

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\
 Data File : BF081792.D
 Acq On : 25 Sep 2015 7:08
 Operator : UM/IZ
 Sample : G3753-02RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Quant Time: Sep 25 08:27:48 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 07:13:40 2015
 Response via : Initial Calibration

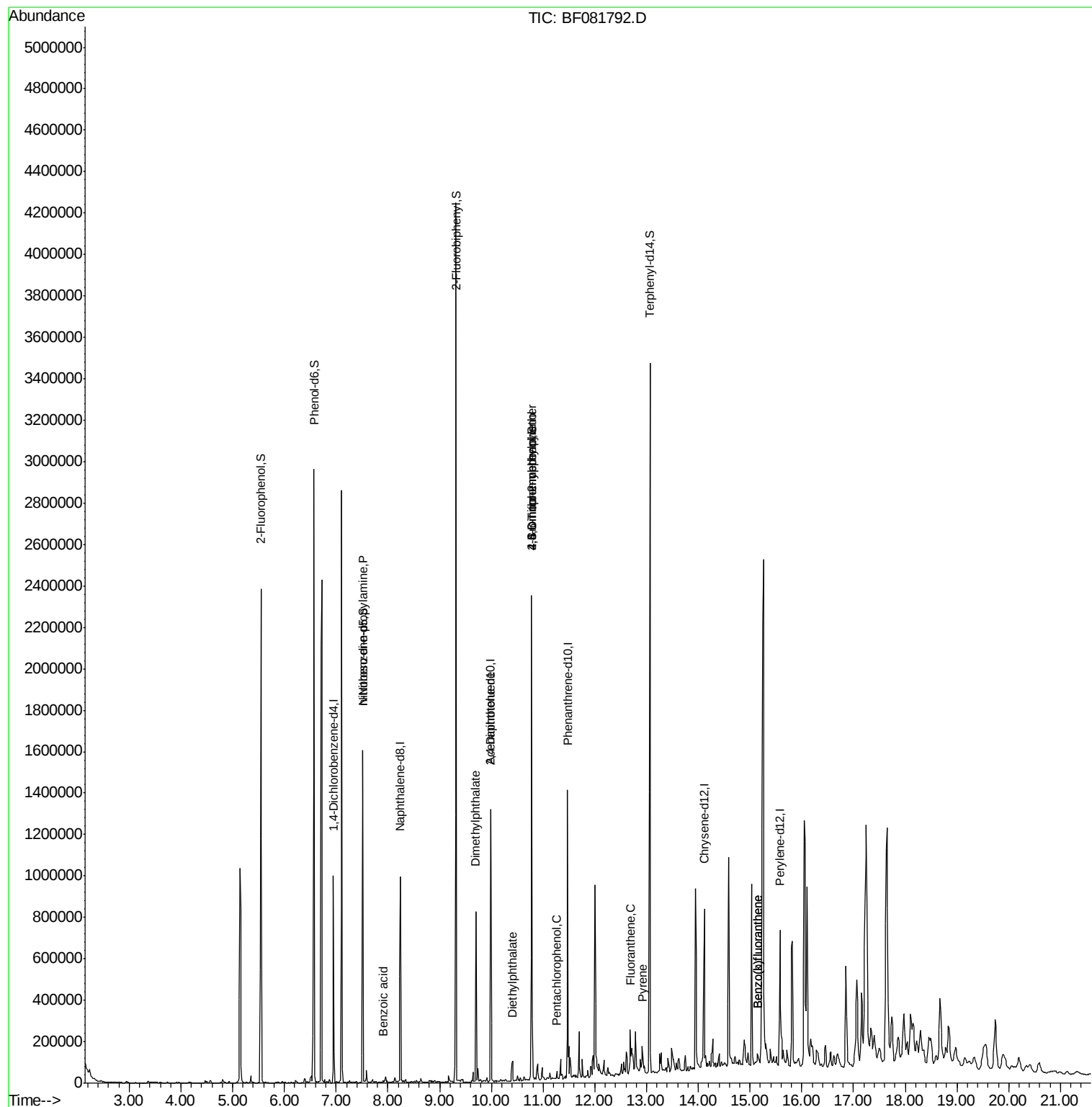
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	136878	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	521944	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	249823	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	466196	20.00	ng	0.00
75) Chrysene-d12	14.12	240	315738	20.00	ng	0.00
86) Perylene-d12	15.58	264	313109	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	811698	100.32	ng	0.00
7) Phenol-d6	6.57	99	1108803	108.34	ng	0.00
23) Nitrobenzene-d5	7.52	82	710209	89.78	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	261742	120.68	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1282708	84.29	ng	0.00
78) Terphenyl-d14	13.06	244	1114967	80.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	94205	13.81	ng	# 54
32) Benzoic acid	7.91	122	3187	2.06	ng	# 81
49) Dimethylphthalate	9.70	163	291829	15.35	ng	# 98
56) 2,4-Dinitrotoluene	9.99	165	32302	7.35	ng	# 34
59) Diethylphthalate	10.40	149	37852	2.06	ng	96
64) 4,6-Dinitro-2-methylphenol	10.78	198	625	8.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	17657	3.40	ng	# 1
69) Pentachlorophenol	11.27	266	3956	6.87	ng	97
74) Fluoranthene	12.69	202	55454	2.06	ng	89
77) Pyrene	12.91	202	49768	2.09	ng	97
87) Benzo(b)fluoranthene	15.14	252	42636	2.30	ng	# 93
88) Benzo(k)fluoranthene	15.14	252	42636	2.38	ng	93

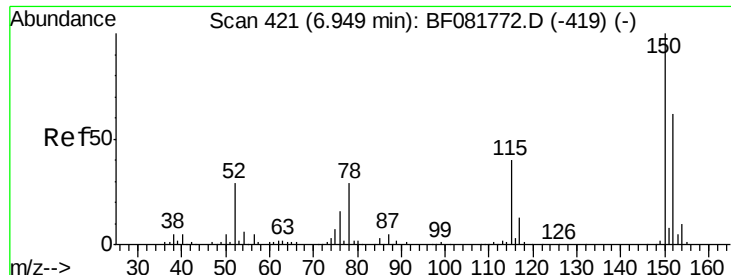
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

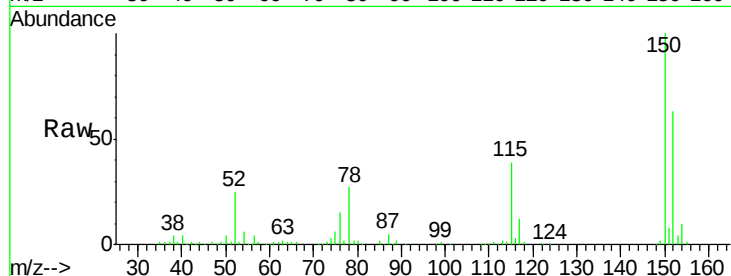
Tot Ion:152 Resp: 136878

Ion Ratio Lower Upper

152 100

150 159.2 124.7 187.1

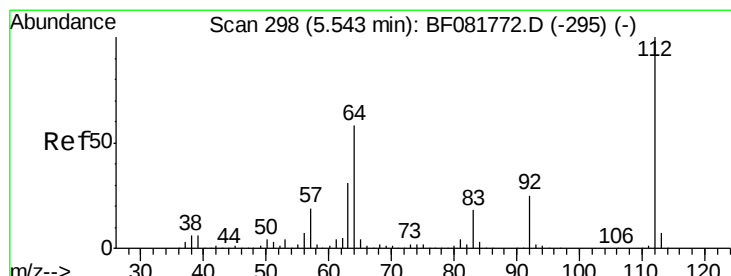
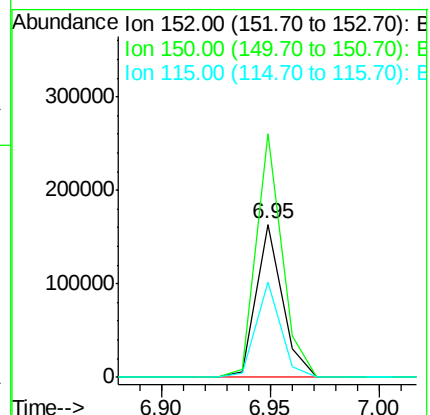
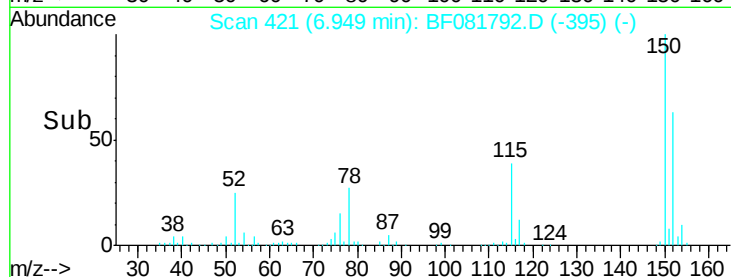
115 62.1 39.0 58.4#



