

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084918.D
 Acq On : 6 Feb 2016 18:12
 Operator : SJ/IZ
 Sample : H1338-04
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AW-1

Quant Time: Feb 08 01:24:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

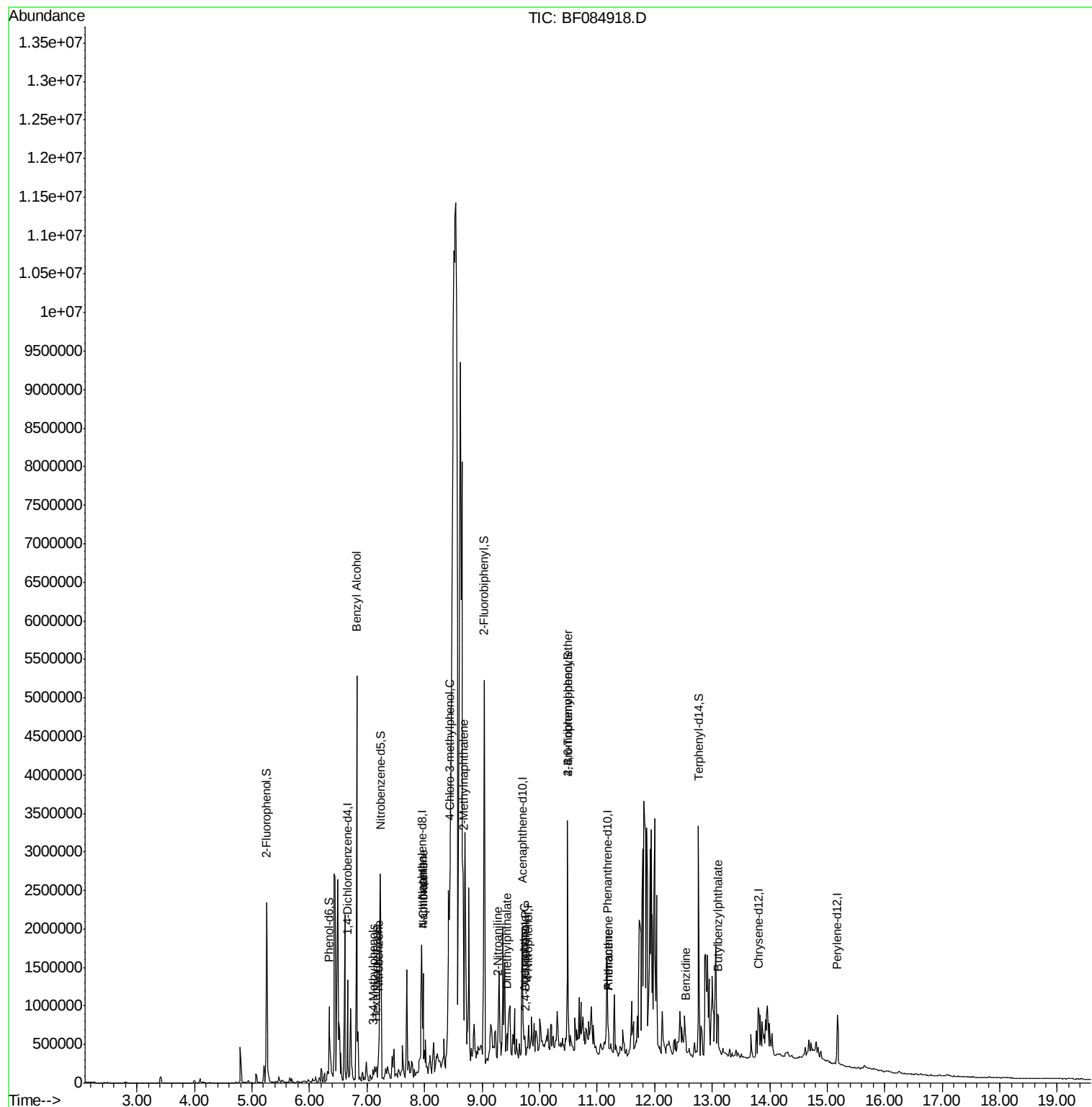
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175496	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	716984	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	302024	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	447039	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	324160	20.00	ng	-0.02
86) Perylene-d12	15.17	264	313054	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	714842	63.45	ng	-0.02
7) Phenol-d6	6.34	99	577123	41.32	ng	0.00
23) Nitrobenzene-d5	7.23	82	1047982	82.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	333169	105.76	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1563140	88.31	ng	-0.02
78) Terphenyl-d14	12.76	244	1002970	70.11	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.82	79	34073	3.53	ng	# 25
18) Hexachloroethane	7.16	117	11411	2.20	ng	# 1
20) 3+4-Methylphenols	7.10	107	76306	6.10	ng	89
24) Nitrobenzene	7.21	77	40865	3.00	ng	# 24
31) Naphthalene	7.97	128	564982	15.71	ng	99
33) 4-Chloroaniline	7.97	127	90680	6.10	ng	# 36
36) 4-Chloro-3-methylphenol	8.44	107	236465	20.72	ng	# 22
37) 2-Methylnaphthalene	8.67	142	534668	23.75	ng	96
47) 2-Nitroaniline	9.28	65	18376	2.92	ng	# 36
49) Dimethylphthalate	9.44	163	133185	5.79	ng	# 90
51) Acenaphthene	9.73	154	39558	2.02	ng	97
53) 2,4-Dinitrophenol	9.76	184	1619	6.45	ng	# 1
55) 4-Nitrophenol	9.80	139	9268	2.23	ng	# 82
60) 4-Chlorophenyl-phenylether	10.22	204	1180	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.49	248	20696	4.19	ng	# 1
70) Phenanthrene	11.20	178	69229	2.79	ng	96
71) Anthracene	11.20	178	69229	2.77	ng	96
76) Benzydine	12.54	184	1929	7.00	ng	# 1
79) Butylbenzylphthalate	13.10	149	77062	6.84	ng	# 59

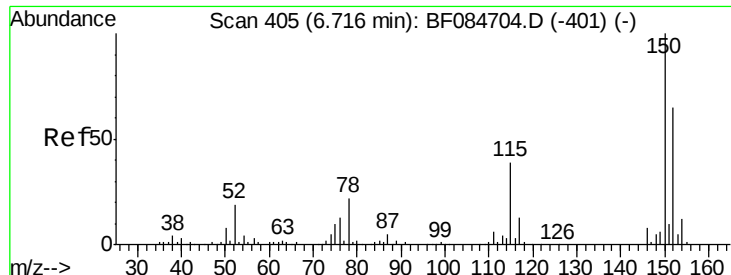
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

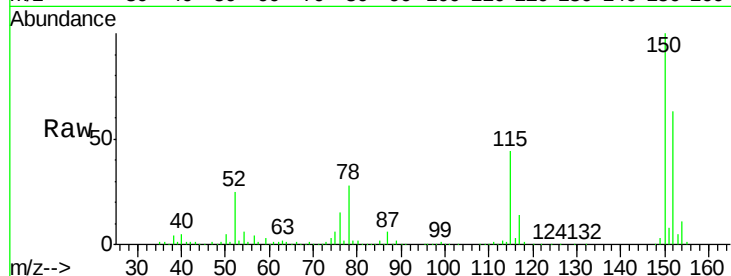
Tgt Ion:152 Resp: 175496

Ion Ratio Lower Upper

152 100

150 158.1 123.0 184.4

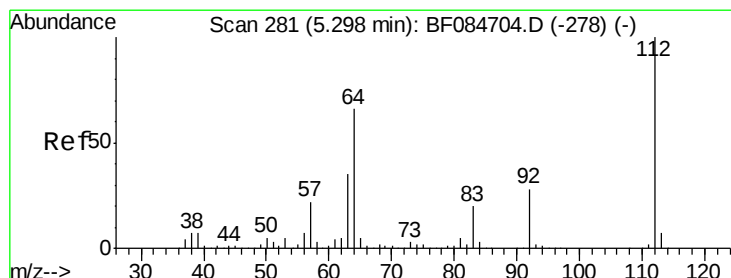
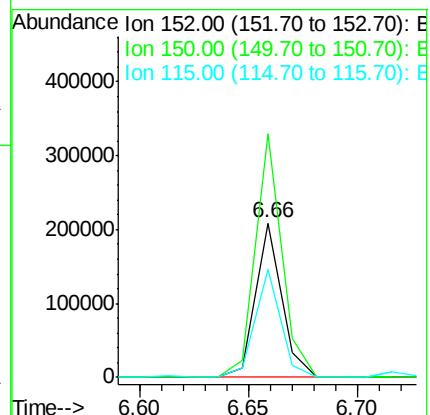
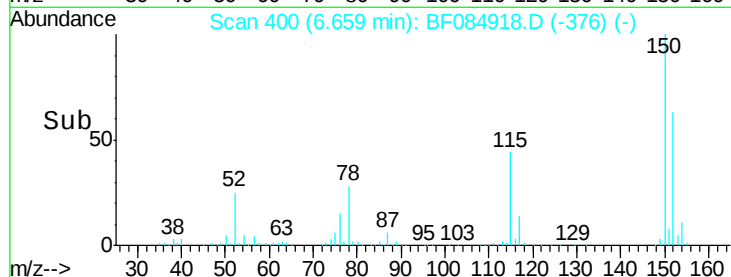
115 70.1 51.4 77.2



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



#5

2-Fluorophenol

Concen: 63.45 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

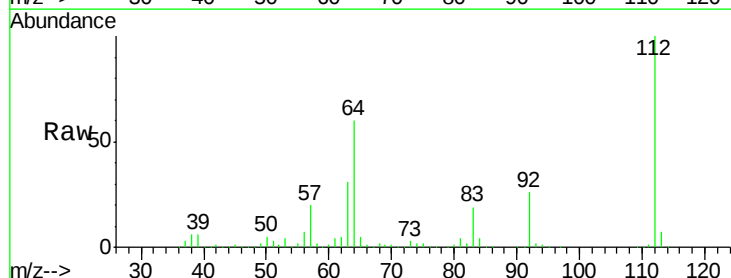
Tgt Ion:112 Resp: 714842

Ion Ratio Lower Upper

112 100

64 60.4 36.6 55.0#

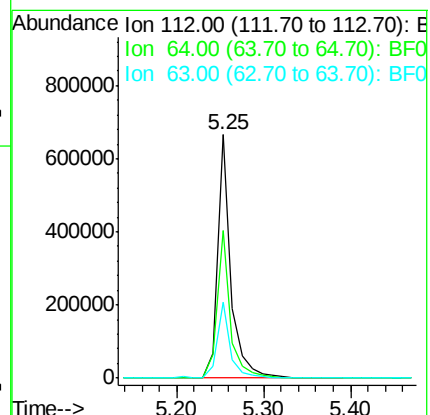
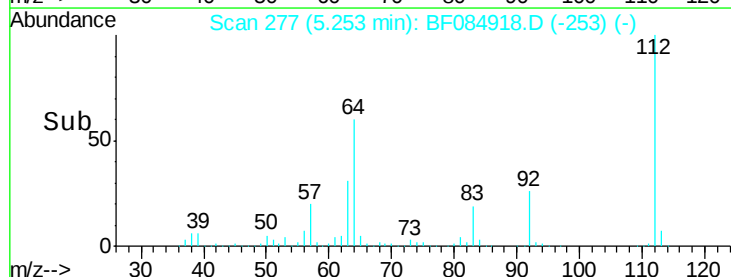
63 31.3 19.4 29.0#

