

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
 Data File : BF079927.D
 Acq On : 12 Jun 2015 8:13
 Operator : TP/IZ
 Sample : G2449-04 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM3

Quant Time: Jun 12 13:47:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 13:46:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	55245	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	237907	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	124730	20.00	ng	0.00
63) Phenanthrene-d10	11.97	188	268654	20.00	ng	0.00
75) Chrysene-d12	14.95	240	290498	20.00	ng	0.10
86) Perylene-d12	16.87	264	292484	20.00	ng	0.16

System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	85375	28.34	ng	0.00
7) Phenol-d6	6.99	99	115253	28.08	ng	0.00
23) Nitrobenzene-d5	7.94	82	52732	14.62	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	22750	20.67	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	150456	16.89	ng	0.00
78) Terphenyl-d14	13.66	244	169757	13.47	ng	0.05

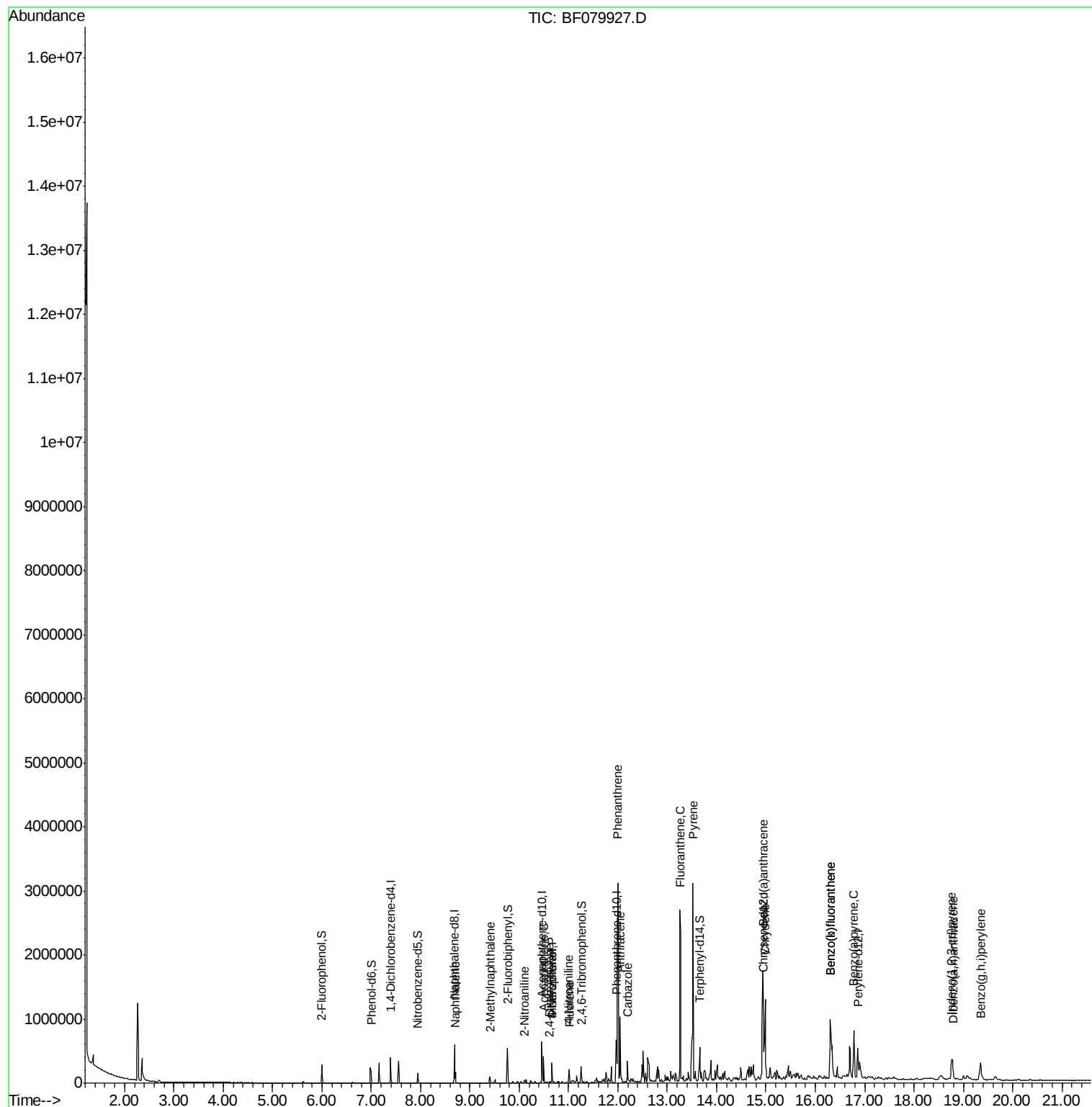
Target Compounds				Qvalue		
31) Naphthalene	8.71	128	67970	5.23	ng	99
37) 2-Methylnaphthalene	9.40	142	25929	2.95	ng	94
47) 2-Nitroaniline	10.10	65	273	4.42	ng	# 14
51) Acenaphthene	10.49	154	82446	10.00	ng	97
54) Dibenzofuran	10.66	168	111187	9.23	ng	95
55) 4-Nitrophenol	10.66	139	38992	26.22	ng	# 1
56) 2,4-Dinitrotoluene	10.62	165	1364	5.32	ng	# 46
57) Fluorene	11.02	166	82268	7.83	ng	97
61) 4-Nitroaniline	11.00	138	859	3.46	ng	# 19
70) Phenanthrene	12.00	178	1494875	93.36	ng	99
71) Anthracene	12.05	178	391130	25.24	ng	99
72) Carbazole	12.19	167	117665	7.83	ng	99
74) Fluoranthene	13.27	202	1593676	90.04	ng	97
77) Pyrene	13.52	202	1349967	73.99	ng	97
80) Benzo(a)anthracene	14.94	228	730322	39.59	ng	98
82) Chrysene	14.98	228	542828	32.95	ng	98
85) Indeno(1,2,3-cd)pyrene	18.77	276	288844	14.95	ng	92
87) Benzo(b)fluoranthene	16.31	252	908521	50.69	ng	# 96
88) Benzo(k)fluoranthene	16.31	252	908521	49.71	ng	97
89) Benzo(a)pyrene	16.78	252	500696	29.38	ng	96
90) Dibenzo(a,h)anthracene	18.79	278	74154	4.43	ng	97
91) Benzo(g,h,i)perylene	19.35	276	286107	16.50	ng	98

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

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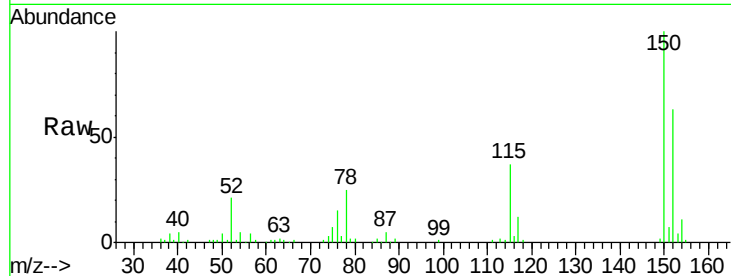




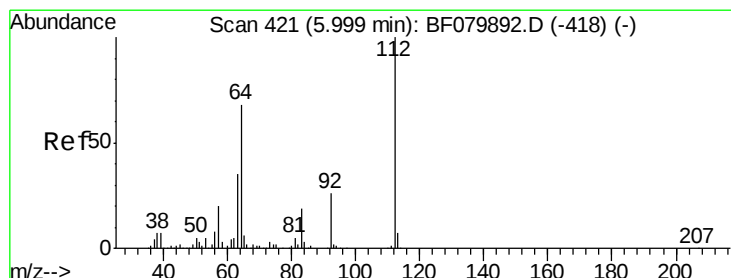
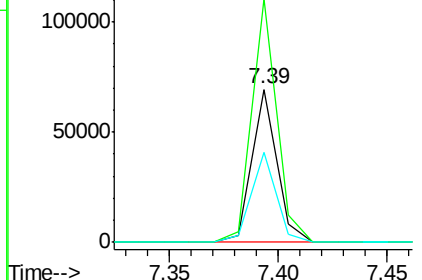
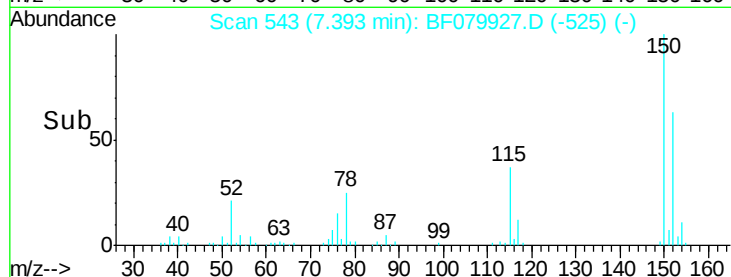
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

Instrument :
 BNA_F
 ClientSampled :
 FM3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	131.0	196.4
115	58.6	49.8	74.6

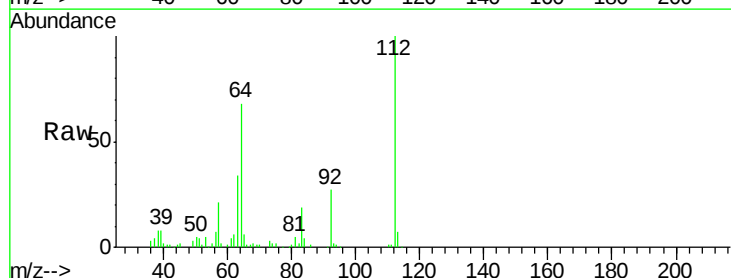


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

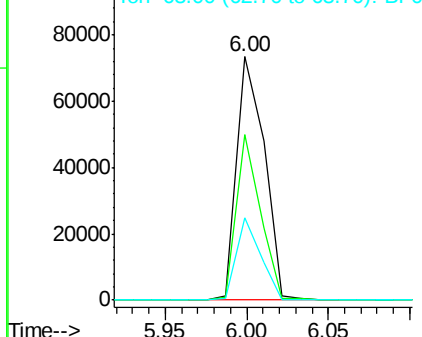
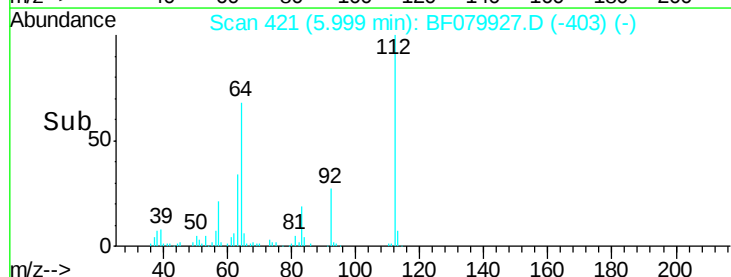


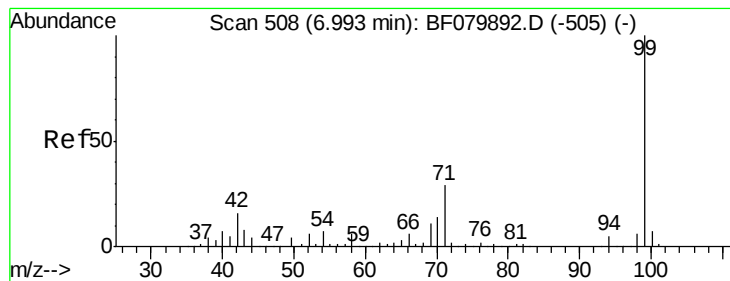
#5
 2-Fluorophenol
 Concen: 28.34 ng
 RT: 6.00 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.5	81.7
63	33.6	27.9	41.9



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: 28.08 ng

RT: 6.99 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampled :

