

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079694.D
 Acq On : 4 Jun 2015 8:20
 Operator : TP/IZ
 Sample : G2420-28 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.14(5)

Quant Time: Jun 04 15:01:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 14:55:40 2015
 Response via : Initial Calibration

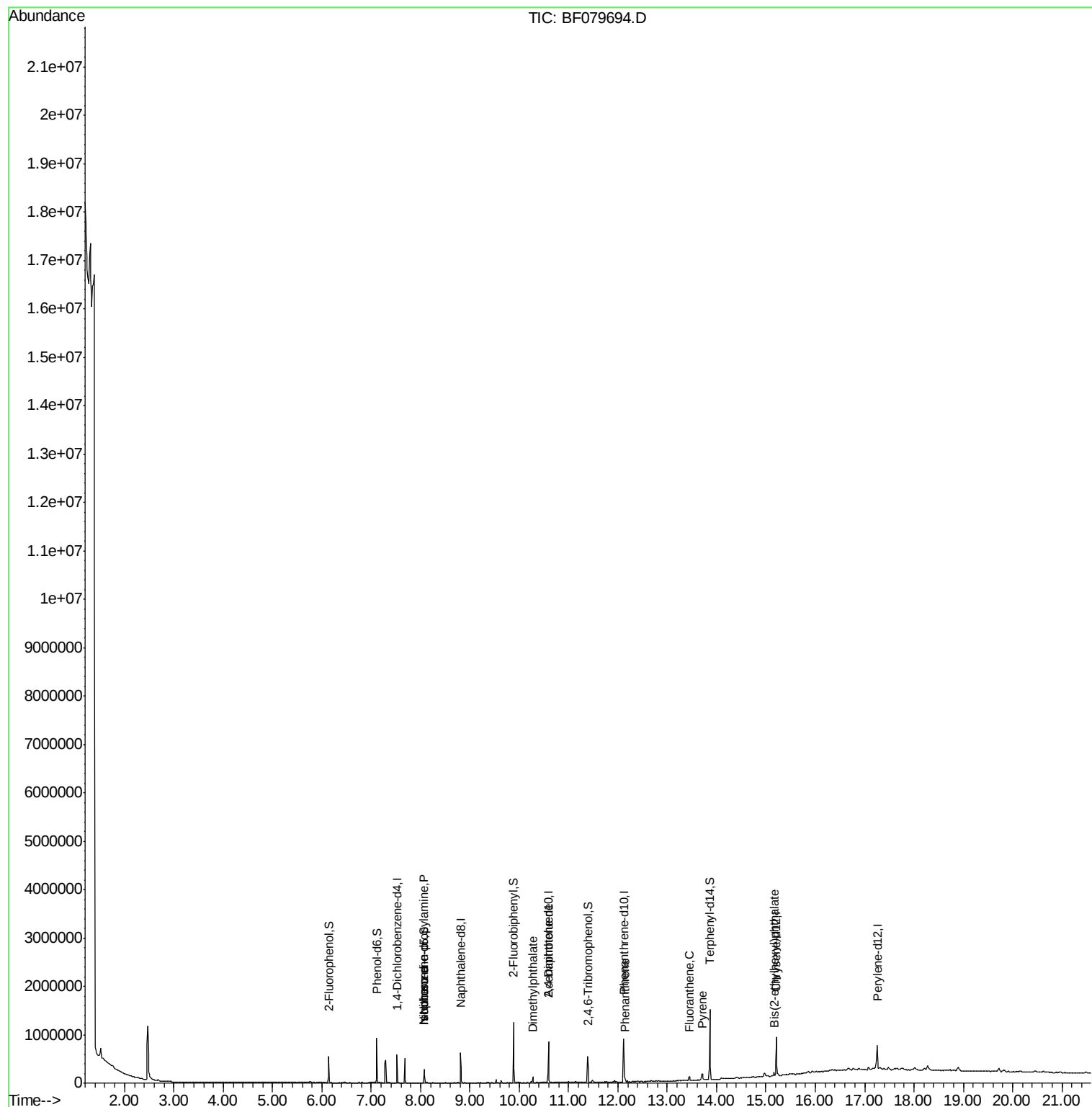
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	81200	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	303656	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	162523	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	315650	20.00	ng	-0.02
75) Chrysene-d12	15.21	240	325344	20.00	ng	-0.17
86) Perylene-d12	17.26	264	304356	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	137582	31.11	ng	0.00
7) Phenol-d6	7.11	99	265162	44.14	ng	0.00
23) Nitrobenzene-d5	8.07	82	104853	17.71	ng	-0.01
41) 2,4,6-Tribromophenol	11.39	330	63454	47.31	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	376303	27.81	ng	0.00
78) Terphenyl-d14	13.86	244	473364	30.69	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.07	70	14299	3.55	ng	# 86
25) Isophorone	8.07	82	104053	10.05	ng	# 65
49) Dimethylphthalate	10.27	163	42367	3.56	ng	98
56) 2,4-Dinitrotoluene	10.59	165	21583	13.03	ng	# 32
70) Phenanthrene	12.14	178	44736	2.56	ng	99
74) Fluoranthene	13.45	202	44029	2.34	ng	94
77) Pyrene	13.71	202	44969	2.40	ng	98
83) Bis(2-ethylhexyl)phthalate	15.17	149	26671	5.55	ng	98

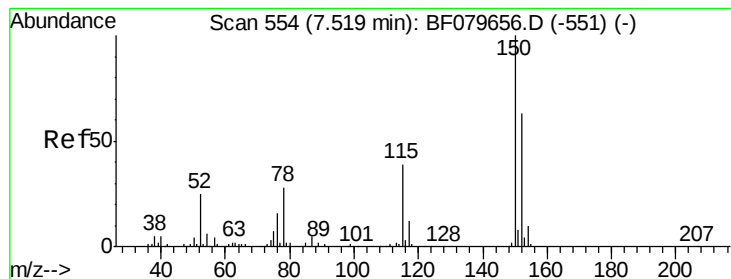
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 40 Sample Multiplier: 1

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QLast Update : Thu Jun 04 14:55:40 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

