

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
 Data File : BF079390.D
 Acq On : 20 May 2015 20:55
 Operator : TP/IZ
 Sample : G2303-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Quant Time: May 21 01:17:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	72202	20.00	ng	0.00
21) Naphthalene-d8	8.66	136	299837	20.00	ng	0.00
38) Acenaphthene-d10	10.83	164	150894	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	277038	20.00	ng	0.00
75) Chrysene-d12	15.98	240	283201	20.00	ng	0.00
86) Perylene-d12	17.79	264	282846	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	374966	89.40	ng	0.00
7) Phenol-d6	6.66	99	512493	92.44	ng	0.00
23) Nitrobenzene-d5	7.78	82	294860	56.52	ng	0.00
41) 2,4,6-Tribromophenol	11.82	330	163527	100.18	ng	0.00
44) 2-Fluorobiphenyl	10.01	172	577730	53.34	ng	0.00
78) Terphenyl-d14	14.67	244	633660	53.57	ng	0.00

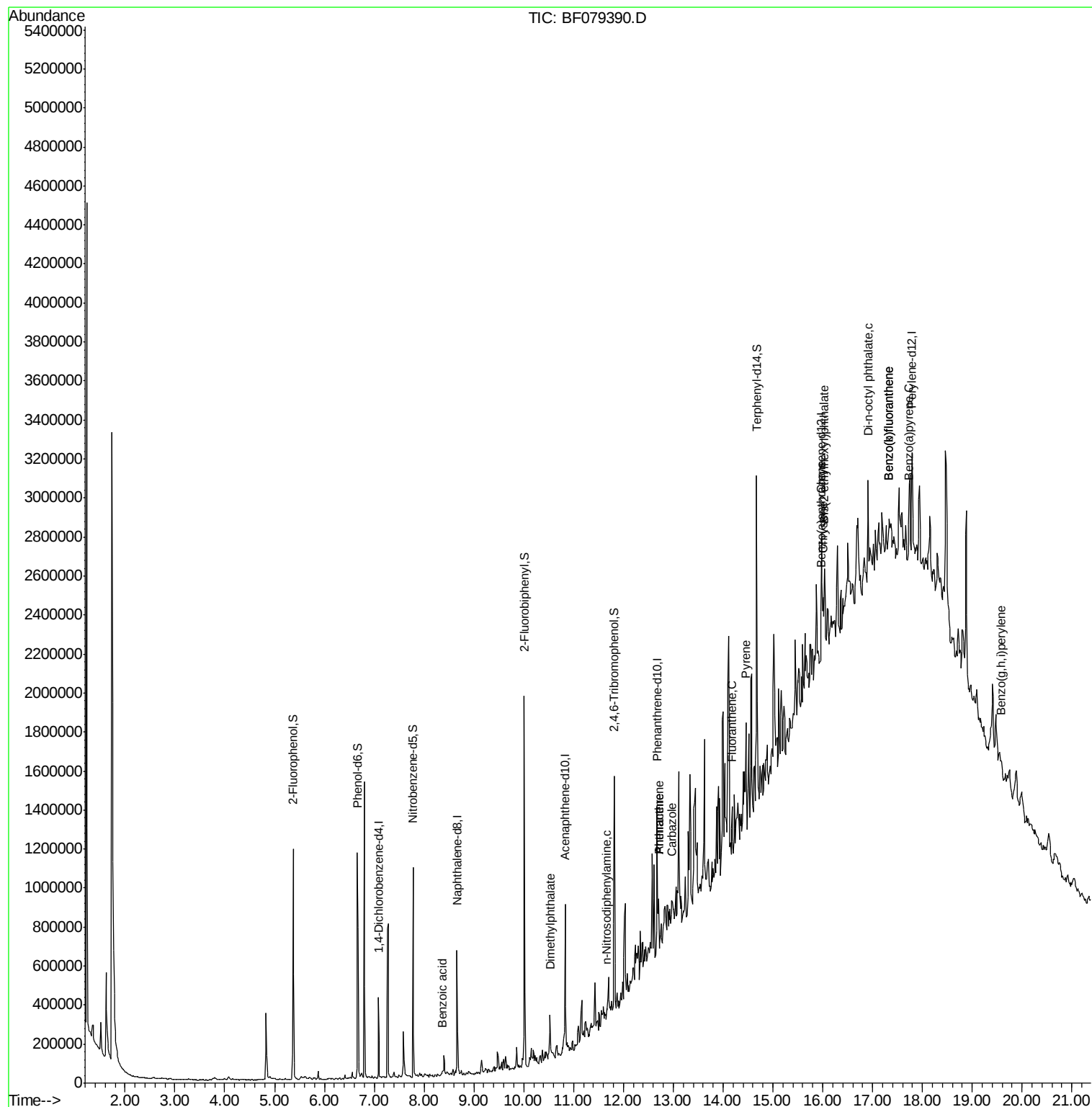
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.36	122	5869	8.21	ng	91
49) Dimethylphthalate	10.52	163	73051	6.60	ng	99
65) n-Nitrosodiphenylamine	11.67	169	23787	2.58	ng	# 40
70) Phenanthrene	12.71	178	158489	10.23	ng	97
71) Anthracene	12.71	178	154548	10.16	ng	98
72) Carbazole	12.98	167	30282	2.09	ng	# 72
74) Fluoranthene	14.18	202	106073	6.57	ng	96
77) Pyrene	14.46	202	280632	17.20	ng	# 91
80) Benzo(a)anthracene	15.97	228	118995	7.67	ng	# 72
82) Chrysene	16.01	228	149118	10.00	ng	# 83
83) Bis(2-ethylhexyl)phthalate	16.03	149	187224	17.33	ng	98
84) Di-n-octyl phthalate	16.91	149	79397	4.17	ng	# 64
87) Benzo(b)fluoranthene	17.33	252	90022	5.81	ng	# 40
88) Benzo(k)fluoranthene	17.33	252	90022	6.01	ng	# 43
89) Benzo(a)pyrene	17.73	252	63572	4.46	ng	# 43
91) Benzo(g,h,i)perylene	19.58	276	53444	3.52	ng	# 60

