

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083897.D
 Acq On : 18 Dec 2015 5:16
 Operator : UM/SJ
 Sample : G4680-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K202-(12-13)

Quant Time: Dec 18 05:51:15 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	56970	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	198731	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	90708	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	138946	20.00	ng	0.01
75) Chrysene-d12	14.04	240	104133	20.00	ng	0.01
86) Perylene-d12	15.48	264	89182	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	430321	118.21	ng	0.01
7) Phenol-d6	6.52	99	555609	124.69	ng	0.01
23) Nitrobenzene-d5	7.44	82	334670	96.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	118537	118.62	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	637627	101.86	ng	0.00
78) Terphenyl-d14	12.99	244	421568	95.42	ng	0.01

Target Compounds

						Qvalue
3) Pyridine	3.29	79	19432	4.98	ng	# 34
9) Benzaldehyde	6.65	77	11092	4.13	ng	# 81
15) Benzyl Alcohol	7.04	79	9131	2.71	ng	# 45
18) Hexachloroethane	7.34	117	3998	2.29	ng	# 1
22) Acetophenone	7.28	105	16094	3.36	ng	# 57
25) Isophorone	7.79	82	17661	2.70	ng	# 61
31) Naphthalene	8.18	128	91458	7.29	ng	# 99
32) Benzoic acid	7.95	122	798	2.33	ng	# 1
33) 4-Chloroaniline	8.18	127	17240	3.82	ng	# 44
35) Caprolactam	8.59	113	13748	14.28	ng	# 13
36) 4-Chloro-3-methylphenol	8.72	107	1416	Below Cal		# 83
37) 2-Methylnaphthalene	8.88	142	95610	13.84	ng	# 97
45) 1,1'-Biphenyl	9.33	154	6519	Below Cal		# 90
46) 2-Chloronaphthalene	9.34	162	850	Below Cal		# 1
47) 2-Nitroaniline	9.44	65	3986	2.22	ng	# 47
48) Acenaphthylene	9.78	152	37380	3.53	ng	# 87
49) Dimethylphthalate	9.63	163	128967	16.94	ng	# 96
53) 2,4-Dinitrophenol	10.21	184	2534	14.00	ng	# 88
55) 4-Nitrophenol	10.02	139	5551	5.08	ng	# 31
57) Fluorene	10.46	166	34880	2.60	ng	# 87
64) 4,6-Dinitro-2-methylphenol	10.49	198	1057	5.07	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	34005	6.73	ng	# 46
69) Pentachlorophenol	11.05	266	686	5.57	ng	# 18
70) Phenanthrene	11.42	178	94078	11.21	ng	# 95
71) Anthracene	11.48	178	18854	2.32	ng	# 77
74) Fluoranthene	12.62	202	71288	8.51	ng	# 92
77) Pyrene	12.84	202	124745	18.88	ng	# 98
80) Benzo(a)anthracene	14.03	228	73631	11.50	ng	# 93
82) Chrysene	14.03	228	73631	11.91	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.92	276	27664	5.98	ng	# 95
87) Benzo(b)fluoranthene	15.07	252	88022	13.54	ng	# 83
88) Benzo(k)fluoranthene	15.07	252	88022	16.41	ng	# 86
89) Benzo(a)pyrene	15.43	252	60562	11.28	ng	# 89
90) Dibenzo(a,h)anthracene	16.92	278	9988	2.39	ng	# 59

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration

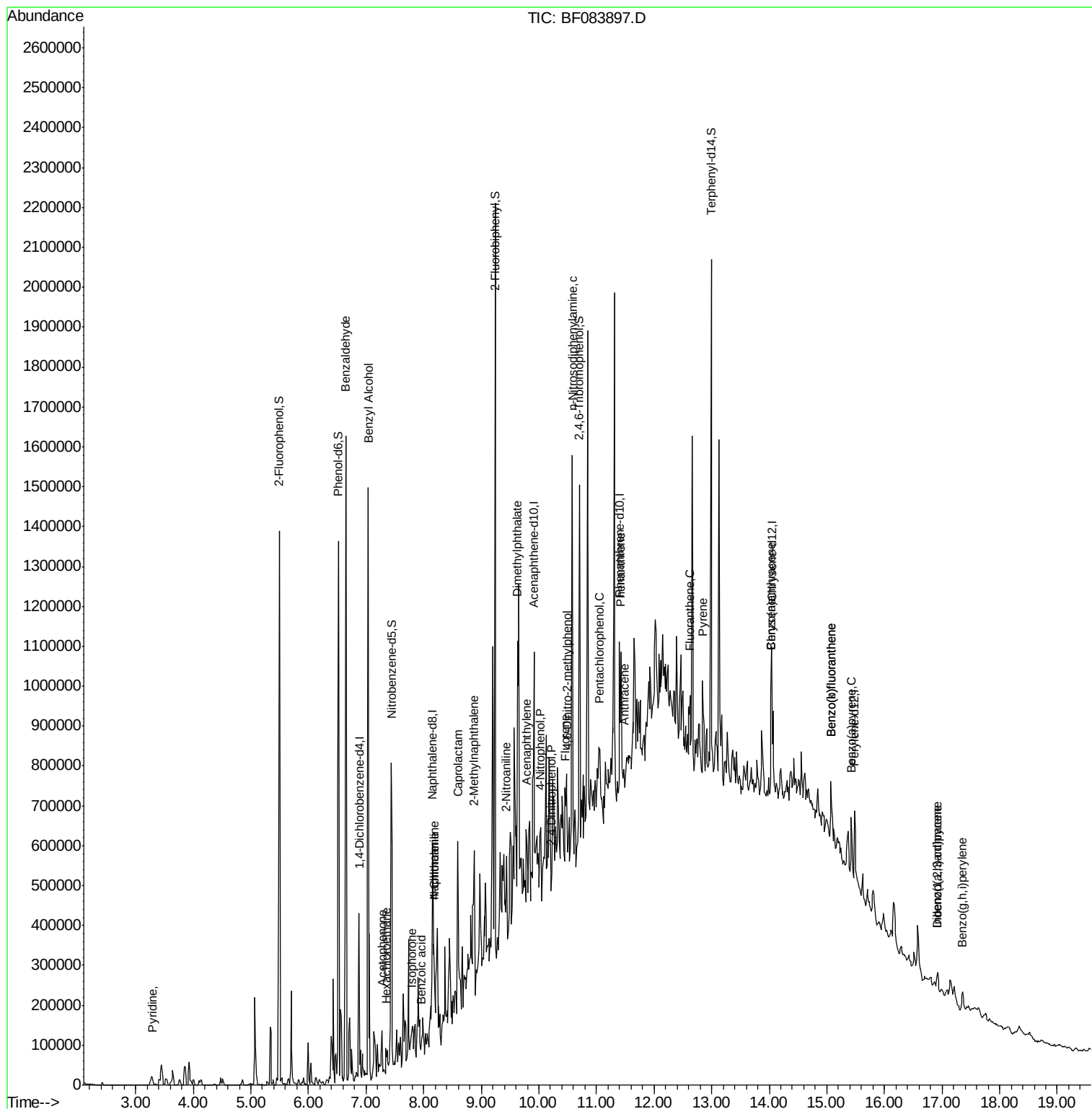
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	17.36	276	30073	7.35	ng	93

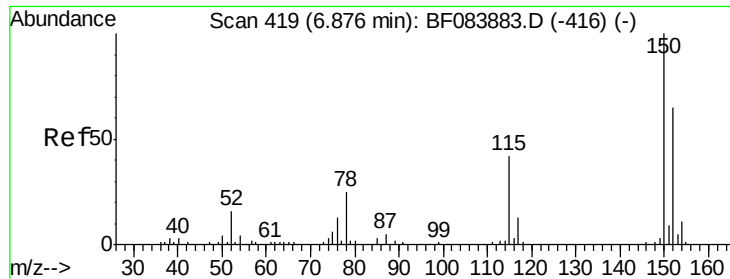
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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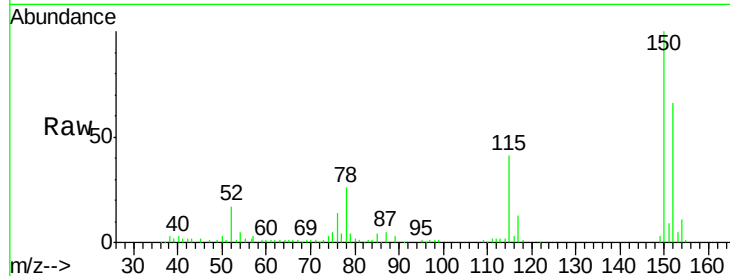




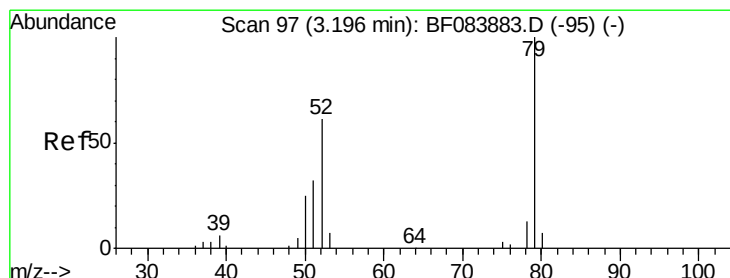
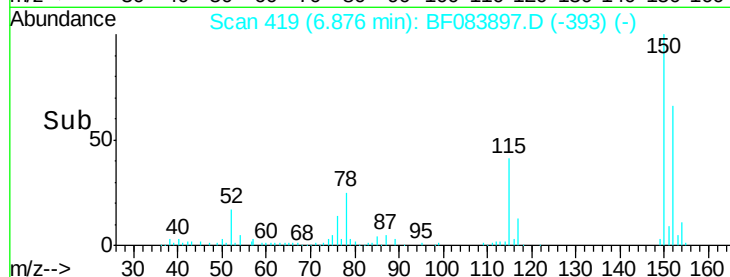
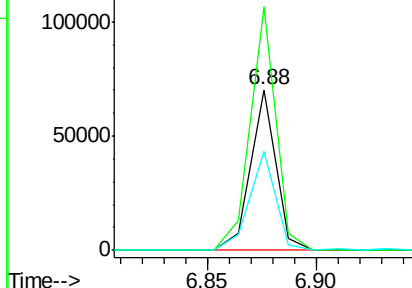
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Instrument :
 BNA_F
 ClientSampled :
 K202-(12-13)

Tgt Ion:152 Resp: 56970
 Ion Ratio Lower Upper
 152 100
 150 151.4 123.0 184.4
 115 61.8 51.4 77.2

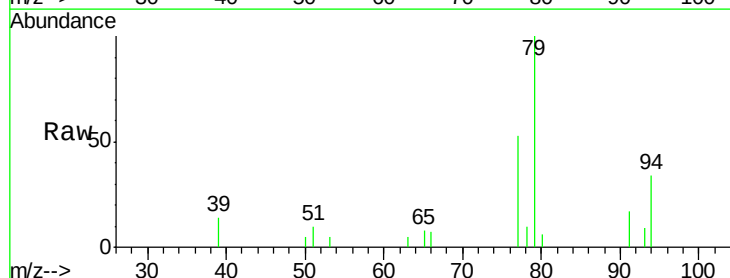


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

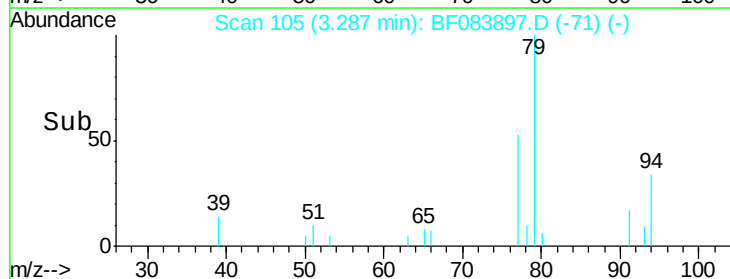
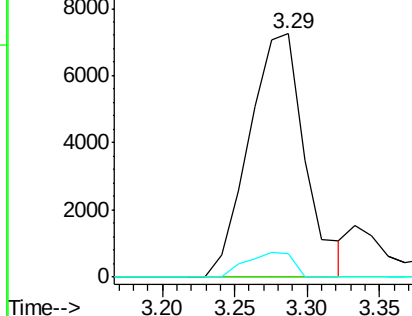


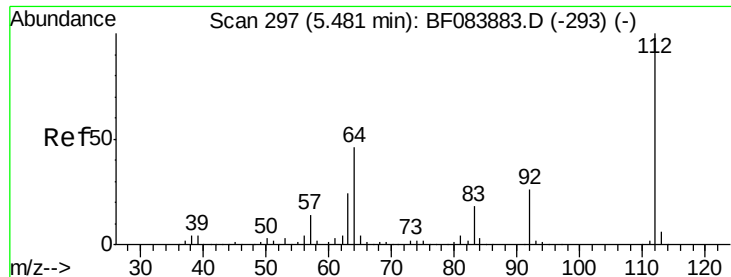
#3
 Pyridine
 Concen: 4.98 ng
 RT: 3.29 min Scan# 105
 Delta R.T. 0.09 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Tgt Ion: 79 Resp: 19432
 Ion Ratio Lower Upper
 79 100
 52 0.0 49.0 73.4#
 51 9.7 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: 118.21 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

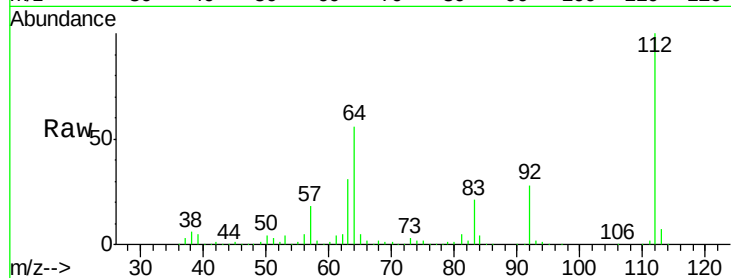
Tgt Ion: 112 Resp: 430321

Ion Ratio Lower Upper

112 100

64 55.9 36.6 55.0#

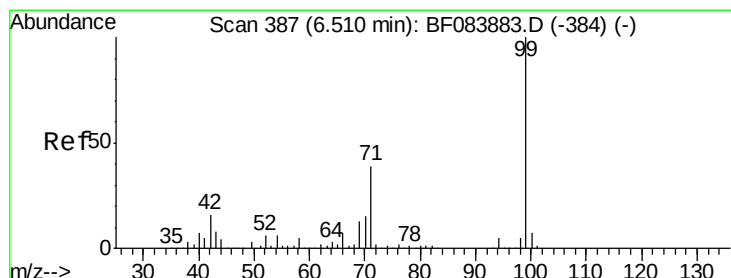
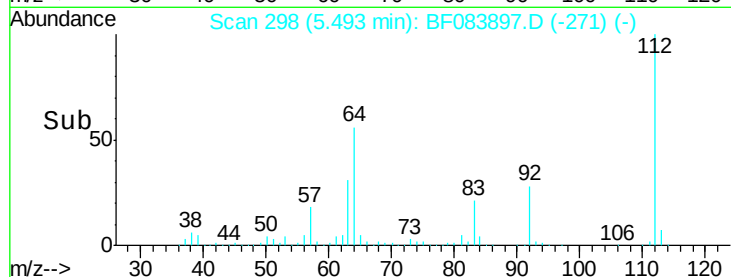
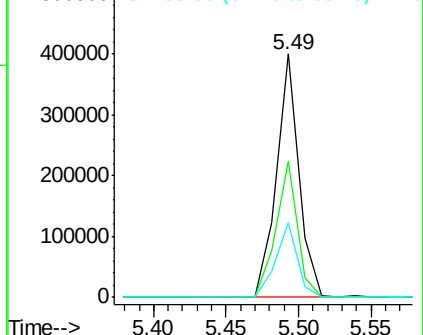
63 30.9 19.4 29.0#