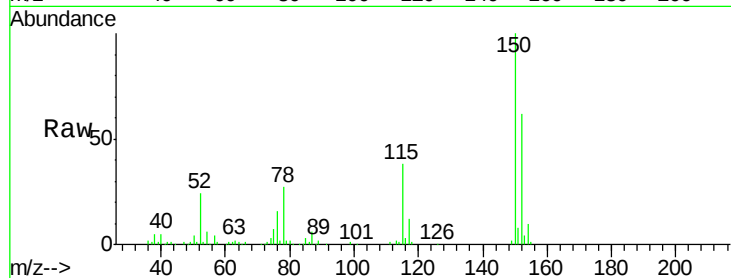
Tot Ion:152 Resp: 81200

Ion Ratio Lower Upper

152 100

150 161.1 126.7 190.1

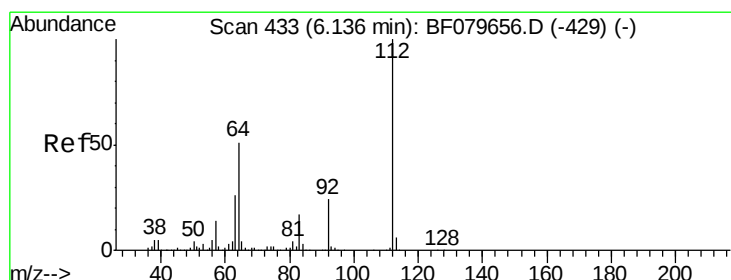
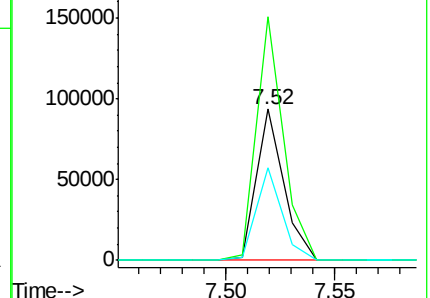
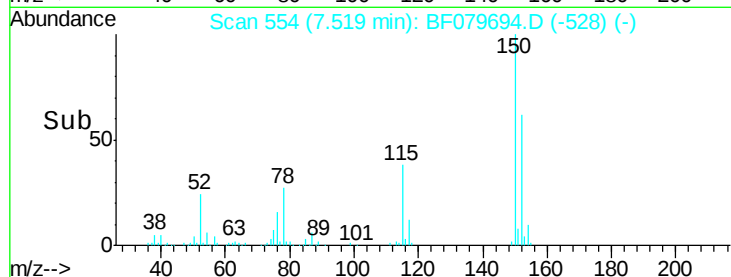
115 61.2 49.2 73.8



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: 31.11 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

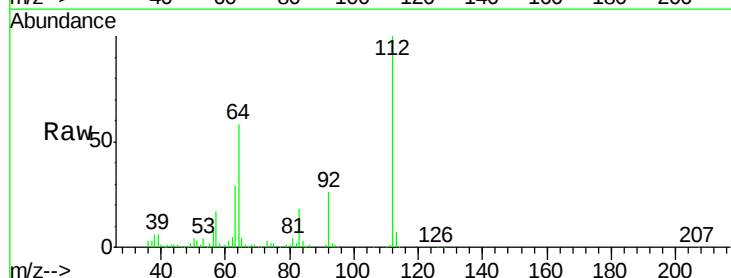
Tgt Ion:112 Resp: 137582

Ion Ratio Lower Upper

112 100

64 58.0 41.1 61.7

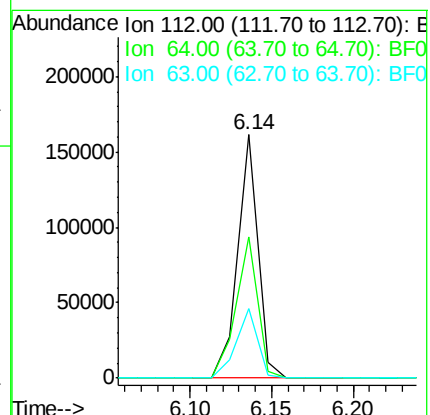
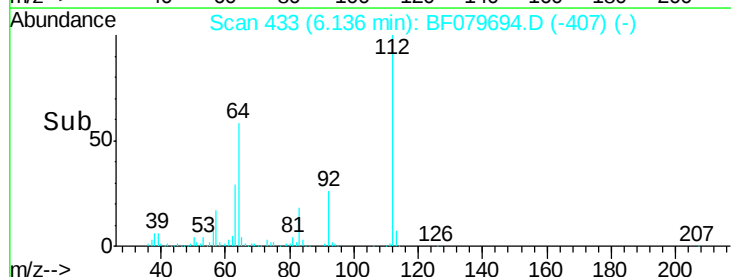
63 28.7 20.5 30.7



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: 44.14 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

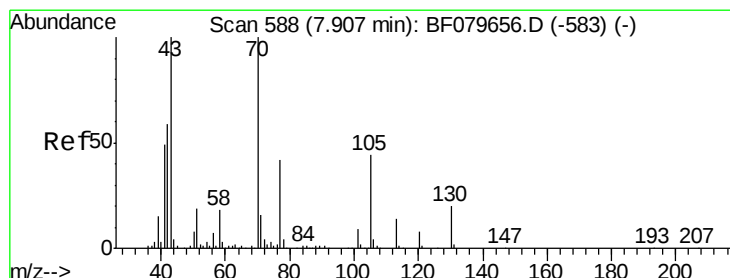
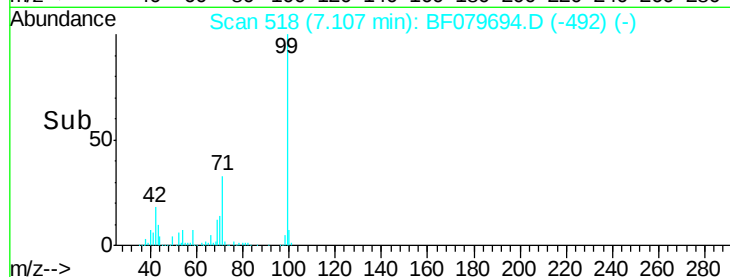
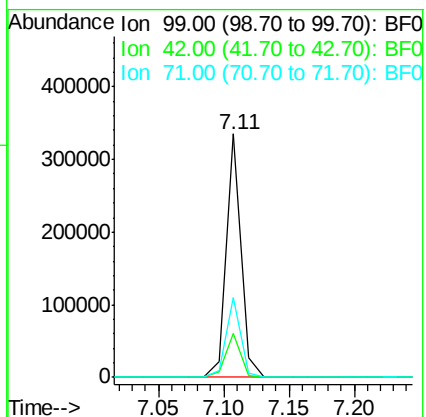
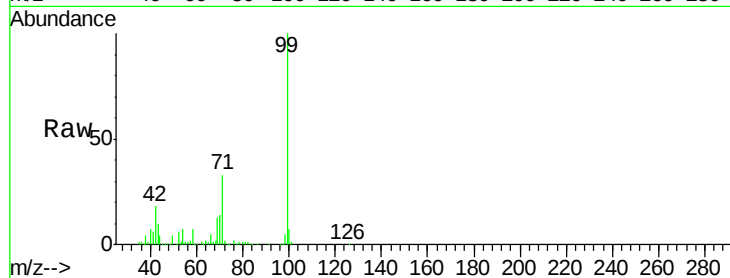
Tot Ion: 99 Resp: 265162

Ion Ratio Lower Upper

99 100

42 18.3 15.2 22.8

71 32.7 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 3.55 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.16 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Tgt Ion: 70 Resp: 14299

