

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079726.D
 Acq On : 5 Jun 2015 4:43
 Operator : TP/IZ
 Sample : G2443-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-027

Quant Time: Jun 06 03:34:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 06 03:31:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	84110	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	336236	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	168585	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	358929	20.00	ng	0.01
75) Chrysene-d12	15.06	240	374949	20.00	ng	0.08
86) Perylene-d12	17.03	264	381528	20.00	ng	0.11

System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	584937	119.25	ng	0.00
7) Phenol-d6	7.11	99	834616	130.70	ng	0.01
23) Nitrobenzene-d5	8.07	82	419681	76.00	ng	0.00
41) 2,4,6-Tribromophenol	11.37	330	203731	134.57	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	933420	80.16	ng	0.00
78) Terphenyl-d14	13.78	244	1120876	70.43	ng	0.05

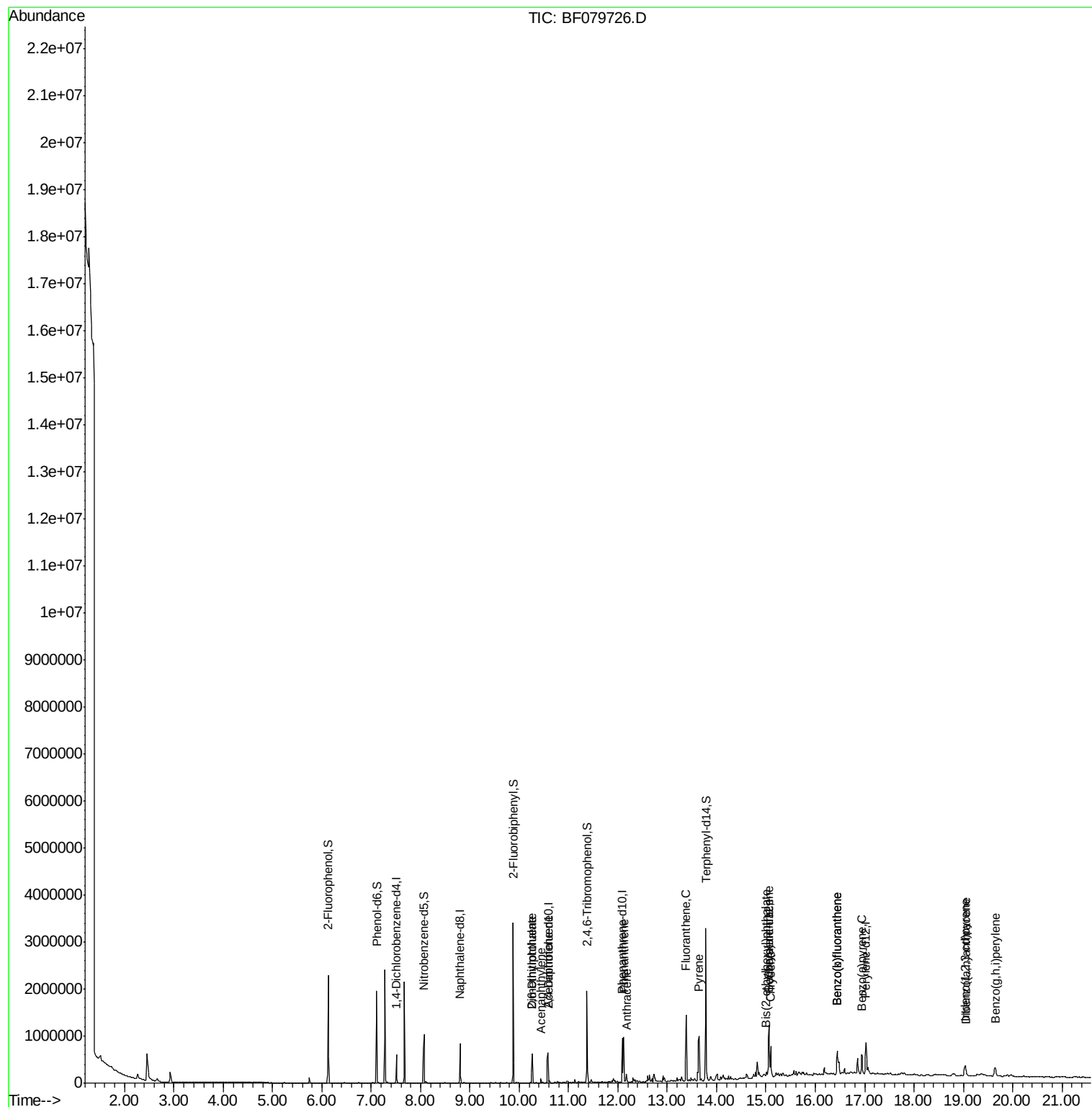
Target Compounds						Qvalue
48) Acenaphthylene	10.43	152	44328	2.35	ng	98
49) Dimethylphthalate	10.26	163	274717	21.15	ng	98
50) 2,6-Dinitrotoluene	10.26	165	3118	4.24	ng	# 43
56) 2,4-Dinitrotoluene	10.58	165	21395	7.78	ng	# 33
70) Phenanthrene	12.11	178	344531	16.50	ng	99
71) Anthracene	12.17	178	98840	4.78	ng	99
74) Fluoranthene	13.38	202	598348	26.42	ng	98
77) Pyrene	13.65	202	581065	24.94	ng	98
80) Benzo(a)anthracene	15.05	228	324019	14.14	ng	97
82) Chrysene	15.10	228	280407	13.07	ng	97
83) Bis(2-ethylhexyl)phthalate	15.01	149	29976	2.13	ng	98
85) Indeno(1,2,3-cd)pyrene	19.04	276	196689	8.13	ng	95
87) Benzo(b)fluoranthene	16.45	252	514989	20.92	ng	# 97
88) Benzo(k)fluoranthene	16.45	252	514989	21.93	ng	98
89) Benzo(a)pyrene	16.95	252	291725	12.97	ng	99
90) Dibenzo(a,h)anthracene	19.05	278	51949	2.50	ng	# 91
91) Benzo(g,h,i)perylene	19.65	276	196432	9.25	ng	99

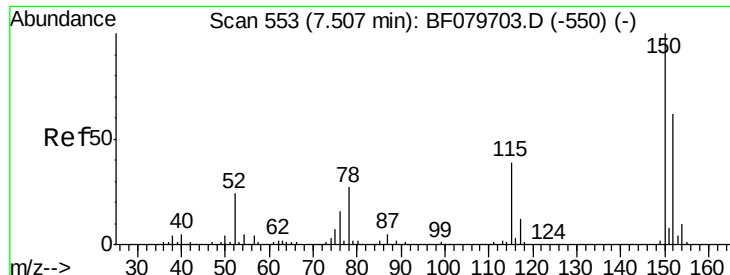
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079726.D
Acq On : 5 Jun 2015 4:43
Operator : TP/IZ
Sample : G2443-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SW-027

Quant Time: Jun 06 03:34:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 06 03:31:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampled :

SW-027

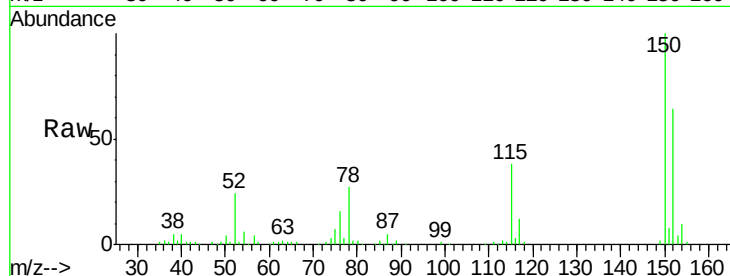
Tgt Ion:152 Resp: 84110

Ion Ratio Lower Upper

152 100

150 156.4 128.1 192.1

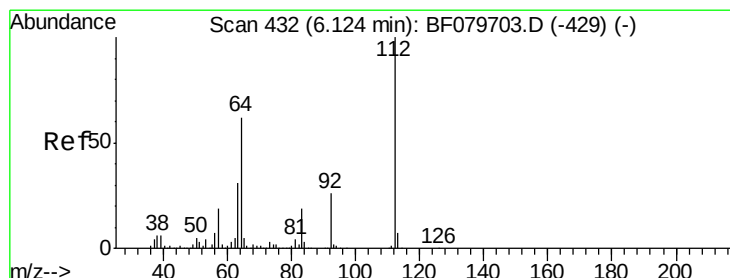
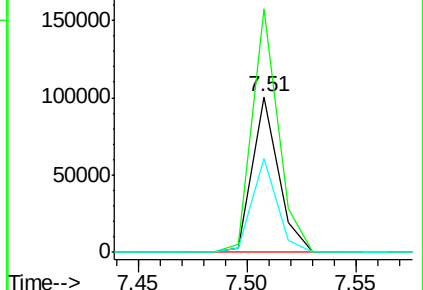
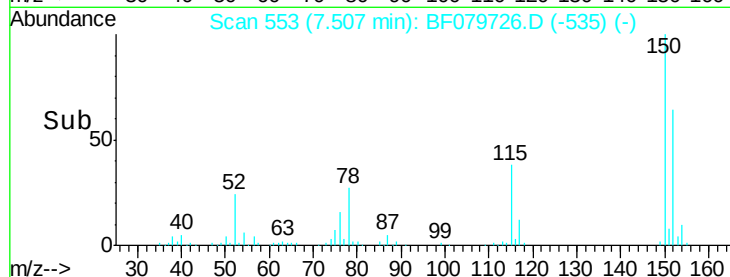
115 60.2 49.7 74.5



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: 119.25 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

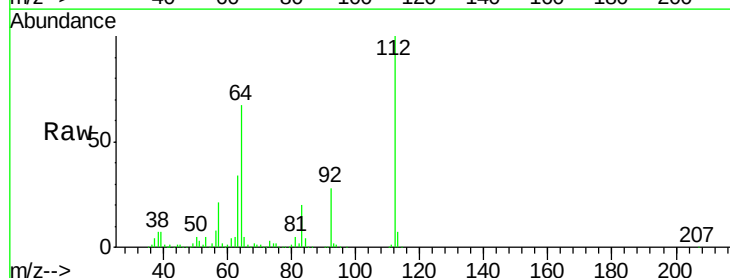
Tgt Ion:112 Resp: 584937

Ion Ratio Lower Upper

112 100

64 67.5 49.6 74.4

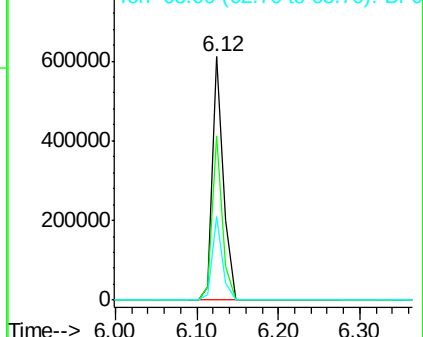
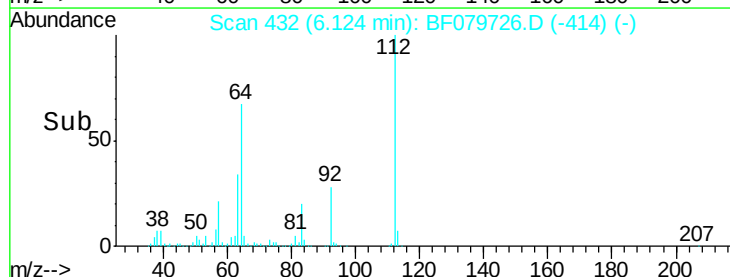
63 34.3 24.9 37.3

