

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\
 Data File : BF081781.D
 Acq On : 25 Sep 2015 00:02
 Operator : UM/IZ
 Sample : G3748-04DL2 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12DL2

Quant Time: Sep 25 06:06:45 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 06:04:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	10166	20.00	ng	0.16
21) Naphthalene-d8	8.24	136	871773	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	420061	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	775248	20.00	ng	0.00
75) Chrysene-d12	14.12	240	631306	20.00	ng	0.00
86) Perylene-d12	15.58	264	482810	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	19192	31.94	ng	-0.01
7) Phenol-d6	6.55	99	25376	33.39	ng	-0.02
23) Nitrobenzene-d5	7.51	82	12338	0.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	3679	1.01	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	34235	1.34	ng	-0.01
78) Terphenyl-d14	13.05	244	33395	1.21	ng	-0.01

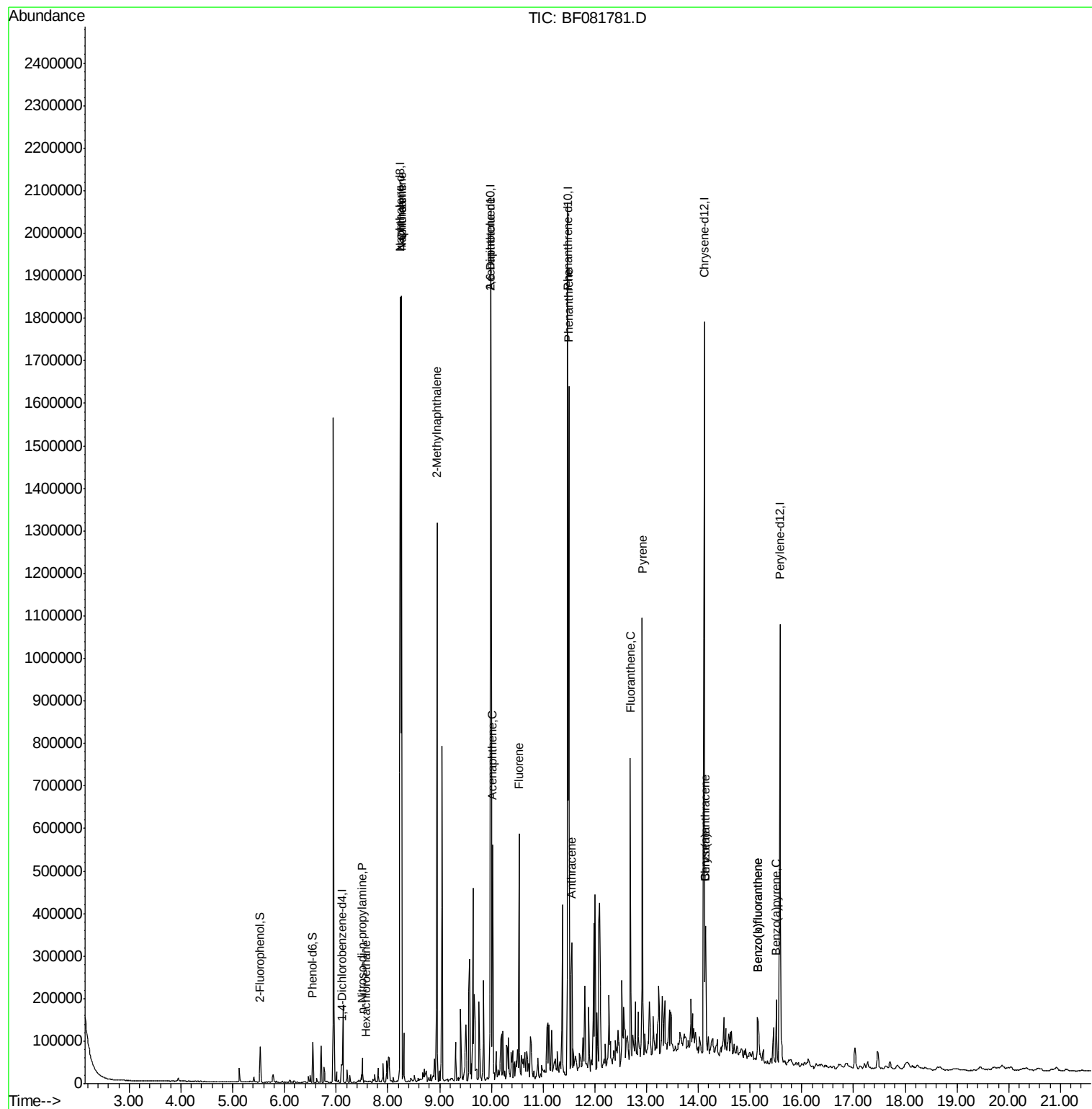
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.57	117	1492	5.78	ng	# 5
19) n-Nitroso-di-n-propylamine	7.51	70	1345	2.65	ng	# 67
31) Naphthalene	8.26	128	883411	21.97	ng	97
33) 4-Chloroaniline	8.26	127	119482	6.77	ng	# 36
37) 2-Methylnaphthalene	8.95	142	311017	10.85	ng	# 90
50) 2,6-Dinitrotoluene	9.99	165	61967	10.04	ng	# 39
51) Acenaphthene	10.02	154	102962	4.00	ng	87
57) Fluorene	10.54	166	170957	5.89	ng	92
70) Phenanthrene	11.50	178	653308	14.74	ng	96
71) Anthracene	11.55	178	170597	3.99	ng	100
74) Fluoranthene	12.69	202	255621	5.72	ng	93
77) Pvrene	12.91	202	386703	8.12	ng	97
80) Benzo(a)anthracene	14.14	228	90183	2.36	ng	92
82) Chrysene	14.14	228	90183	2.46	ng	94
87) Benzo(b)fluoranthene	15.14	252	85455	2.98	ng	# 88
88) Benzo(k)fluoranthene	15.14	252	85713	3.11	ng	# 88
89) Benzo(a)pvrene	15.51	252	71434	2.76	ng	# 88

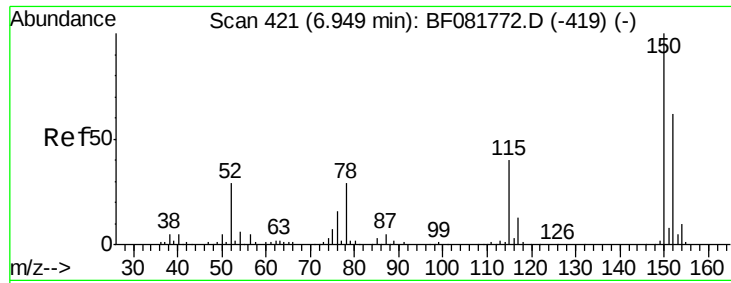
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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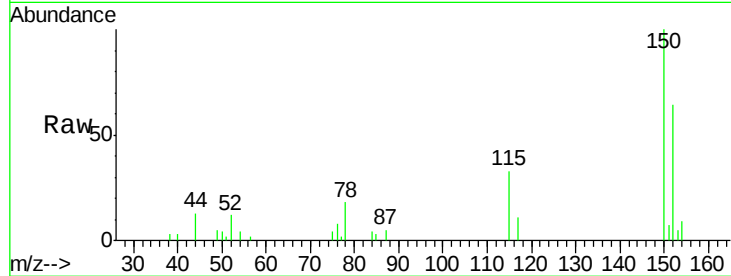


#1

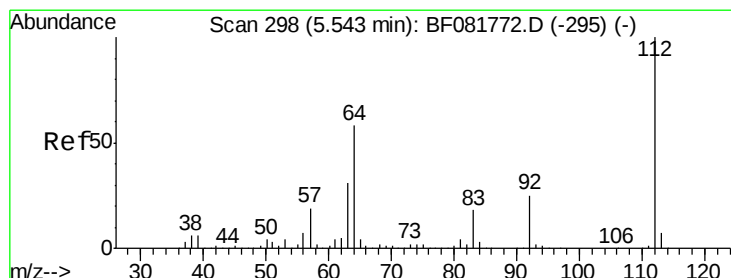
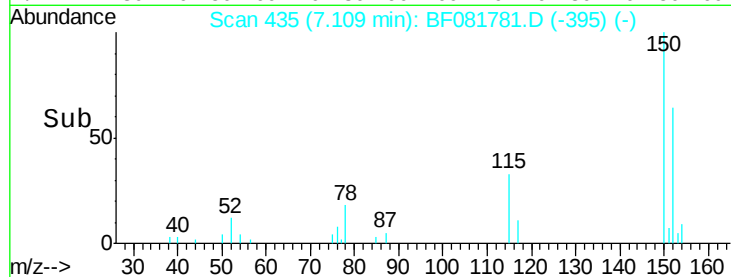
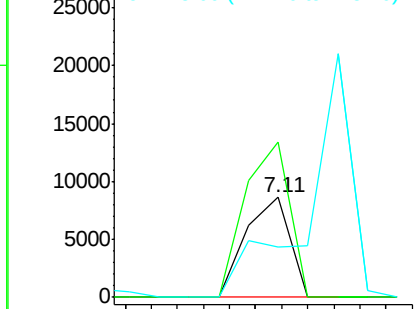
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.11 min Scan# 435
Delta R.T. 0.16 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tot Ion:152 Resp: 10166
Ion Ratio Lower Upper
152 100
150 155.2 124.7 187.1
115 50.8 39.0 58.4



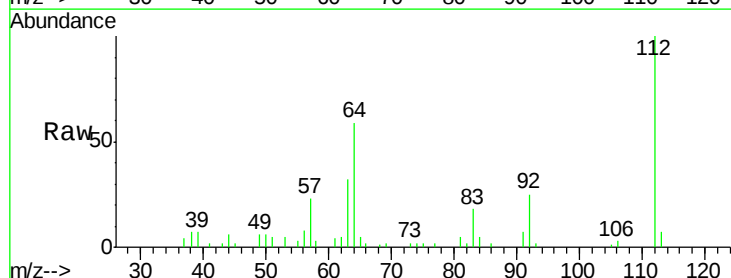
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