FM3

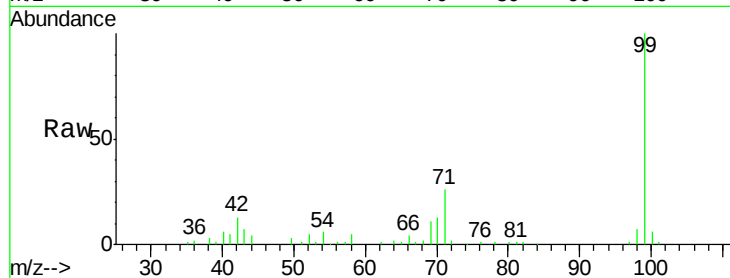
Tot Ion: 99 Resp: 115253

Ion Ratio Lower Upper

99 100

42 13.5 12.9 19.3

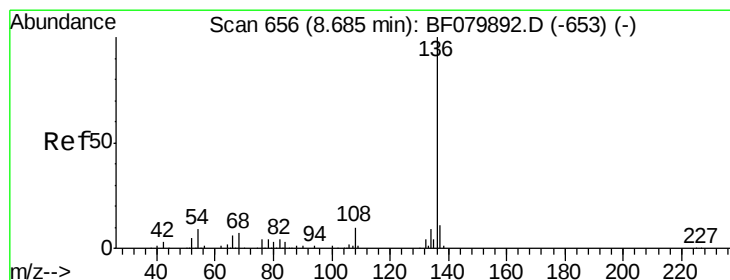
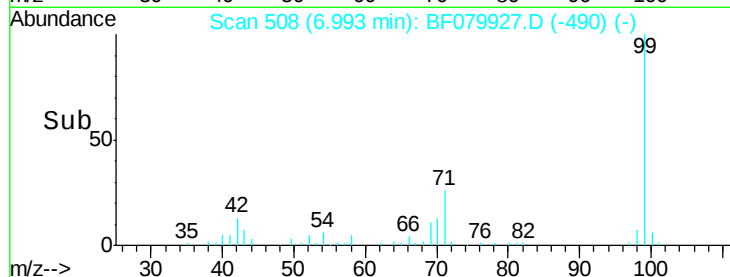
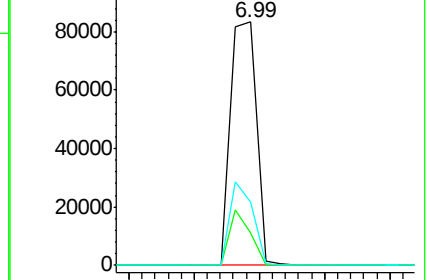
71 26.2 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF079892.D (-505) (-)

Ion 42.00 (41.70 to 42.70): BF079892.D (-505) (-)

Ion 71.00 (70.70 to 71.70): BF079892.D (-505) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Tgt Ion: 136 Resp: 237907

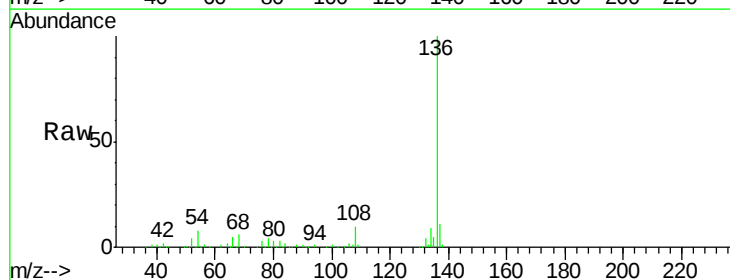
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.4 7.3 10.9

68 6.3 5.9 8.9

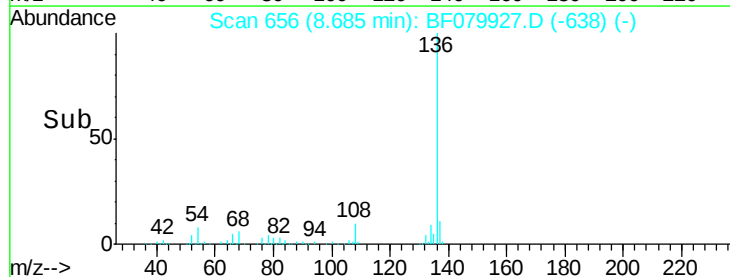
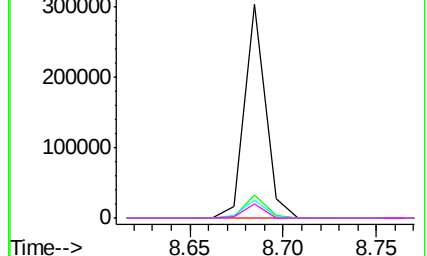


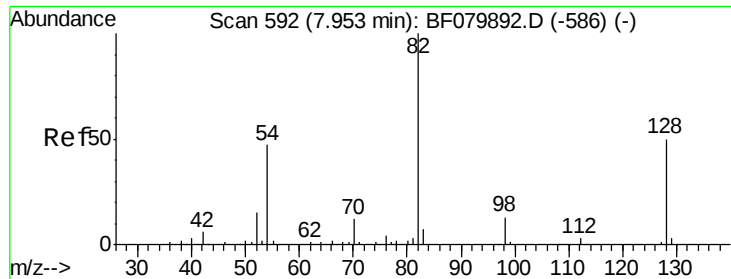
Abundance Ion 136.00 (135.70 to 136.70): BF079892.D (-653) (-)

Ion 137.00 (136.70 to 137.70): BF079892.D (-653) (-)

Ion 54.00 (53.70 to 54.70): BF079892.D (-653) (-)

Ion 68.00 (67.70 to 68.70): BF079892.D (-653) (-)

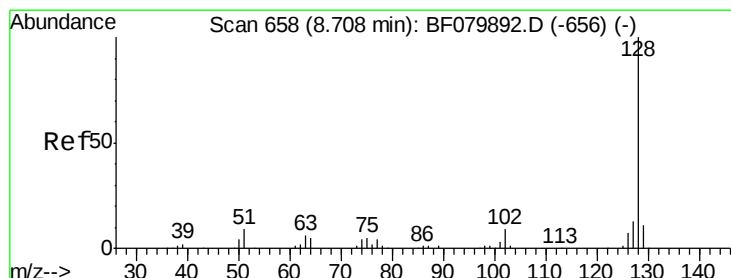
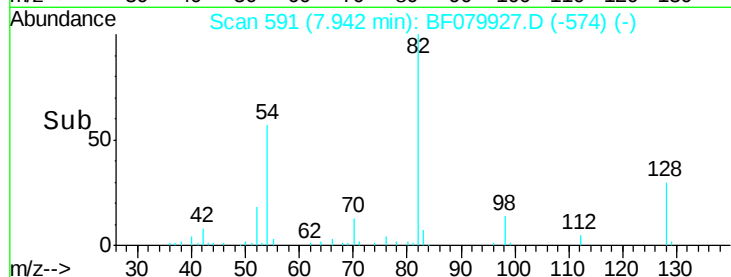
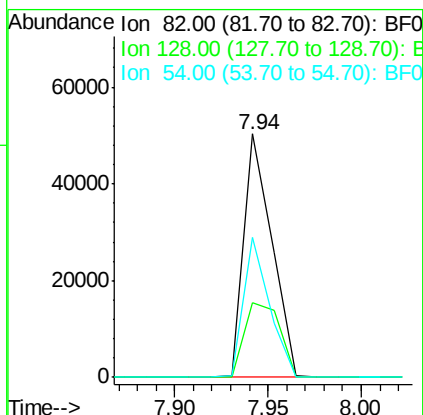
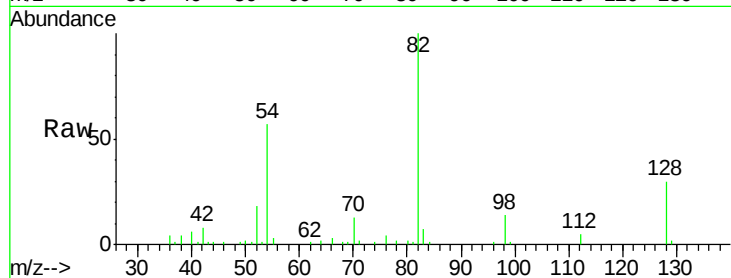




#23
 Nitrobenzene-d5
 Concen: 14.62 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

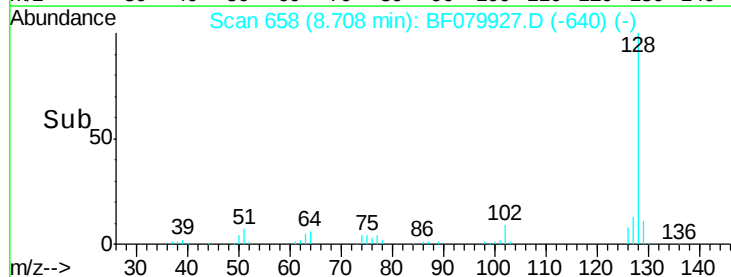
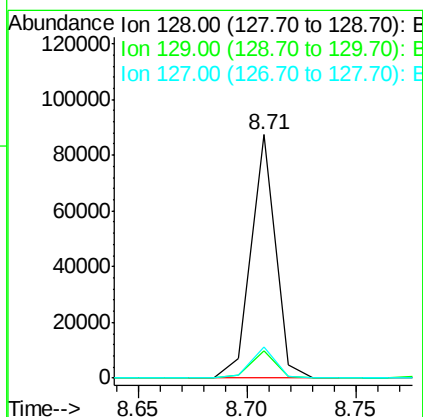
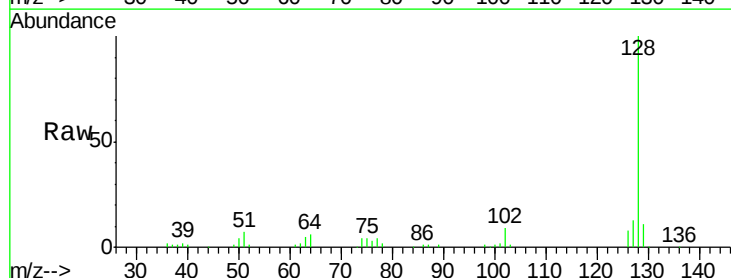
Instrument :
 BNA_F
 ClientSampleId :
 FM3

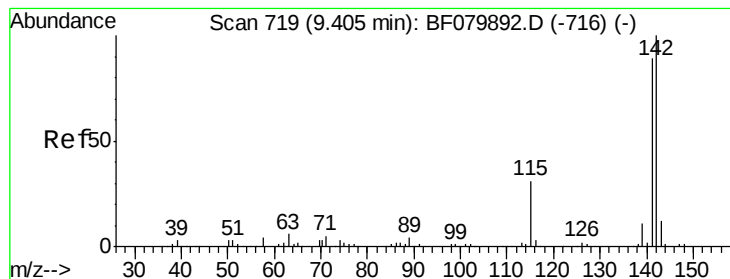
Tot Ion	82	Resp	52732
Ion Ratio	100	Lower	Upper
128	30.4	40.3	60.5#
54	57.2	38.0	57.0#



#31
 Naphthalene
 Concen: 5.23 ng
 RT: 8.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

Tgt Ion	128	Resp	67970
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	11.0	8.8	13.2
127	12.6	10.5	15.7





