

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079724.D
 Acq On : 5 Jun 2015 3:45
 Operator : TP/IZ
 Sample : G2474-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Quant Time: Jun 06 03:33:37 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	98503	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	383845	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	192649	20.00	ng	0.00
63) Phenanthrene-d10	12.08	188	389464	20.00	ng	0.00
75) Chrysene-d12	14.99	240	423778	20.00	ng	0.01
86) Perylene-d12	16.93	264	417505	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.12	112	625588	108.90	ng	0.00
7) Phenol-d6	7.11	99	865701	115.76	ng	0.01
23) Nitrobenzene-d5	8.07	82	448002	71.06	ng	0.00
41) 2,4,6-Tribromophenol	11.37	330	206211	119.20	ng	0.00
44) 2-Fluorobiphenyl	9.87	172	1016508	76.39	ng	0.00
78) Terphenyl-d14	13.75	244	1234508	68.63	ng	0.01

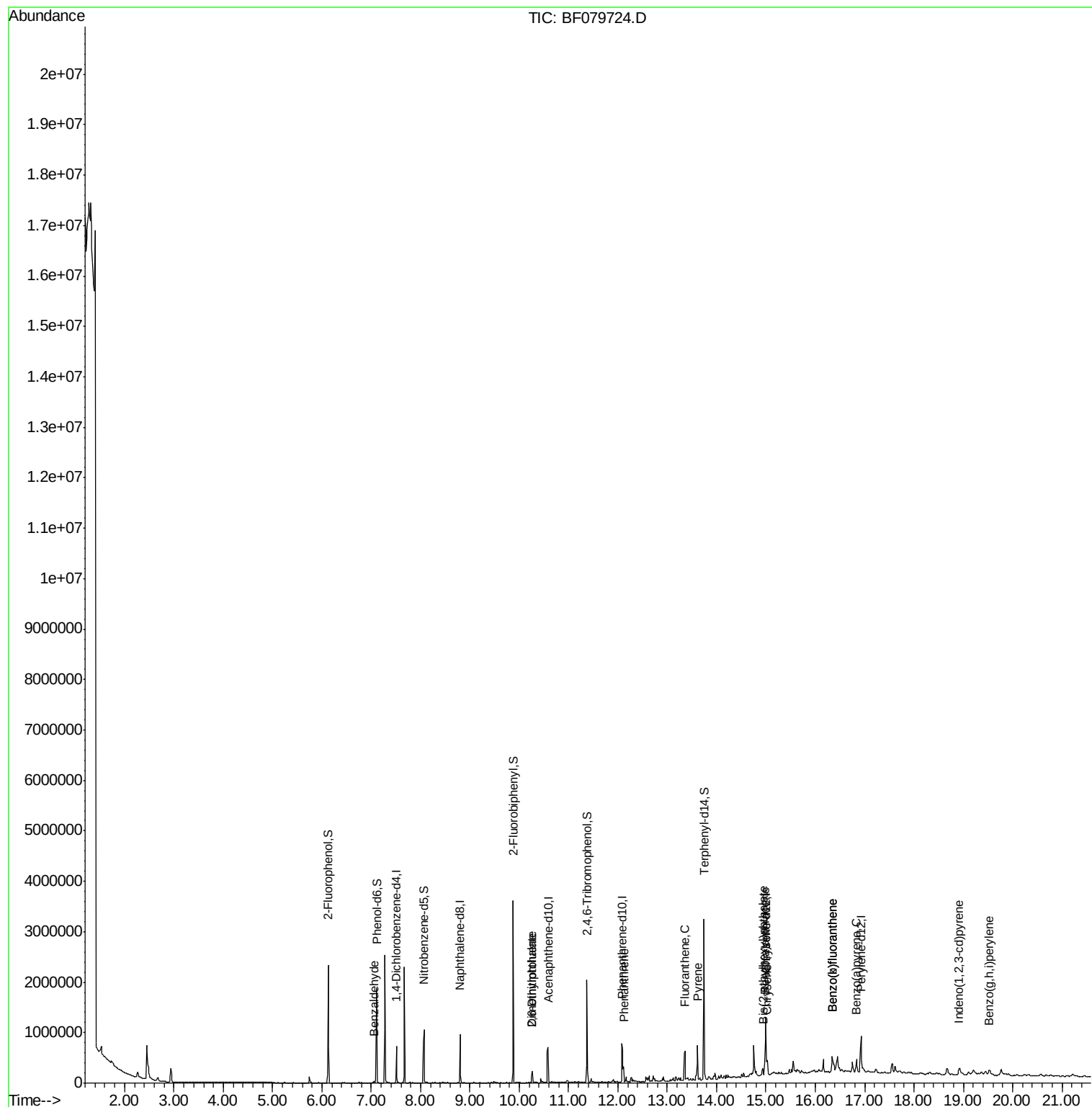
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.05	77	9434	2.01	ng	94
49) Dimethylphthalate	10.26	163	107989	7.28	ng	# 97
50) 2,6-Dinitrotoluene	10.26	165	1288	3.48	ng	# 46
70) Phenanthrene	12.11	178	164207	7.25	ng	96
74) Fluoranthene	13.36	202	353673	14.39	ng	94
77) Pyrene	13.61	202	323347	12.28	ng	98
80) Benzo(a)anthracene	14.98	228	159697	6.16	ng	96
82) Chrysene	15.03	228	180729	7.45	ng	97
83) Bis(2-ethylhexyl)phthalate	14.94	149	50945	3.20	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.91	276	118940	4.35	ng	95
87) Benzo(b)fluoranthene	16.34	252	310661	11.53	ng	# 97
88) Benzo(k)fluoranthene	16.34	252	310661	12.09	ng	99
89) Benzo(a)pyrene	16.83	252	156551	6.36	ng	# 96
91) Benzo(g,h,i)perylene	19.53	276	116822	5.03	ng	99

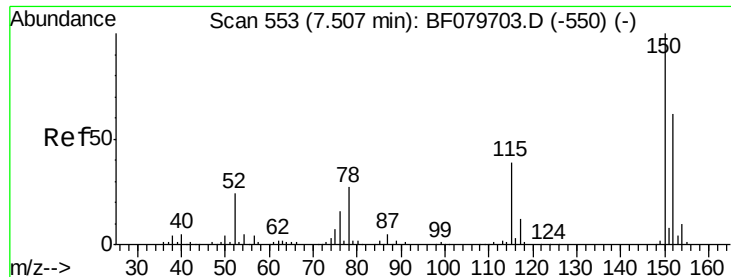
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079724.D
Acq On : 5 Jun 2015 3:45
Operator : TP/IZ
Sample : G2474-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C-3

Quant Time: Jun 06 03:33:37 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: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

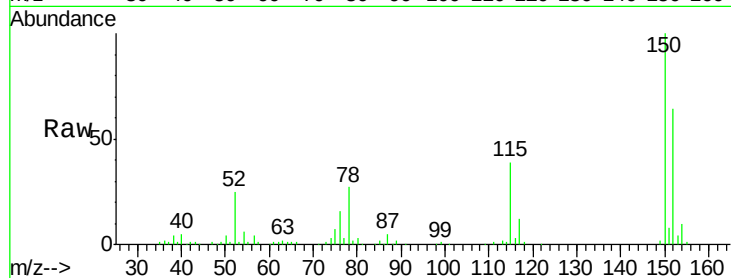
Tgt Ion:152 Resp: 98503

Ion Ratio Lower Upper

152 100

150 157.3 128.1 192.1

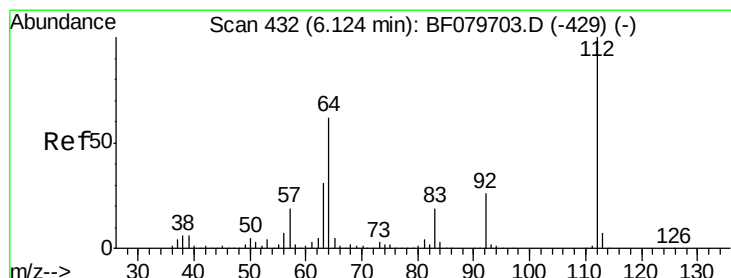
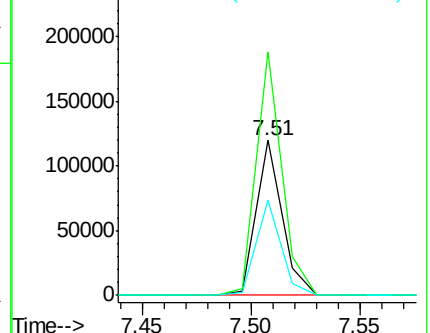
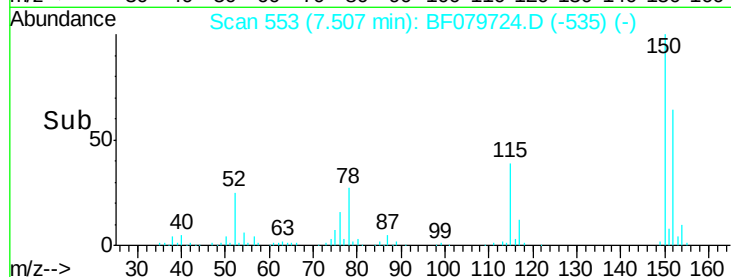
115 61.2 49.7 74.5



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: 108.90 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

