

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092515\
 Data File : BF081809.D
 Acq On : 25 Sep 2015 18:15
 Operator : UM/IZ
 Sample : G3753-02RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Quant Time: Sep 25 23:21:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

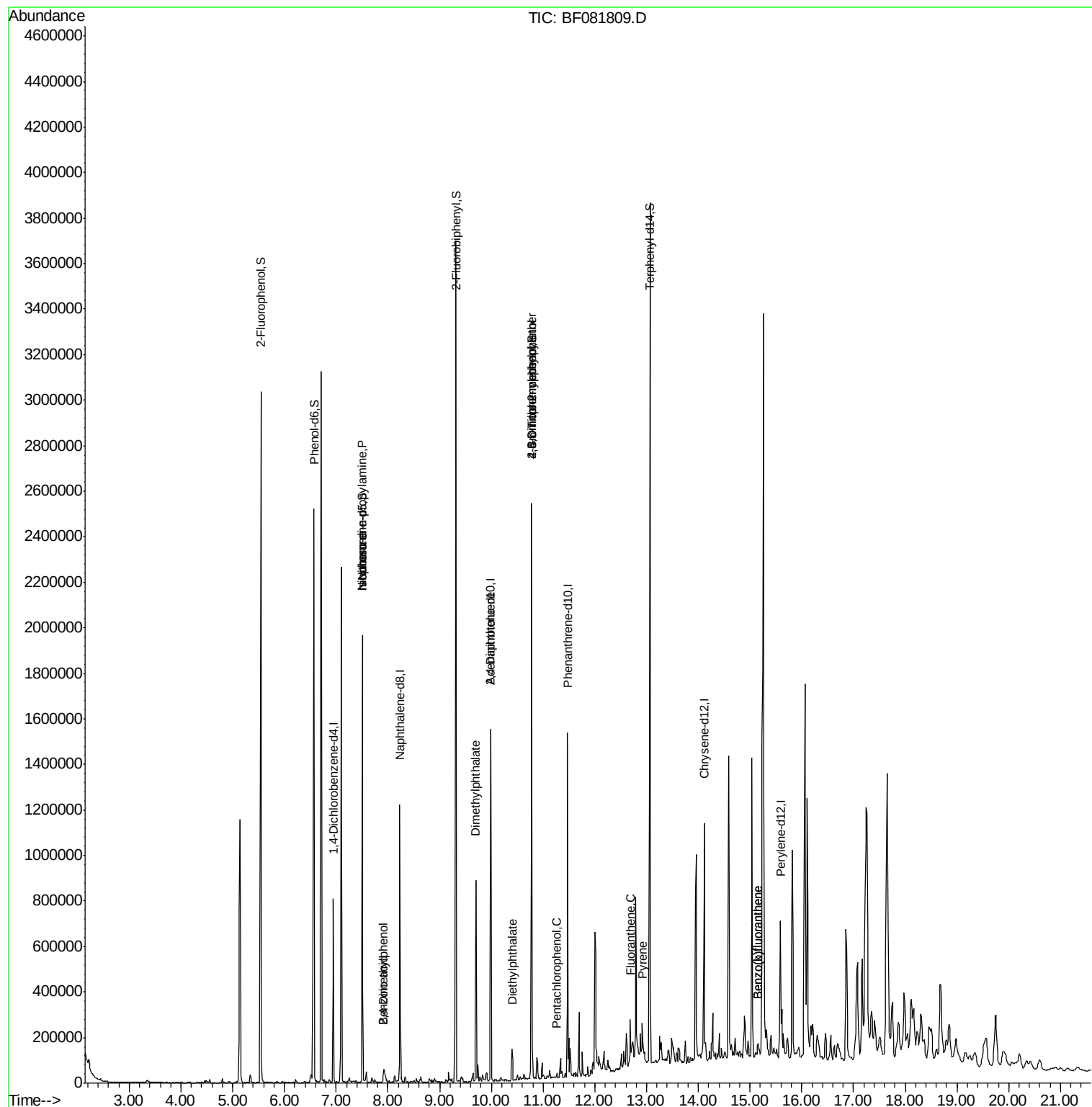
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	147241	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	544661	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	288577	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	519193	20.00	ng	0.00
75) Chrysene-d12	14.12	240	377194	20.00	ng	0.00
86) Perylene-d12	15.59	264	346666	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	846416	97.25	ng	0.00
7) Phenol-d6	6.57	99	1258253	114.29	ng	0.00
23) Nitrobenzene-d5	7.51	82	662165	80.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	311558	124.36	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1478984	84.13	ng	0.00
78) Terphenyl-d14	13.06	244	1191187	72.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	89032	12.13	ng	# 62
25) Isophorone	7.51	82	539789	29.52	ng	# 58
27) 2,4-Dimethylphenol	7.92	122	21220	2.56	ng	# 12
32) Benzoic acid	7.92	122	21220	13.14	ng	# 61
49) Dimethylphthalate	9.70	163	344337	15.68	ng	# 97
56) 2,4-Dinitrotoluene	9.99	165	37387	7.37	ng	# 34
59) Diethylphthalate	10.40	149	47109	2.21	ng	97
64) 4,6-Dinitro-2-methylphenol	10.78	198	800	8.49	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	22235	3.85	ng	# 1
69) Pentachlorophenol	11.27	266	2182	6.25	ng	92
74) Fluoranthene	12.69	202	66730	2.23	ng	90
77) Pyrene	12.92	202	59508	2.09	ng	97
87) Benzo(b)fluoranthene	15.16	252	49384	2.40	ng	# 90
88) Benzo(k)fluoranthene	15.16	252	49384	2.49	ng	# 90

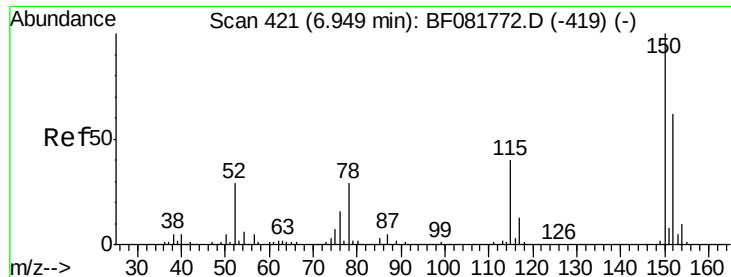
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

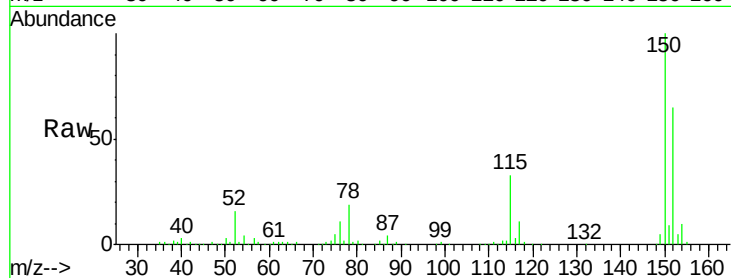
Tgt Ion:152 Resp: 147241

Ion Ratio Lower Upper

152 100

150 153.1 124.7 187.1

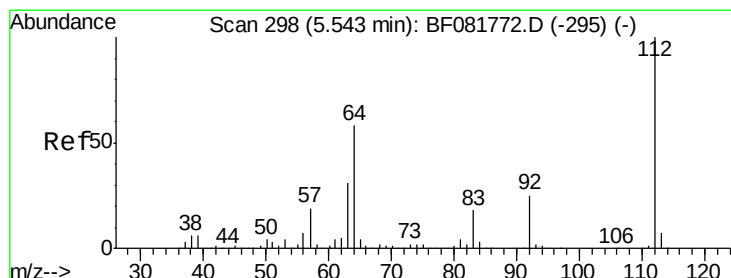
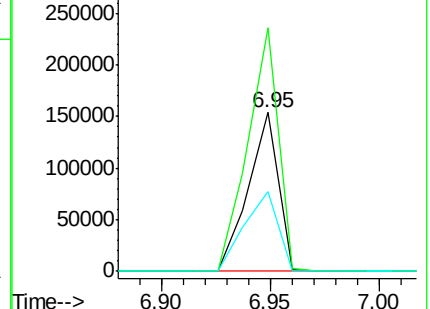
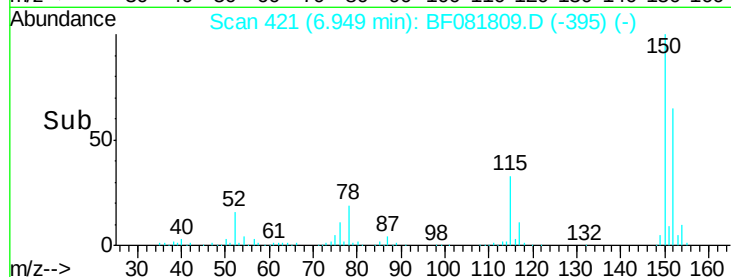
115 50.3 39.0 58.4