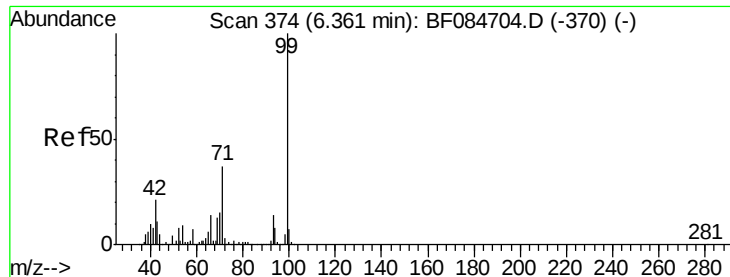


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.32 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

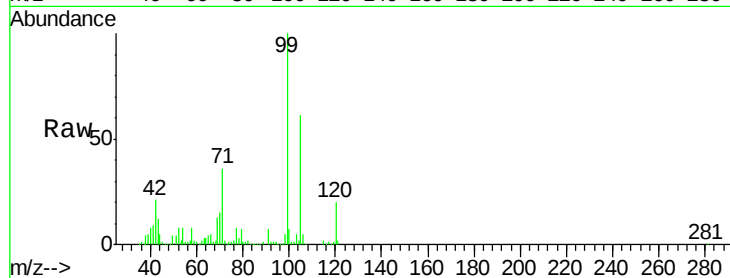
Tgt Ion: 99 Resp: 577123

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

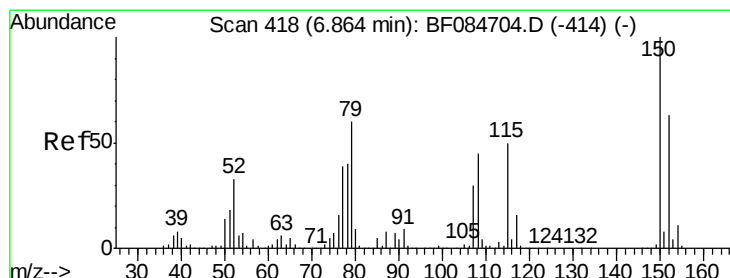
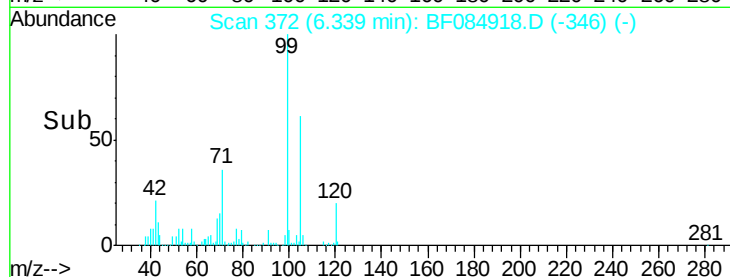
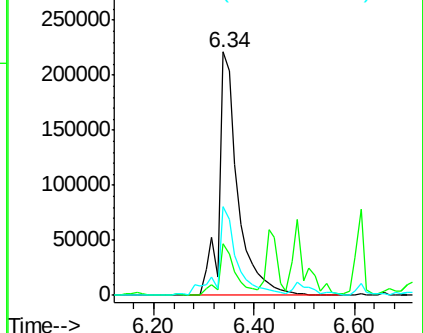
71 36.3 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 3.53 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

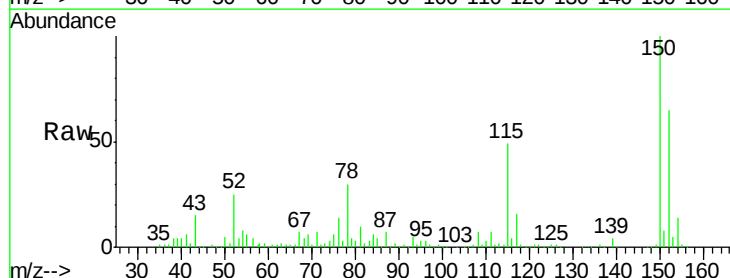
Tgt Ion: 79 Resp: 34073

Ion Ratio Lower Upper

79 100

108 186.8 69.0 103.4#

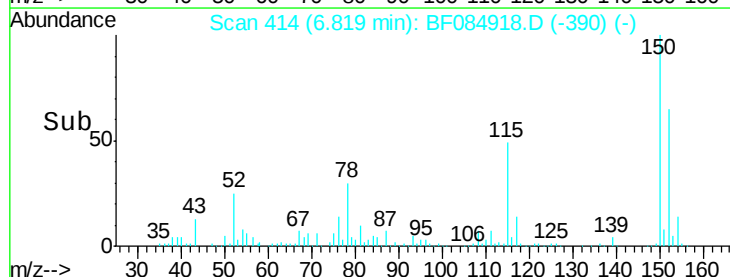
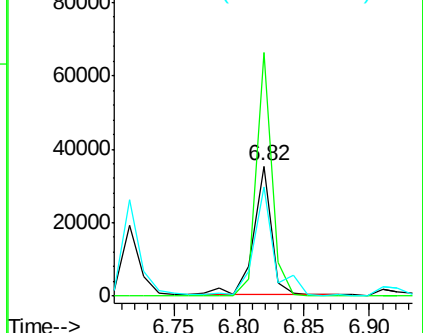
77 84.0 50.0 75.0#

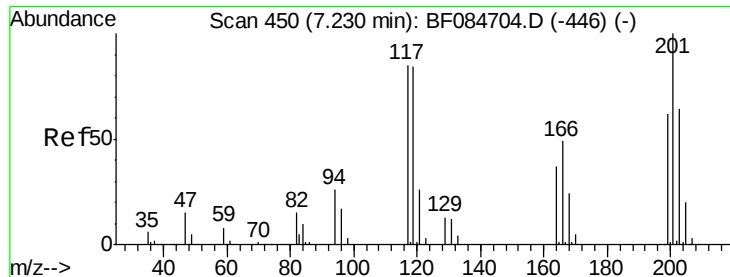


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

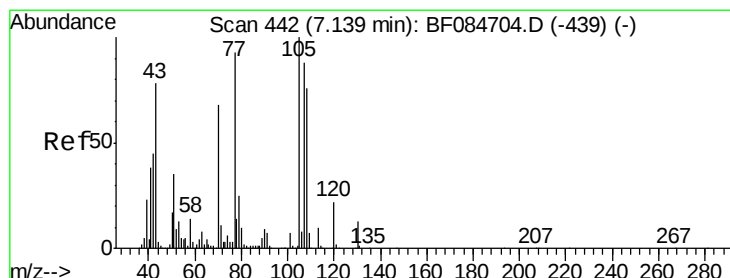
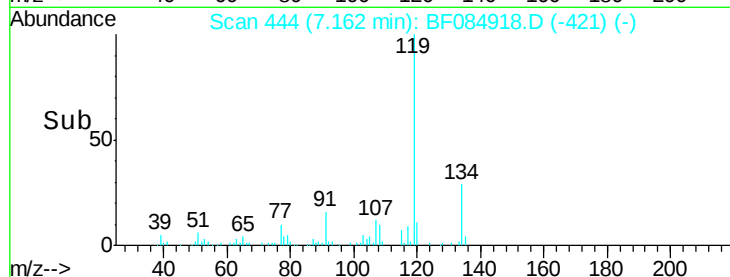
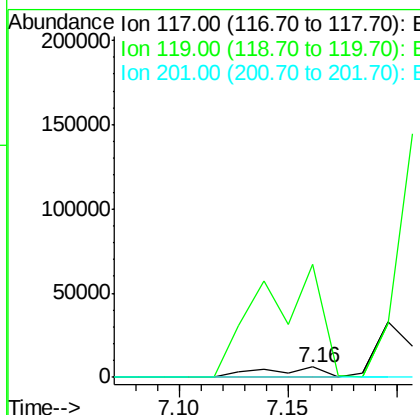
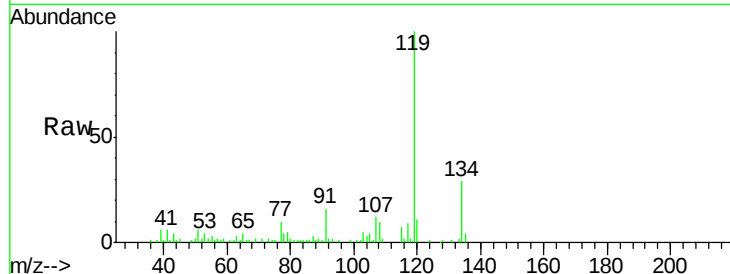




#18
Hexachloroethane
Concen: 2.20 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

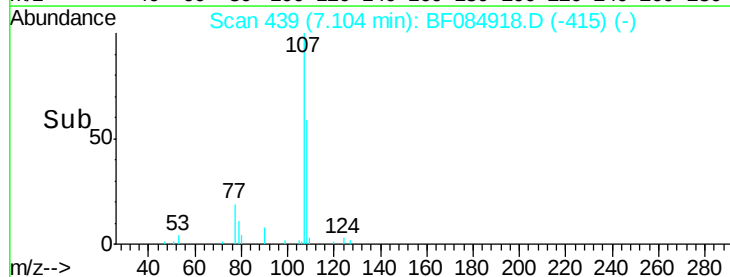
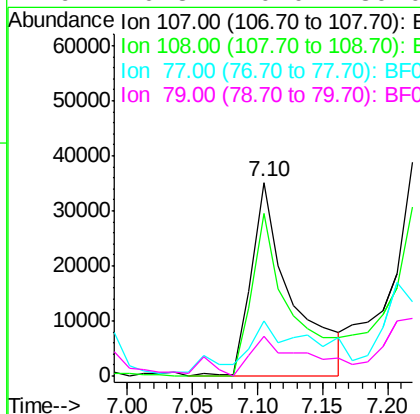
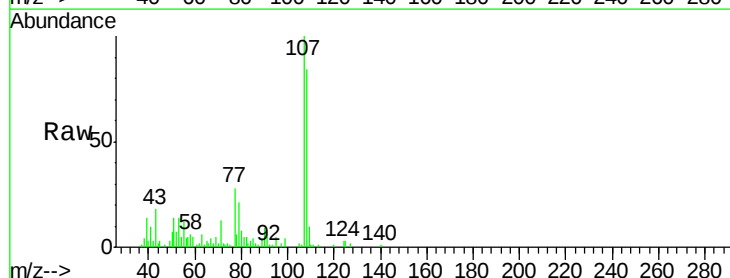
Instrument :
BNA_F
ClientSampleId :
AW-1