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: 124.69 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

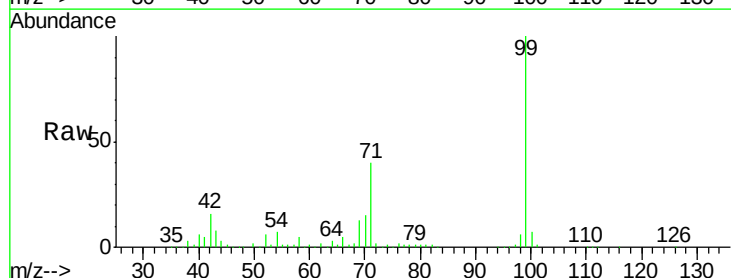
Tgt Ion: 99 Resp: 555609

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

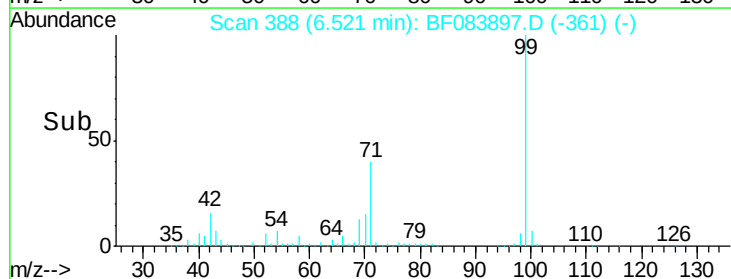
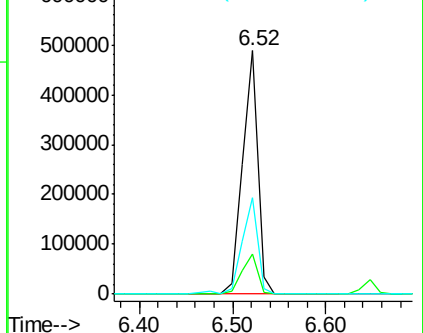
71 39.7 30.9 46.3

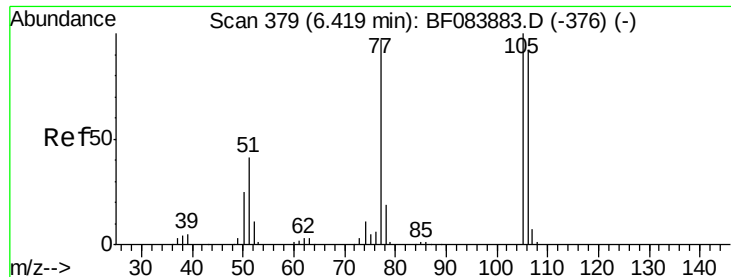


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.13 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

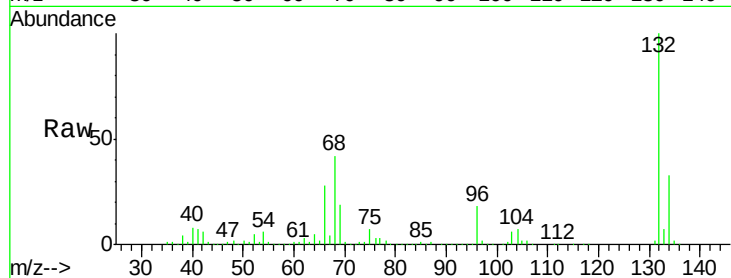
Tgt Ion: 77 Resp: 11092

Ion Ratio Lower Upper

77 100

105 83.2 83.0 123.0

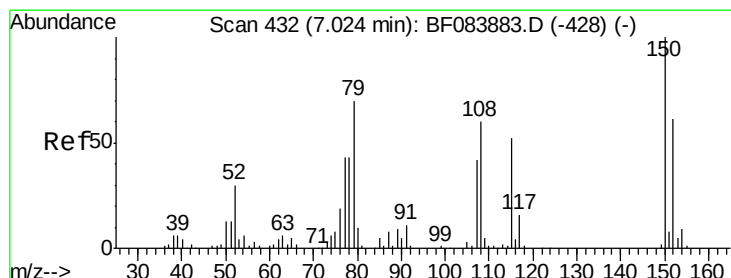
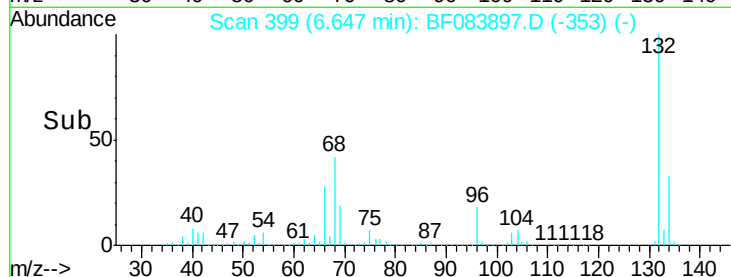
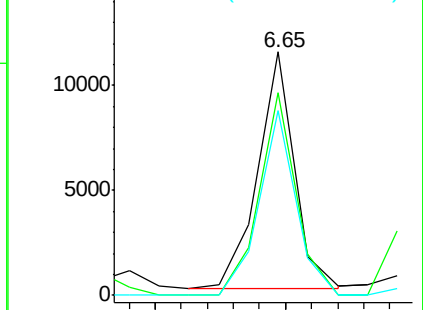
106 75.9 74.6 114.6



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



#15

Benzyl Alcohol

Concen: 2.71 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

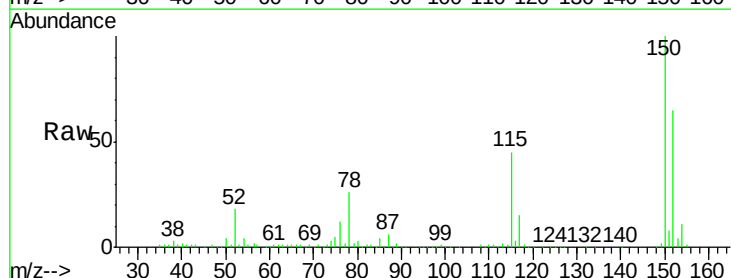
Tgt Ion: 79 Resp: 9131

Ion Ratio Lower Upper

79 100

108 32.9 69.0 103.4#

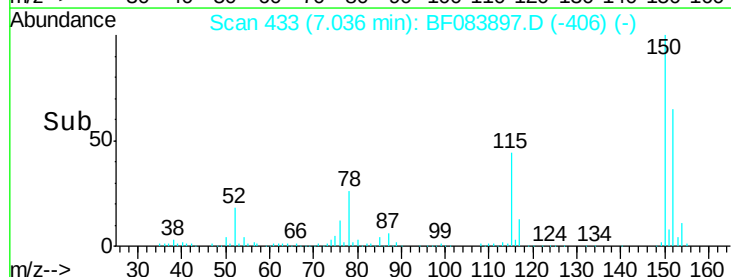
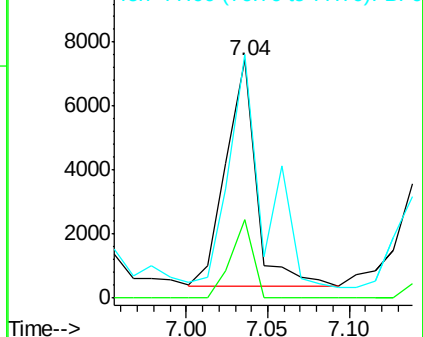
77 102.2 50.0 75.0#

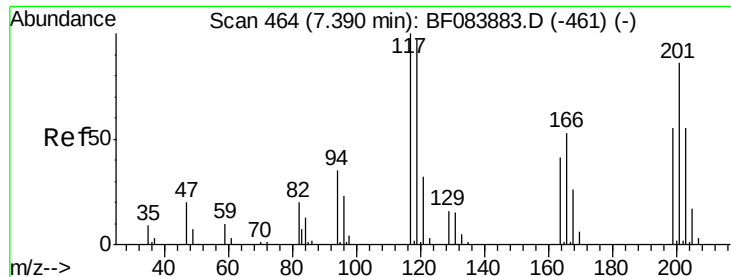


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 2.29 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.05 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

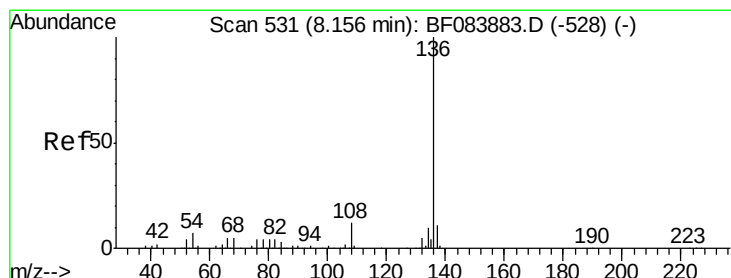
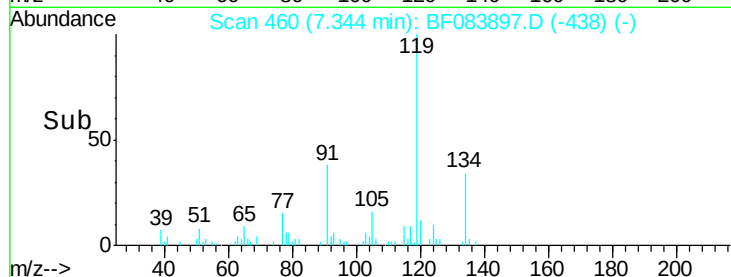
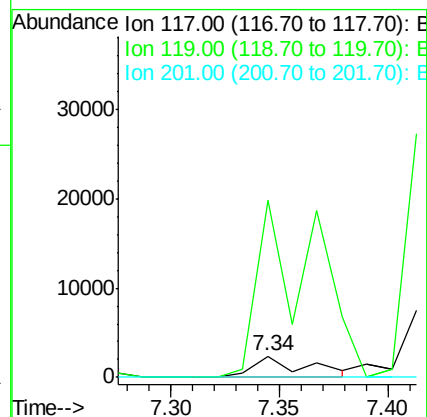
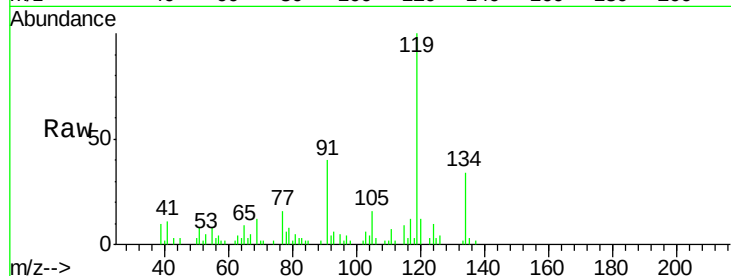
Tgt Ion:117 Resp: 3998

Ion Ratio Lower Upper

117 100

119 840.5 77.4 116.0#

201 0.0 68.6 103.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Tgt Ion:136 Resp: 198731

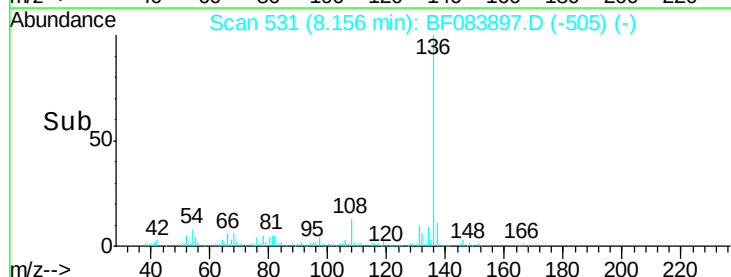
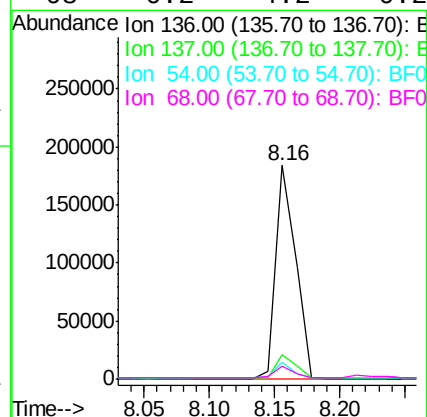
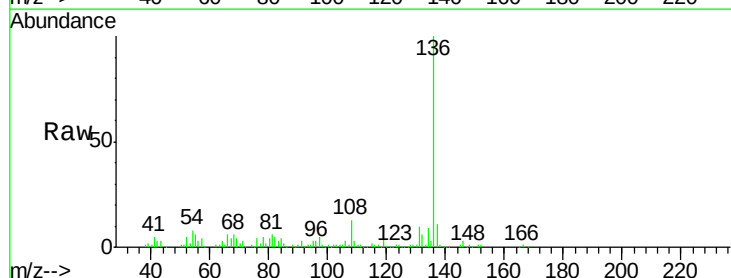
Ion Ratio Lower Upper

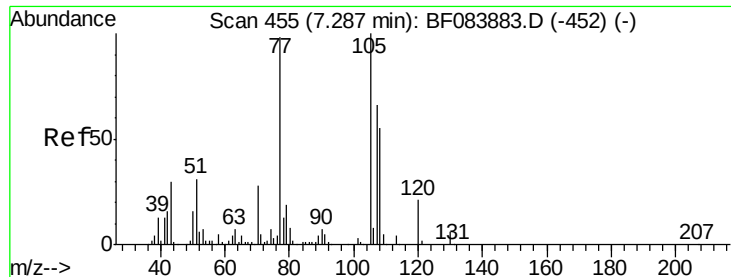
136 100

137 11.3 8.7 13.1

54 8.1 5.8 8.8

68 6.2 4.2 6.2





#22

Acetophenone

Concen: 3.36 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

Tgt Ion:105 Resp: 16094

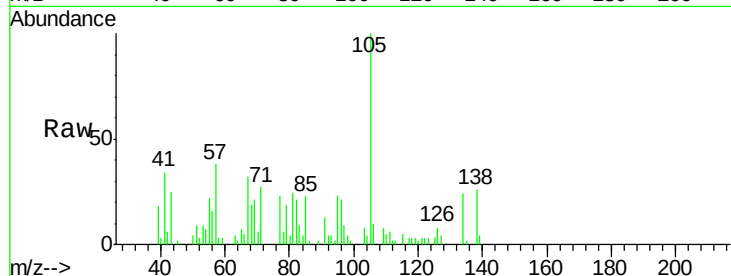
Ion Ratio Lower Upper

105 100

71 27.4 3.7 5.5#

51 8.8 25.1 37.7#

120 1.8 16.6 25.0#

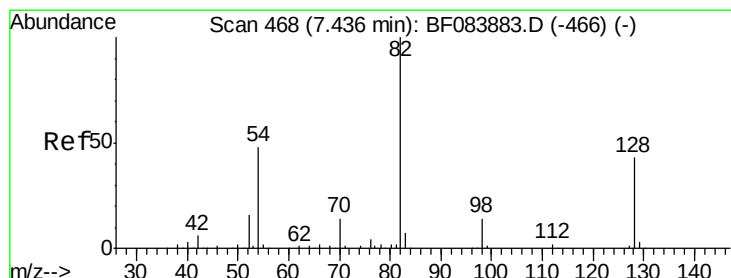
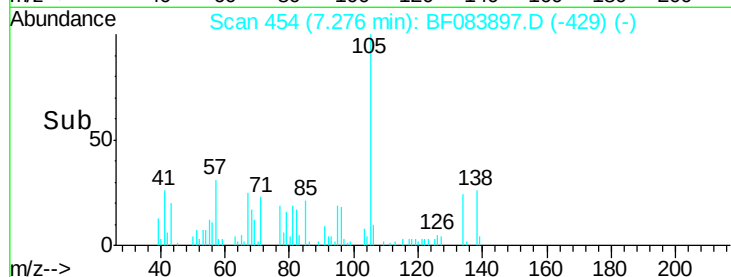
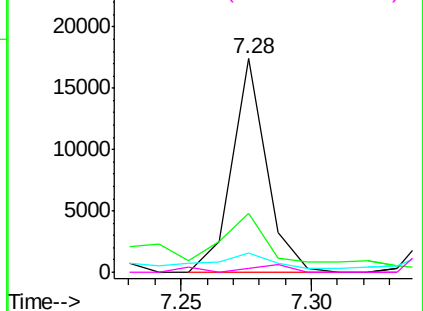