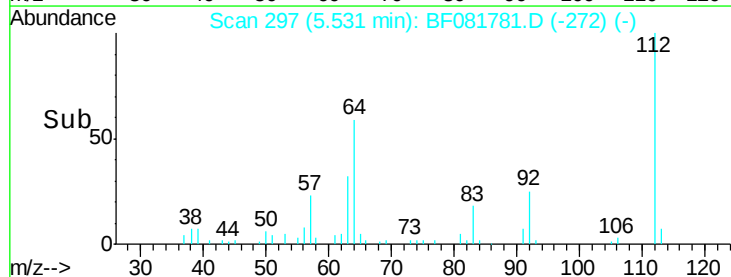
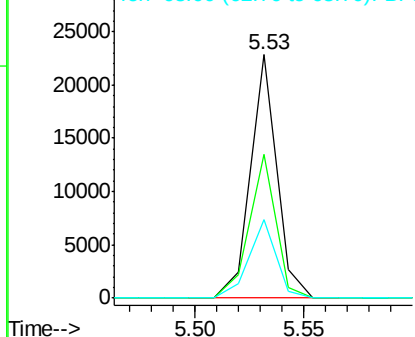
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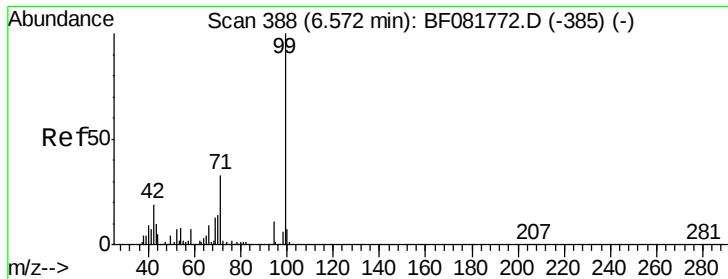
2-Fluorophenol
Concen: 31.94 ng
RT: 5.53 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion:112 Resp: 19192
Ion Ratio Lower Upper
112 100
64 59.1 39.7 59.5
63 32.0 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: 33.39 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

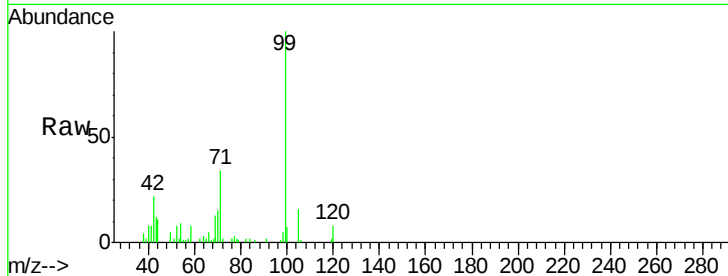
Tot Ion: 99 Resp: 25376

Ion Ratio Lower Upper

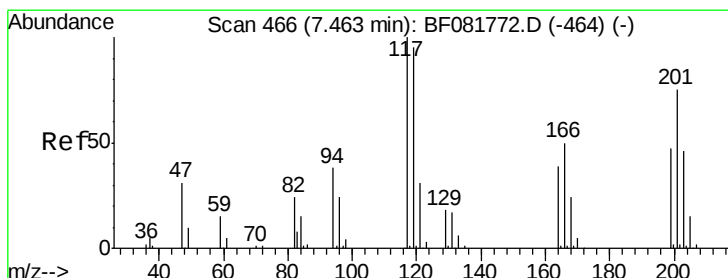
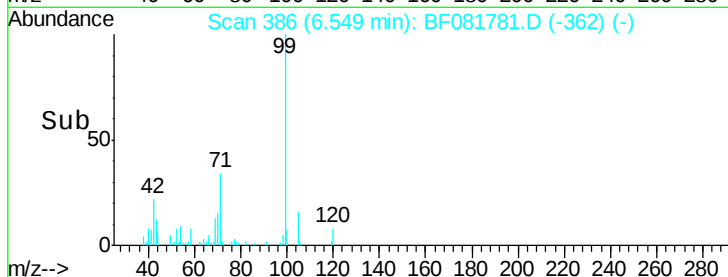
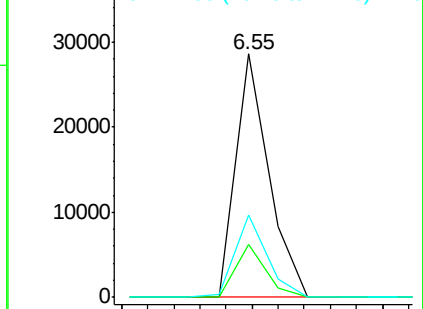
99 100

42 22.0 13.7 20.5#

71 34.0 14.2 21.2#



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



#18

Hexachloroethane

Concen: 5.78 ng

RT: 7.57 min Scan# 475

Delta R.T. 0.10 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

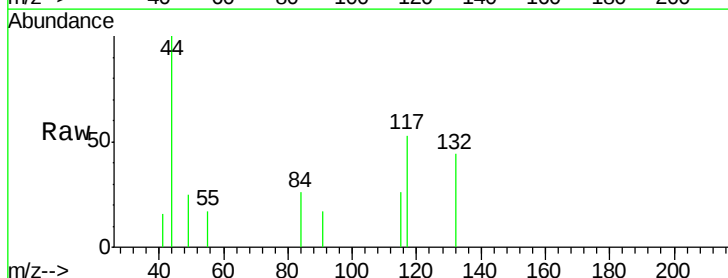
Tgt Ion: 117 Resp: 1492

Ion Ratio Lower Upper

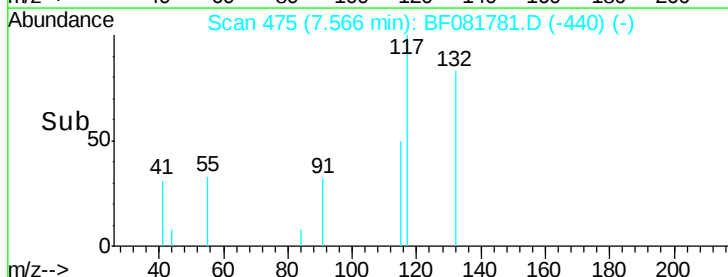
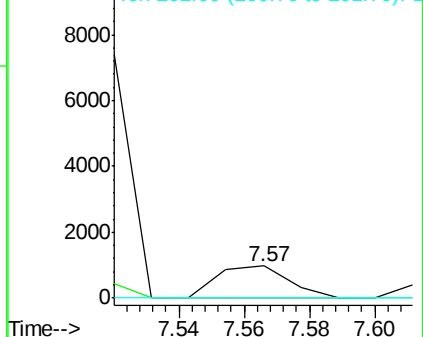
117 100

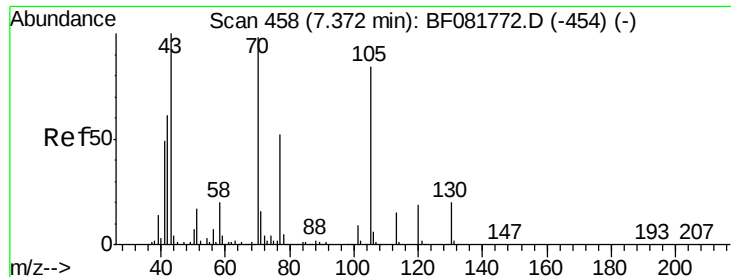
119 0.0 83.8 125.6#

201 0.0 55.1 82.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

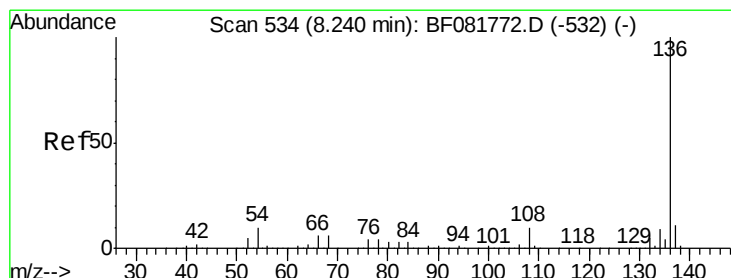
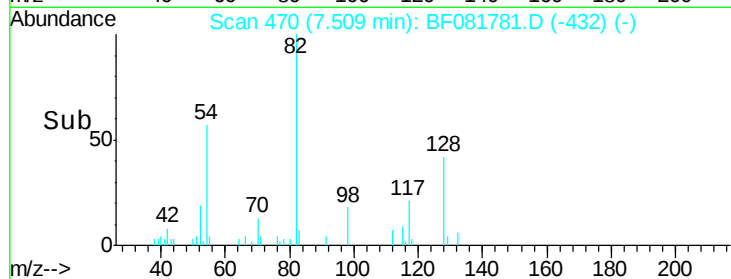
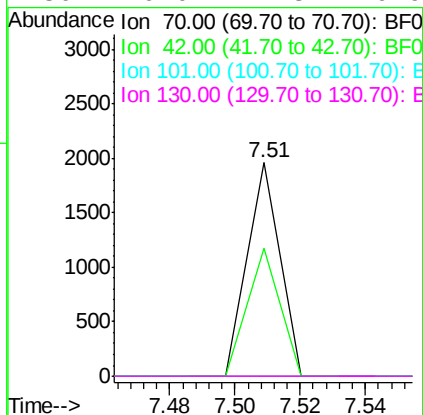
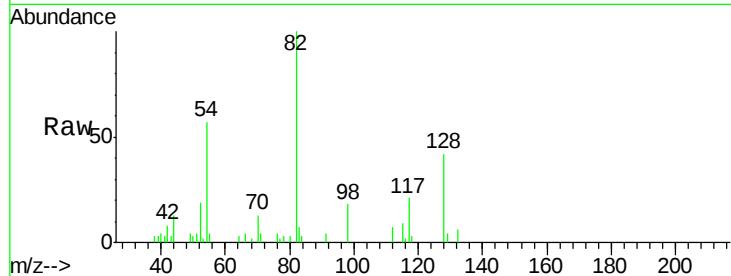




#19
n-Nitroso-di-n-propylamine
Concen: 2.65 ng
RT: 7.51 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