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: 100.32 ng

RT: 5.54 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

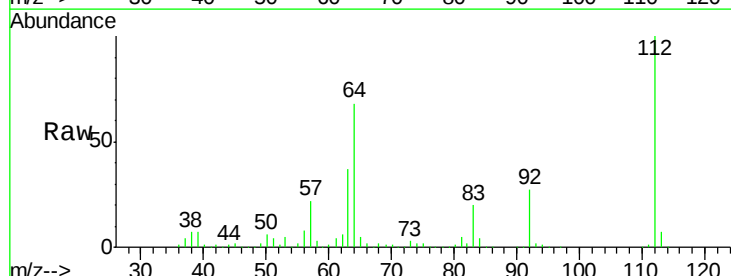
Tgt Ion:112 Resp: 811698

Ion Ratio Lower Upper

112 100

64 68.3 39.7 59.5#

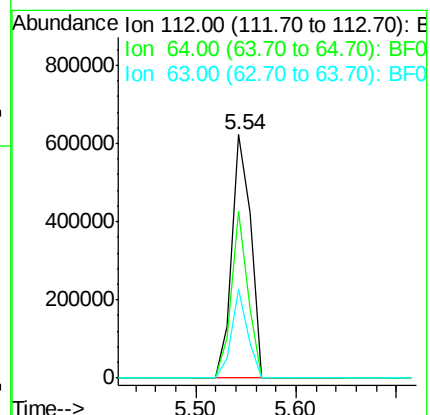
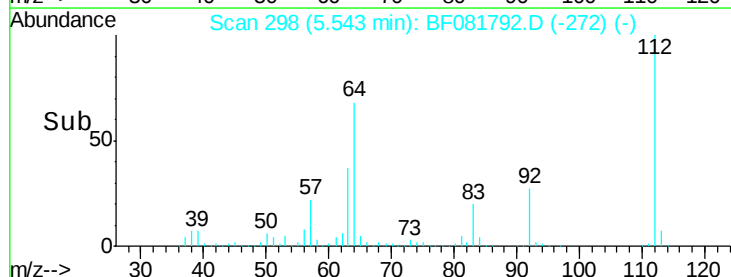
63 36.7 17.4 26.0#



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: 108.34 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

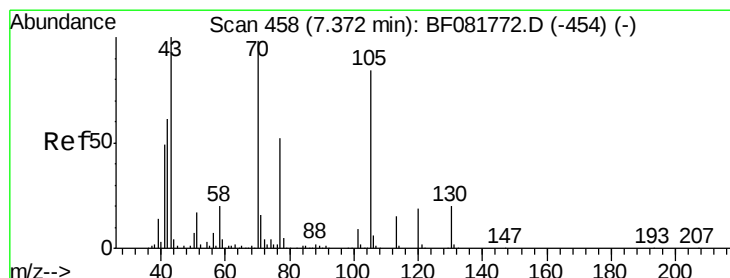
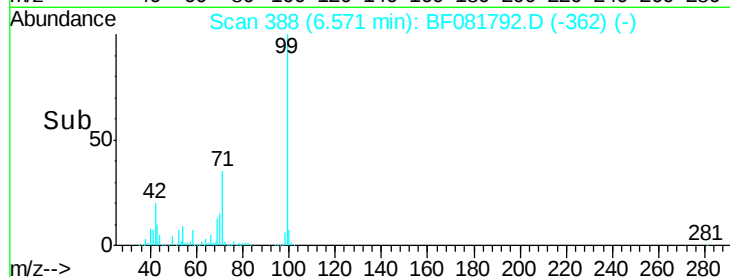
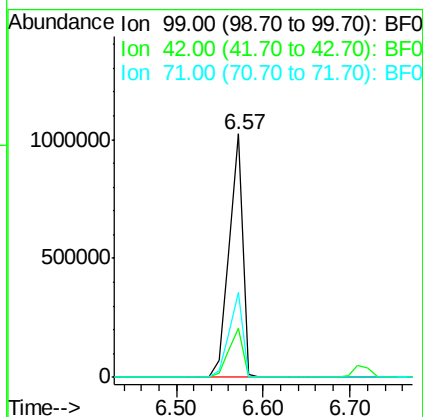
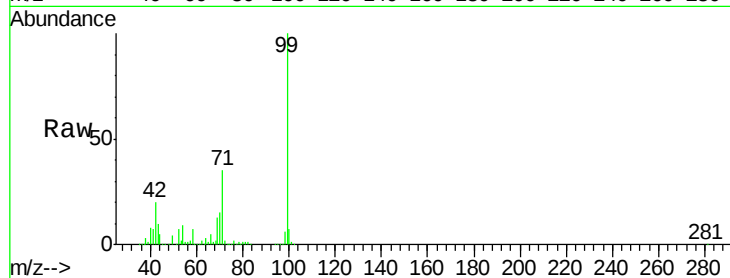
Tot Ion: 99 Resp: 1108803

Ion Ratio Lower Upper

99 100

42 20.0 13.7 20.5

71 34.9 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 13.81 ng

RT: 7.52 min Scan# 471

Delta R.T. 0.15 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Tgt Ion: 70 Resp: 94205

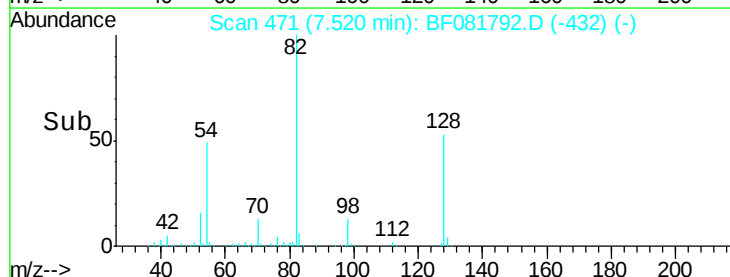
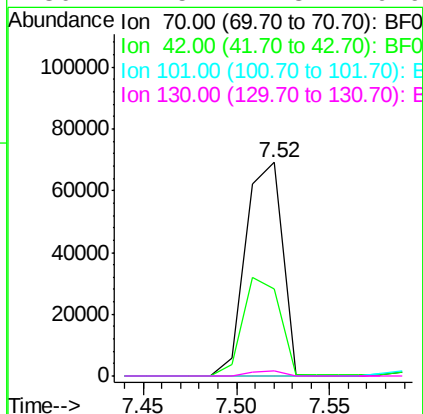
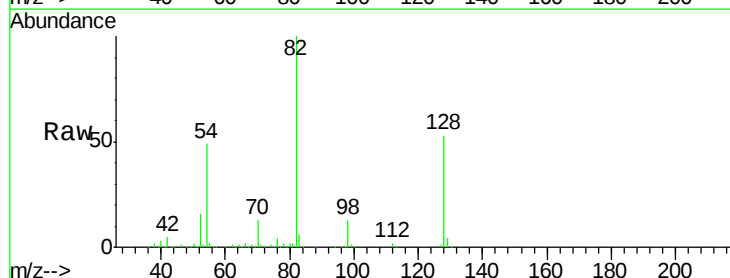
Ion Ratio Lower Upper