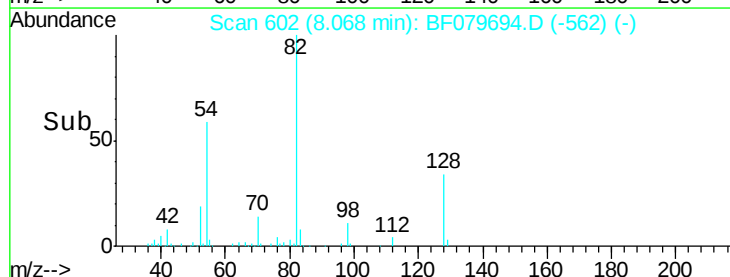
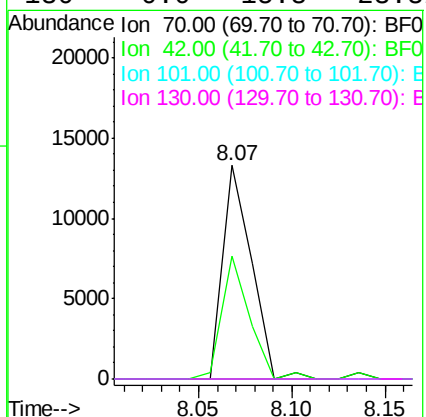
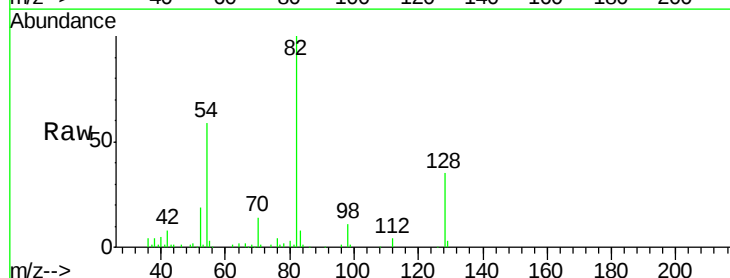
Ion Ratio Lower Upper

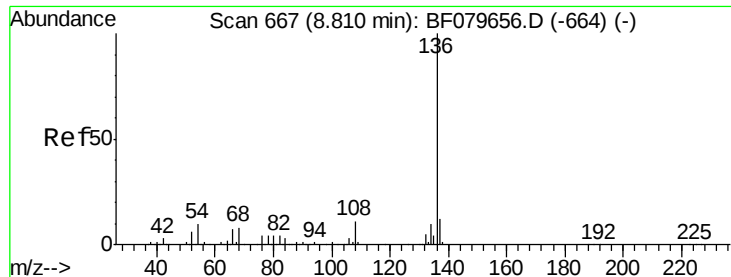
70 100

42 57.6 47.7 71.5

101 0.0 7.4 11.0#

130 0.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

Tot Ion:136 Resp: 303656

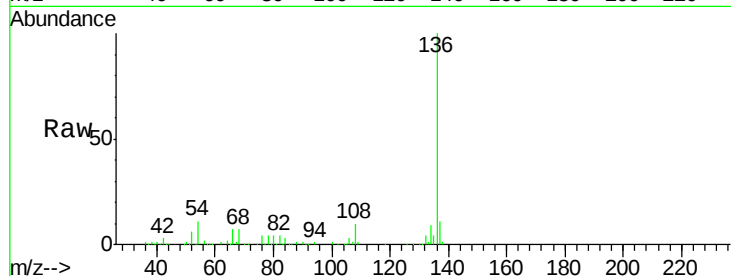
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 10.7 8.3 12.5

68 7.2 6.1 9.1

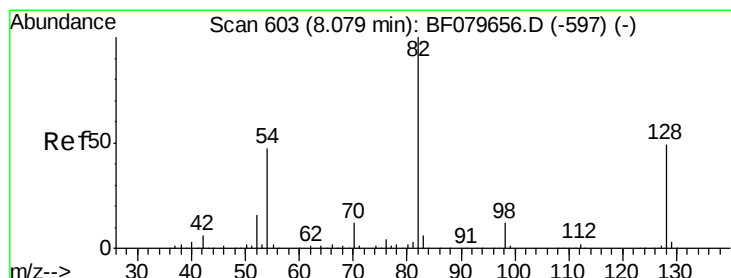
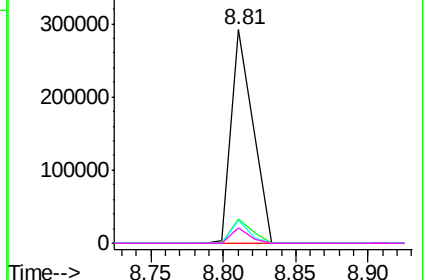
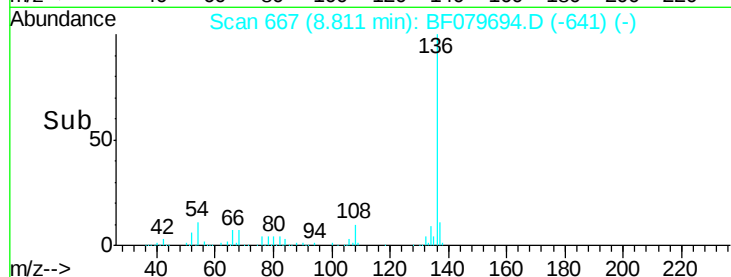


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.71 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

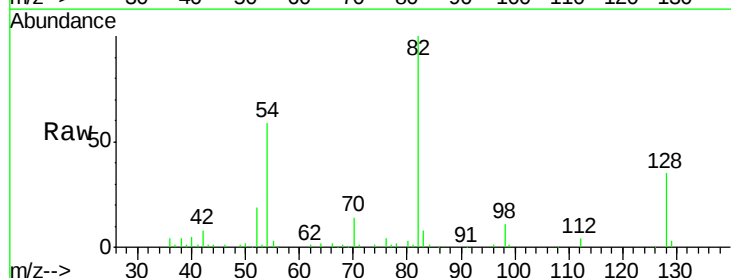
Tgt Ion: 82 Resp: 104853

Ion Ratio Lower Upper

82 100

128 34.7 39.4 59.0#

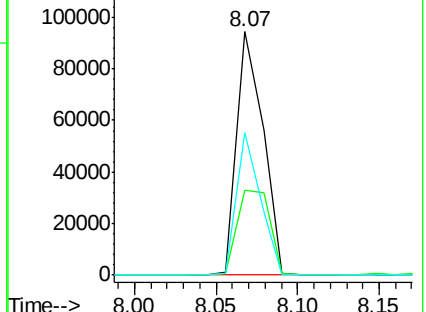
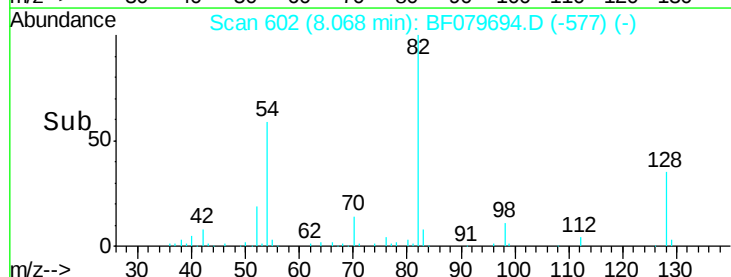
54 58.7 37.4 56.0#

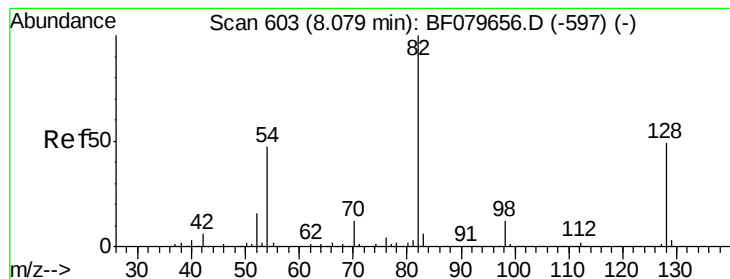


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 10.05 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.26 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