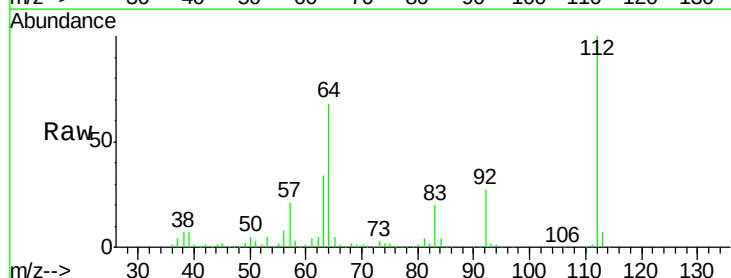
Tgt Ion:112 Resp: 625588

Ion Ratio Lower Upper

112 100

64 67.8 49.6 74.4

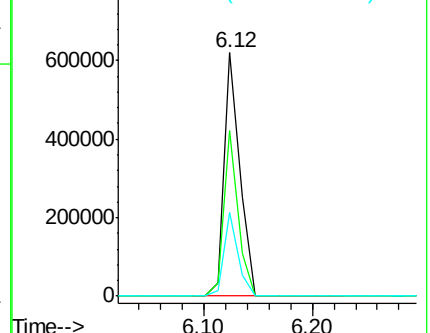
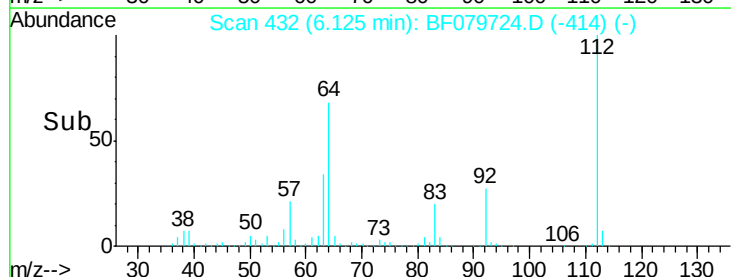
63 34.2 24.9 37.3

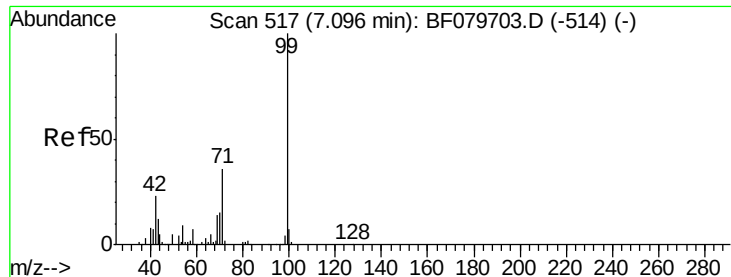


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.76 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

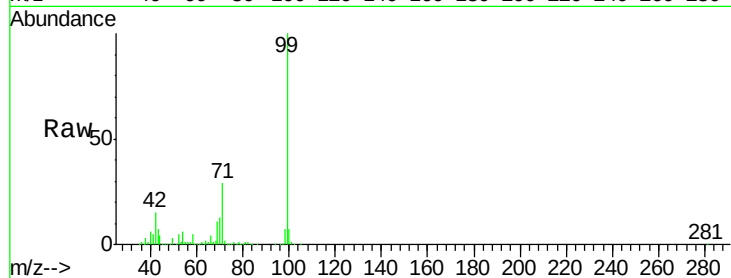
Tgt Ion: 99 Resp: 865701

Ion Ratio Lower Upper

99 100

42 14.6 18.0 27.0#

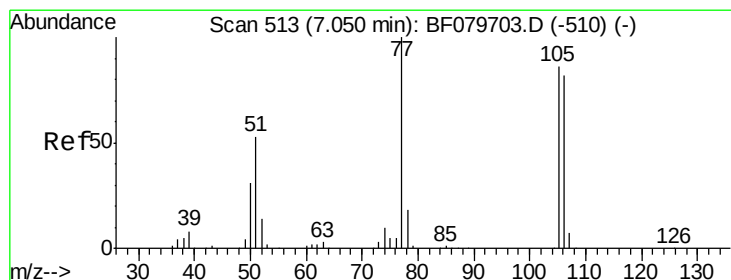
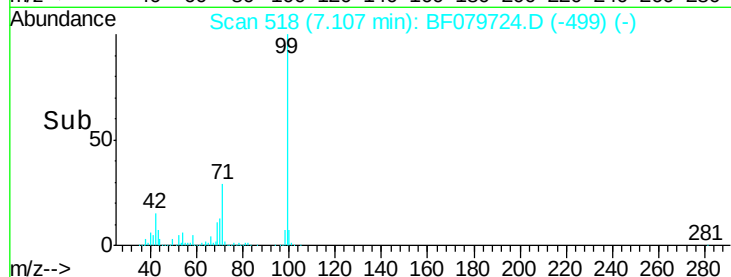
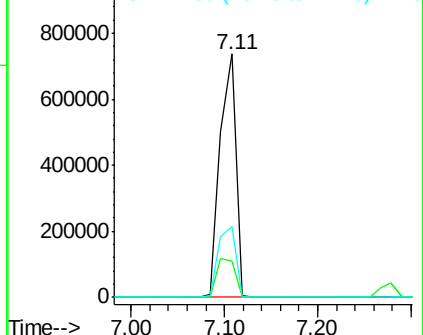
71 29.2 28.4 42.6



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



#9

Benzaldehyde

Concen: 2.01 ng

RT: 7.05 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

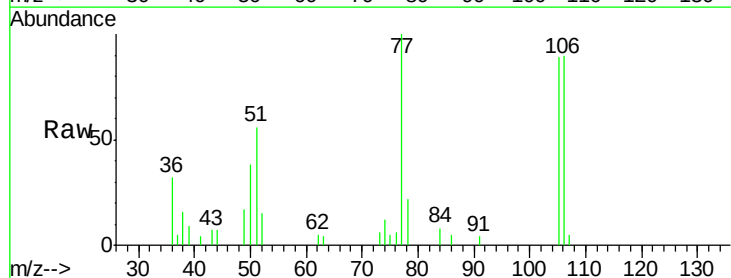
Tgt Ion: 77 Resp: 9434

Ion Ratio Lower Upper

77 100

105 89.2 66.1 106.1

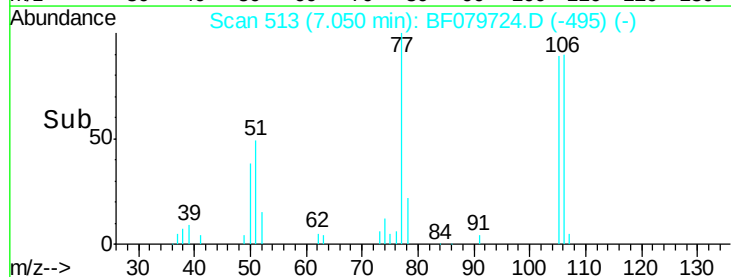
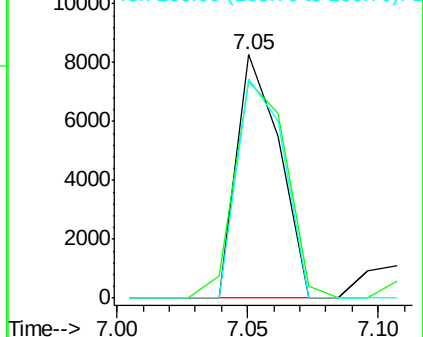
106 89.9 61.9 101.9

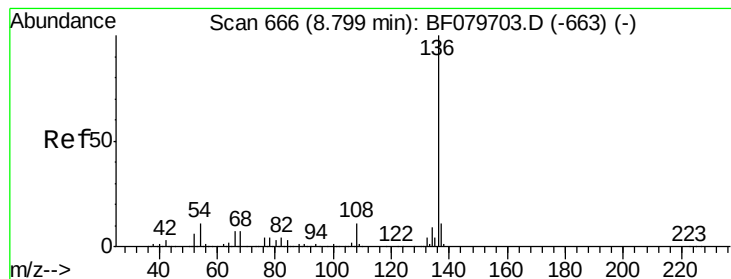


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

Tgt Ion: 136 Resp: 383845

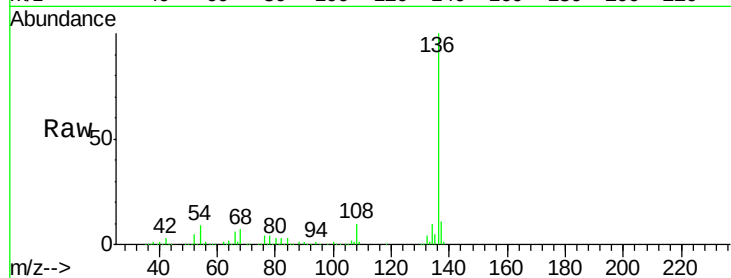
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.0 8.7 13.1