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 96.11 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

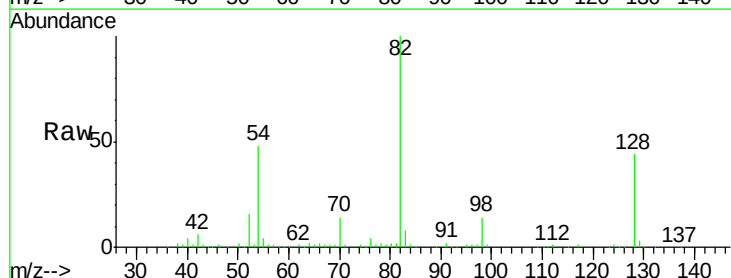
Tgt Ion: 82 Resp: 334670

Ion Ratio Lower Upper

82 100

128 43.8 34.6 51.8

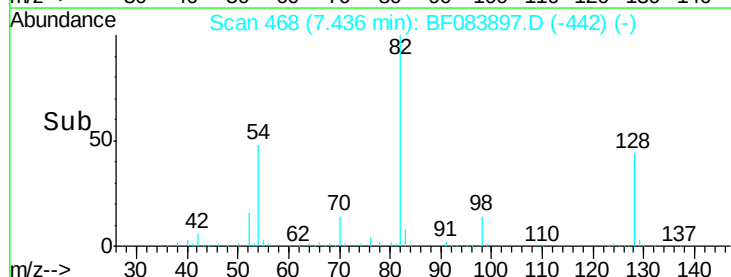
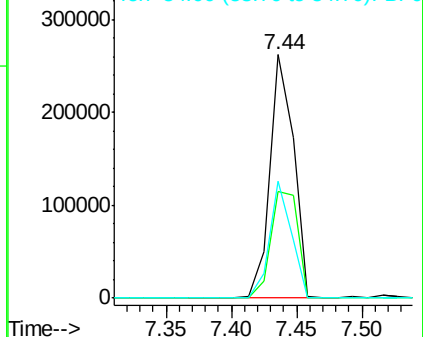
54 48.1 38.4 57.6

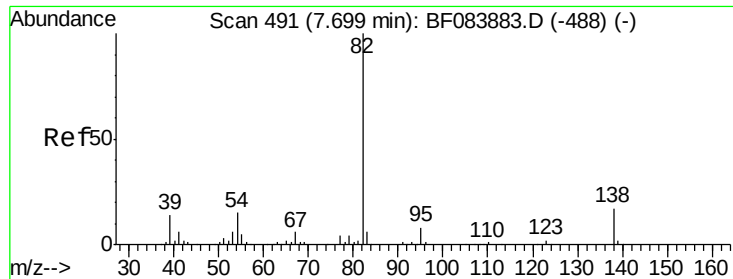


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.70 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.09 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

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ClientSampleId :

K202-(12-13)

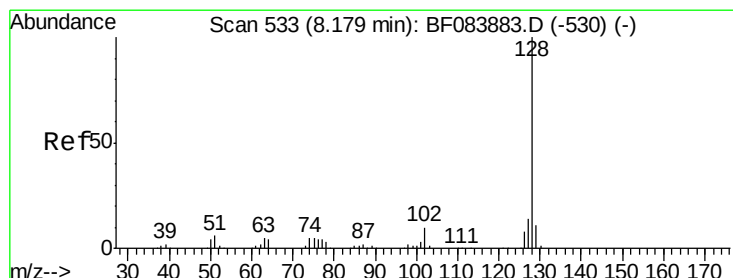
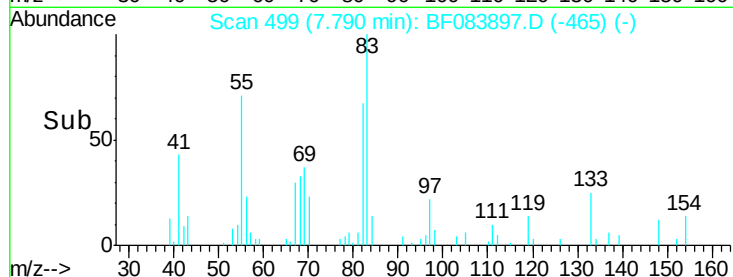
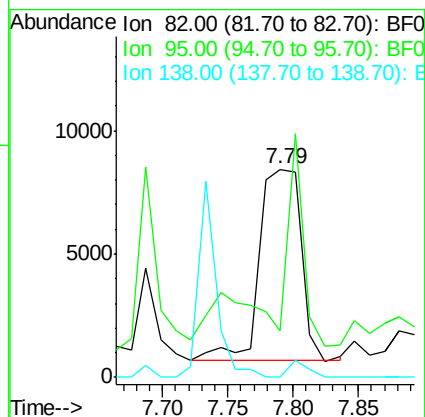
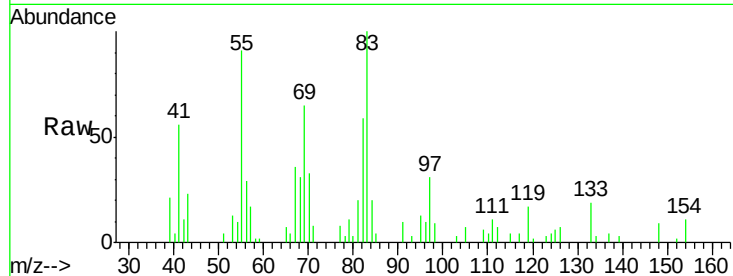
Tgt Ion: 82 Resp: 17661

Ion Ratio Lower Upper

82 100

95 22.3 6.6 10.0#

138 0.0 13.6 20.4#



#31

Naphthalene

Concen: 7.29 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

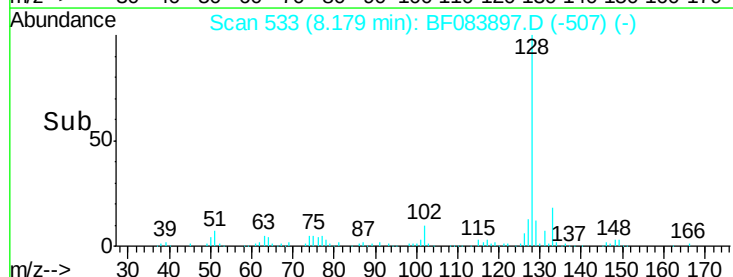
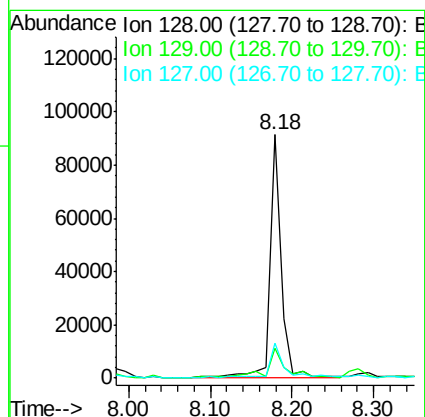
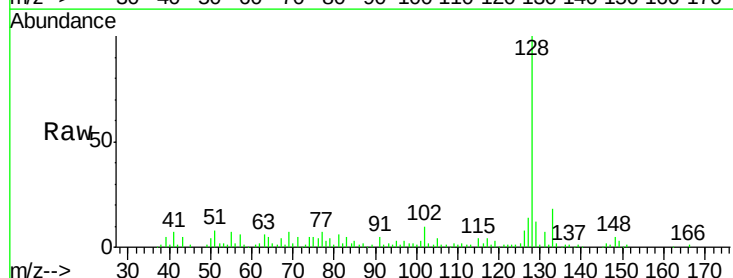
Tgt Ion: 128 Resp: 91458

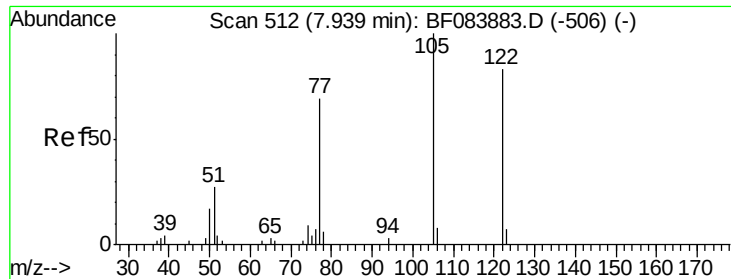
Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 14.1 11.1 16.7

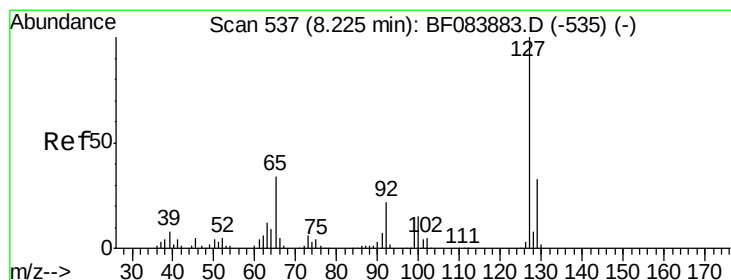
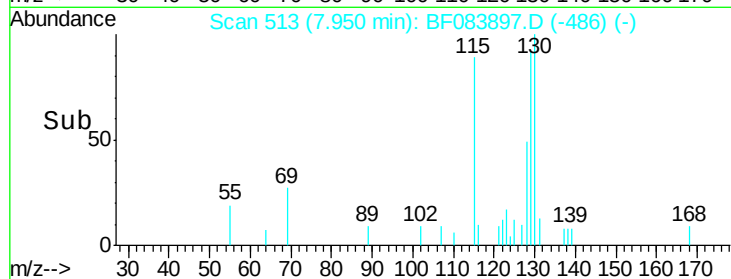
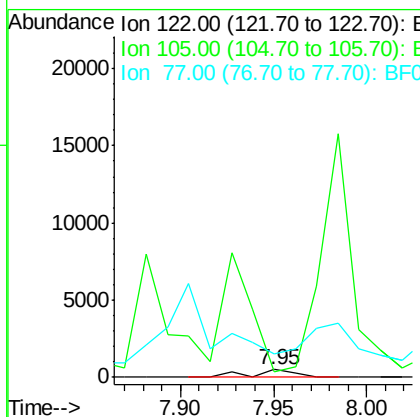
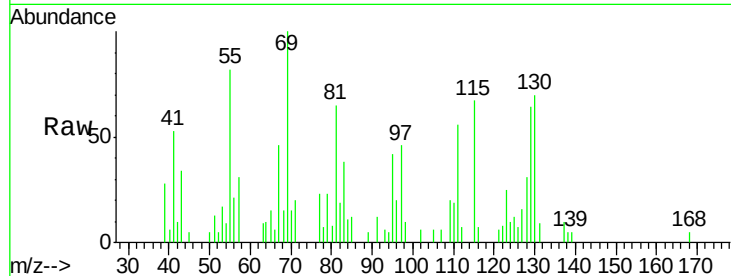




#32
Benzoic acid
Concen: 2.33 ng
RT: 7.95 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

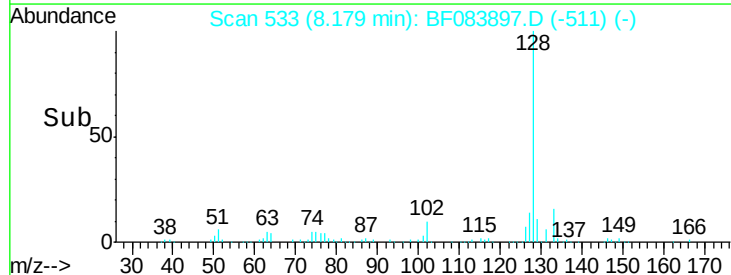
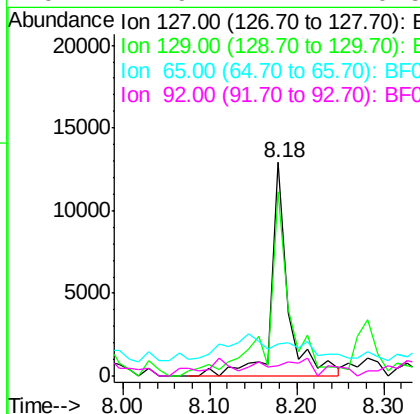
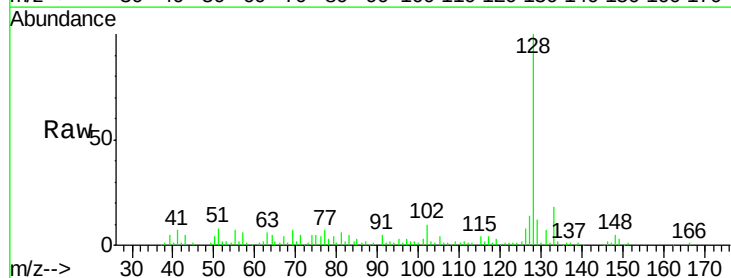
Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

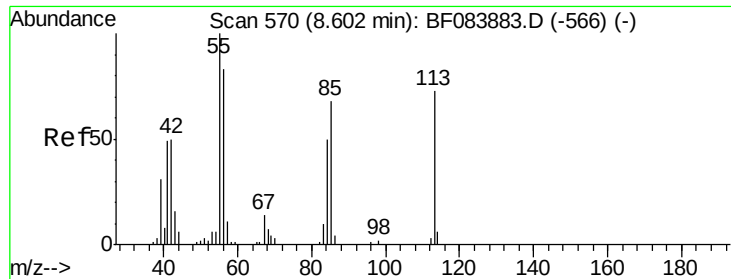
Tgt Ion:122 Resp: 798
Ion Ratio Lower Upper
122 100
105 81.4 100.3 140.3#
77 308.3 63.5 103.5#



#33
4-Chloroaniline
Concen: 3.82 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.05 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Tgt Ion:127 Resp: 17240
Ion Ratio Lower Upper
127 100
129 86.0 26.5 39.7#
65 14.8 27.2 40.8#
92 4.9 17.7 26.5#