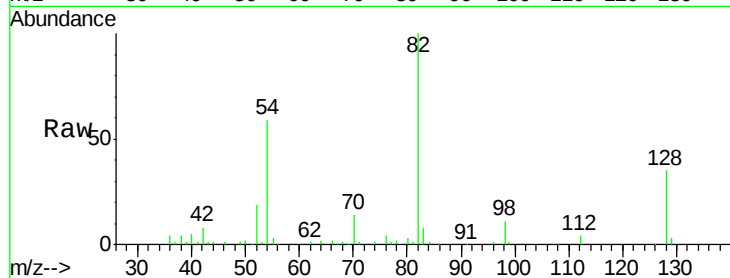
Tot Ion: 82 Resp: 104053

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

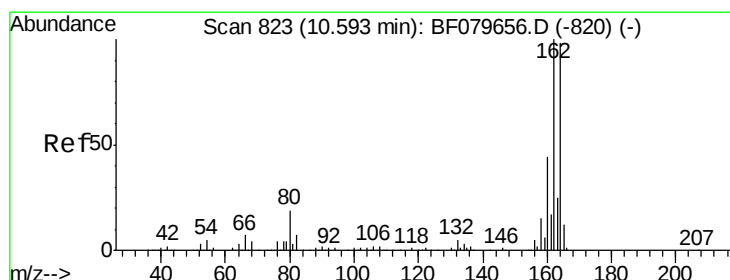
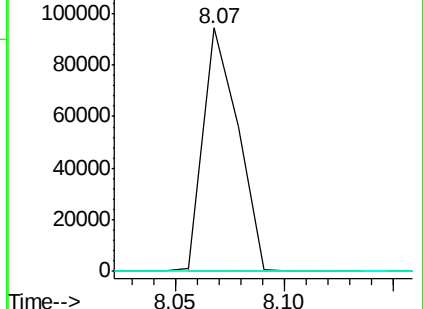
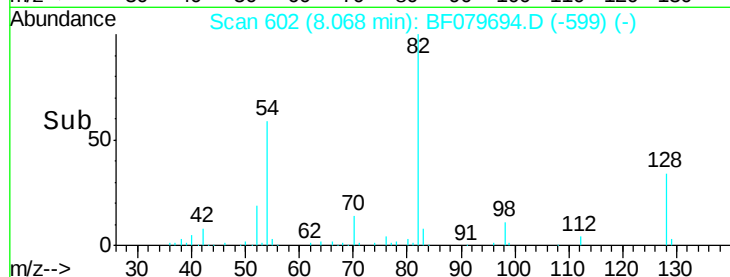
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF079656.D (-597) (-)

Ion 95.00 (94.70 to 95.70): BF079656.D (-597) (-)

Ion 138.00 (137.70 to 138.70): BF079656.D (-597) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

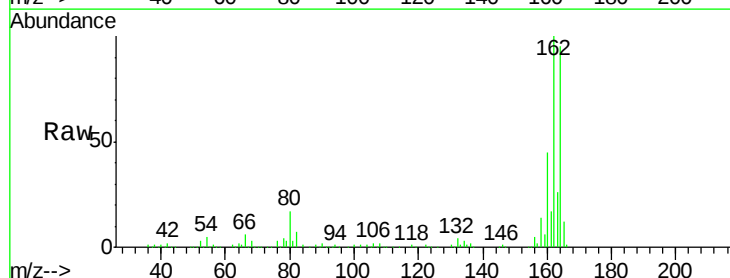
Tgt Ion:164 Resp: 162523

Ion Ratio Lower Upper

164 100

162 104.9 82.0 123.0

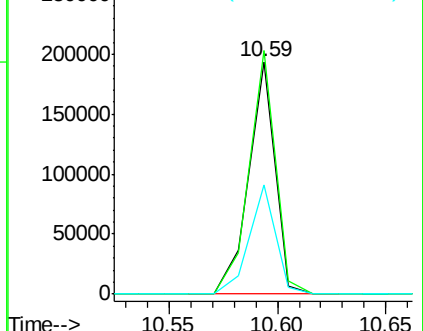
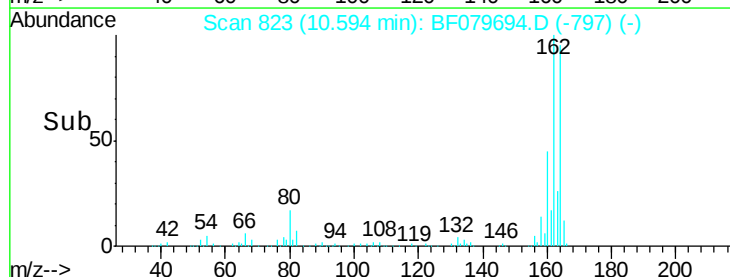
160 46.8 35.9 53.9

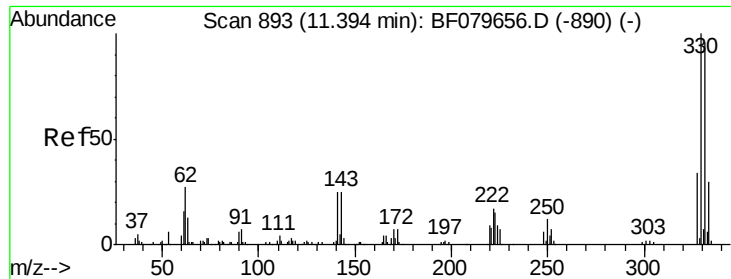


Abundance Ion 164.00 (163.70 to 164.70): BF079656.D (-820) (-)

Ion 162.00 (161.70 to 162.70): BF079656.D (-820) (-)

Ion 160.00 (159.70 to 160.70): BF079656.D (-820) (-)

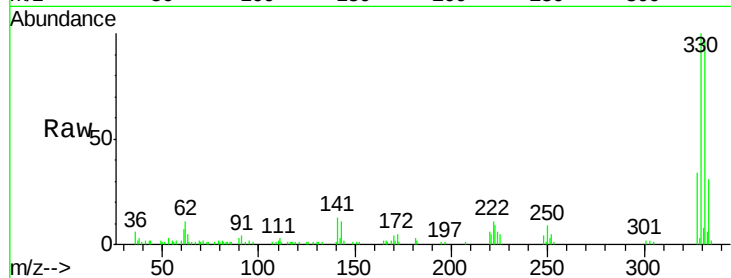




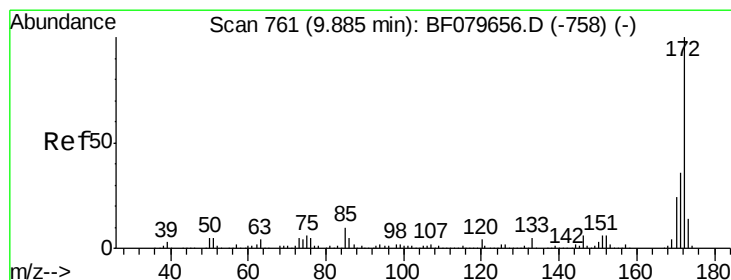
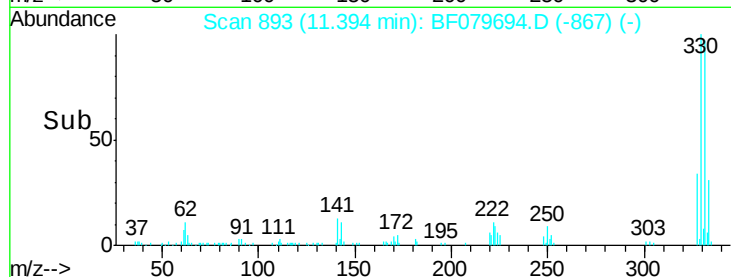
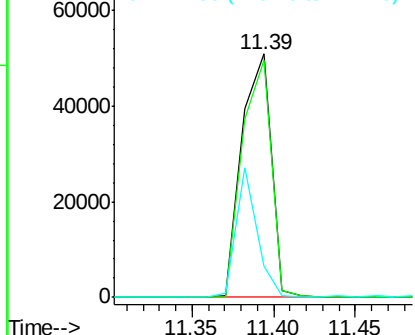
#41
 2,4,6-Tribromophenol
 Concen: 47.31 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF079694.D
 Acq: 4 Jun 2015 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.14(5)