68 6.5 5.8 8.8

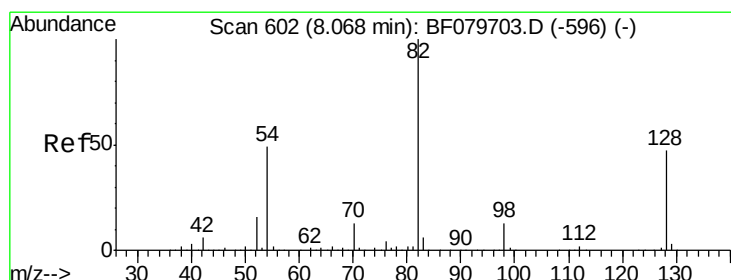
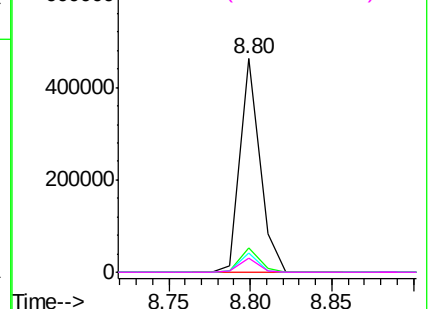
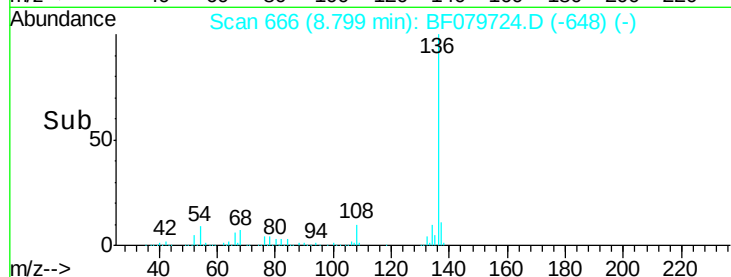


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.06 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

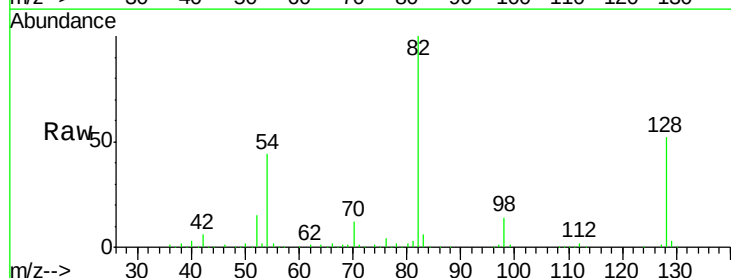
Tgt Ion: 82 Resp: 448002

Ion Ratio Lower Upper

82 100

128 52.2 37.6 56.4

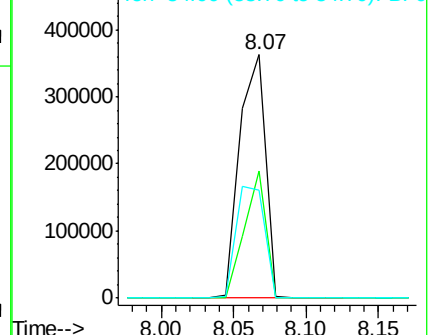
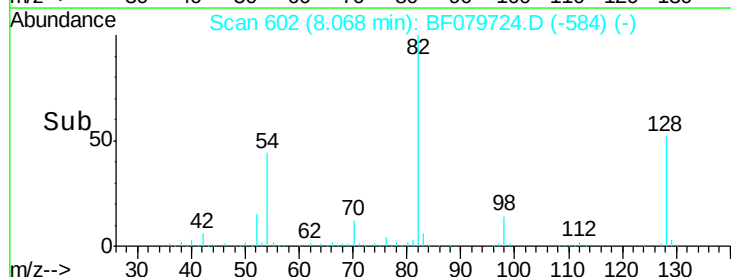
54 44.1 39.4 59.2

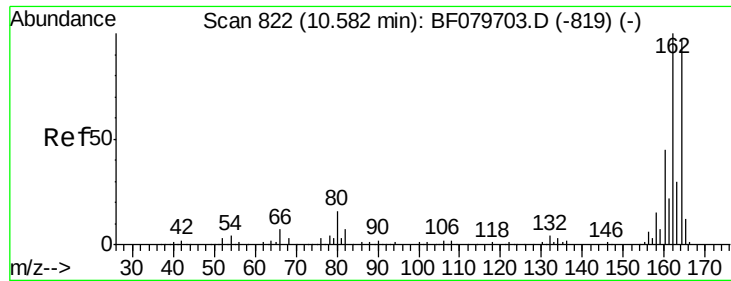


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

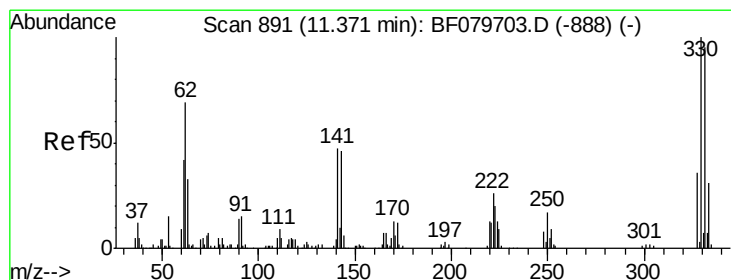
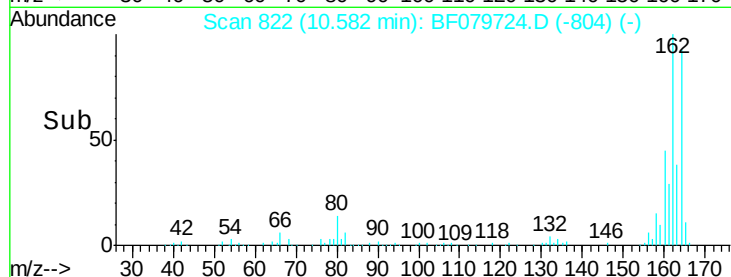
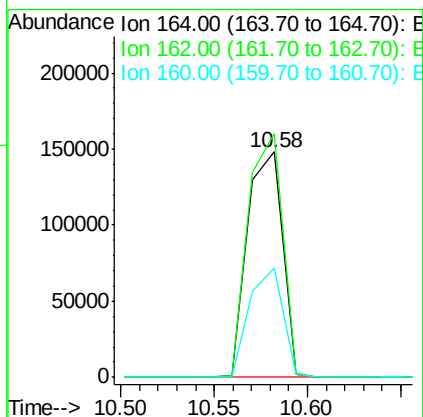
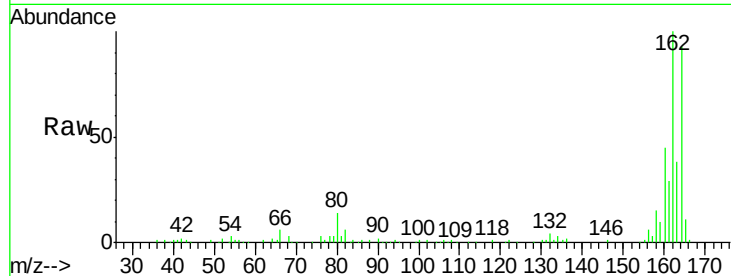




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

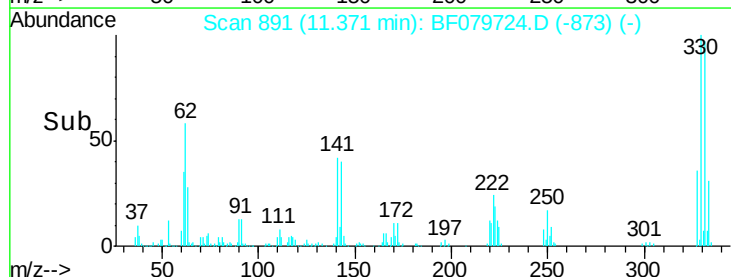
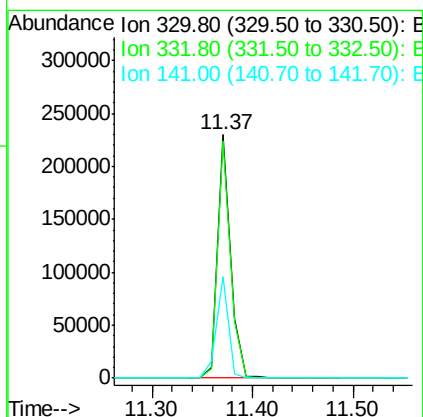
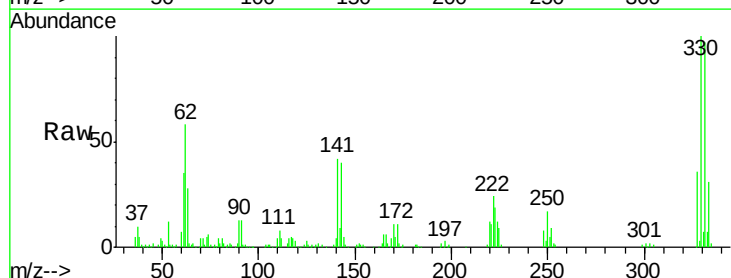
Instrument :
 BNA_F
 ClientSampleId :
 C-3

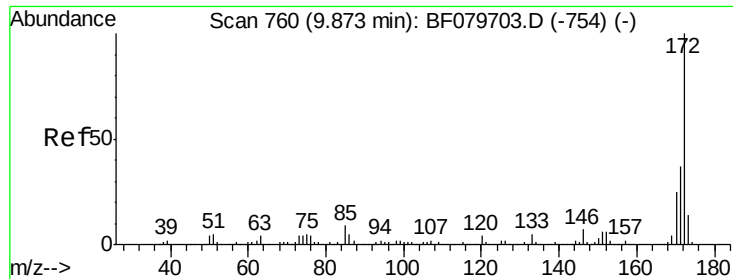
Tgt Ion:164 Resp: 192649
 Ion Ratio Lower Upper
 164 100
 162 107.9 82.6 123.8
 160 48.2 36.8 55.2