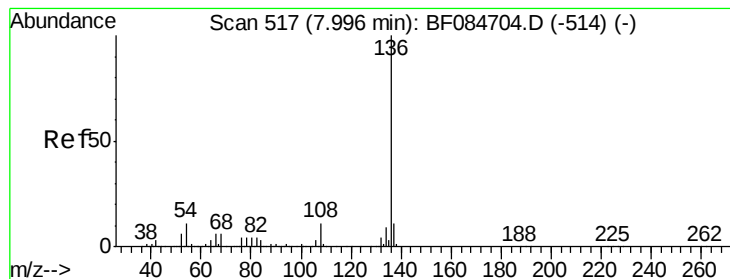
Tgt Ion:117 Resp: 11411
Ion Ratio Lower Upper
117 100
119 1096.0 77.4 116.0#
201 0.0 68.6 103.0#



#20
3+4-Methylphenols
Concen: 6.10 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:107 Resp: 76306
Ion Ratio Lower Upper
107 100
108 83.8 74.6 114.6
77 28.4 0.7 40.7
79 20.8 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

Tgt Ion:136 Resp: 716984

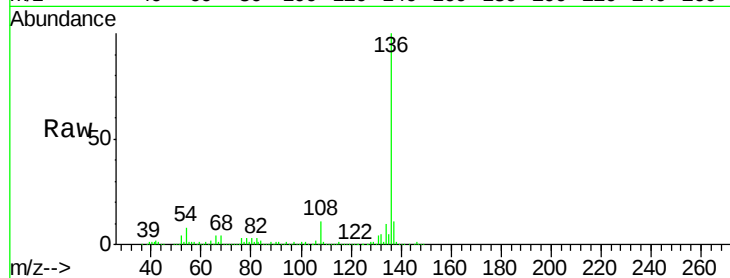
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.9 5.8 8.8

68 4.5 4.2 6.2

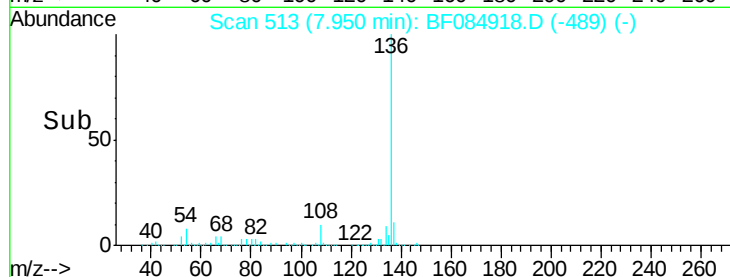


Abundance Ion 136.00 (135.70 to 136.70): E

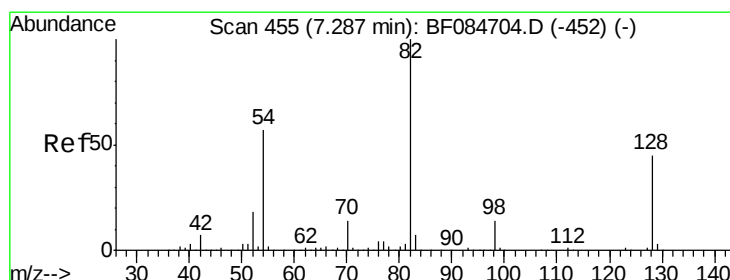
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 82.34 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

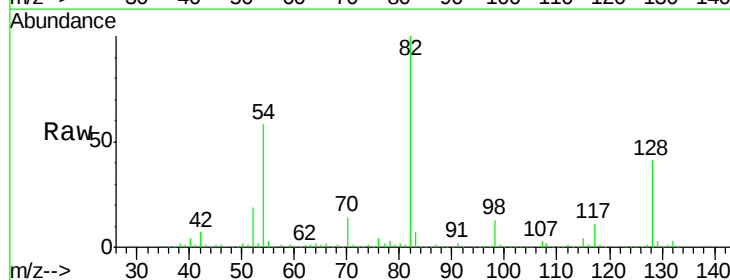
Tgt Ion: 82 Resp: 1047982

Ion Ratio Lower Upper

82 100

128 41.3 34.6 51.8

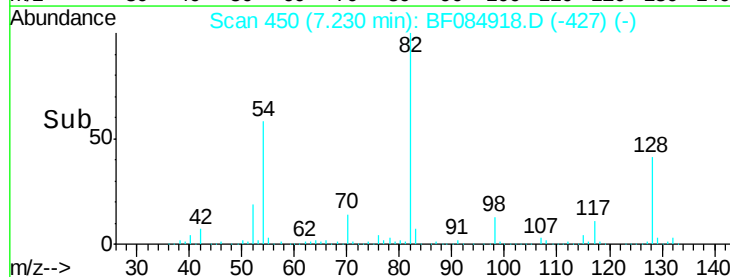
54 57.9 38.4 57.6#



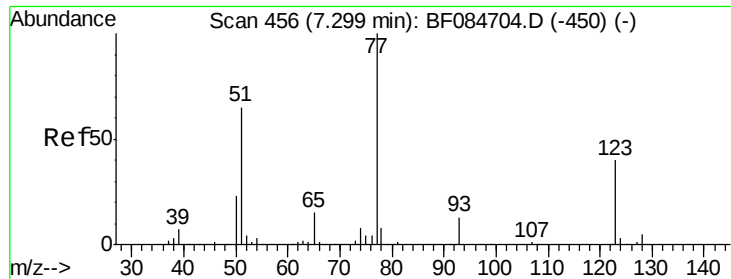
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



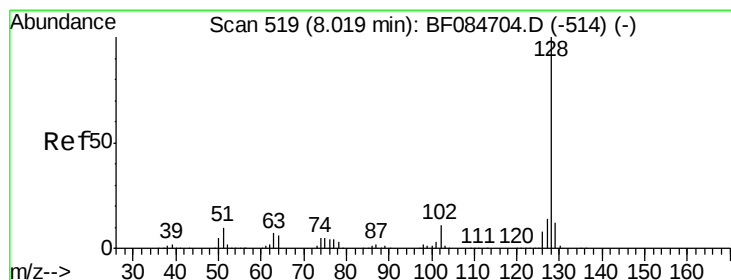
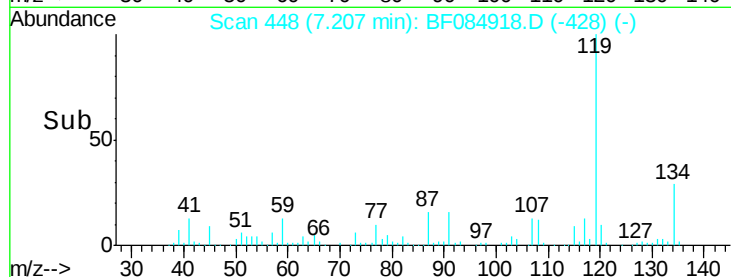
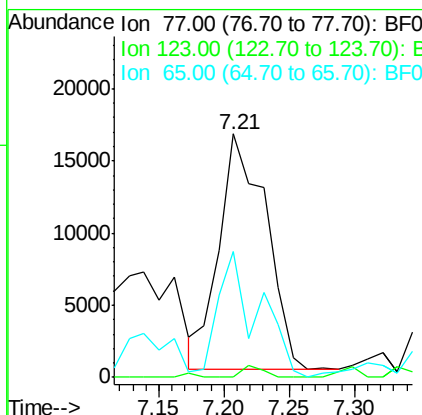
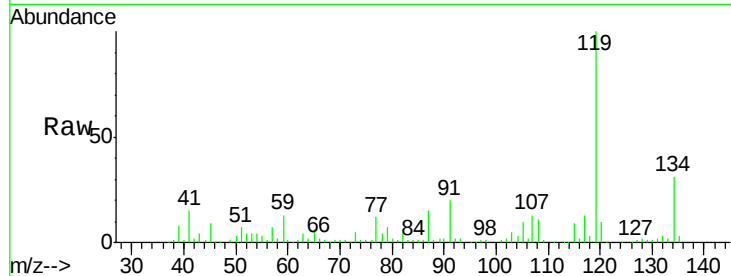
Time-->



#24
 Nitrobenzene
 Concen: 3.00 ng
 RT: 7.21 min Scan# 448
 Delta R.T. -0.07 min
 Lab File: BF084918.D
 Acq: 6 Feb 2016 18:12

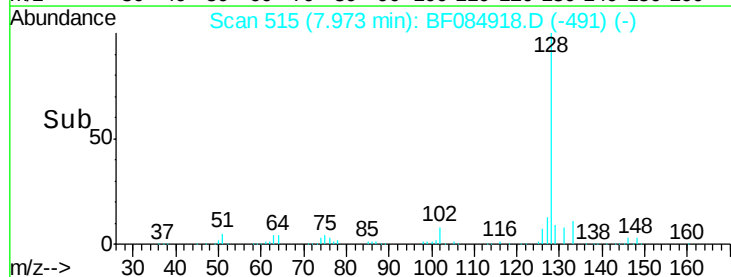
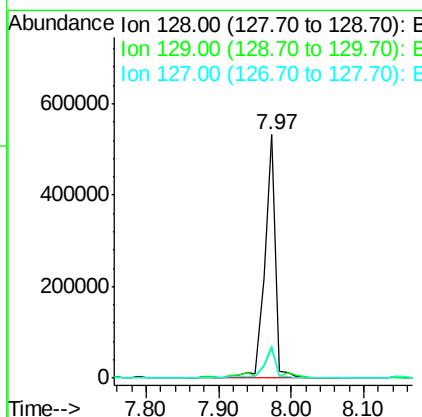
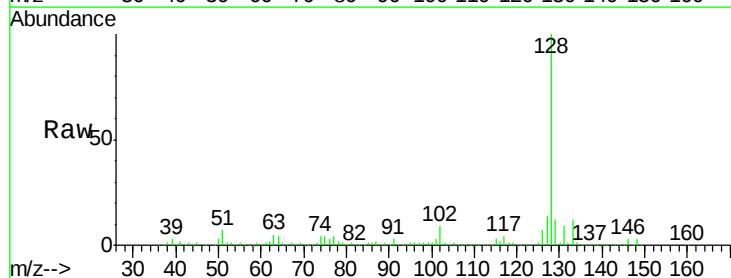
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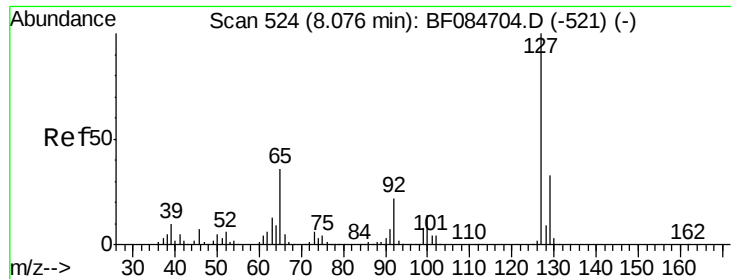
Tgt Ion: 77 Resp: 40865
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.4 56.2#
 65 51.7 10.9 16.3#



#31
 Naphthalene
 Concen: 15.71 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.02 min
 Lab File: BF084918.D
 Acq: 6 Feb 2016 18:12