#37

2-Methylnaphthalene

Concen: 2.95 ng

RT: 9.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

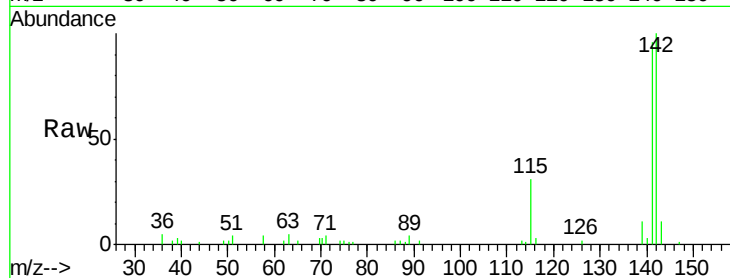
Tot Ion:142 Resp: 25929

Ion Ratio Lower Upper

142 100

141 96.3 70.9 106.3

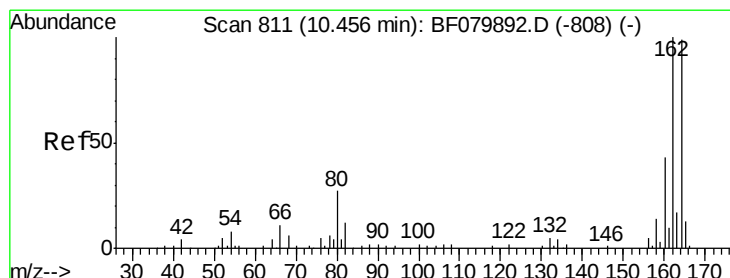
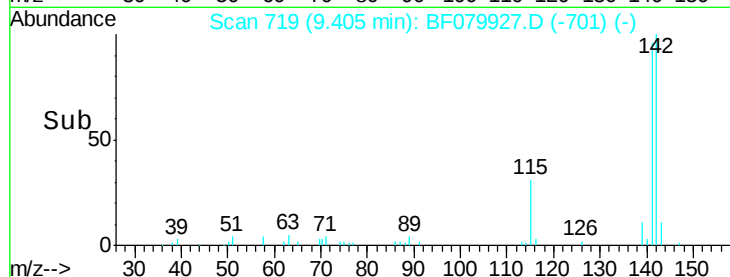
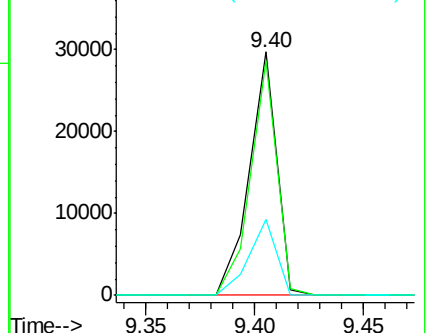
115 31.1 25.0 37.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.46 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

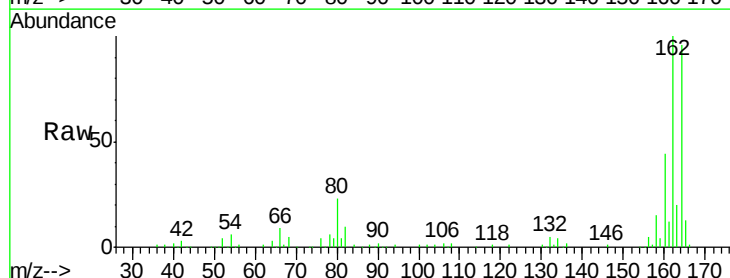
Tgt Ion:164 Resp: 124730

Ion Ratio Lower Upper

164 100

162 103.7 80.7 121.1

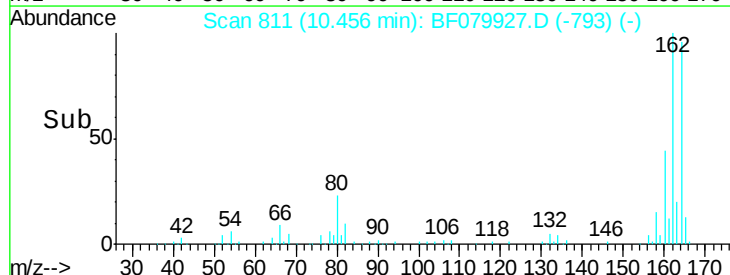
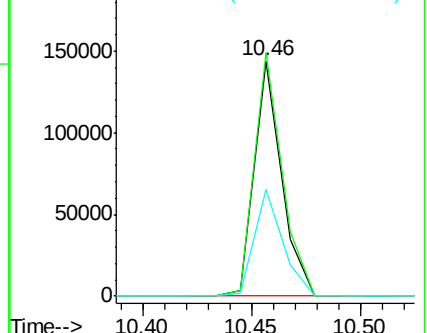
160 45.4 34.6 51.8

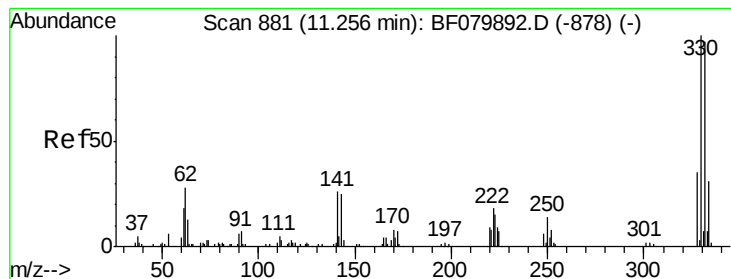


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

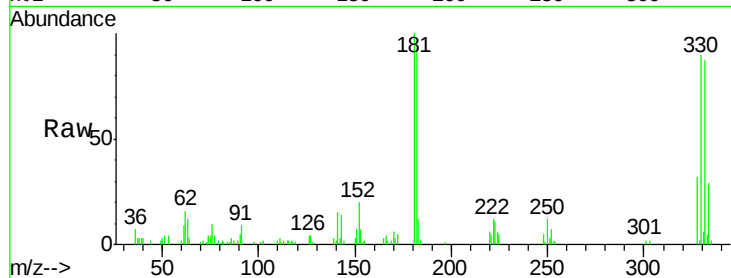




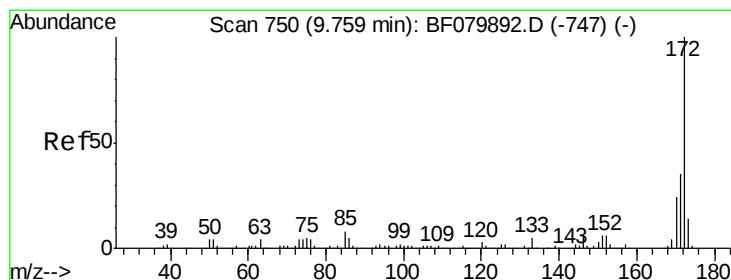
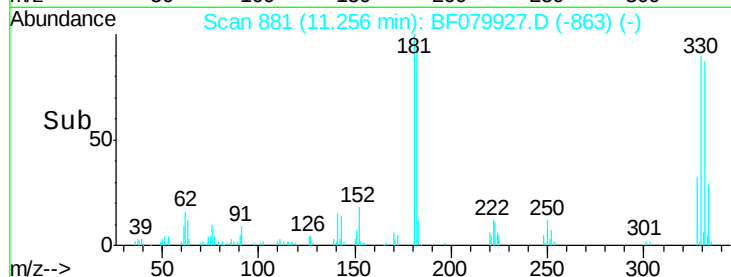
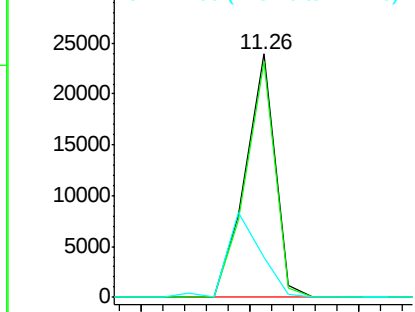
#41
 2,4,6-Tribromophenol
 Concen: 20.67 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 FM3

Tot Ion:330 Resp: 22750
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.3 115.9
 141 39.2 26.8 40.2

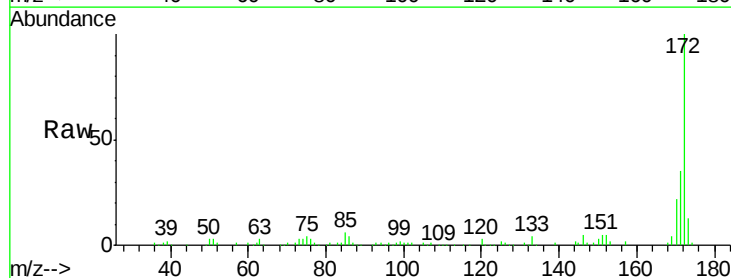


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

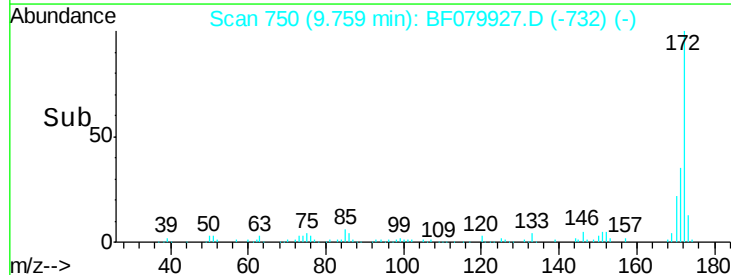
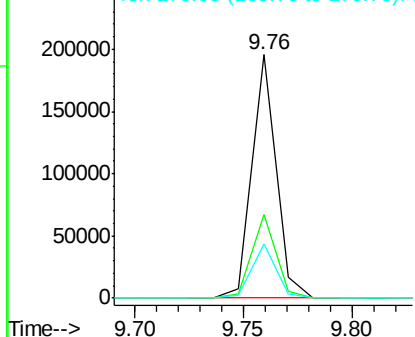


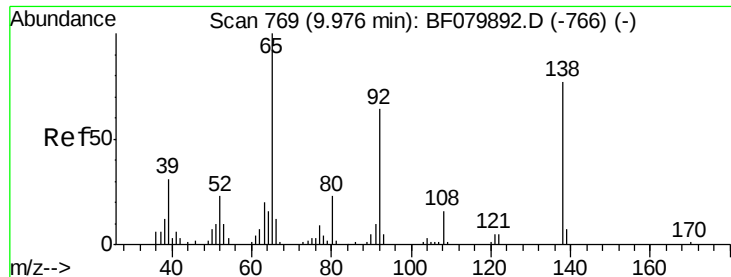
#44
 2-Fluorobiphenyl
 Concen: 16.89 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079927.D
 Acq: 12 Jun 2015 8:13

Tgt Ion:172 Resp: 150456
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.3 42.5
 170 22.4 19.0 28.4



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

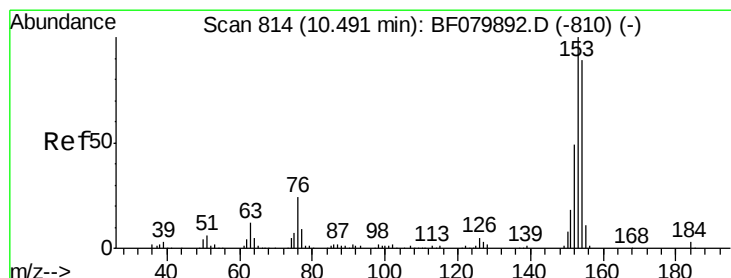
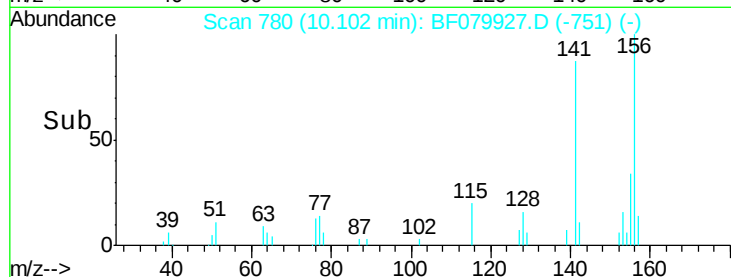
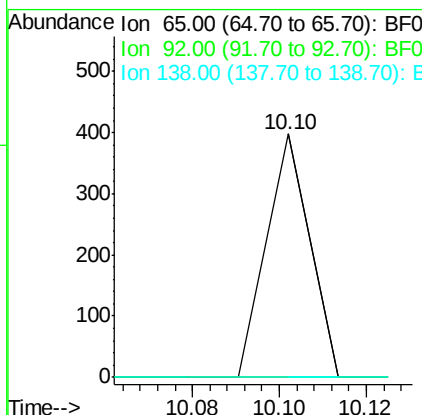
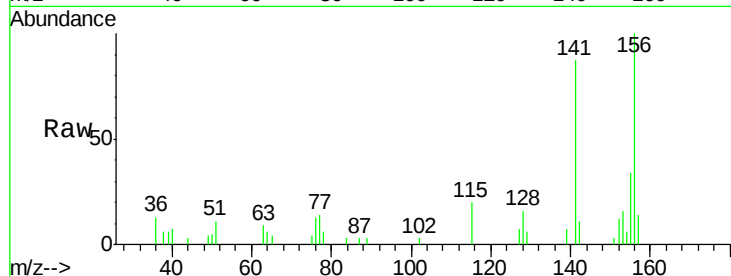




#47
2-Nitroaniline
Concen: 4.42 ng
RT: 10.10 min Scan# 780
Delta R.T. 0.13 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