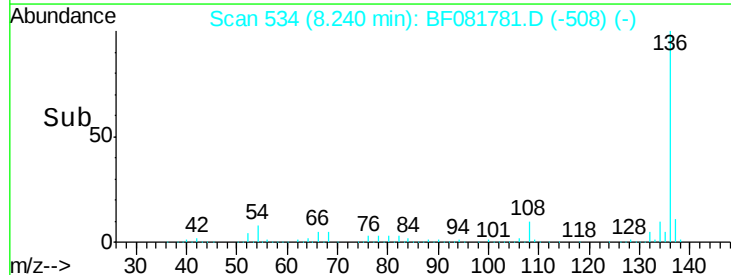
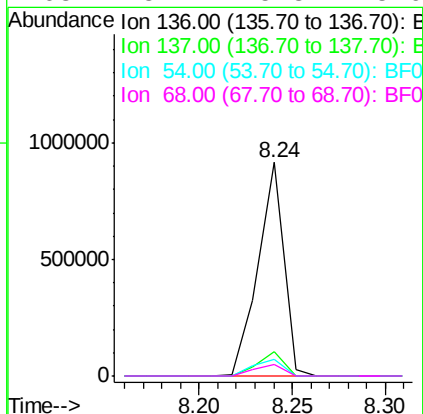
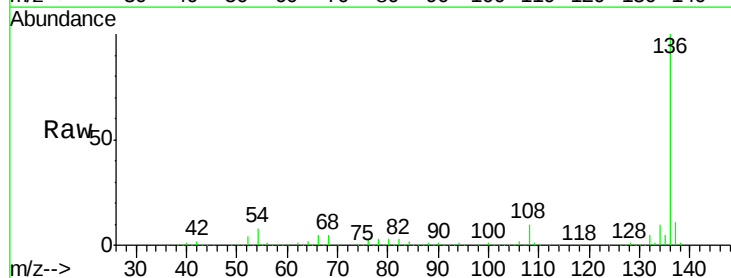
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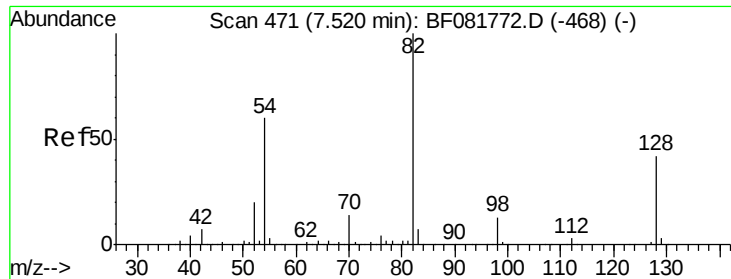
Tot Ion: 70 Resp: 1345
Ion Ratio Lower Upper
70 100
42 60.0 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion: 136 Resp: 871773
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 8.1 8.2 12.2#
68 5.4 5.8 8.6#

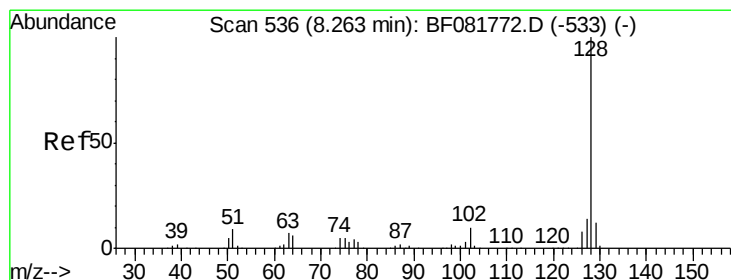
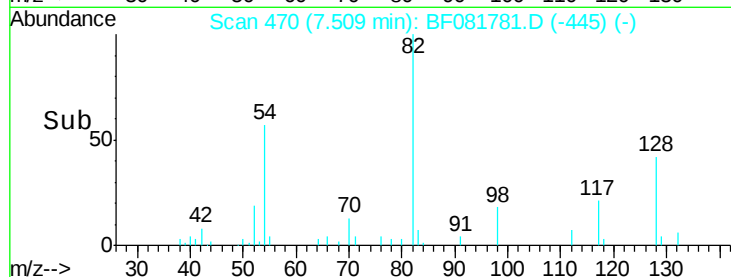
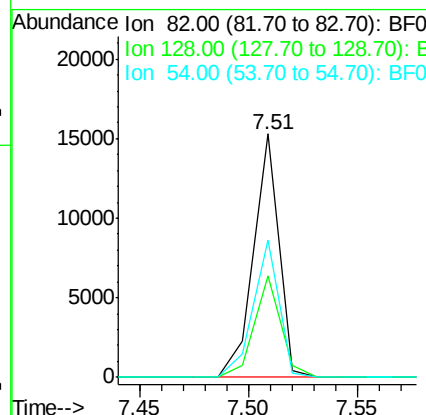
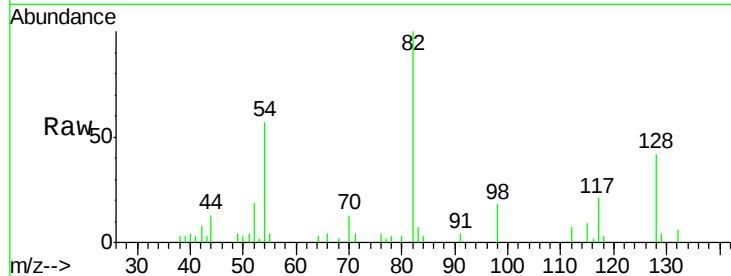




#23
 Nitrobenzene-d5
 Concen: 0.93 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081781.D
 Acq: 25 Sep 2015 00:02

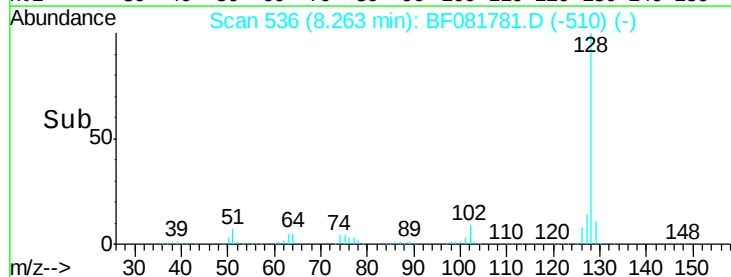
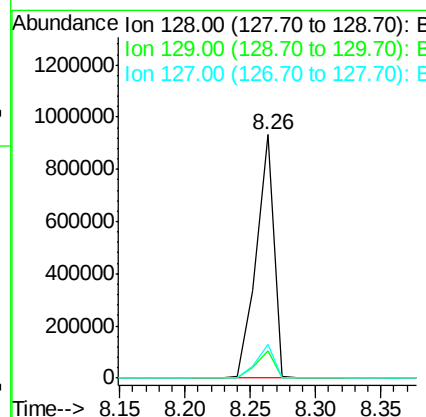
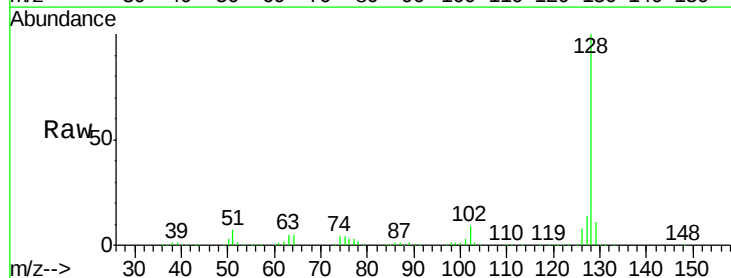
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 MGP205-10-12DL2

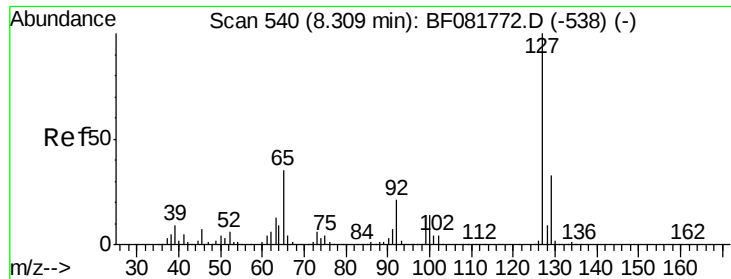
Tot Ion	82	Resp	12338
Ion Ratio	100		
Lower	51.0		
Upper	76.6#		
54	56.6	47.5	71.3



#31
 Naphthalene
 Concen: 21.97 ng
 RT: 8.26 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: BF081781.D
 Acq: 25 Sep 2015 00:02

Tgt Ion	128	Resp	883411
Ion Ratio	100		
Lower	8.4		
Upper	12.6		
129	11.3	9.9	14.9
127	13.7		

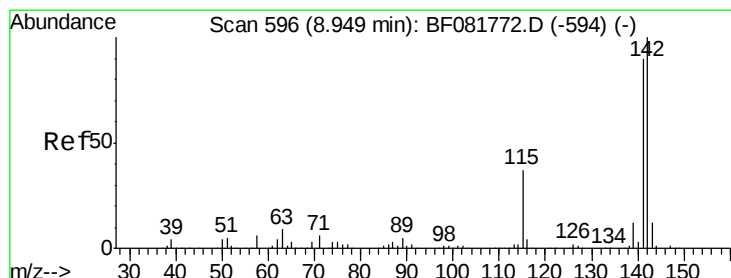
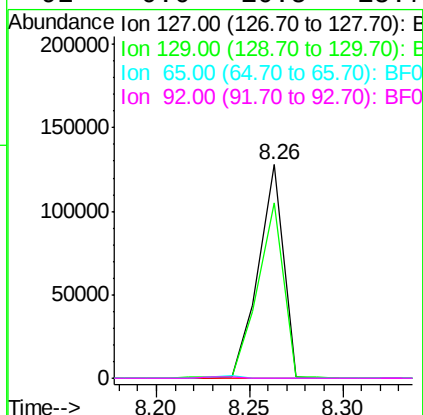
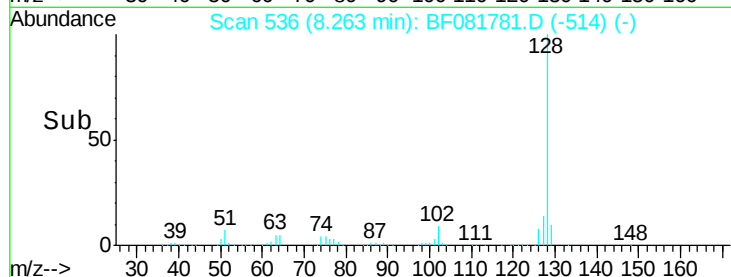
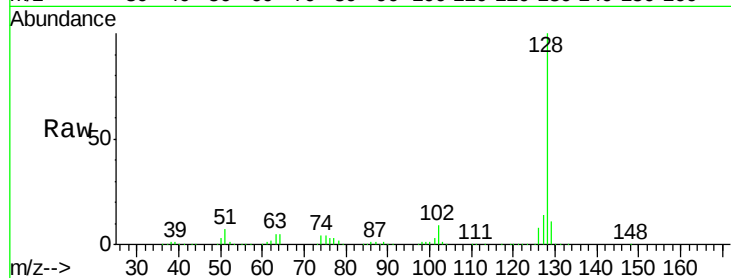