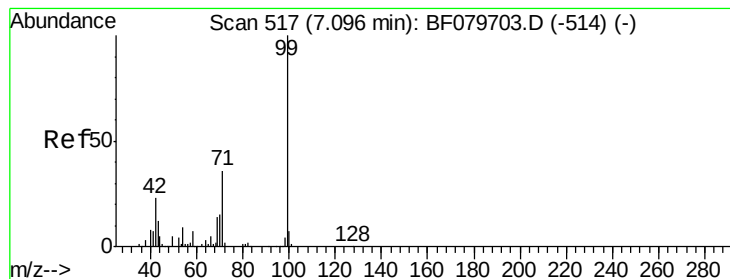


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.70 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

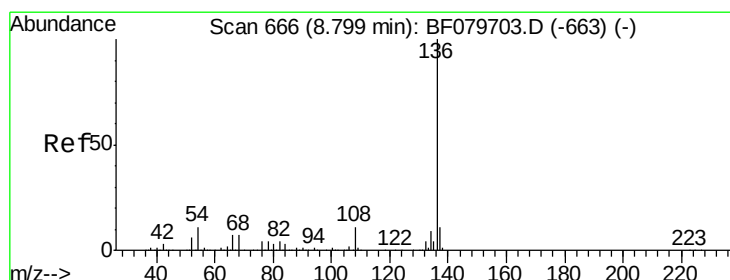
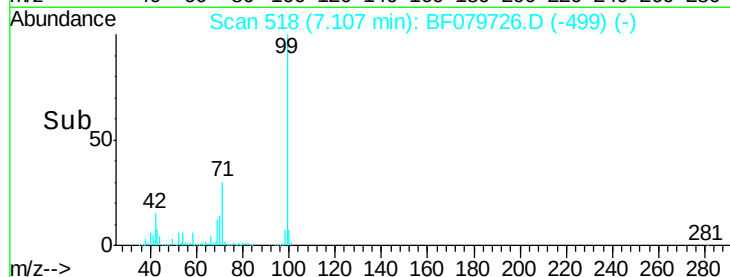
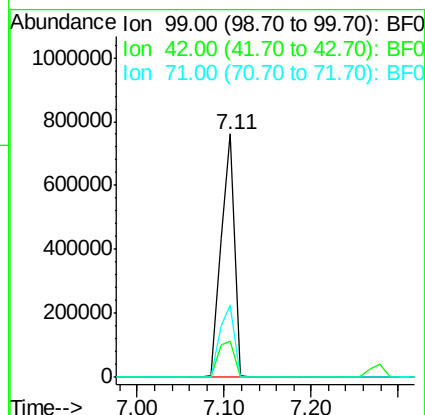
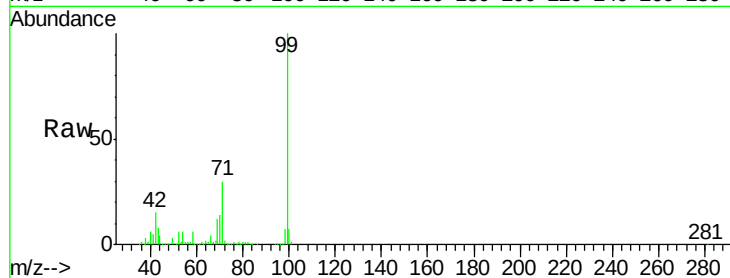
Tgt Ion: 99 Resp: 834616

Ion Ratio Lower Upper

99 100

42 14.8 18.0 27.0#

71 29.7 28.4 42.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Tgt Ion: 136 Resp: 336236

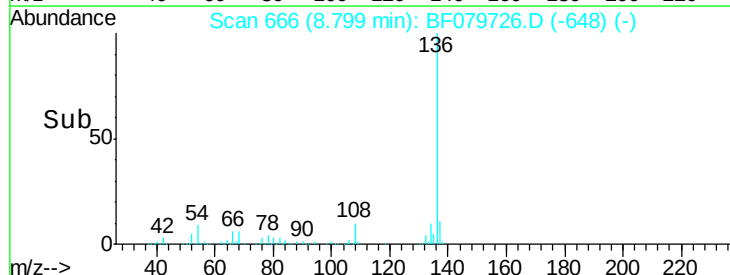
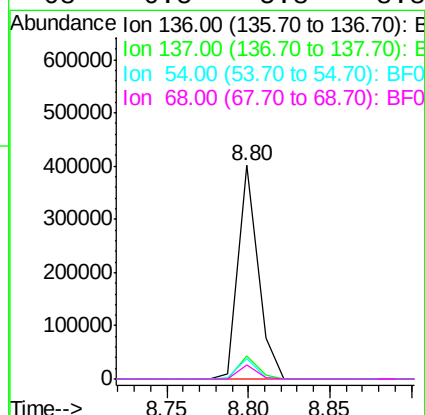
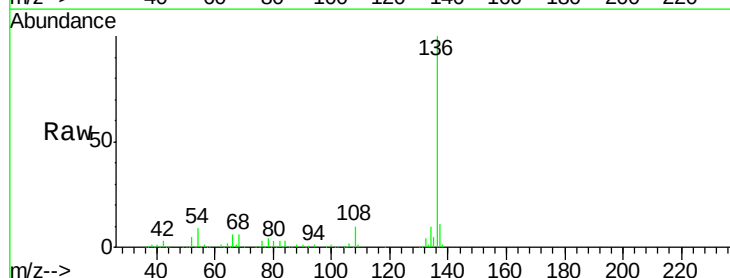
Ion Ratio Lower Upper

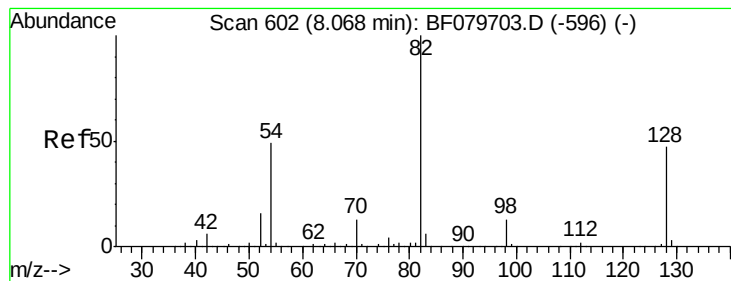
136 100

137 11.1 8.8 13.2

54 9.4 8.7 13.1

68 6.5 5.8 8.8





#23

Nitrobenzene-d5

Concen: 76.00 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampled :

SW-027

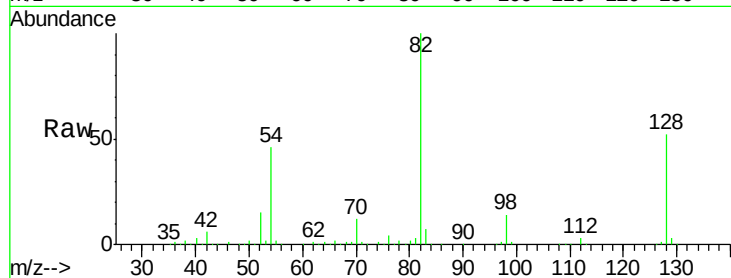
Tgt Ion: 82 Resp: 419681

Ion Ratio Lower Upper

82 100

128 51.5 37.6 56.4

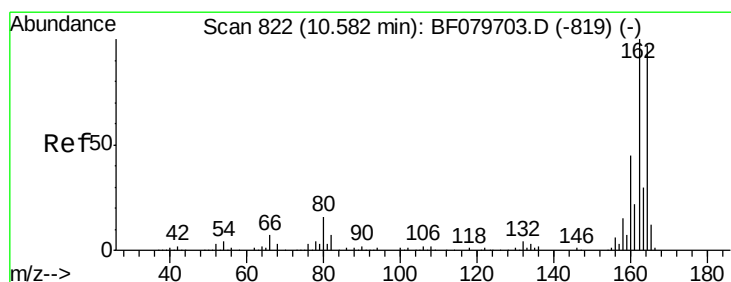
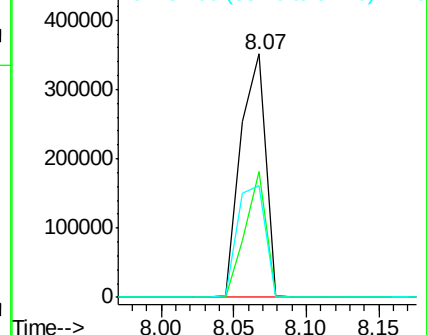
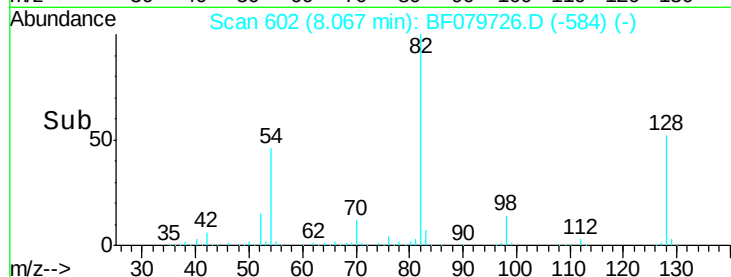
54 46.0 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.58 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