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: 97.25 ng

RT: 5.54 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

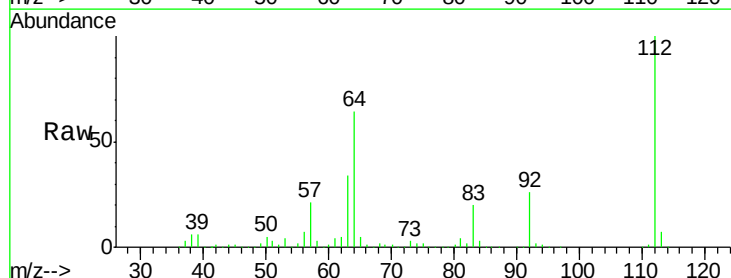
Tgt Ion:112 Resp: 846416

Ion Ratio Lower Upper

112 100

64 64.0 39.7 59.5#

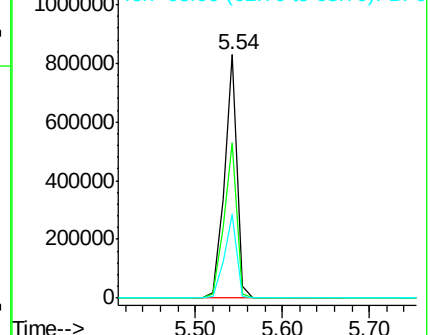
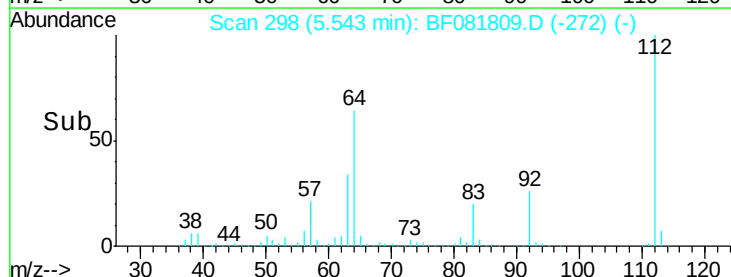
63 34.2 17.4 26.0#

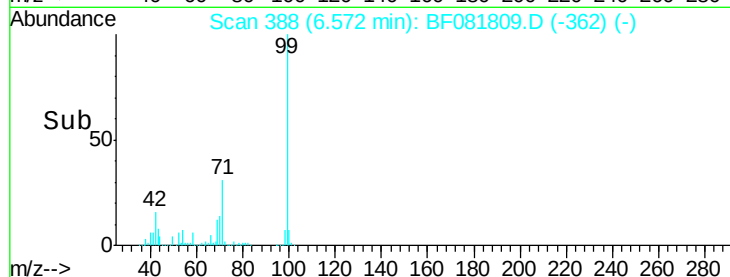
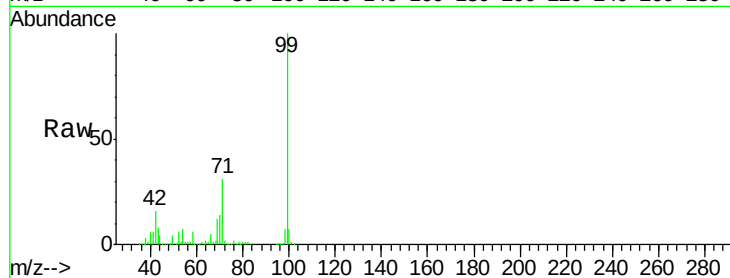
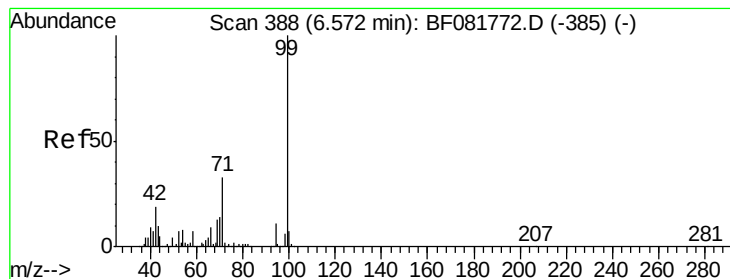


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.29 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

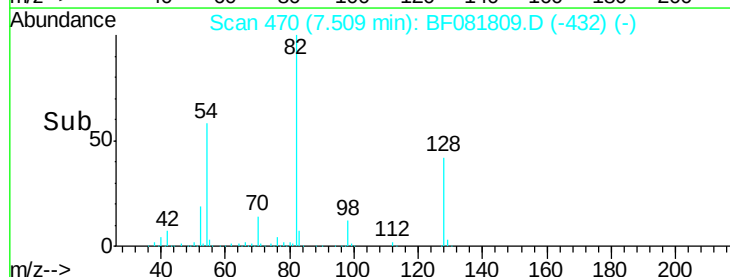
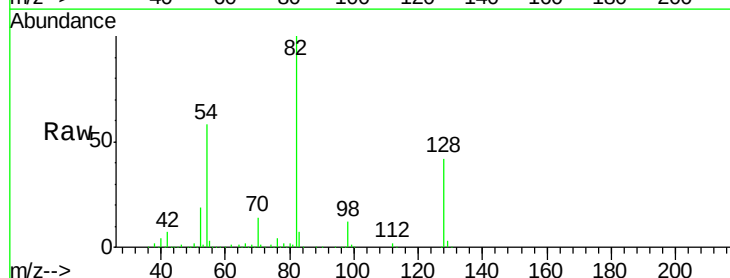
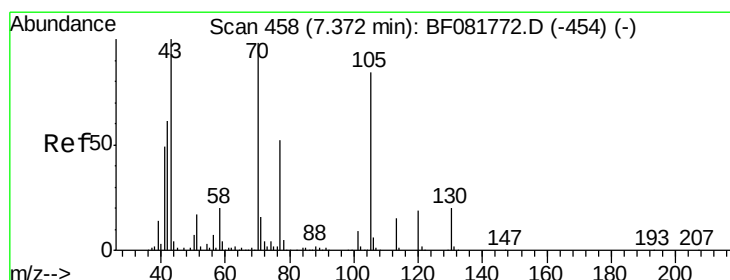
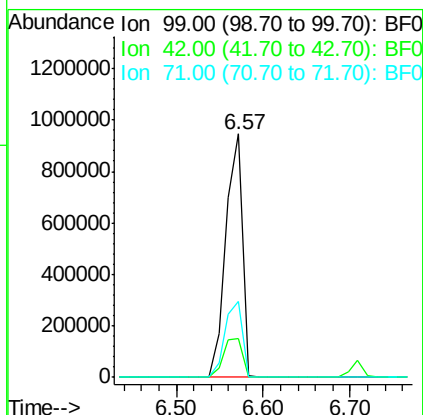
Tgt Ion: 99 Resp: 1258253

Ion Ratio Lower Upper

99 100

42 15.9 13.7 20.5

71 31.3 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.13 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Tgt Ion: 70 Resp: 89032

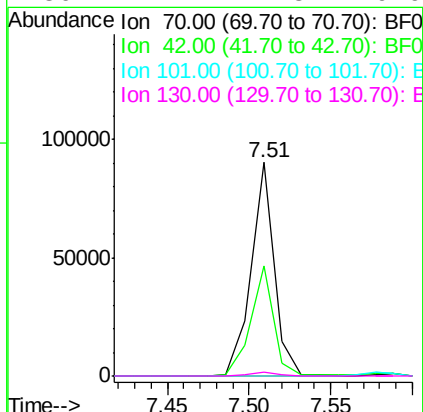
Ion Ratio Lower Upper

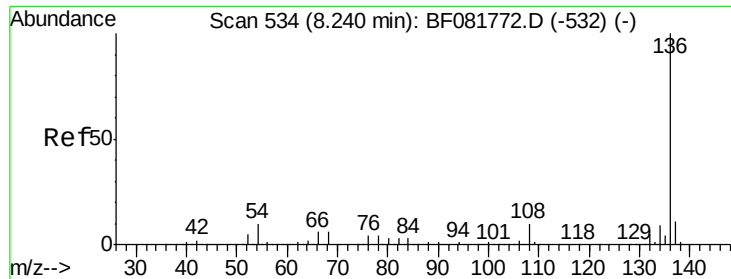
70 100

42 51.4 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

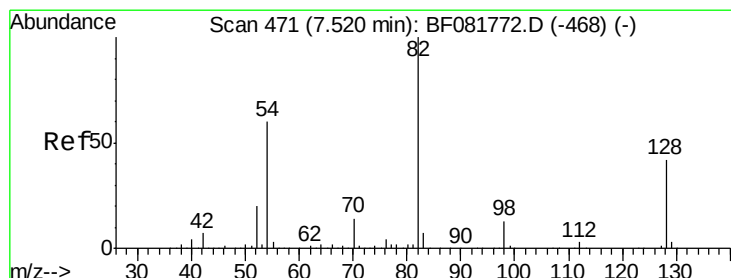
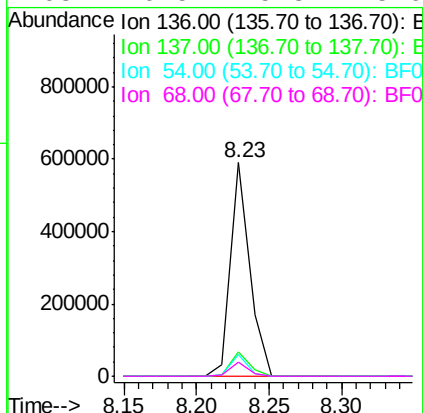
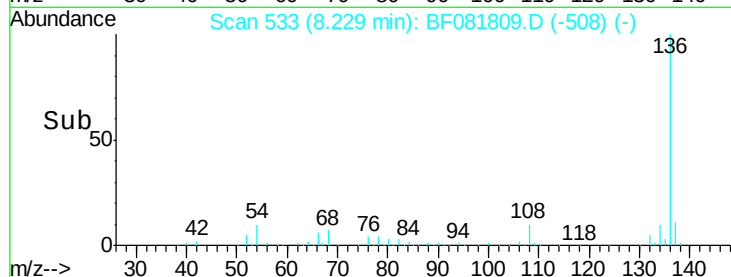
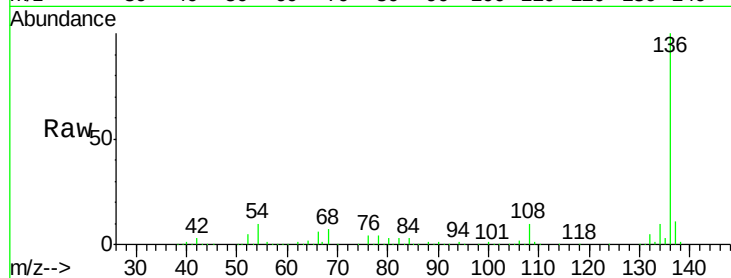