#33
4-Chloroaniline
Concen: 6.77 ng
RT: 8.26 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

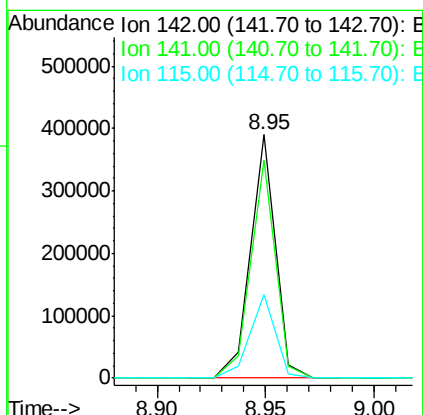
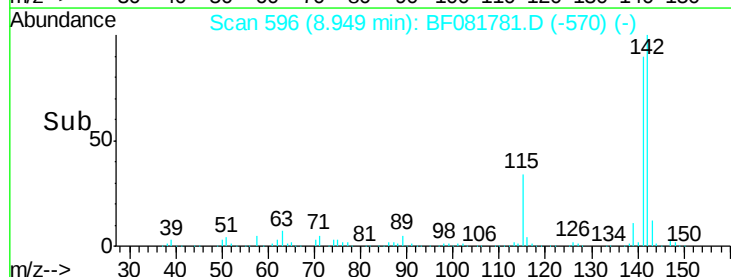
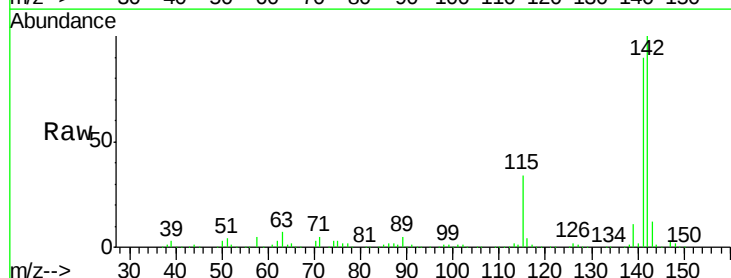
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ClientSampleId :
MGP205-10-12DL2

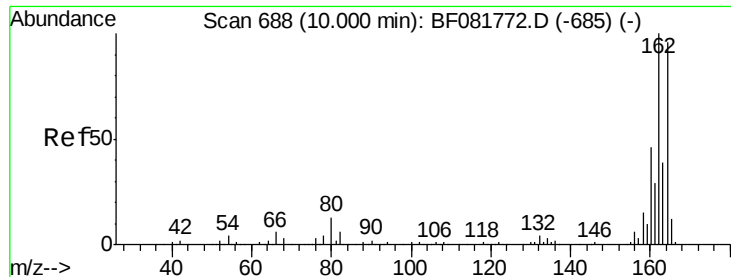
Tot Ion:127	Resp:	119482
Ion Ratio	Lower	Upper
127	100	
129	82.2	25.8 38.6#
65	0.0	17.9 26.9#
92	0.0	10.5 15.7#



#37
2-Methylnaphthalene
Concen: 10.85 ng
RT: 8.95 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion:142	Resp:	311017
Ion Ratio	Lower	Upper
142	100	
141	89.6	67.5 101.3
115	34.2	18.2 27.2#

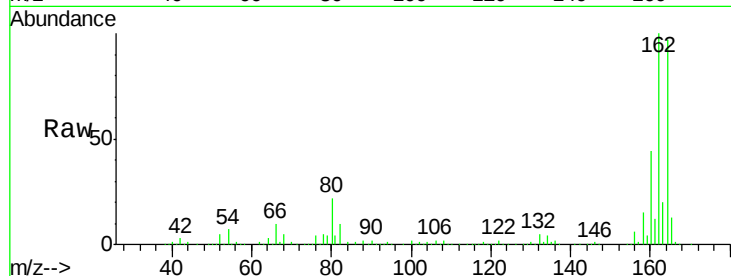




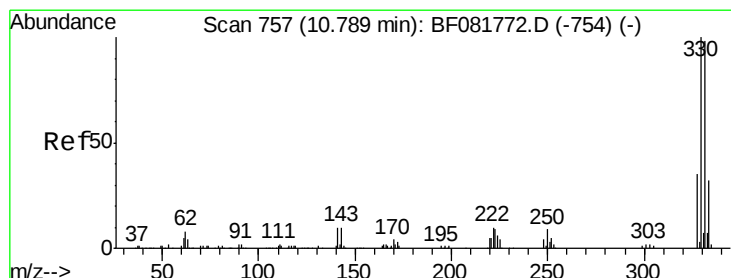
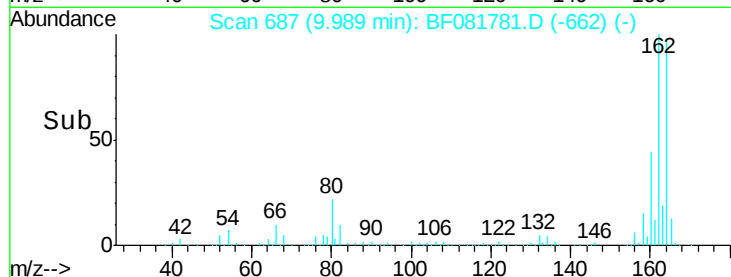
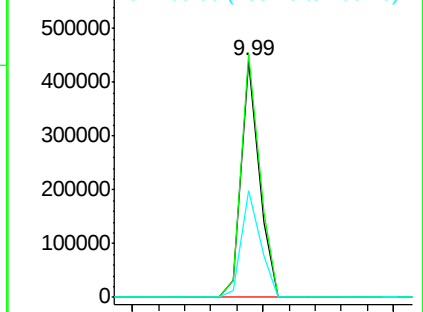
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tot Ion:164 Resp: 420061
Ion Ratio Lower Upper
164 100
162 102.9 75.2 112.8
160 45.3 31.5 47.3

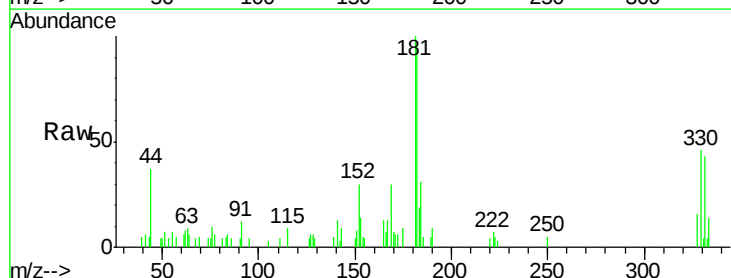


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

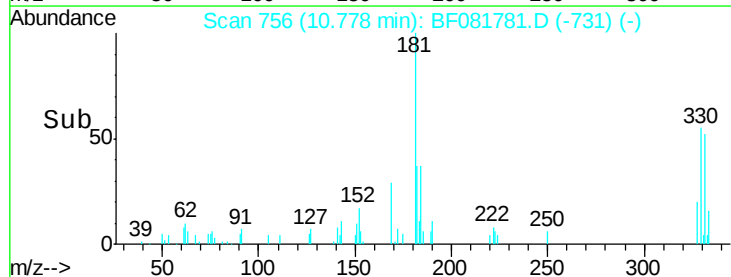
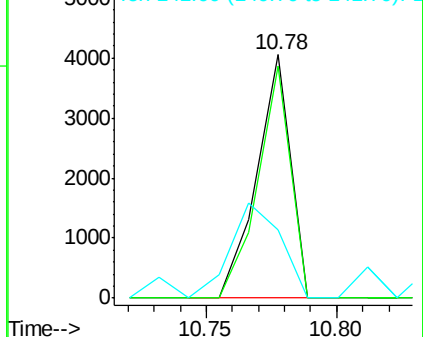


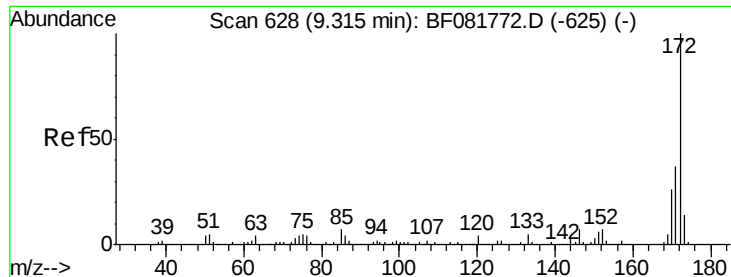
#41
2,4,6-Tribromophenol
Concen: 1.01 ng
RT: 10.78 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion:330 Resp: 3679
Ion Ratio Lower Upper
330 100
332 92.5 76.6 114.8
141 64.6 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

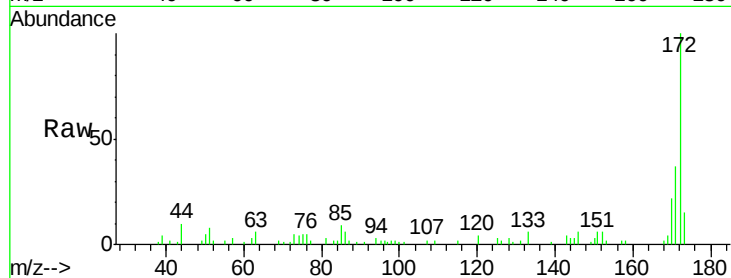




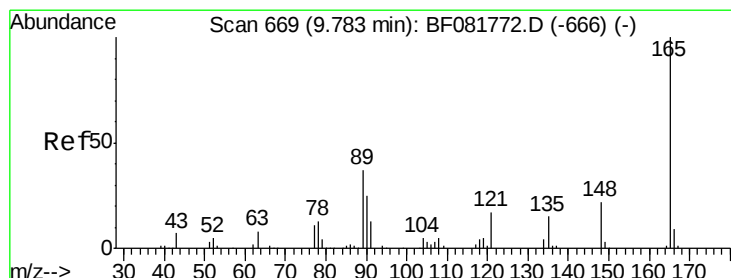
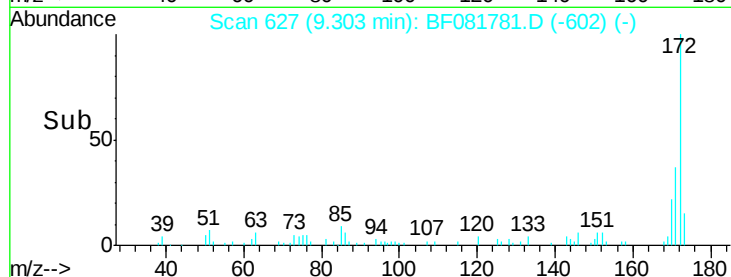
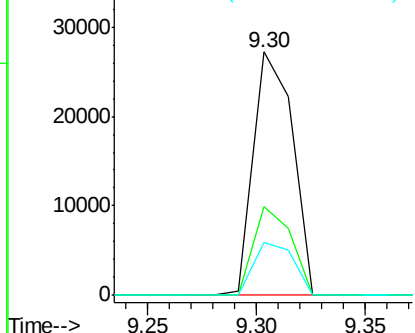
#44
2-Fluorobiphenyl
Concen: 1.34 ng
RT: 9.30 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