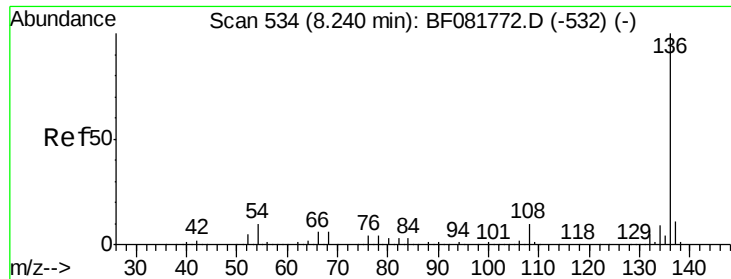
70 100

42 41.0 63.8 95.6#

101 0.0 9.2 13.8#

130 2.5 27.3 40.9#

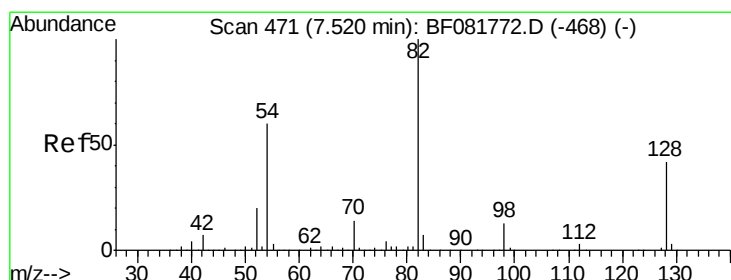
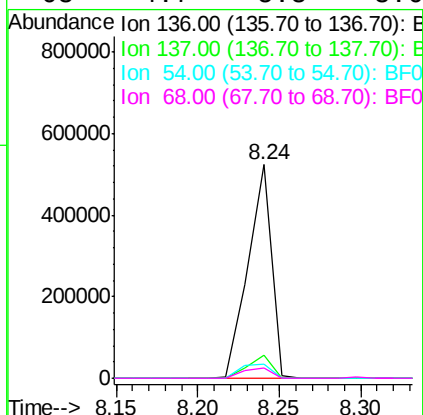
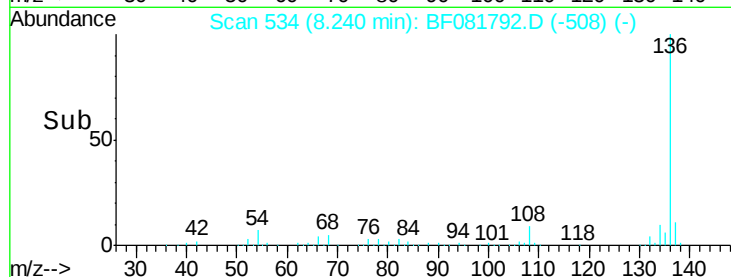
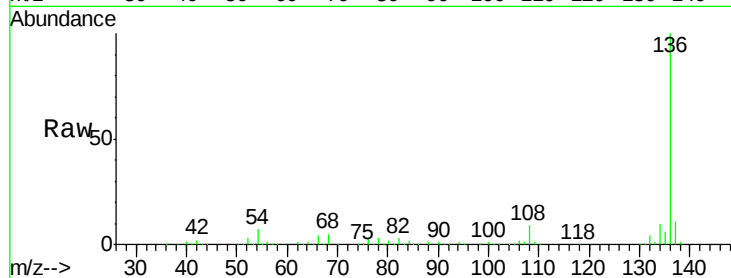




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF081792.D
Acq: 25 Sep 2015 7:08

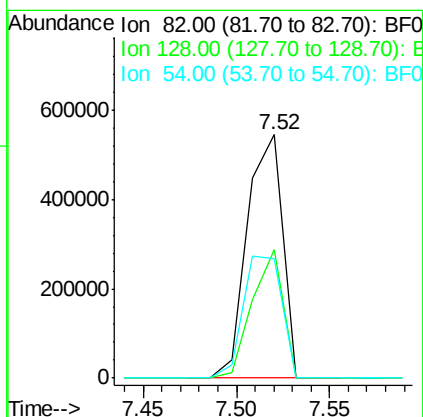
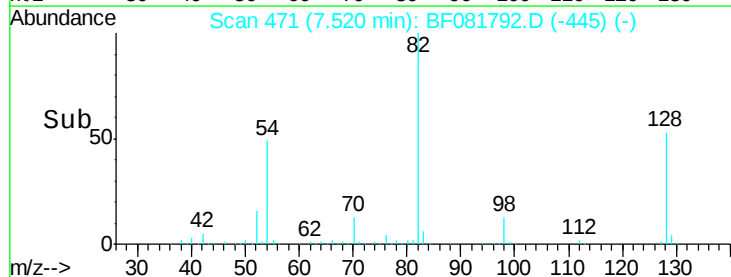
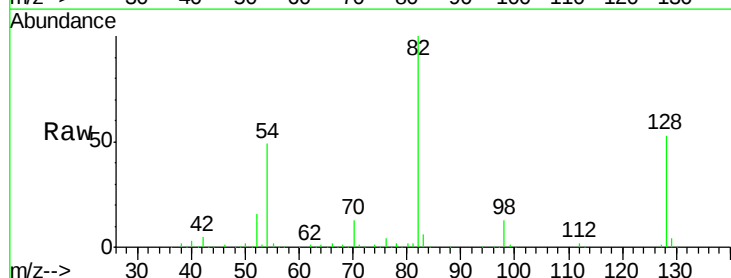
Instrument :
BNA_F
ClientSampleId :
SP-1RE

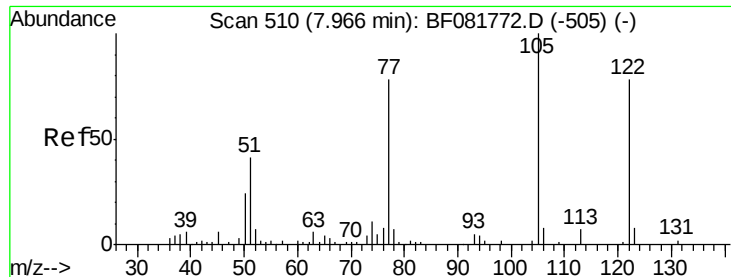
Tot Ion:136	Resp:	521944
Ion Ratio	Lower	Upper
136 100		
137 10.9	9.0	13.6
54 6.5	8.2	12.2#
68 4.7	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 89.78 ng
RT: 7.52 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF081792.D
Acq: 25 Sep 2015 7:08

Tgt Ion: 82	Resp:	710209
Ion Ratio	Lower	Upper
82 100		
128 52.8	51.0	76.6
54 48.9	47.5	71.3





#32

Benzoic acid

Concen: 2.06 ng

RT: 7.91 min Scan# 505

Delta R.T. -0.07 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

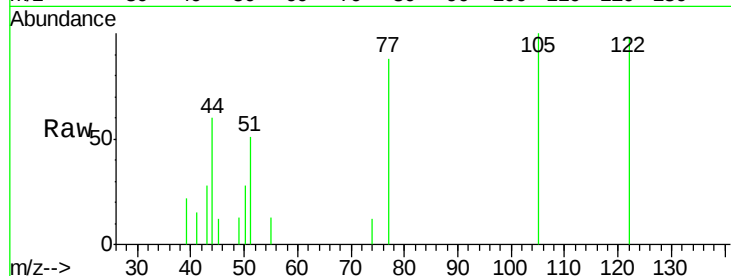
Tot Ion:122 Resp: 3187

Ion Ratio Lower Upper

122 100

105 102.5 76.1 116.1

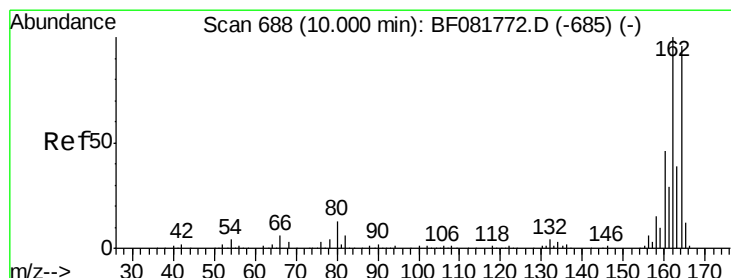
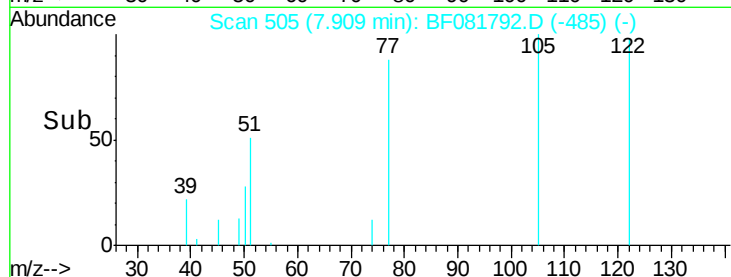
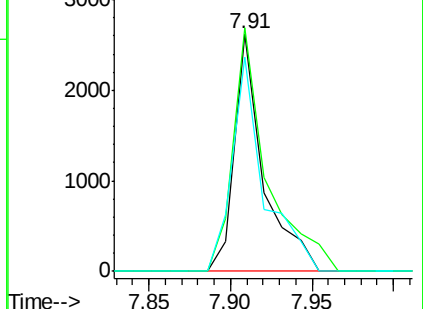
77 90.0 40.5 80.5#