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

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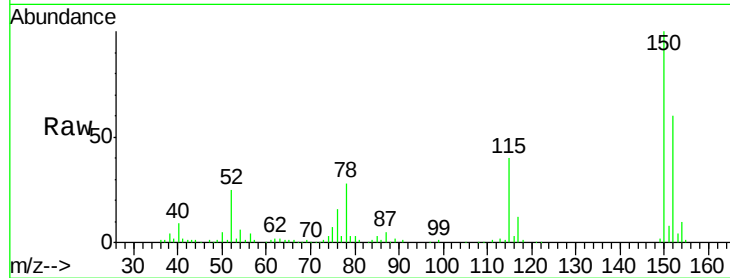




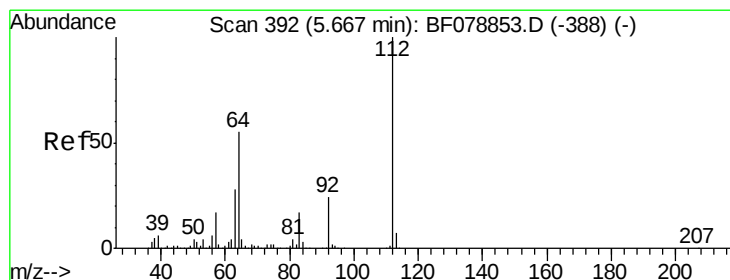
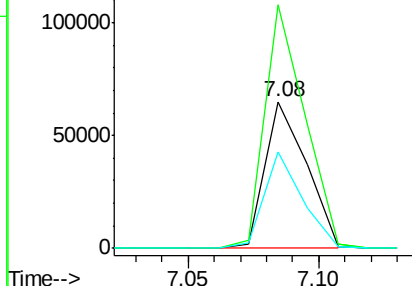
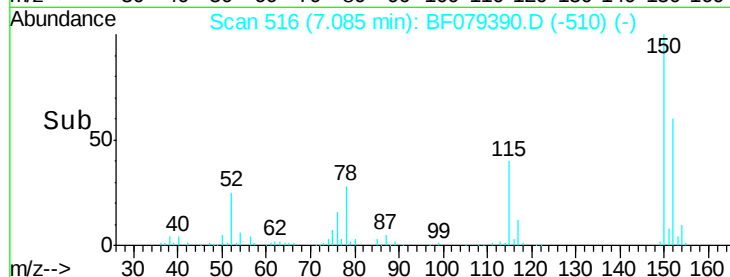
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.08 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Tgt Ion:152 Resp: 72202
 Ion Ratio Lower Upper
 152 100
 150 165.9 123.8 185.8
 115 66.1 49.4 74.0

