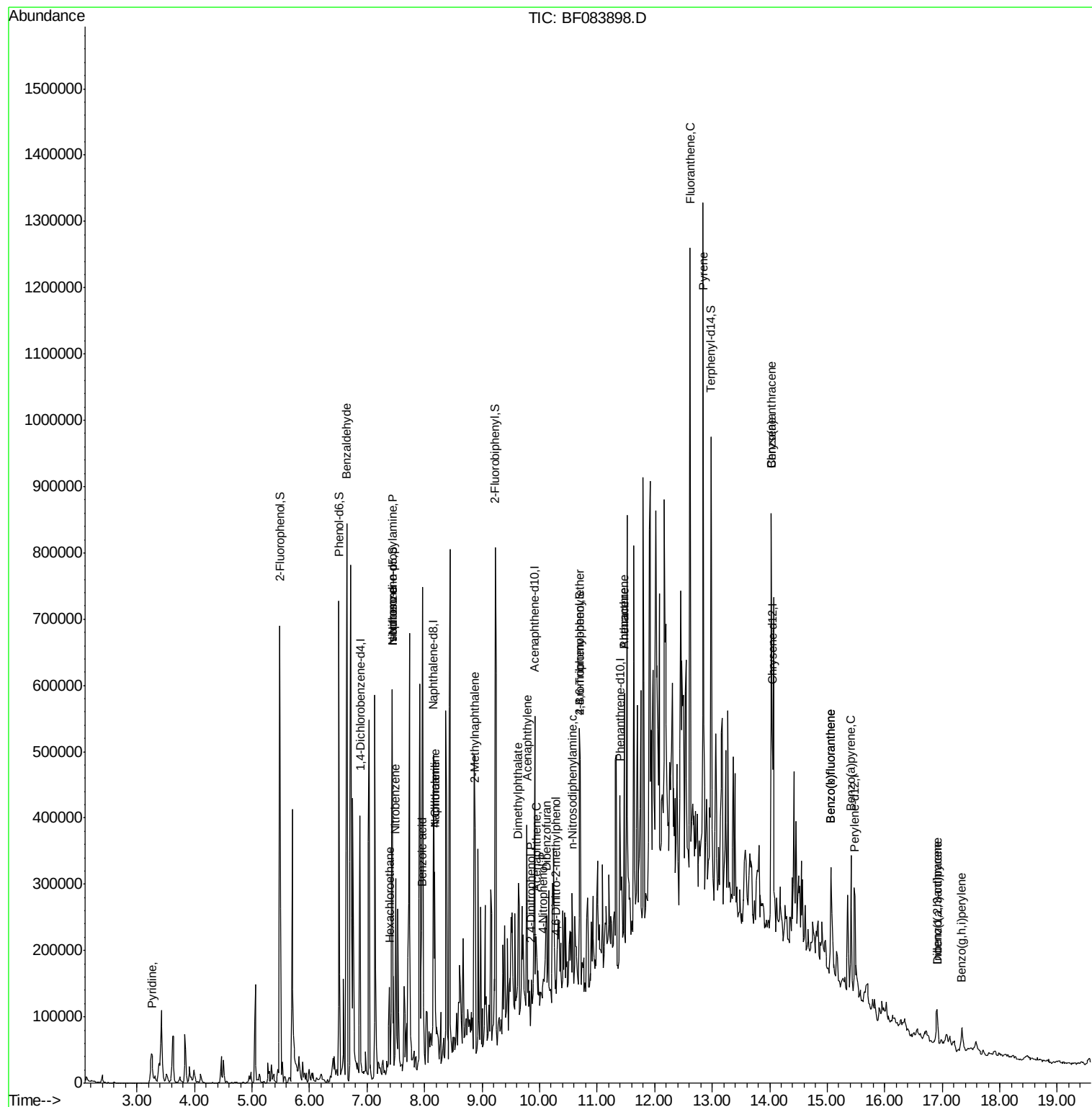
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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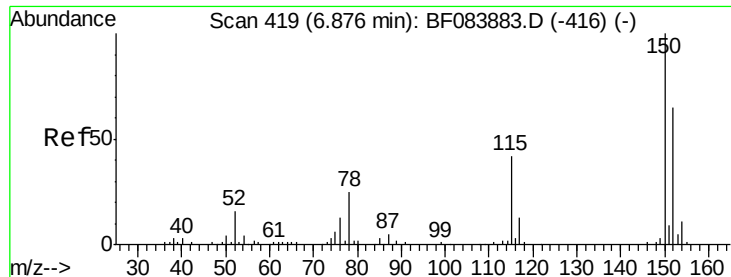
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

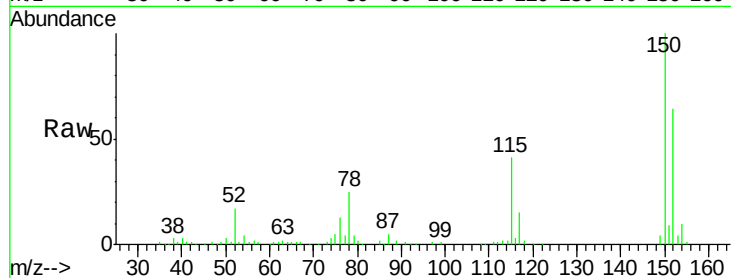
Tgt Ion:152 Resp: 54938

Ion Ratio Lower Upper

152 100

150 155.1 123.0 184.4

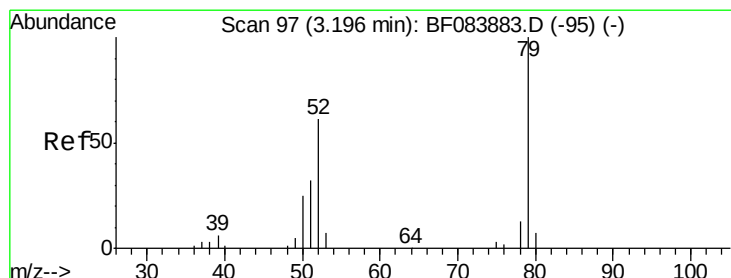
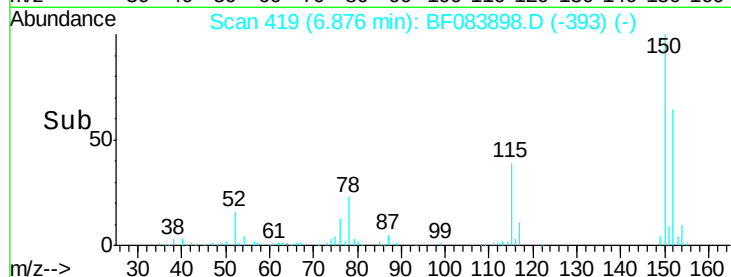
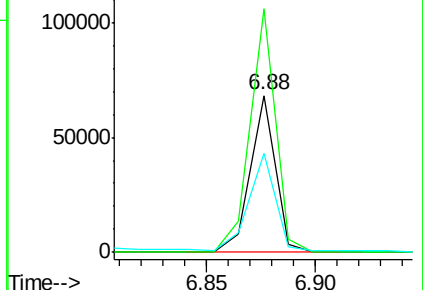
115 63.1 51.4 77.2



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



#3

Pyridine

Concen: 10.36 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

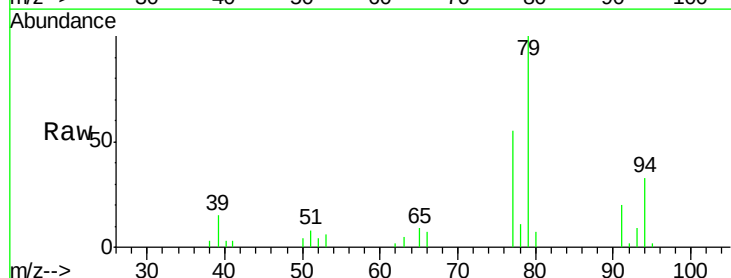
Tgt Ion: 79 Resp: 38993

Ion Ratio Lower Upper

79 100

52 4.1 49.0 73.4#

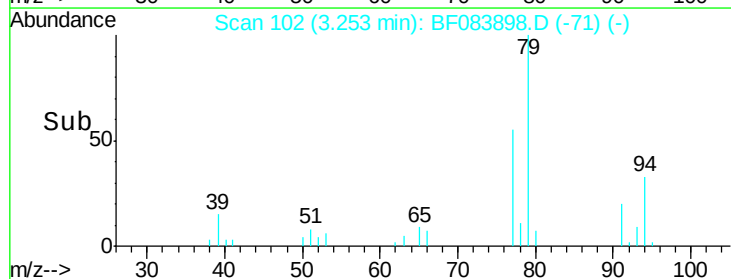
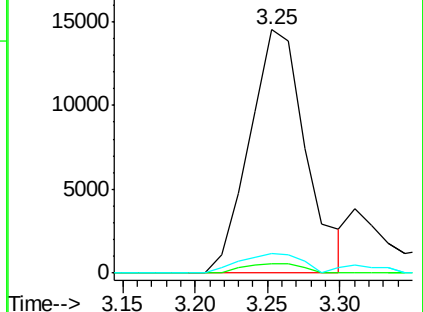
51 8.1 25.2 37.8#

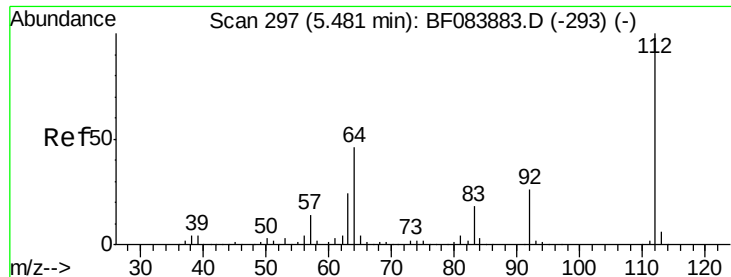


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 59.66 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

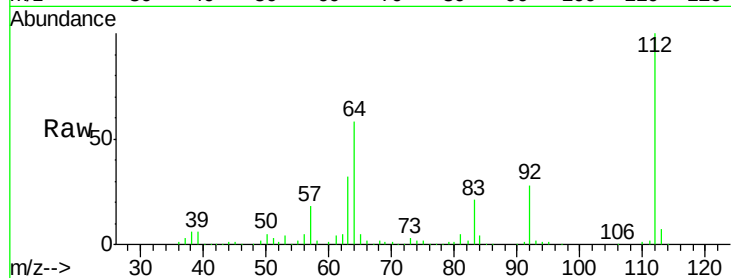
Tgt Ion: 112 Resp: 209439

Ion Ratio Lower Upper

112 100

64 58.2 36.6 55.0#

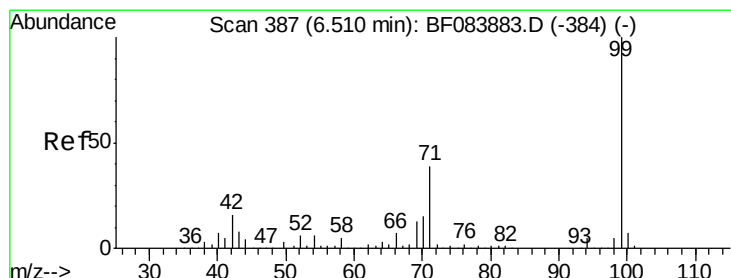
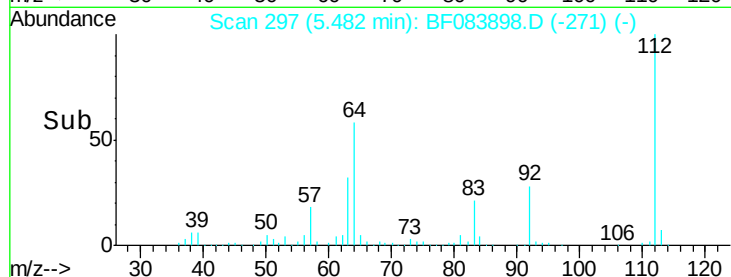
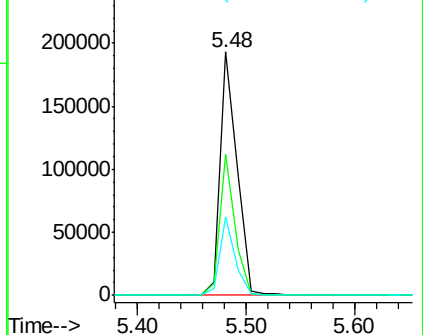
63 32.4 19.4 29.0#



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: 57.59 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

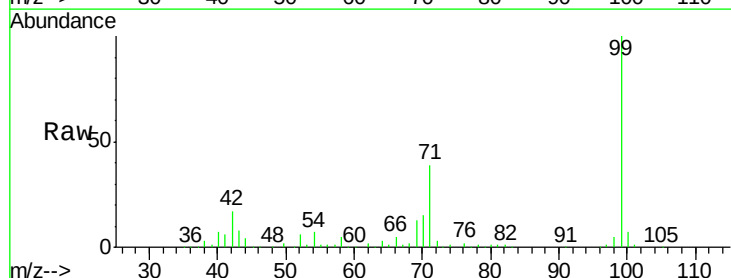
Tgt Ion: 99 Resp: 247443

Ion Ratio Lower Upper

99 100

42 17.4 12.8 19.2

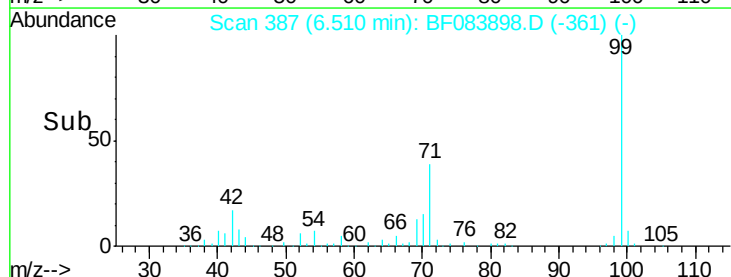
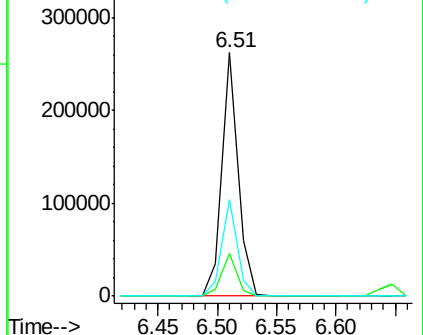
71 39.5 30.9 46.3