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: BF081792.D

Acq: 25 Sep 2015 7:08

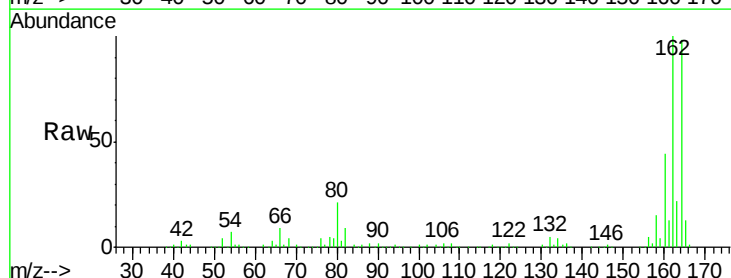
Tgt Ion:164 Resp: 249823

Ion Ratio Lower Upper

164 100

162 102.3 75.2 112.8

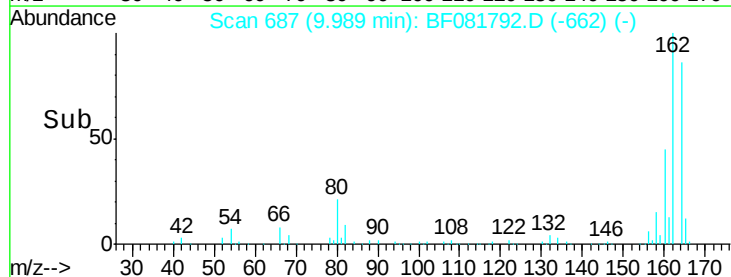
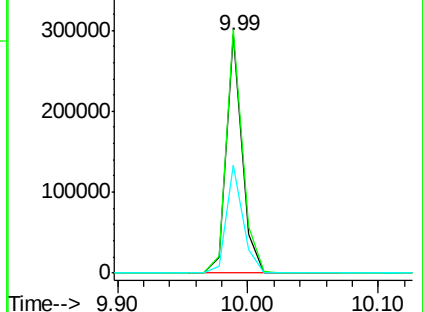
160 45.2 31.5 47.3

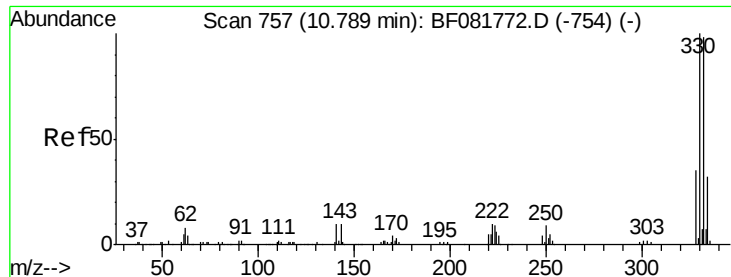


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

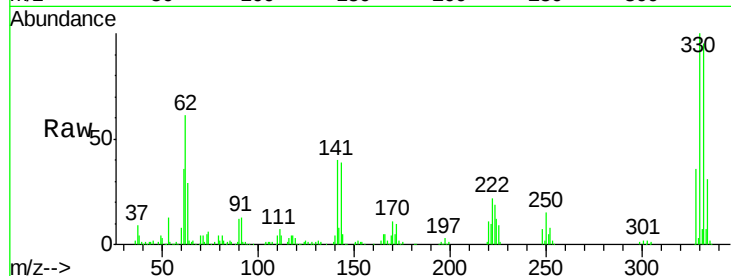




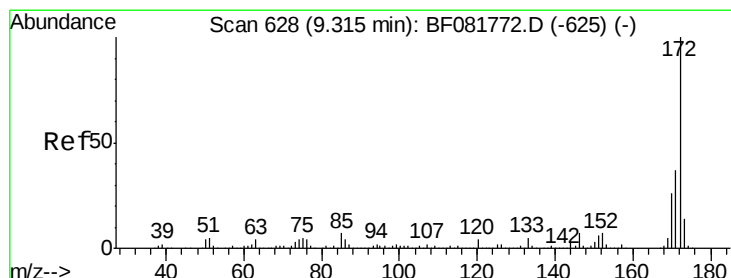
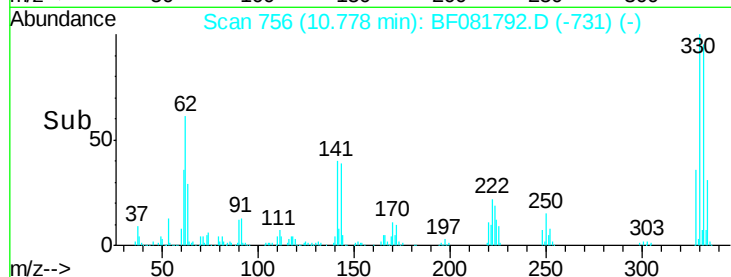
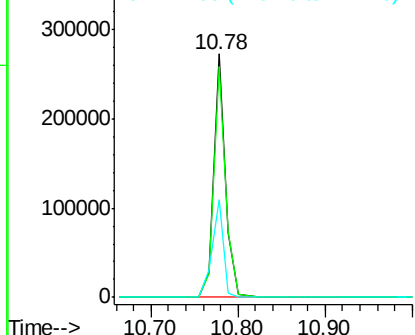
#41
 2,4,6-Tribromophenol
 Concen: 120.68 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Tot Ion:330 Resp: 261742
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 38.4 29.7 44.5

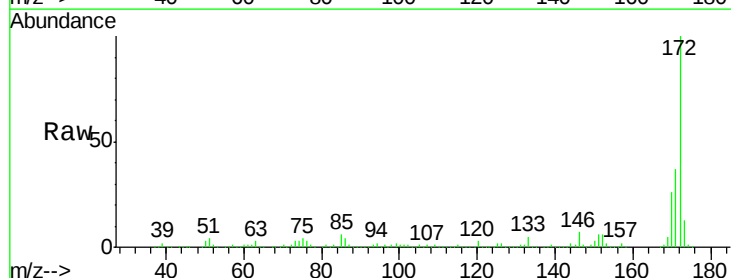


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

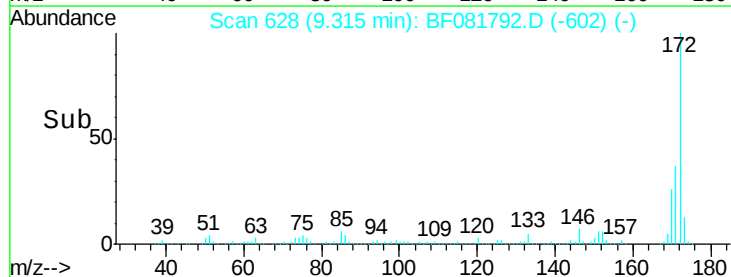
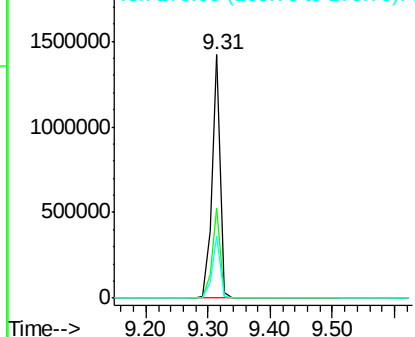


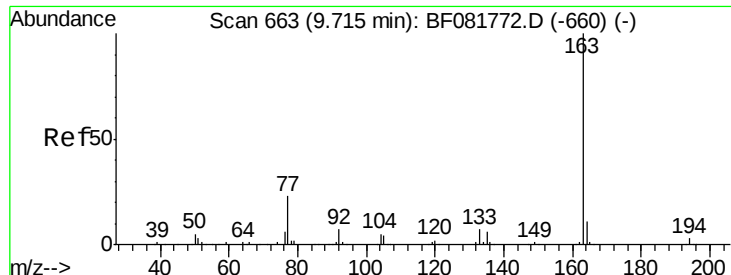
#44
 2-Fluorobiphenyl
 Concen: 84.29 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Tgt Ion:172 Resp: 1282708
 Ion Ratio Lower Upper
 172 100
 171 37.2 26.1 39.1
 170 25.7 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