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

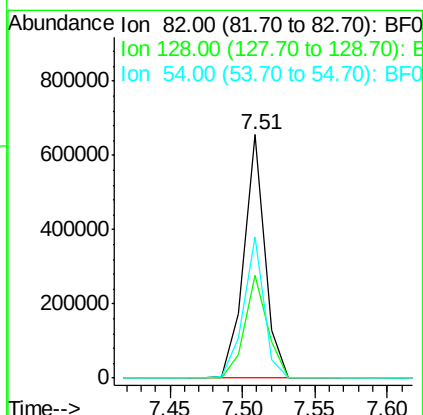
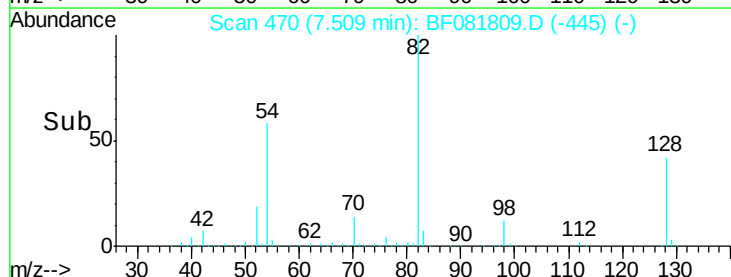
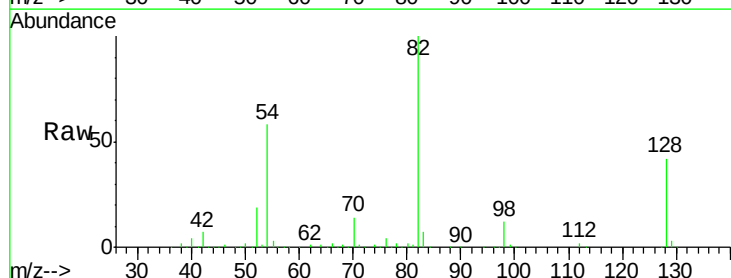
Instrument :
BNA_F
ClientSampleId :
SP-1RE

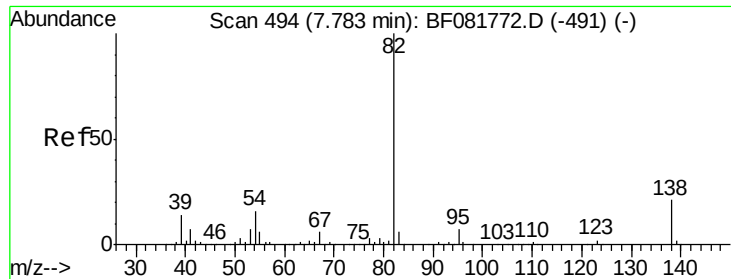
Tgt Ion:	136	Resp:	544661
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.0	8.2	12.2
68	6.5	5.8	8.6



#23
Nitrobenzene-d5
Concen: 80.21 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

Tgt Ion:	82	Resp:	662165
Ion	Ratio	Lower	Upper
82	100		
128	42.5	51.0	76.6#
54	58.1	47.5	71.3





#25

Isophorone

Concen: 29.52 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.27 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

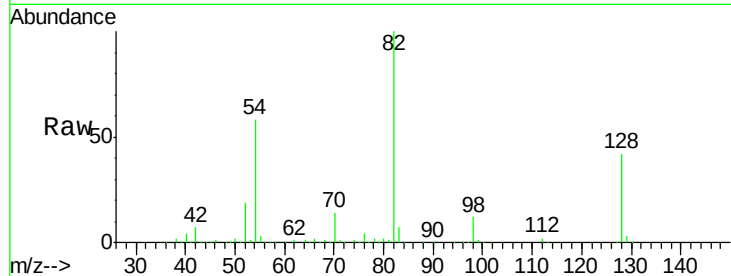
Tgt Ion: 82 Resp: 539789

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

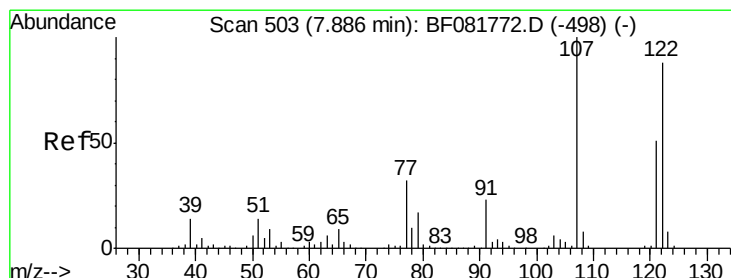
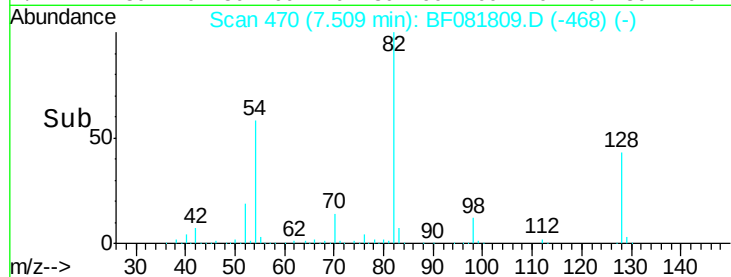
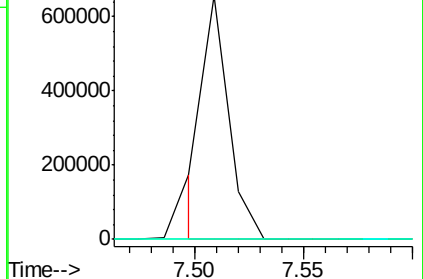
138 0.0 18.3 27.5#



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



#27

2,4-Dimethylphenol

Concen: 2.56 ng

RT: 7.92 min Scan# 506

Delta R.T. 0.03 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

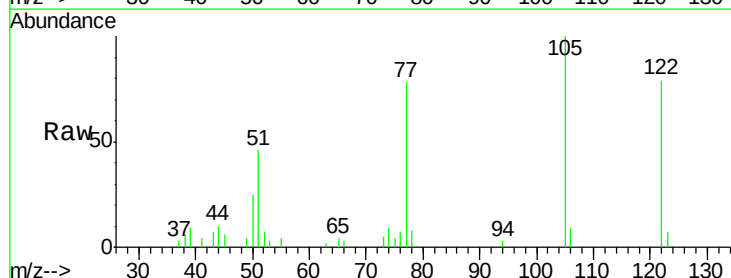
Tgt Ion: 122 Resp: 21220

Ion Ratio Lower Upper

122 100

107 0.0 71.8 107.6#

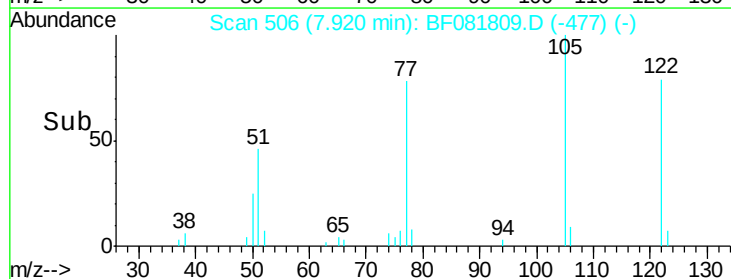
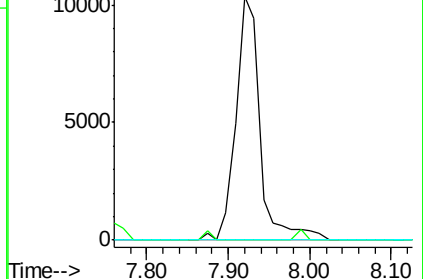
121 0.0 42.3 63.5#