Tgt Ion: 128 Resp: 564982
 Ion Ratio Lower Upper
 128 100
 129 12.1 9.1 13.7
 127 13.5 11.1 16.7

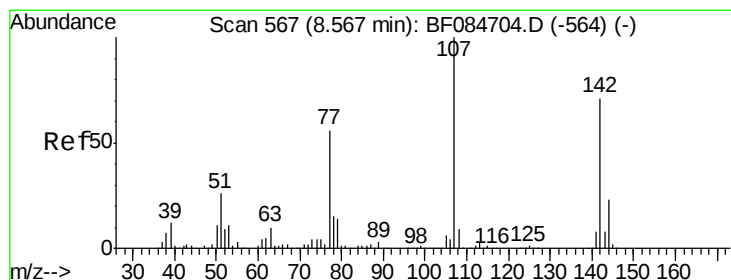
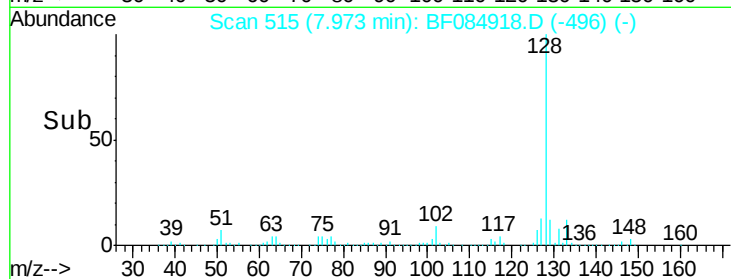
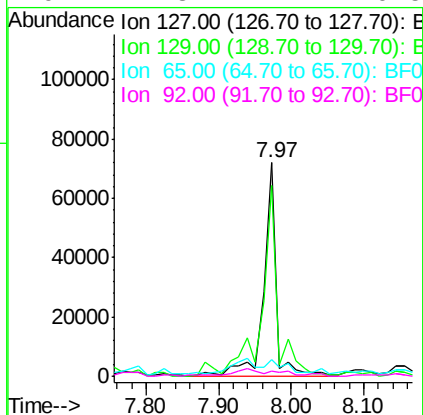
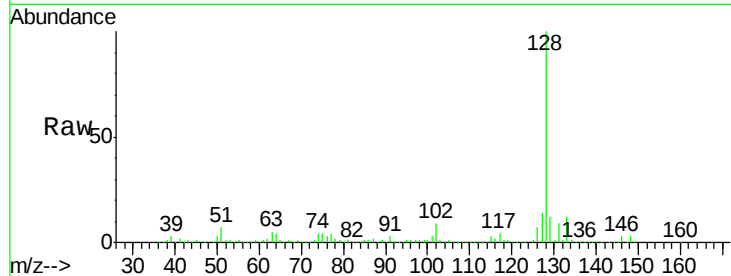




#33
4-Chloroaniline
Concen: 6.10 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

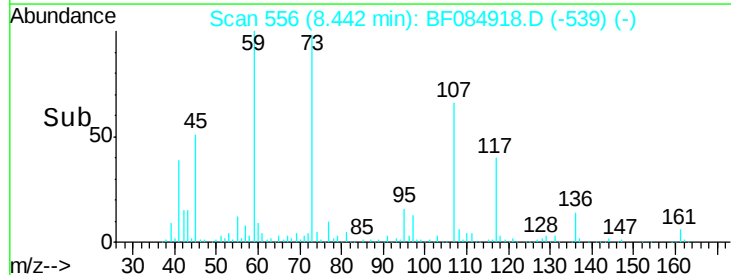
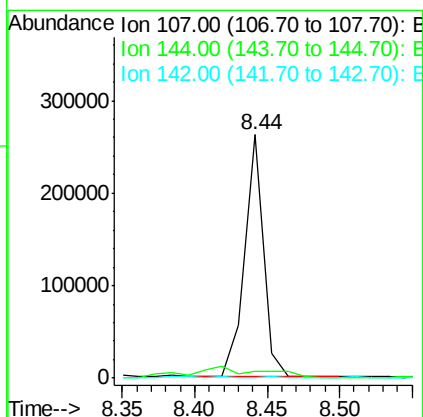
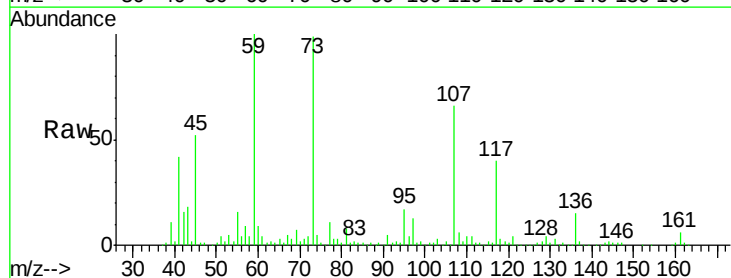
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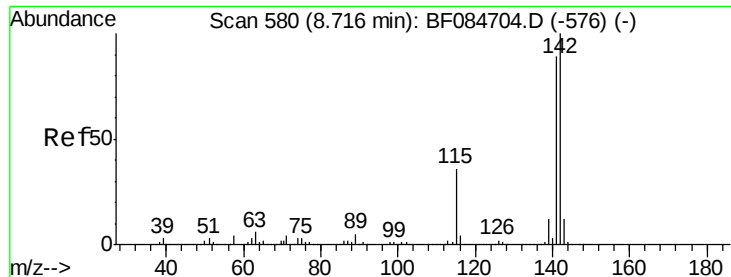
Tgt Ion:	127	Resp:	90680
Ion	Ratio	Lower	Upper
127	100		
129	89.2	26.5	39.7#
65	8.1	27.2	40.8#
92	2.3	17.7	26.5#



#36
4-Chloro-3-methylphenol
Concen: 20.72 ng
RT: 8.44 min Scan# 556
Delta R.T. -0.10 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:	107	Resp:	236465
Ion	Ratio	Lower	Upper
107	100		
144	2.9	19.7	29.5#
142	0.2	61.8	92.6#

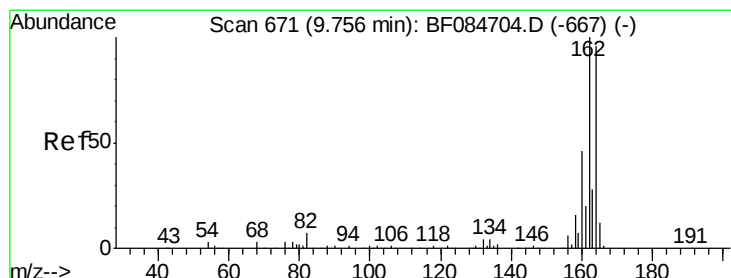
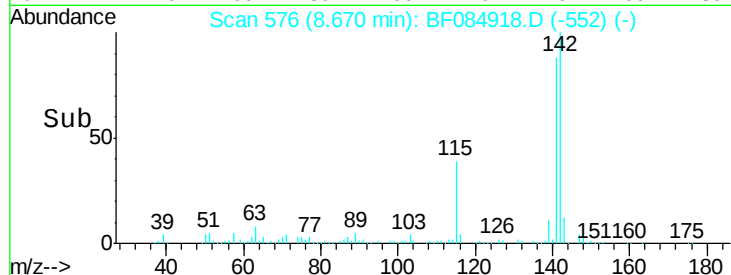
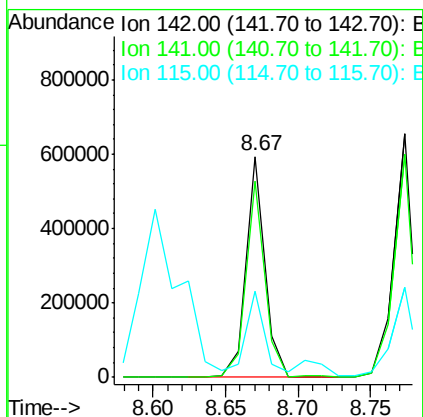
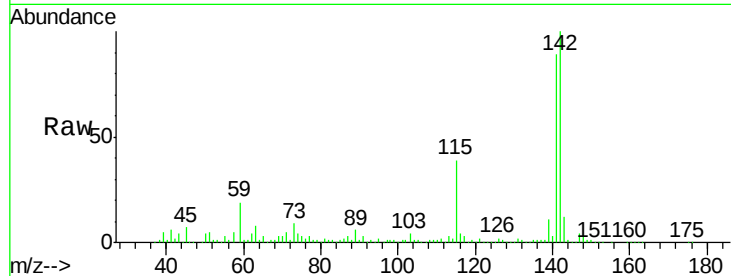




#37
2-Methylnaphthalene
Concen: 23.75 ng
RT: 8.67 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

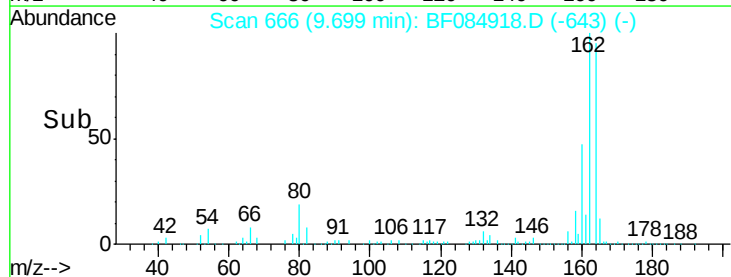
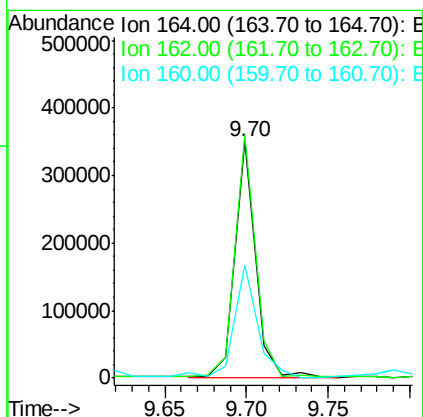
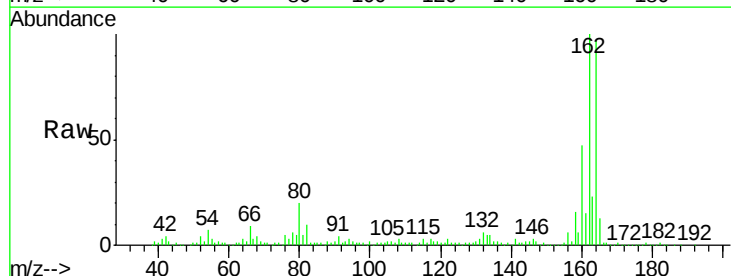
Instrument :
BNA_F
ClientSampleId :
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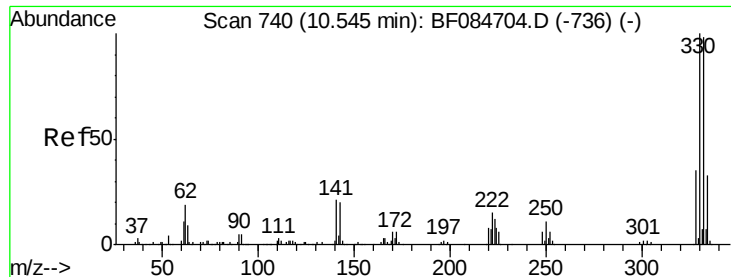
Tgt Ion:142 Resp: 534668
Ion Ratio Lower Upper
142 100
141 88.5 72.4 108.6
115 39.2 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:164 Resp: 302024
Ion Ratio Lower Upper
164 100
162 102.7 85.1 127.7
160 47.9 37.5 56.3