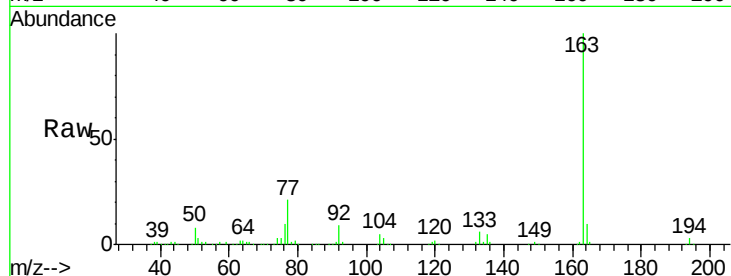




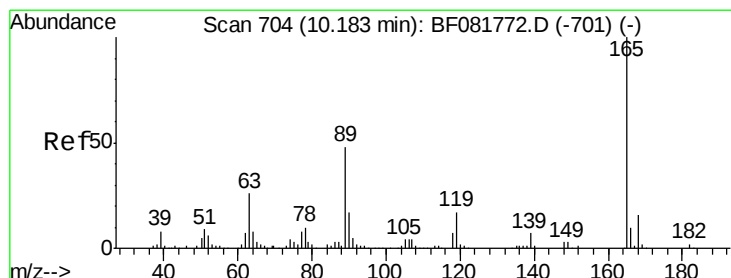
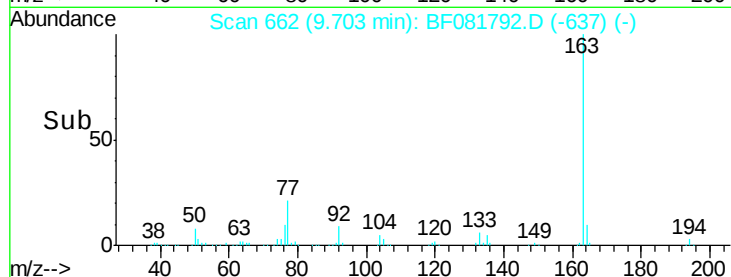
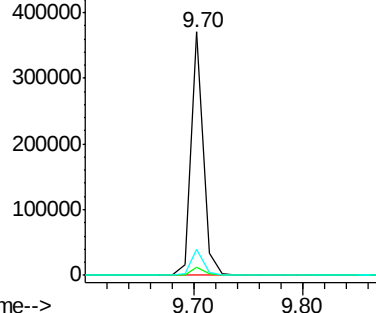
#49
Dimethylphthalate
Concen: 15.35 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF081792.D
Acq: 25 Sep 2015 7:08

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	4.4	6.6#
164	10.5	8.3	12.5

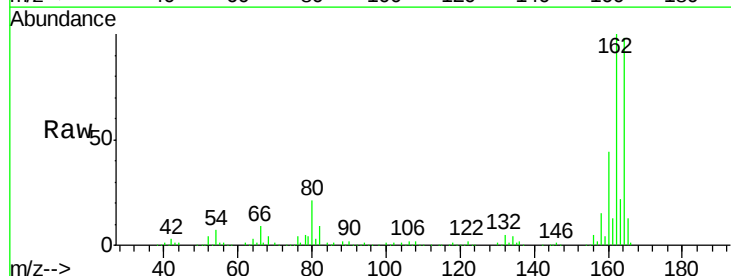


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

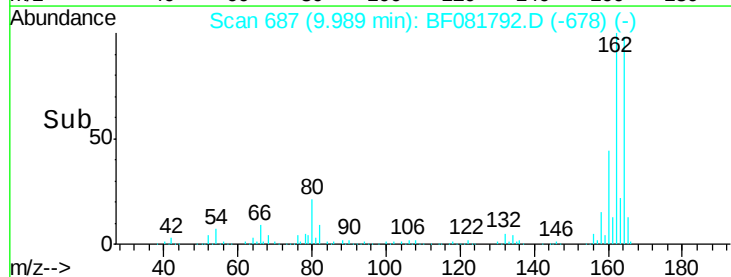
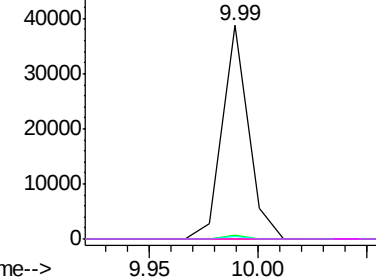


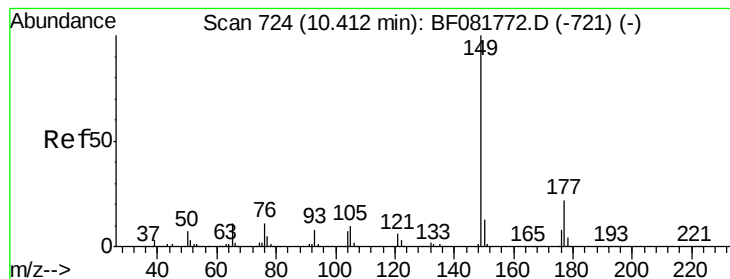
#56
2,4-Dinitrotoluene
Concen: 7.35 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF081792.D
Acq: 25 Sep 2015 7:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	29.8	44.6#
89	1.3	44.5	66.7#
182	0.0	3.0	4.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#59

Diethylphthalate

Concen: 2.06 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

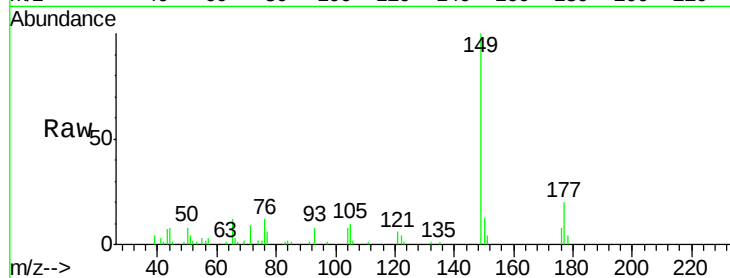
Tot Ion:149 Resp: 37852

Ion Ratio Lower Upper

149 100

177 19.9 17.5 26.3

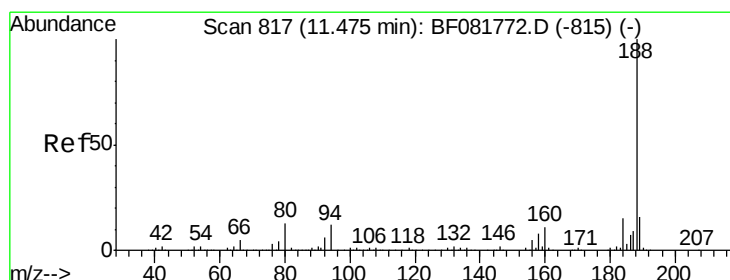
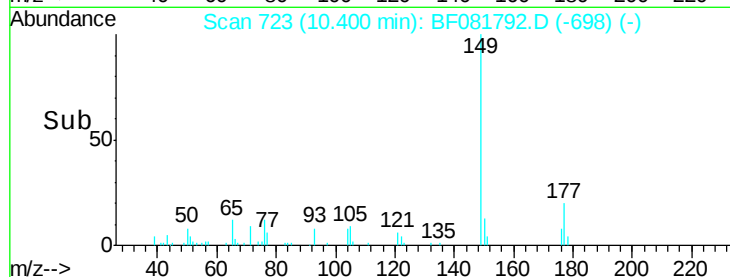
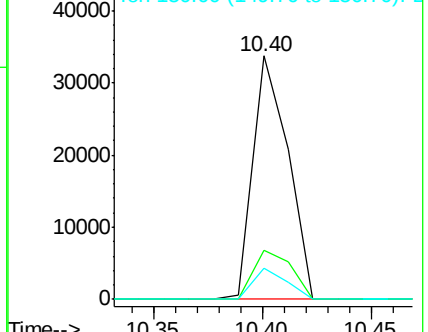
150 12.9 9.4 14.2



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: BF081792.D

Acq: 25 Sep 2015 7:08

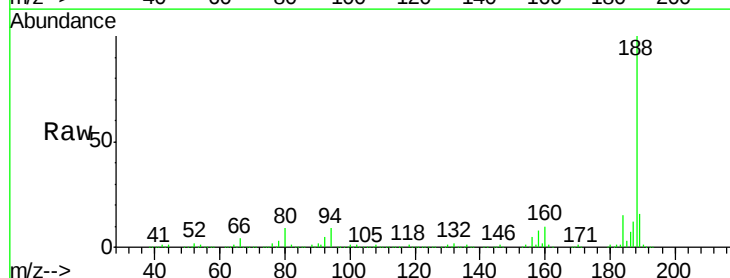
Tgt Ion:188 Resp: 466196

Ion Ratio Lower Upper

188 100

94 8.9 11.1 16.7#

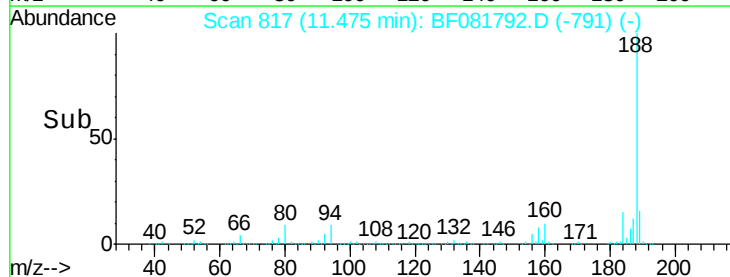
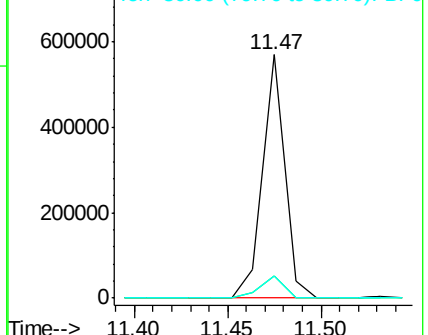
80 9.3 11.0 16.4#