Tot Ion:330 Resp: 63454
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.3 115.9
 141 37.8 27.4 41.2

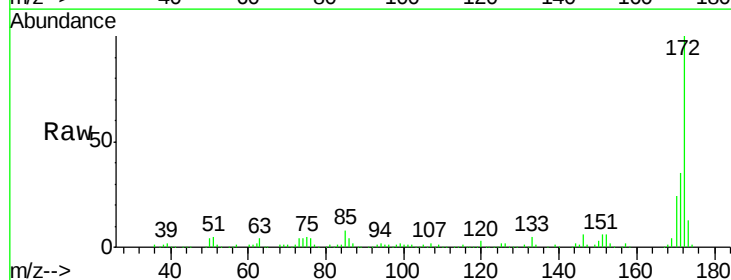


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

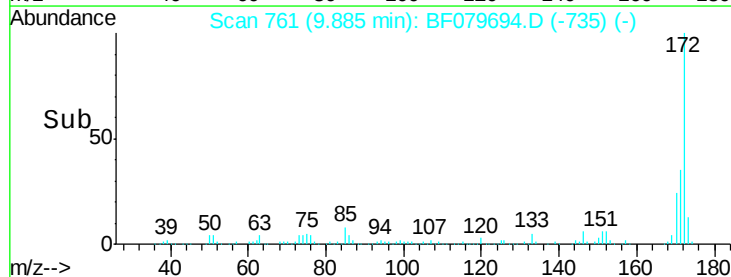
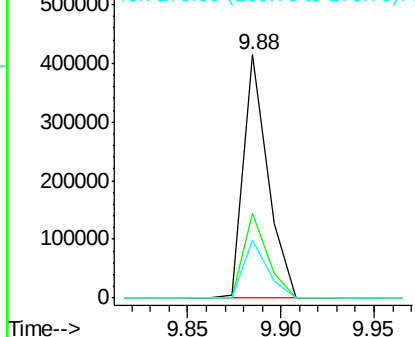


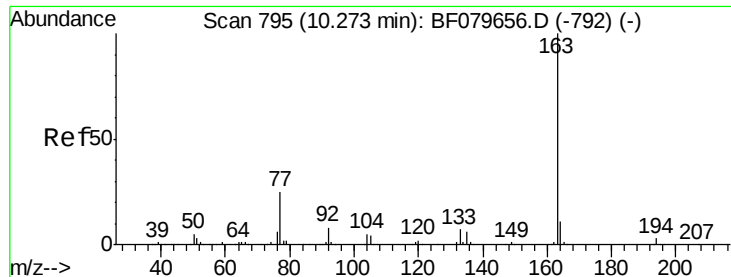
#44
 2-Fluorobiphenyl
 Concen: 27.81 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079694.D
 Acq: 4 Jun 2015 8:20

Tgt Ion:172 Resp: 376303
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.7 19.2 28.8



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

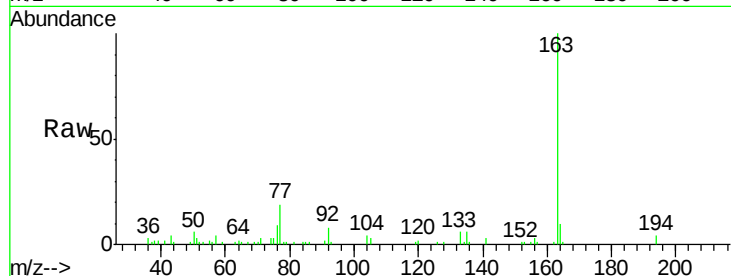




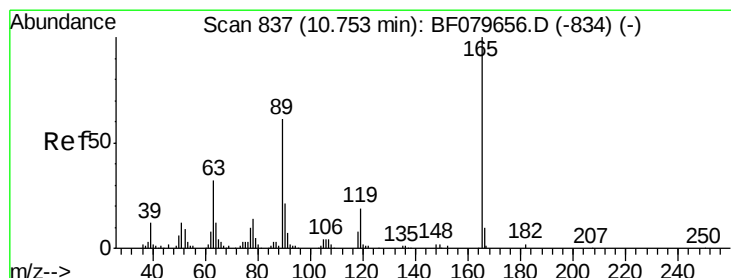
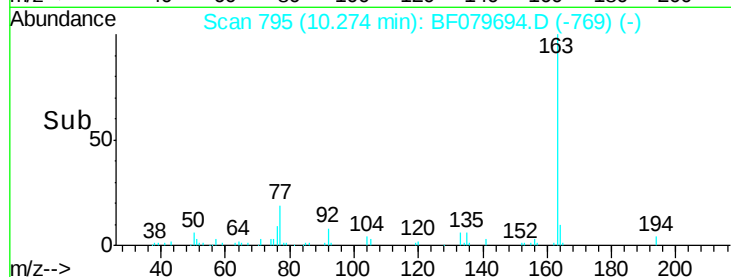
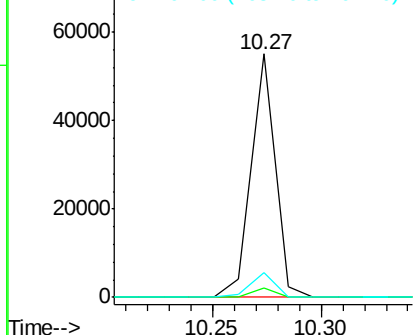
#49
Dimethylphthalate
Concen: 3.56 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF079694.D
Acq: 4 Jun 2015 8:20

Instrument :
BNA_F
ClientSampleId :
PENRD8.14(5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	3.8
164	9.9	8.6	12.8

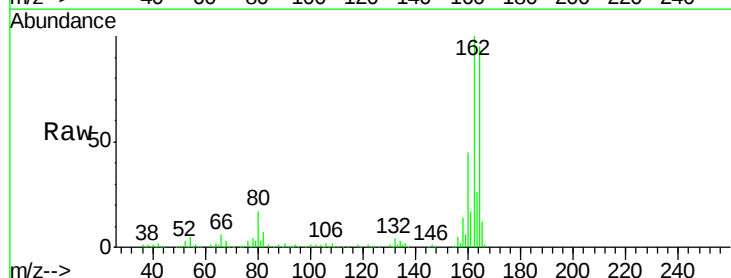


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

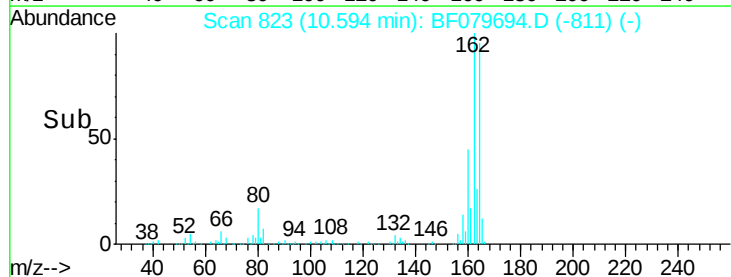
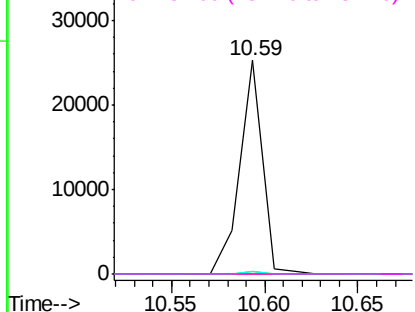