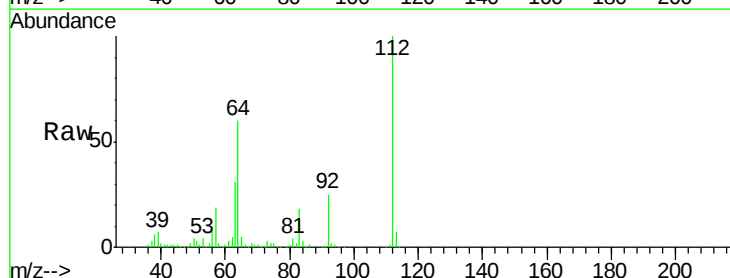


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

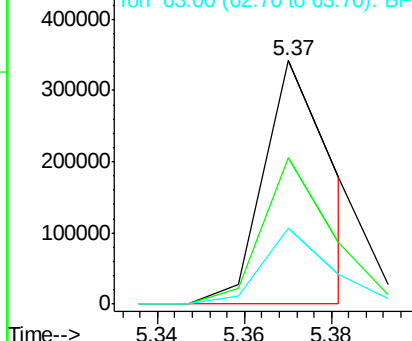
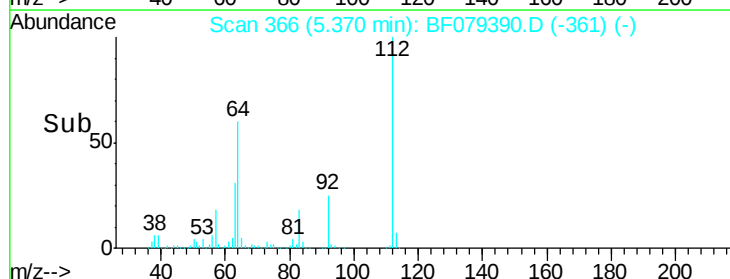


#5
 2-Fluorophenol
 Concen: 89.40 ng
 RT: 5.37 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Tgt Ion:112 Resp: 374966
 Ion Ratio Lower Upper
 112 100
 64 60.0 44.2 66.2
 63 31.0 22.7 34.1



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: 92.44 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampled :

4DEPTH

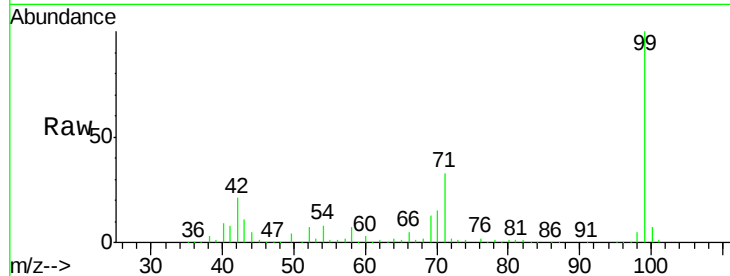
Tgt Ion: 99 Resp: 512493

Ion Ratio Lower Upper

99 100

42 20.6 17.1 25.7

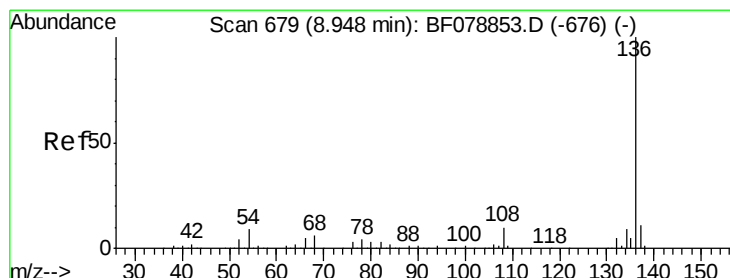
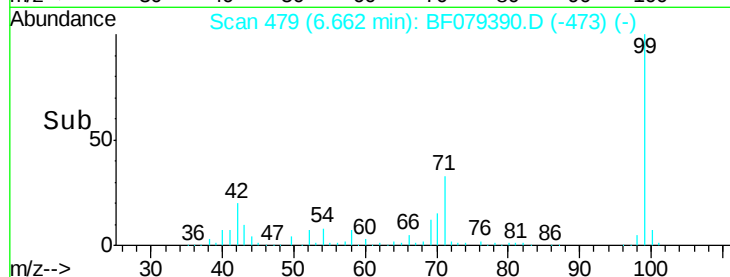
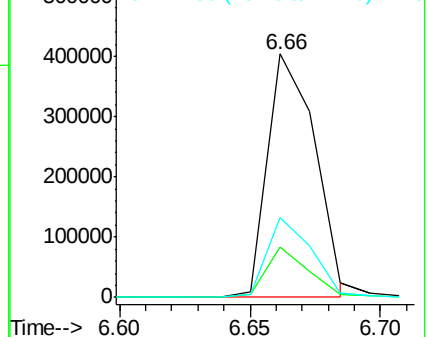
71 33.0 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Tgt Ion: 136 Resp: 299837

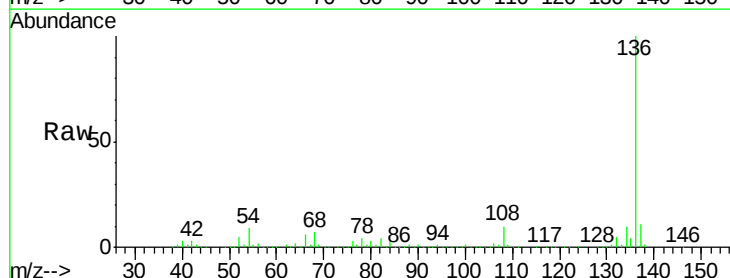
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.9 6.9 10.3