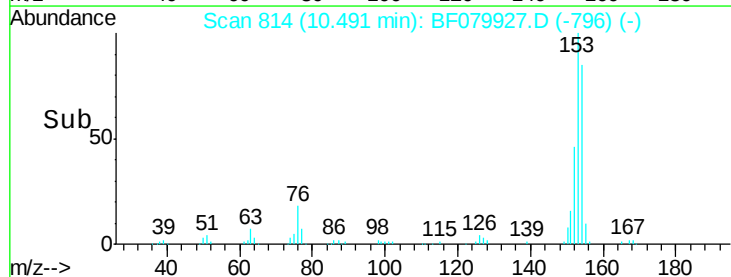
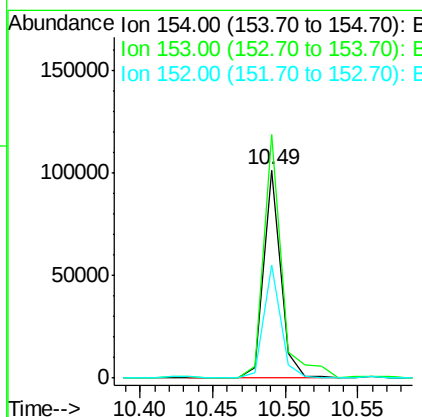
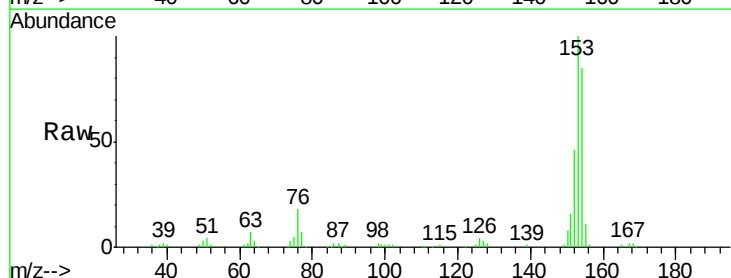
Instrument :
BNA_F
ClientSampled :
FM3

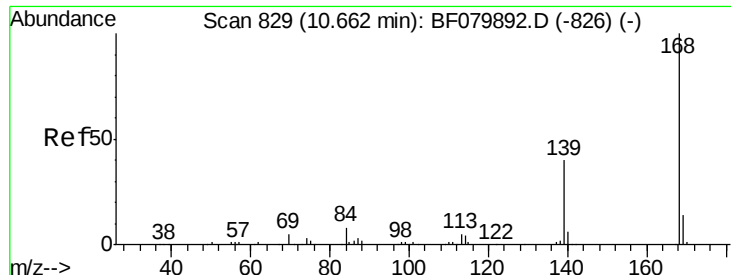
Tot Ion: 65 Resp: 273
Ion Ratio Lower Upper
65 100
92 0.0 51.1 76.7#
138 0.0 62.0 93.0#



#51
Acenaphthene
Concen: 10.00 ng
RT: 10.49 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion: 154 Resp: 82446
Ion Ratio Lower Upper
154 100
153 117.1 90.0 135.0
152 54.2 43.7 65.5

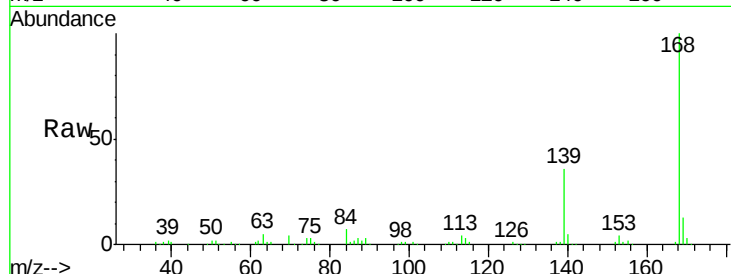




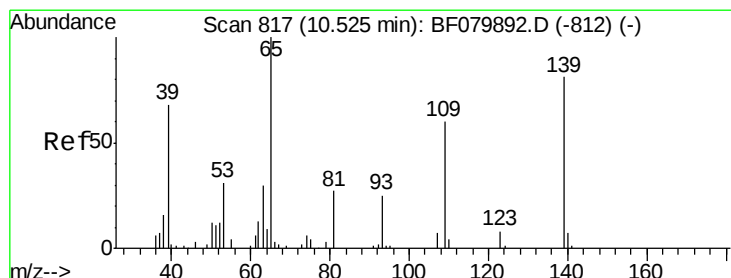
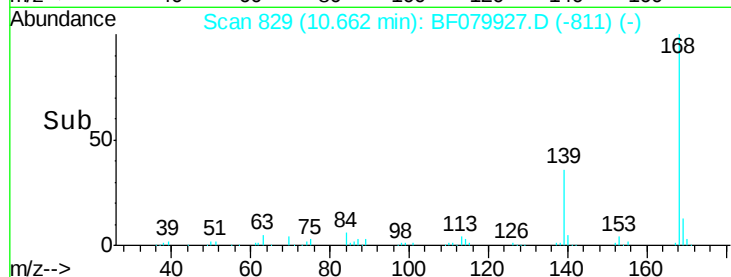
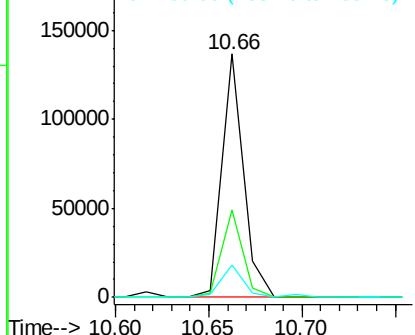
#54
Dibenzenofuran
Concen: 9.23 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Instrument :
BNA_F
ClientSampleId :
FM3

Tot Ion:168 Resp: 111187
Ion Ratio Lower Upper
168 100
139 36.1 32.2 48.2
169 13.4 11.0 16.6

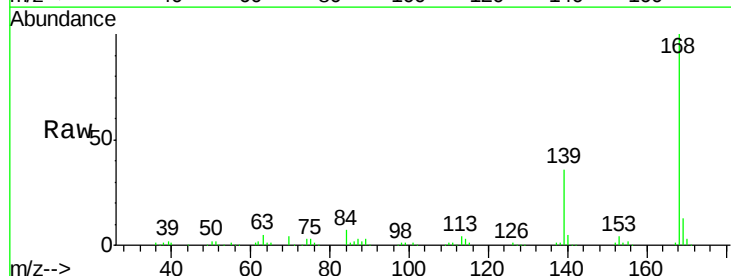


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

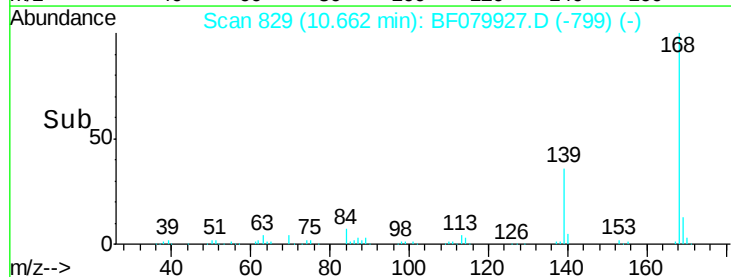
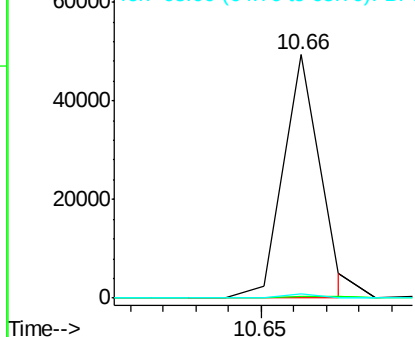


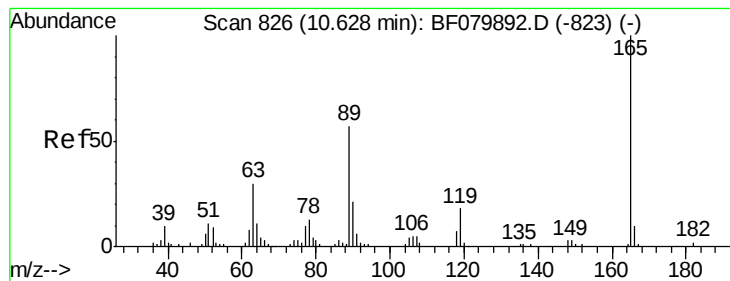
#55
4-Nitrophenol
Concen: 26.22 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.14 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:139 Resp: 38992
Ion Ratio Lower Upper
139 100
109 0.7 54.8 94.8#
65 1.6 104.8 144.8#



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





#56

2,4-Dinitrotoluene

Concen: 5.32 ng

RT: 10.62 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

Tot Ion:165 Resp: 1364

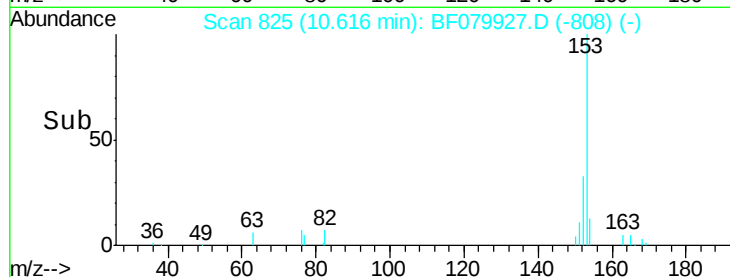
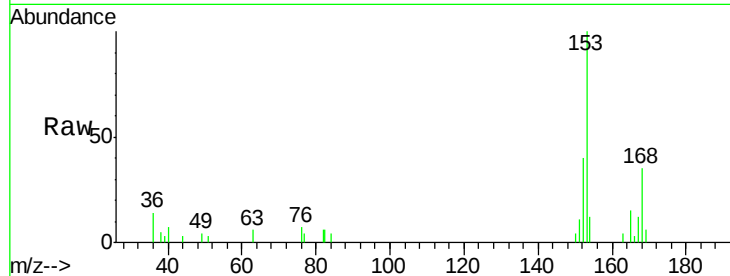
Ion Ratio Lower Upper

165 100

63 38.2 24.3 36.5#

89 0.0 45.4 68.2#

182 0.0 1.8 2.8#

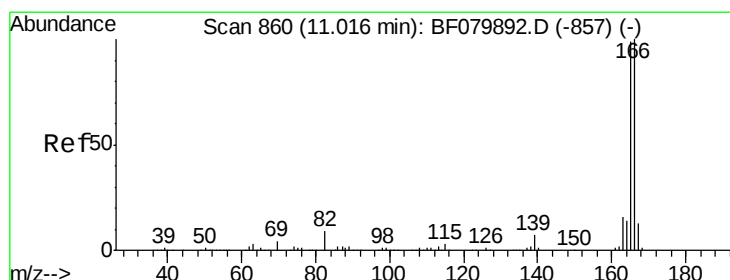
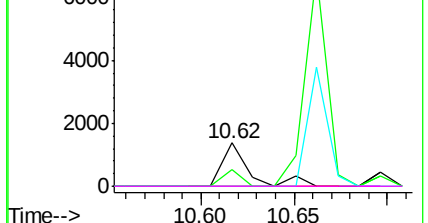


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 7.83 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

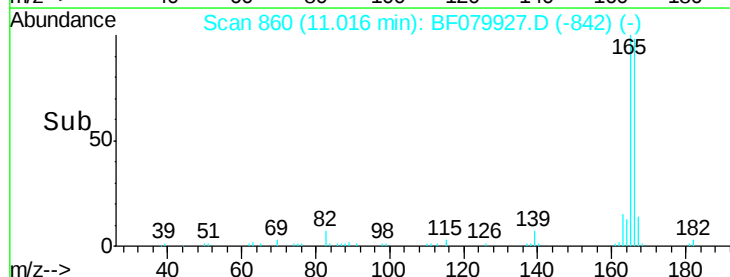
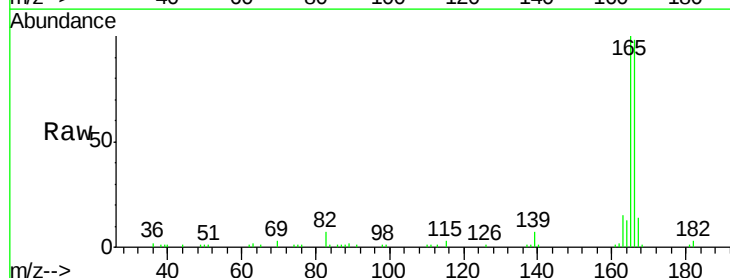
Tgt Ion:166 Resp: 82268