#35

Caprolactam

Concen: 14.28 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

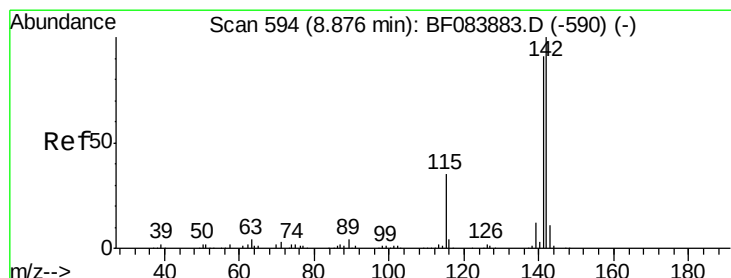
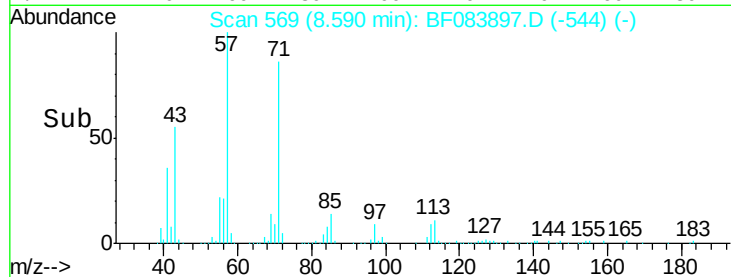
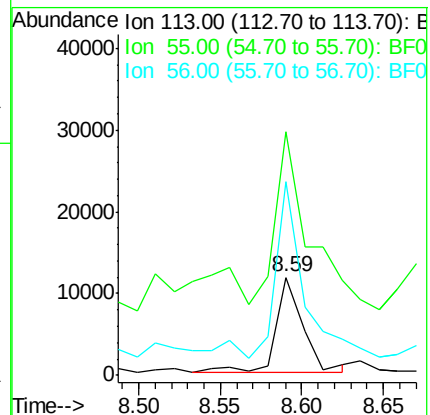
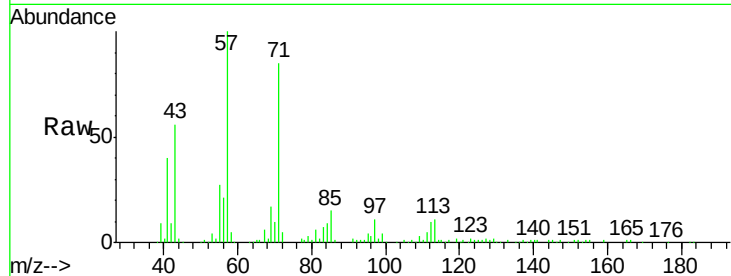
Tgt Ion:113 Resp: 13748

Ion Ratio Lower Upper

113 100

55 249.1 116.9 156.9#

56 198.5 93.8 133.8#



#37

2-Methylnaphthalene

Concen: 13.84 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

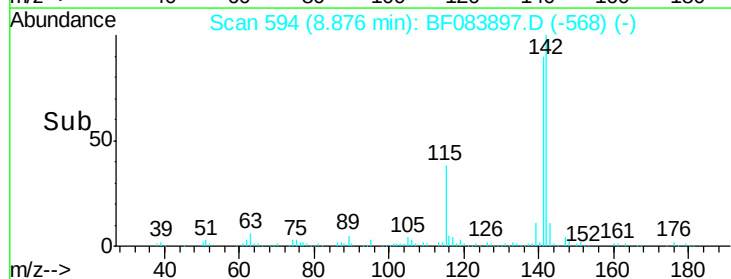
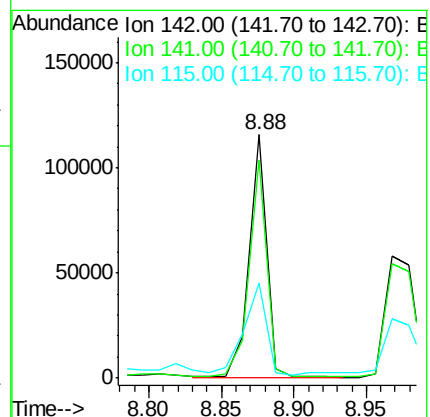
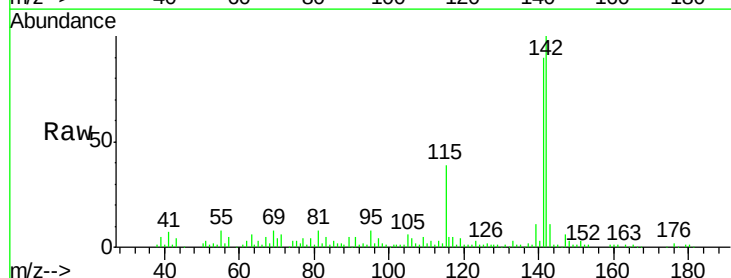
Tgt Ion:142 Resp: 95610

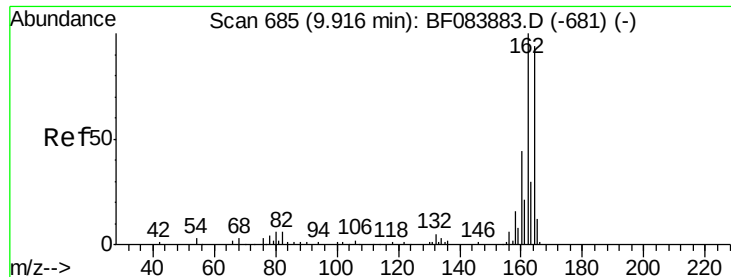
Ion Ratio Lower Upper

142 100

141 89.7 72.4 108.6

115 38.9 27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

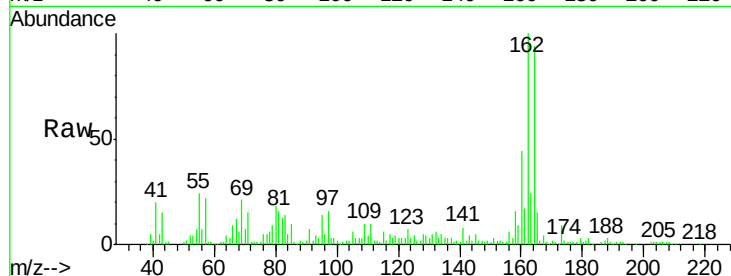
Tgt Ion:164 Resp: 90708

Ion Ratio Lower Upper

164 100

162 106.4 85.1 127.7

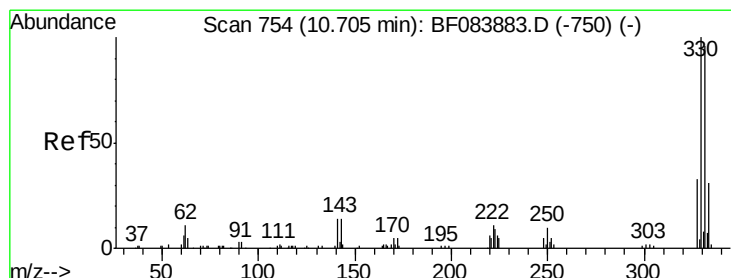
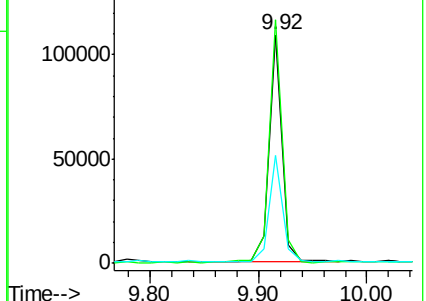
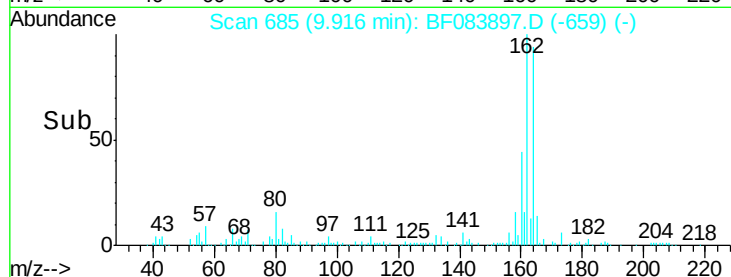
160 47.3 37.5 56.3



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: 118.62 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

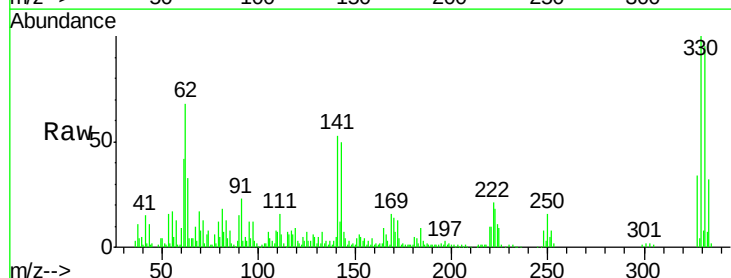
Tgt Ion:330 Resp: 118537

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

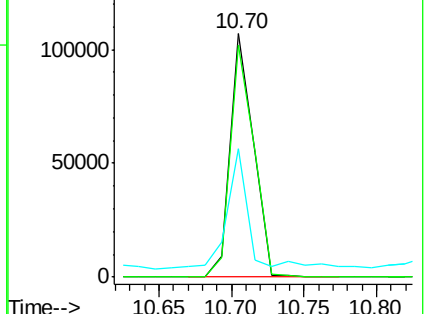
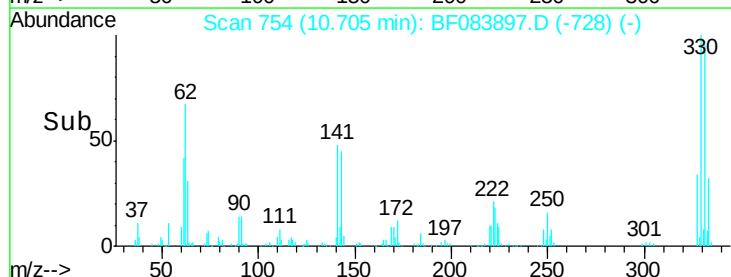
141 48.5 27.8 41.6#

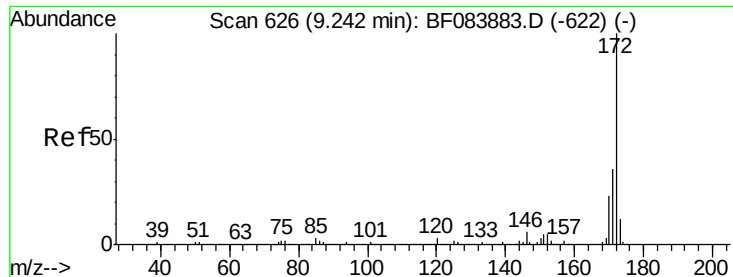


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

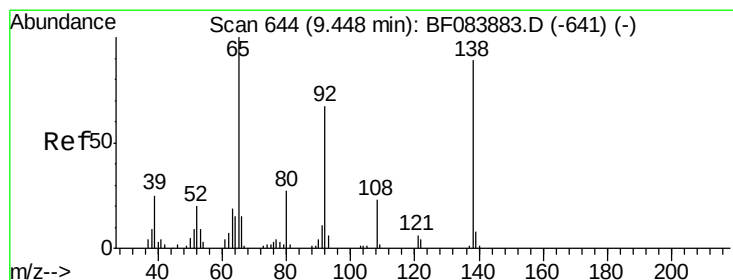
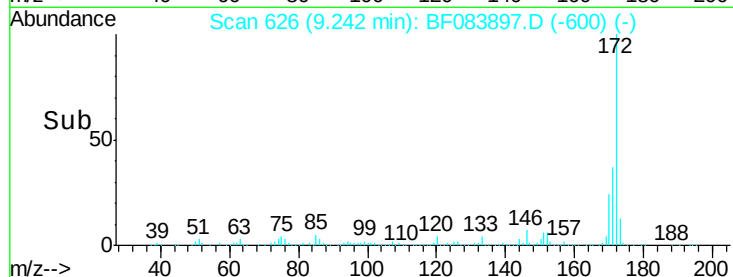
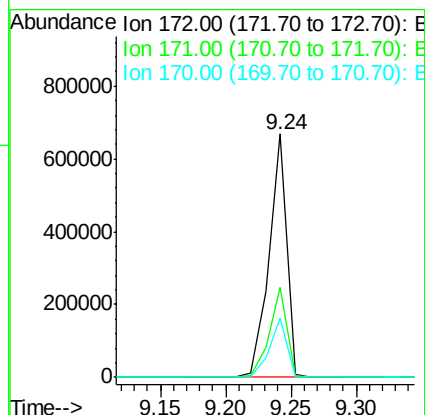
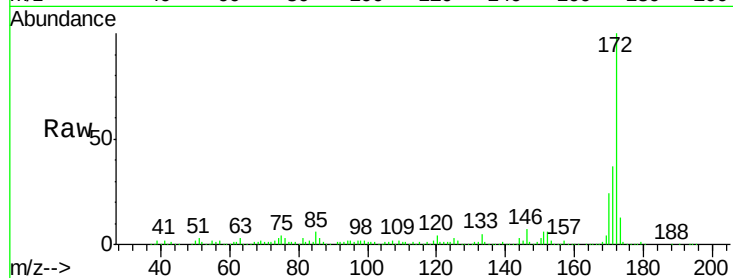




#44
2-Fluorobiphenyl
Concen: 101.86 ng
RT: 9.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

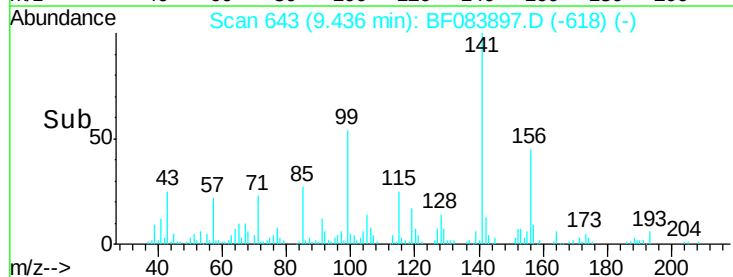
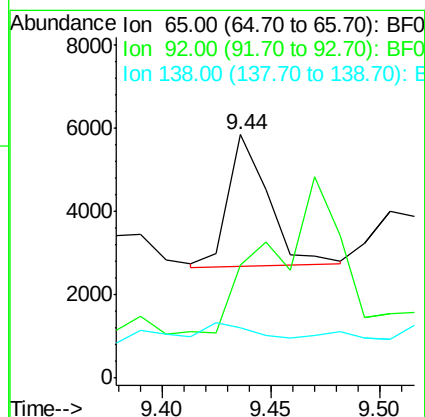
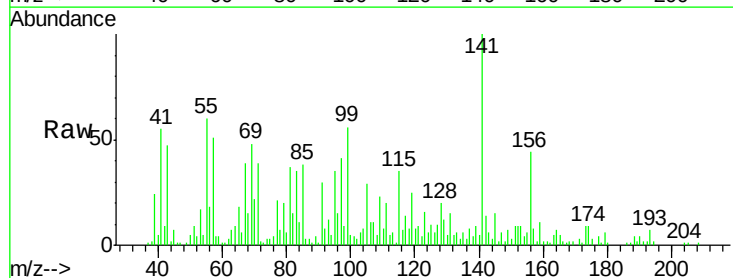
Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

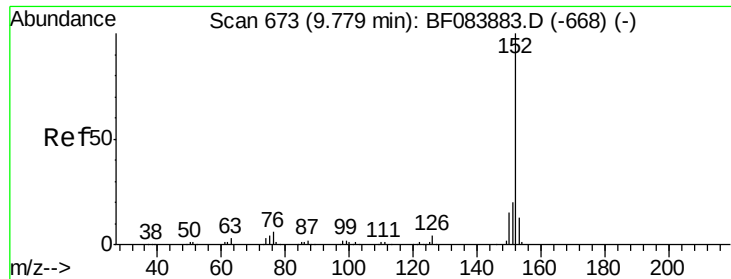
Tgt Ion: 172 Resp: 637627
Ion Ratio Lower Upper
172 100
171 36.9 28.9 43.3
170 24.2 18.6 27.8



#47
2-Nitroaniline
Concen: 2.22 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Tgt Ion: 65 Resp: 3986
Ion Ratio Lower Upper
65 100
92 46.4 53.4 80.2#
138 20.8 71.1 106.7#