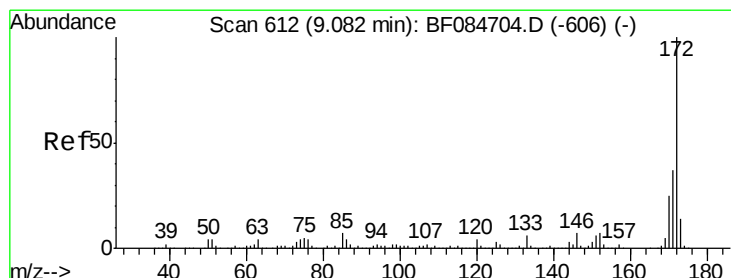
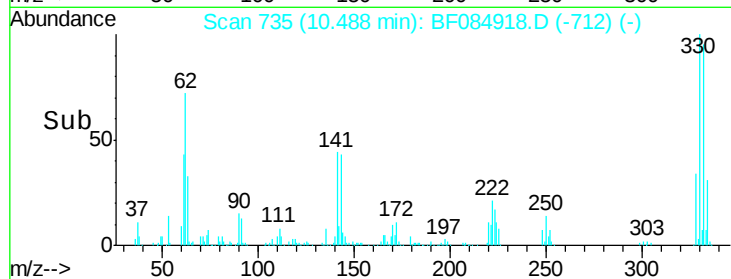
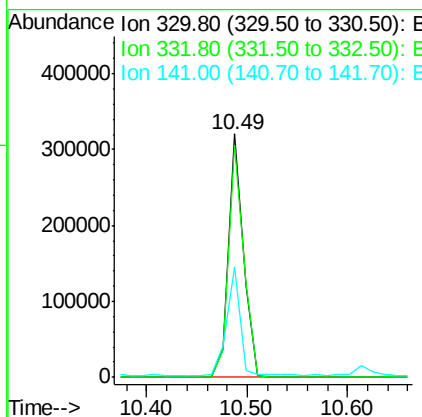
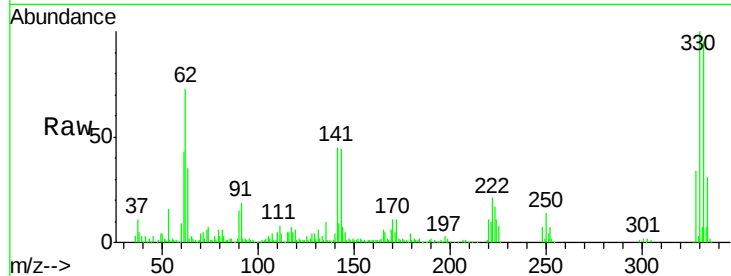




#41
 2,4,6-Tribromophenol
 Concen: 105.76 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084918.D
 Acq: 6 Feb 2016 18:12

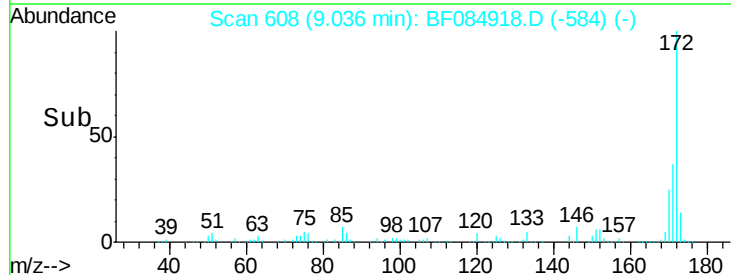
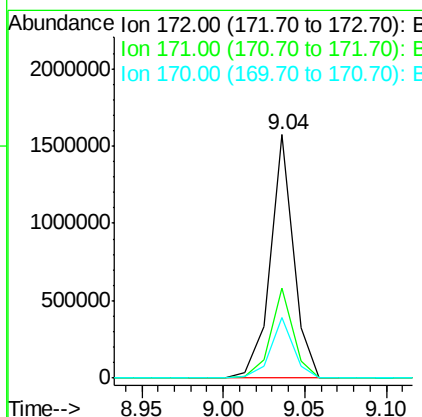
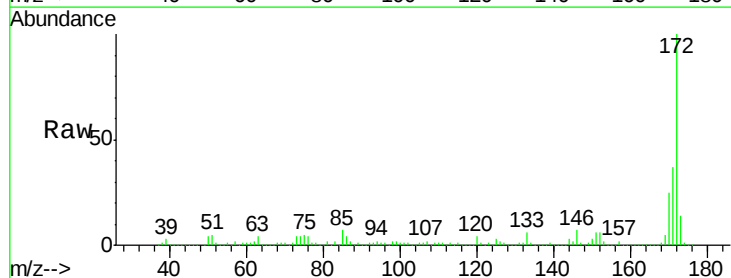
Instrument :
 BNA_F
 ClientSampleId :
 AW-1

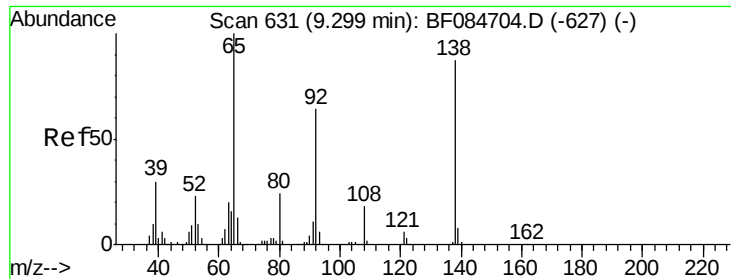
Tgt Ion:330 Resp: 333169
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 40.4 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 88.31 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084918.D
 Acq: 6 Feb 2016 18:12

Tgt Ion:172 Resp: 1563140
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 25.0 18.6 27.8





#47

2-Nitroaniline

Concen: 2.92 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

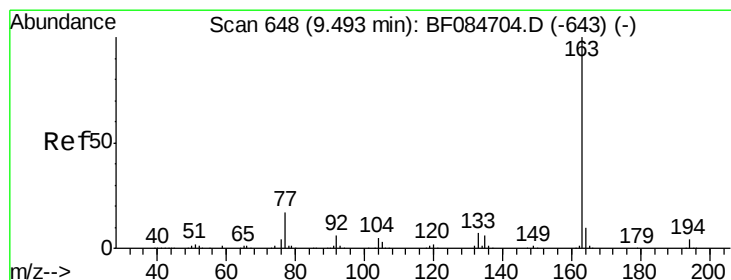
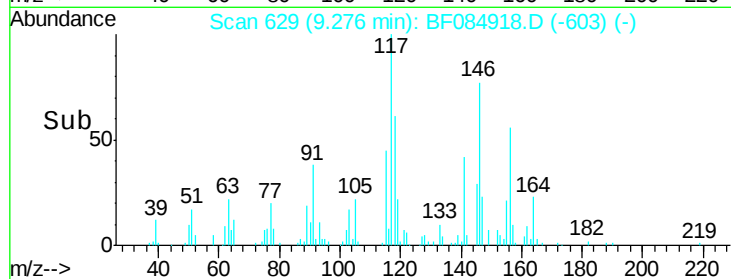
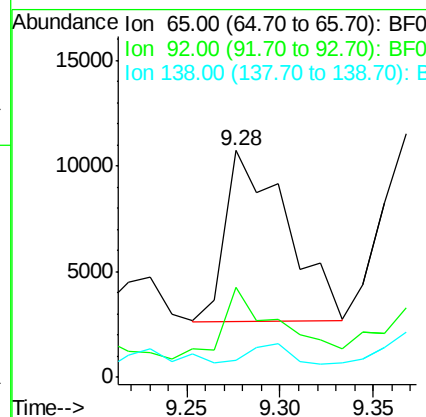
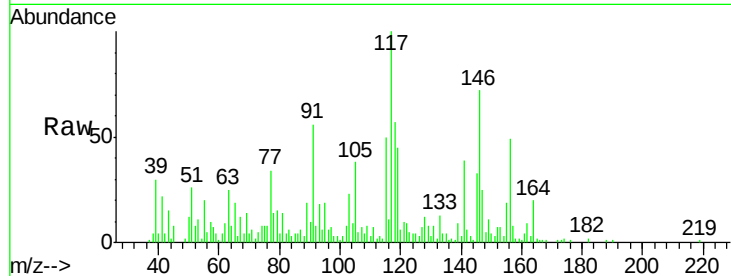
Tgt Ion: 65 Resp: 18376

Ion Ratio Lower Upper

65 100

92 39.6 53.4 80.2#

138 7.3 71.1 106.7#



#49

Dimethylphthalate

Concen: 5.79 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

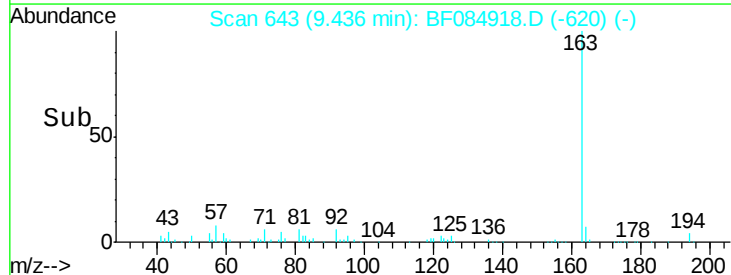
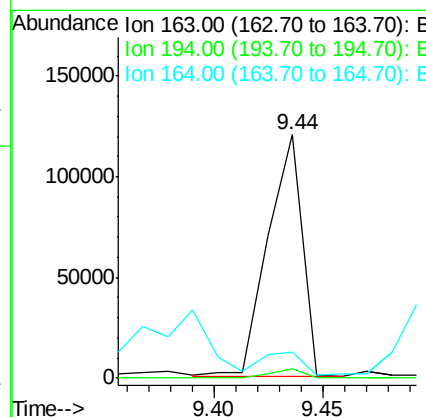
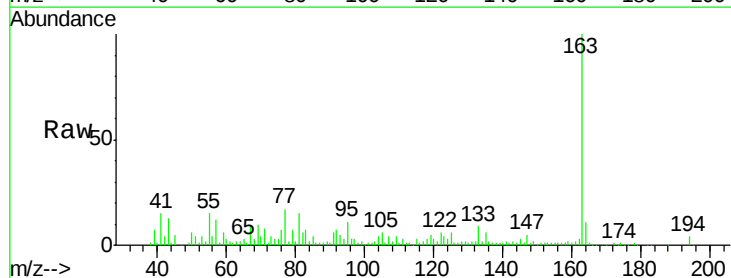
Tgt Ion: 163 Resp: 133185