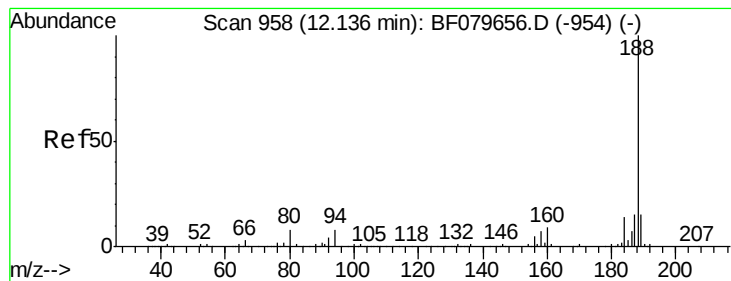
#56
2,4-Dinitrotoluene
Concen: 13.03 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.16 min
Lab File: BF079694.D
Acq: 4 Jun 2015 8:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.5	38.3#
89	1.4	48.5	72.7#
182	0.0	1.9	2.9#



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
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.11 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

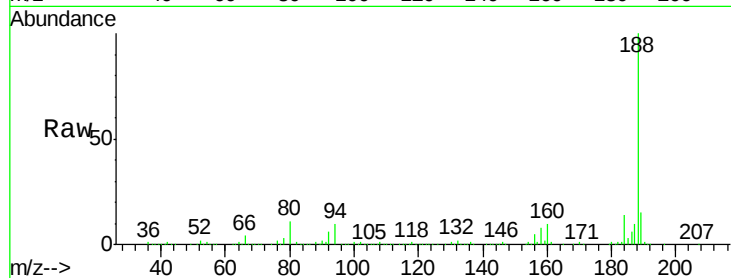
Tot Ion:188 Resp: 315650

Ion Ratio Lower Upper

188 100

94 9.9 6.1 9.1#

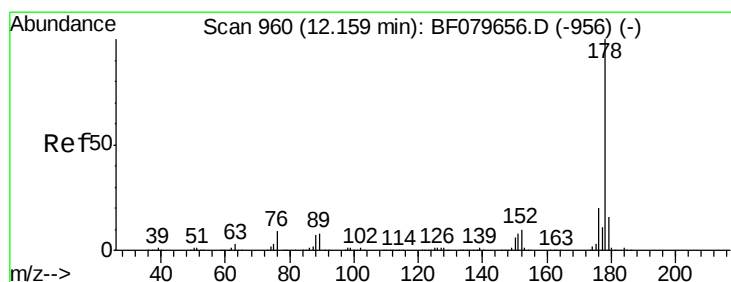
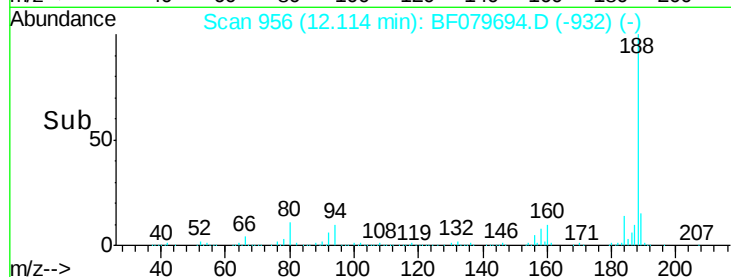
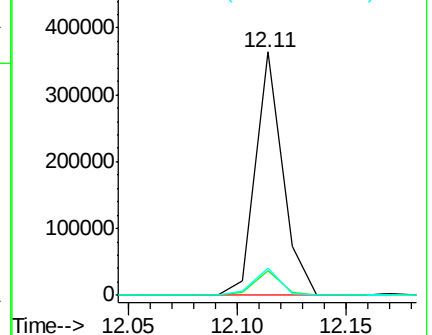
80 11.1 6.2 9.2#



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: 2.56 ng

RT: 12.14 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

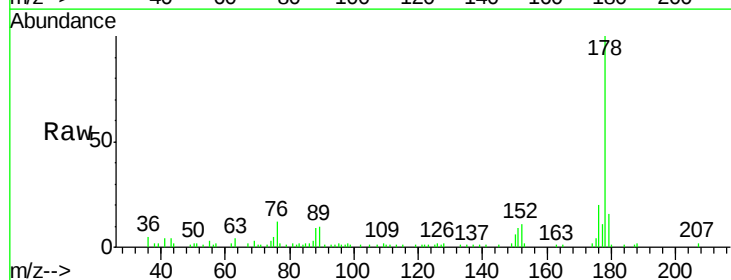
Tgt Ion:178 Resp: 44736

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

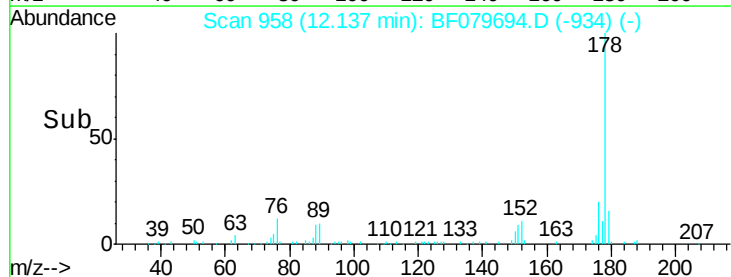
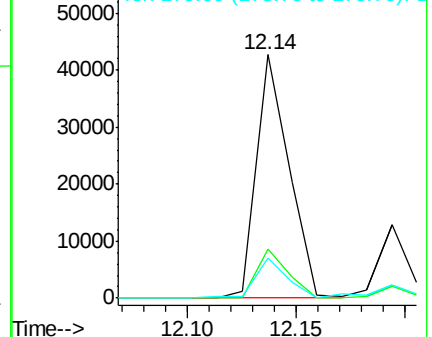
179 16.2 12.7 19.1