#48

Acenaphthylene

Concen: 3.53 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

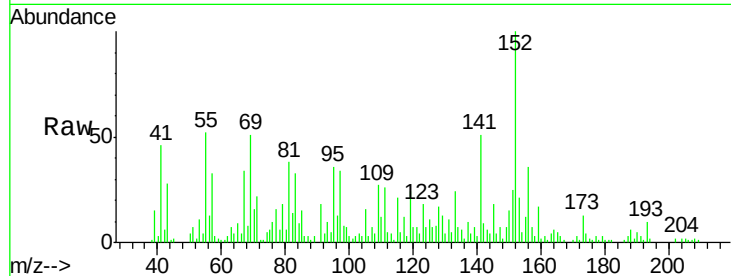
Tgt Ion:152 Resp: 37380

Ion Ratio Lower Upper

152 100

151 24.9 16.3 24.5#

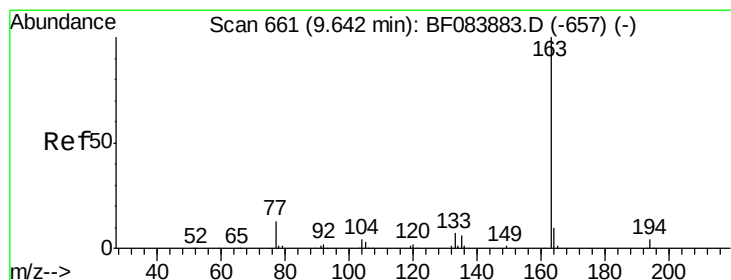
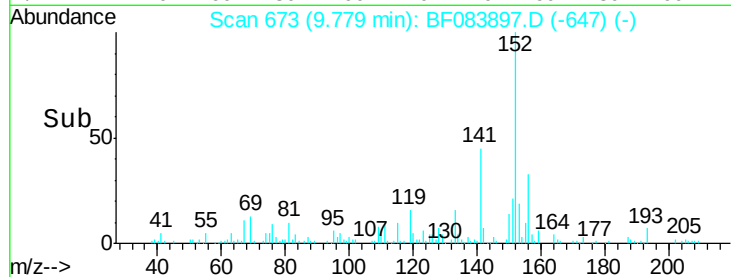
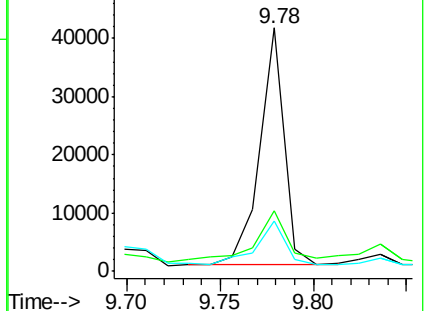
153 20.7 10.4 15.6#



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: 16.94 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

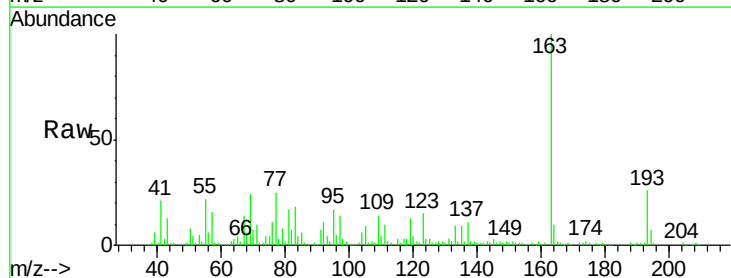
Tgt Ion:163 Resp: 128967

Ion Ratio Lower Upper

163 100

194 7.0 3.0 4.6#

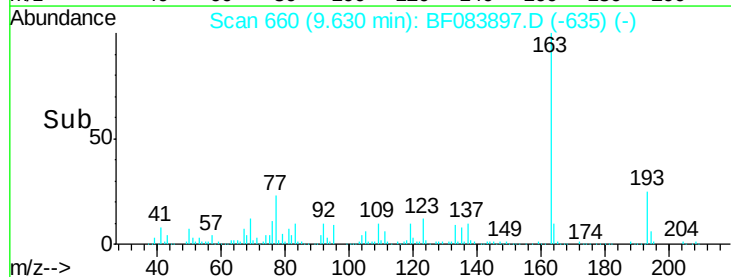
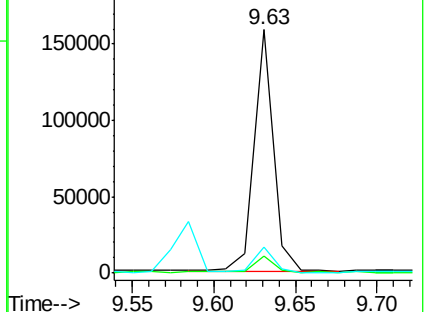
164 10.5 7.9 11.9

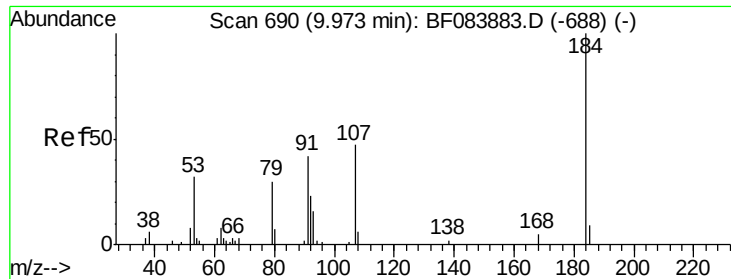


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

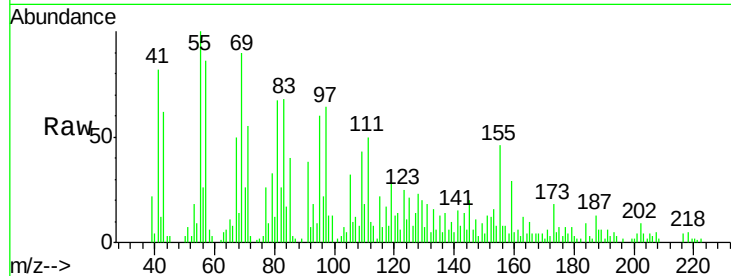




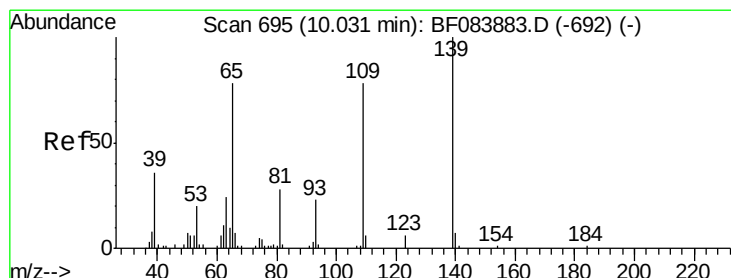
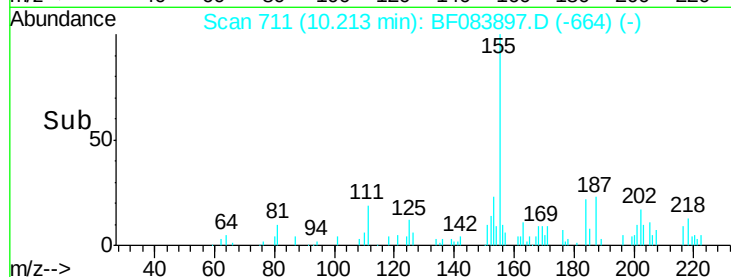
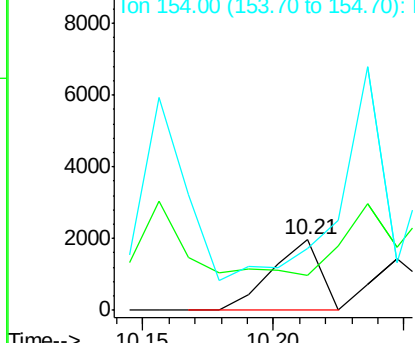
#53
2,4-Dinitrophenol
Concen: 14.00 ng
RT: 10.21 min Scan# 711
Delta R.T. 0.24 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

Tgt Ion:184 Resp: 2534
Ion Ratio Lower Upper
184 100
63 48.8 43.1 64.7
154 88.4 60.5 90.7

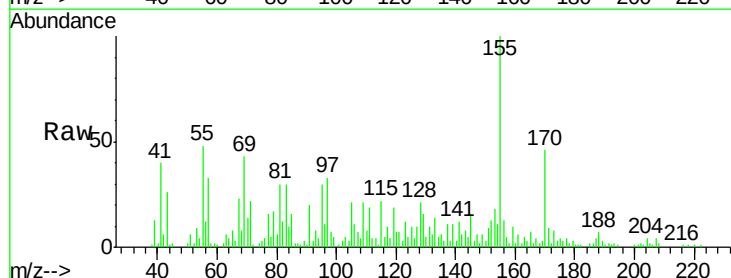


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

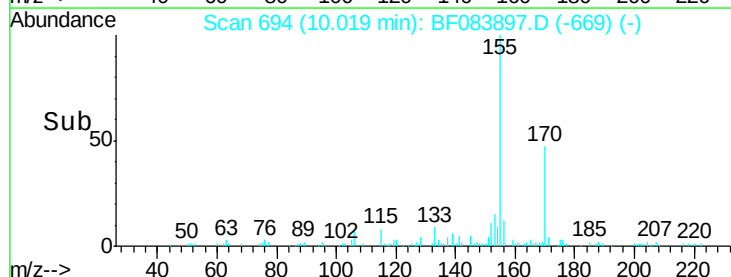
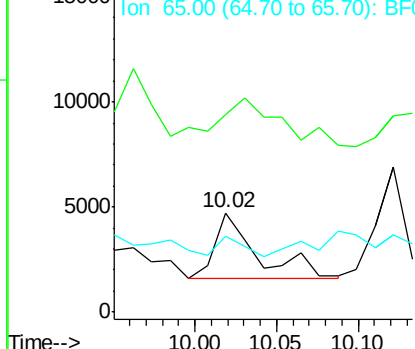


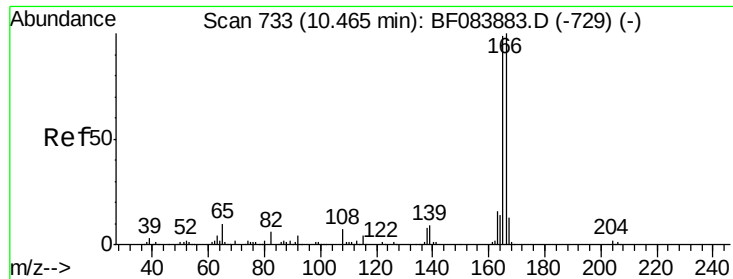
#55
4-Nitrophenol
Concen: 5.08 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Tgt Ion:139 Resp: 5551
Ion Ratio Lower Upper
139 100
109 197.9 58.5 98.5#
65 76.4 57.6 97.6



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

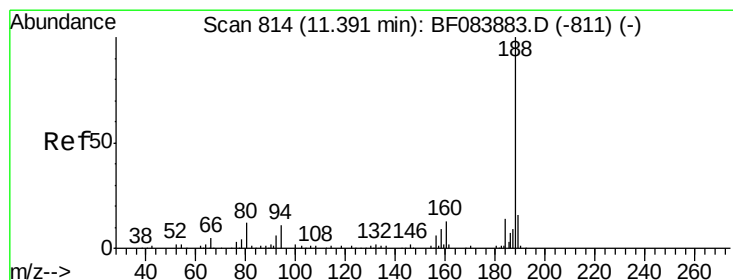
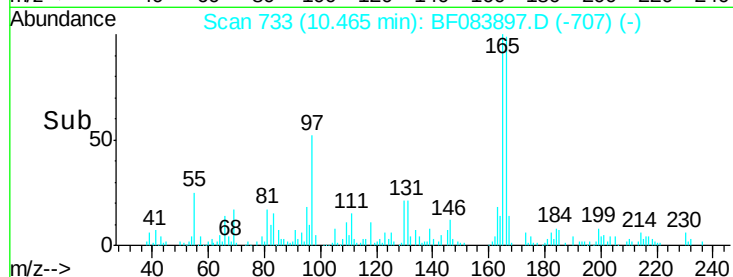
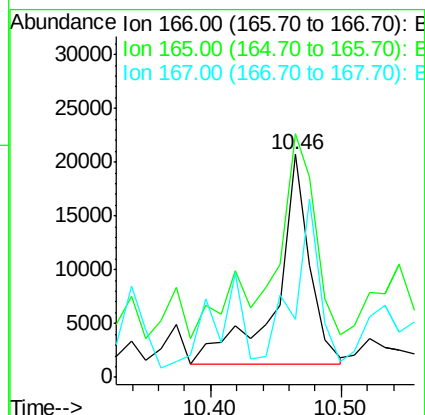
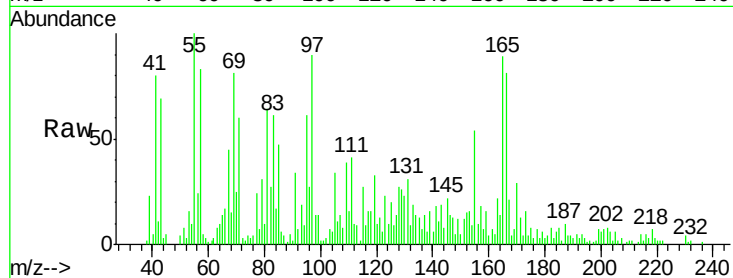




#57
Fluorene
 Concen: 2.60 ng
 RT: 10.46 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

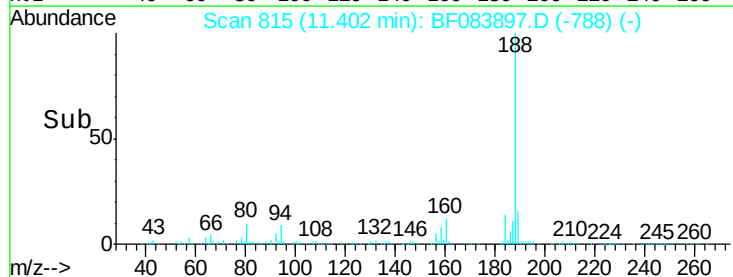
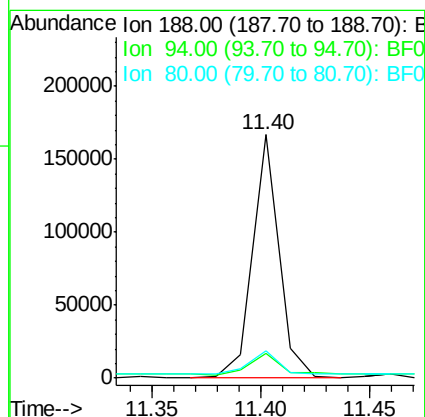
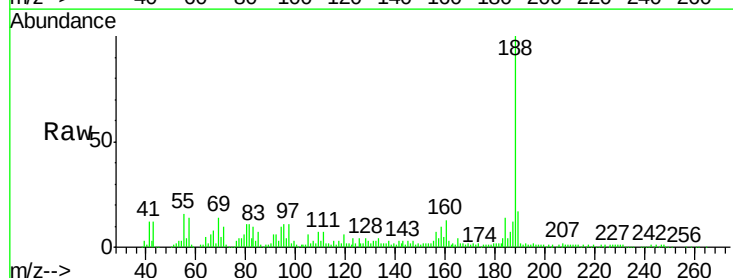
Instrument :
 BNA_F
 ClientSampleId :
 K202-(12-13)