#41
 2,4,6-Tribromophenol
 Concen: 119.20 ng
 RT: 11.37 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

Tgt Ion:330 Resp: 206211
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.0
 141 39.2 30.2 45.2

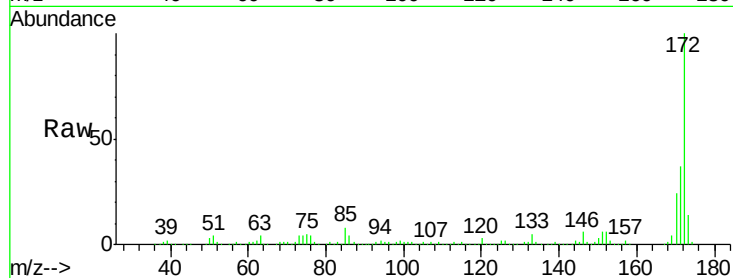




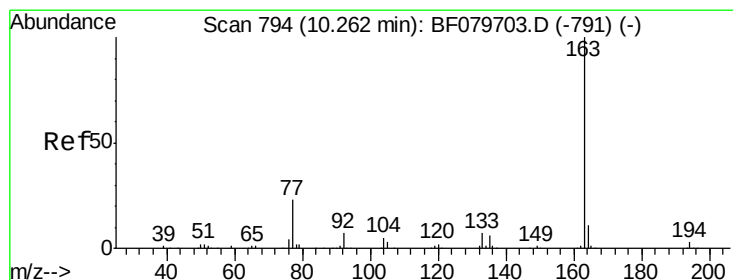
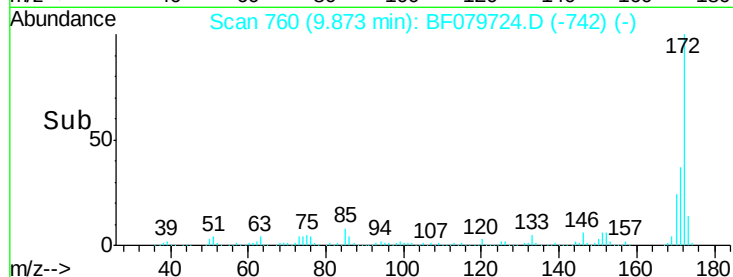
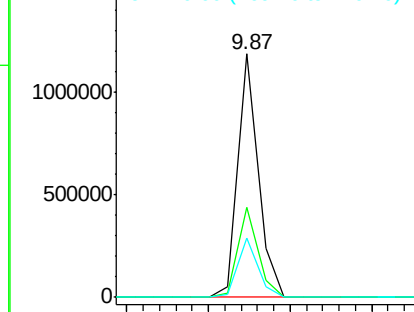
#44
 2-Fluorobiphenyl
 Concen: 76.39 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Tgt Ion:172 Resp: 1016508
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.3 19.7 29.5

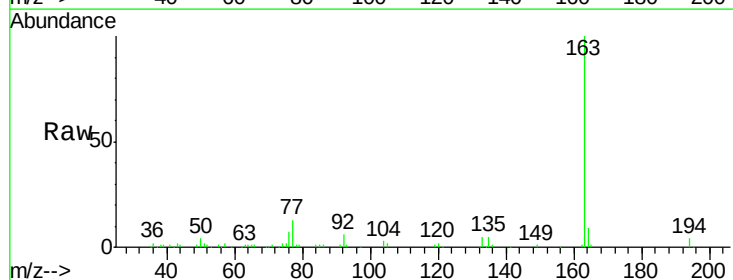


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

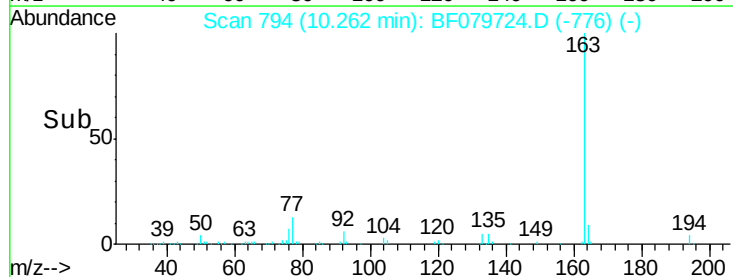
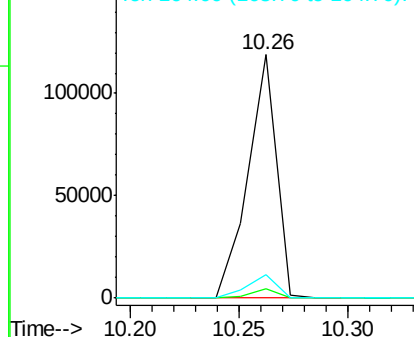


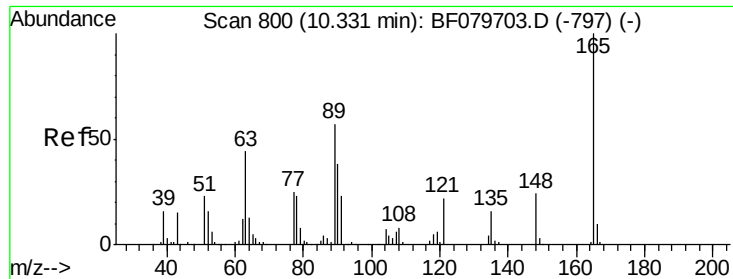
#49
 Dimethylphthalate
 Concen: 7.28 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

Tgt Ion:163 Resp: 107989
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.6 3.8#
 164 9.5 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

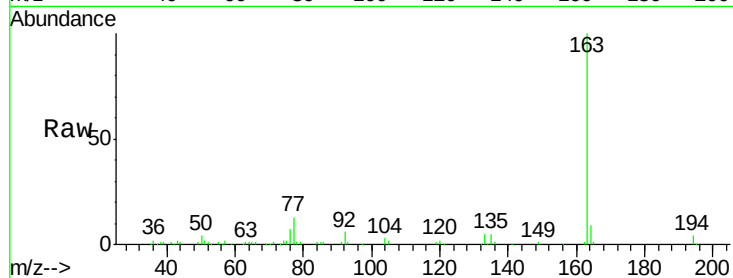




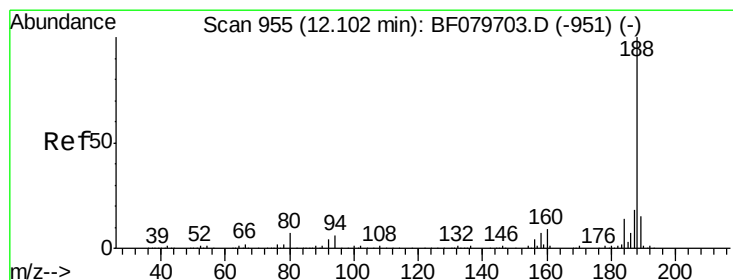
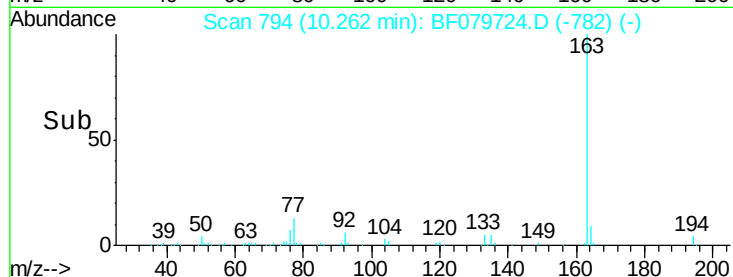
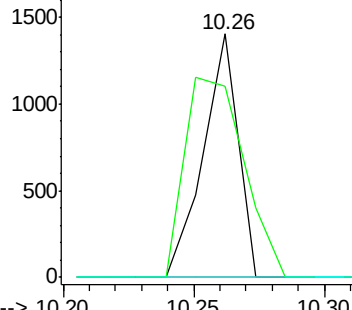
#50
2,6-Dinitrotoluene
Concen: 3.48 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF079724.D
Acq: 5 Jun 2015 3:45

Instrument :
BNA_F
ClientSampleId :
C-3

Tgt Ion:165 Resp: 1288
Ion Ratio Lower Upper
165 100
63 78.5 45.2 67.8#
89 0.0 45.9 68.9#

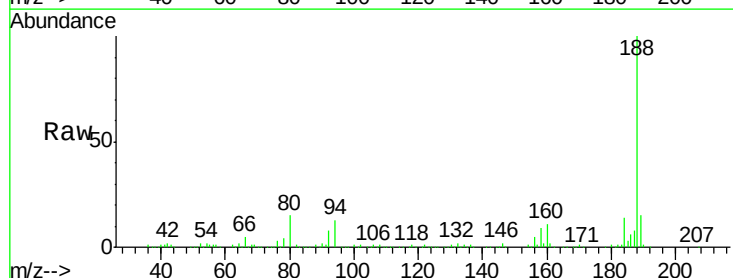


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

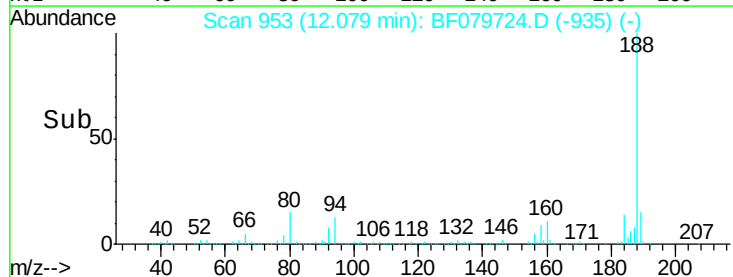
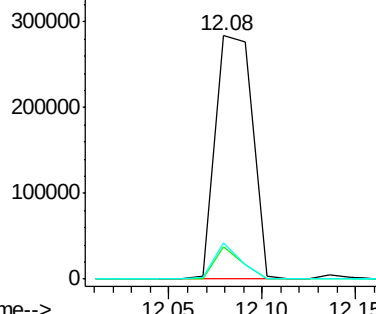