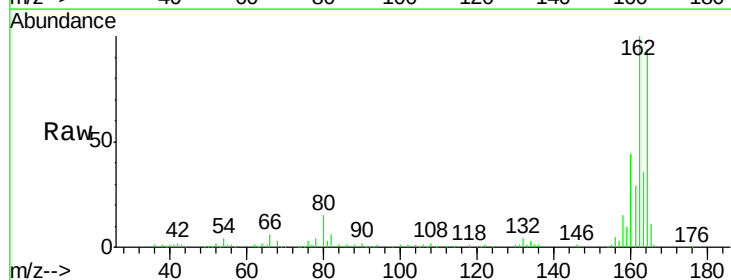
Tgt Ion: 164 Resp: 168585

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

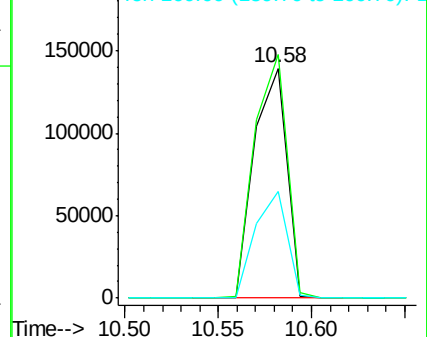
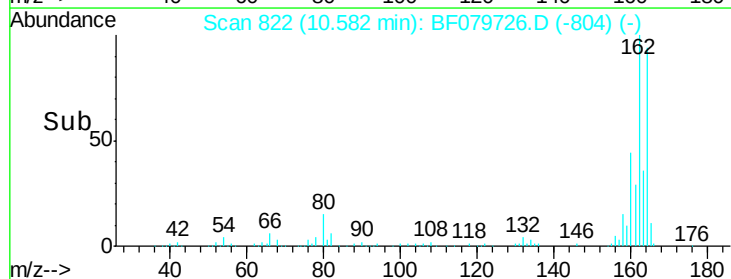
160 46.3 36.8 55.2

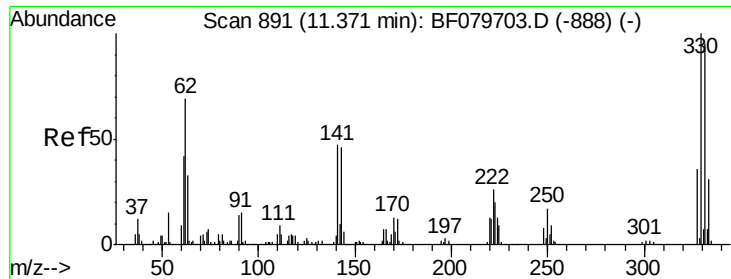


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

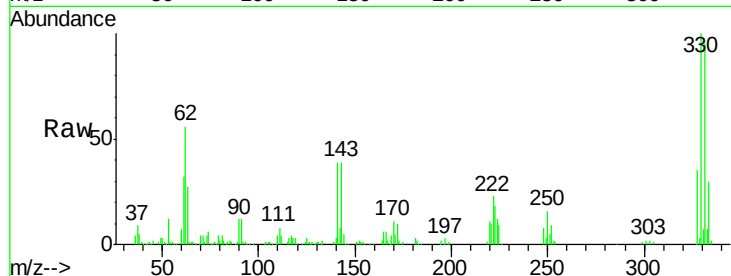




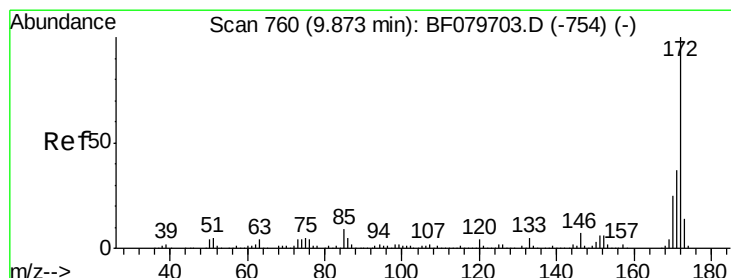
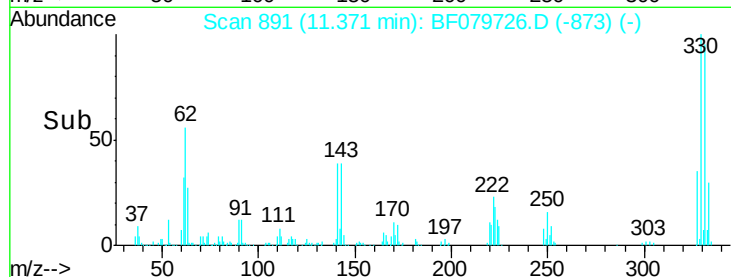
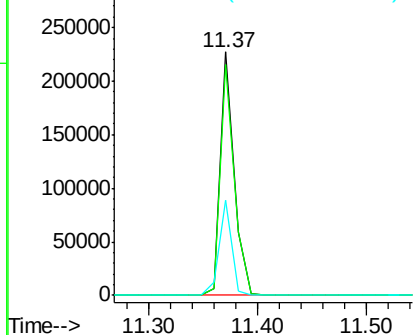
#41
 2,4,6-Tribromophenol
 Concen: 134.57 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079726.D
 Acq: 5 Jun 2015 4:43

Instrument :
 BNA_F
 ClientSampleId :
 SW-027

Tgt Ion:330 Resp: 203731
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.0
 141 36.0 30.2 45.2

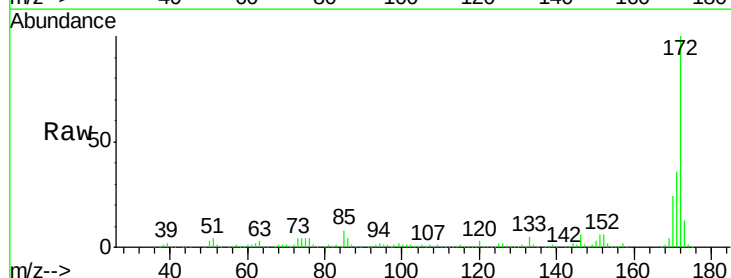


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

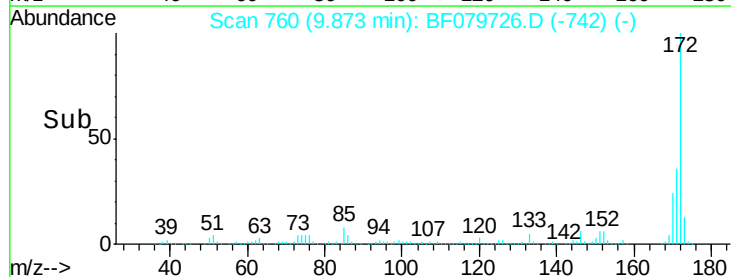
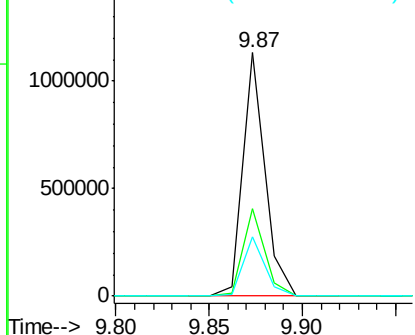


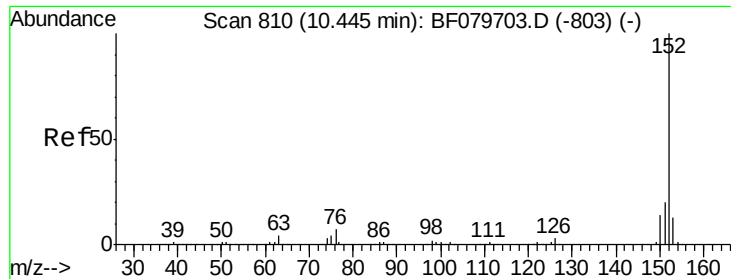
#44
 2-Fluorobiphenyl
 Concen: 80.16 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079726.D
 Acq: 5 Jun 2015 4:43

Tgt Ion:172 Resp: 933420
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.3 19.7 29.5



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





#48

Acenaphthylene

Concen: 2.35 ng

RT: 10.43 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

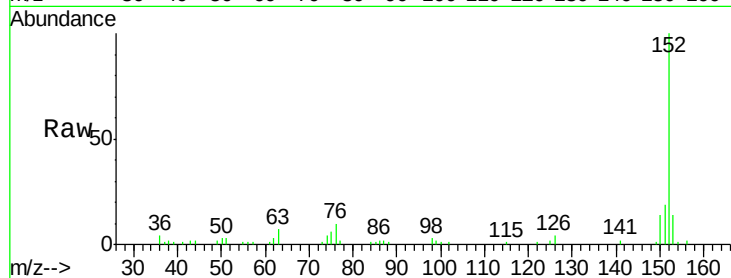
Tgt Ion:152 Resp: 44328

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.4

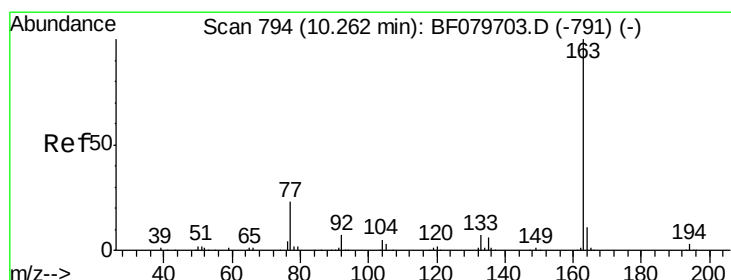
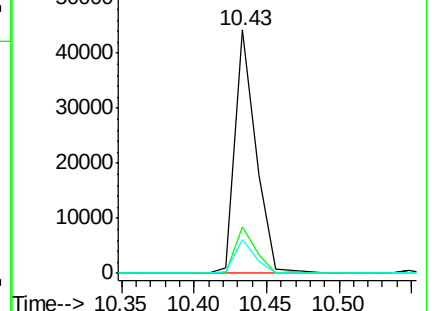
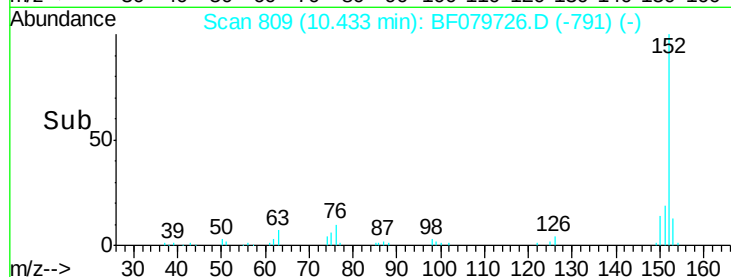
153 13.7 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 21.15 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