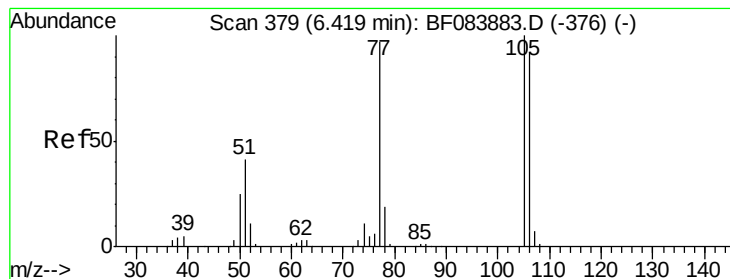


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.34 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

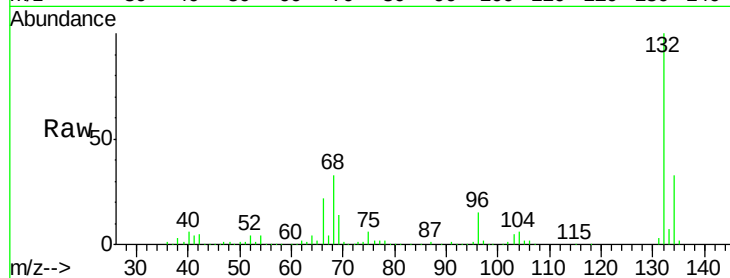
Tgt Ion: 77 Resp: 6047

Ion Ratio Lower Upper

77 100

105 88.2 83.0 123.0

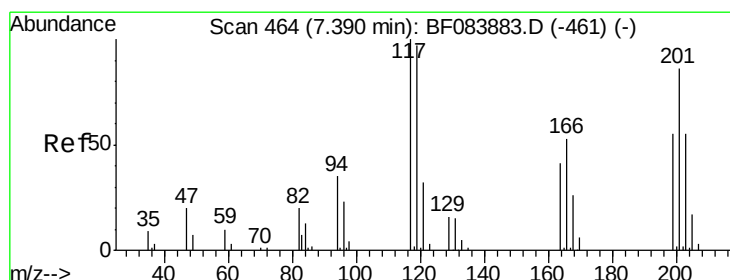
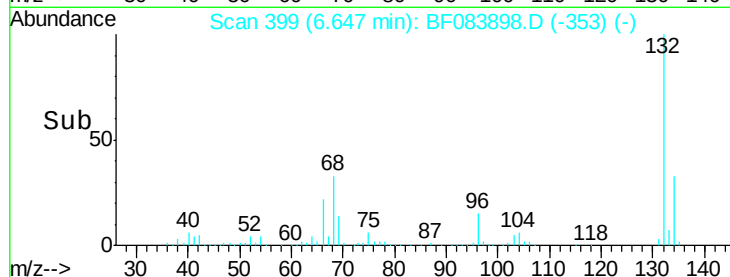
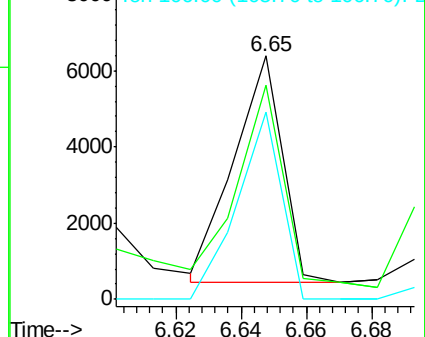
106 76.7 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#18

Hexachloroethane

Concen: 13.21 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

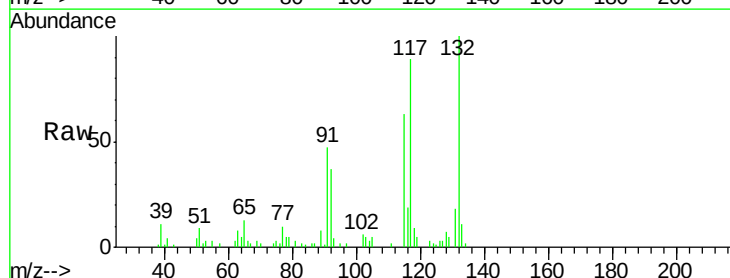
Tgt Ion: 117 Resp: 22238

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

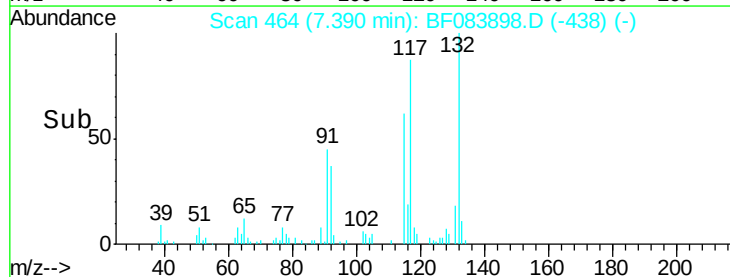
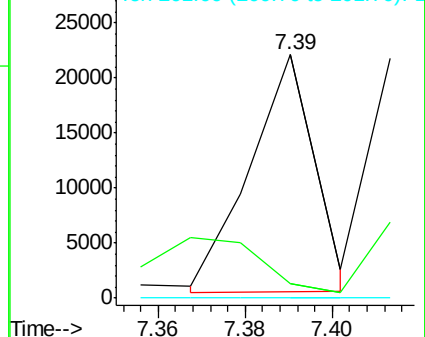
201 0.0 68.6 103.0#

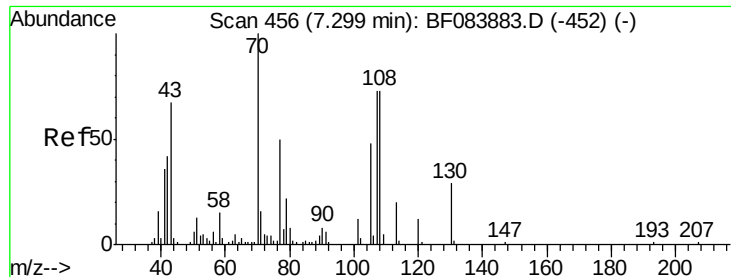


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

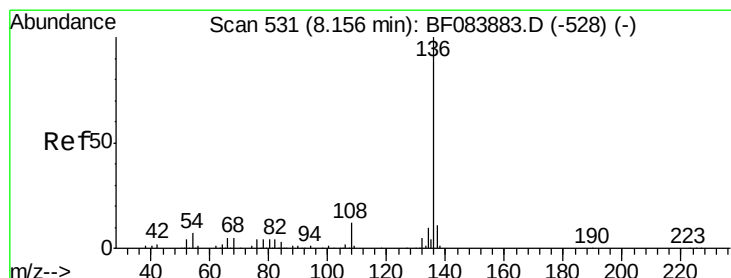
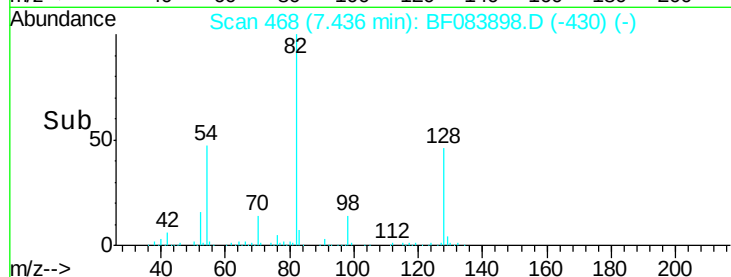
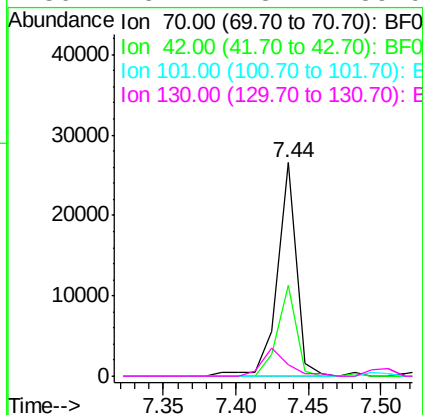
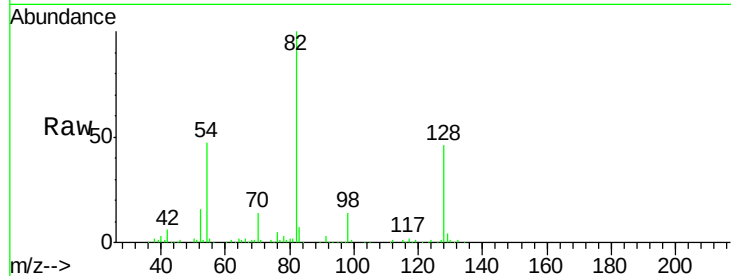




#19
n-Nitroso-di-n-propylamine
Concen: 9.71 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.14 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

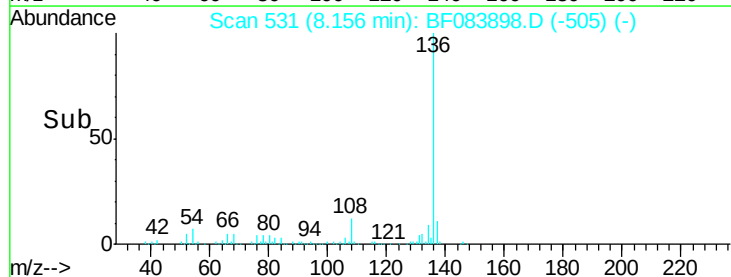
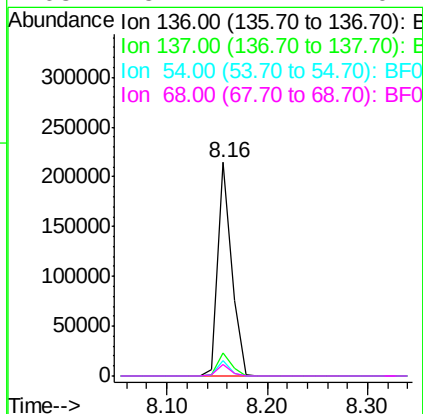
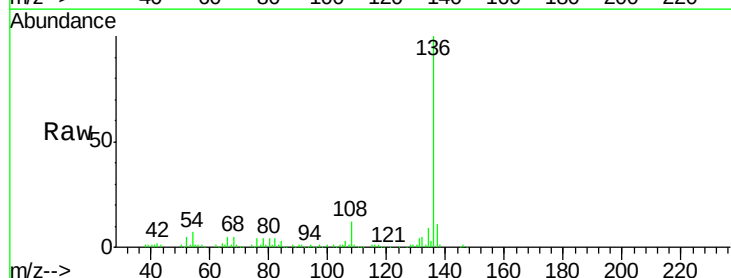
Instrument :
BNA_F
ClientSampleId :
K211-13-14DL

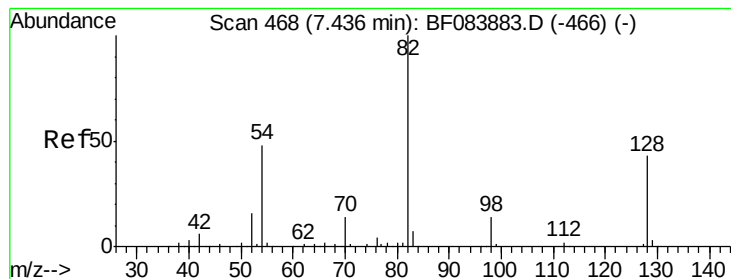
Tgt Ion: 70 Resp: 24322
Ion Ratio Lower Upper
70 100
42 42.5 33.3 49.9
101 0.0 9.3 13.9#
130 5.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

Tgt Ion: 136 Resp: 206143
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.3 5.8 8.8
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 46.22 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleID :

K211-13-14DL

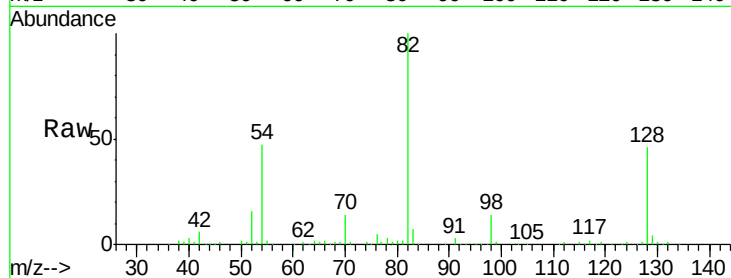
Tgt Ion: 82 Resp: 166943

Ion Ratio Lower Upper

82 100

128 46.4 34.6 51.8

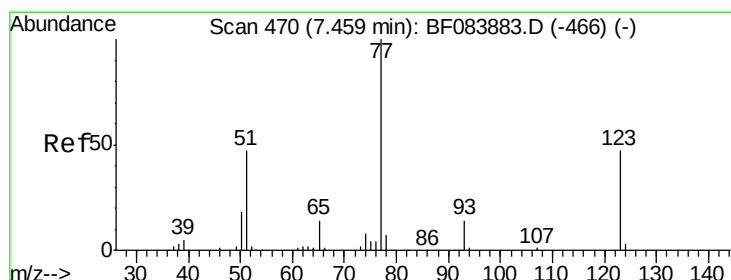
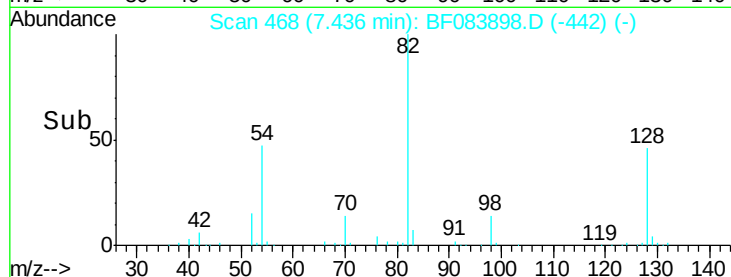
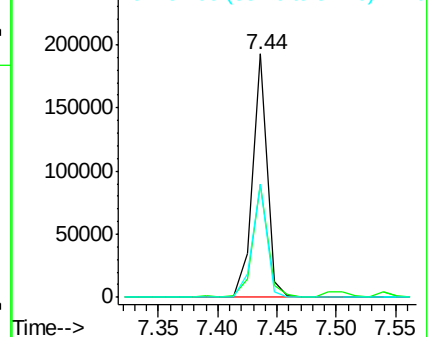
54 46.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.70 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.03 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