Ion Ratio Lower Upper

166 100

165 102.3 79.0 118.6

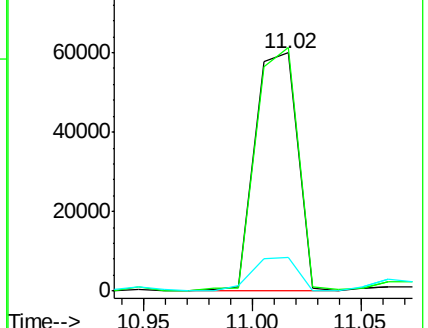
167 14.3 10.3 15.5

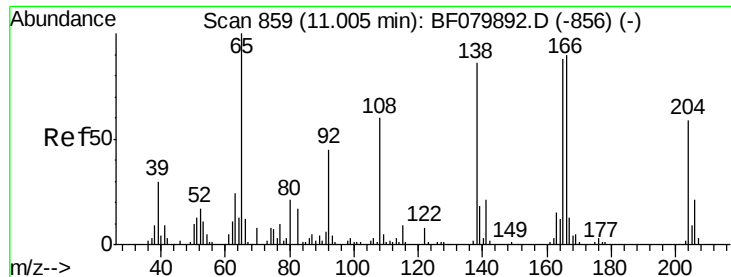


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

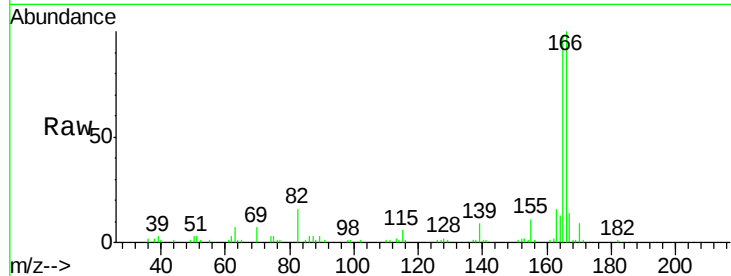




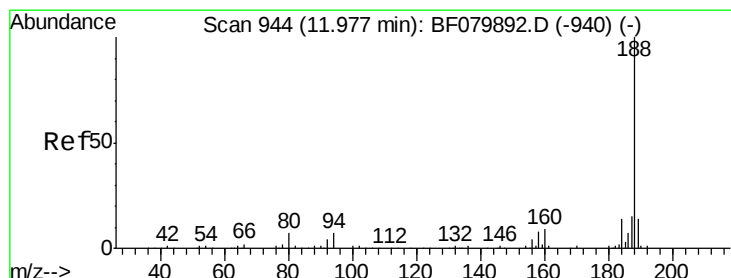
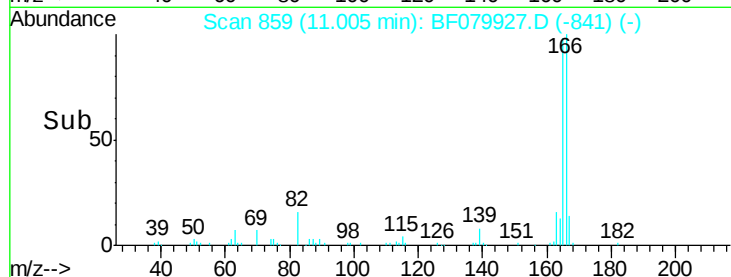
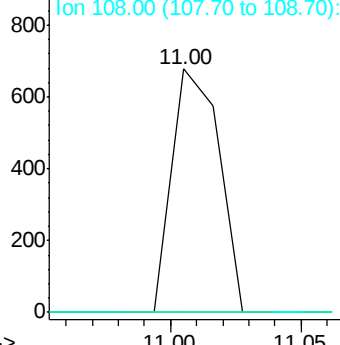
#61
4-Nitroaniline
Concen: 3.46 ng
RT: 11.00 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Instrument :
BNA_F
ClientSampleId :
FM3

Tot Ion:138 Resp: 859
Ion Ratio Lower Upper
138 100
92 0.0 32.9 72.9#
108 0.0 50.4 90.4#

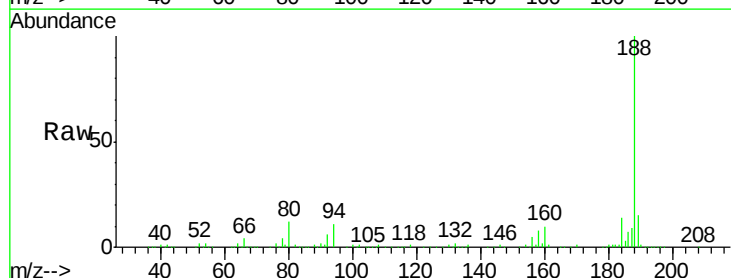


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

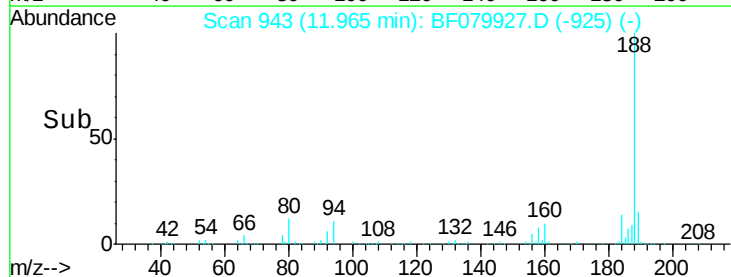
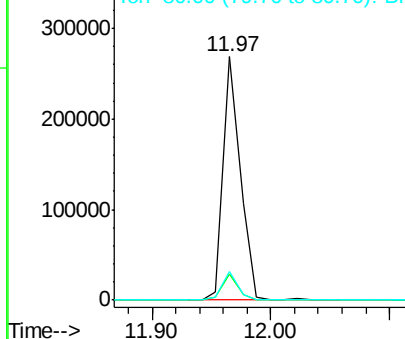


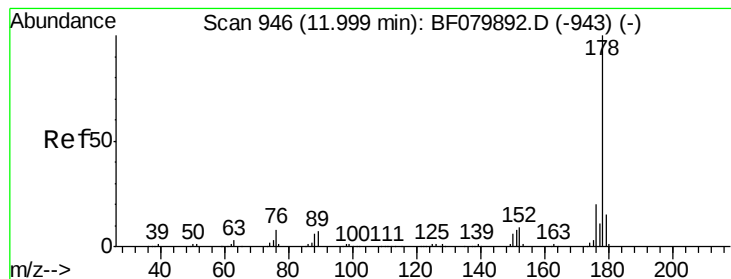
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.97 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:188 Resp: 268654
Ion Ratio Lower Upper
188 100
94 10.8 5.8 8.8#
80 11.8 5.9 8.9#



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: 93.36 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

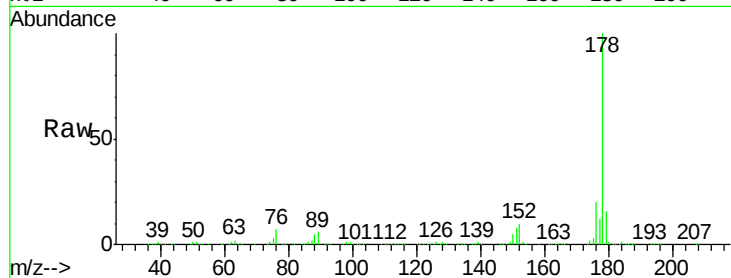
Tot Ion:178 Resp: 1494875

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

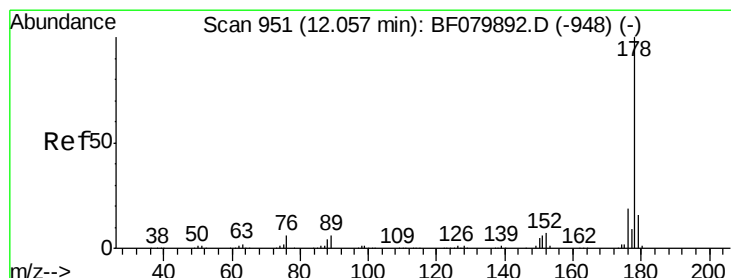
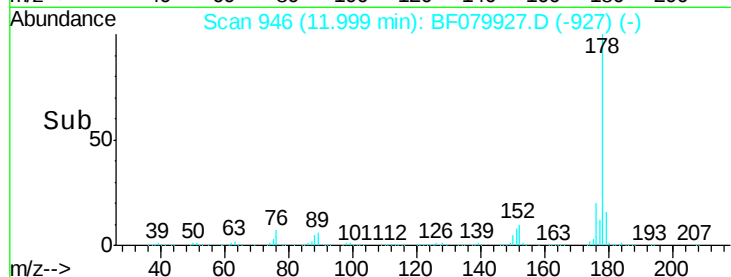
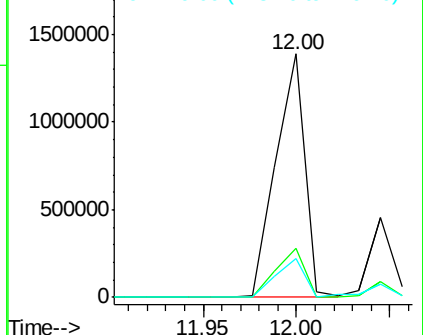
179 16.0 12.3 18.5



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: 25.24 ng

RT: 12.05 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

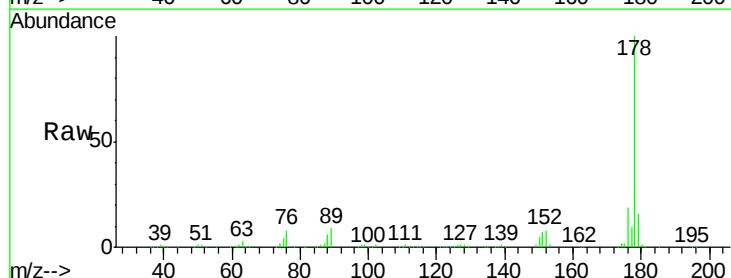
Tgt Ion:178 Resp: 391130

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

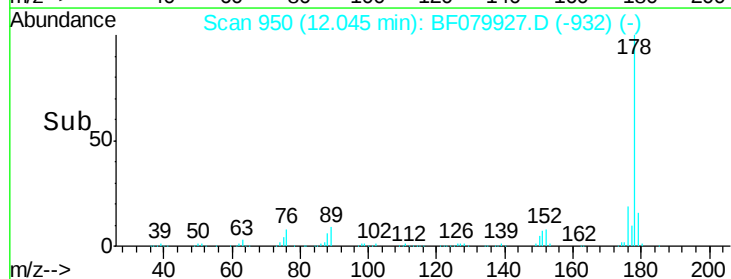
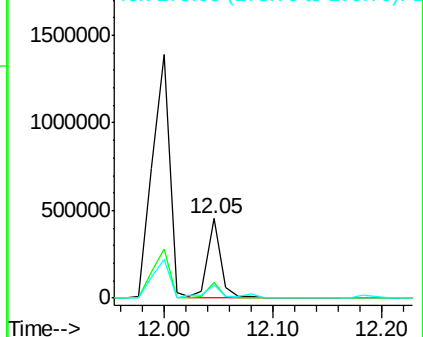
179 15.9 12.5 18.7