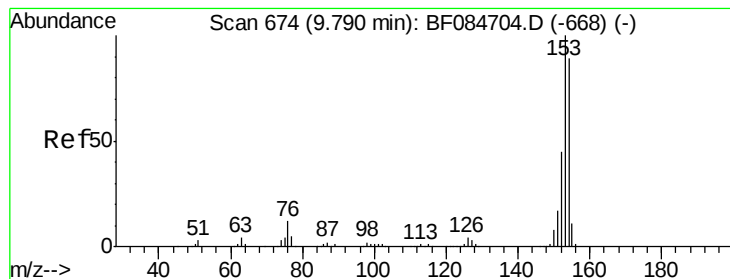
Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

164 10.8 8.0 12.0





#51

Acenaphthene

Concen: 2.02 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

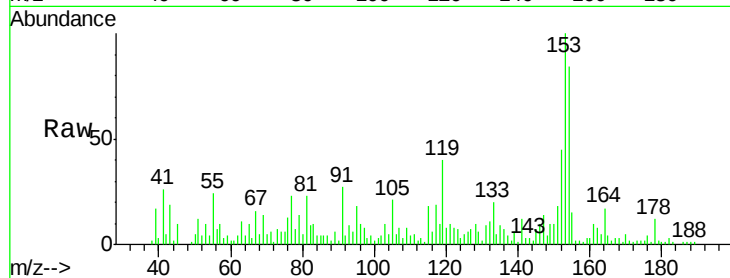
Tgt Ion:154 Resp: 39558

Ion Ratio Lower Upper

154 100

153 119.1 91.5 137.3

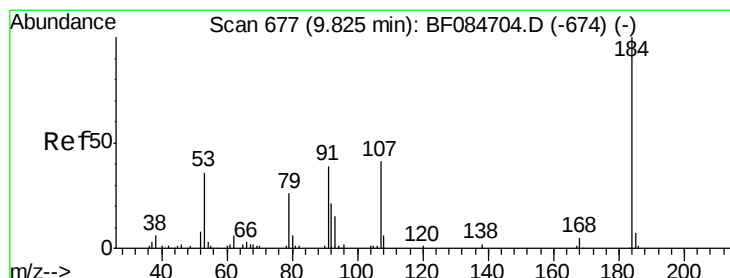
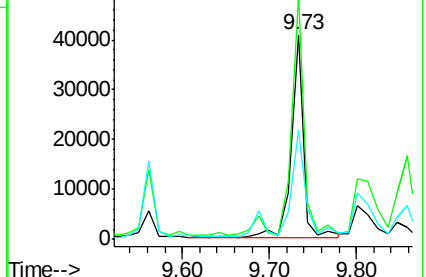
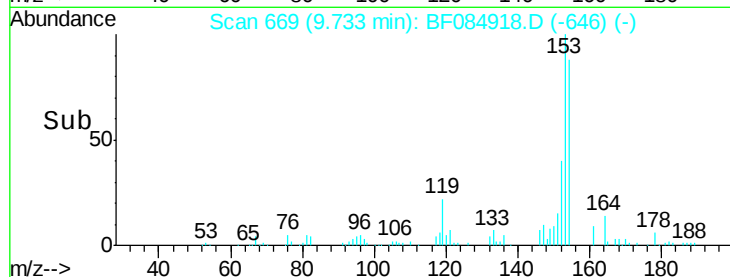
152 53.3 43.0 64.6



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: 6.45 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.05 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

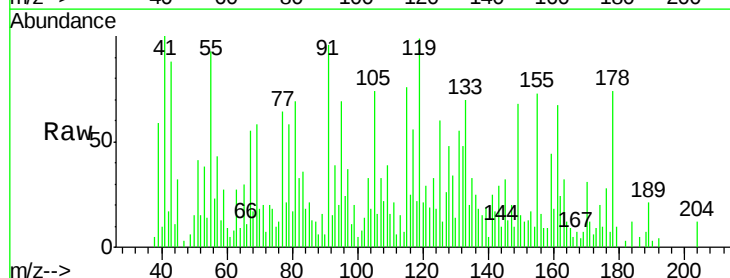
Tgt Ion:184 Resp: 1619

Ion Ratio Lower Upper

184 100

63 217.5 43.1 64.7#

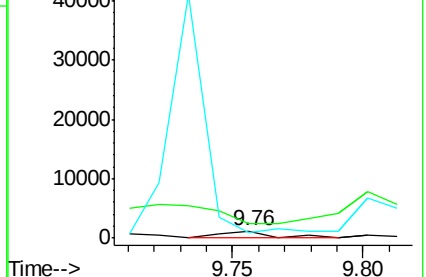
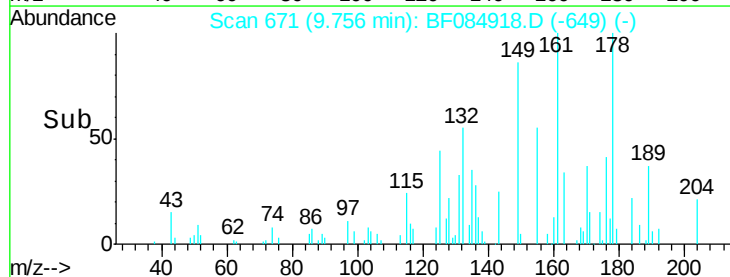
154 85.2 60.5 90.7

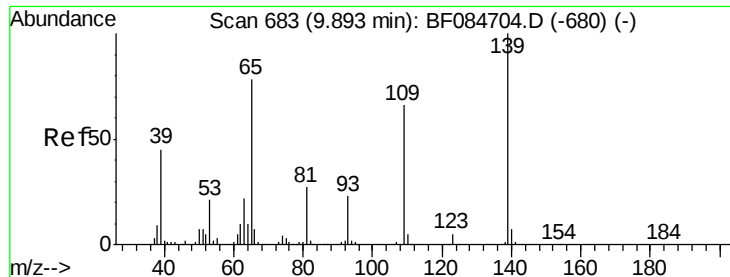


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

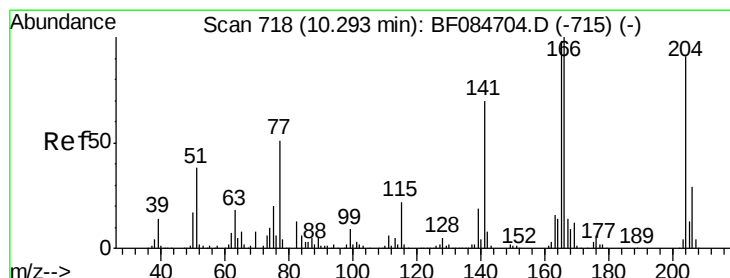
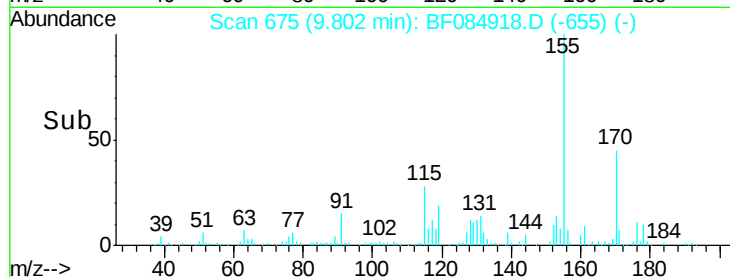
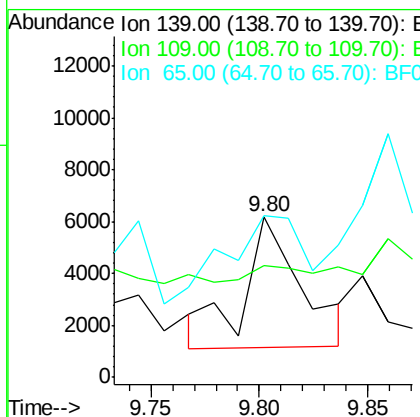
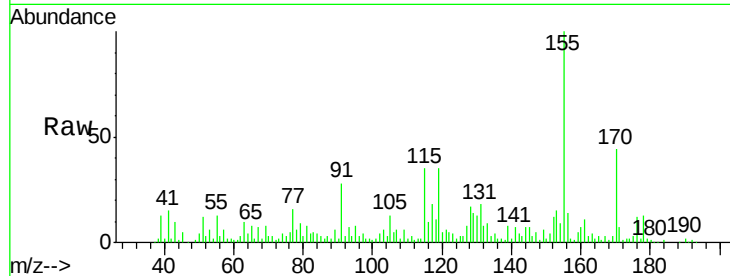




#55
4-Nitrophenol
Concen: 2.23 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.07 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

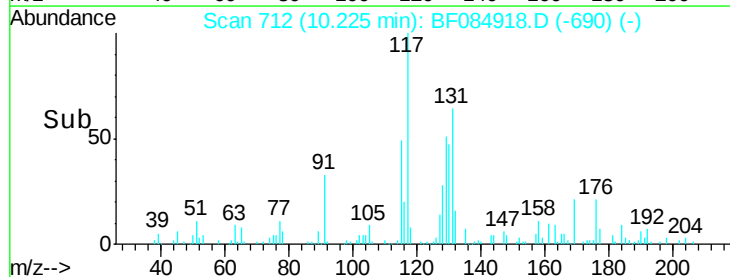
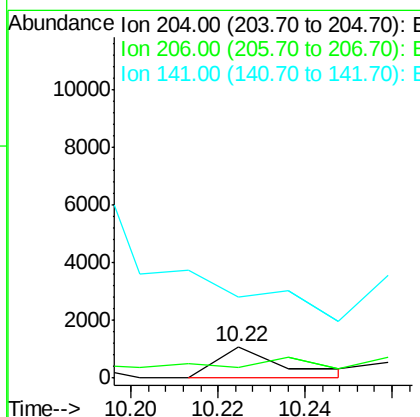
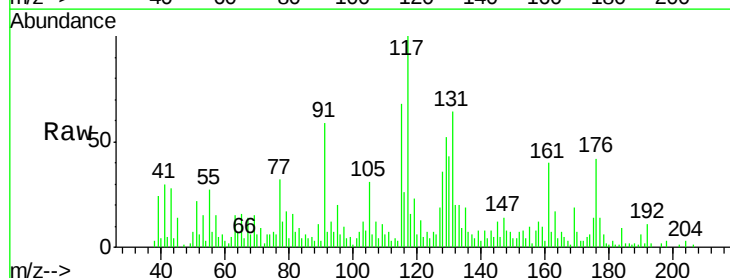
Instrument :
BNA_F
ClientSampleId :
AW-1

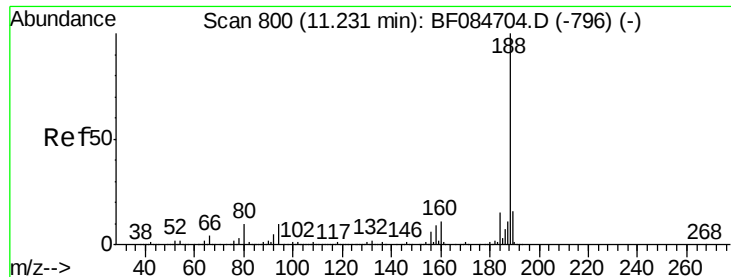
Tgt Ion:139 Resp: 9268
Ion Ratio Lower Upper
139 100
109 69.7 58.5 98.5
65 100.2 57.6 97.6#