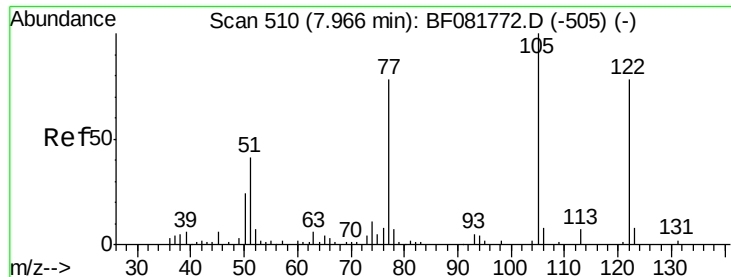


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 13.14 ng

RT: 7.92 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

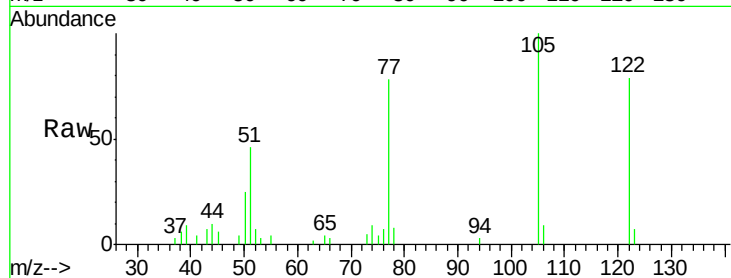
Tgt Ion:122 Resp: 21220

Ion Ratio Lower Upper

122 100

105 126.8 76.1 116.1#

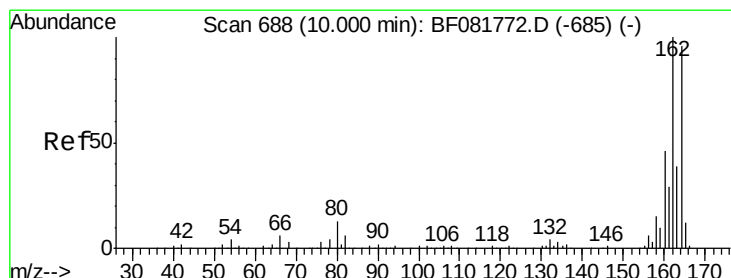
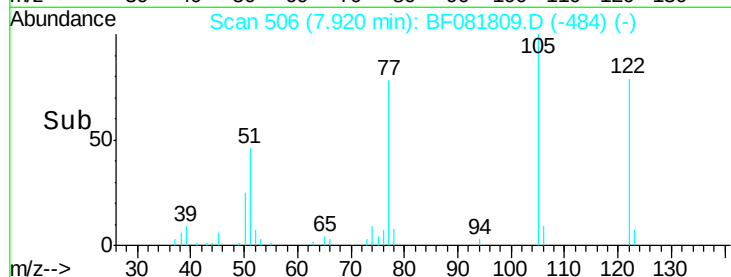
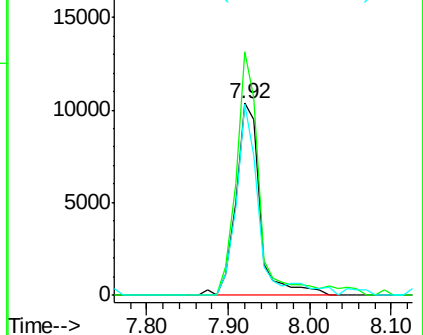
77 99.3 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

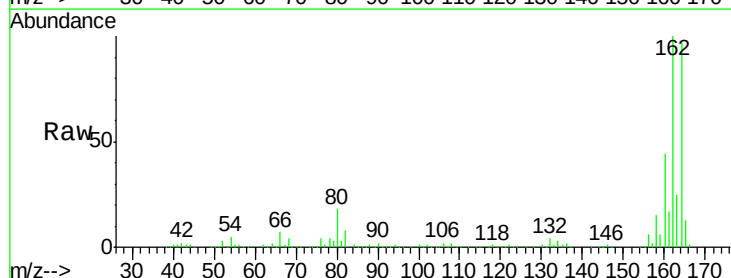
Tgt Ion:164 Resp: 288577

Ion Ratio Lower Upper

164 100

162 102.9 75.2 112.8

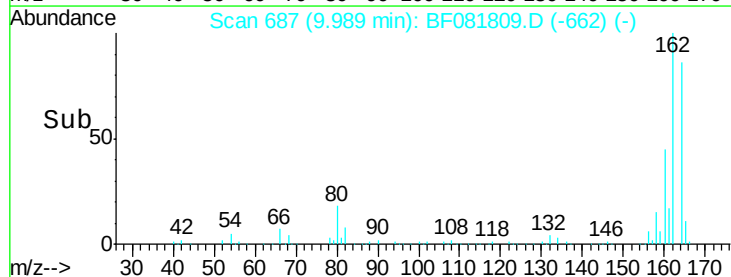
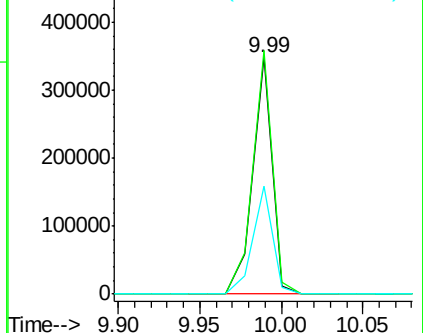
160 45.7 31.5 47.3

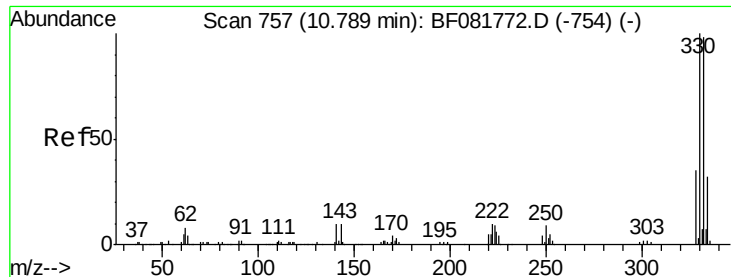


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

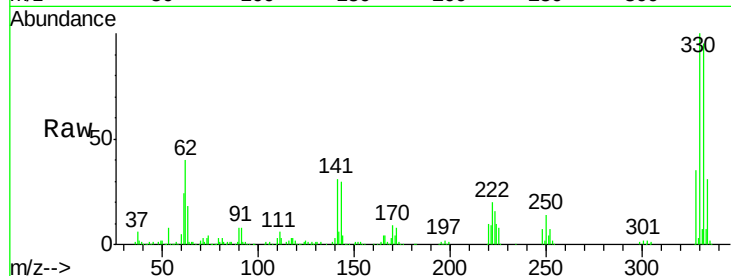




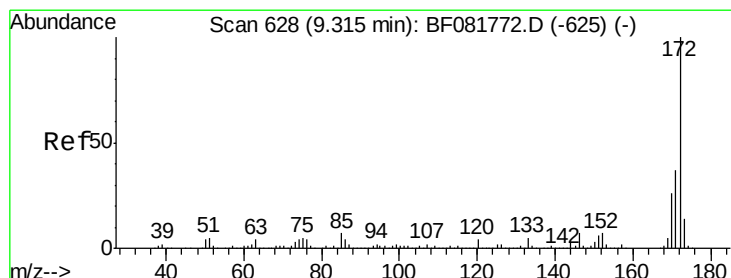
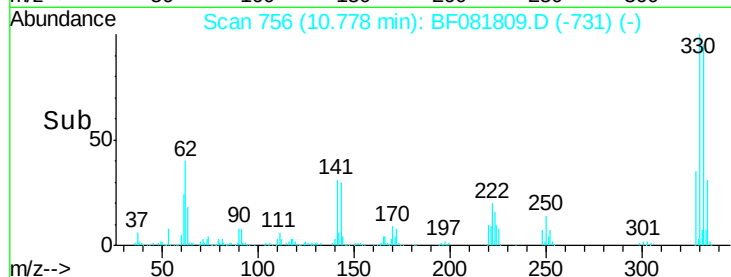
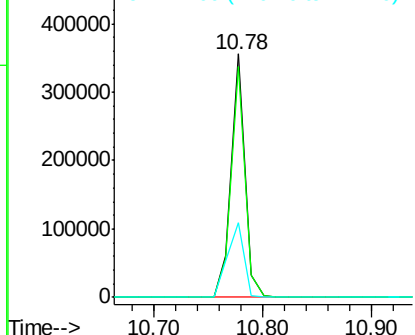
#41
 2,4,6-Tribromophenol
 Concen: 124.36 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	114.8
141	36.9	29.7	44.5

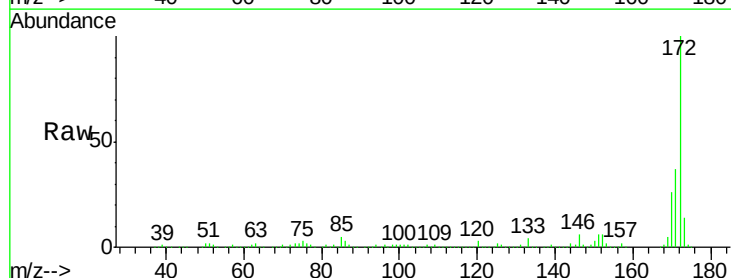


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

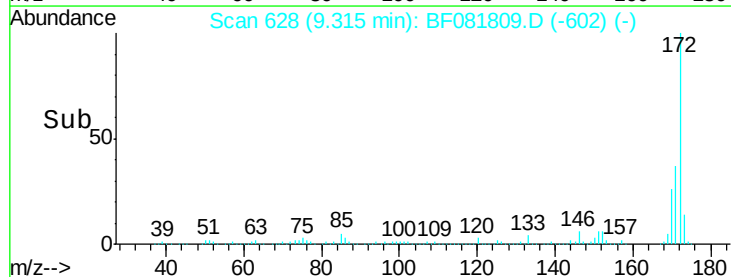
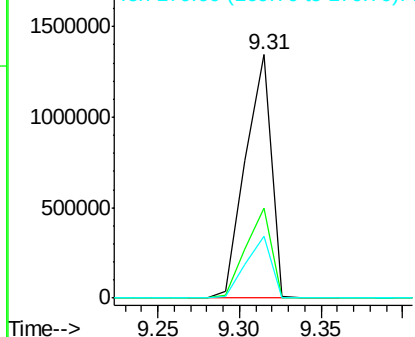