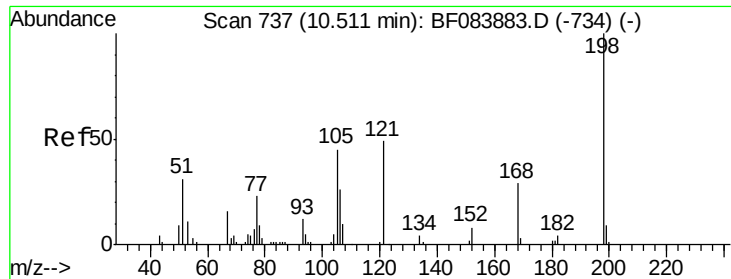
Tgt Ion:166 Resp: 34880
 Ion Ratio Lower Upper
 166 100
 165 109.4 79.1 118.7
 167 25.8 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Tgt Ion:188 Resp: 138946
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.0 13.4
 80 11.1 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 5.07 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

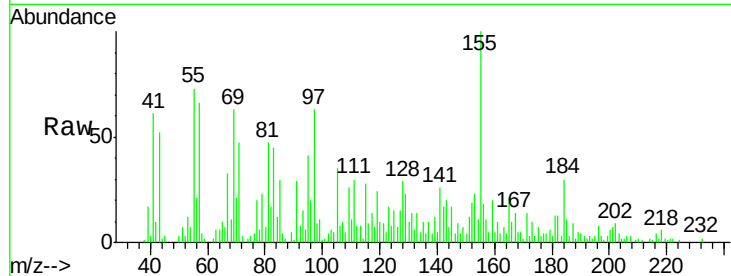
Tgt Ion:198 Resp: 1057

Ion Ratio Lower Upper

198 100

51 544.2 18.9 58.9#

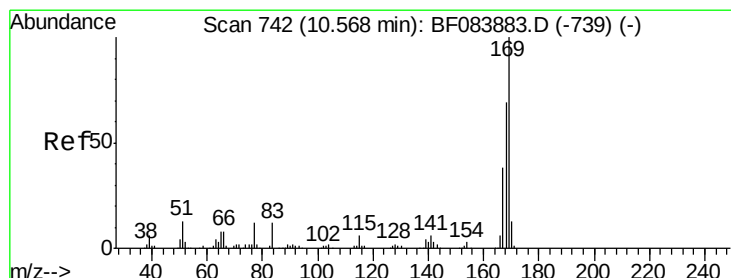
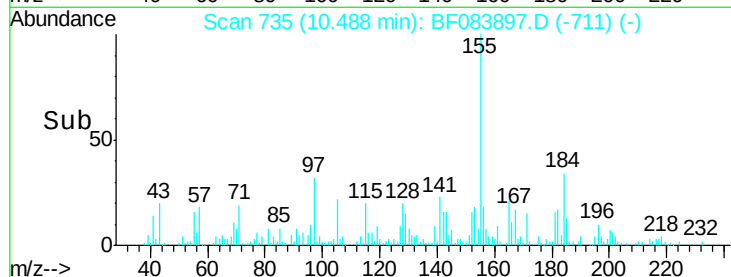
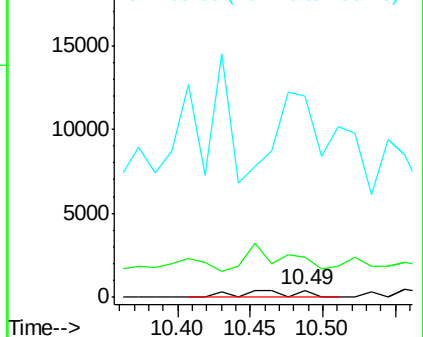
105 2737.1 26.4 66.4#



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: 6.73 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

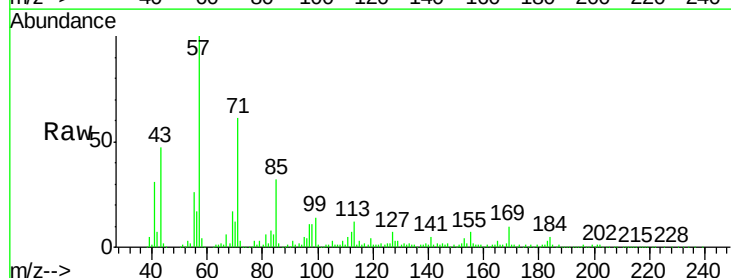
Tgt Ion:169 Resp: 34005

Ion Ratio Lower Upper

169 100

168 19.8 55.1 82.7#

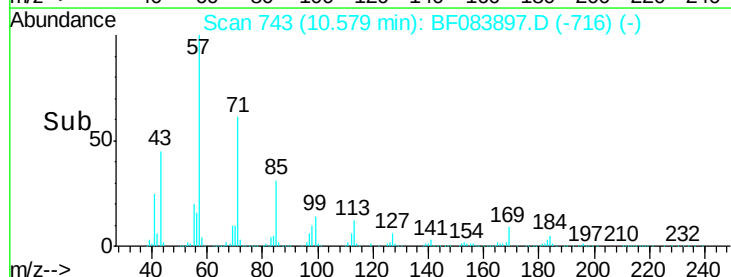
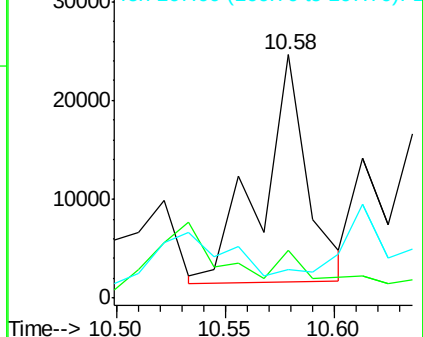
167 11.9 30.0 45.0#

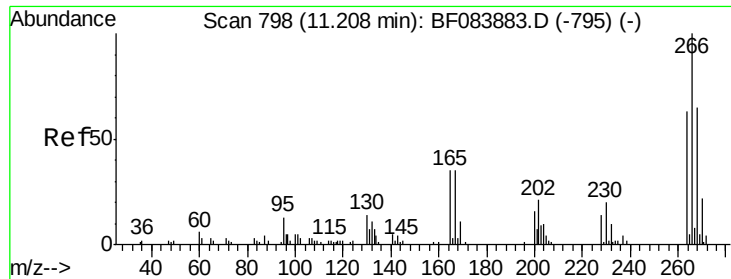


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

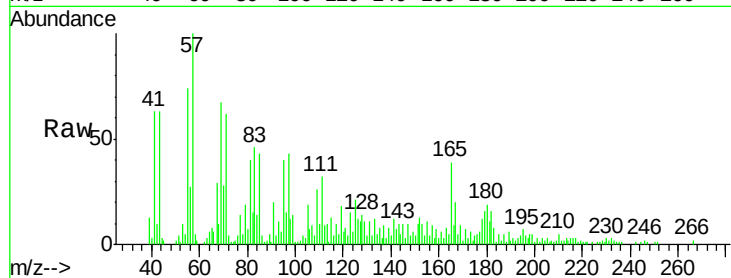




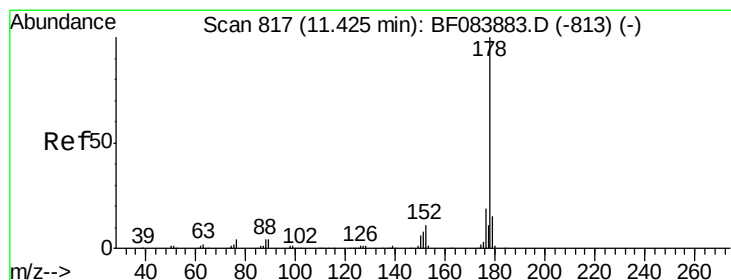
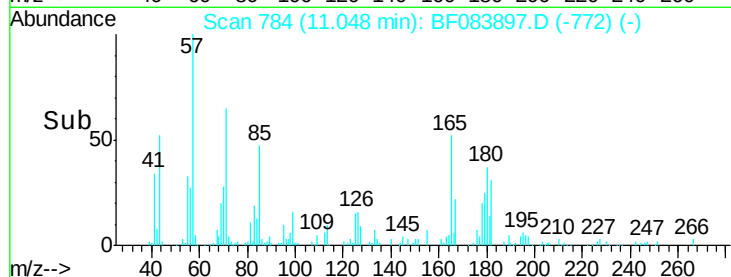
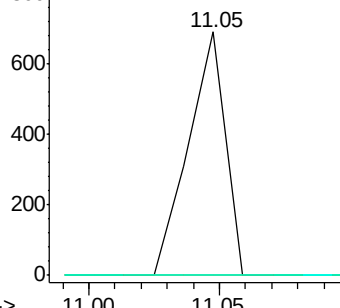
#69
 Pentachlorophenol
 Concen: 5.57 ng
 RT: 11.05 min Scan# 784
 Delta R.T. -0.16 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Instrument :
 BNA_F
 ClientSampleId :
 K202-(12-13)

Tgt Ion:266 Resp: 686
 Ion Ratio Lower Upper
 266 100
 268 0.0 52.4 78.6#
 264 0.0 50.2 75.2#

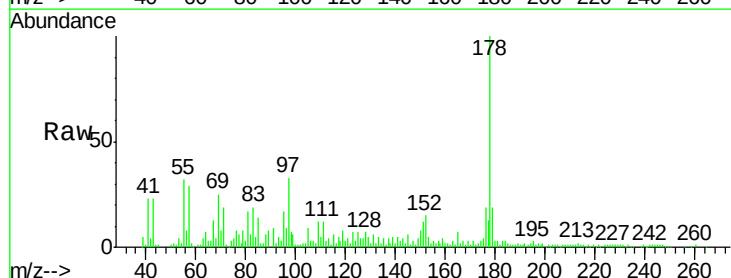


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

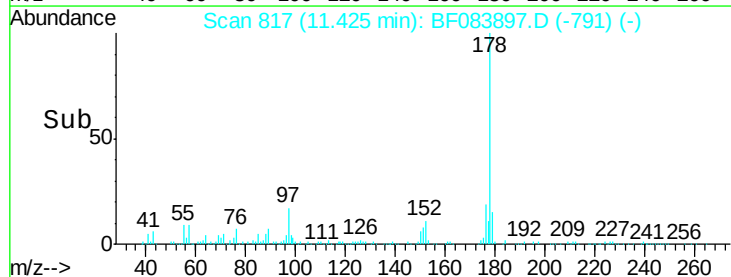
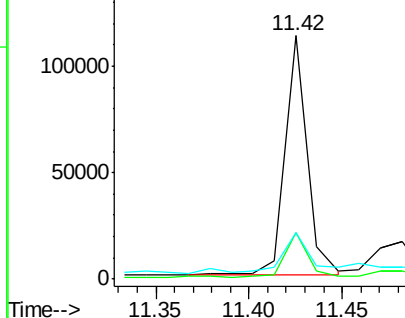


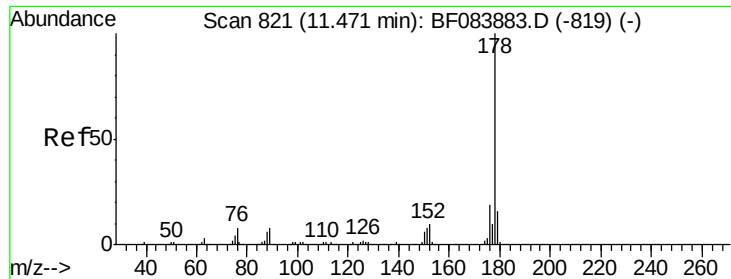
#70
 Phenanthrene
 Concen: 11.21 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Tgt Ion:178 Resp: 94078
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 19.3 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

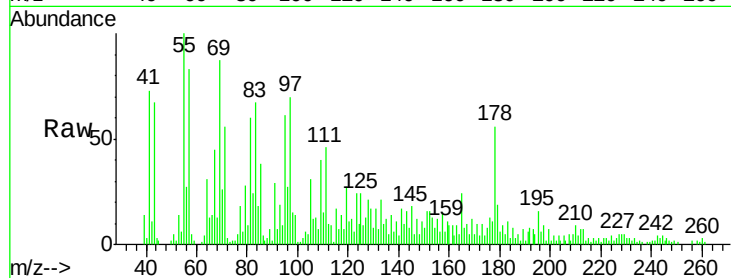




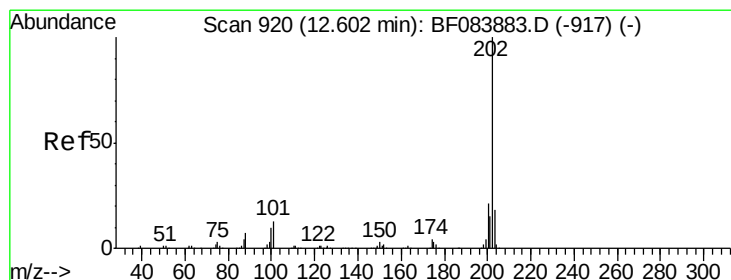
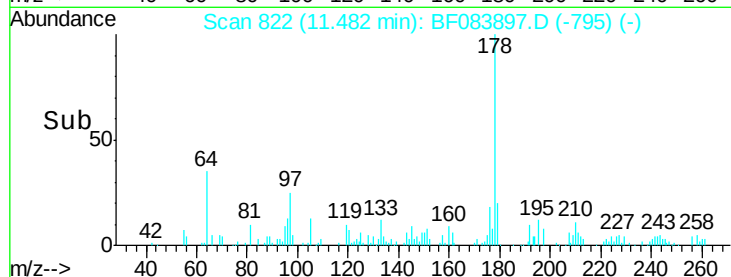
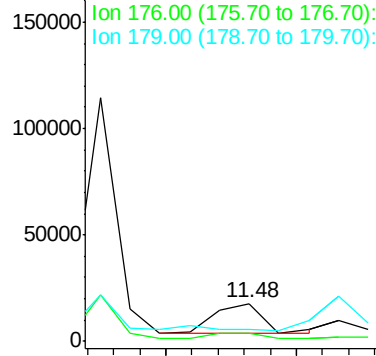
#71
 Anthracene
 Concen: 2.32 ng
 RT: 11.48 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Instrument :
 BNA_F
 ClientSampleId :
 K202-(12-13)

Tgt Ion:178 Resp: 18854
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.4 23.0
 179 32.9 12.5 18.7#

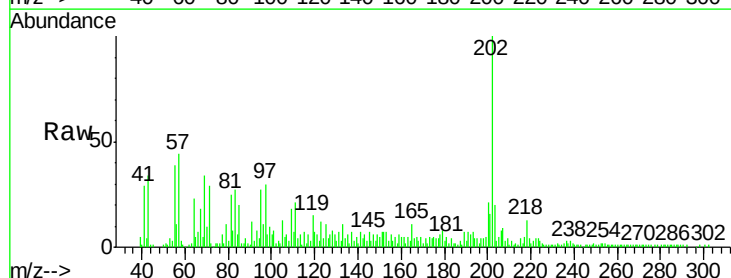


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

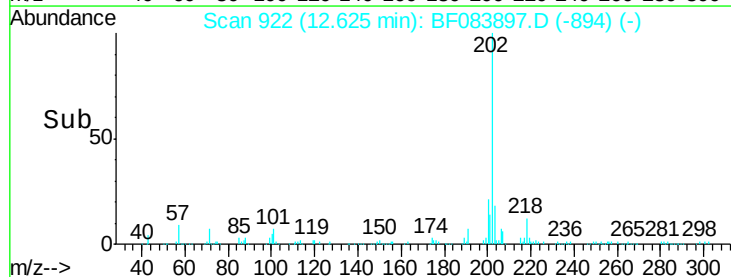
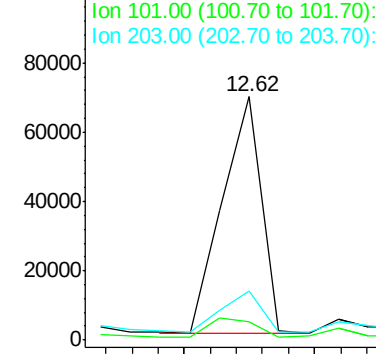