Tot Ion:172 Resp: 34235
Ion Ratio Lower Upper
172 100
171 36.5 26.1 39.1
170 21.6 17.4 26.2

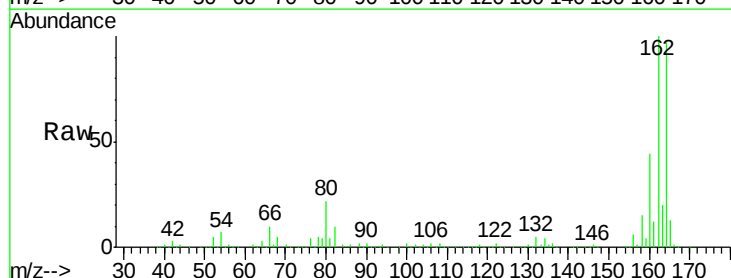


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

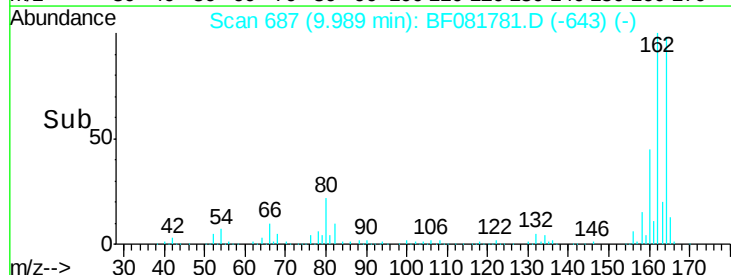
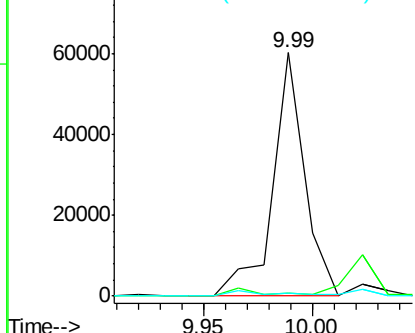


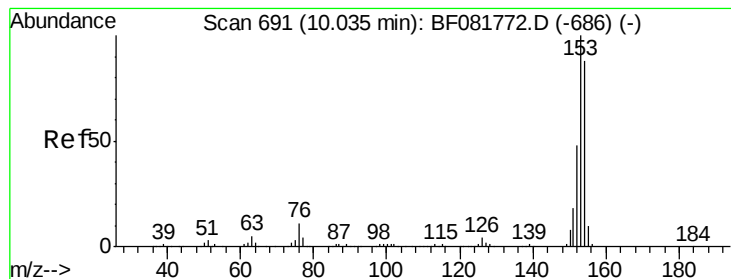
#50
2,6-Dinitrotoluene
Concen: 10.04 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion:165 Resp: 61967
Ion Ratio Lower Upper
165 100
63 1.1 32.3 48.5#
89 1.3 28.6 43.0#



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





#51

Acenaphthene

Concen: 4.00 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

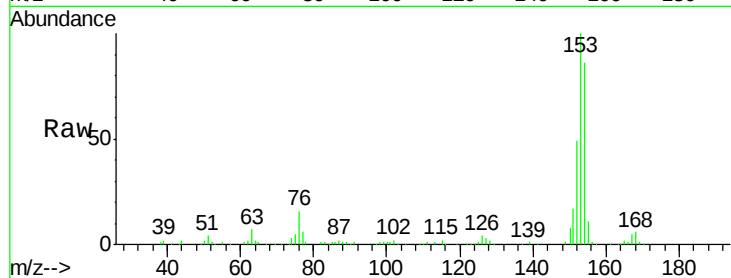
Tot Ion:154 Resp: 102962

Ion Ratio Lower Upper

154 100

153 116.1 82.1 123.1

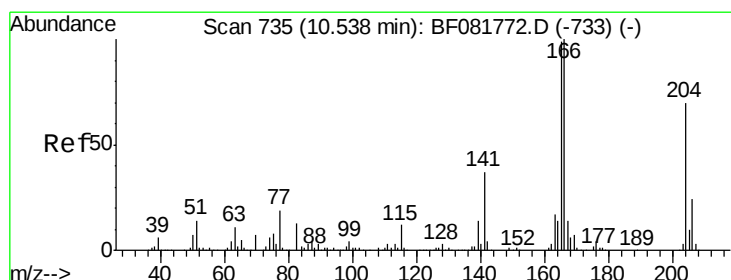
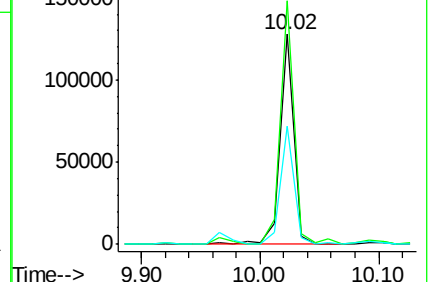
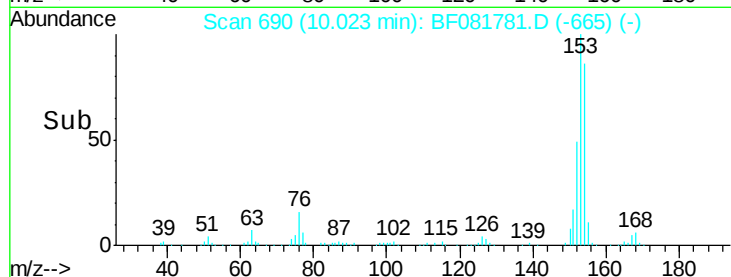
152 56.4 37.9 56.9



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



#57

Fluorene

Concen: 5.89 ng

RT: 10.54 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

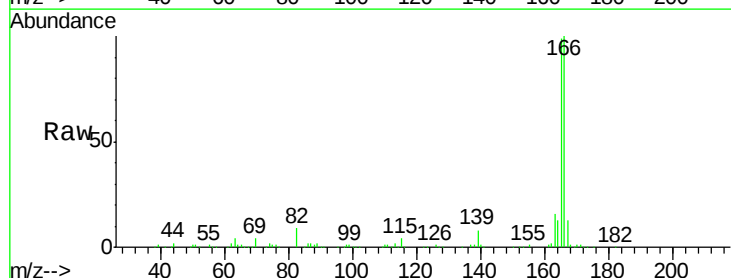
Tgt Ion:166 Resp: 170957

Ion Ratio Lower Upper

166 100

165 99.1 72.6 109.0

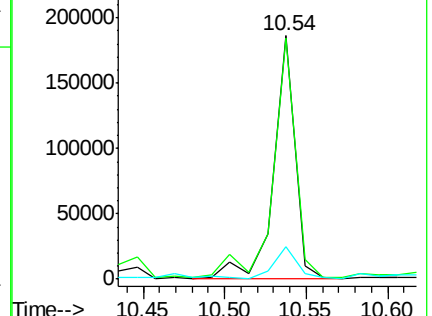
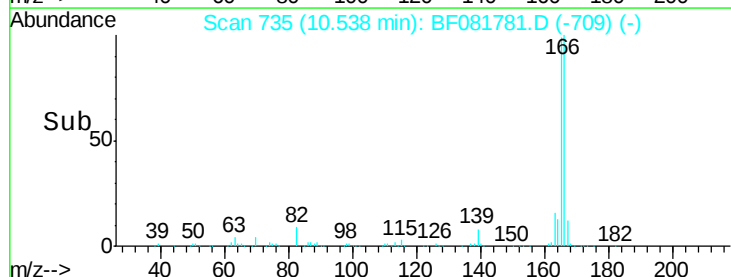
167 13.2 10.6 16.0

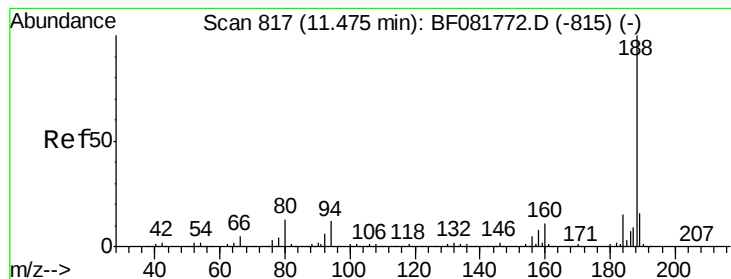


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

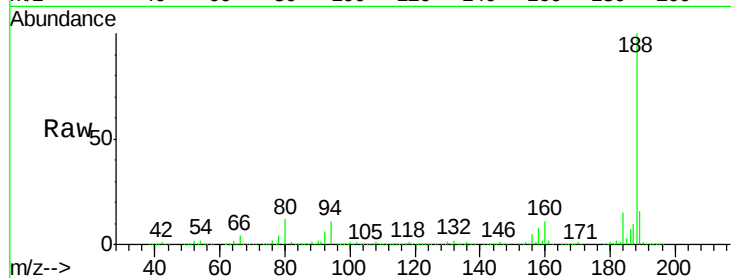
Tot Ion:188 Resp: 775248

Ion Ratio Lower Upper

188 100

94 10.6 11.1 16.7#

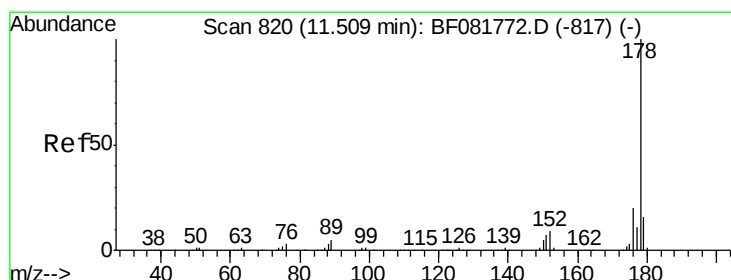
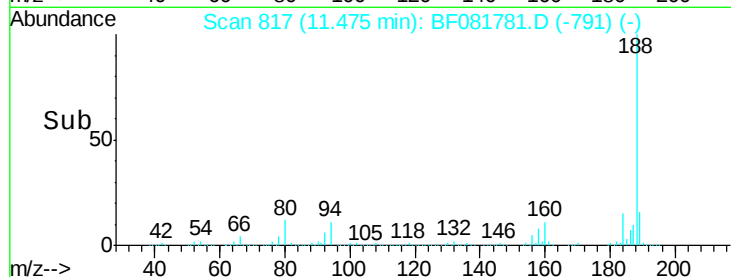
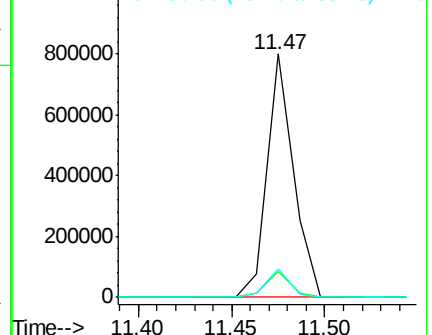
80 11.7 11.0 16.4