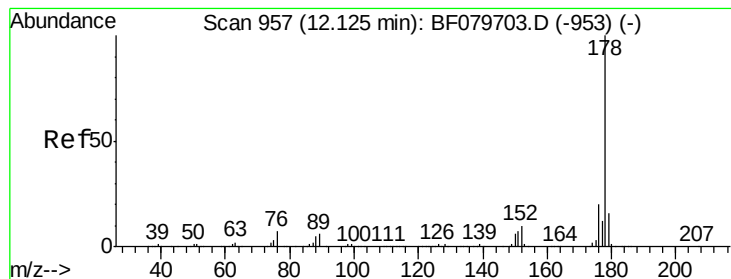
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF079724.D
Acq: 5 Jun 2015 3:45

Tgt Ion:188 Resp: 389464
Ion Ratio Lower Upper
188 100
94 13.2 5.0 7.4#
80 14.8 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: 7.25 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

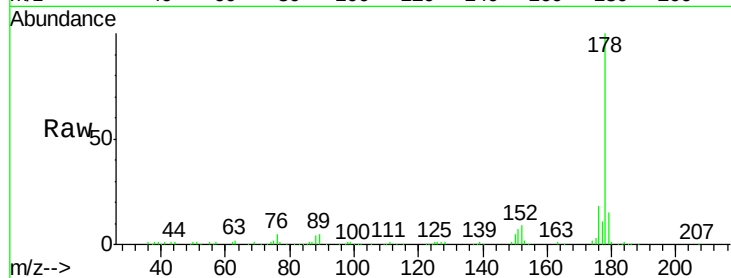
Tgt Ion:178 Resp: 164207

Ion Ratio Lower Upper

178 100

176 17.7 16.2 24.4

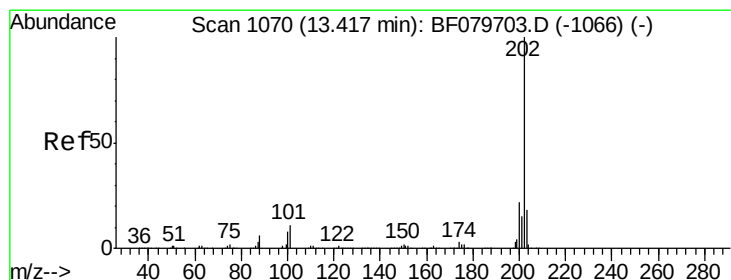
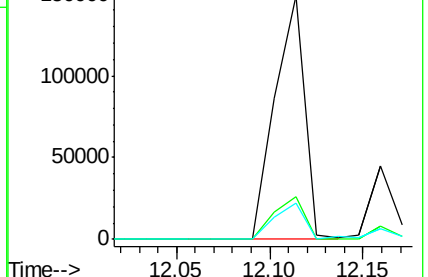
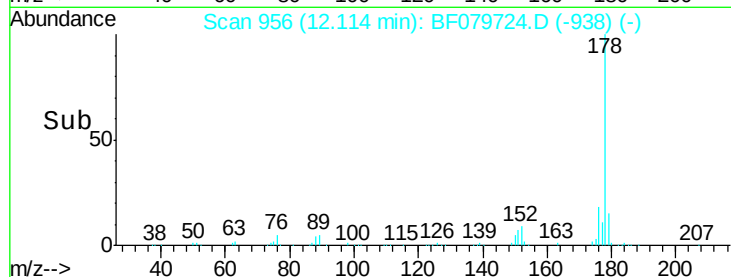
179 14.7 12.6 19.0



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



#74

Fluoranthene

Concen: 14.39 ng

RT: 13.36 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

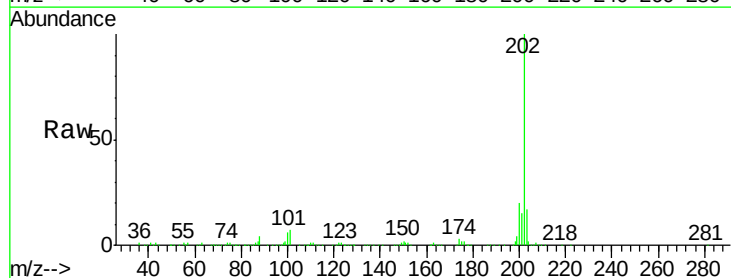
Tgt Ion:202 Resp: 353673

Ion Ratio Lower Upper

202 100

101 7.1 0.0 31.3

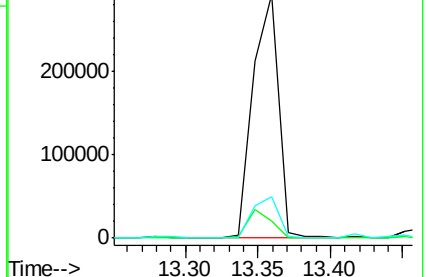
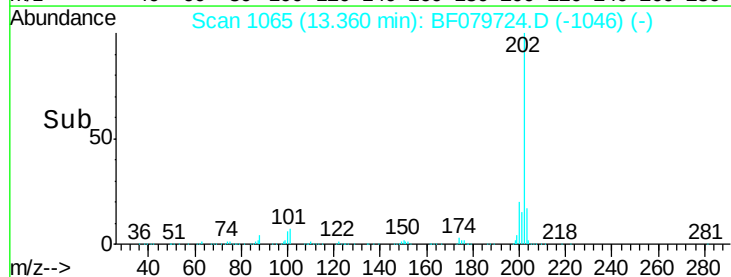
203 17.2 0.0 38.4

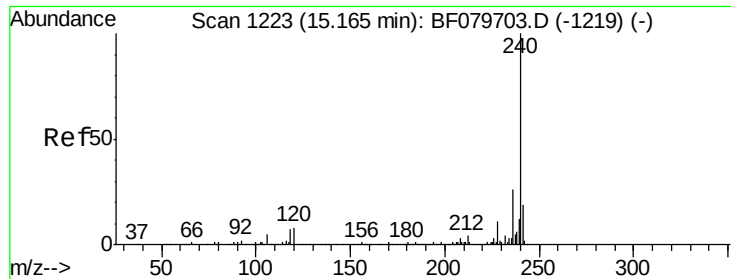


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.99 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampled :

C-3

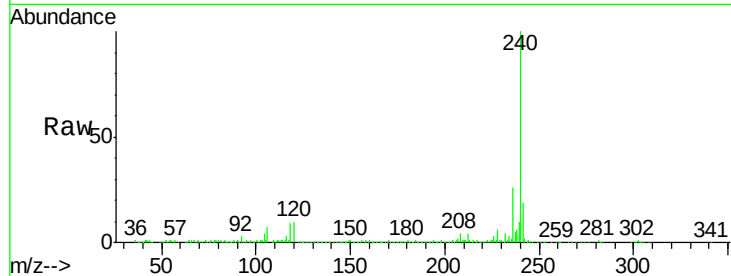
Tgt Ion:240 Resp: 423778

Ion Ratio Lower Upper

240 100

120 9.8 6.2 9.2#

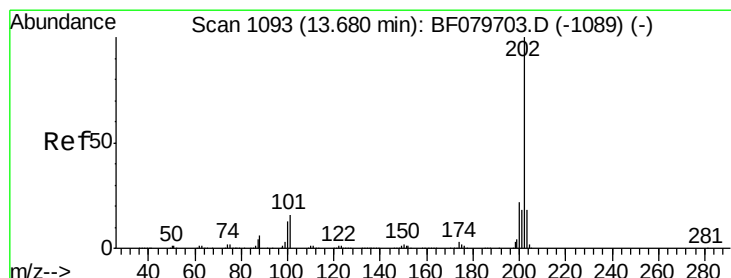
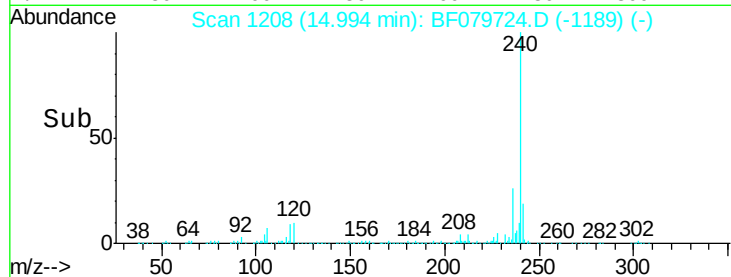
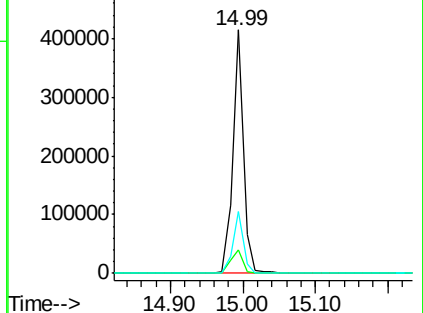
236 25.5 21.0 31.4