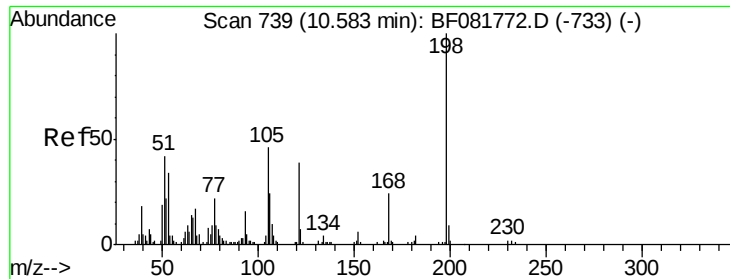


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

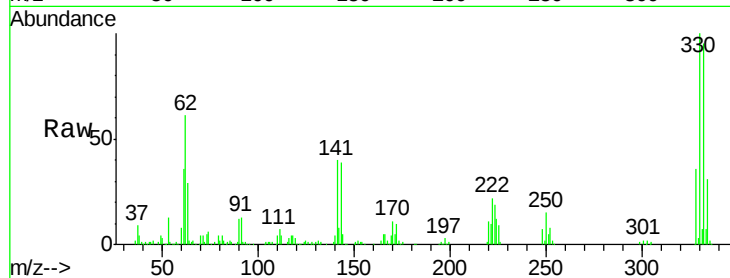




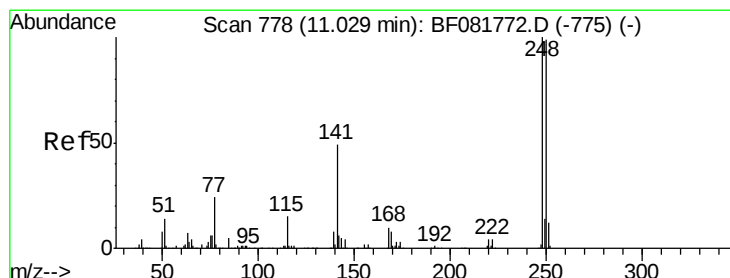
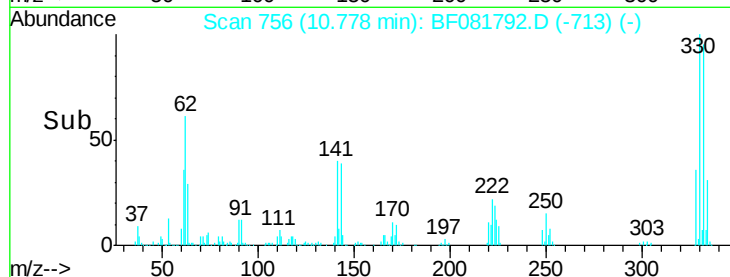
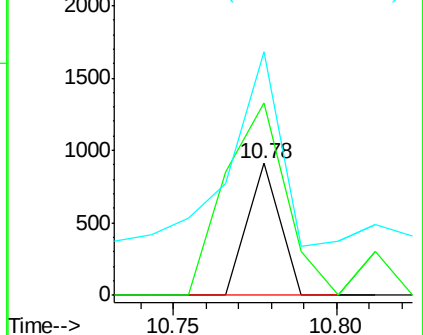
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.34 ng
 RT: 10.78 min Scan# 756
 Delta R.T. 0.19 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Tot Ion:198 Resp: 625
 Ion Ratio Lower Upper
 198 100
 51 145.9 39.6 79.6#
 105 184.4 28.5 68.5#

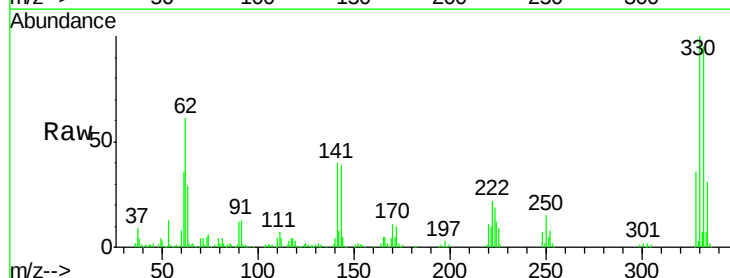


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

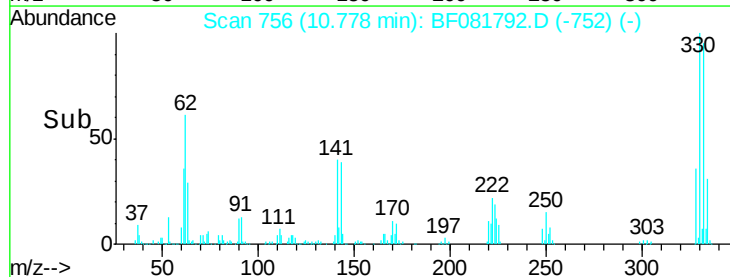
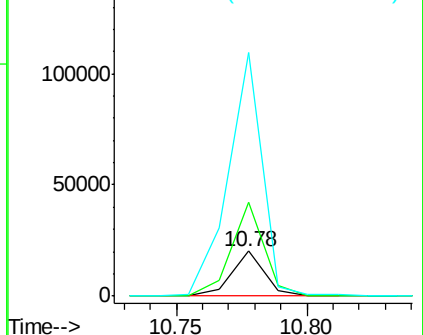


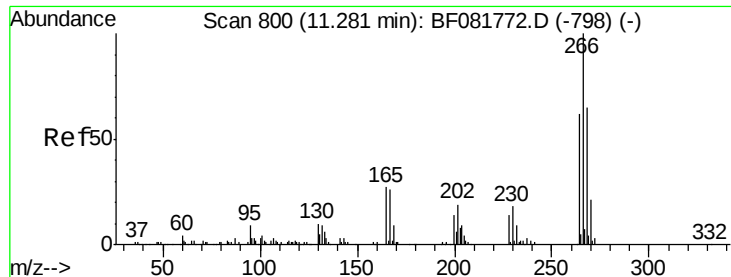
#66
 4-Bromophenyl-phenylether
 Concen: 3.40 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Tgt Ion:248 Resp: 17657
 Ion Ratio Lower Upper
 248 100
 250 208.6 78.5 117.7#
 141 541.0 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

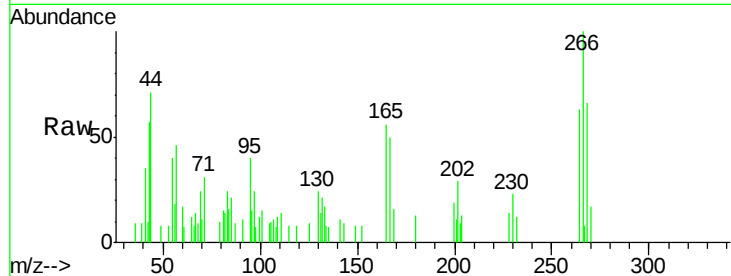




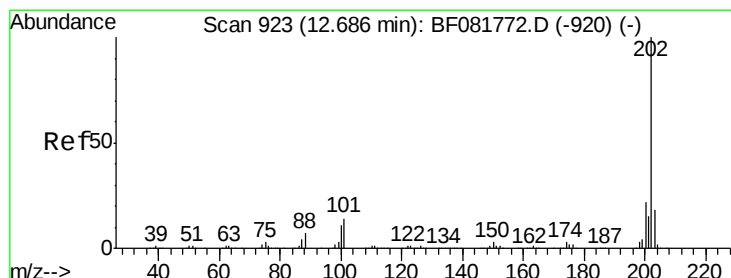
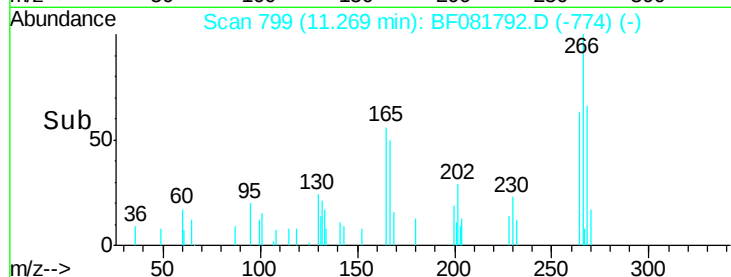
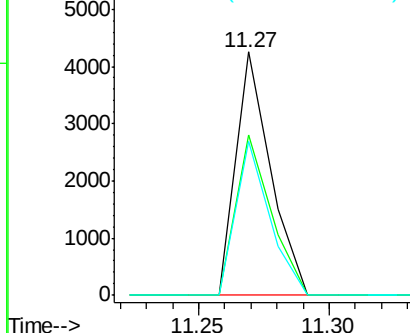
#69
 Pentachlorophenol
 Concen: 6.87 ng
 RT: 11.27 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.0	49.8	74.6
264	63.4	50.2	75.2