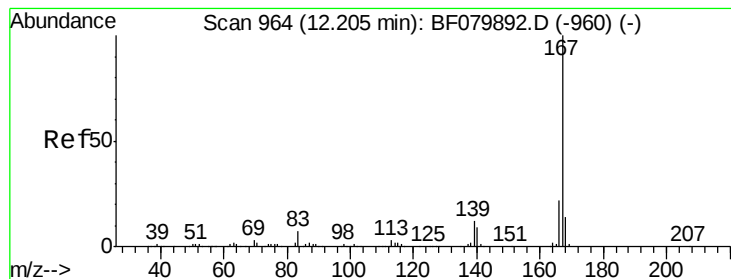


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.83 ng

RT: 12.19 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

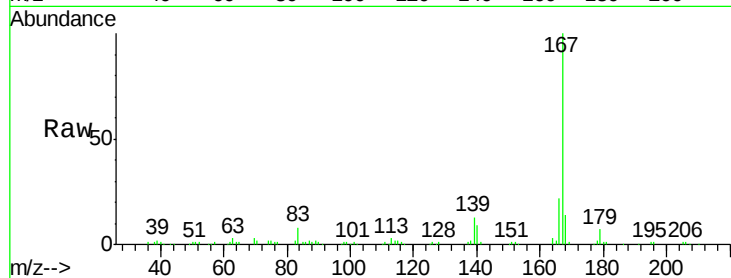
Tot Ion:167 Resp: 117665

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

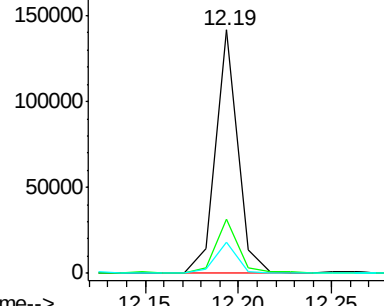
139 12.8 9.5 14.3



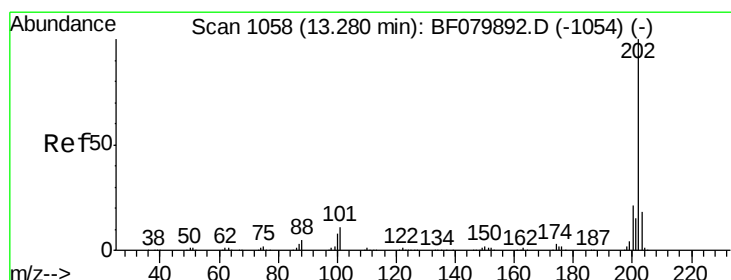
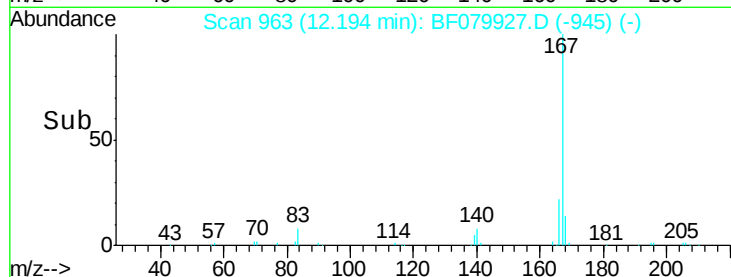
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 90.04 ng

RT: 13.27 min Scan# 1057

Delta R.T. 0.05 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

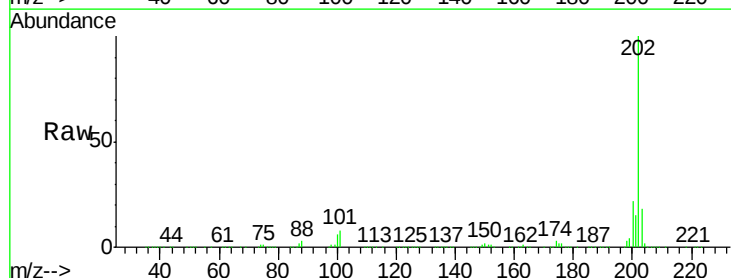
Tgt Ion:202 Resp: 1593676

Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.7

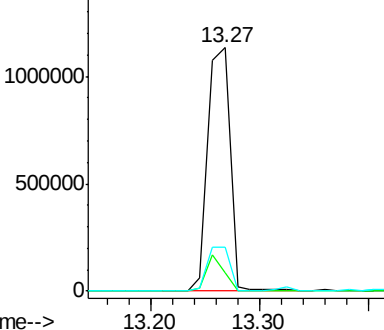
203 18.1 0.0 38.0



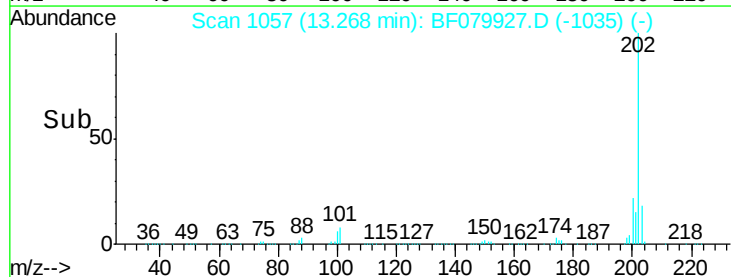
Abundance Ion 202.00 (201.70 to 202.70): E

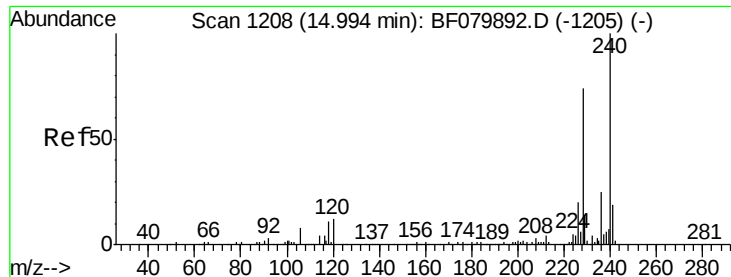
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.10 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

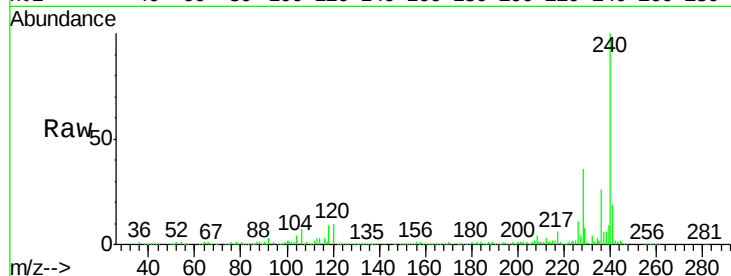
Tot Ion:240 Resp: 290498

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.2

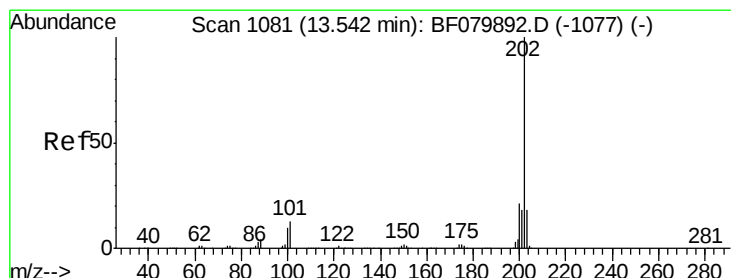
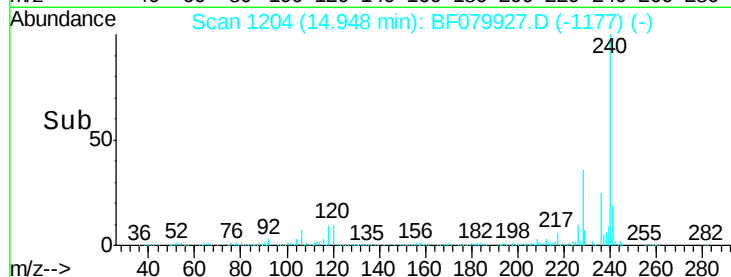
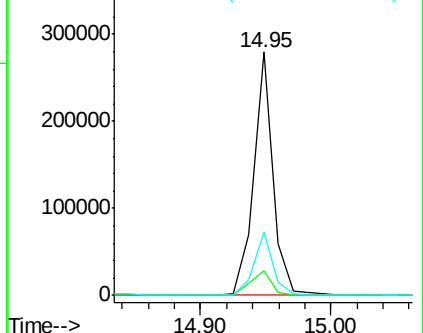
236 25.8 19.6 29.4



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: 73.99 ng

RT: 13.52 min Scan# 1079

Delta R.T. 0.05 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

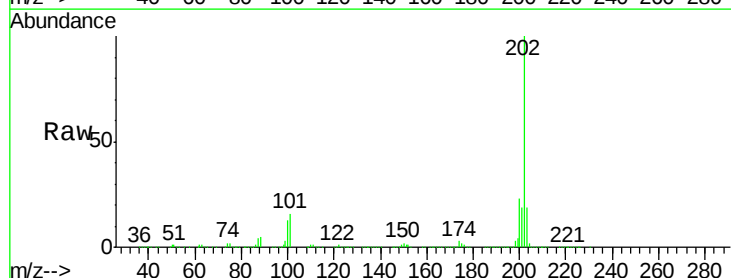
Tgt Ion:202 Resp: 1349967

Ion Ratio Lower Upper

202 100

200 22.8 16.8 25.2

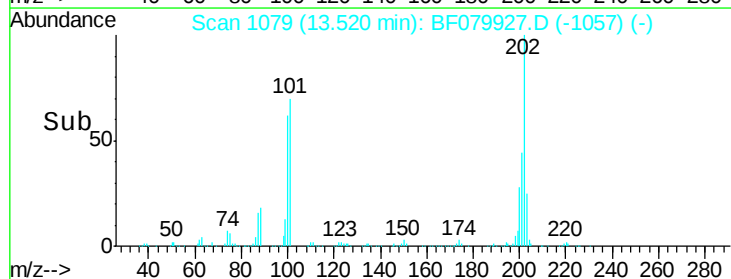
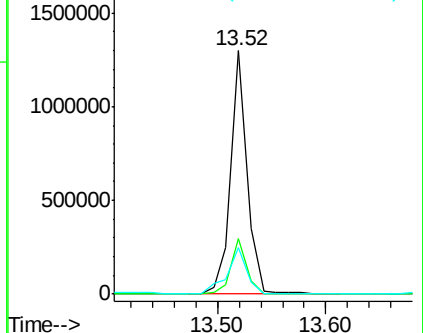
203 18.9 14.4 21.6

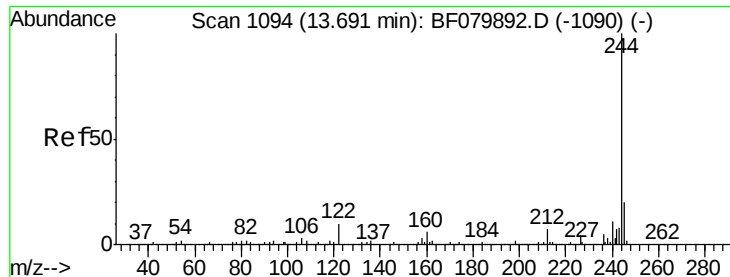


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.47 ng

RT: 13.66 min Scan# 1091

Delta R.T. 0.05 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

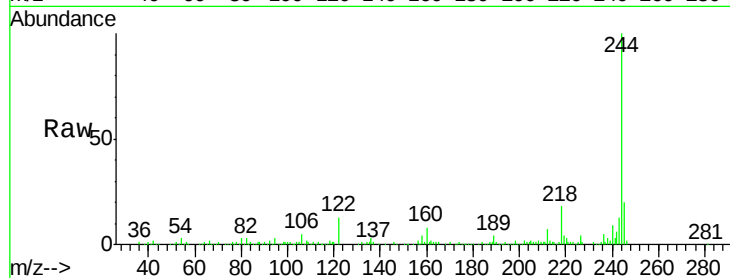
Tot Ion:244 Resp: 169757

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

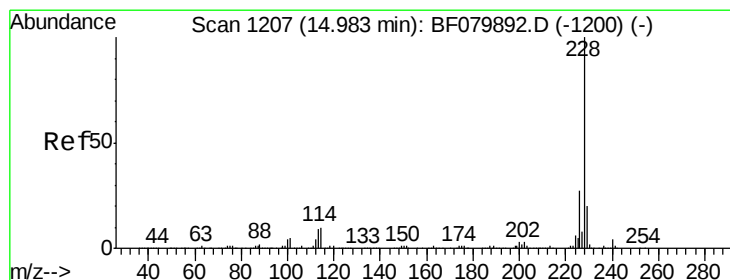
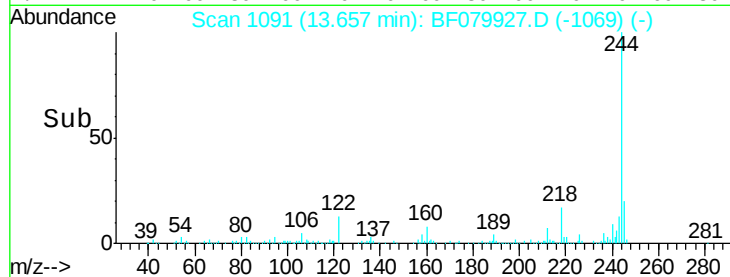
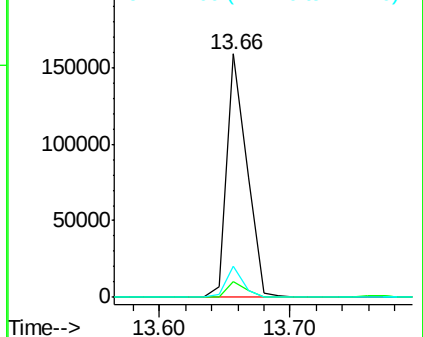
122 12.9 7.8 11.8#