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: 12.28 ng

RT: 13.61 min Scan# 1087

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

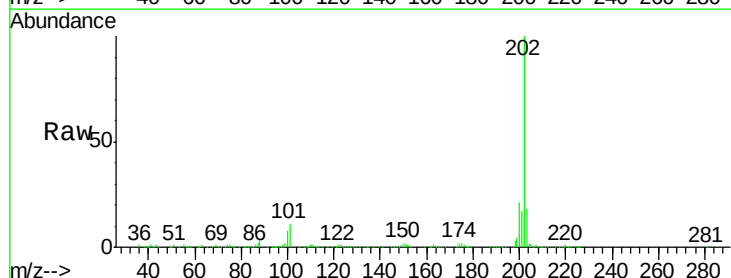
Tgt Ion:202 Resp: 323347

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

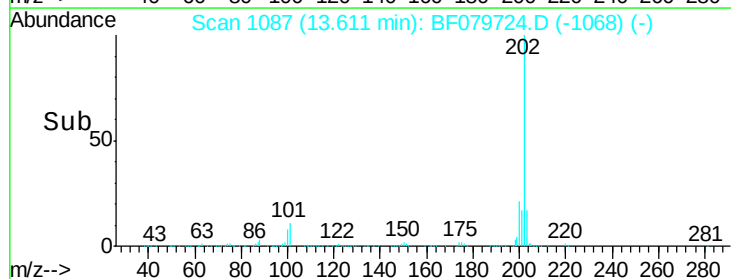
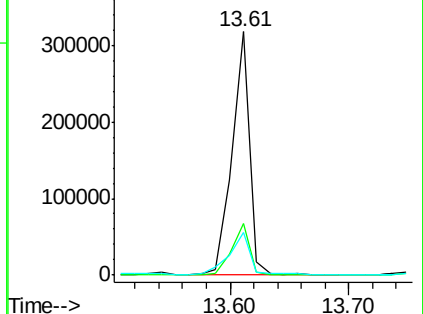
203 17.6 14.8 22.2

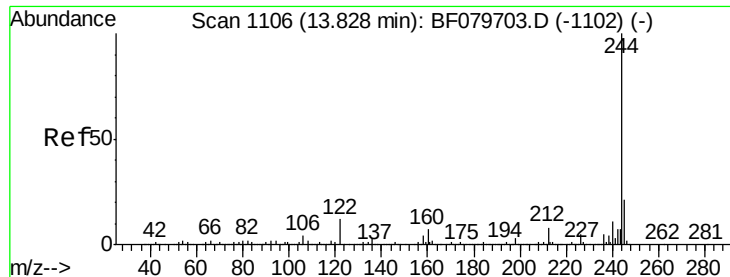


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.63 ng

RT: 13.75 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

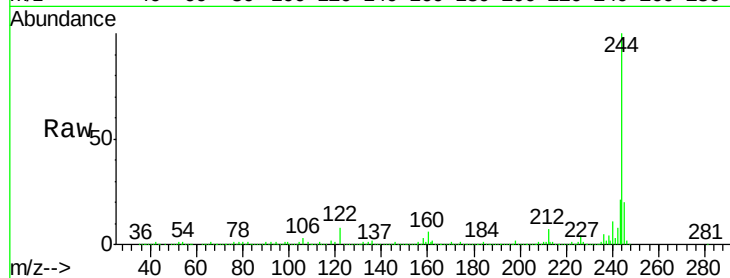
Tgt Ion:244 Resp: 1234508

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

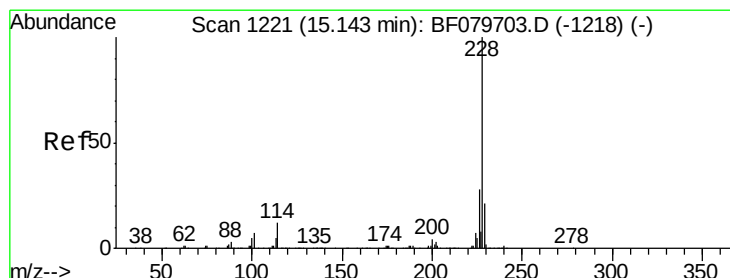
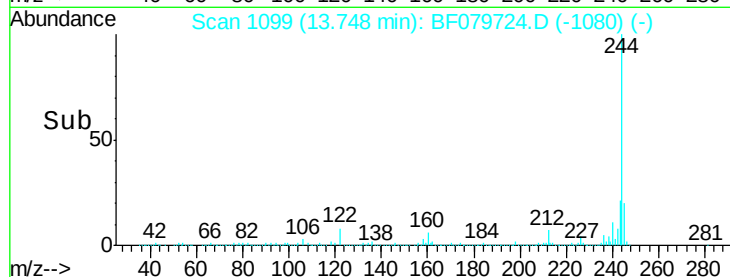
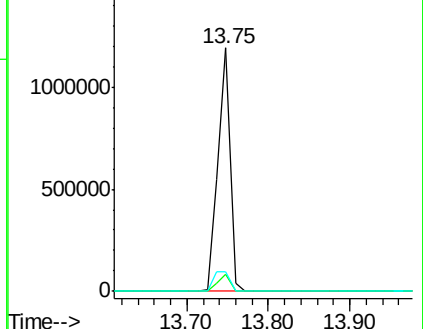
122 8.1 9.3 13.9#



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: 6.16 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

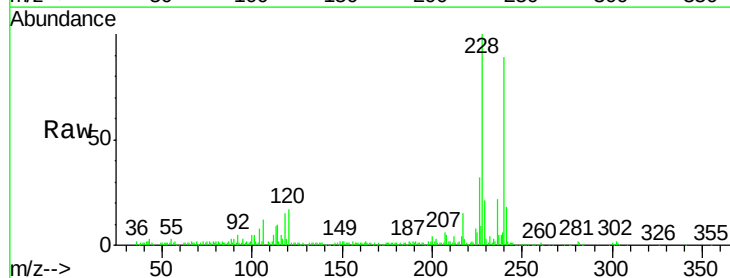
Tgt Ion:228 Resp: 159697

Ion Ratio Lower Upper

228 100

226 31.5 22.2 33.4

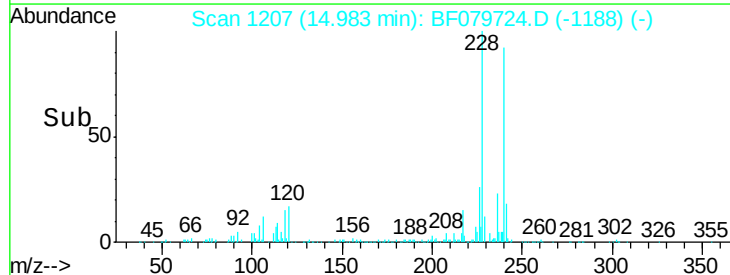
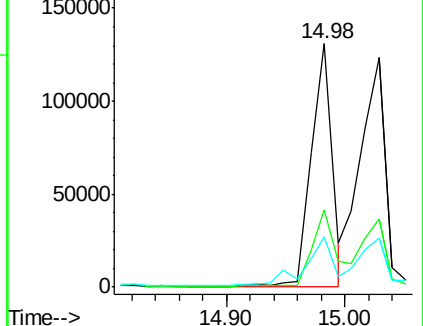
229 20.8 16.6 25.0

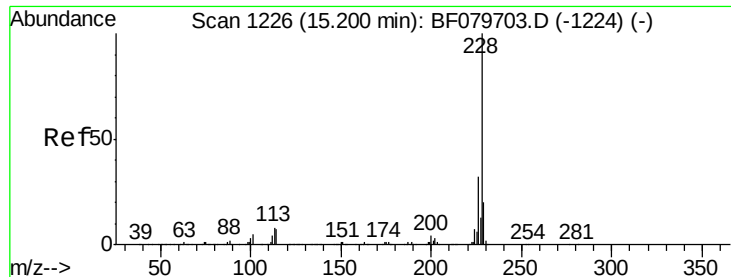


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.45 ng

RT: 15.03 min Scan# 1211

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

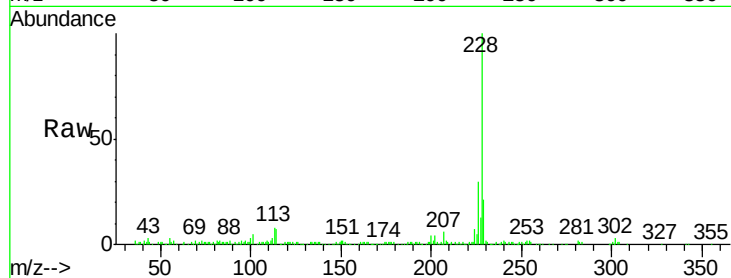
Tgt Ion:228 Resp: 180729

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

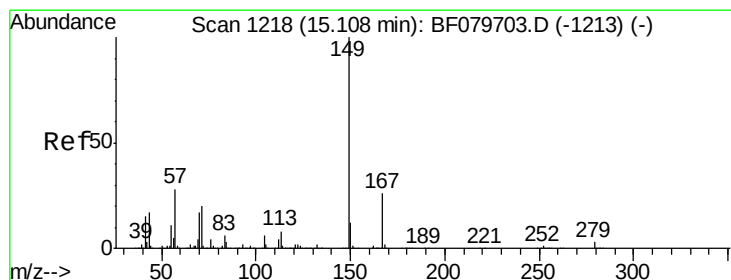
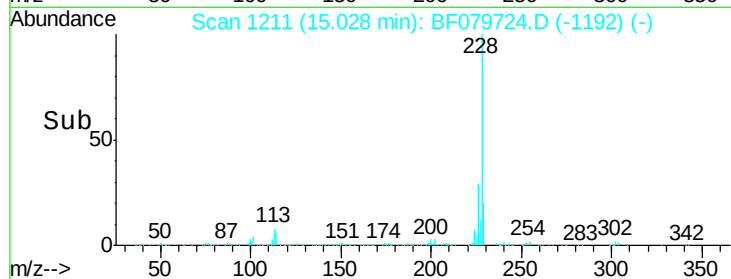
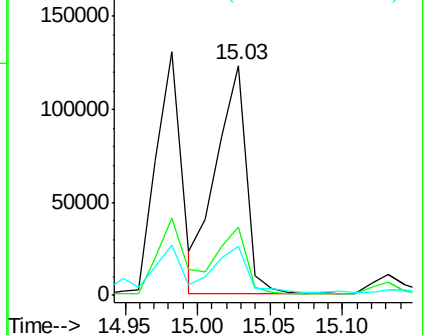
229 21.3 16.2 24.4