#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.22 min Scan# 712
Delta R.T. -0.05 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:204 Resp: 1180
Ion Ratio Lower Upper
204 100
206 33.7 25.7 38.5
141 259.6 55.1 82.7#

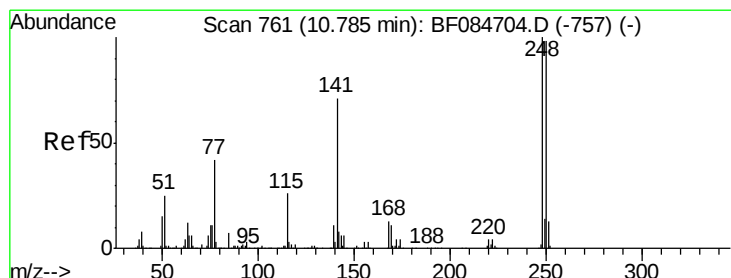
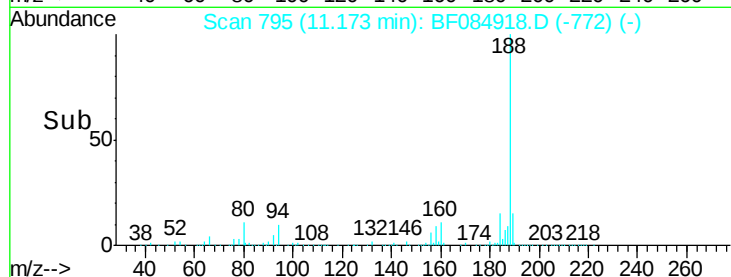
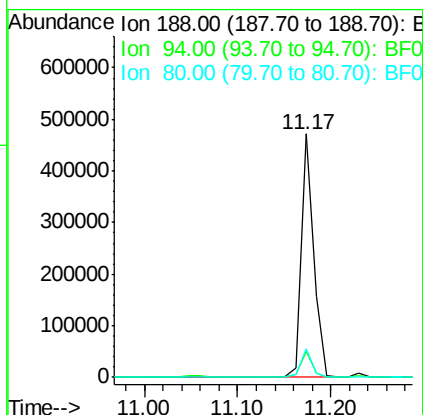
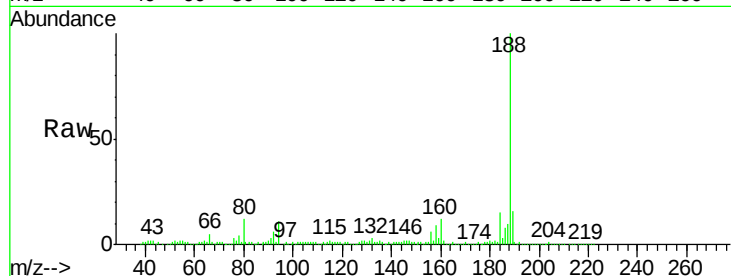




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

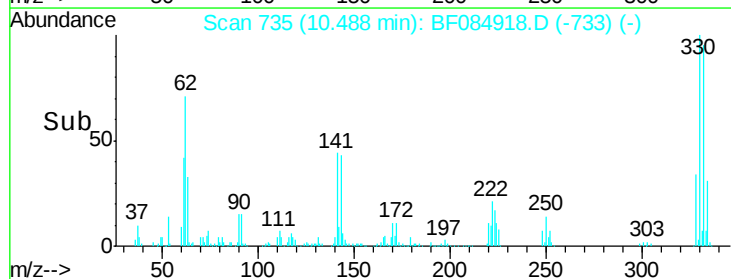
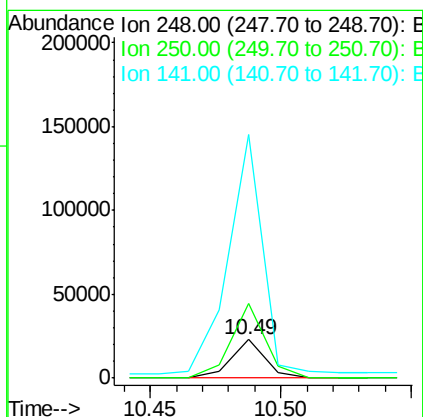
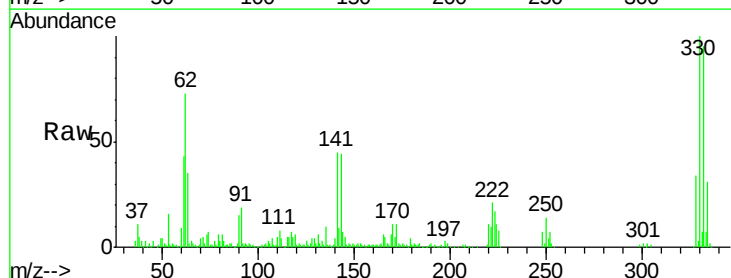
Instrument :
BNA_F
ClientSampled :
AW-1

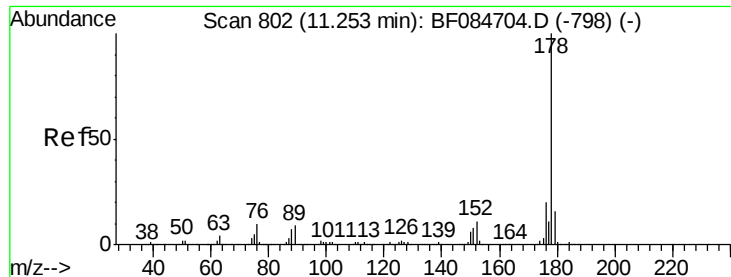
Tgt Ion:188 Resp: 447039
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 11.6 9.6 14.4



#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Tgt Ion:248 Resp: 20696
Ion Ratio Lower Upper
248 100
250 194.3 78.4 117.6#
141 628.8 44.0 66.0#





#70

Phenanthrene

Concen: 2.79 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampled :

AW-1

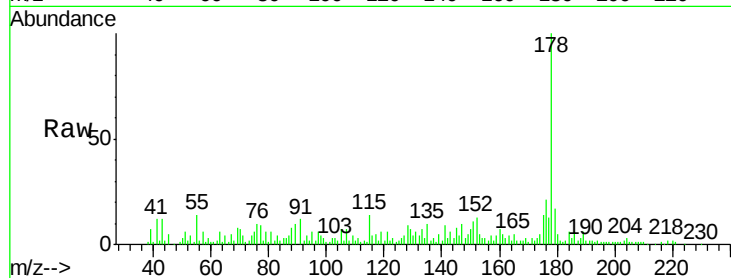
Tgt Ion:178 Resp: 69229

Ion Ratio Lower Upper

178 100

176 20.9 15.3 22.9

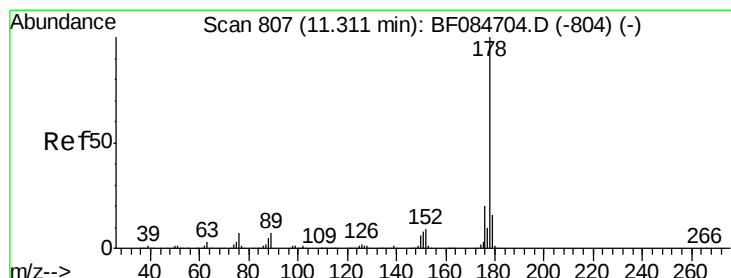
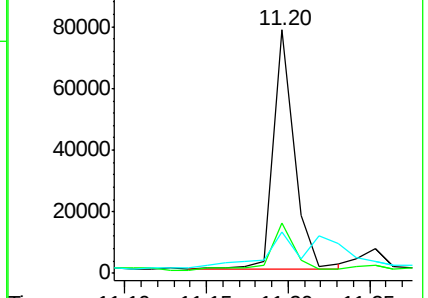
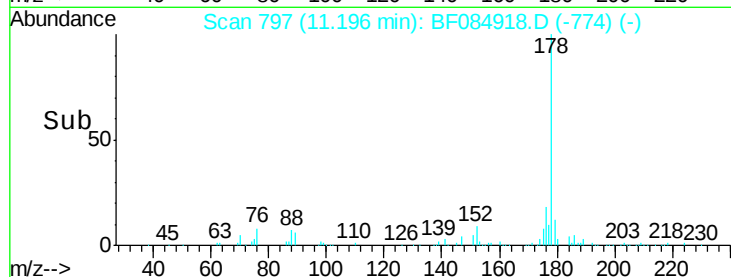
179 17.1 12.0 18.0



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: 2.77 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.09 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

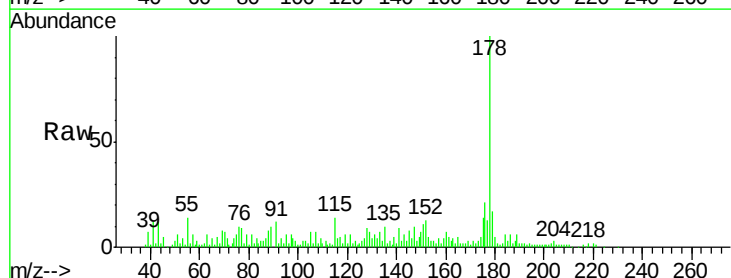
Tgt Ion:178 Resp: 69229

Ion Ratio Lower Upper

178 100

176 20.9 15.4 23.0

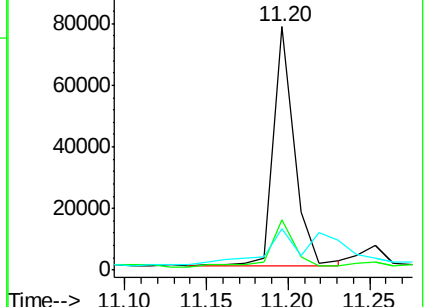
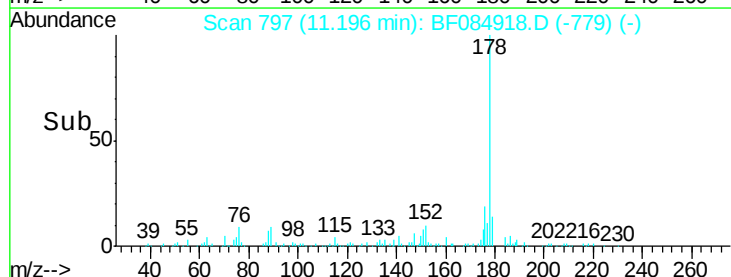
179 17.1 12.5 18.7