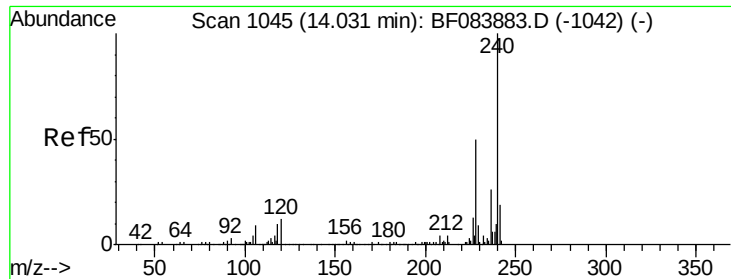
#74
 Fluoranthene
 Concen: 8.51 ng
 RT: 12.62 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: BF083897.D
 Acq: 18 Dec 2015 5:16

Tgt Ion:202 Resp: 71288
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 32.8
 203 20.3 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: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

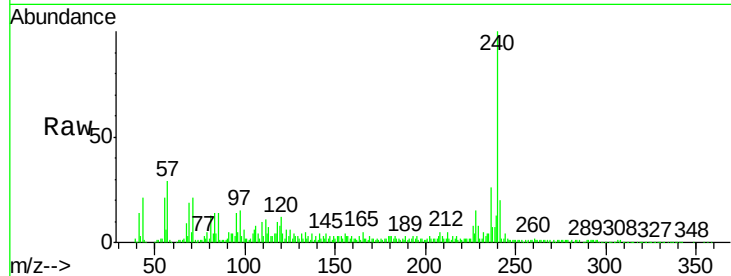
Tgt Ion:240 Resp: 104133

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

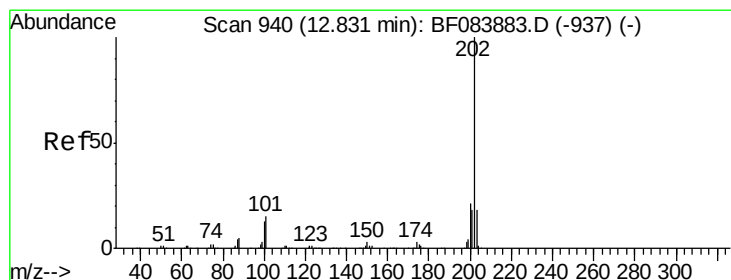
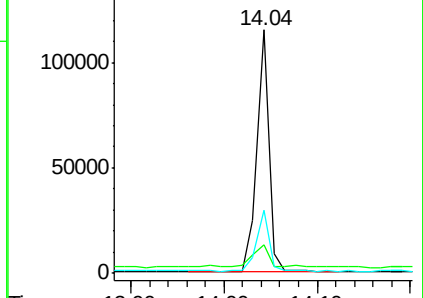
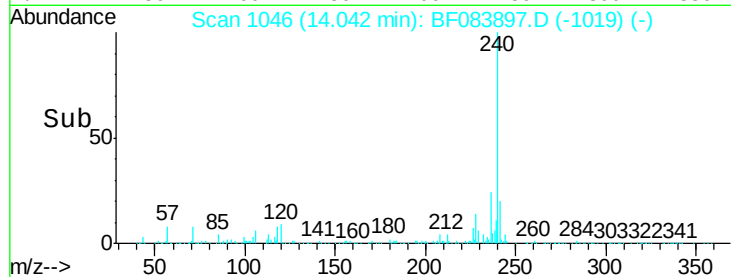
236 25.7 20.6 31.0



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: 18.88 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

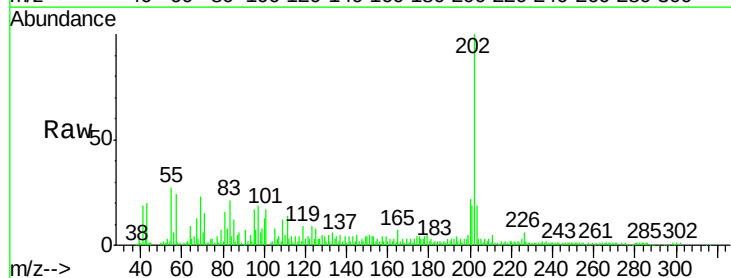
Tgt Ion:202 Resp: 124745

Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

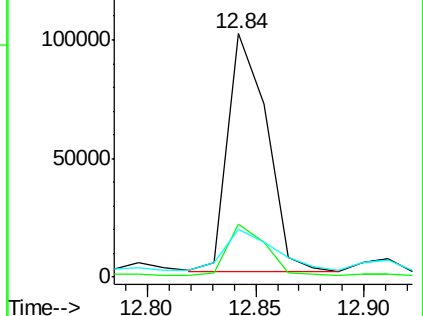
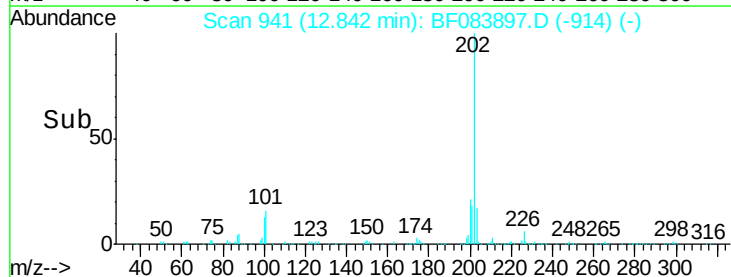
203 19.5 14.3 21.5

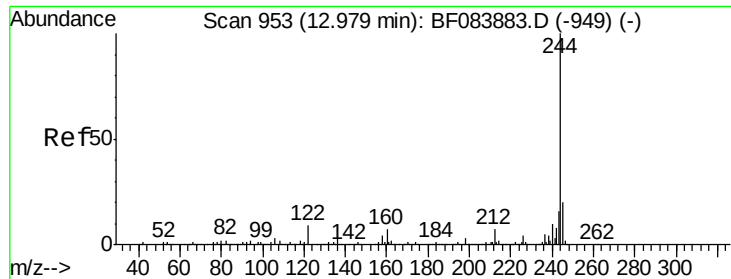


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.42 ng

RT: 12.99 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

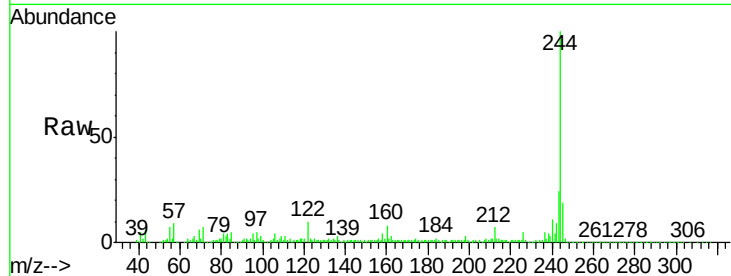
Tgt Ion:244 Resp: 421568

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

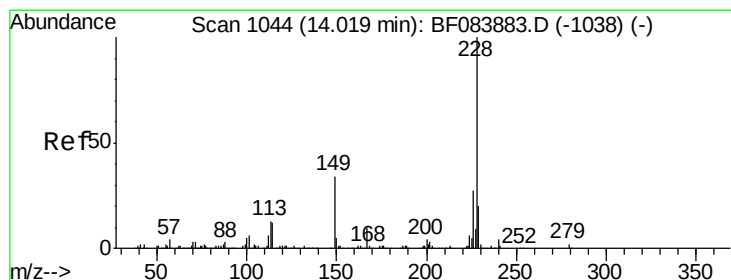
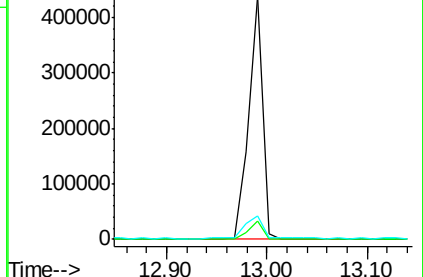
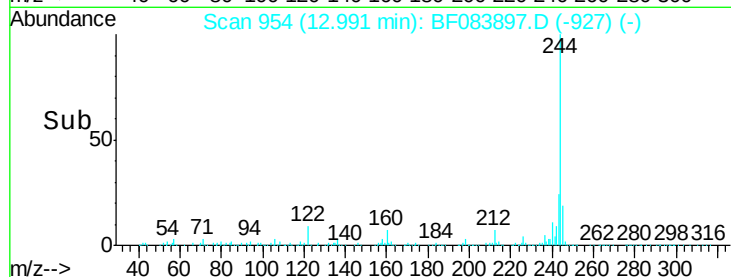
122 9.7 7.4 11.0



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: 11.50 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

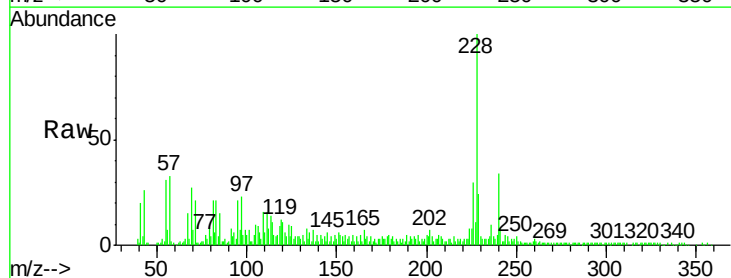
Tgt Ion:228 Resp: 73631

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.6

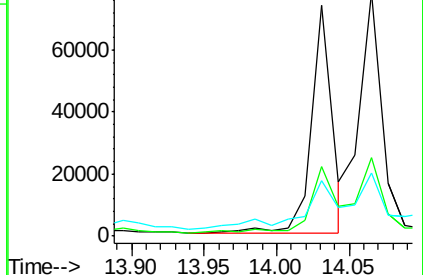
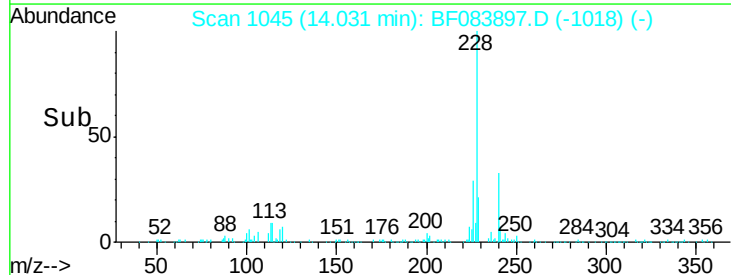
229 23.9 15.8 23.8#

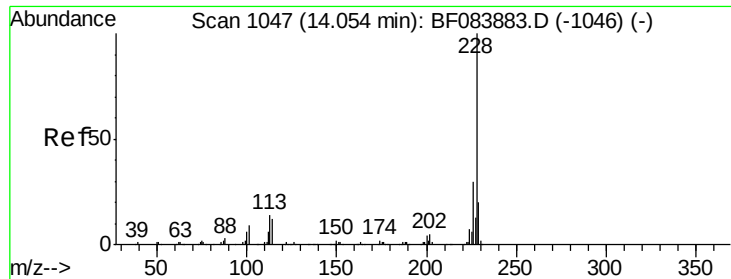


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.91 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

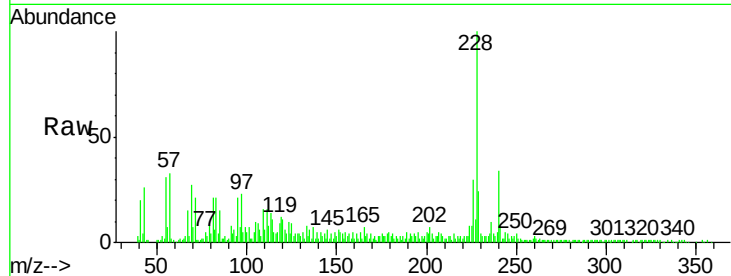
Tgt Ion:228 Resp: 73631

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

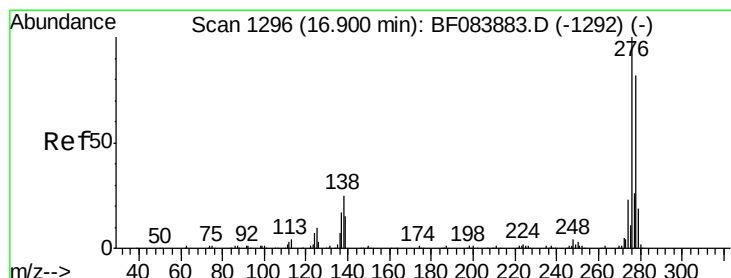
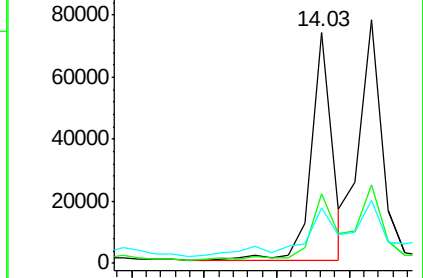
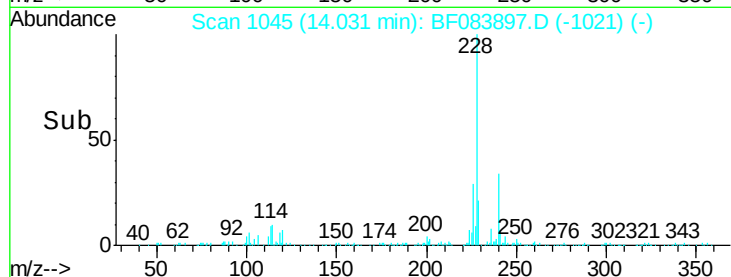
229 23.9 16.1 24.1



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: 5.98 ng

RT: 16.92 min Scan# 1298

Delta R.T. 0.02 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

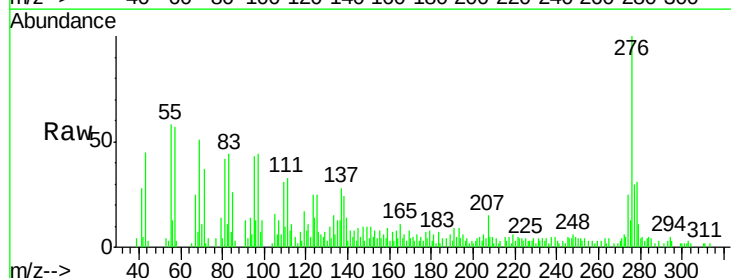
Tgt Ion:276 Resp: 27664

Ion Ratio Lower Upper

276 100

138 21.4 20.6 30.8

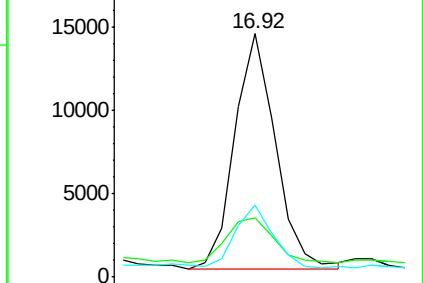
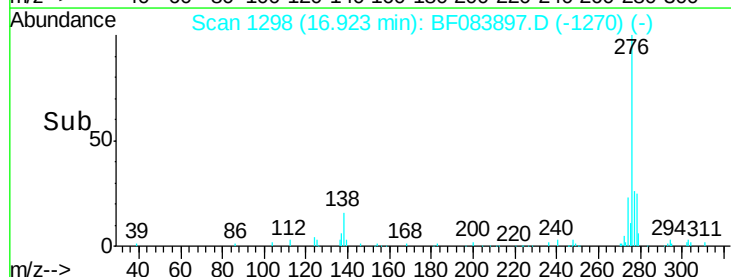
277 24.4 20.1 30.1