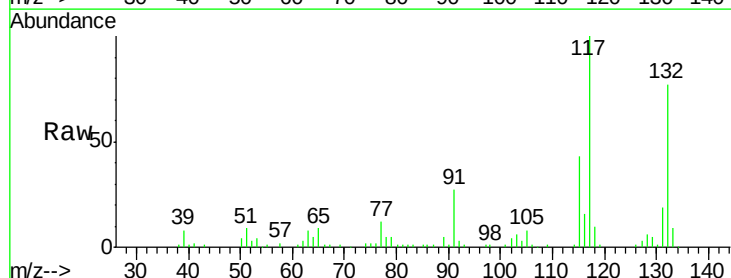
Tgt Ion: 77 Resp: 10067

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

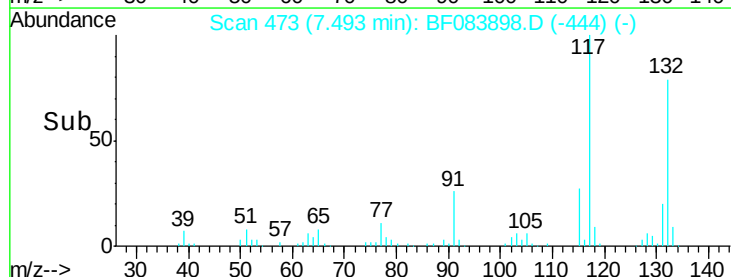
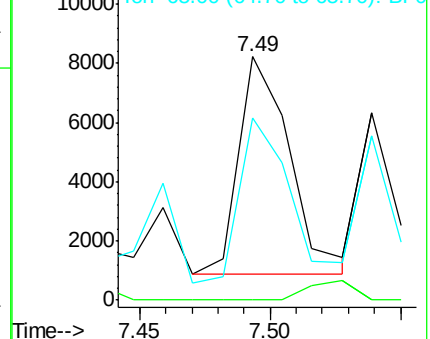
65 74.6 10.9 16.3#

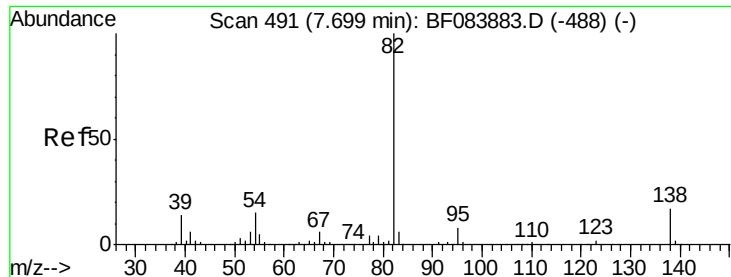


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 20.99 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

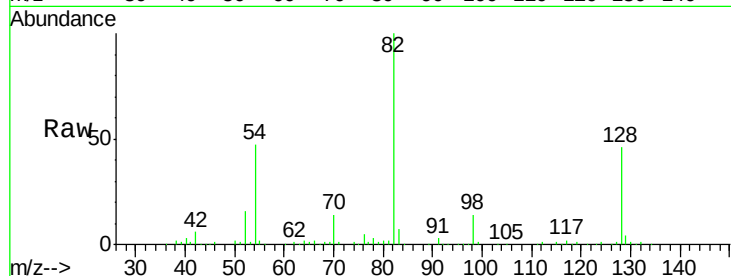
Tgt Ion: 82 Resp: 142649

Ion Ratio Lower Upper

82 100

95 0.2 6.6 10.0#

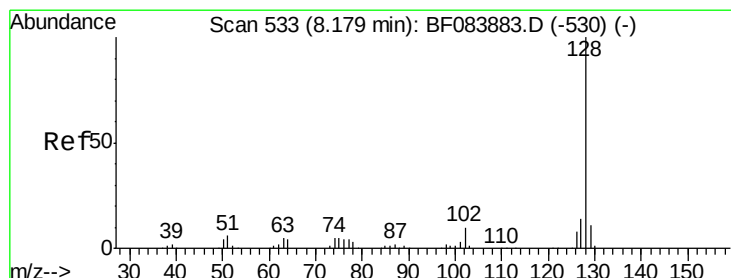
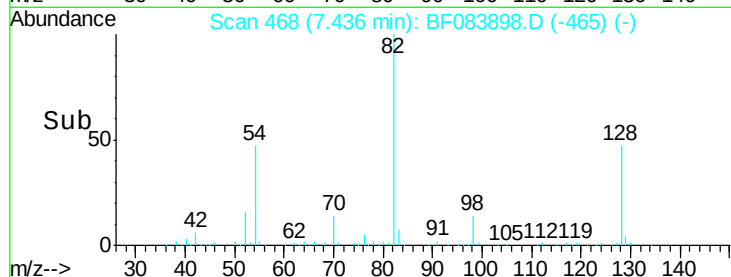
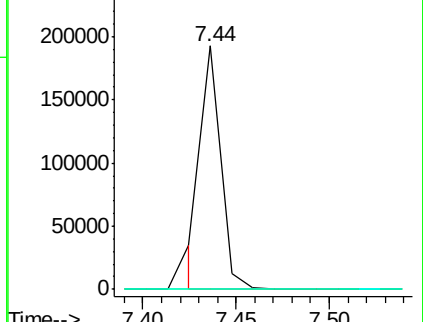
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 8.62 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

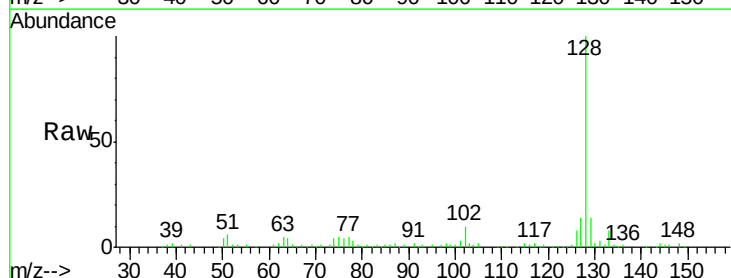
Tgt Ion: 128 Resp: 107983

Ion Ratio Lower Upper

128 100

129 13.9 9.1 13.7#

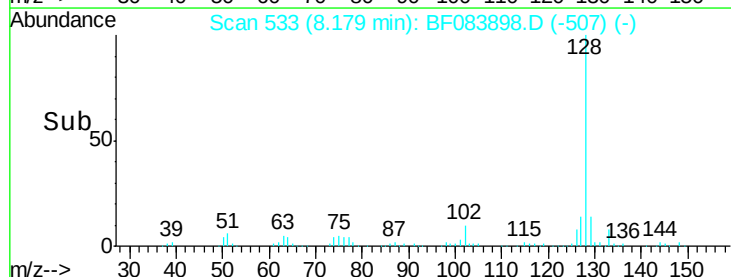
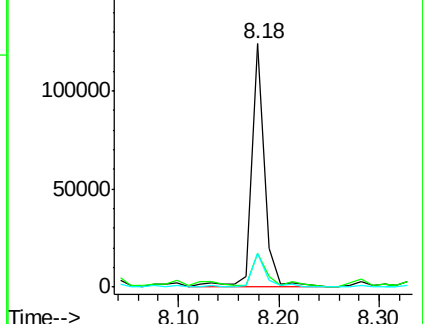
127 14.1 11.1 16.7

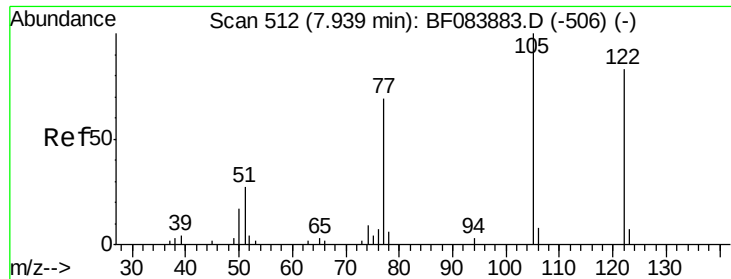


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

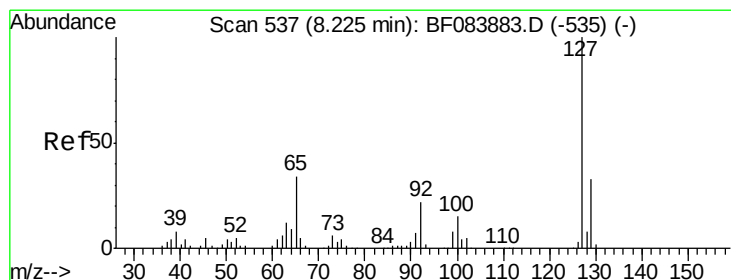
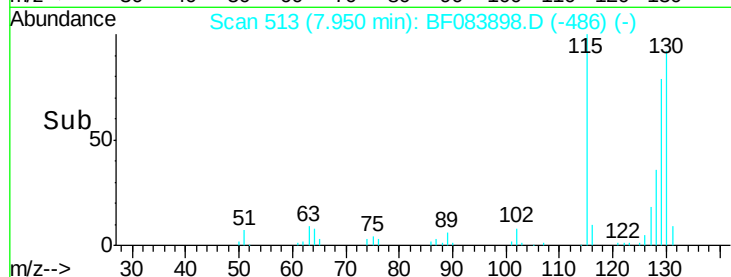
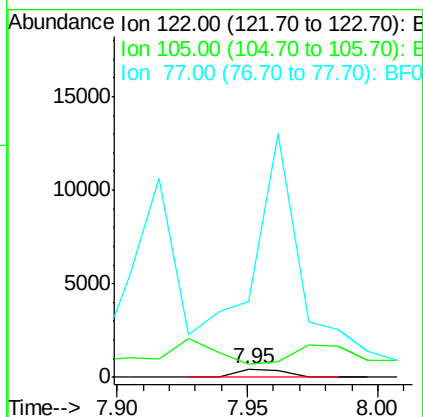
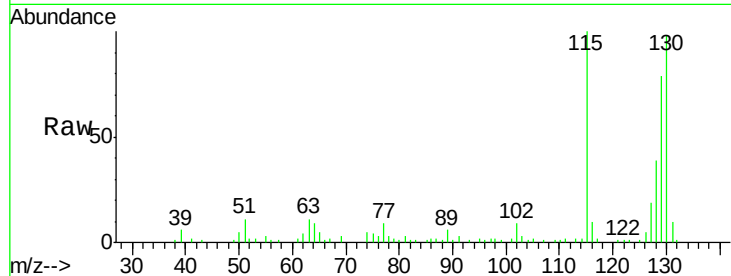




#32
Benzoic acid
Concen: 2.03 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

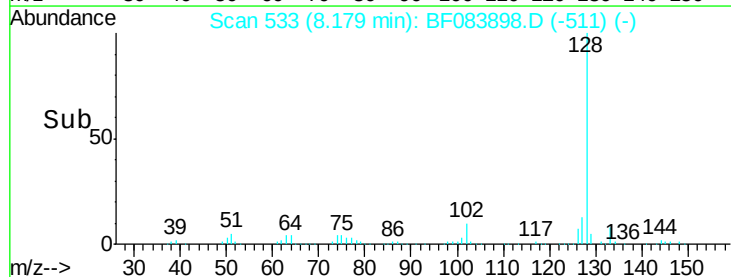
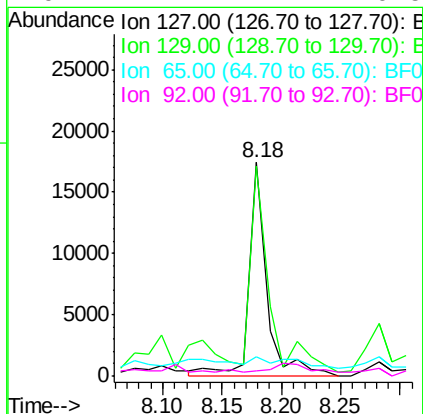
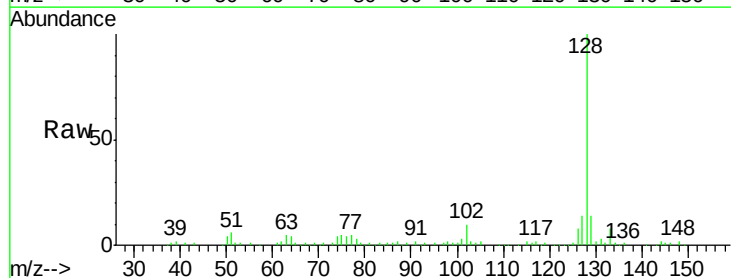
Instrument :
BNA_F
ClientSampleId :
K211-13-14DL

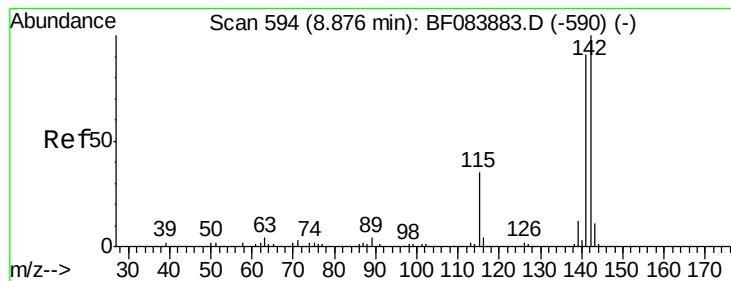
Tgt Ion:122 Resp: 582
Ion Ratio Lower Upper
122 100
105 160.3 100.3 140.3#
77 894.7 63.5 103.5#



#33
4-Chloroaniline
Concen: 3.90 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.05 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

Tgt Ion:127 Resp: 18272
Ion Ratio Lower Upper
127 100
129 98.6 26.5 39.7#
65 8.7 27.2 40.8#
92 2.7 17.7 26.5#





#37

2-Methylnaphthalene

Concen: 7.92 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampled :

K211-13-14DL

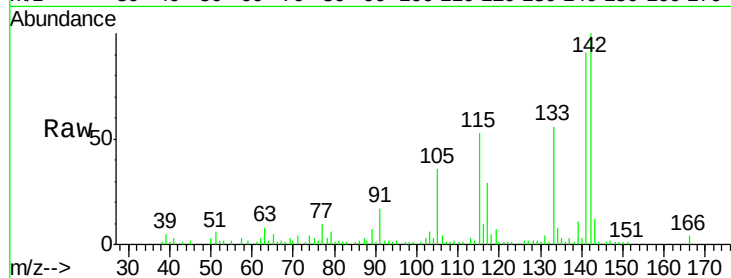
Tgt Ion:142 Resp: 56754

Ion Ratio Lower Upper

142 100

141 90.8 72.4 108.6

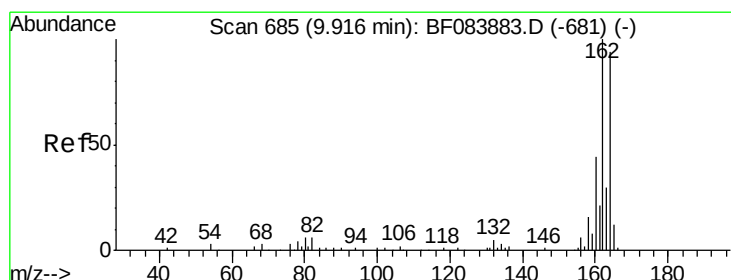
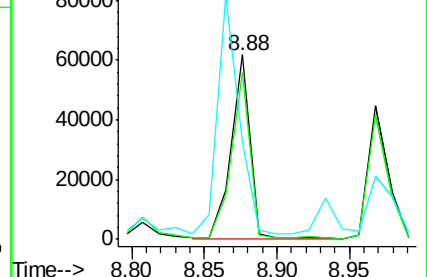
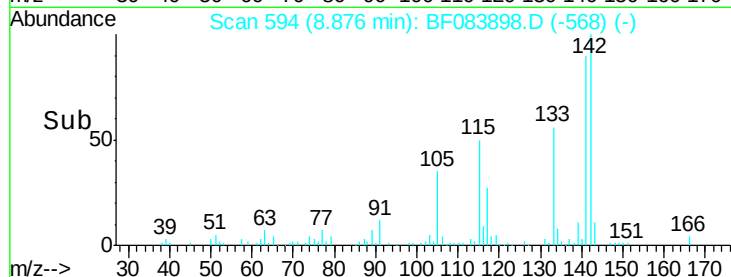
115 52.7 27.9 41.9#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