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: 39.59 ng

RT: 14.94 min Scan# 1203

Delta R.T. 0.10 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

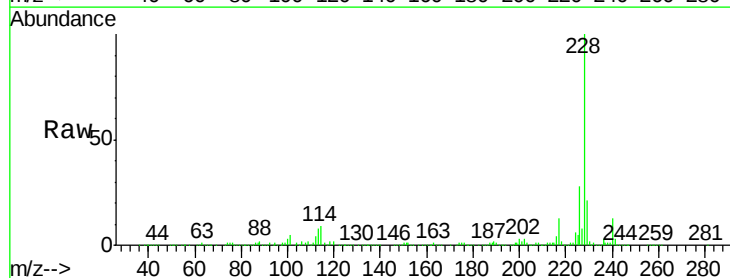
Tgt Ion:228 Resp: 730322

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

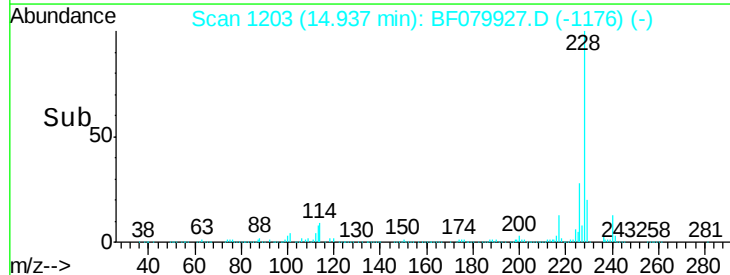
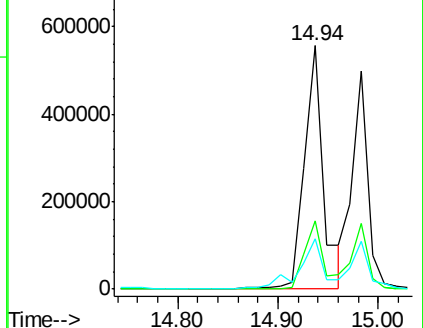
229 20.7 15.9 23.9

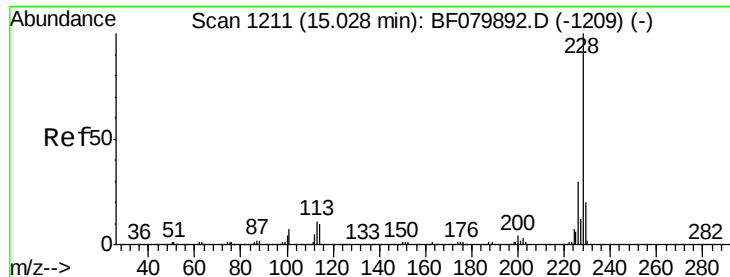


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 32.95 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.10 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleID :

FM3

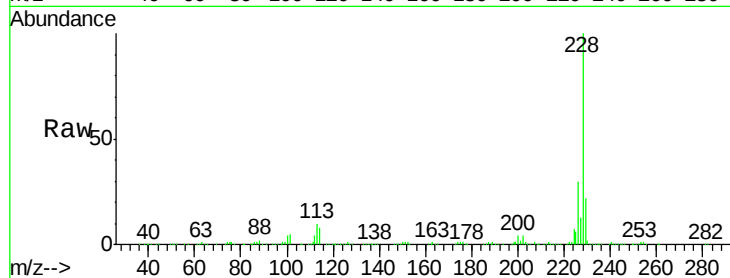
Tot Ion:228 Resp: 542828

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

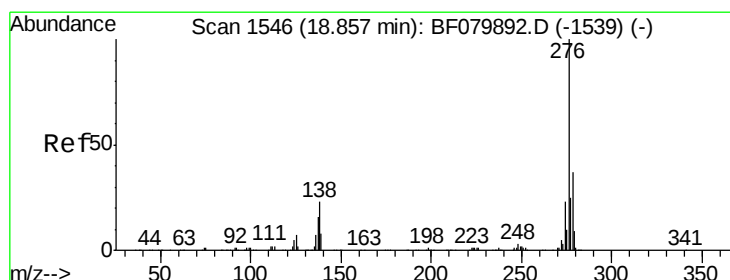
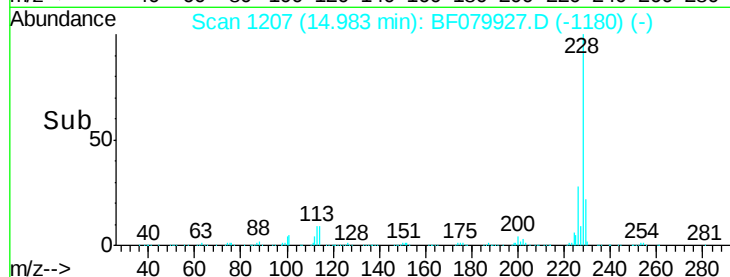
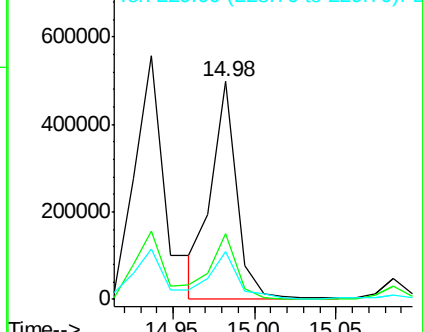
229 22.2 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.95 ng

RT: 18.77 min Scan# 1538

Delta R.T. 0.16 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

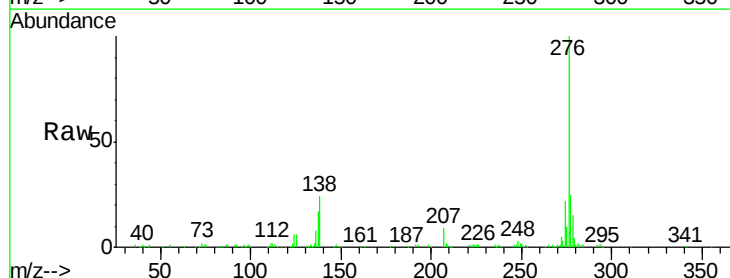
Tgt Ion:276 Resp: 288844

Ion Ratio Lower Upper

276 100

138 21.2 21.0 31.4

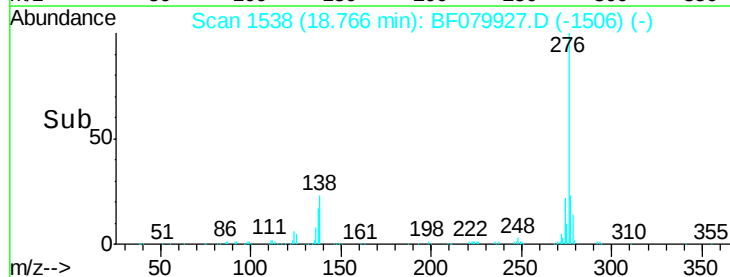
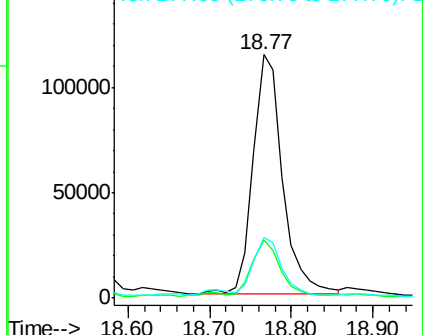
277 22.2 19.9 29.9

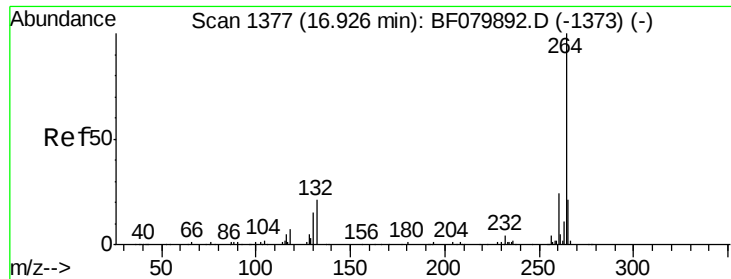


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

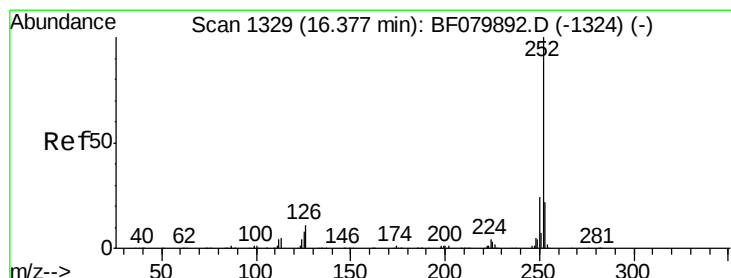
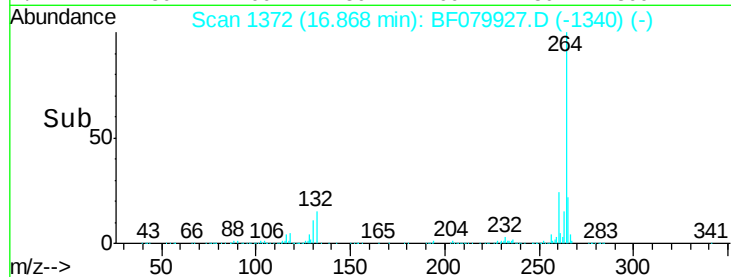
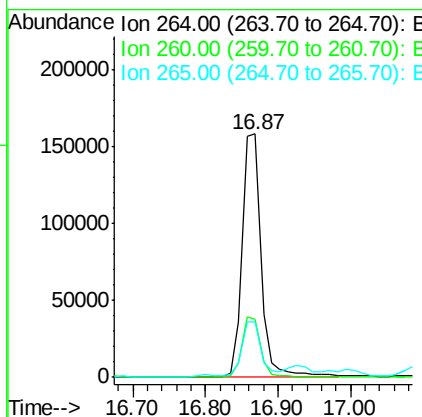
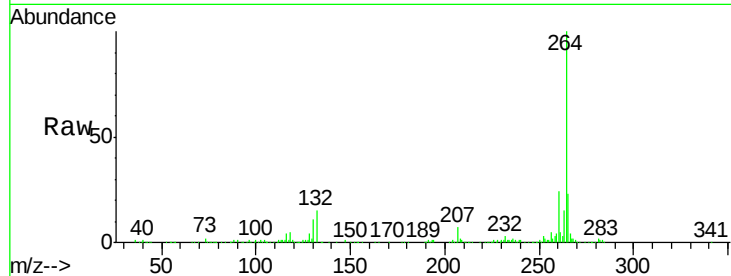




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.87 min Scan# 1372
Delta R.T. 0.16 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