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: 3.20 ng

RT: 14.94 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

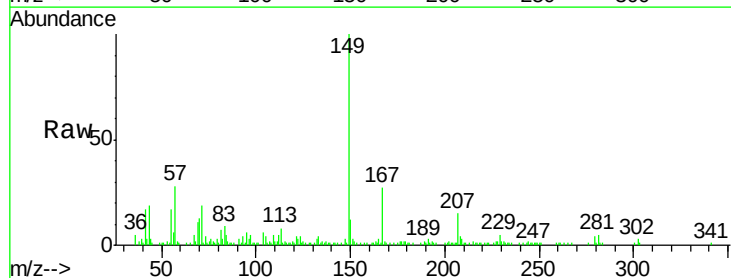
Tgt Ion:149 Resp: 50945

Ion Ratio Lower Upper

149 100

167 27.4 20.9 31.3

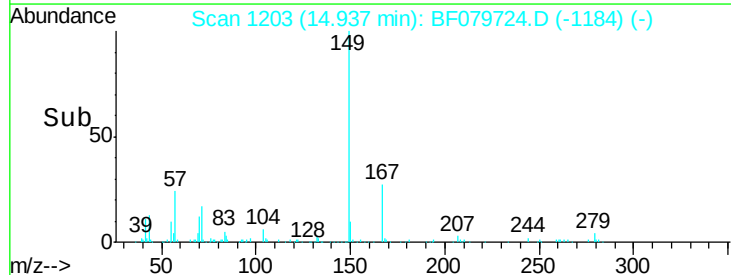
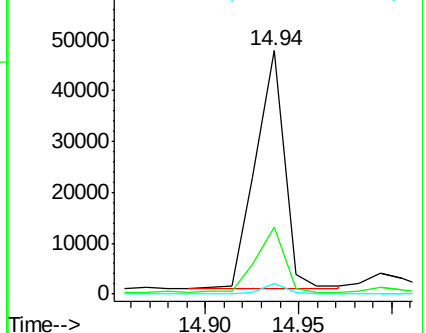
279 4.4 2.2 3.2#

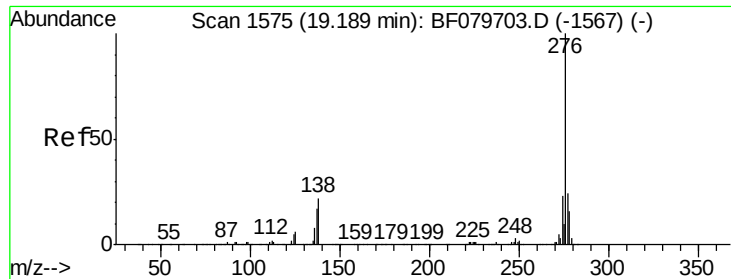


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

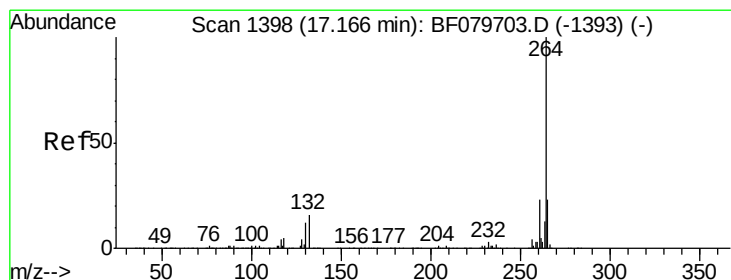
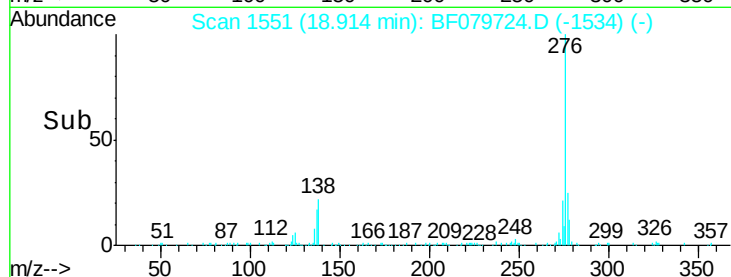
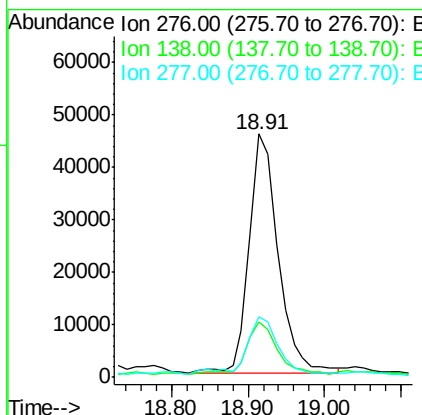
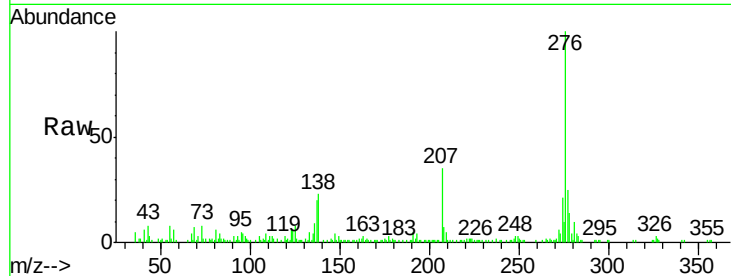




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.35 ng
 RT: 18.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

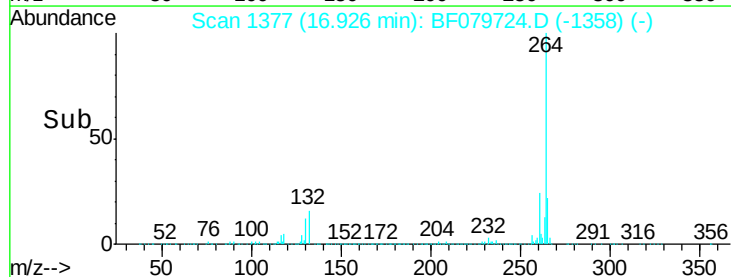
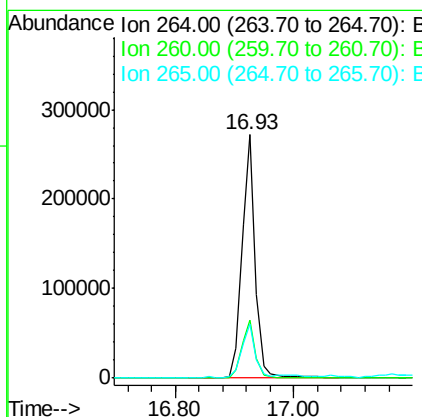
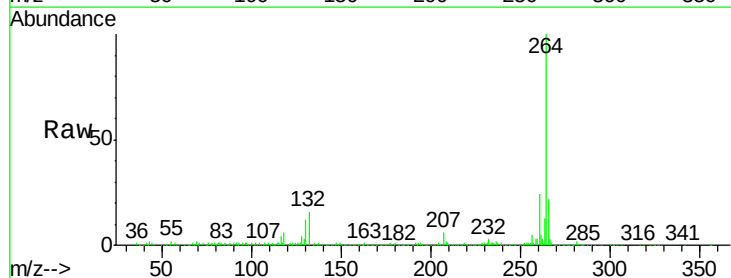
Instrument :
 BNA_F
 ClientSampleId :
 C-3

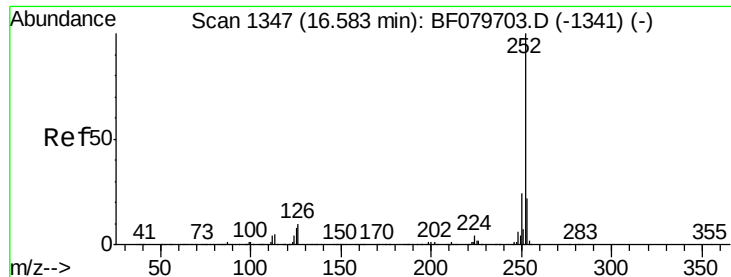
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.8	31.2
277	24.8	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.93 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: BF079724.D
 Acq: 5 Jun 2015 3:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.3	18.2	27.4