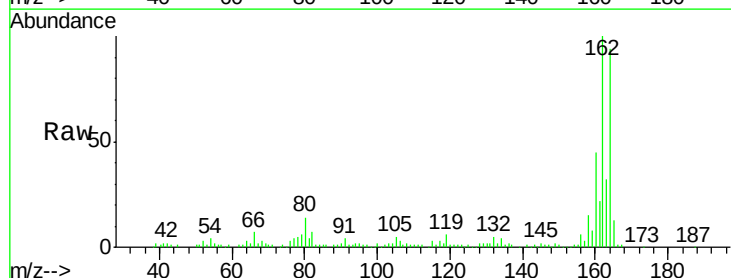
Tgt Ion:164 Resp: 97716

Ion Ratio Lower Upper

164 100

162 105.9 85.1 127.7

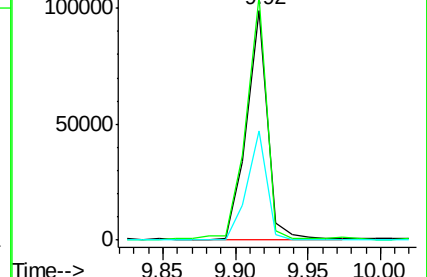
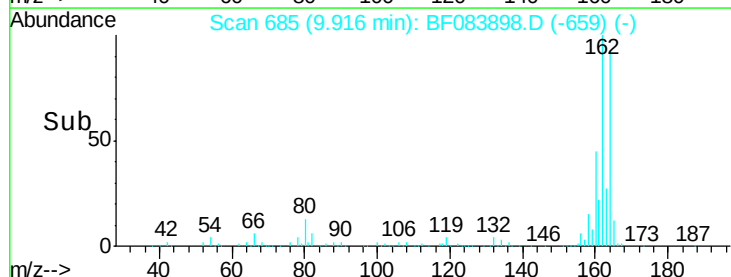
160 47.6 37.5 56.3

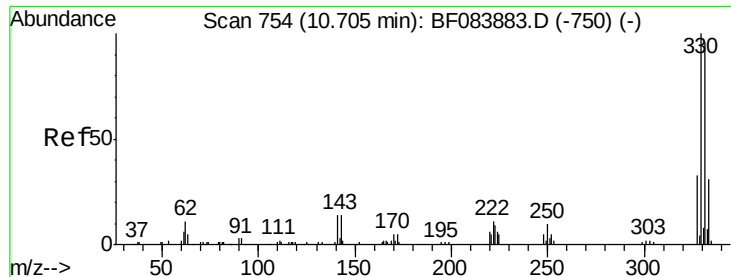


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

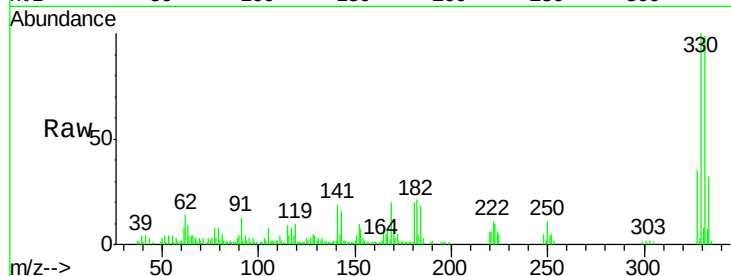




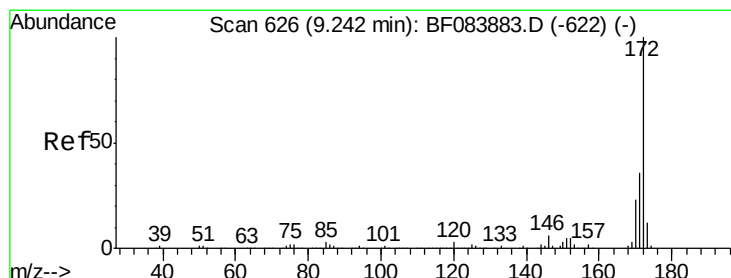
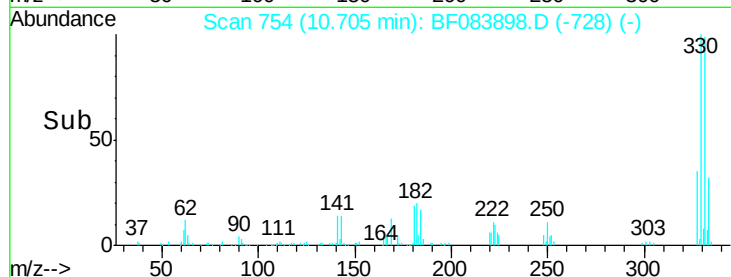
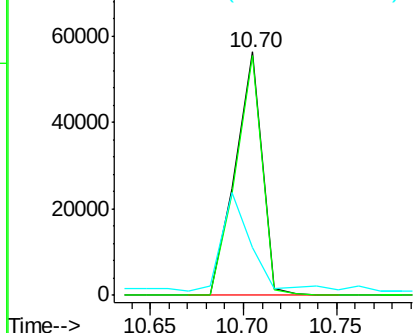
#41
 2,4,6-Tribromophenol
 Concen: 52.99 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Instrument :
 BNA_F
 ClientSampleId :
 K211-13-14DL

Tgt Ion:330 Resp: 57043
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 114.8
 141 41.8 27.8 41.6#

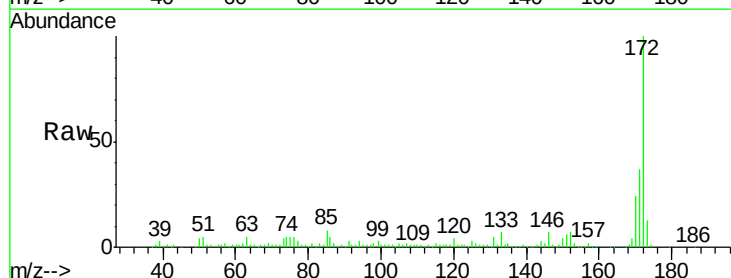


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

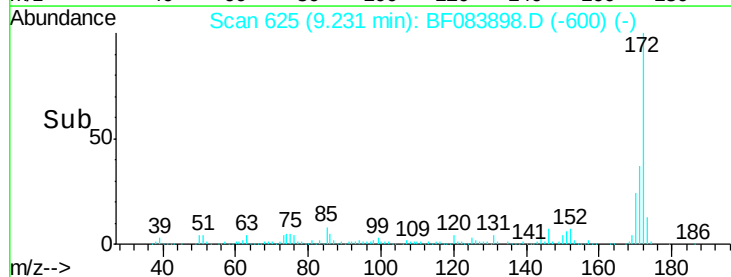
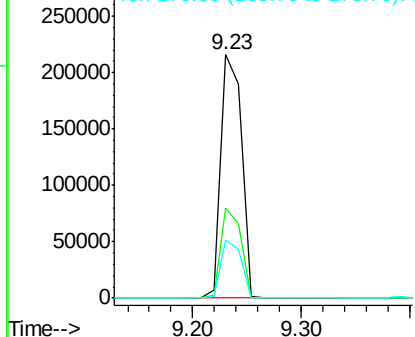


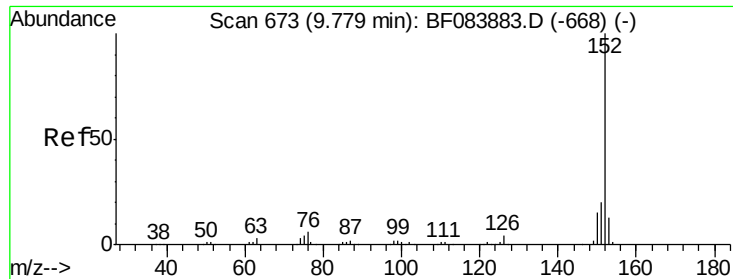
#44
 2-Fluorobiphenyl
 Concen: 37.45 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Tgt Ion:172 Resp: 285610
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 23.9 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 10.70 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

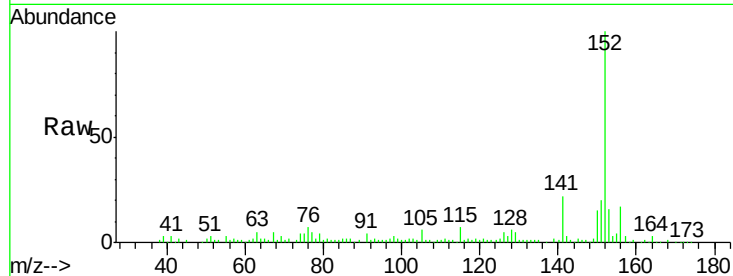
Tgt Ion:152 Resp: 121941

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

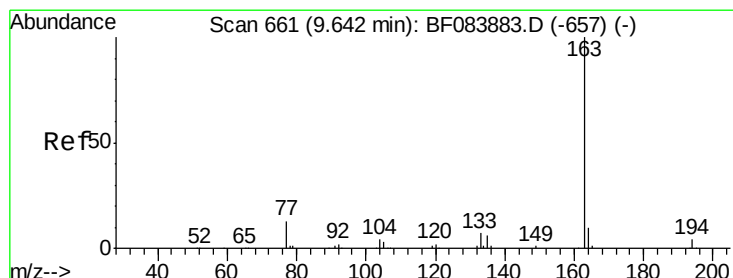
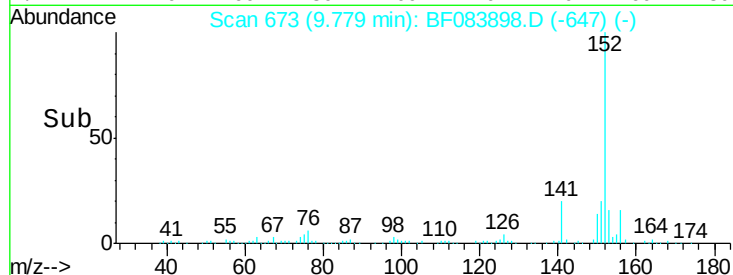
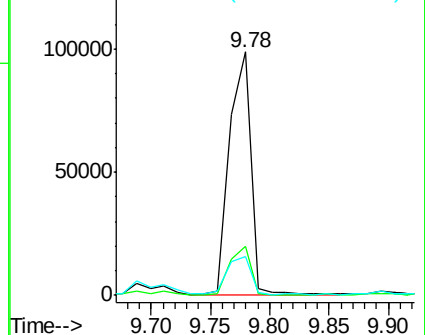
153 16.0 10.4 15.6#



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: 4.57 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

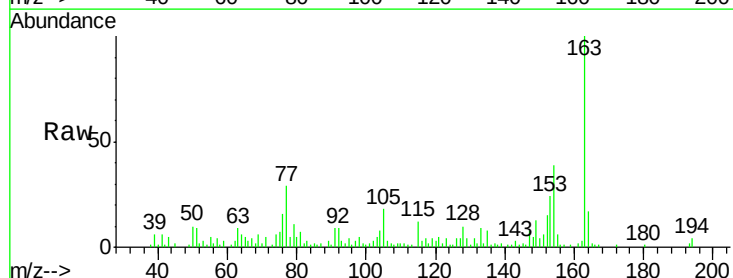
Tgt Ion:163 Resp: 37432

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

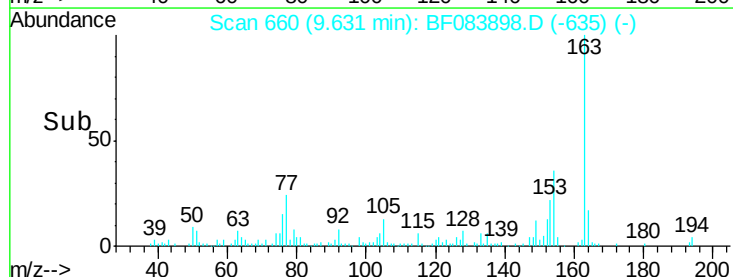
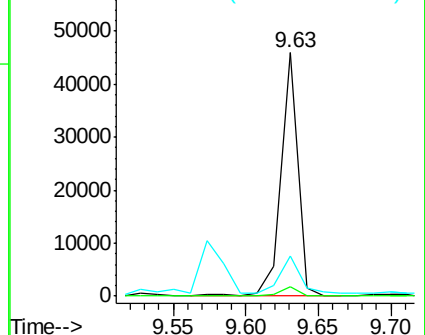
164 16.6 7.9 11.9#

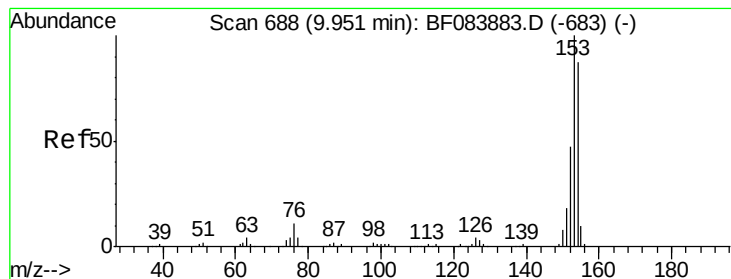


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.99 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