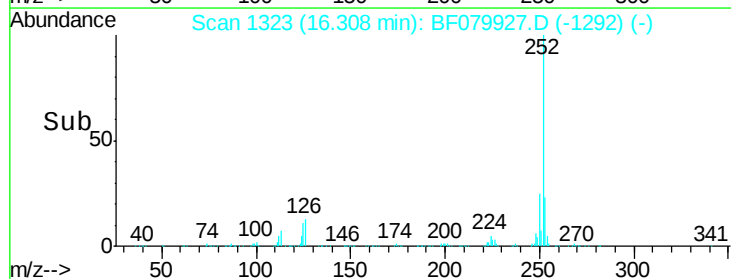
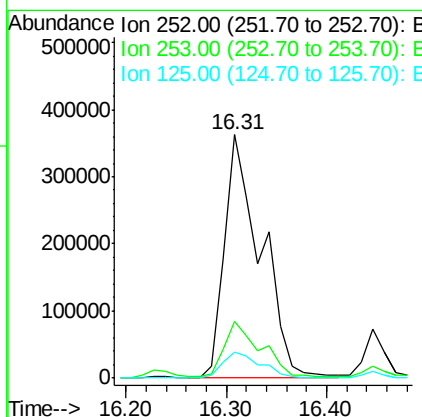
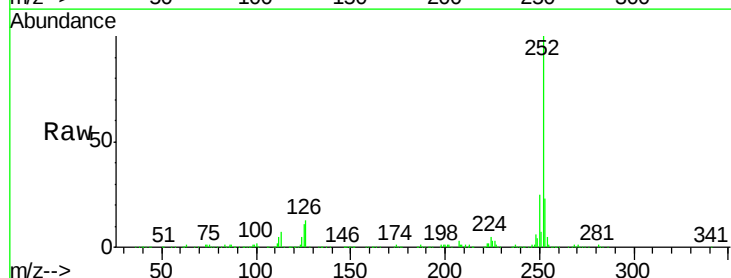
Instrument :
BNA_F
ClientSampleId :
FM3

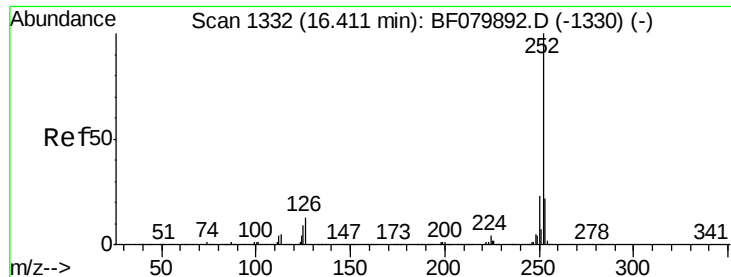
Tot Ion:264 Resp: 292484
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.8 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 50.69 ng
RT: 16.31 min Scan# 1323
Delta R.T. 0.15 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:252 Resp: 908521
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.6 6.5 9.7#

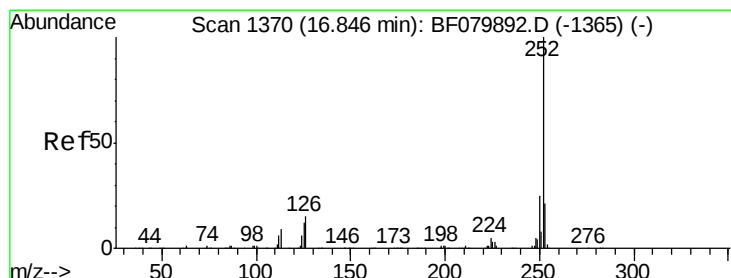
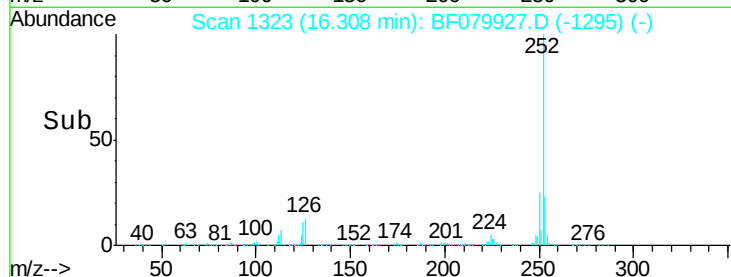
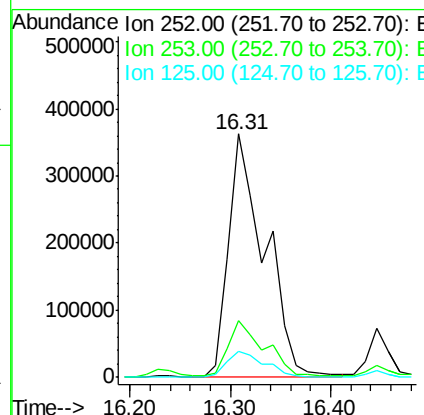
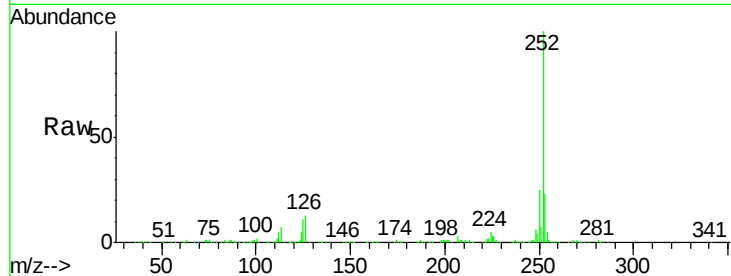




#88
Benzo(k)fluoranthene
Concen: 49.71 ng
RT: 16.31 min Scan# 1323
Delta R.T. 0.11 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

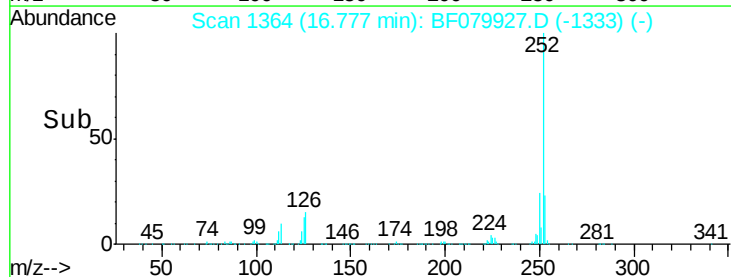
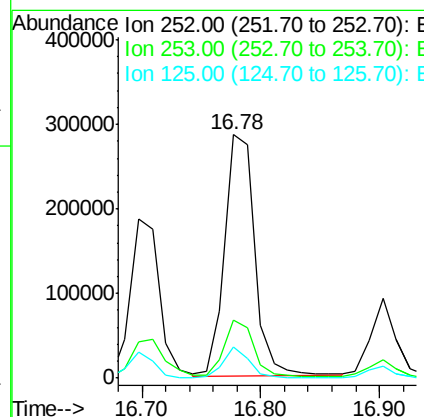
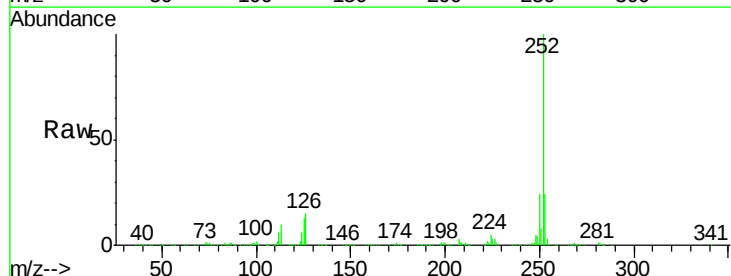
Instrument :
BNA_F
ClientSampleId :
FM3

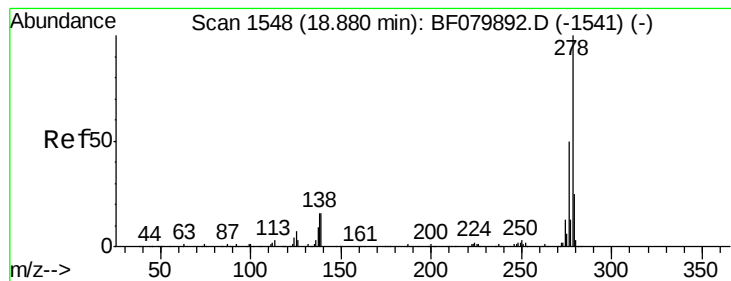
Tot Ion:252 Resp: 908521
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 10.6 7.4 11.0



#89
Benzo(a)pyrene
Concen: 29.38 ng
RT: 16.78 min Scan# 1364
Delta R.T. 0.15 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:252 Resp: 500696
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 12.8 9.7 14.5





#90

Dibenzo(a,h)anthracene

Concen: 4.43 ng

RT: 18.79 min Scan# 1540

Delta R.T. 0.16 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

Instrument :

BNA_F

ClientSampleId :

FM3

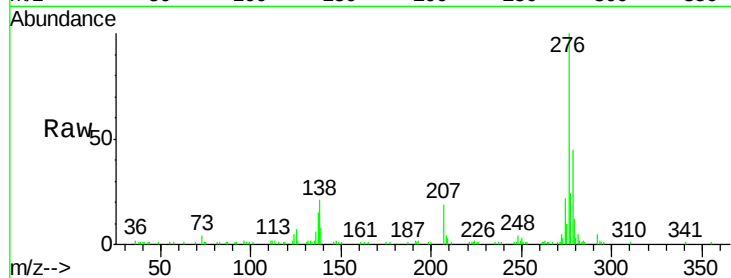
Tot Ion:278 Resp: 74154

Ion Ratio Lower Upper

278 100

139 16.6 12.8 19.2

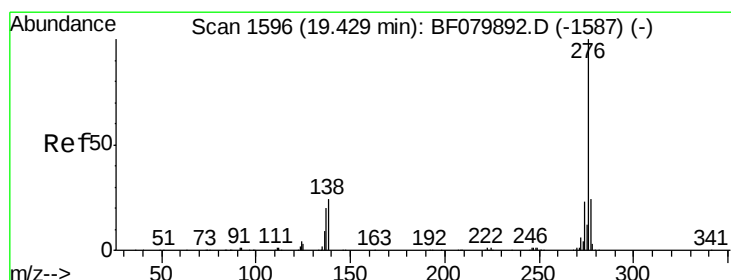
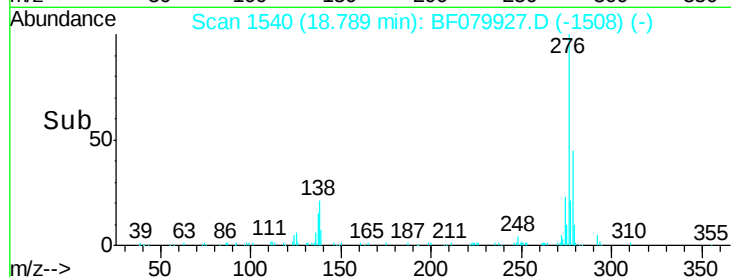
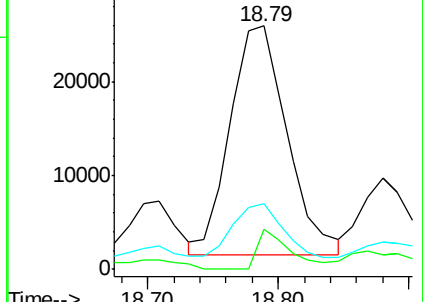
279 26.7 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 16.50 ng

RT: 19.35 min Scan# 1589

Delta R.T. 0.17 min

Lab File: BF079927.D

Acq: 12 Jun 2015 8:13

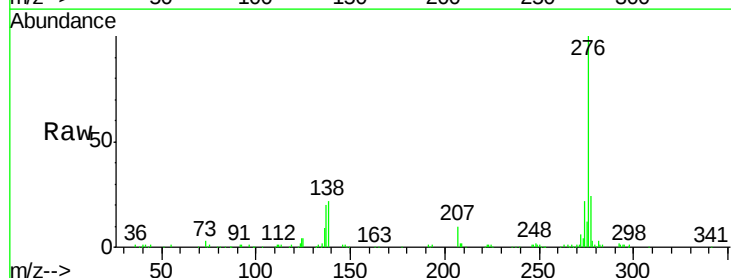
Tgt Ion:276 Resp: 286107

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 22.4 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