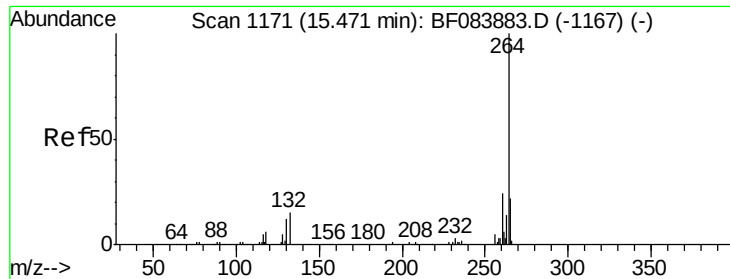


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

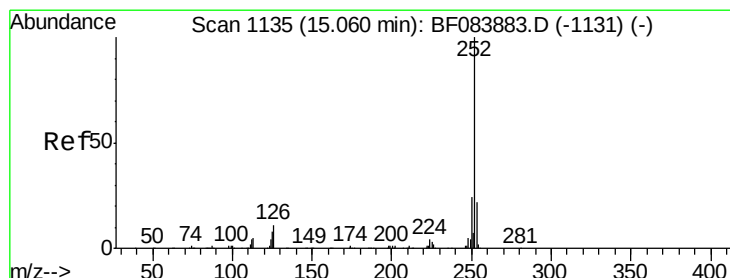
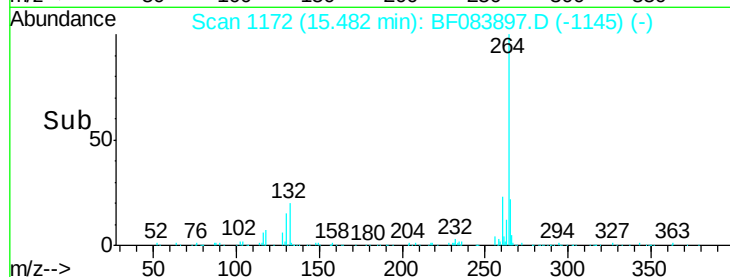
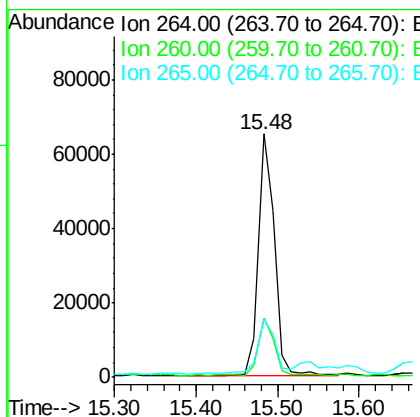
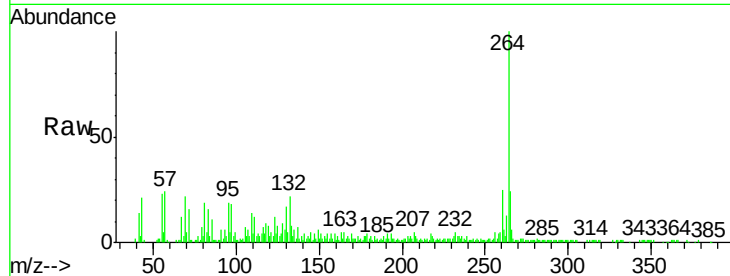




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

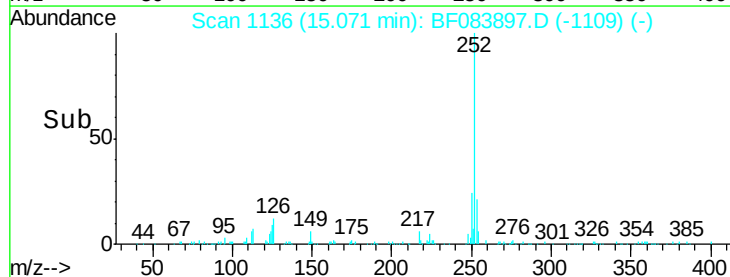
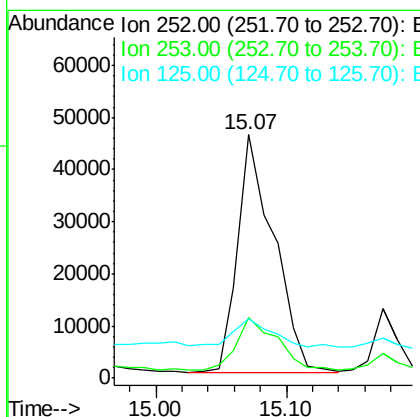
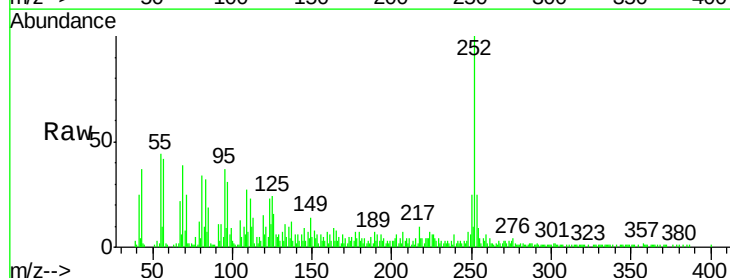
Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

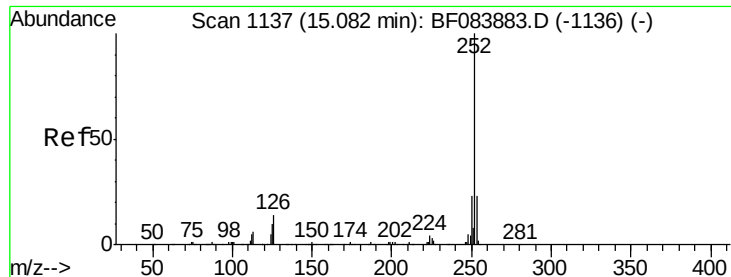
Tgt Ion: 264 Resp: 89182
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 23.6 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 13.54 ng
RT: 15.07 min Scan# 1136
Delta R.T. 0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Tgt Ion: 252 Resp: 88022
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 24.4 6.5 9.7#

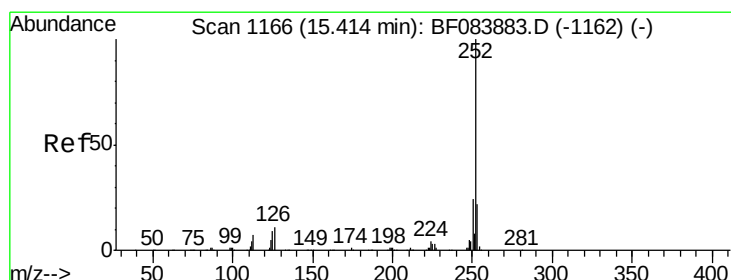
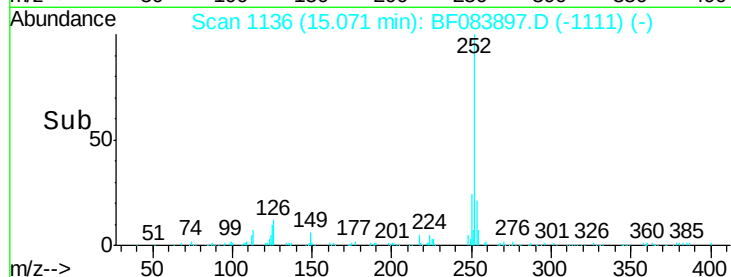
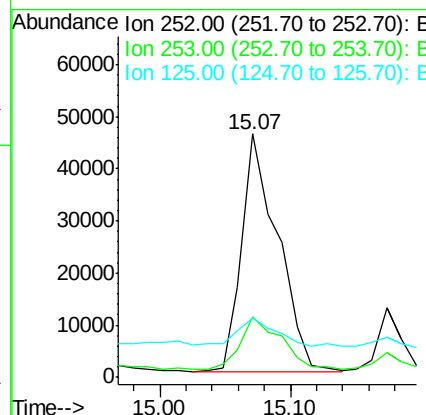
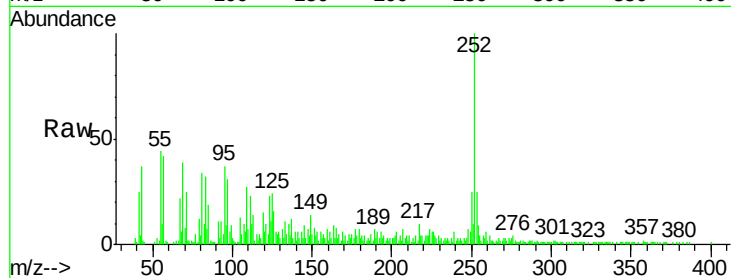




#88
Benzo(k)fluoranthene
Concen: 16.41 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

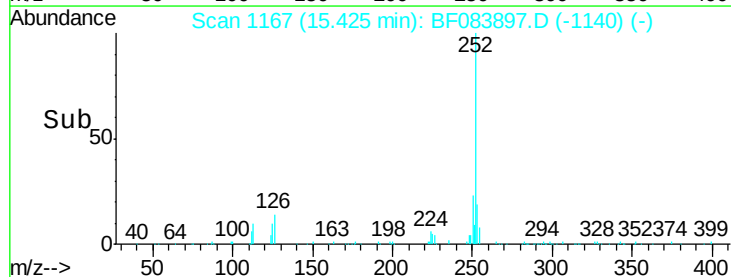
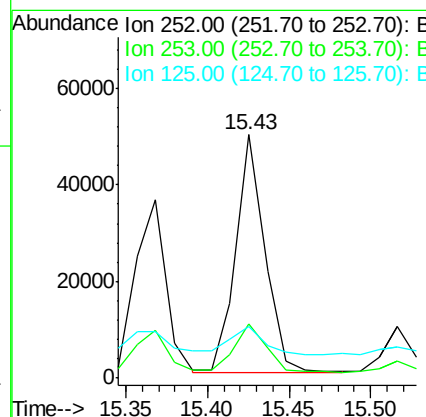
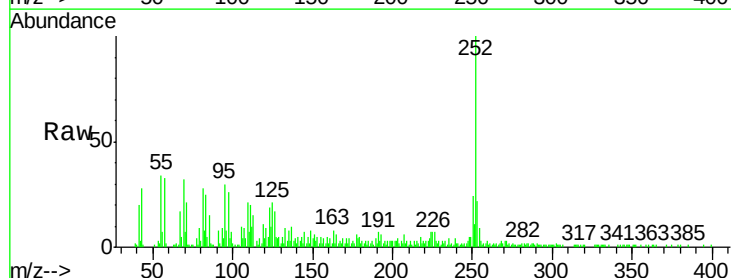
Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

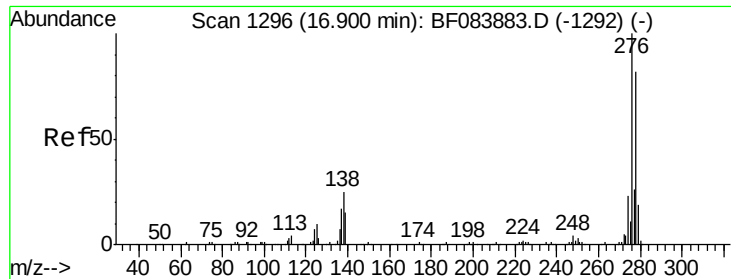
Tgt Ion:252 Resp: 88022
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 24.4 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 11.28 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF083897.D
Acq: 18 Dec 2015 5:16

Tgt Ion:252 Resp: 60562
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 21.0 7.0 10.4#





#90

Dibenzo(a,h)anthracene

Concen: 2.39 ng

RT: 16.92 min Scan# 1298

Delta R.T. 0.02 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

Instrument :

BNA_F

ClientSampleId :

K202-(12-13)

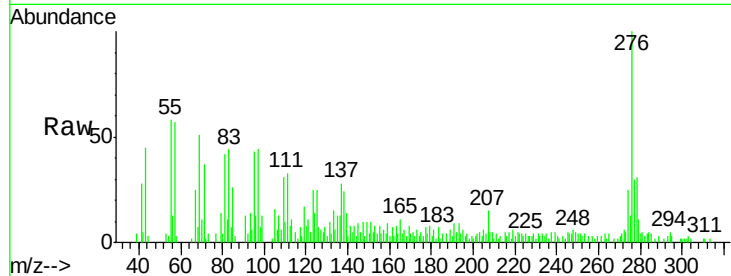
Tgt Ion:278 Resp: 9988

Ion Ratio Lower Upper

278 100

139 47.2 15.0 22.4#

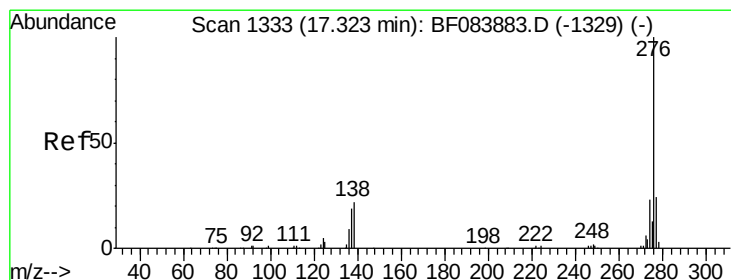
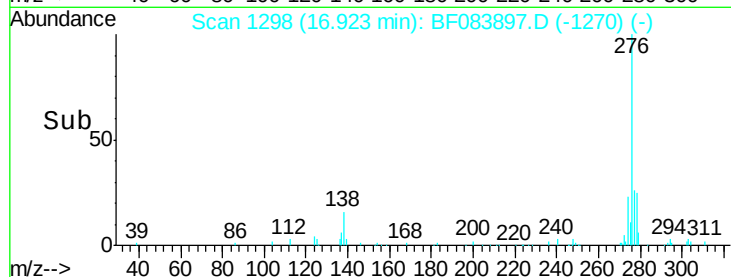
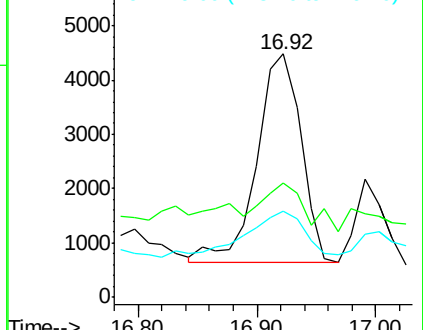
279 35.3 18.9 28.3#



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: 7.35 ng

RT: 17.36 min Scan# 1336

Delta R.T. 0.03 min

Lab File: BF083897.D

Acq: 18 Dec 2015 5:16

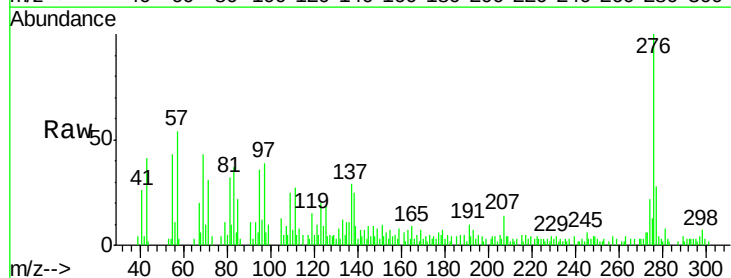
Tgt Ion:276 Resp: 30073

Ion Ratio Lower Upper

276 100

277 27.9 18.8 28.2

138 24.8 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