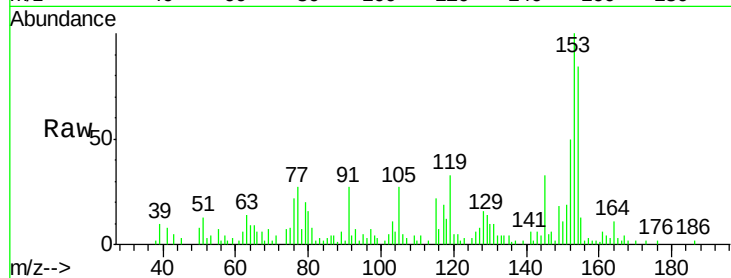
Tgt Ion:154 Resp: 27919

Ion Ratio Lower Upper

154 100

153 119.2 91.5 137.3

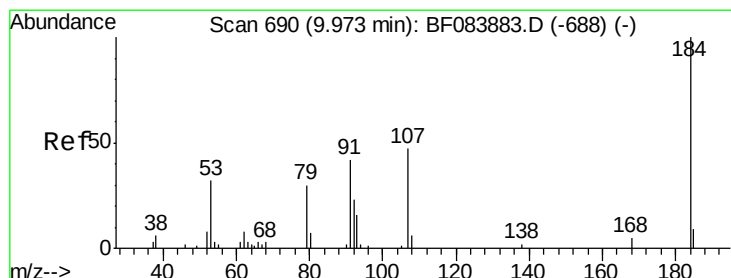
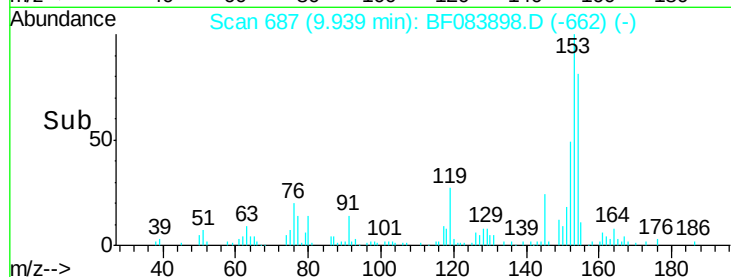
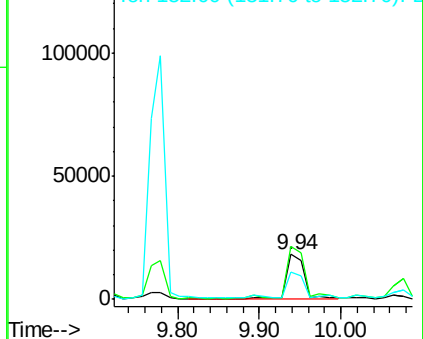
152 60.0 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.79 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.13 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

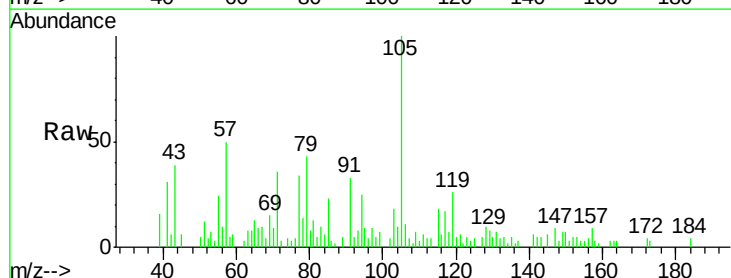
Tgt Ion:184 Resp: 363

Ion Ratio Lower Upper

184 100

63 217.4 43.1 64.7#

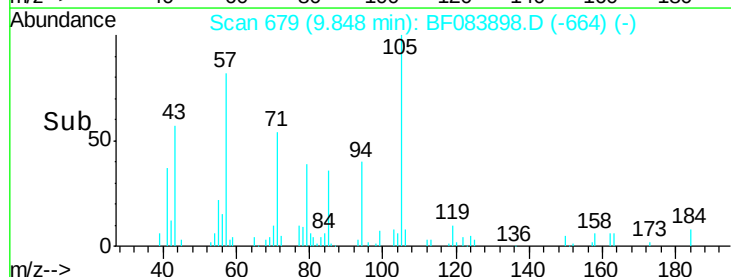
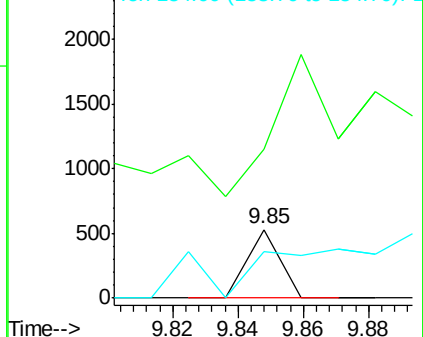
154 68.7 60.5 90.7

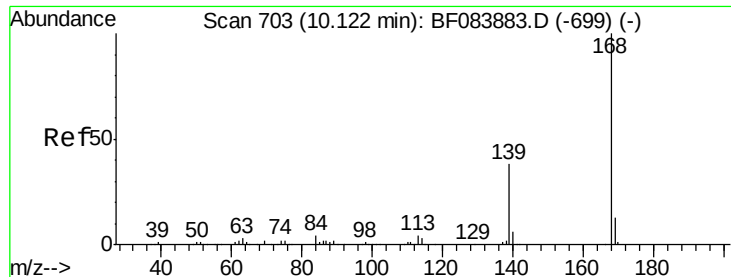


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

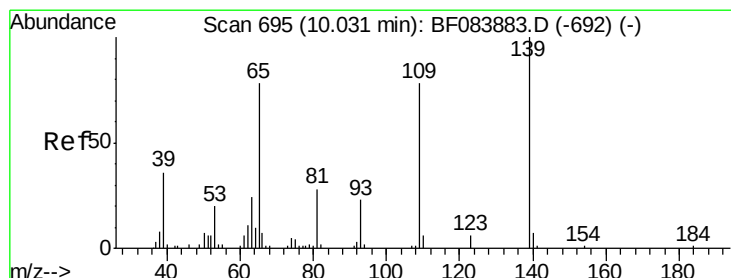
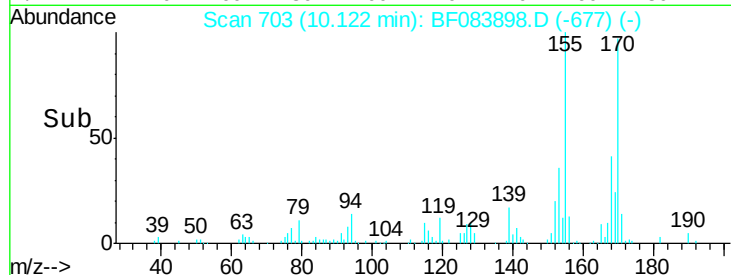
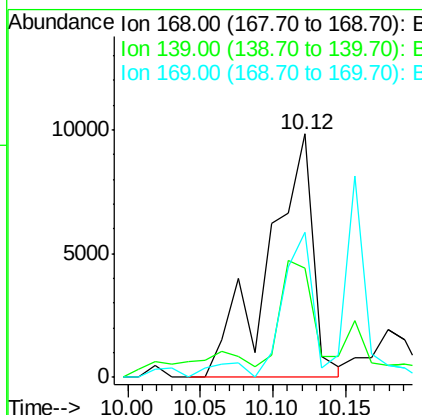
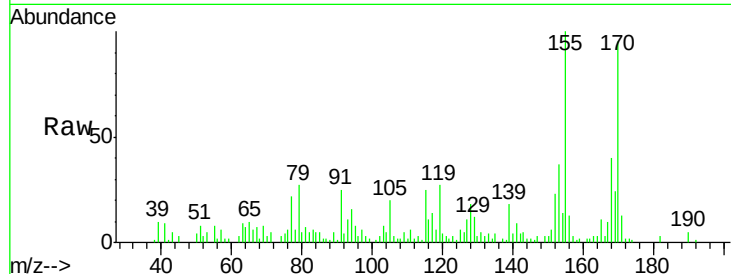




#54
Dibenzofuran
Concen: 2.30 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.00 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

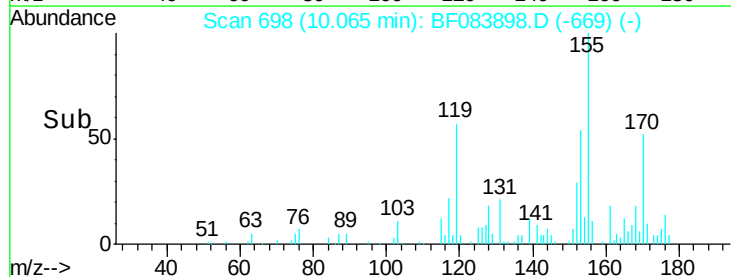
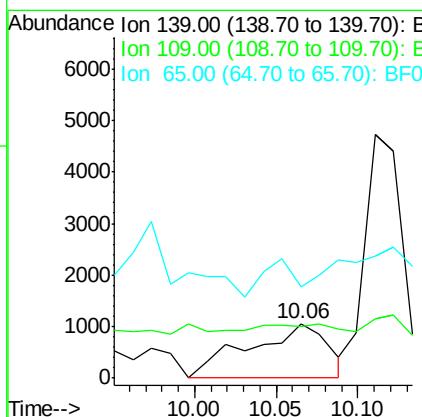
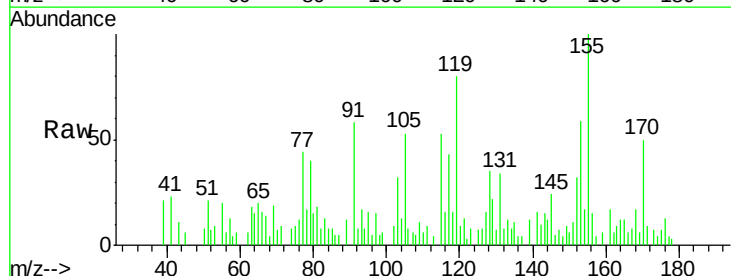
Instrument :
BNA_F
ClientSampleId :
K211-13-14DL

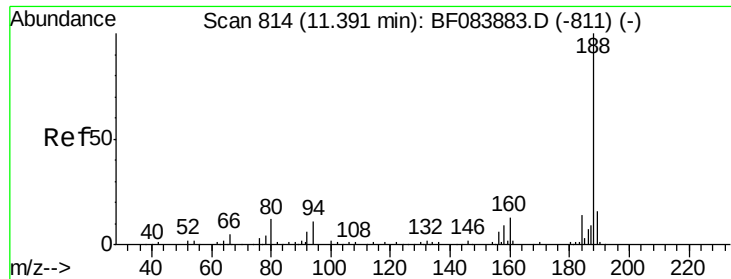
Tgt Ion:168 Resp: 20940
Ion Ratio Lower Upper
168 100
139 44.8 30.5 45.7
169 59.6 10.4 15.6#



#55
4-Nitrophenol
Concen: 2.98 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.03 min
Lab File: BF083898.D
Acq: 18 Dec 2015 5:44

Tgt Ion:139 Resp: 3513
Ion Ratio Lower Upper
139 100
109 94.7 58.5 98.5
65 167.6 57.6 97.6#

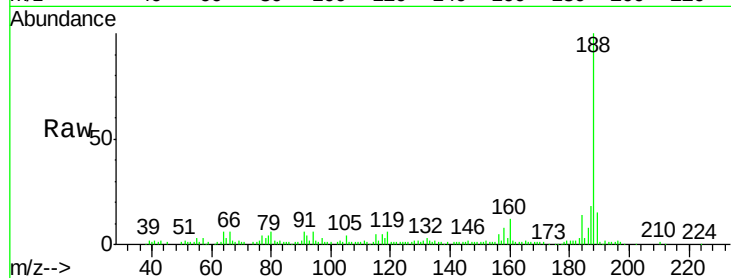




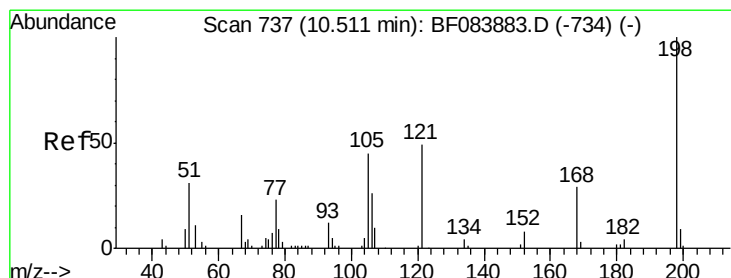
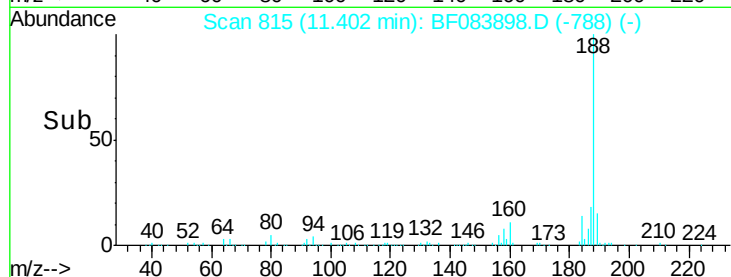
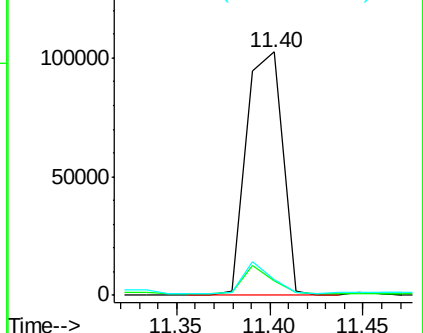
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Instrument :
 BNA_F
 ClientSampleId :
 K211-13-14DL

Tgt Ion:188 Resp: 137710
 Ion Ratio Lower Upper
 188 100
 94 6.2 9.0 13.4#
 80 6.4 9.6 14.4#

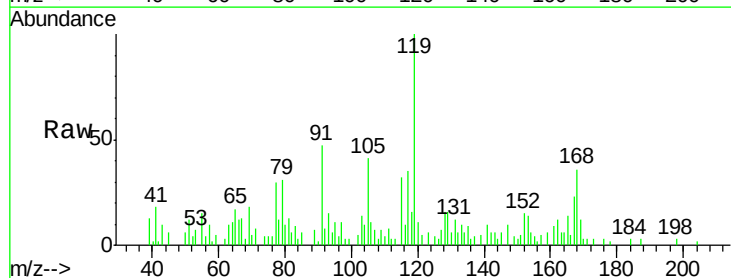


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

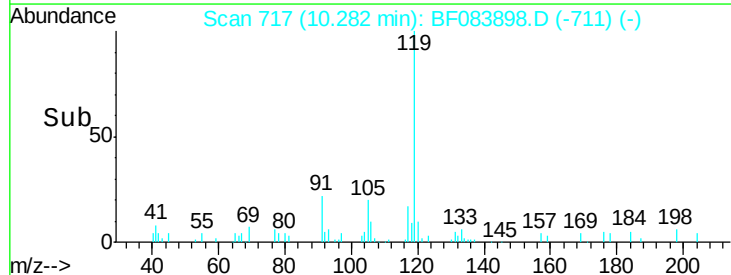
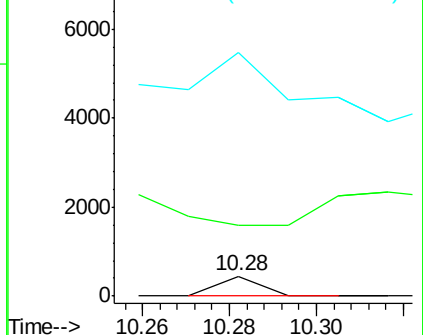