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



#70

Phenanthrene

Concen: 14.74 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

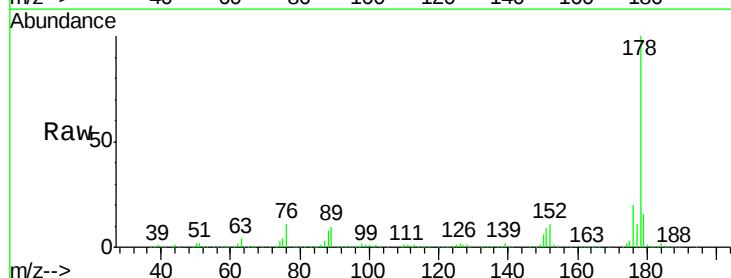
Tgt Ion:178 Resp: 653308

Ion Ratio Lower Upper

178 100

176 20.1 13.8 20.8

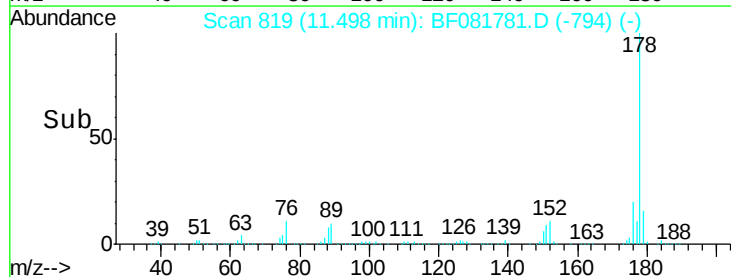
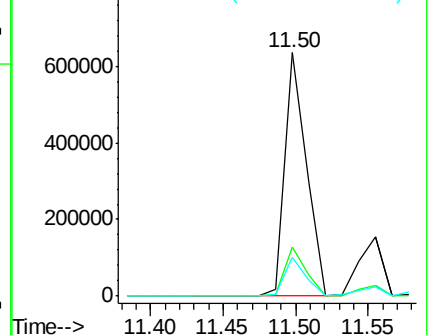
179 16.2 12.2 18.2

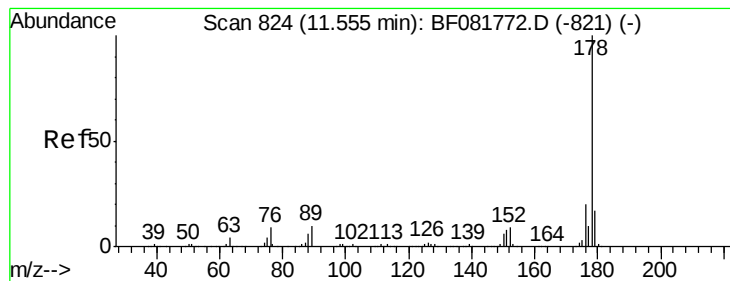


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.99 ng

RT: 11.55 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

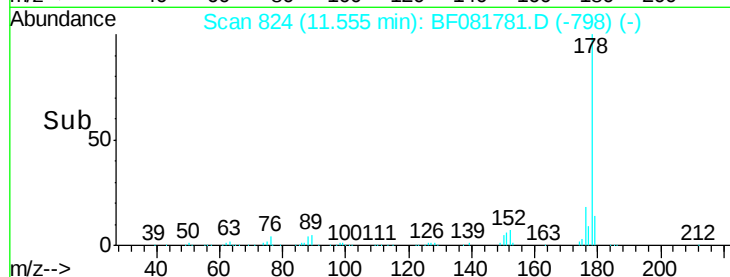
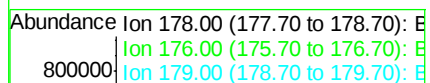
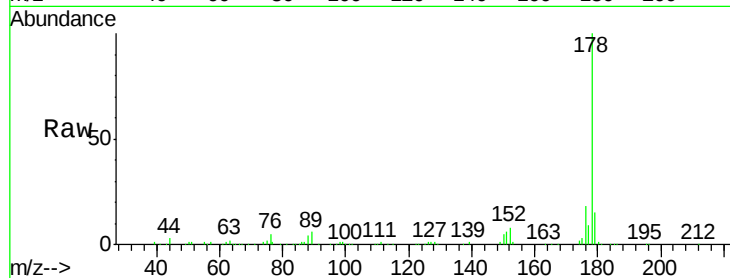
Tot Ion:178 Resp: 170597

Ion Ratio Lower Upper

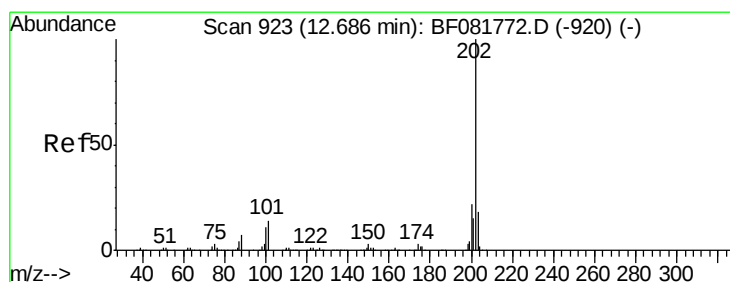
178 100

176 17.8 14.1 21.1

179 15.2 12.2 18.2



Time-->



#74

Fluoranthene

Concen: 5.72 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

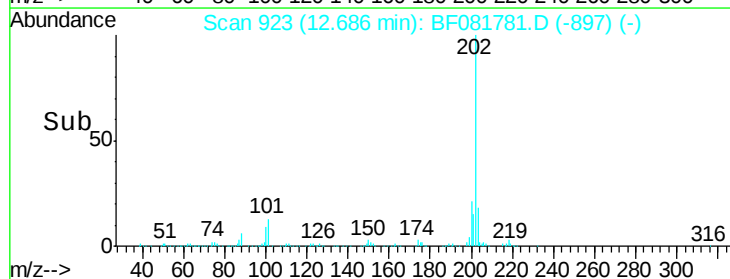
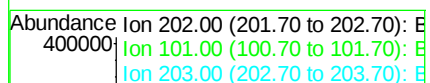
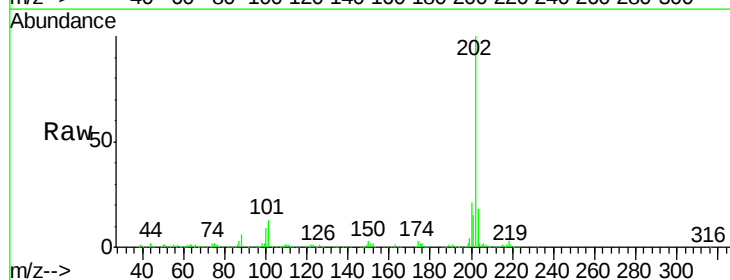
Tgt Ion:202 Resp: 255621

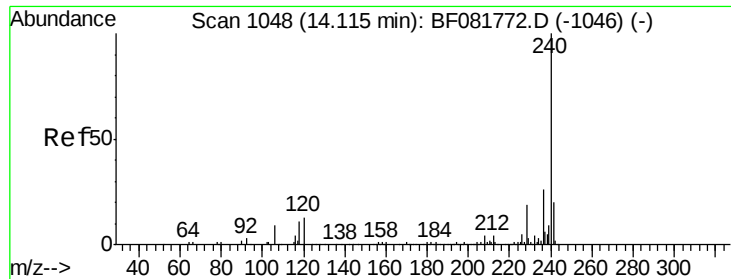
Ion Ratio Lower Upper

202 100

101 13.0 0.0 38.3

203 18.1 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: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