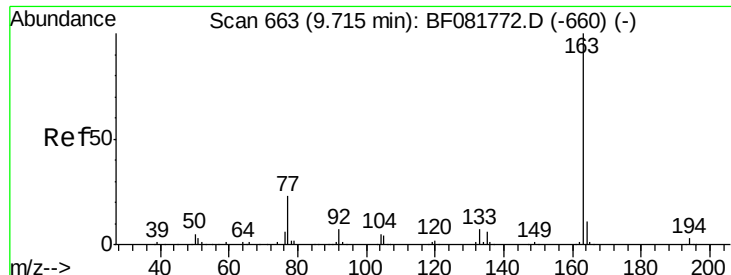
#44
 2-Fluorobiphenyl
 Concen: 84.13 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	26.1	39.1
170	25.5	17.4	26.2



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

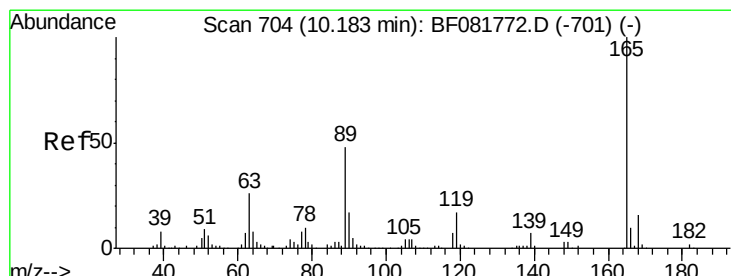
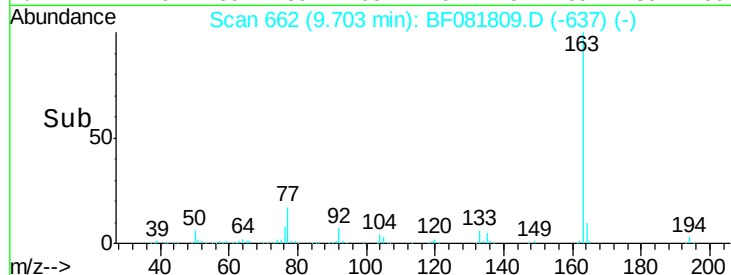
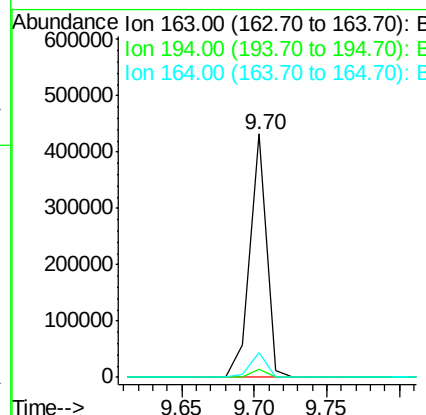
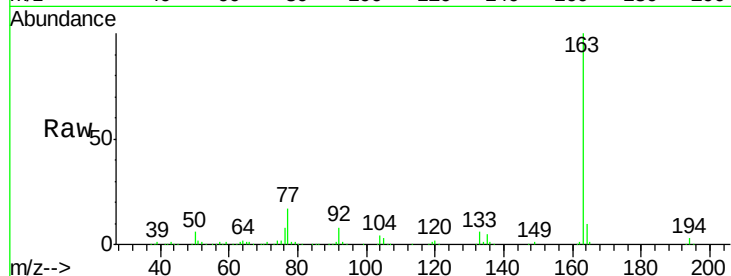




#49
Dimethylphthalate
Concen: 15.68 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

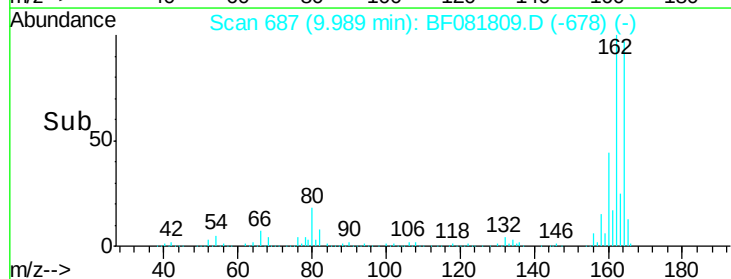
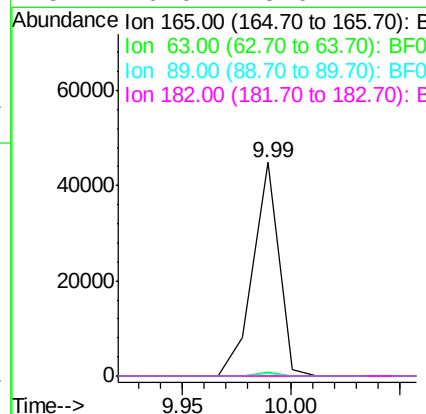
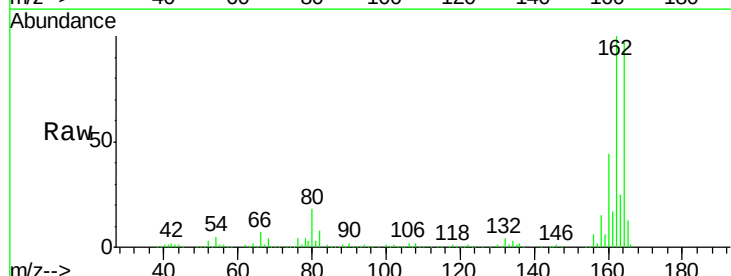
Instrument :
BNA_F
ClientSampleId :
SP-1RE

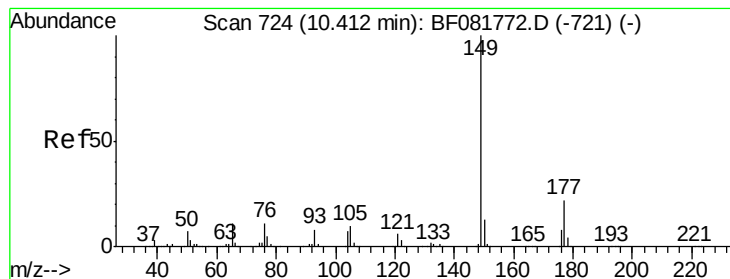
Tgt Ion:163 Resp: 344337
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 10.1 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 7.37 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

Tgt Ion:165 Resp: 37387
Ion Ratio Lower Upper
165 100
63 1.6 29.8 44.6#
89 1.2 44.5 66.7#
182 0.0 3.0 4.4#





#59

Diethylphthalate

Concen: 2.21 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

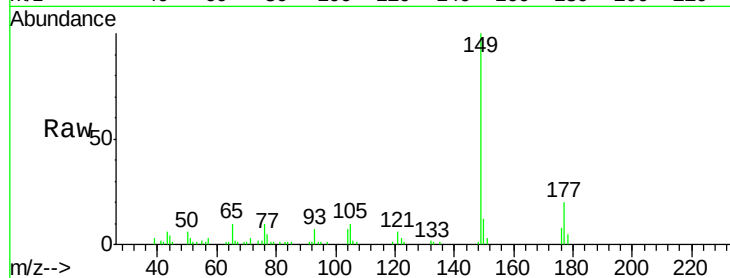
Tgt Ion:149 Resp: 47109

Ion Ratio Lower Upper

149 100

177 20.2 17.5 26.3

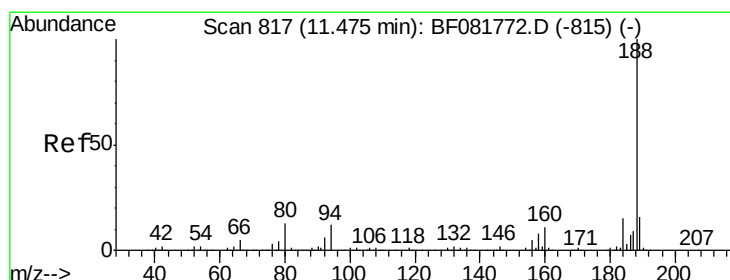
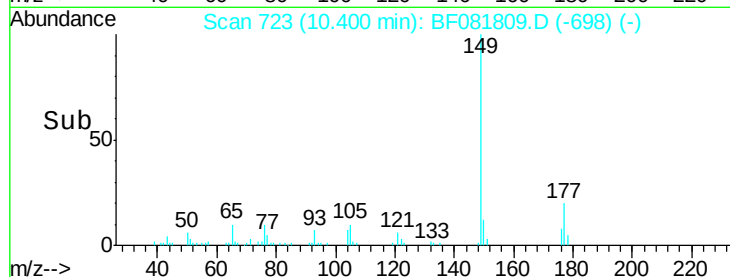
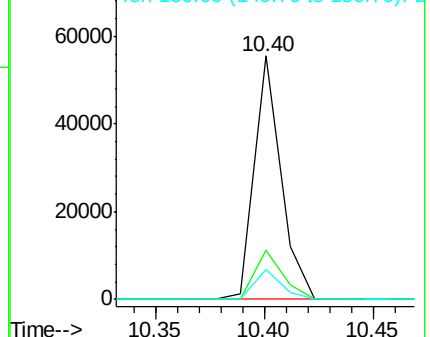
150 12.4 9.4 14.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