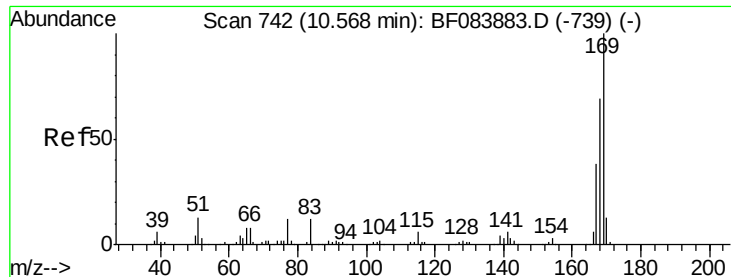
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.26 ng
 RT: 10.28 min Scan# 717
 Delta R.T. -0.23 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Tgt Ion:198 Resp: 304
 Ion Ratio Lower Upper
 198 100
 51 356.5 18.9 58.9#
 105 1232.7 26.4 66.4#



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: 3.76 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

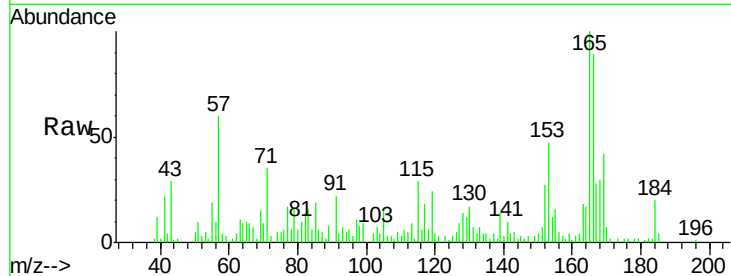
Tgt Ion:169 Resp: 18818

Ion Ratio Lower Upper

169 100

168 70.8 55.1 82.7

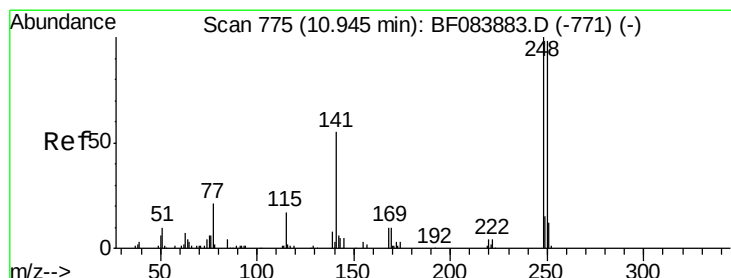
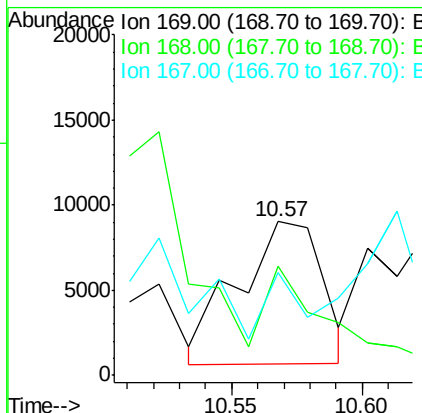
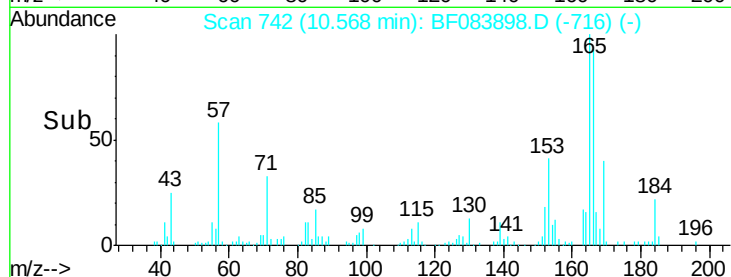
167 67.2 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.28 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.24 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

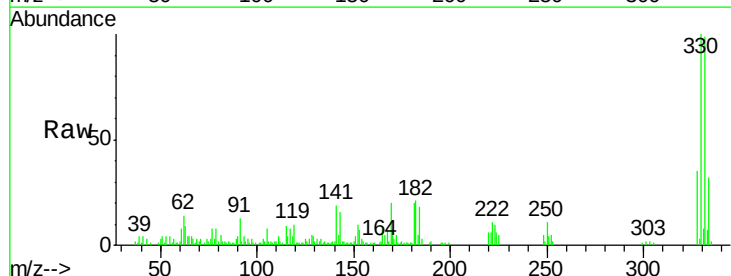
Tgt Ion:248 Resp: 3831

Ion Ratio Lower Upper

248 100

250 196.8 78.4 117.6#

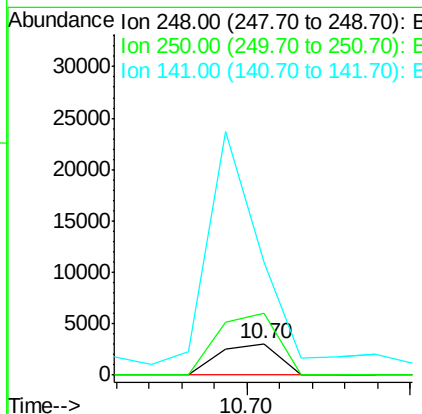
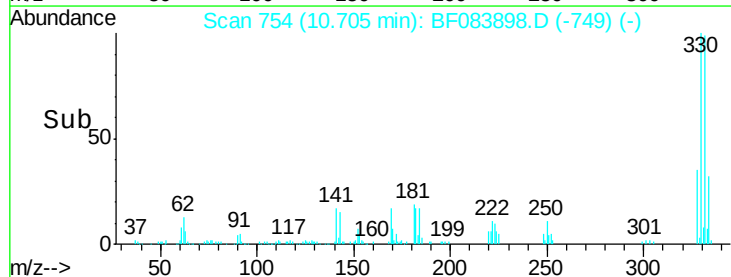
141 357.1 44.0 66.0#

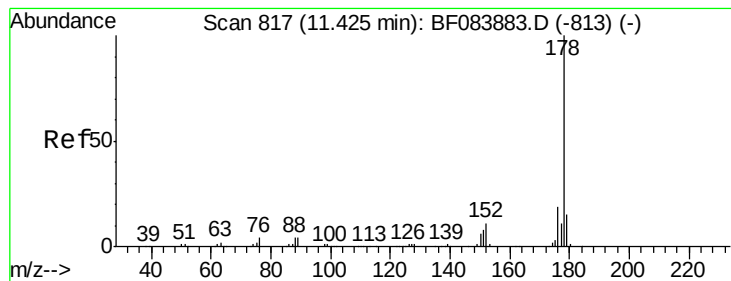


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 19.62 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.05 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

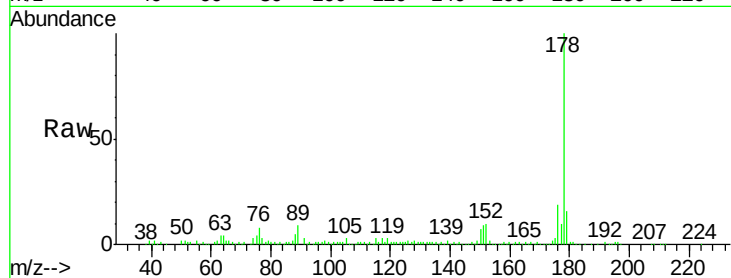
Tgt Ion:178 Resp: 163228

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

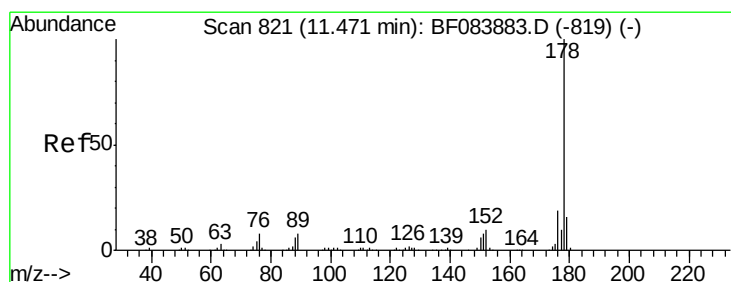
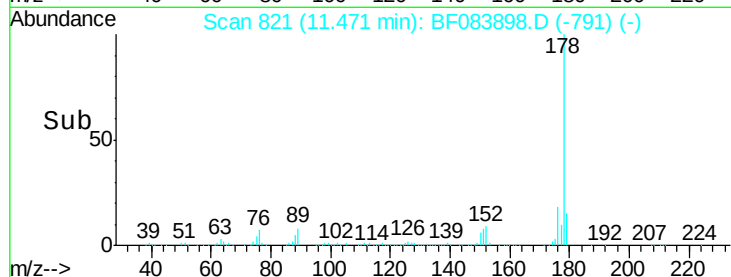
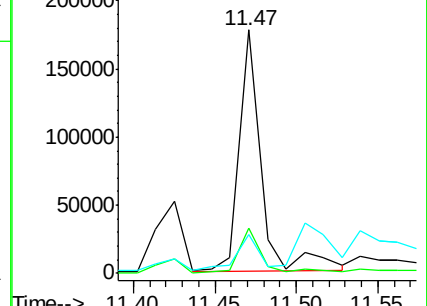
179 16.0 12.0 18.0



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: 20.30 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

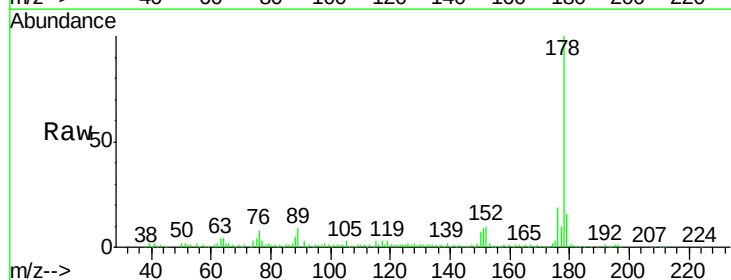
Tgt Ion:178 Resp: 163228

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

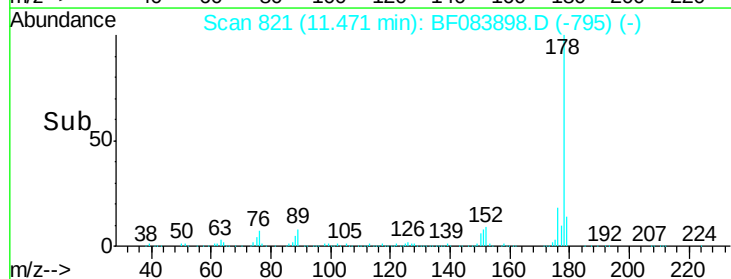
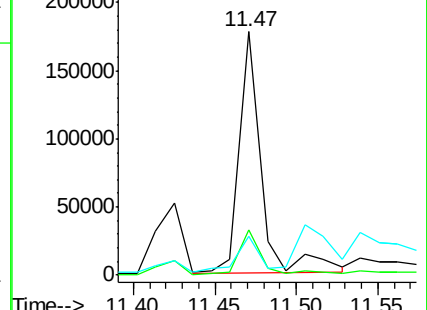
179 16.0 12.5 18.7

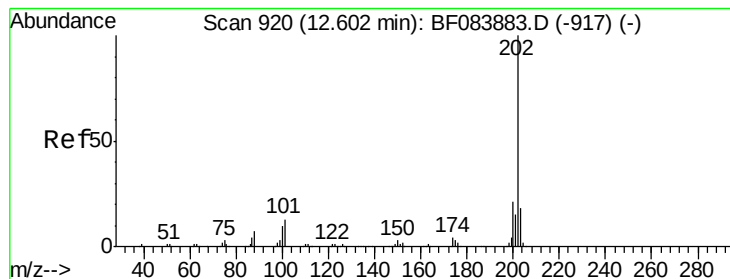


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 37.73 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

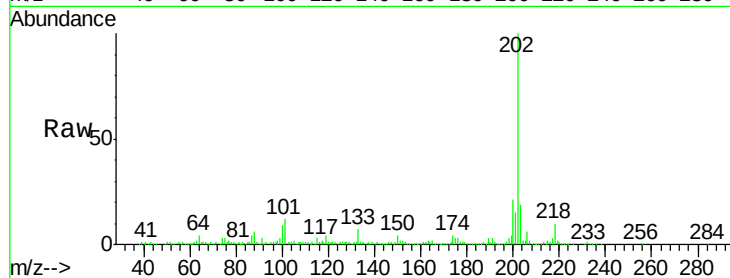
Tgt Ion:202 Resp: 313285

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.8

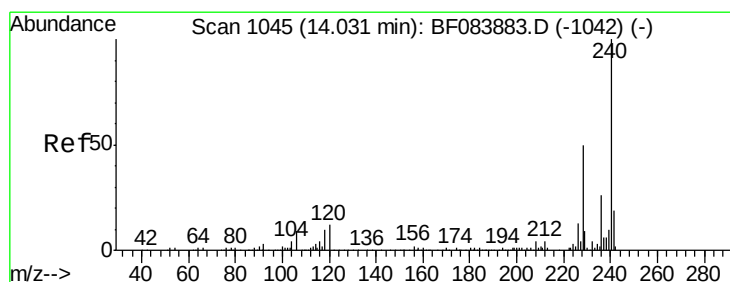
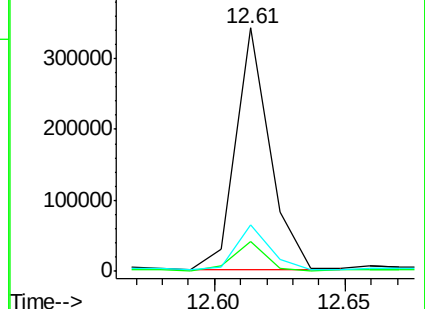
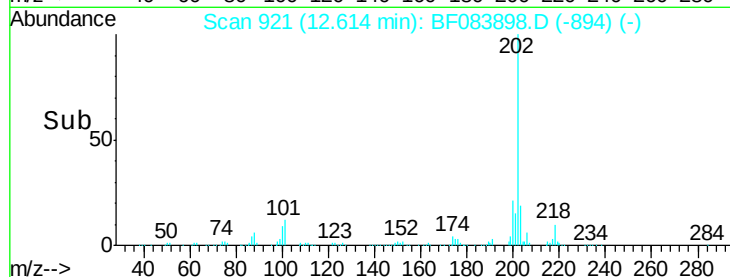
203 18.9 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