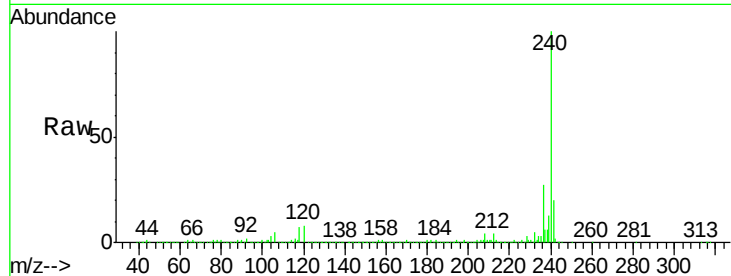
Tot Ion:240 Resp: 631306

Ion Ratio Lower Upper

240 100

120 8.1 16.2 24.2#

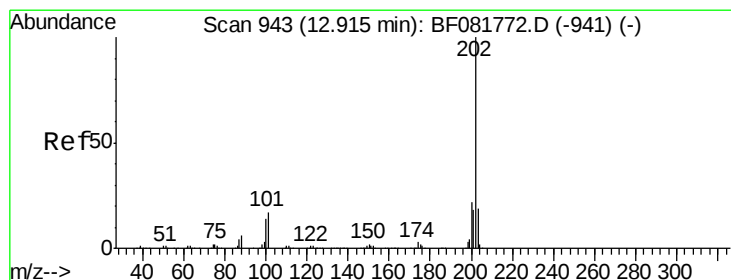
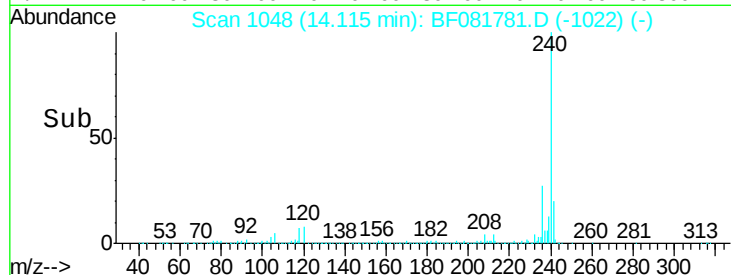
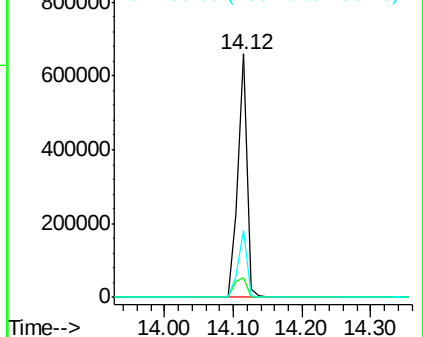
236 27.3 18.4 27.6



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: 8.12 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

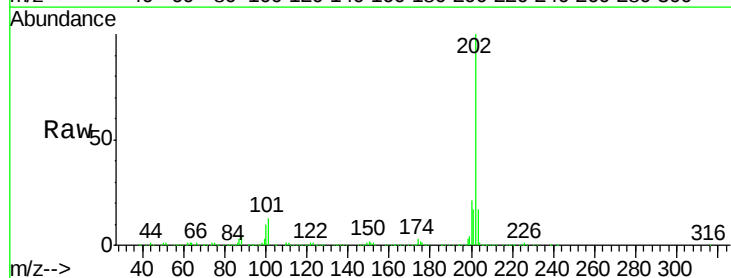
Tgt Ion:202 Resp: 386703

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

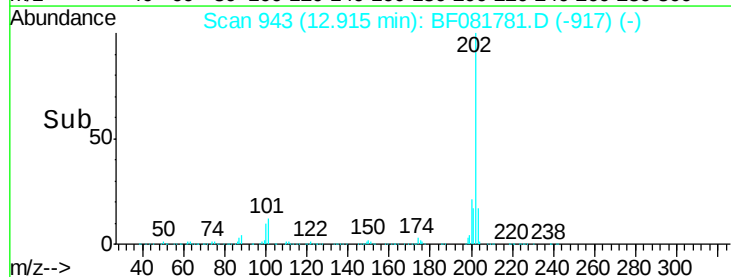
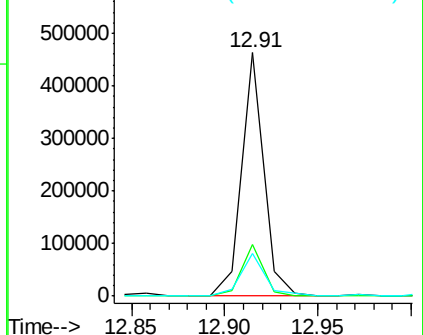
203 17.3 14.1 21.1

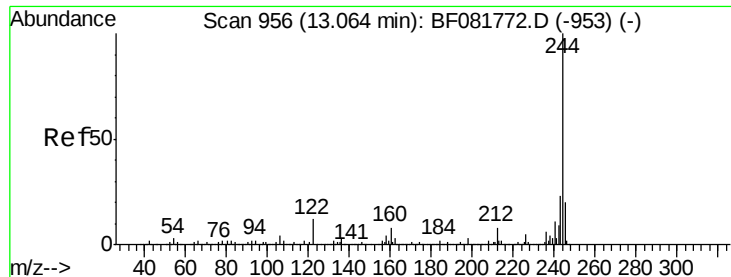


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.21 ng

RT: 13.05 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

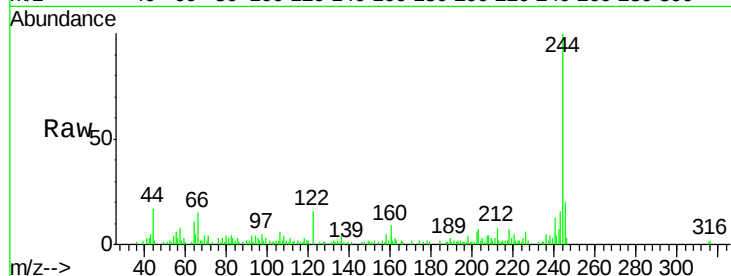
Tot Ion:244 Resp: 33395

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

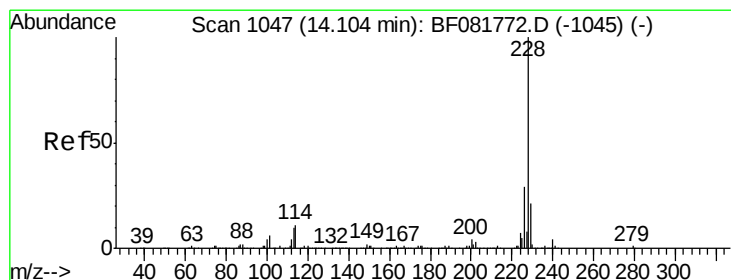
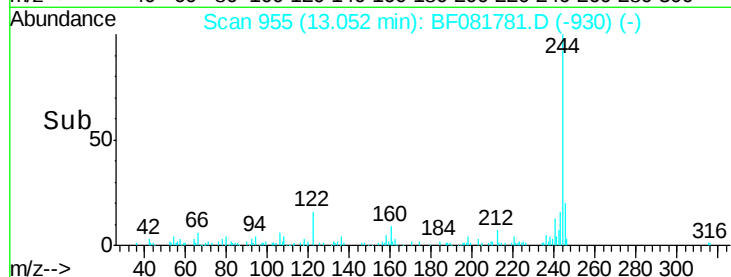
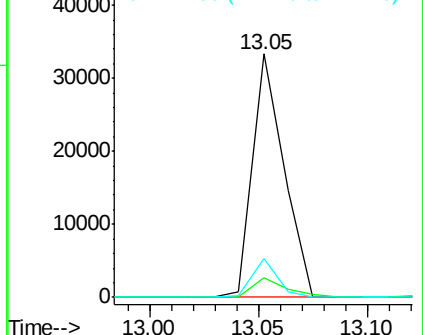
122 15.7 17.4 26.2#



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: 2.36 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.03 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

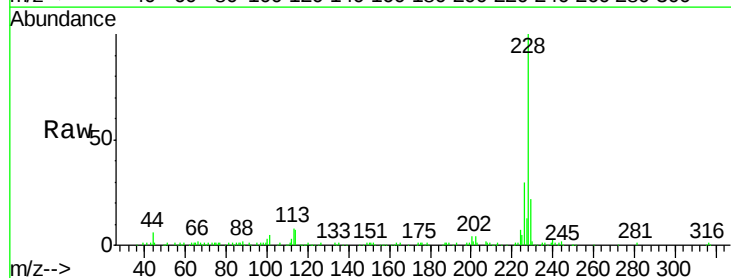
Tgt Ion:228 Resp: 90183

Ion Ratio Lower Upper

228 100

226 29.9 20.0 30.0

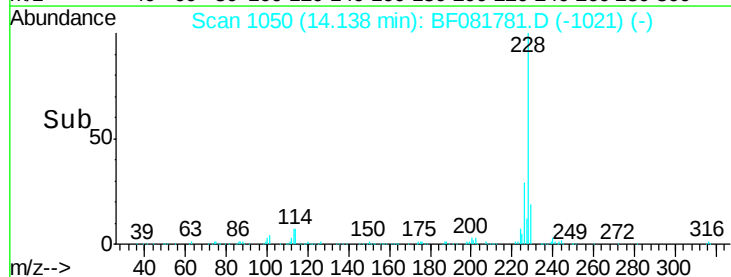
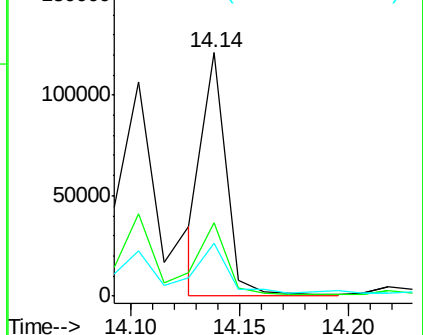
229 21.5 15.4 23.2

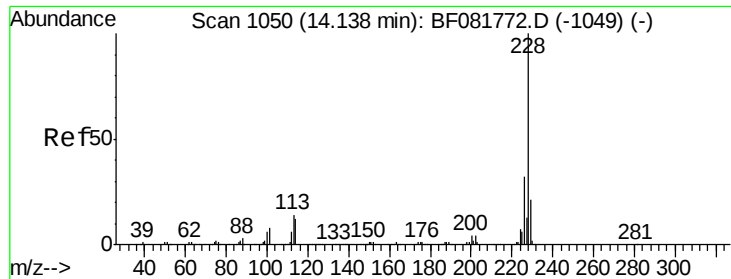


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.46 ng

RT: 14.14 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

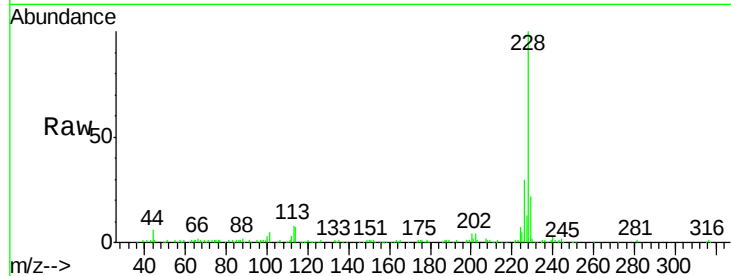
Tot Ion:228 Resp: 90183

Ion Ratio Lower Upper

228 100

226 29.9 21.0 31.4

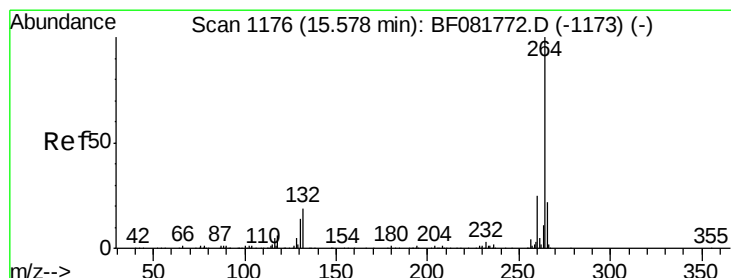
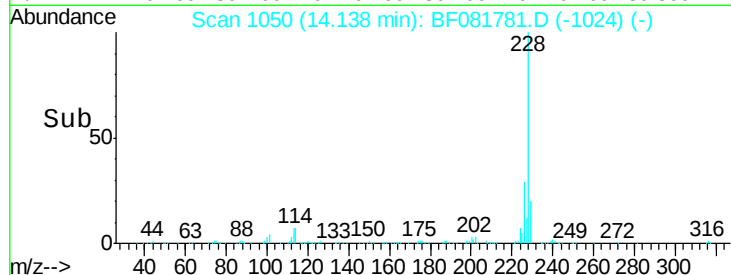
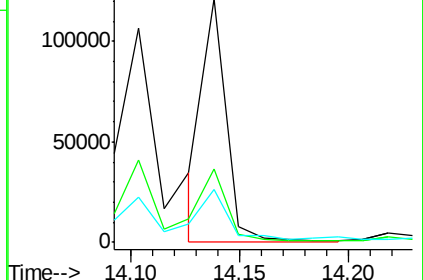
229 21.5 15.6 23.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.58 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