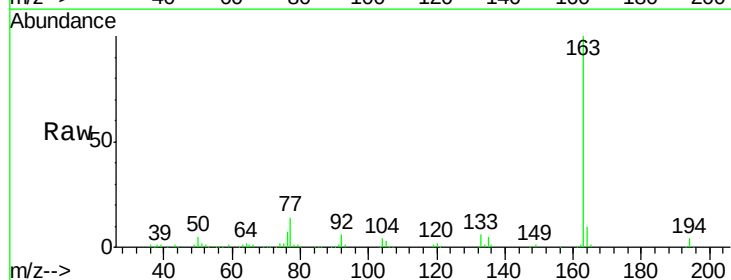
Tgt Ion:163 Resp: 274717

Ion Ratio Lower Upper

163 100

194 3.8 2.6 3.8

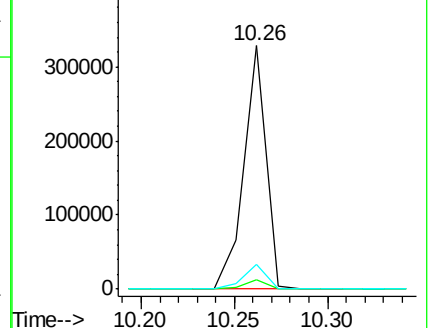
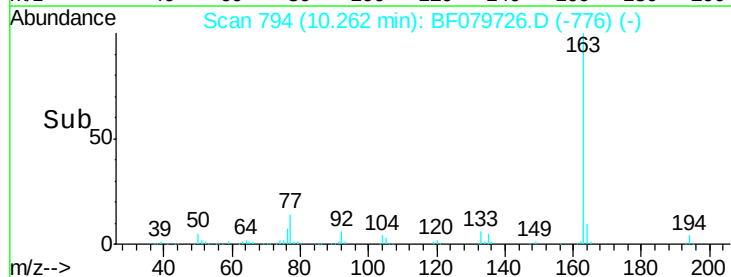
164 10.1 8.5 12.7

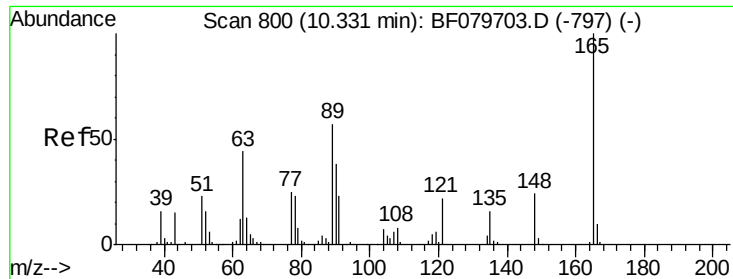


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

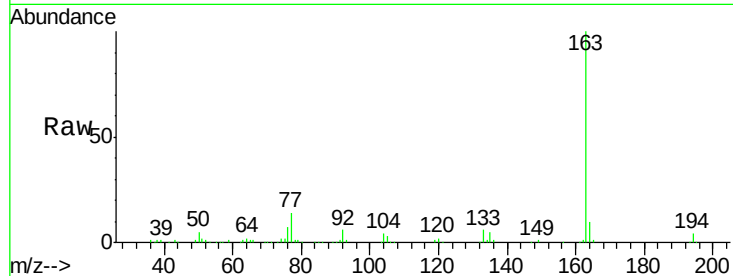




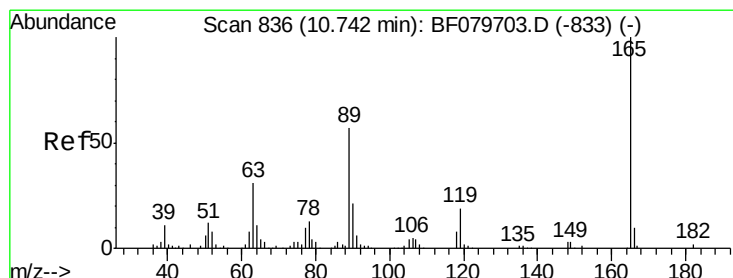
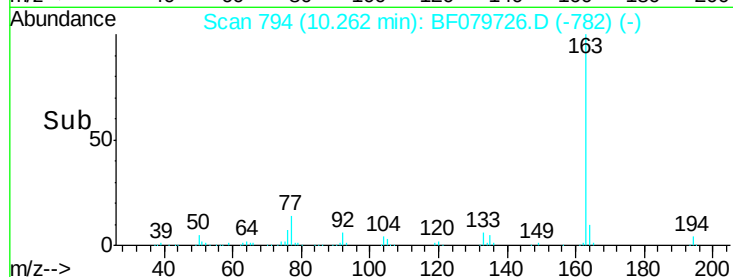
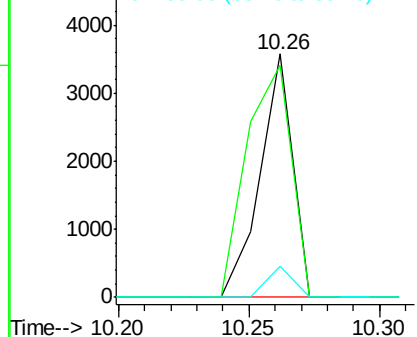
#50
2,6-Dinitrotoluene
Concen: 4.24 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF079726.D
Acq: 5 Jun 2015 4:43

Instrument :
BNA_F
ClientSampleId :
SW-027

Tgt Ion:165 Resp: 3118
Ion Ratio Lower Upper
165 100
63 95.3 45.2 67.8#
89 12.7 45.9 68.9#

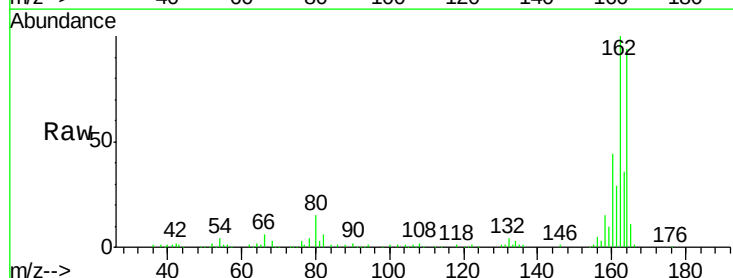


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

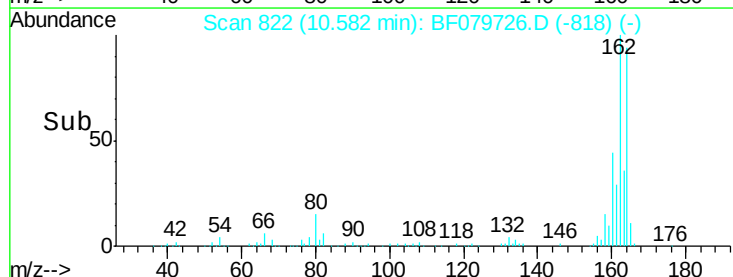
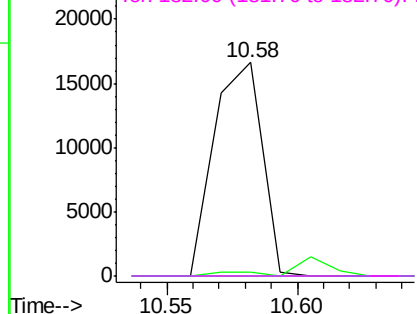


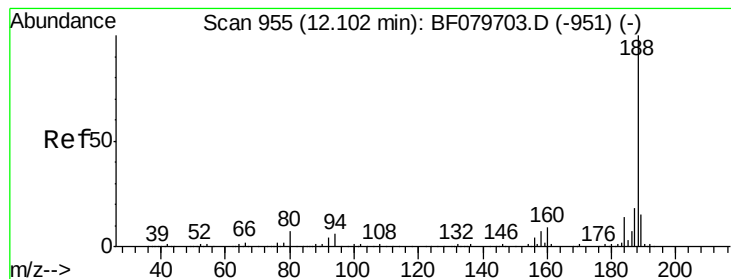
#56
2,4-Dinitrotoluene
Concen: 7.78 ng
RT: 10.58 min Scan# 822
Delta R.T. -0.16 min
Lab File: BF079726.D
Acq: 5 Jun 2015 4:43

Tgt Ion:165 Resp: 21395
Ion Ratio Lower Upper
165 100
63 1.9 24.7 37.1#
89 0.0 45.7 68.5#
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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

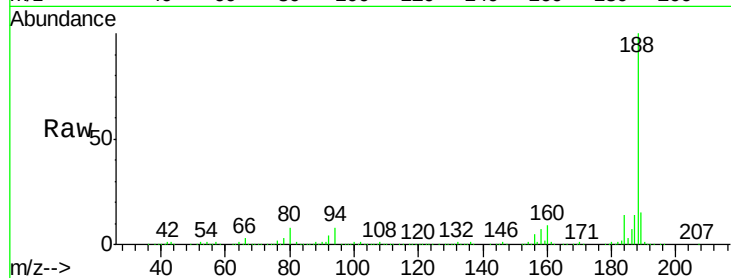
Tgt Ion:188 Resp: 358929

Ion Ratio Lower Upper

188 100

94 7.6 5.0 7.4#

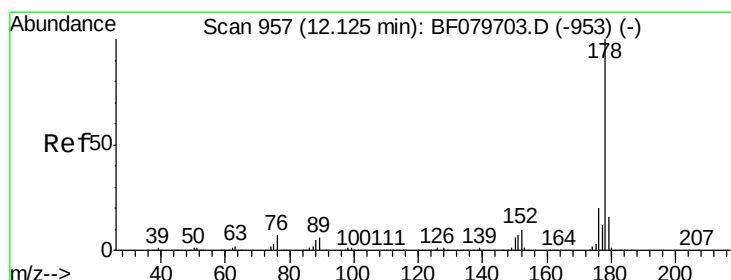
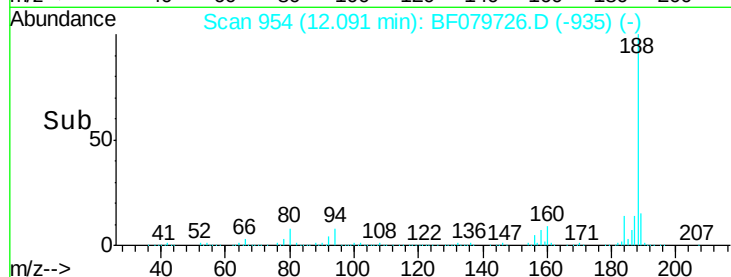
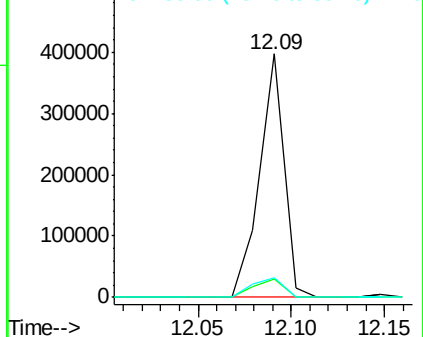
80 8.2 5.3 7.9#



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: 16.50 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