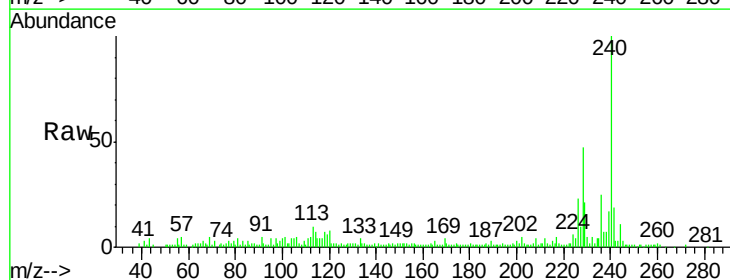
Tgt Ion:240 Resp: 100235

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

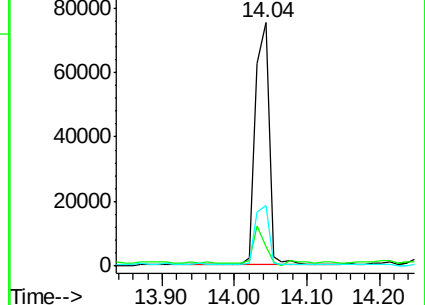
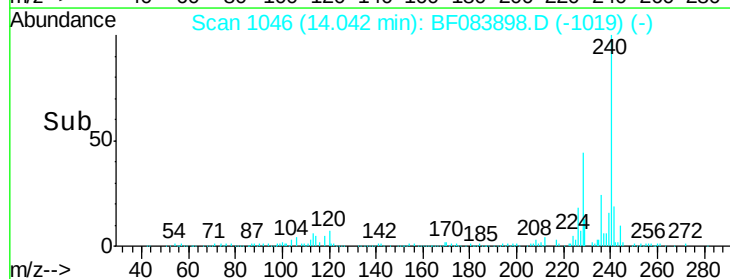
236 24.9 20.6 31.0

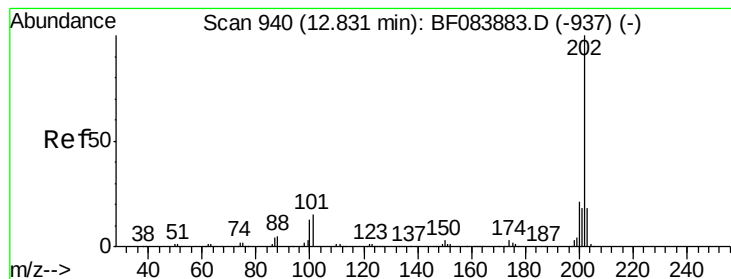


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 61.36 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

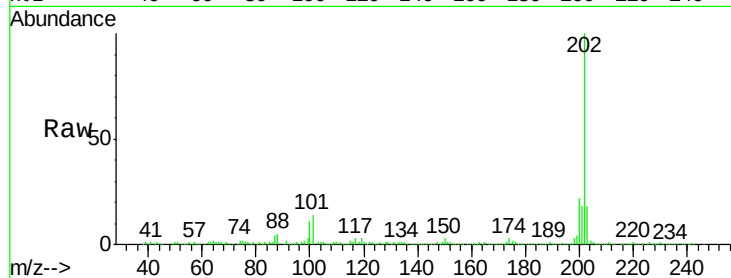
Tgt Ion:202 Resp: 415152

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

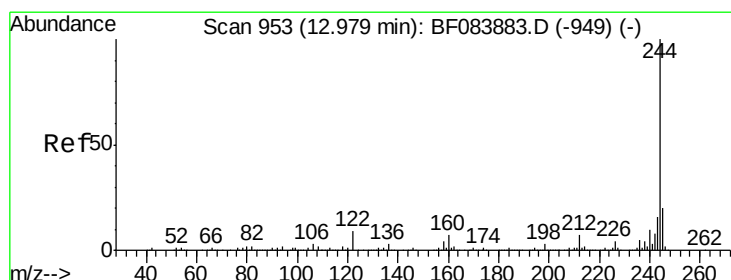
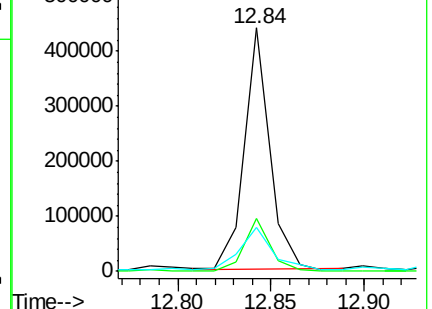
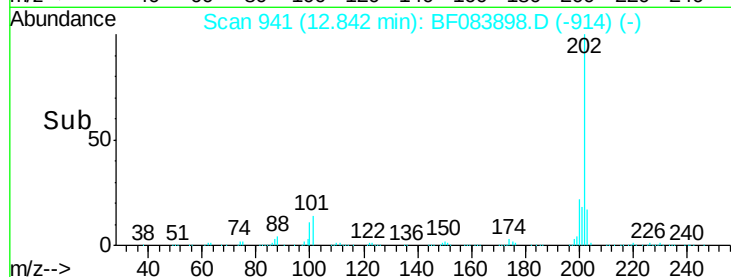
203 18.2 14.3 21.5



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: 38.59 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

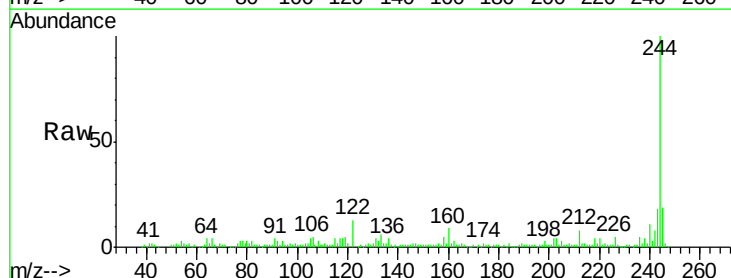
Tgt Ion:244 Resp: 180136

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

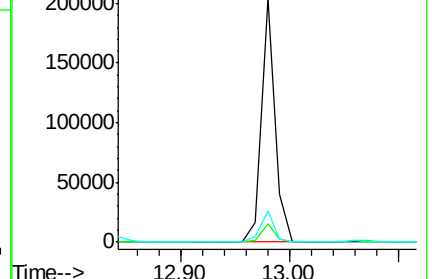
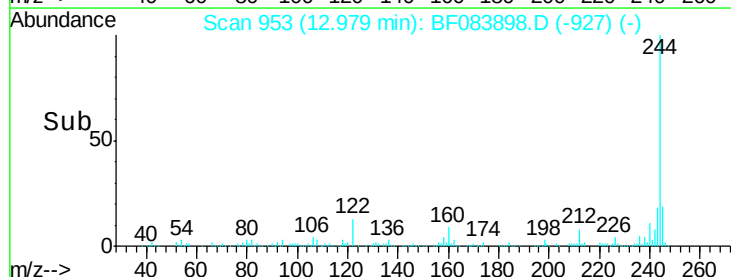
122 12.9 7.4 11.0#

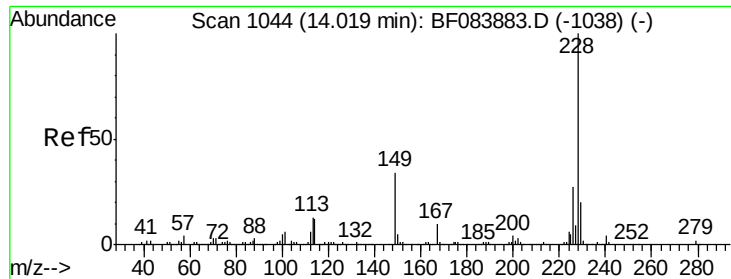


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 37.84 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

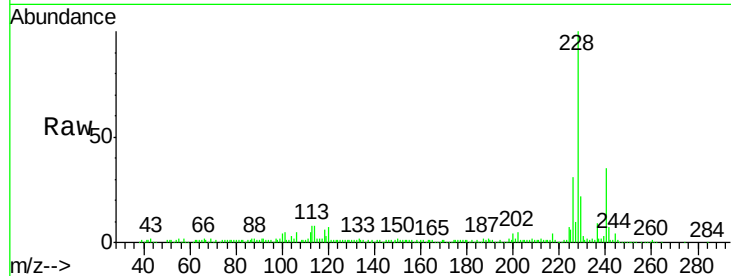
Tgt Ion:228 Resp: 233201

Ion Ratio Lower Upper

228 100

226 31.1 21.8 32.6

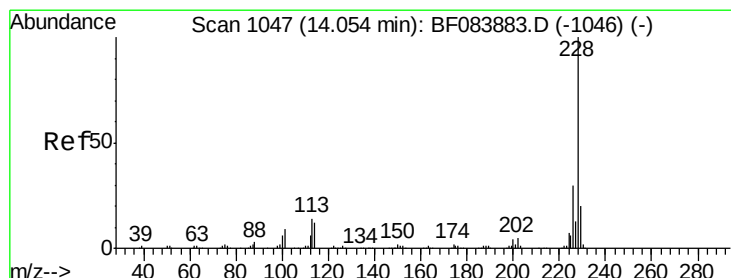
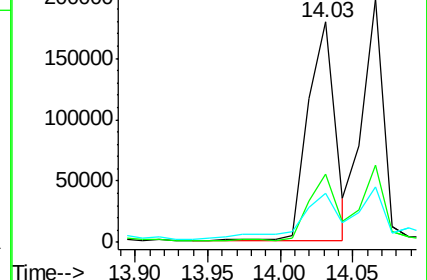
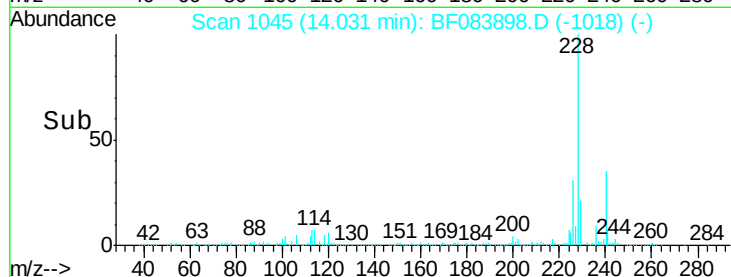
229 22.5 15.8 23.8



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: 39.17 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

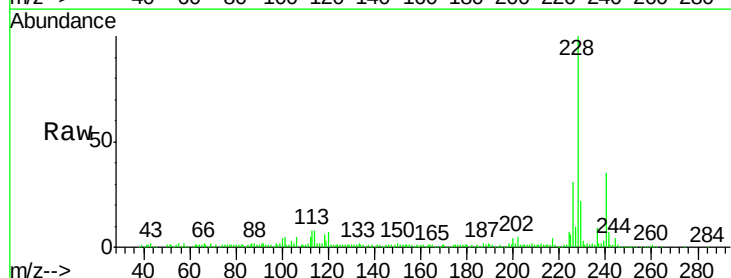
Tgt Ion:228 Resp: 233201

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

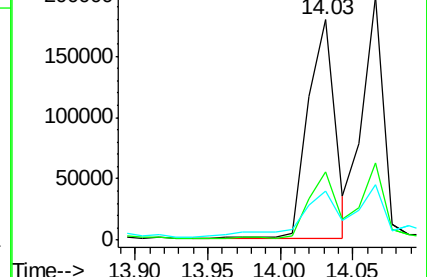
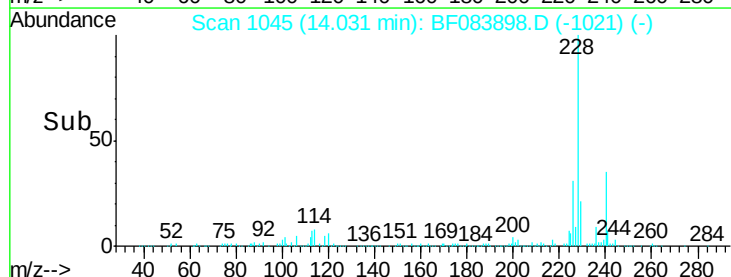
229 22.5 16.1 24.1

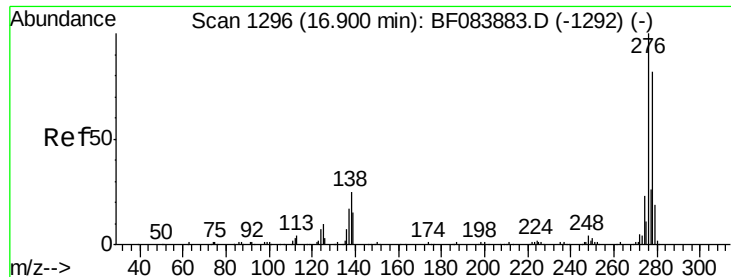


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

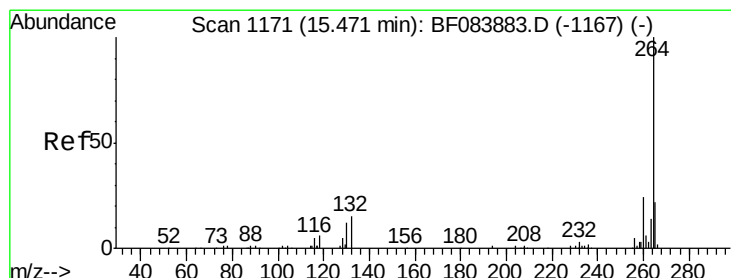
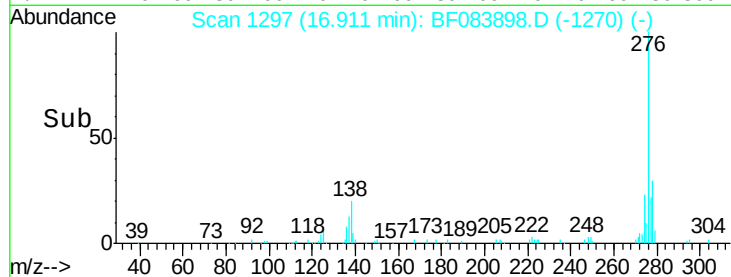
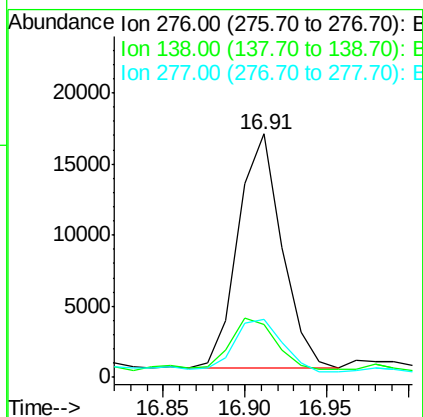
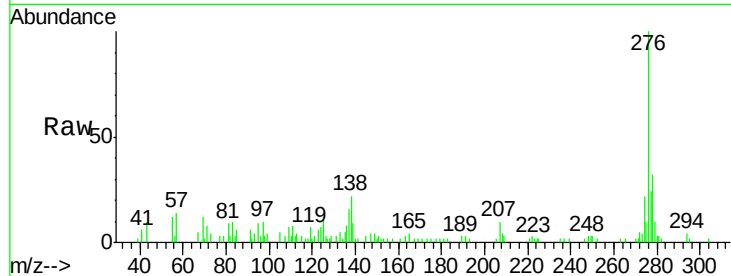