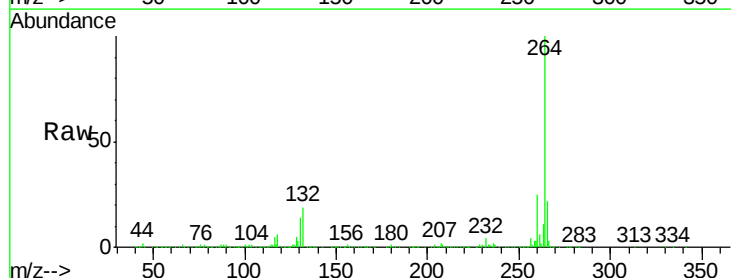
Tgt Ion:264 Resp: 482810

Ion Ratio Lower Upper

264 100

260 25.3 16.7 25.1#

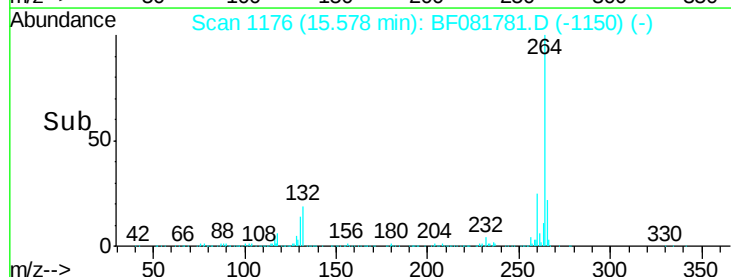
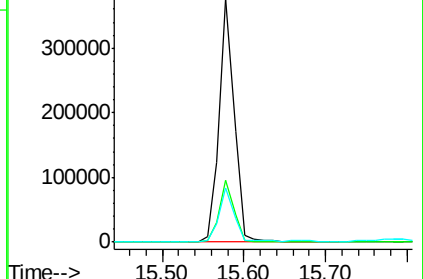
265 22.2 17.2 25.8

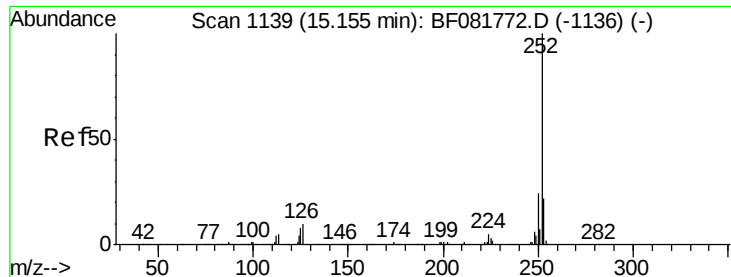


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

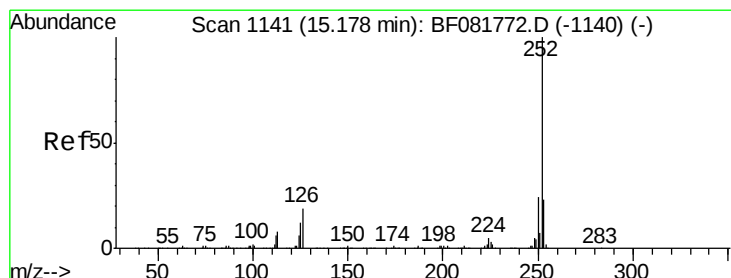
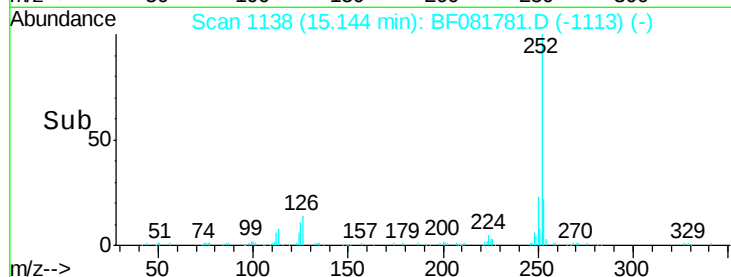
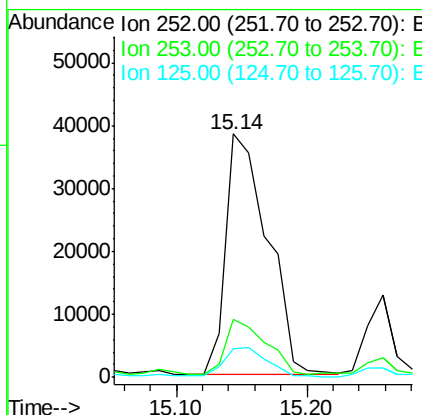
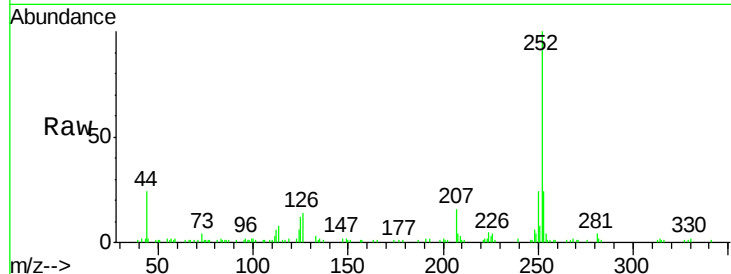




#87
Benzo(b)fluoranthene
Concen: 2.98 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

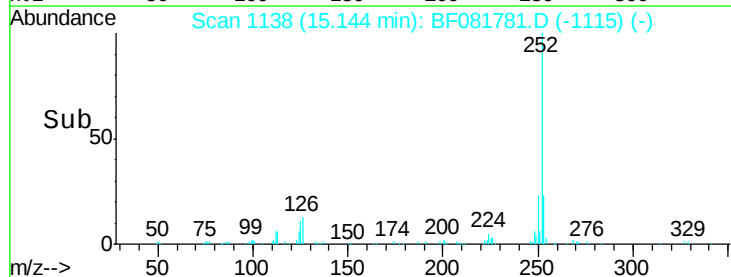
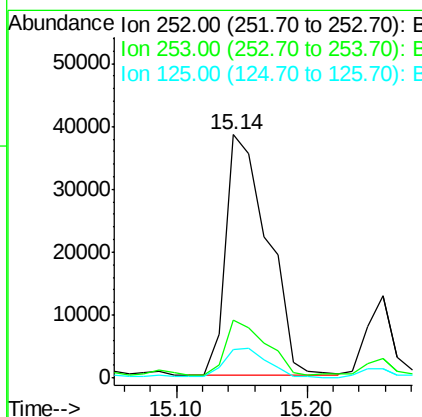
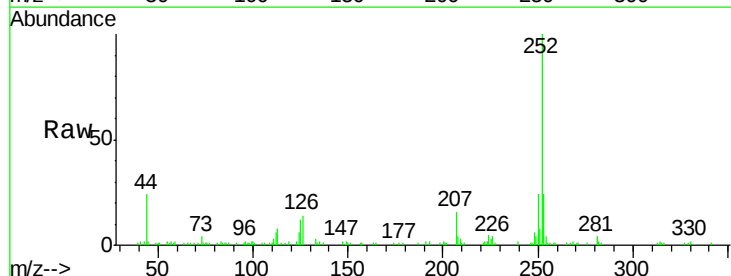
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12DL2

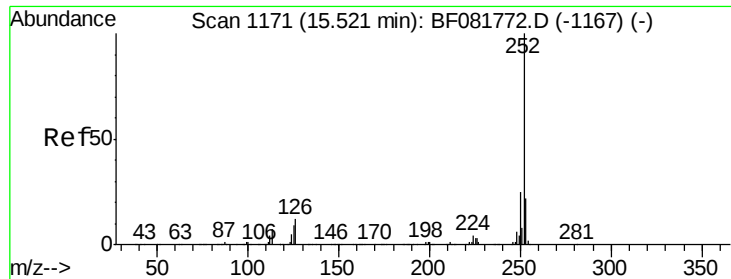
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.8	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 3.11 ng
RT: 15.14 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF081781.D
Acq: 25 Sep 2015 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	11.8	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 2.76 ng

RT: 15.51 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF081781.D

Acq: 25 Sep 2015 00:02

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12DL2

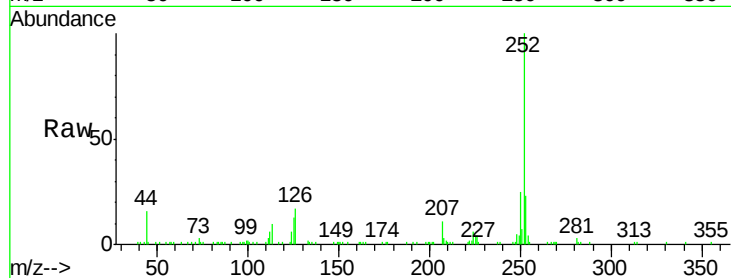
Tot Ion:252 Resp: 71434

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 12.6 18.0 27.0#



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