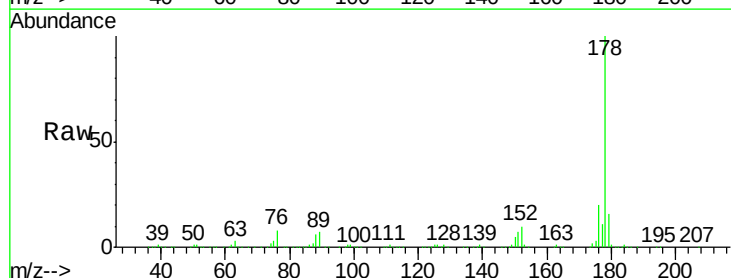
Tgt Ion:178 Resp: 344531

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

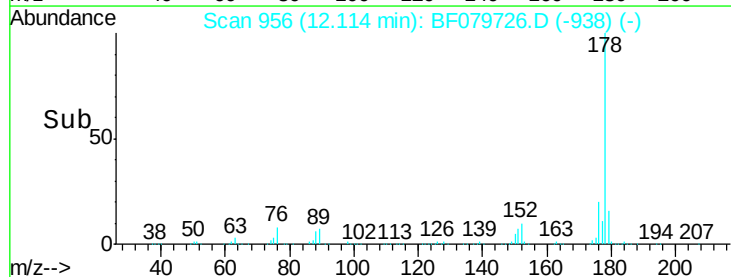
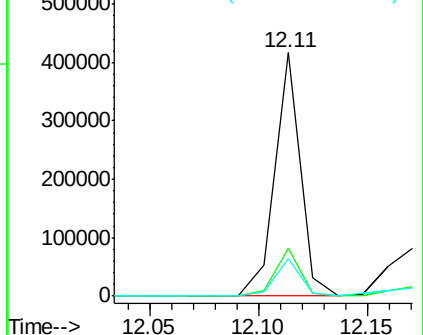
179 15.6 12.6 19.0

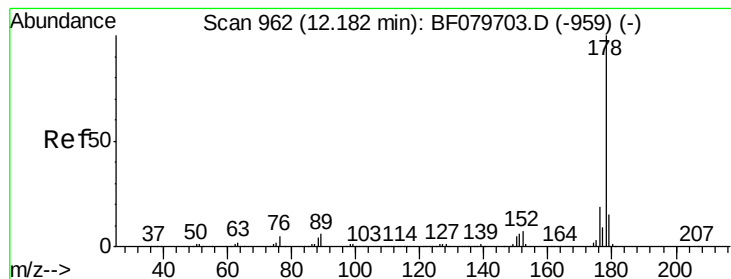


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.78 ng

RT: 12.17 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

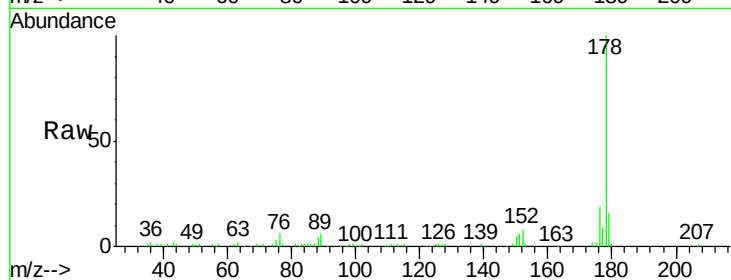
Tgt Ion:178 Resp: 98840

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

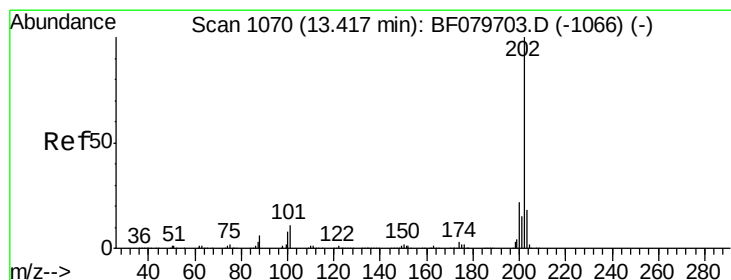
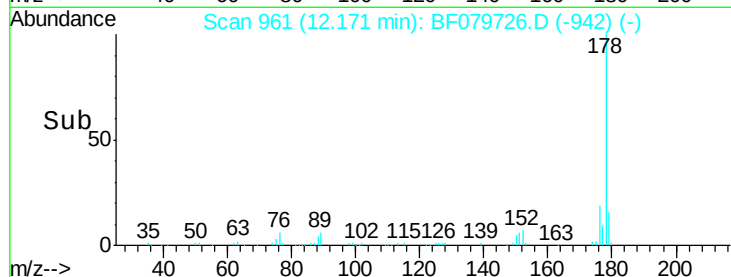
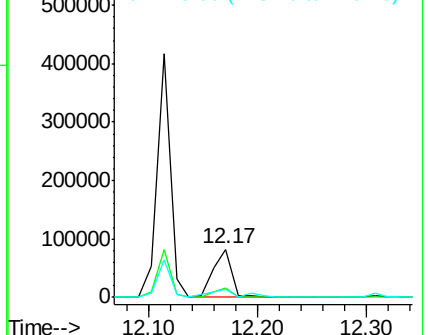
179 15.5 12.2 18.2



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



#74

Fluoranthene

Concen: 26.42 ng

RT: 13.38 min Scan# 1067

Delta R.T. 0.03 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

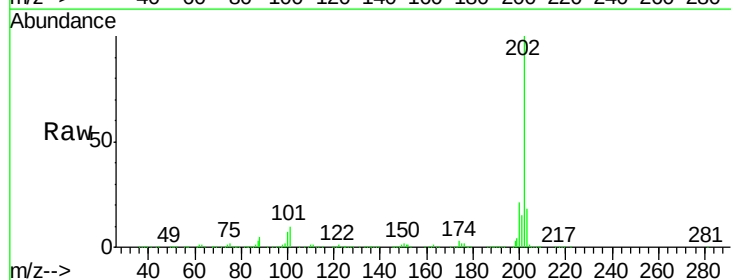
Tgt Ion:202 Resp: 598348

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.3

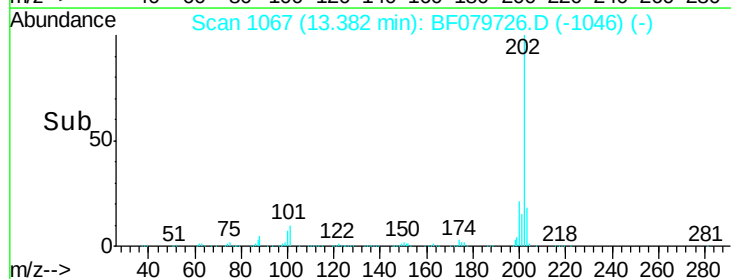
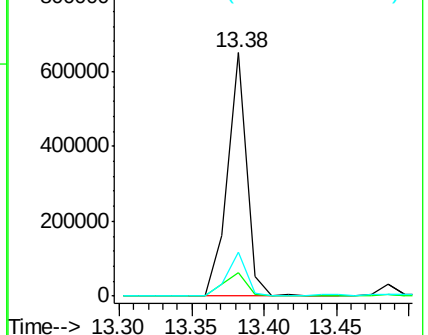
203 17.8 0.0 38.4

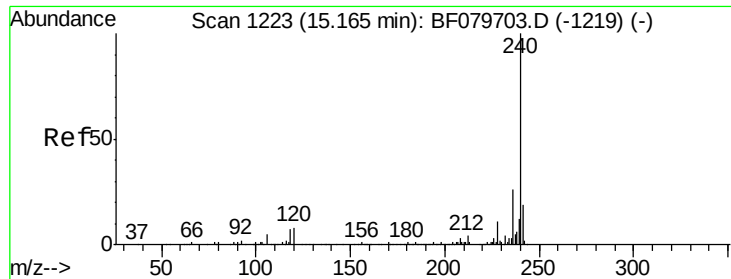


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.06 min Scan# 1214

Delta R.T. 0.08 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

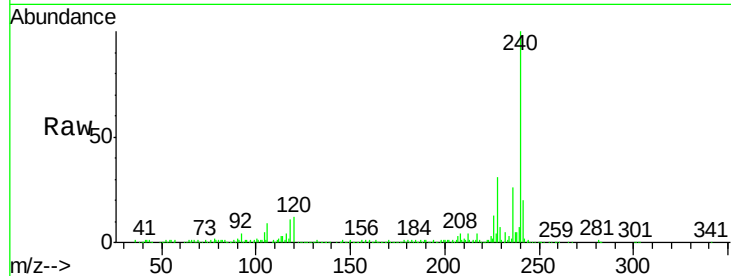
Tgt Ion:240 Resp: 374949

Ion Ratio Lower Upper

240 100

120 12.4 6.2 9.2#

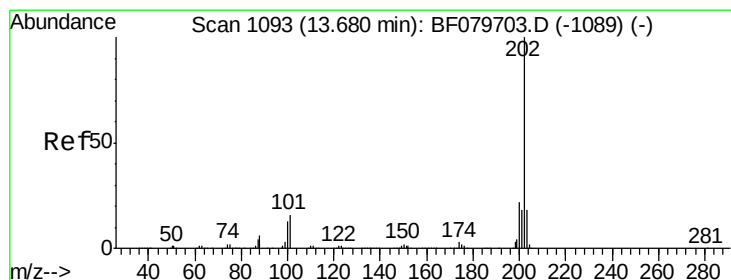
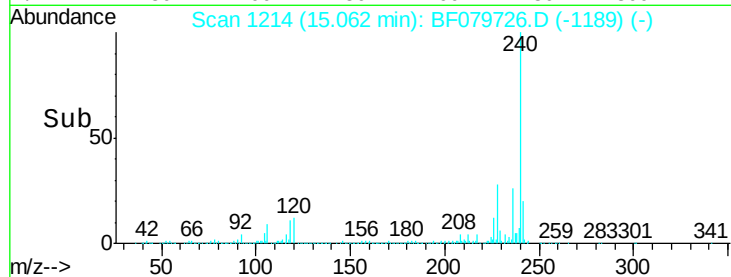
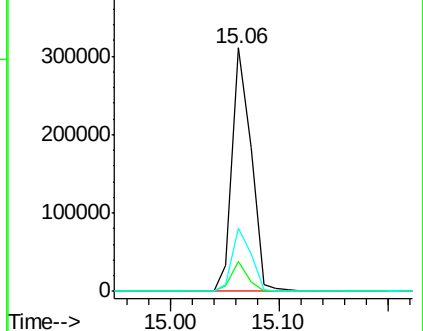
236 25.7 21.0 31.4