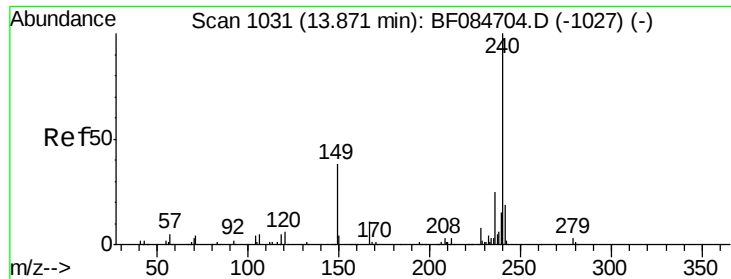


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

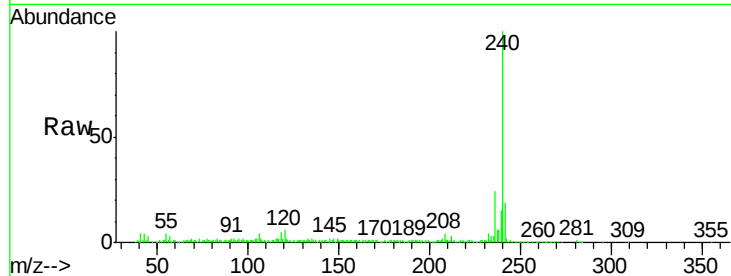
Tgt Ion:240 Resp: 324160

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

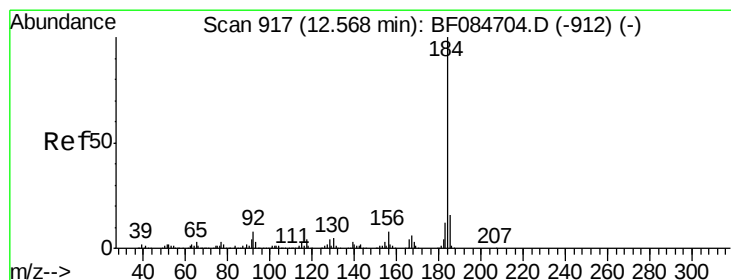
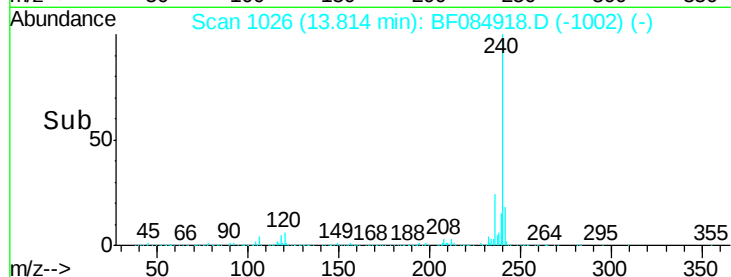
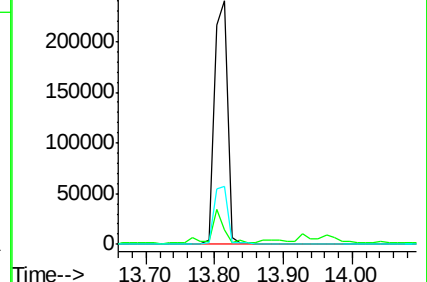
236 24.1 20.6 31.0



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



#76

Benzidine

Concen: 7.00 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

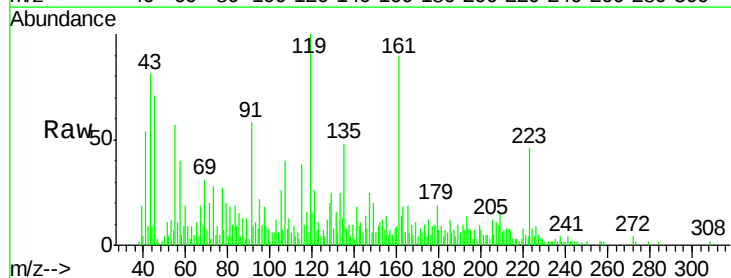
Tgt Ion:184 Resp: 1929

Ion Ratio Lower Upper

184 100

185 197.2 12.2 18.2#

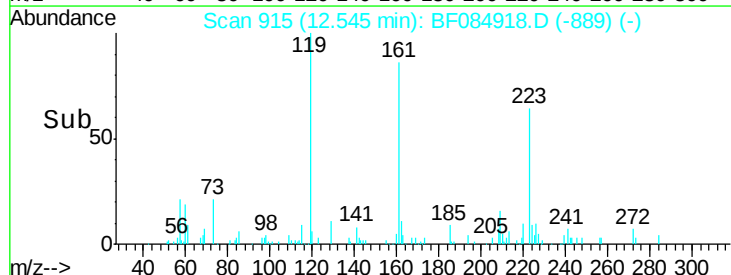
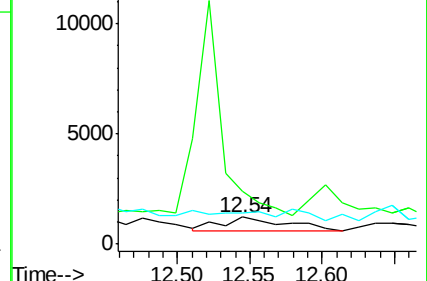
183 117.1 9.8 14.8#

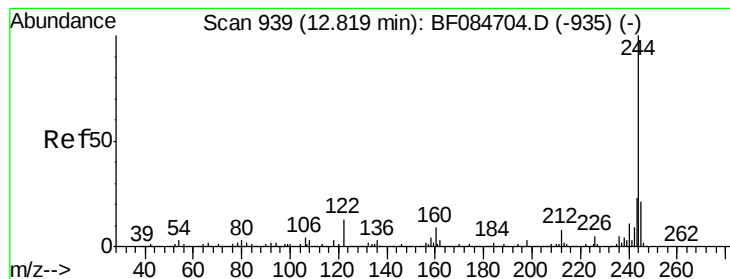


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 70.11 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

Instrument :

BNA_F

ClientSampleId :

AW-1

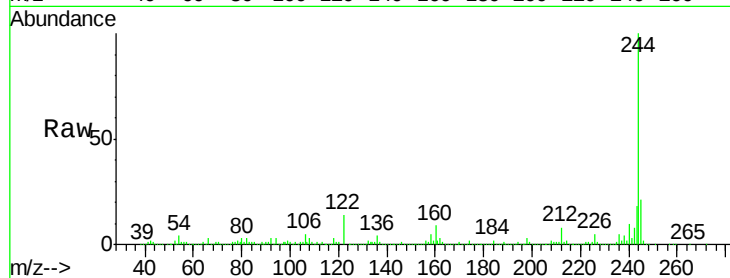
Tgt Ion:244 Resp: 1002970

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

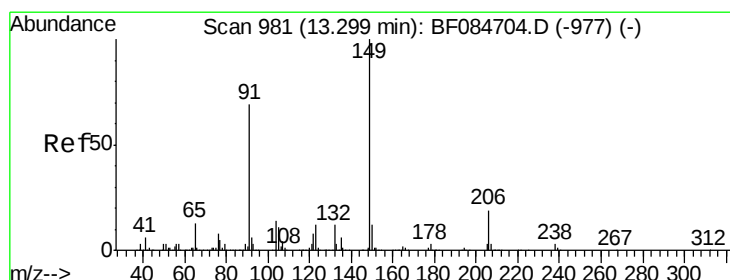
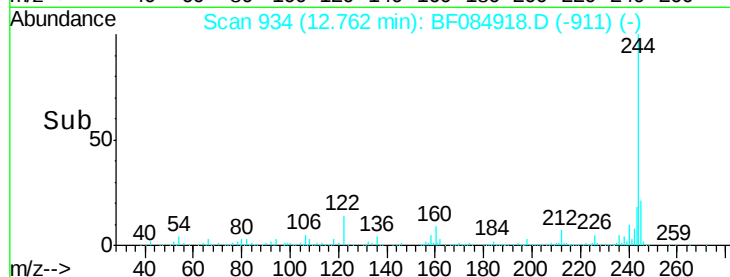
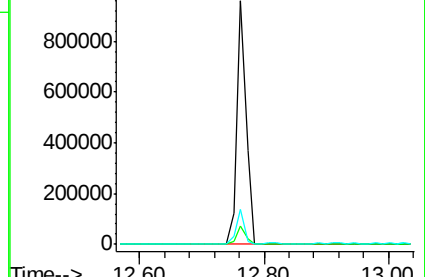
122 14.5 7.4 11.0#



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



#79

Butylbenzylphthalate

Concen: 6.84 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.17 min

Lab File: BF084918.D

Acq: 6 Feb 2016 18:12

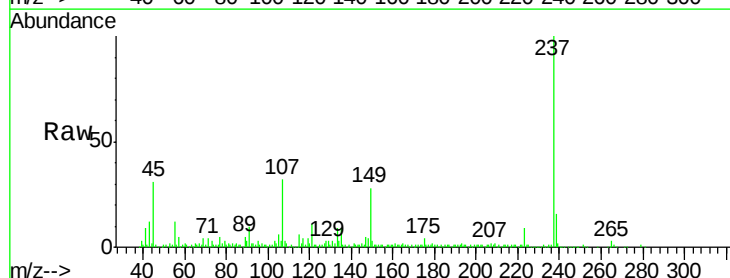
Tgt Ion:149 Resp: 77062

Ion Ratio Lower Upper

149 100

91 36.6 57.6 86.4#

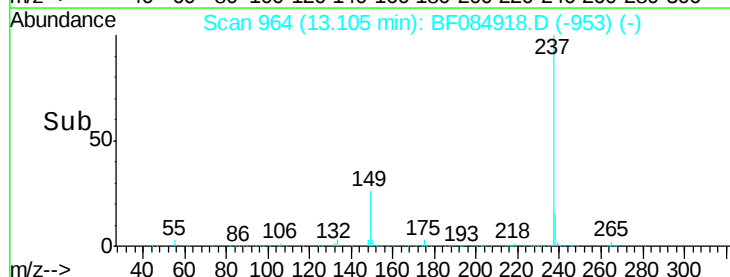
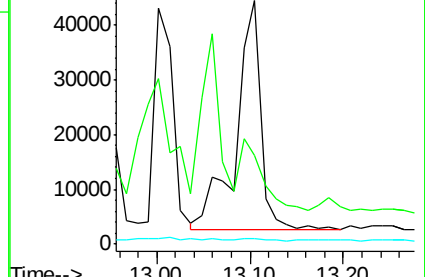
206 2.1 13.2 19.8#

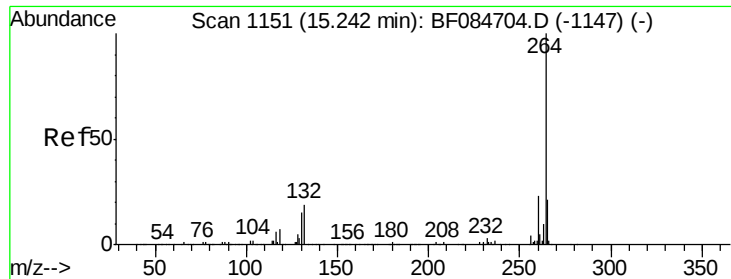


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084918.D
Acq: 6 Feb 2016 18:12

Instrument :
BNA_F
ClientSampleId :
AW-1

Tgt Ion: 264 Resp: 313054
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.2
265 22.3 17.8 26.6