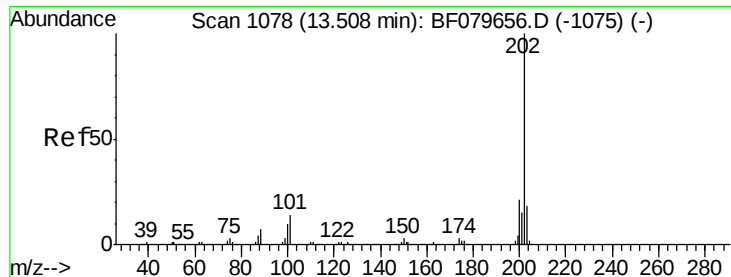


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.34 ng

RT: 13.45 min Scan# 1073

Delta R.T. -0.06 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

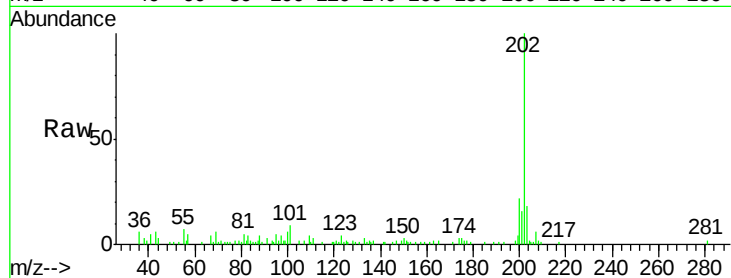
Tot Ion:202 Resp: 44029

Ion Ratio Lower Upper

202 100

101 8.6 0.0 34.0

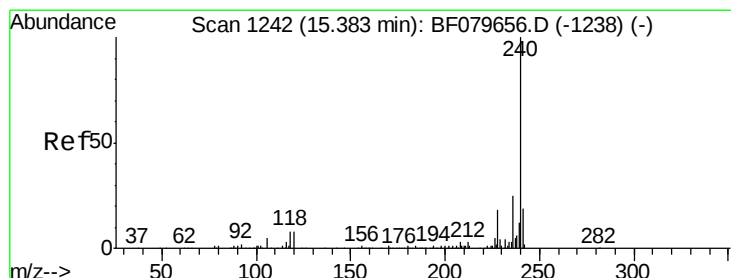
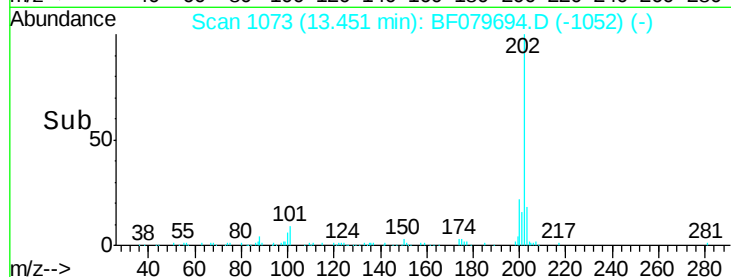
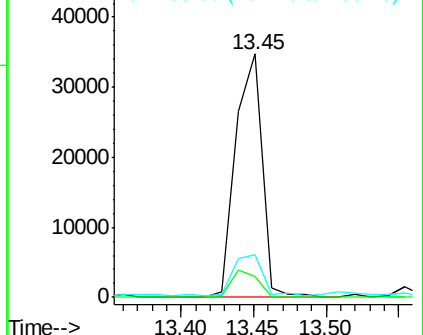
203 17.7 0.0 37.9



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: 15.21 min Scan# 1227

Delta R.T. -0.17 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

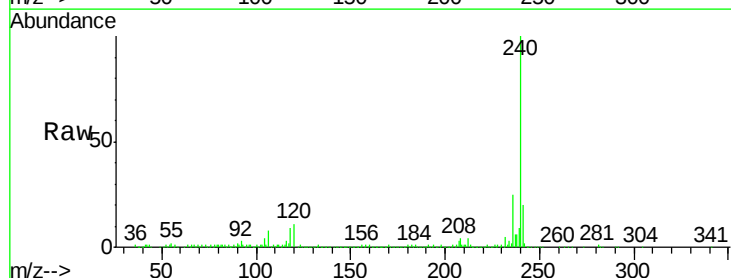
Tgt Ion:240 Resp: 325344

Ion Ratio Lower Upper

240 100

120 10.9 6.4 9.6#

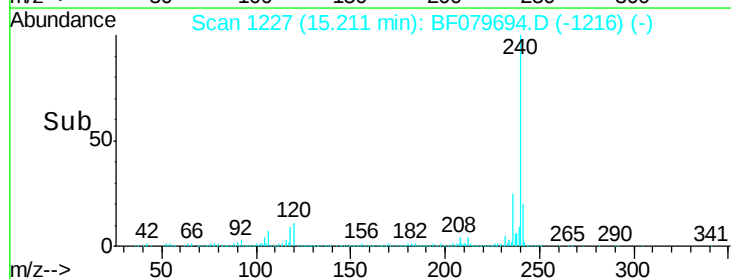
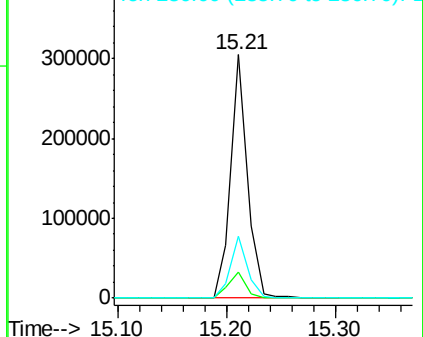
236 25.3 20.2 30.4

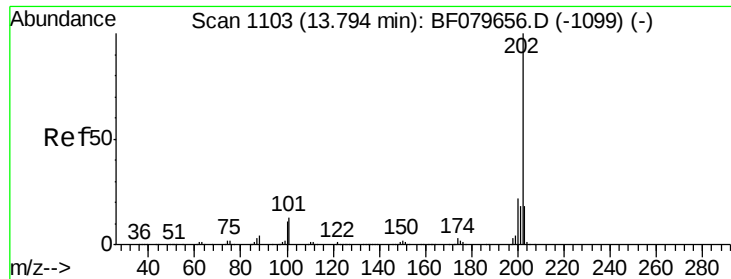


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.40 ng

RT: 13.71 min Scan# 1096

Delta R.T. -0.08 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

Instrument :

BNA_F

ClientSampleId :

PENRD8.14(5)

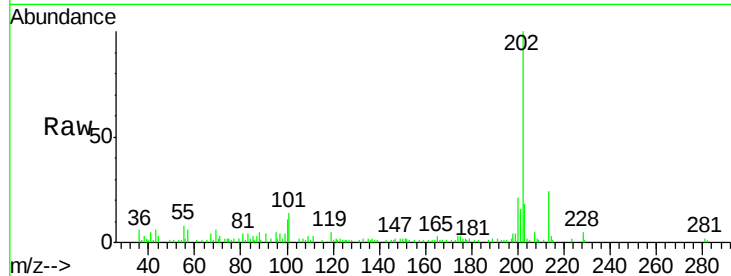
Tot Ion:202 Resp: 44969

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

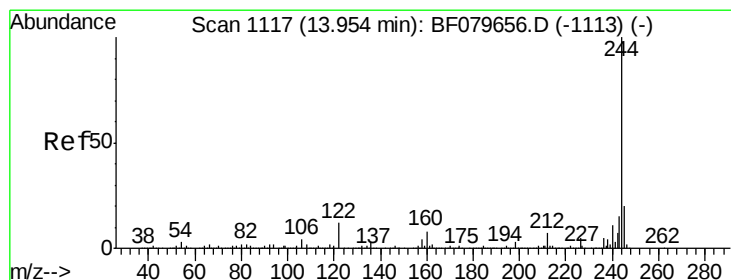
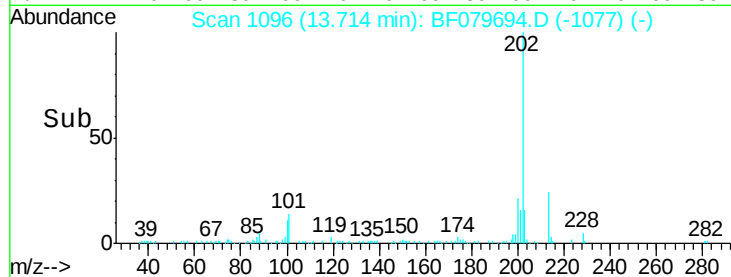
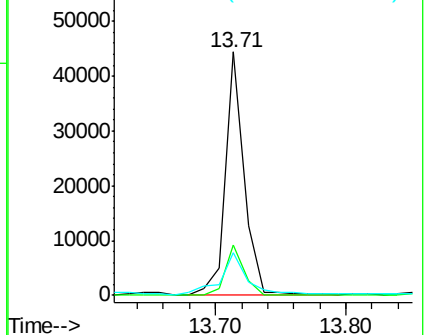
203 17.6 14.5 21.7