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: 24.94 ng

RT: 13.65 min Scan# 1090

Delta R.T. 0.05 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

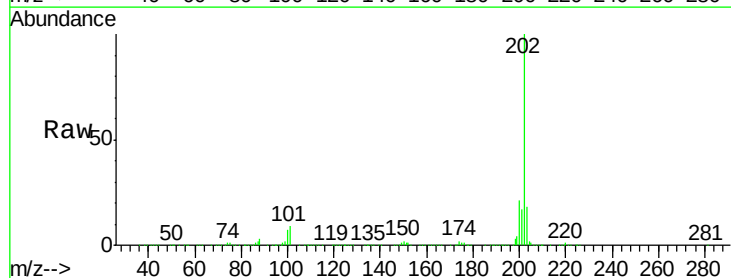
Tgt Ion:202 Resp: 581065

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

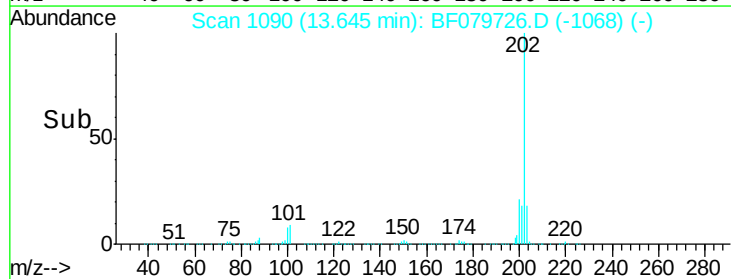
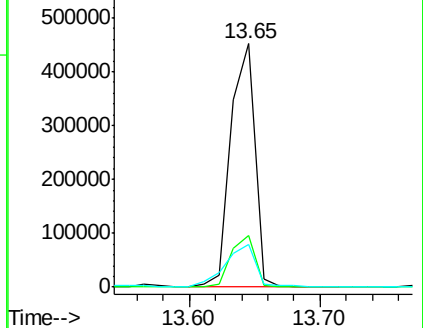
203 17.6 14.8 22.2

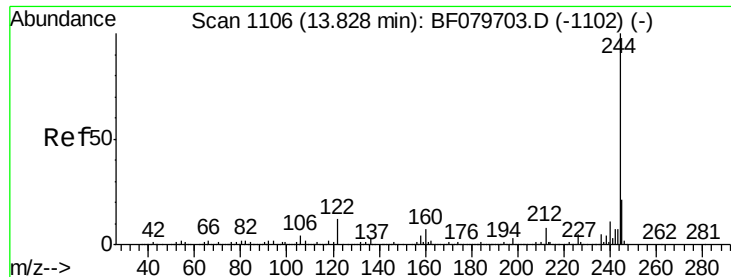


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.43 ng

RT: 13.78 min Scan# 1102

Delta R.T. 0.05 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

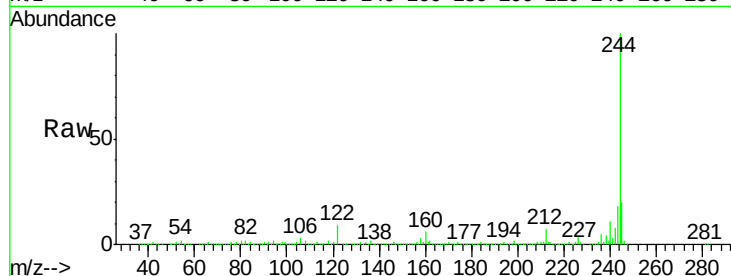
Tgt Ion:244 Resp: 1120876

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

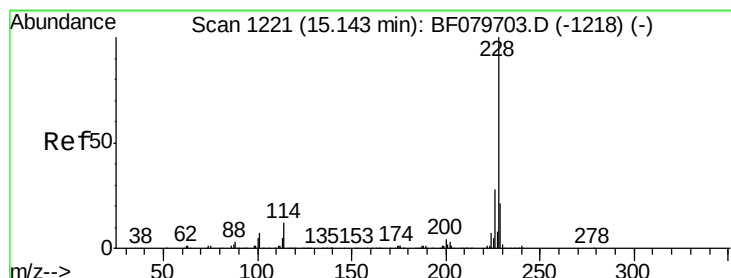
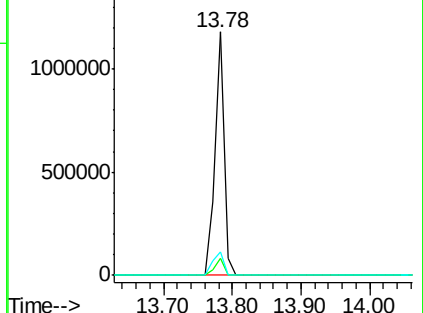
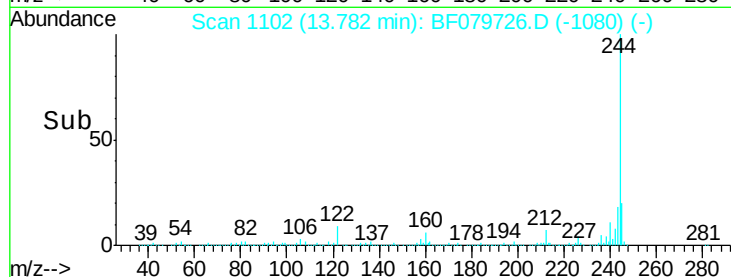
122 9.4 9.3 13.9



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: 14.14 ng

RT: 15.05 min Scan# 1213

Delta R.T. 0.08 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

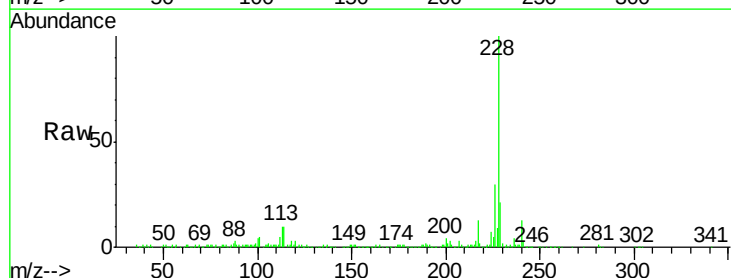
Tgt Ion:228 Resp: 324019

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

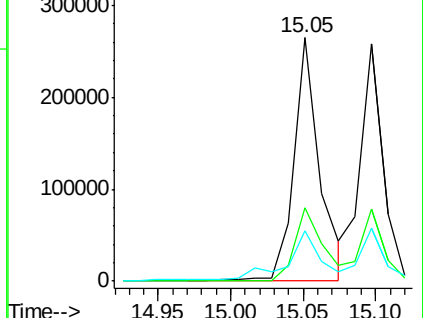
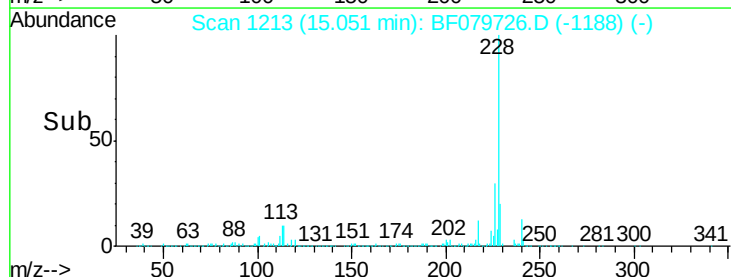
229 20.6 16.6 25.0

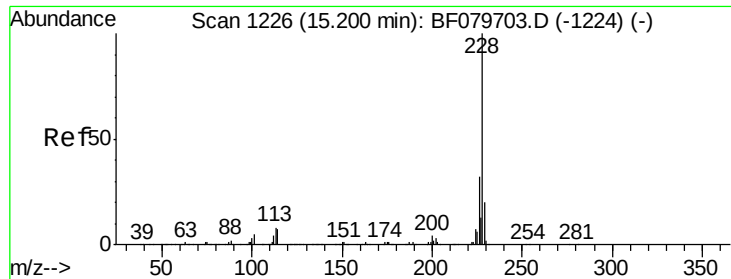


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.07 ng

RT: 15.10 min Scan# 1217

Delta R.T. 0.08 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

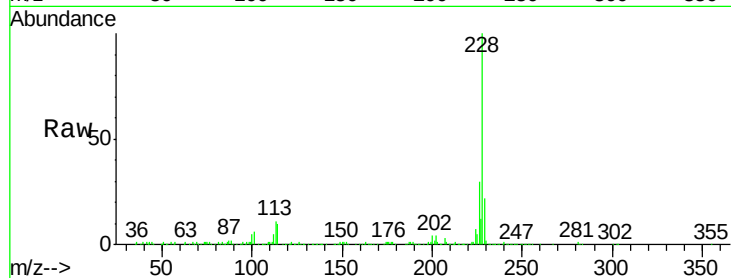
Tgt Ion:228 Resp: 280407

Ion Ratio Lower Upper

228 100

226 30.3 25.2 37.8

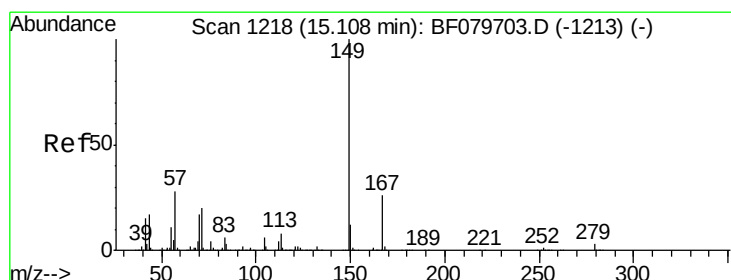
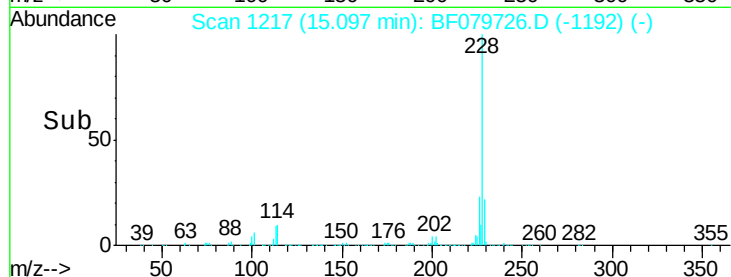
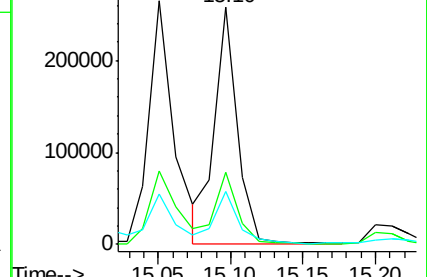
229 22.2 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.13 ng