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.89 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

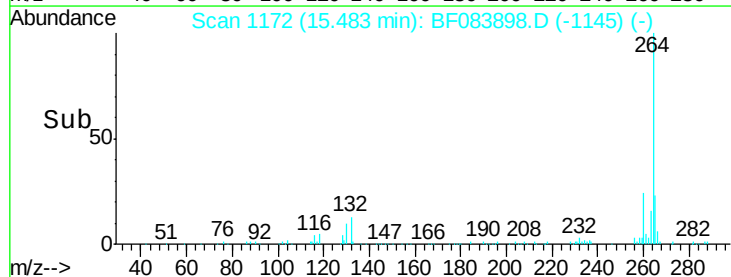
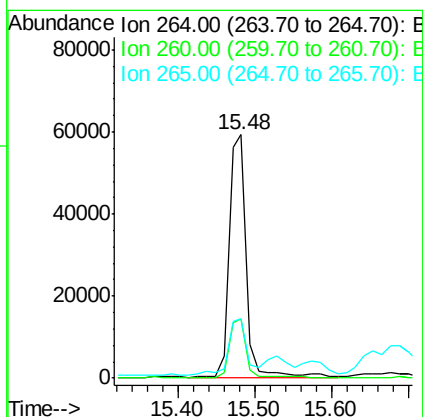
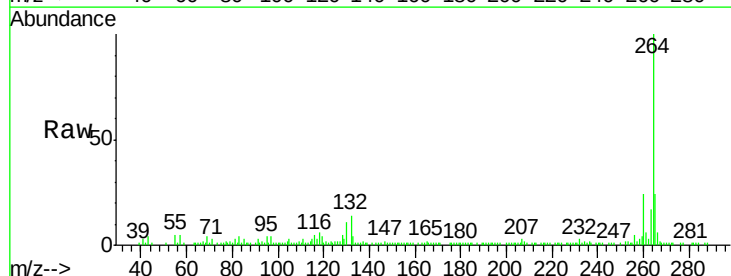
Instrument :
 BNA_F
 ClientSampleId :
 K211-13-14DL

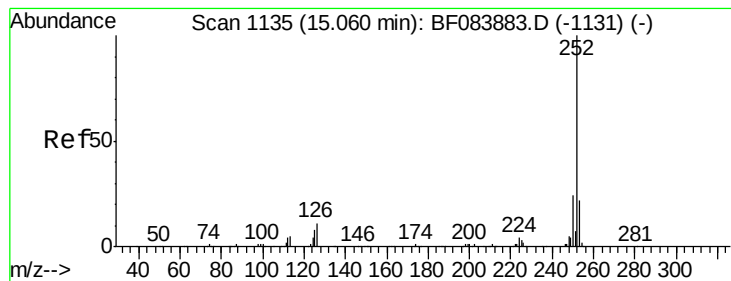
Tgt Ion: 276 Resp: 30674
 Ion Ratio Lower Upper
 276 100
 138 25.8 20.6 30.8
 277 24.8 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Tgt Ion: 264 Resp: 96539
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 24.4 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 18.44 ng

RT: 15.06 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

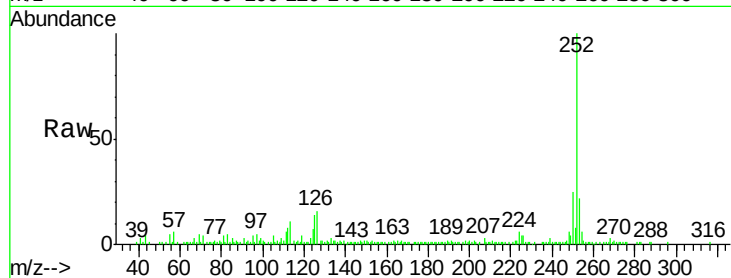
Tgt Ion:252 Resp: 129789

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

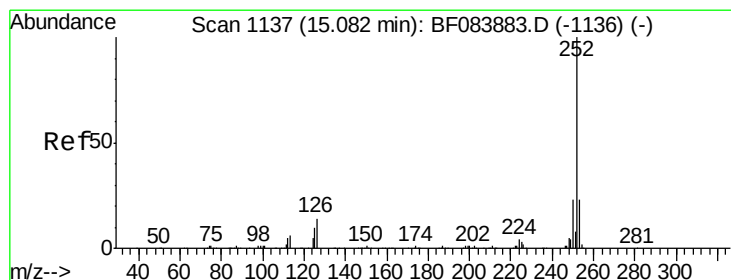
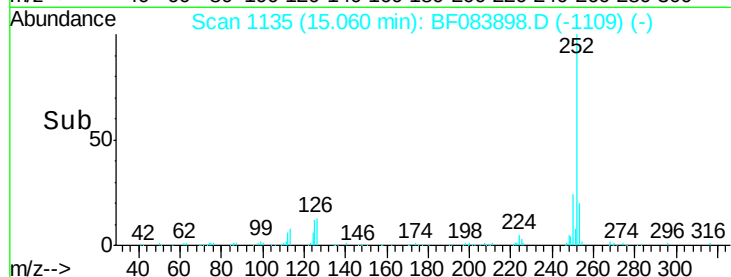
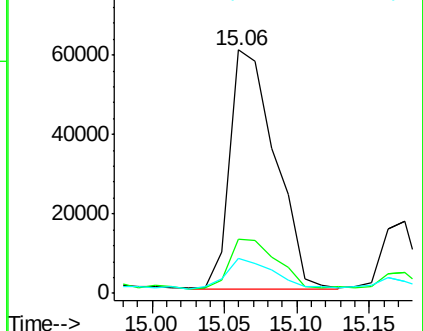
125 14.3 6.5 9.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 22.36 ng

RT: 15.06 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

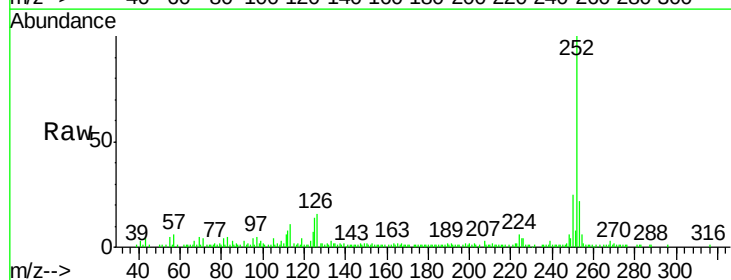
Tgt Ion:252 Resp: 129854

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

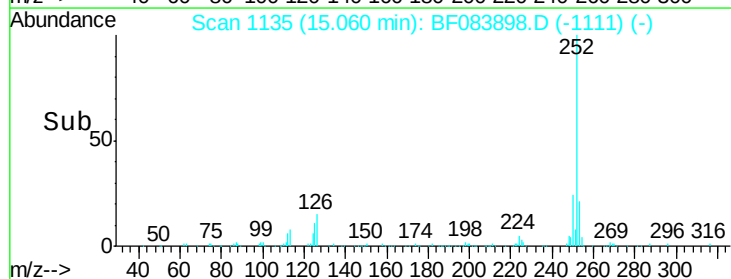
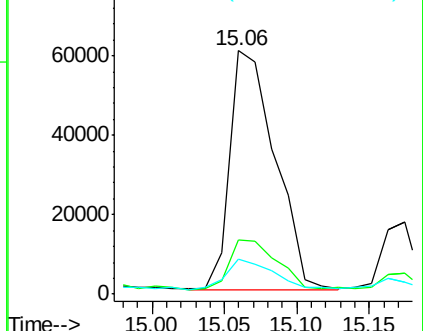
125 14.3 9.0 13.6#

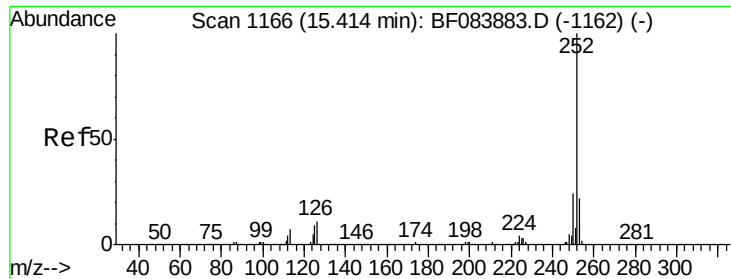


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 17.50 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

Instrument :

BNA_F

ClientSampleId :

K211-13-14DL

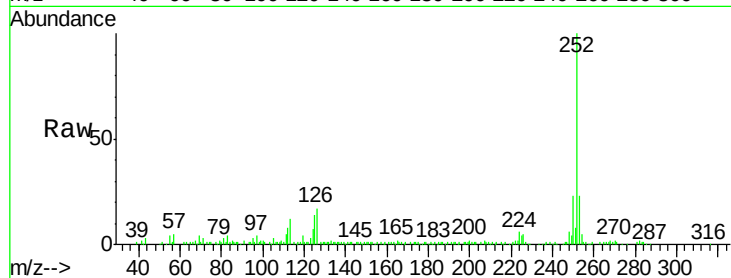
Tgt Ion:252 Resp: 101709

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

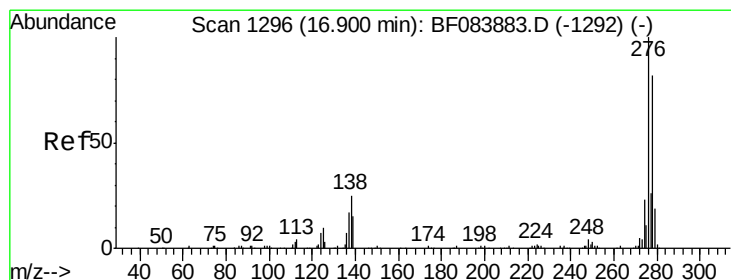
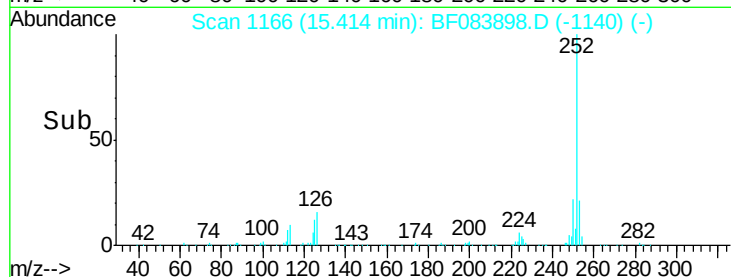
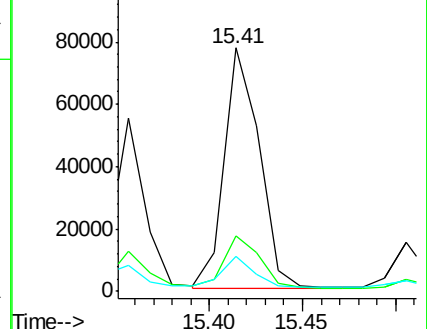
125 14.2 7.0 10.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.51 ng

RT: 16.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF083898.D

Acq: 18 Dec 2015 5:44

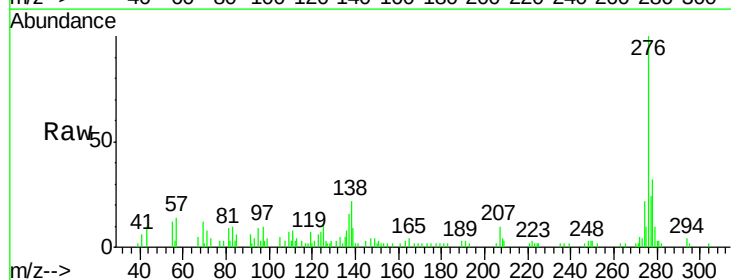
Tgt Ion:278 Resp: 11371

Ion Ratio Lower Upper

278 100

139 26.7 15.0 22.4#

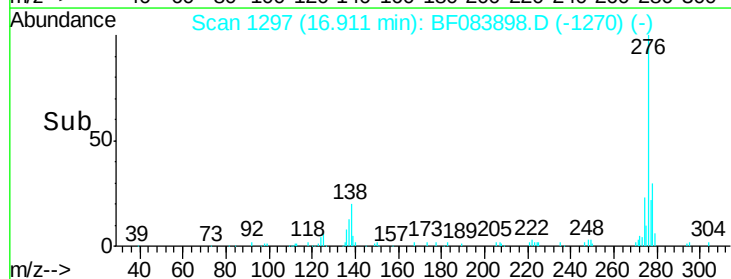
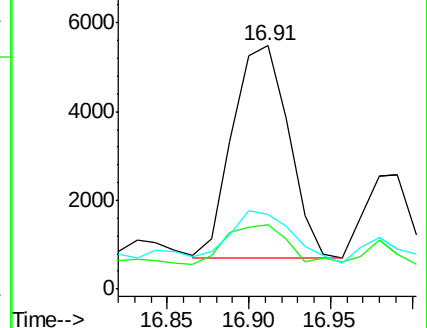
279 30.8 18.9 28.3#

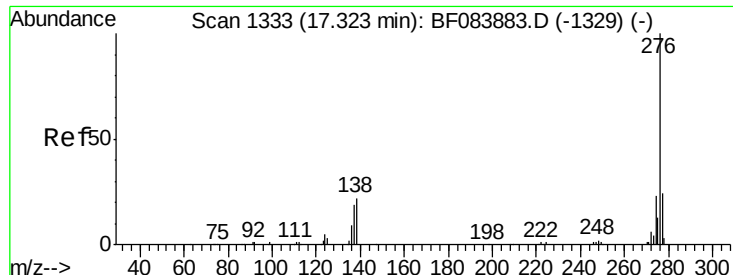


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 7.10 ng
 RT: 17.33 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF083898.D
 Acq: 18 Dec 2015 5:44

Instrument :
 BNA_F
 ClientSampleId :
 K211-13-14DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	23.1	17.8	26.6