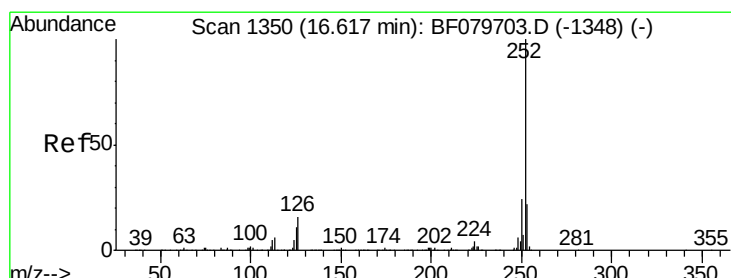
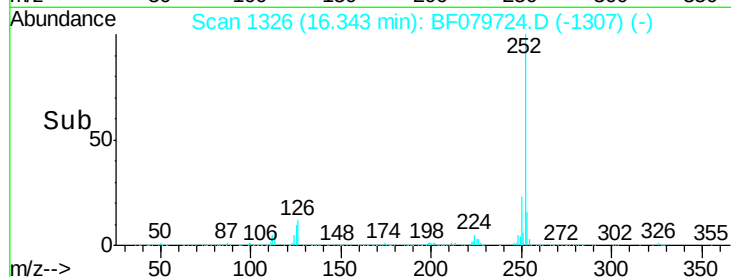
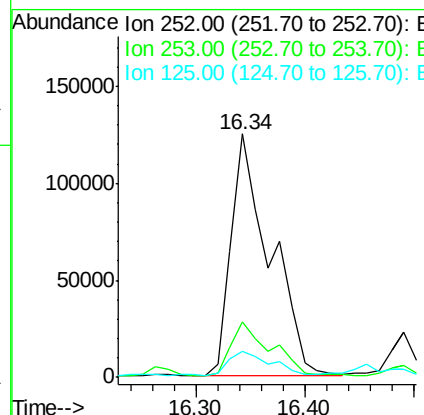
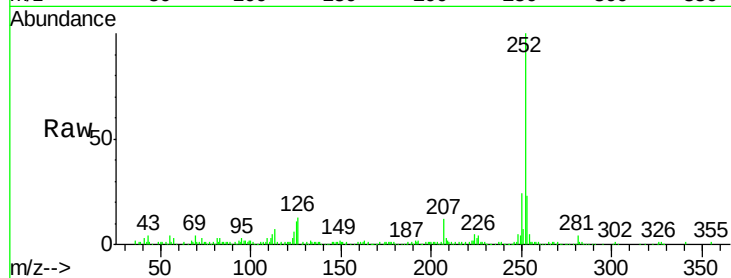




#87
Benzo(b)fluoranthene
Concen: 11.53 ng
RT: 16.34 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF079724.D
Acq: 5 Jun 2015 3:45

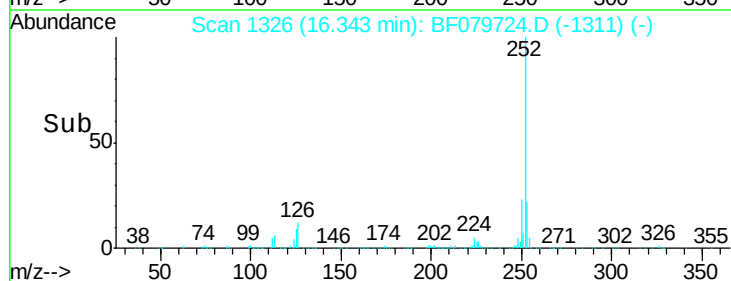
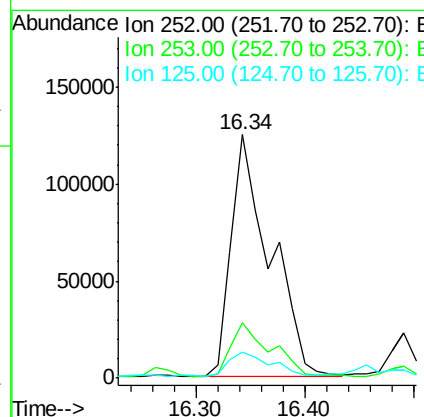
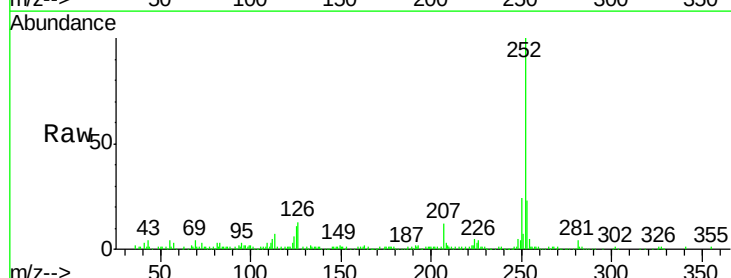
Instrument :
BNA_F
ClientSampleId :
C-3

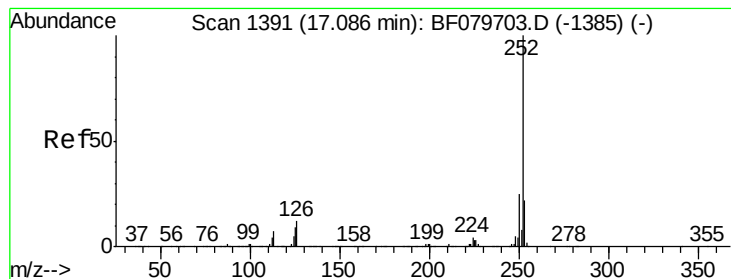
Tgt Ion: 252 Resp: 310661
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.6 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 12.09 ng
RT: 16.34 min Scan# 1326
Delta R.T. -0.03 min
Lab File: BF079724.D
Acq: 5 Jun 2015 3:45

Tgt Ion: 252 Resp: 310661
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 10.6 8.4 12.6





#89

Benzo(a)pyrene

Concen: 6.36 ng

RT: 16.83 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

Instrument :

BNA_F

ClientSampleId :

C-3

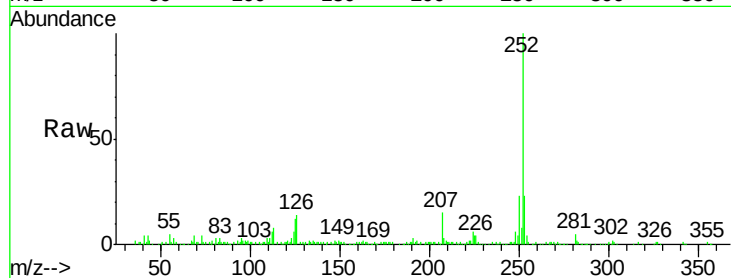
Tgt Ion:252 Resp: 156551

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

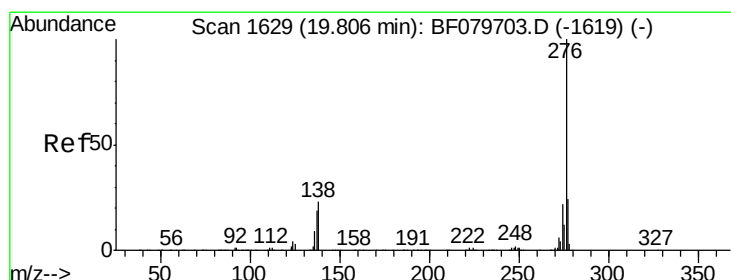
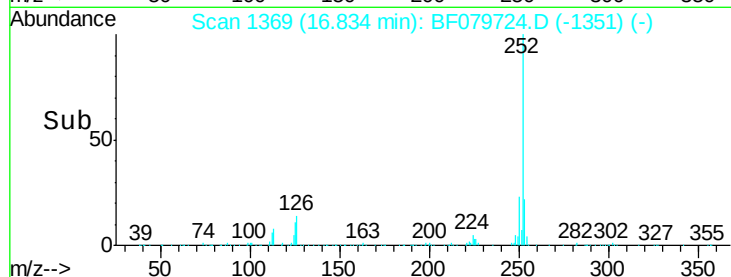
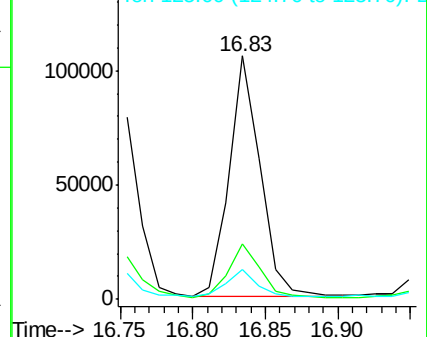
125 12.4 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 5.03 ng

RT: 19.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF079724.D

Acq: 5 Jun 2015 3:45

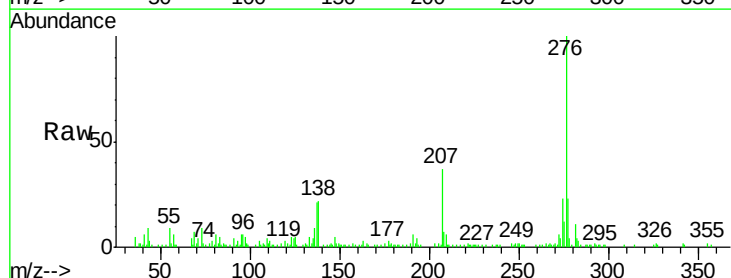
Tgt Ion:276 Resp: 116822

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 21.8 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