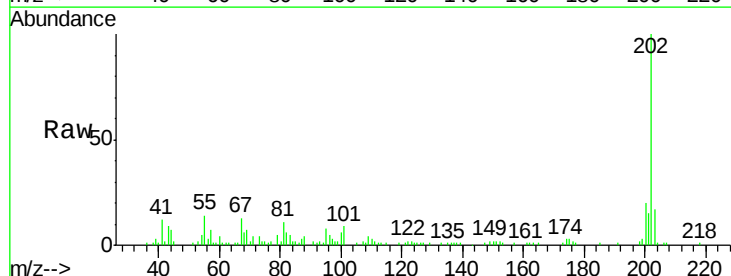


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

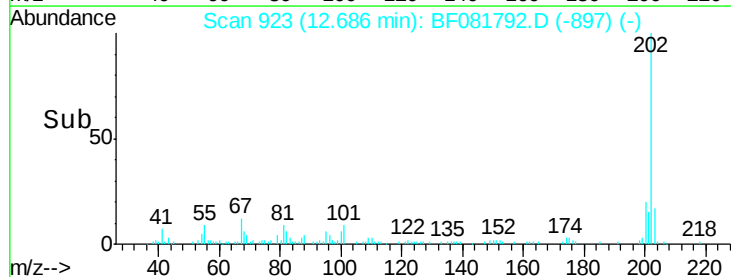
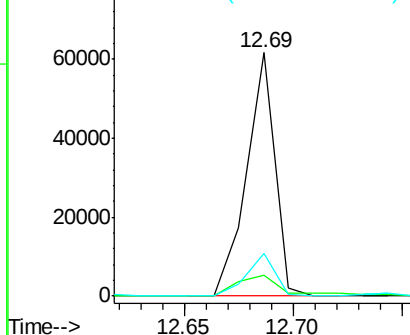


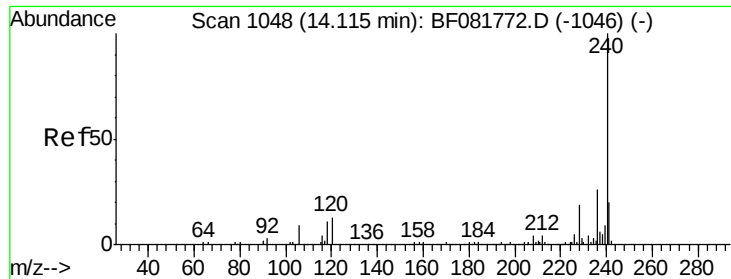
#74
 Fluoranthene
 Concen: 2.06 ng
 RT: 12.69 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	38.3
203	17.4	0.0	37.3



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: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

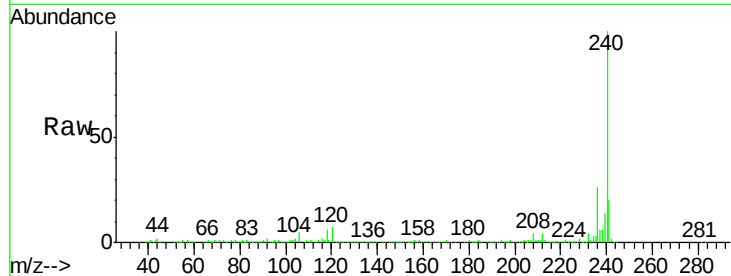
Tot Ion:240 Resp: 315738

Ion Ratio Lower Upper

240 100

120 7.3 16.2 24.2#

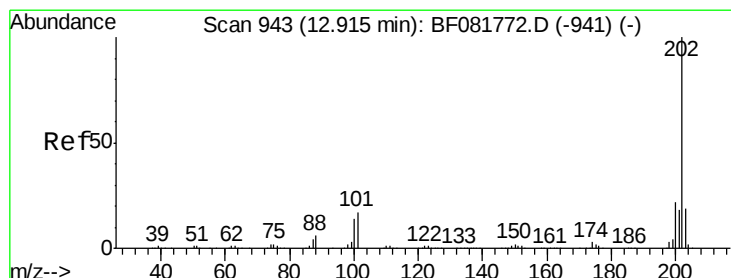
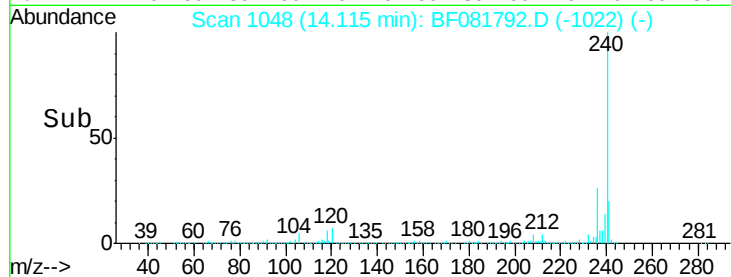
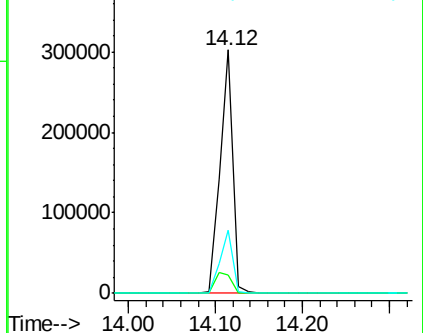
236 25.8 18.4 27.6



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: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

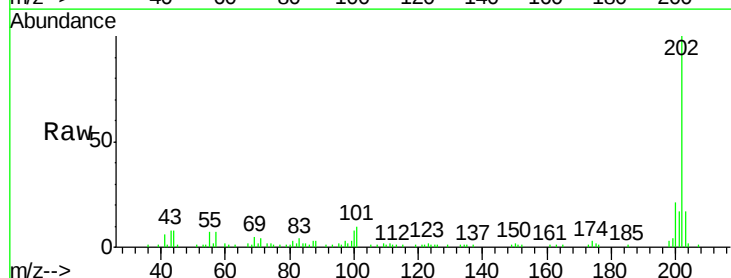
Tgt Ion:202 Resp: 49768

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

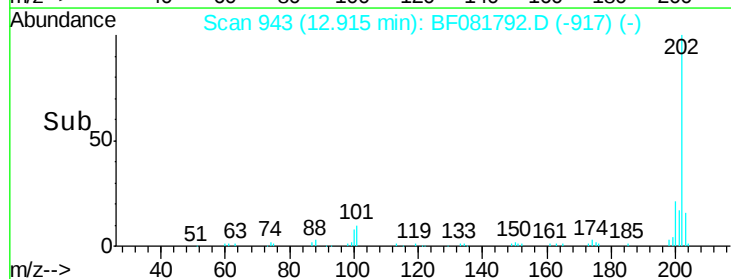
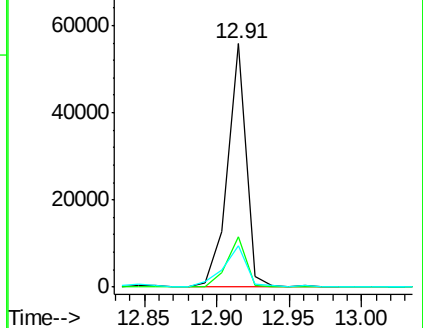
203 16.8 14.1 21.1