RT: 15.01 min Scan# 1209

Delta R.T. 0.08 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

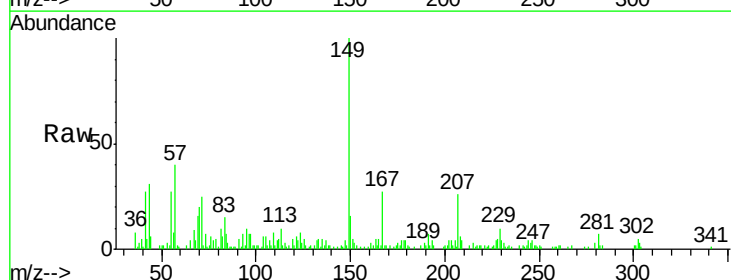
Tgt Ion:149 Resp: 29976

Ion Ratio Lower Upper

149 100

167 27.2 20.9 31.3

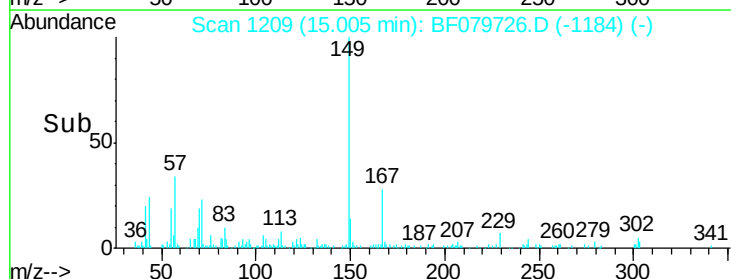
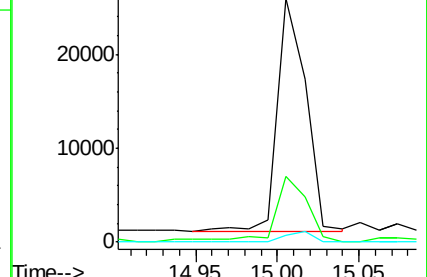
279 2.8 2.2 3.2

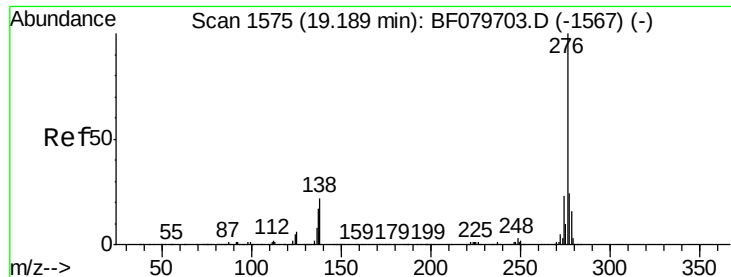


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

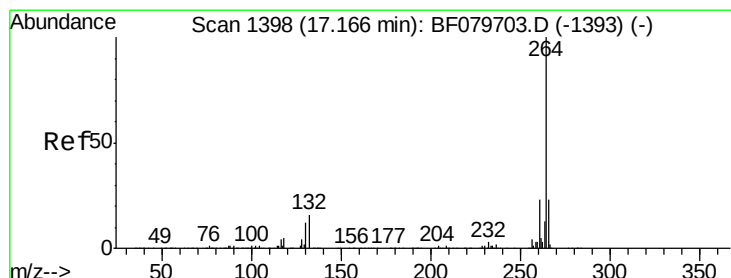
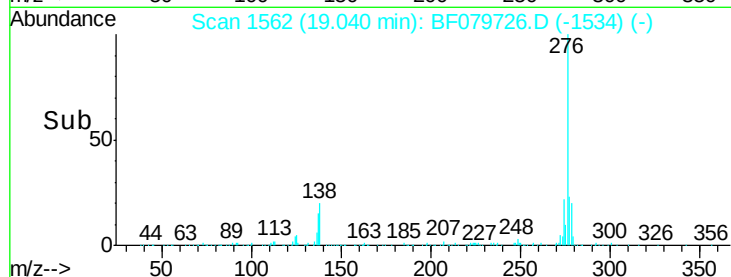
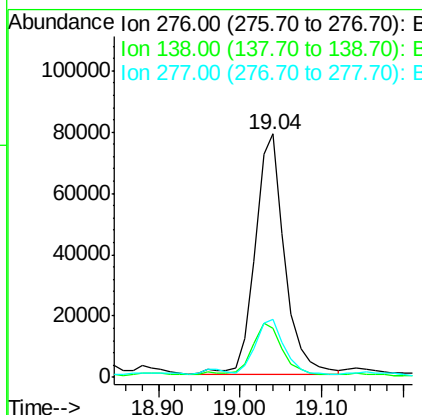
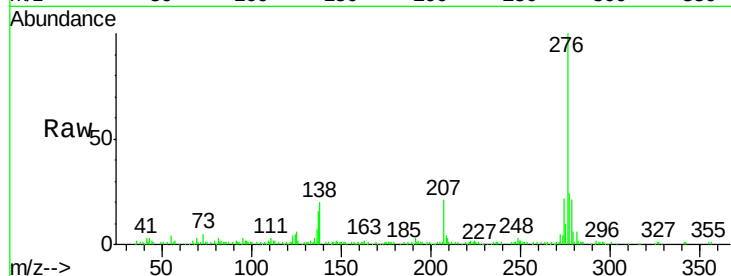




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.13 ng
 RT: 19.04 min Scan# 1562
 Delta R.T. 0.11 min
 Lab File: BF079726.D
 Acq: 5 Jun 2015 4:43

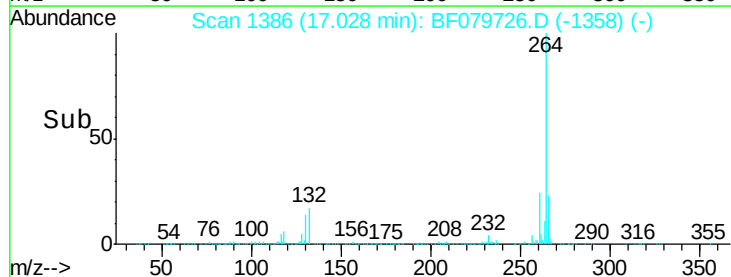
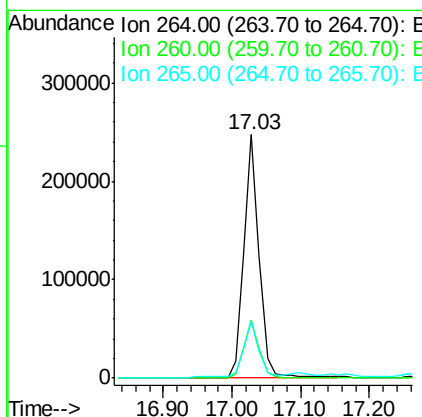
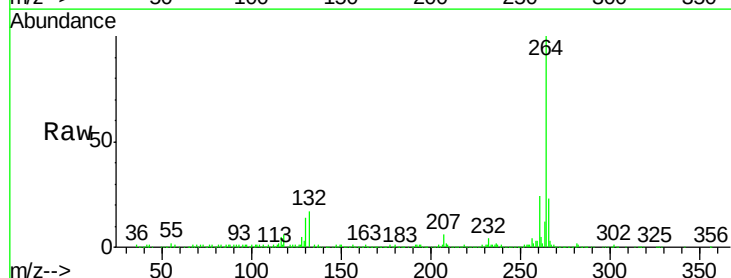
Instrument :
 BNA_F
 ClientSampleId :
 SW-027

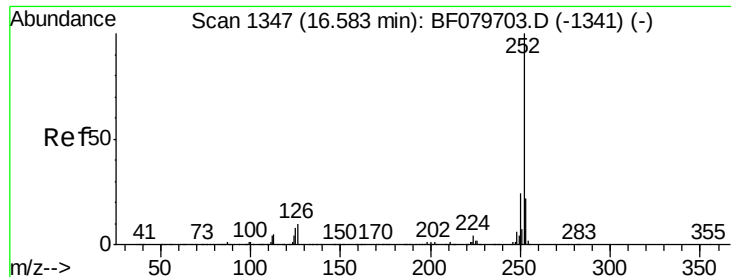
Tgt Ion: 276 Resp: 196689
 Ion Ratio Lower Upper
 276 100
 138 22.9 20.8 31.2
 277 22.7 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.03 min Scan# 1386
 Delta R.T. 0.11 min
 Lab File: BF079726.D
 Acq: 5 Jun 2015 4:43

Tgt Ion: 264 Resp: 381528
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 27.8
 265 23.4 18.2 27.4

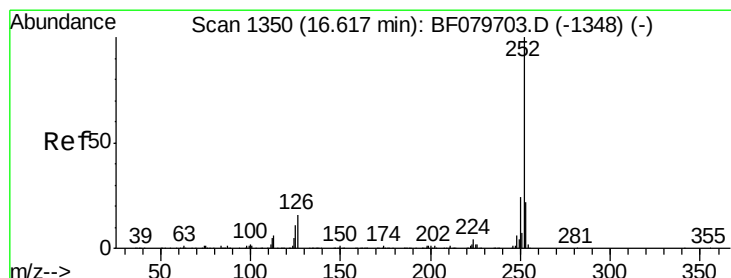
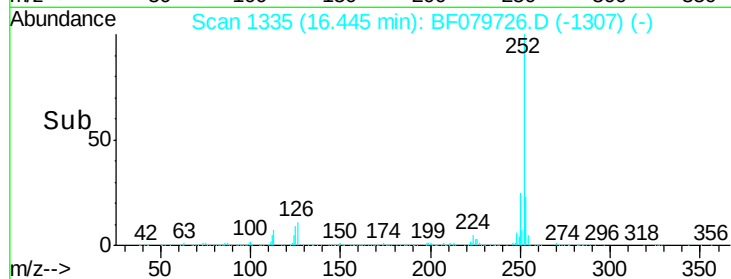
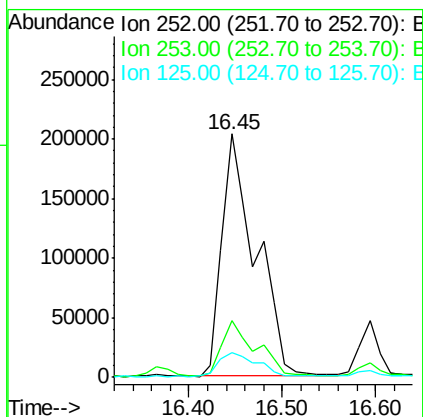
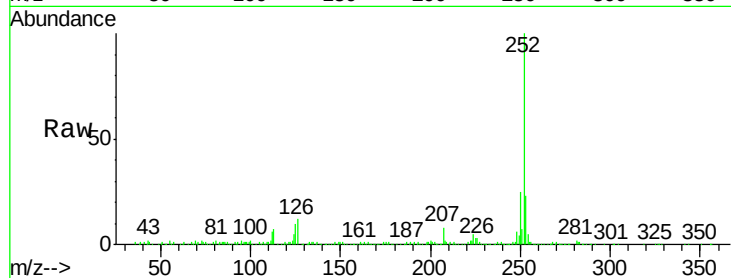