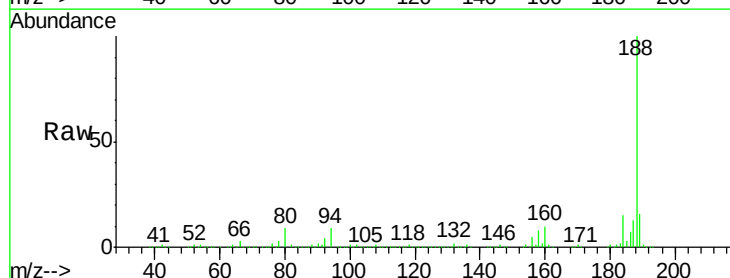
Tgt Ion:188 Resp: 519193

Ion Ratio Lower Upper

188 100

94 8.7 11.1 16.7#

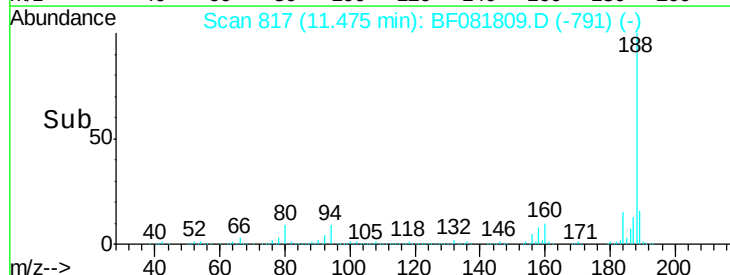
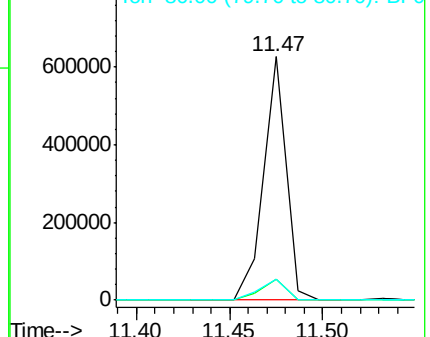
80 8.8 11.0 16.4#

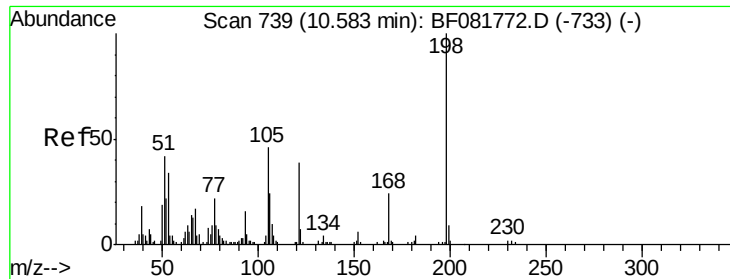


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.49 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

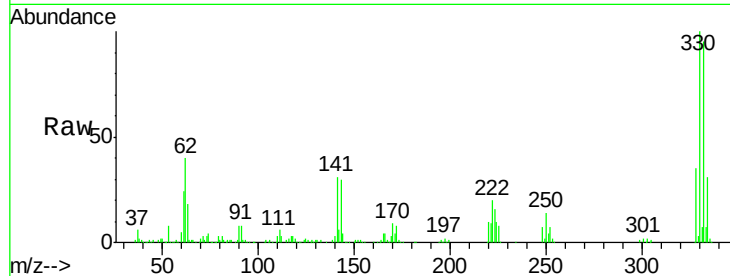
Tgt Ion:198 Resp: 800

Ion Ratio Lower Upper

198 100

51 154.4 39.6 79.6#

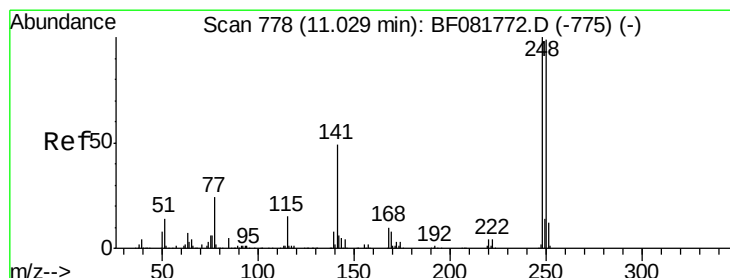
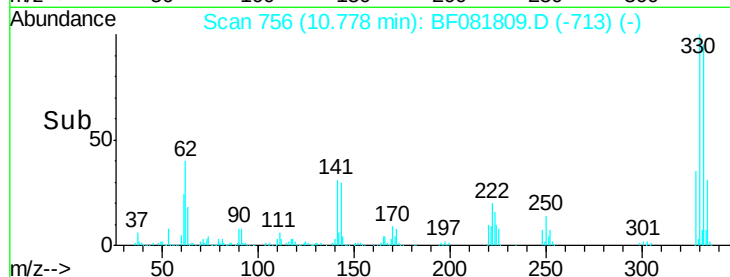
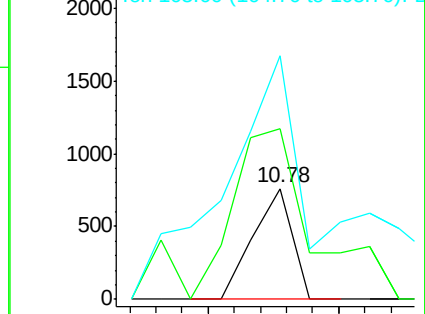
105 219.8 28.5 68.5#



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



#66

4-Bromophenyl-phenylether

Concen: 3.85 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

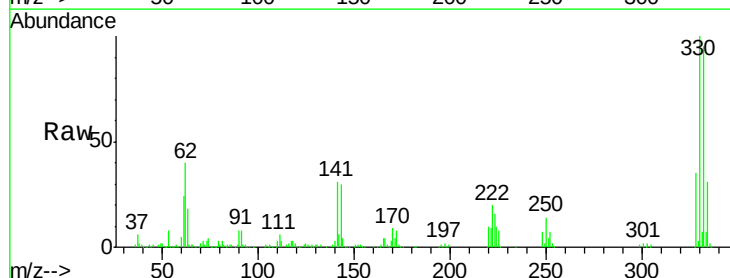
Tgt Ion:248 Resp: 22235

Ion Ratio Lower Upper

248 100

250 197.2 78.5 117.7#

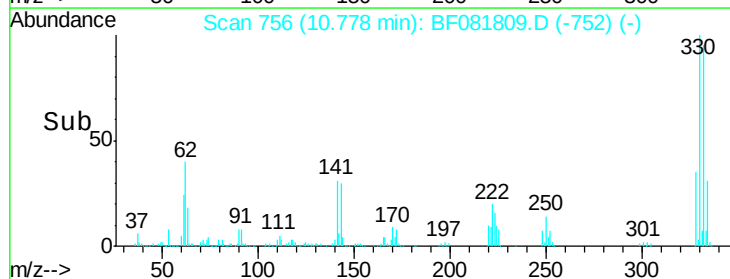
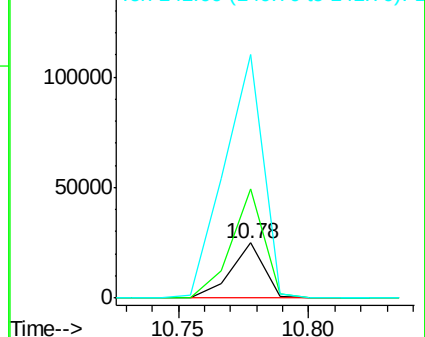
141 439.5 59.0 88.6#