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: 30.69 ng

RT: 13.86 min Scan# 1109

Delta R.T. -0.09 min

Lab File: BF079694.D

Acq: 4 Jun 2015 8:20

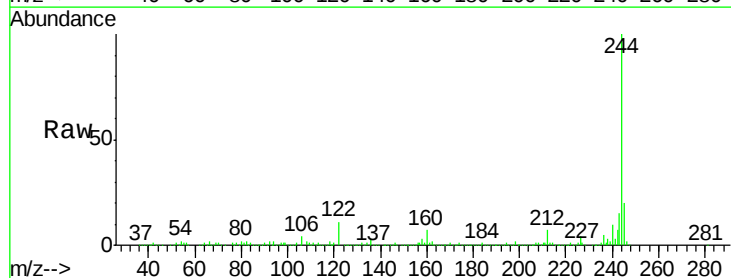
Tgt Ion:244 Resp: 473364

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

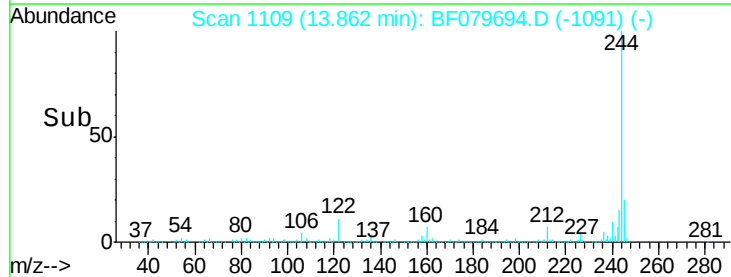
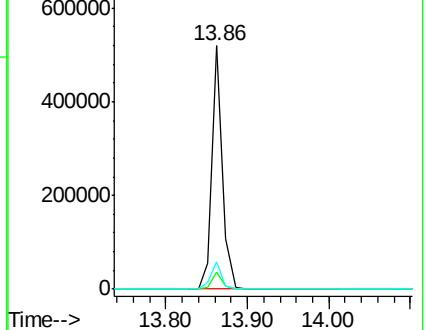
122 11.3 9.8 14.6

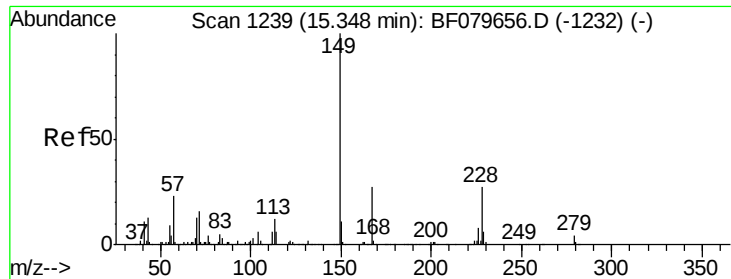


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

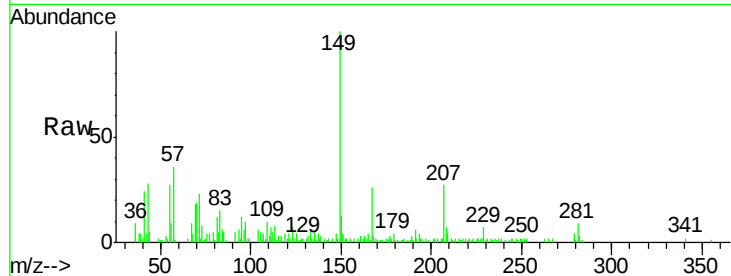




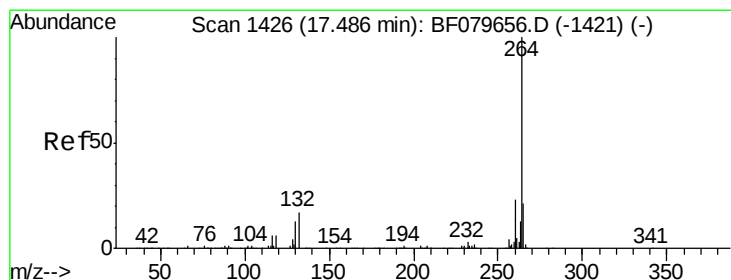
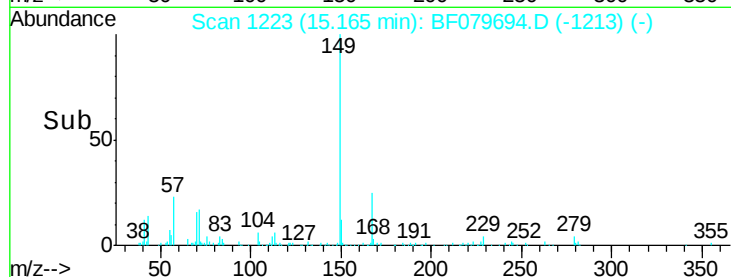
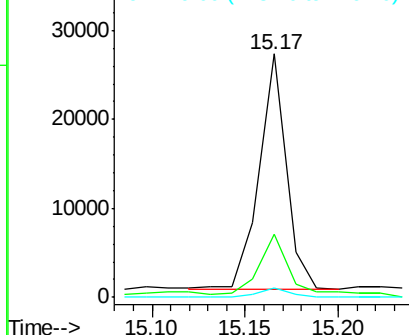
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.55 ng
 RT: 15.17 min Scan# 1223
 Delta R.T. -0.18 min
 Lab File: BF079694.D
 Acq: 4 Jun 2015 8:20

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.14(5)

Tot Ion:149 Resp: 26671
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.6 32.4
 279 3.6 3.1 4.7

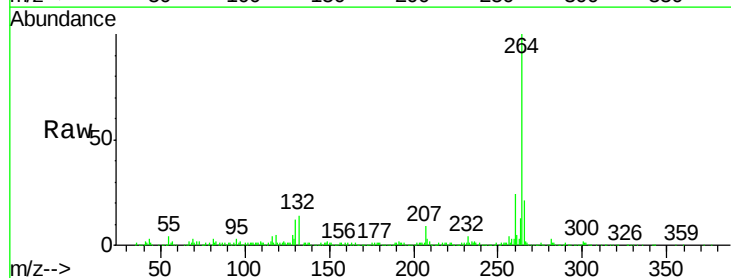


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.26 min Scan# 1406
 Delta R.T. -0.23 min
 Lab File: BF079694.D
 Acq: 4 Jun 2015 8:20

Tgt Ion:264 Resp: 304356
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 20.9 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