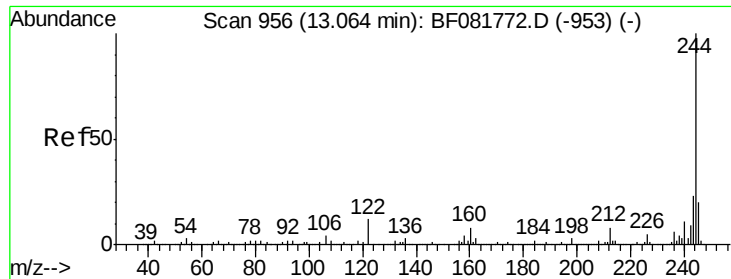


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

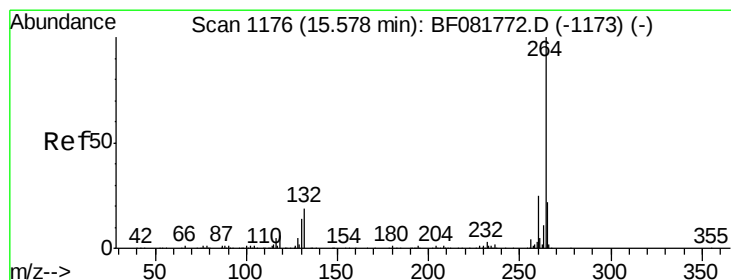
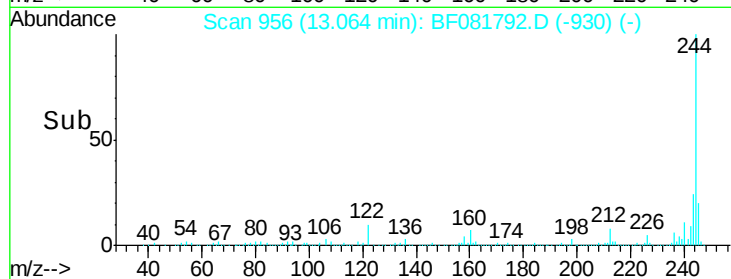
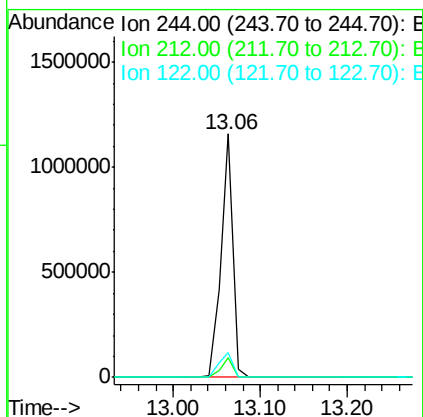
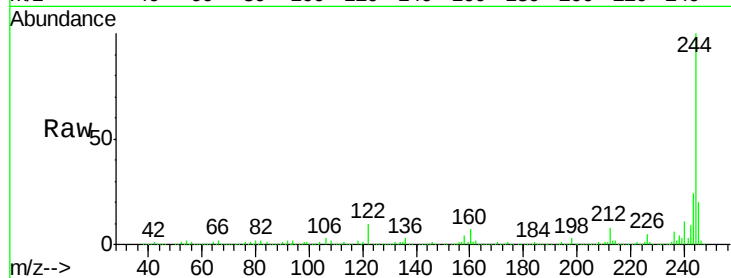




#78
 Terphenyl-d14
 Concen: 80.67 ng
 RT: 13.06 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

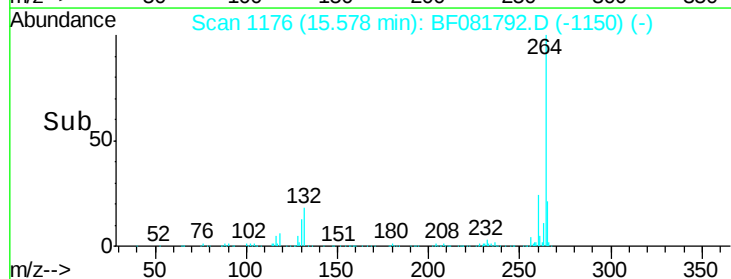
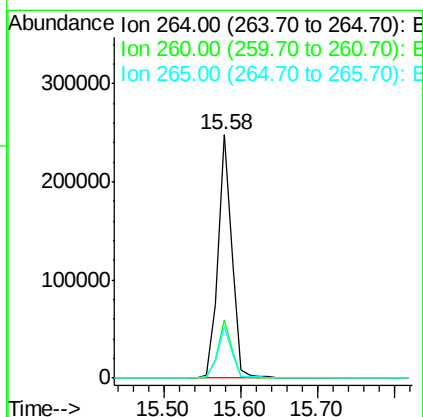
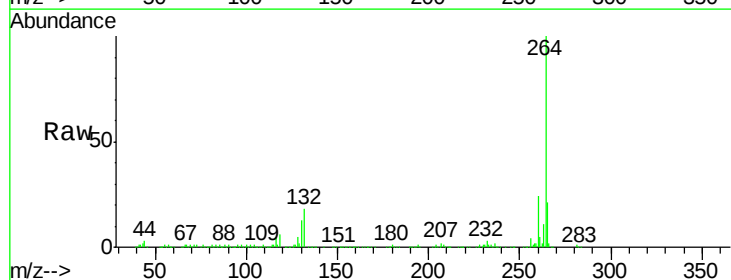
Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

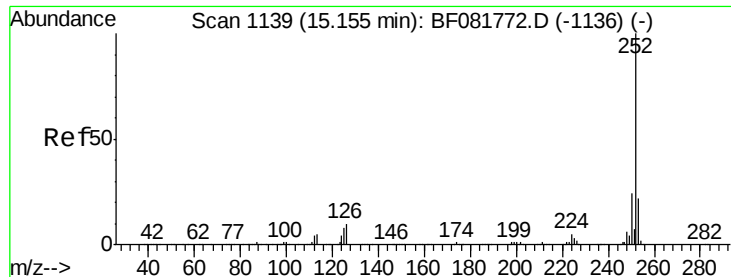
Tot Ion:244 Resp: 1114967
 Ion Ratio Lower Upper
 244 100
 212 8.0 4.3 6.5#
 122 9.9 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF081792.D
 Acq: 25 Sep 2015 7:08

Tgt Ion:264 Resp: 313109
 Ion Ratio Lower Upper
 264 100
 260 24.0 16.7 25.1
 265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.30 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SP-1RE

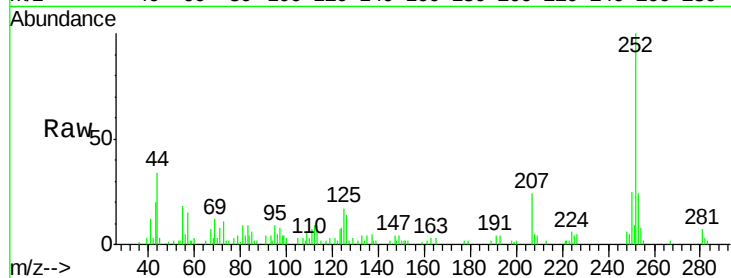
Tot Ion:252 Resp: 42636

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

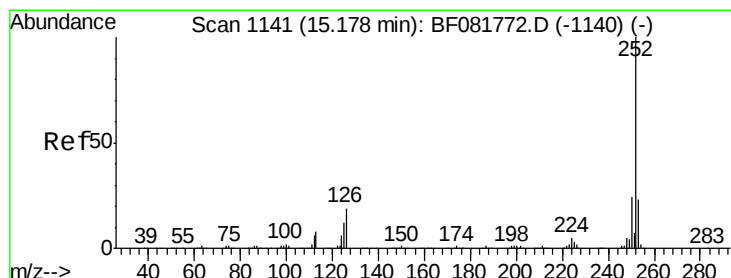
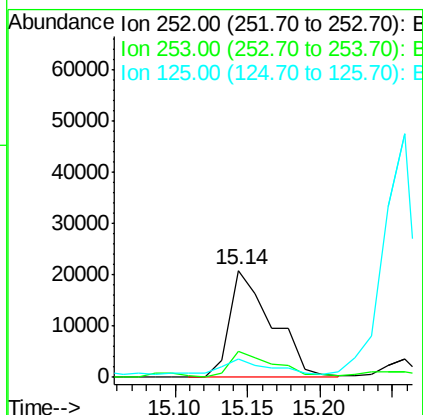
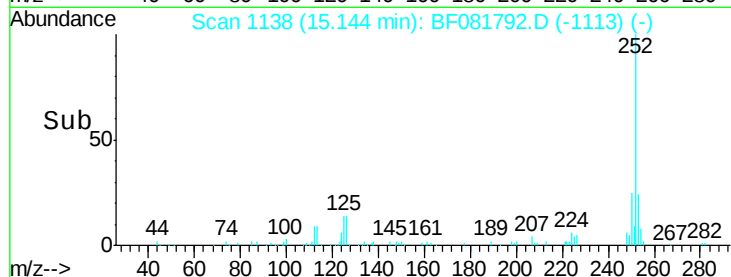
125 16.9 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.38 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.03 min

Lab File: BF081792.D

Acq: 25 Sep 2015 7:08

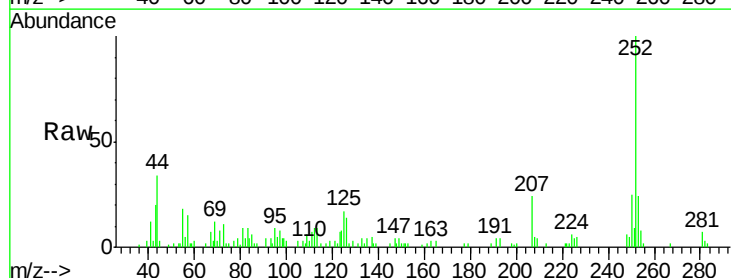
Tgt Ion:252 Resp: 42636

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 16.9 16.0 24.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