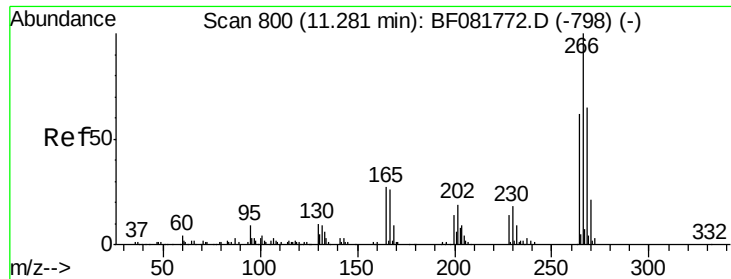


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

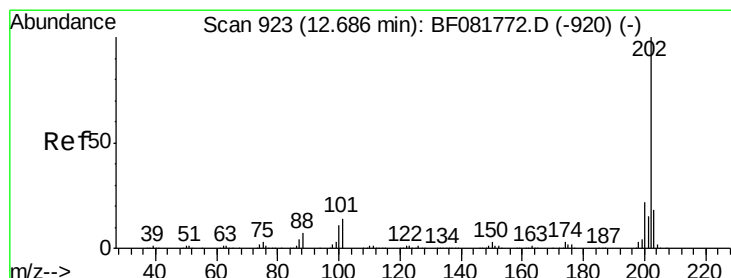
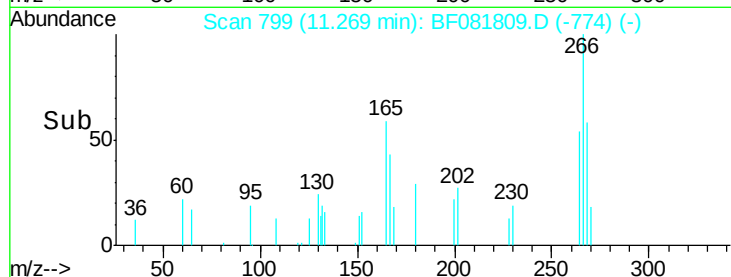
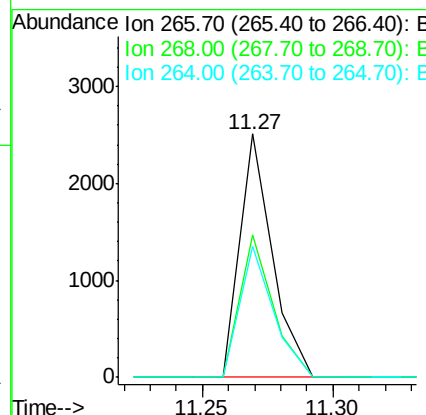
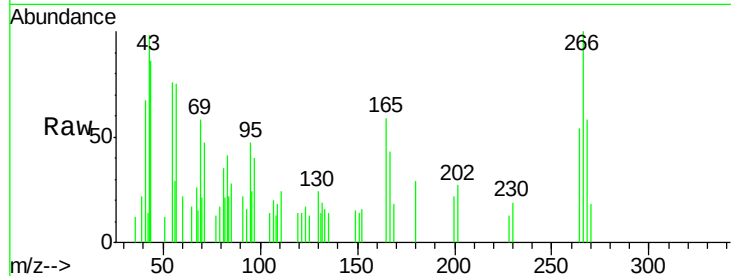




#69
 Pentachlorophenol
 Concen: 6.25 ng
 RT: 11.27 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

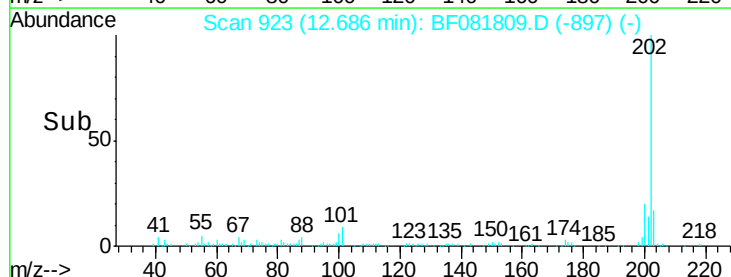
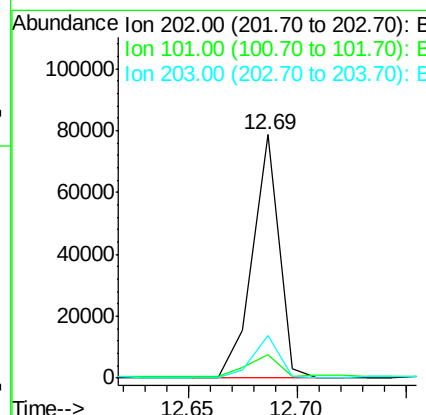
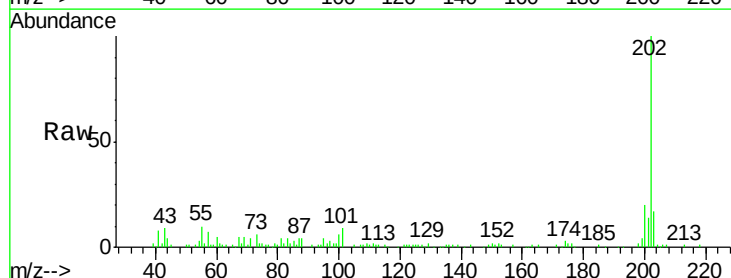
Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

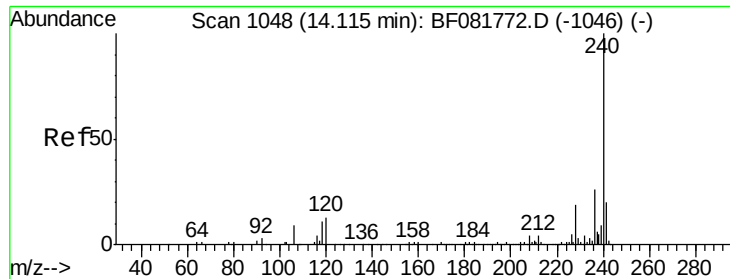
Tgt Ion: 266 Resp: 2182
 Ion Ratio Lower Upper
 266 100
 268 58.4 49.8 74.6
 264 53.8 50.2 75.2



#74
 Fluoranthene
 Concen: 2.23 ng
 RT: 12.69 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

Tgt Ion: 202 Resp: 66730
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 38.3
 203 17.5 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

Instrument :

BNA_F

ClientSampleId :

SP-1RE

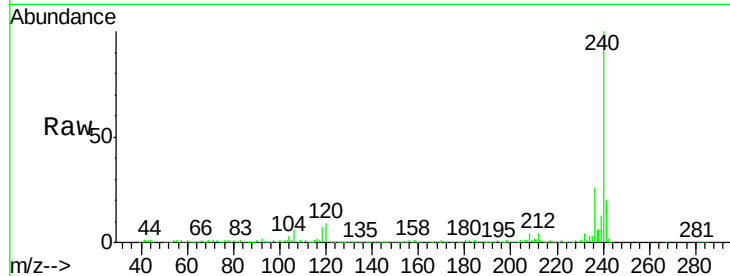
Tgt Ion:240 Resp: 377194

Ion Ratio Lower Upper

240 100

120 8.8 16.2 24.2#

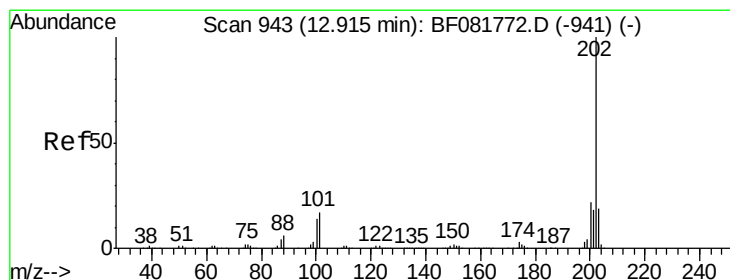
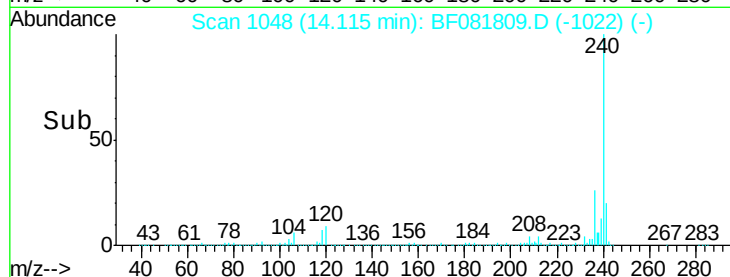
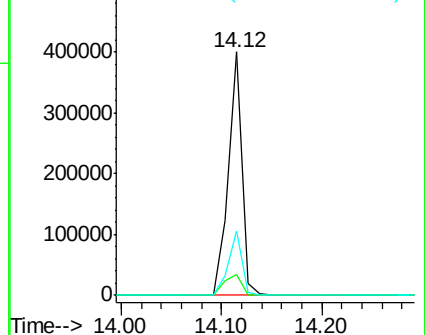
236 26.3 18.4 27.6



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: 2.09 ng

RT: 12.92 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF081809.D

Acq: 25 Sep 2015 18:15

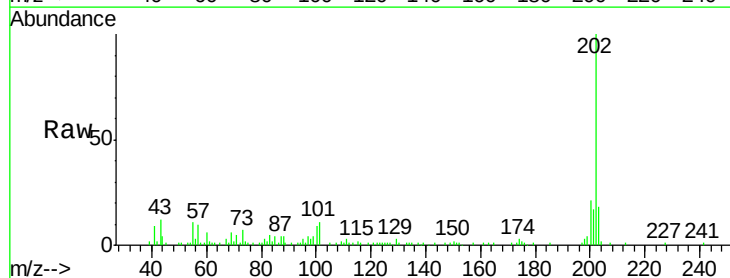
Tgt Ion:202 Resp: 59508

Ion Ratio Lower Upper

202 100

200 21.2 15.0 22.4

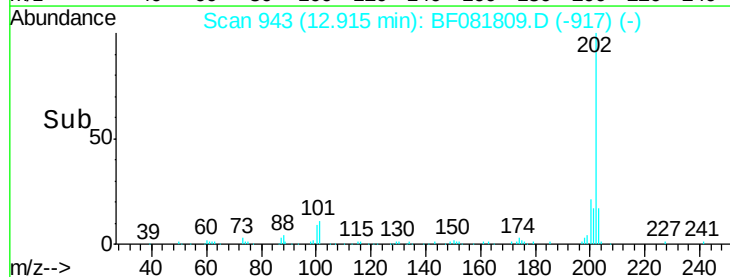
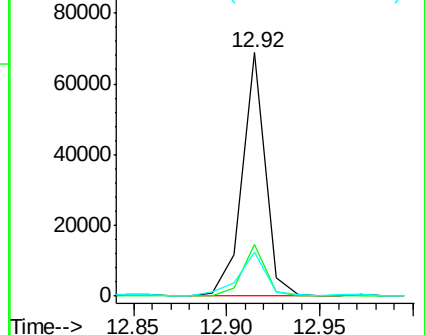
203 18.0 14.1 21.1