#87
Benzo(b)fluoranthene
Concen: 20.92 ng
RT: 16.45 min Scan# 1335
Delta R.T. 0.11 min
Lab File: BF079726.D
Acq: 5 Jun 2015 4:43

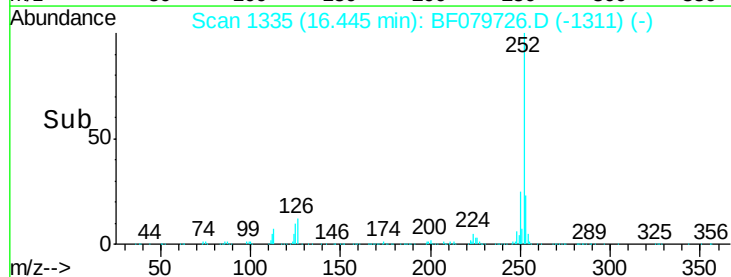
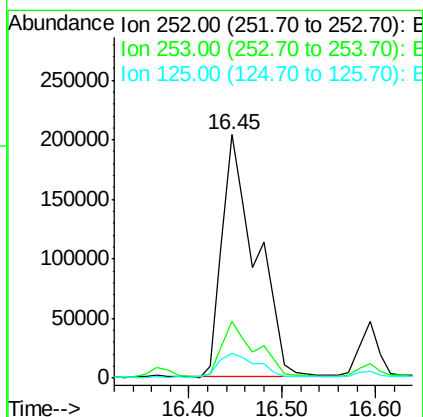
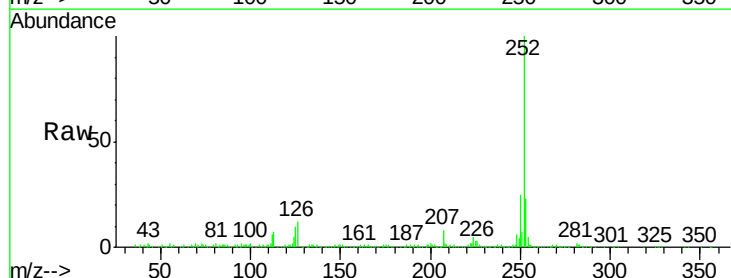
Instrument :
BNA_F
ClientSampled :
SW-027

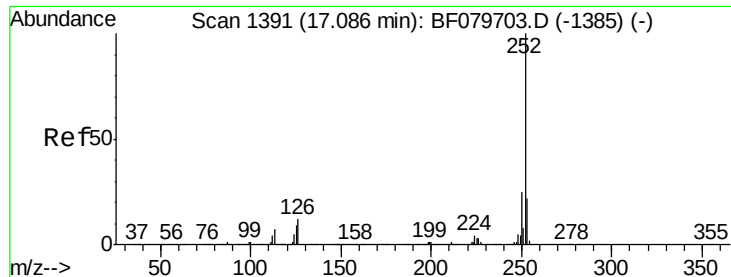
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.9	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 21.93 ng
RT: 16.45 min Scan# 1335
Delta R.T. 0.07 min
Lab File: BF079726.D
Acq: 5 Jun 2015 4:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	9.9	8.4	12.6





#89

Benzo(a)pyrene

Concen: 12.97 ng

RT: 16.95 min Scan# 1379

Delta R.T. 0.11 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027

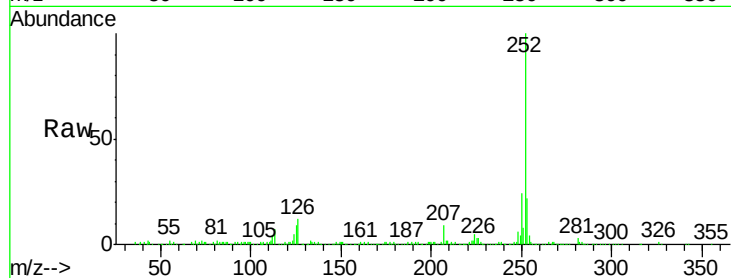
Tgt Ion:252 Resp: 291725

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

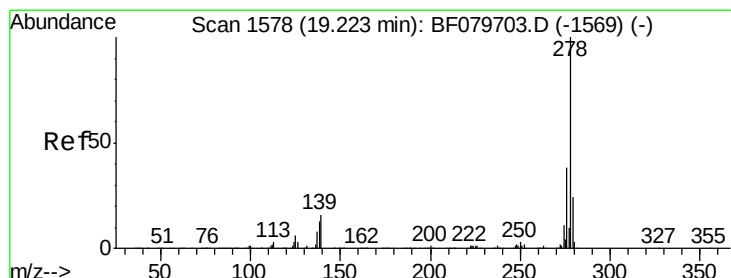
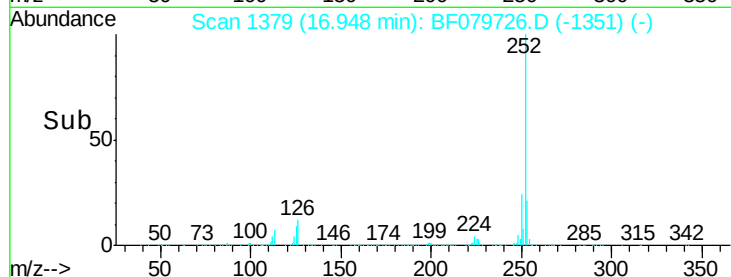
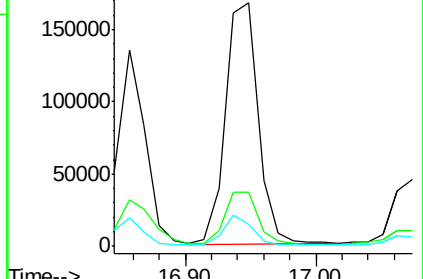
125 9.1 7.4 11.0



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



#90

Dibenzo(a,h)anthracene

Concen: 2.50 ng

RT: 19.05 min Scan# 1563

Delta R.T. 0.10 min

Lab File: BF079726.D

Acq: 5 Jun 2015 4:43

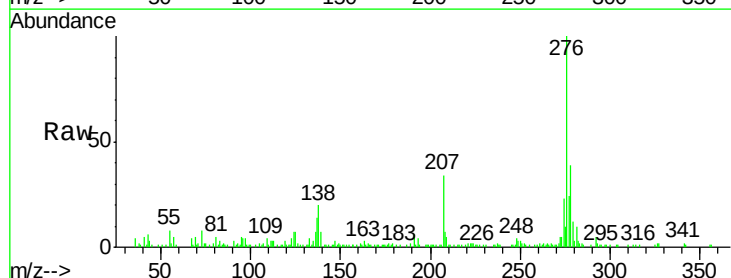
Tgt Ion:278 Resp: 51949

Ion Ratio Lower Upper

278 100

139 17.9 12.7 19.1

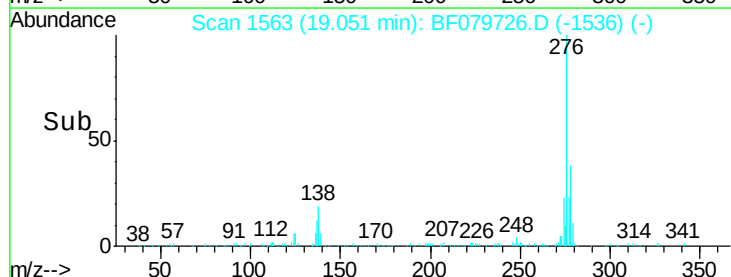
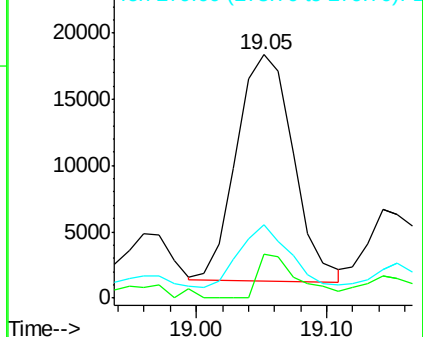
279 30.1 19.4 29.2#

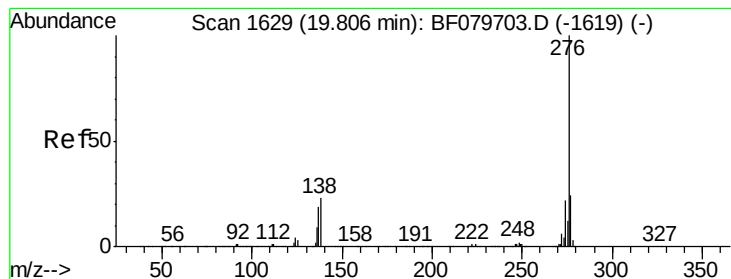


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.25 ng

RT: 19.65 min Scan# 1615

Delta R.T. 0.11 min

Lab File: BF079726.D

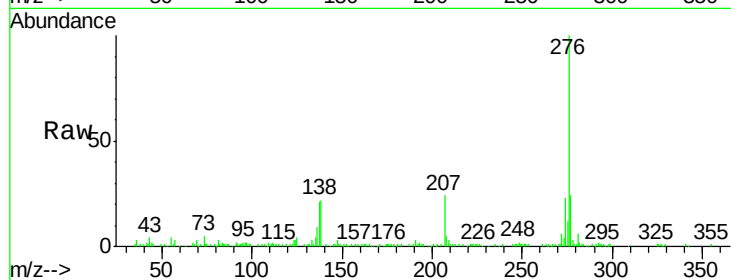
Acq: 5 Jun 2015 4:43

Instrument :

BNA_F

ClientSampleId :

SW-027



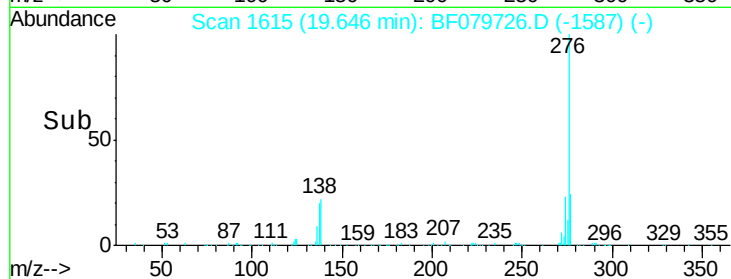
Tgt Ion: 276 Resp: 196432

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 22.1 18.2 27.2



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