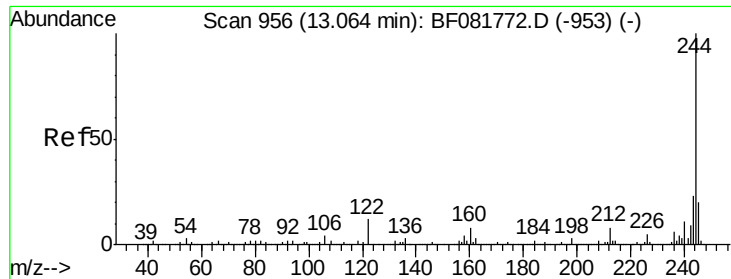


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

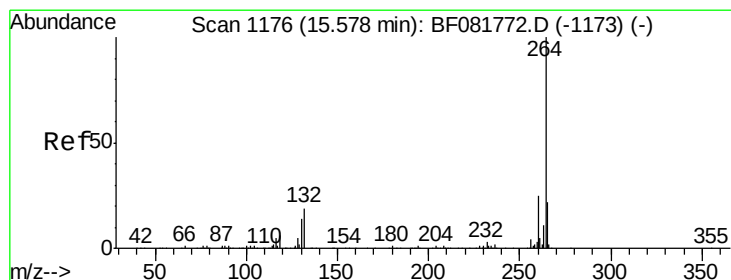
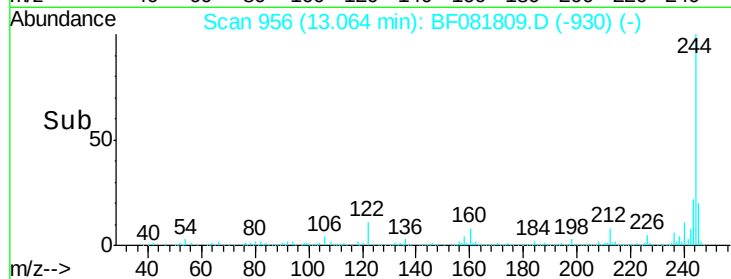
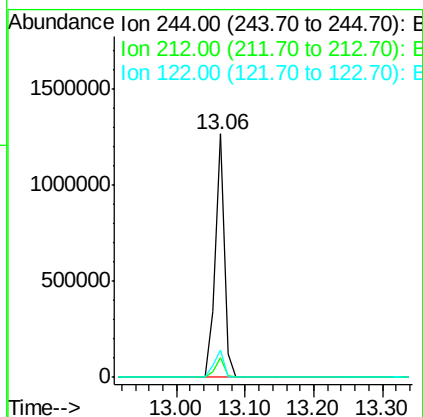
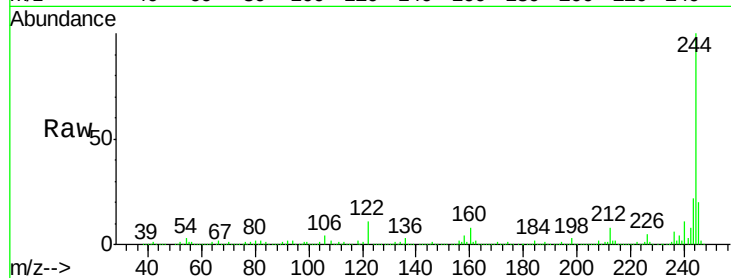




#78
 Terphenyl-d14
 Concen: 72.14 ng
 RT: 13.06 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

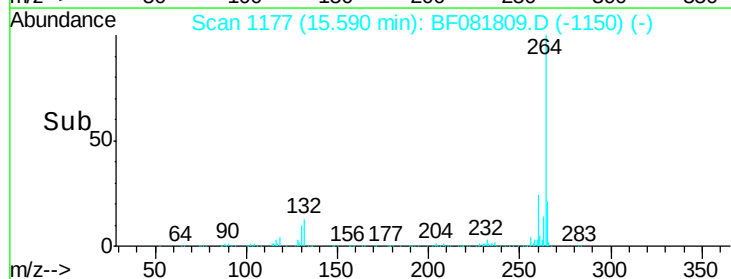
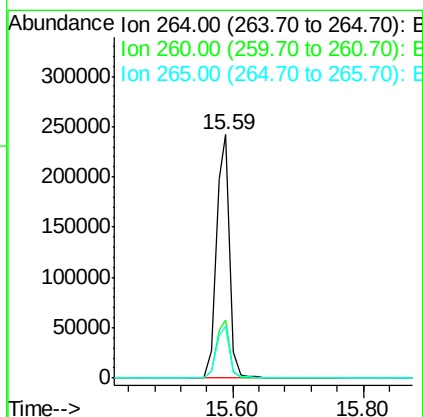
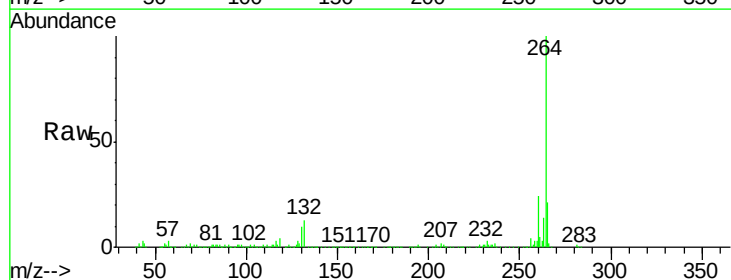
Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

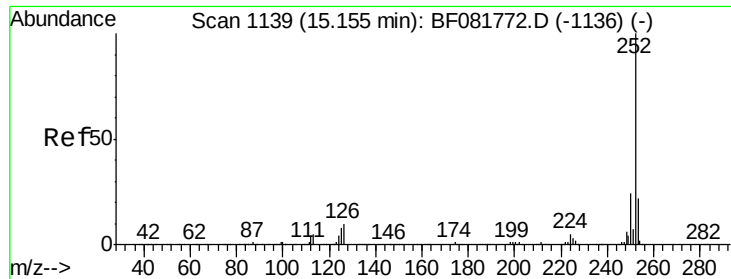
Tgt Ion:244 Resp: 1191187
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.3 6.5#
 122 11.0 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.59 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF081809.D
 Acq: 25 Sep 2015 18:15

Tgt Ion:264 Resp: 346666
 Ion Ratio Lower Upper
 264 100
 260 24.1 16.7 25.1
 265 21.3 17.2 25.8

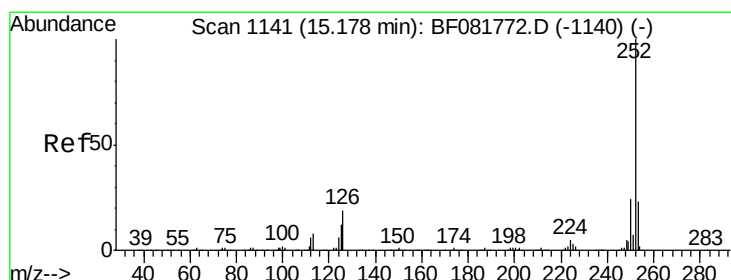
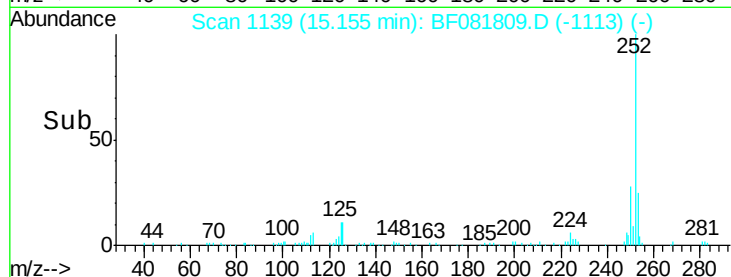
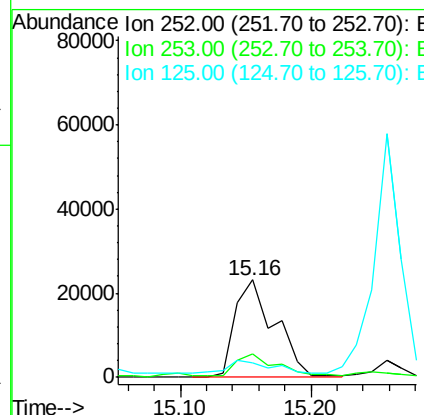
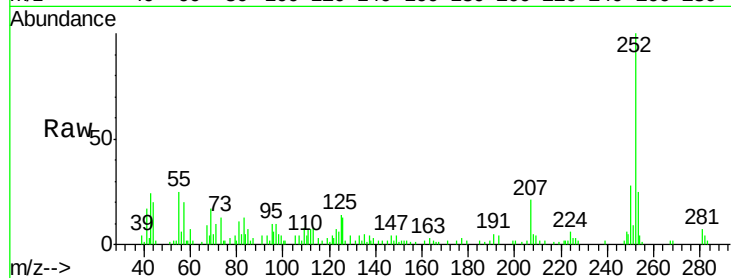




#87
Benzo(b)fluoranthene
Concen: 2.40 ng
RT: 15.16 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	14.4	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 2.49 ng
RT: 15.16 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF081809.D
Acq: 25 Sep 2015 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.4
125	14.4	16.0	24.0#