68 7.2 4.9 7.3

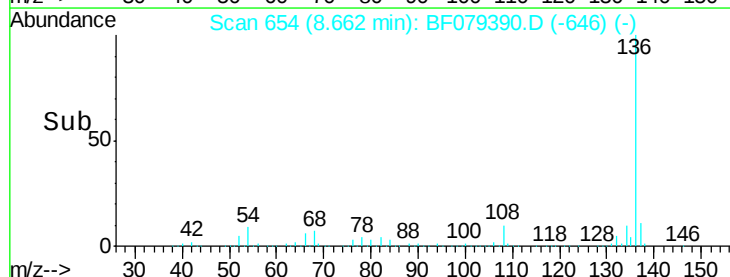
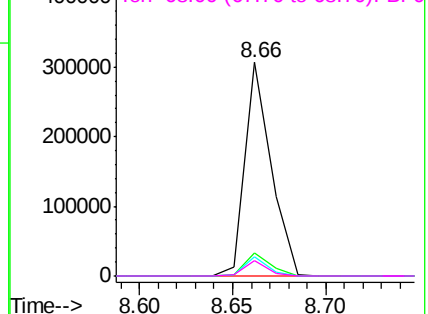


Abundance Ion 136.00 (135.70 to 136.70): E

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

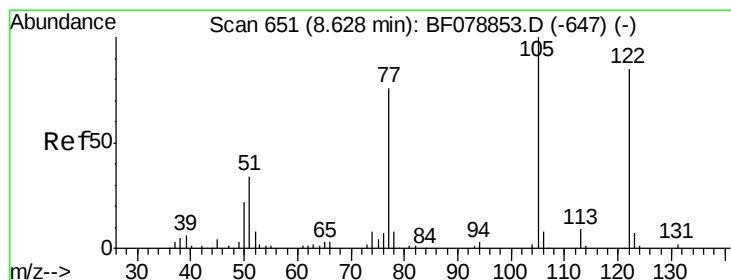
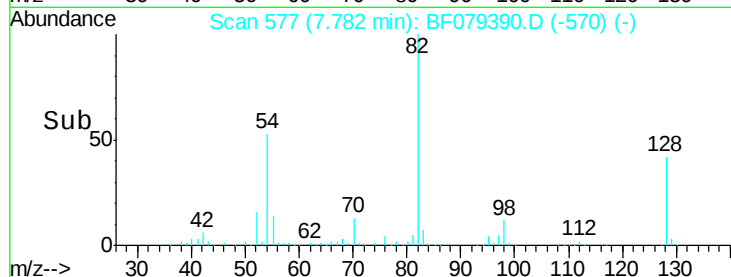
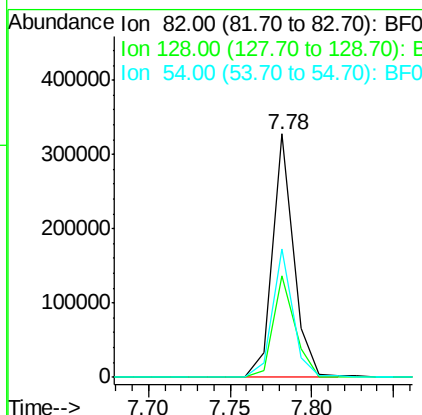
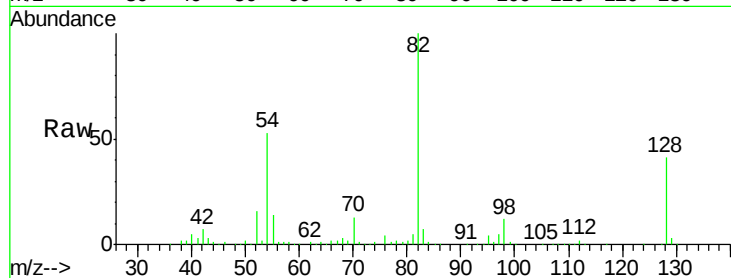




#23
Nitrobenzene-d5
Concen: 56.52 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

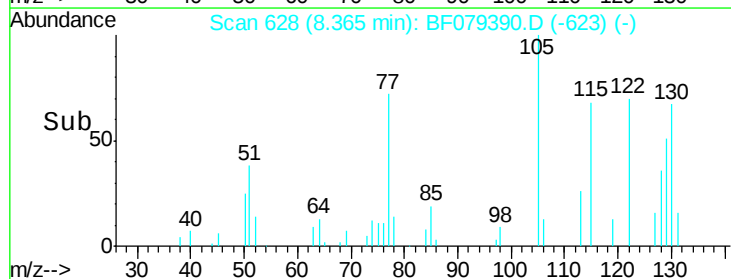
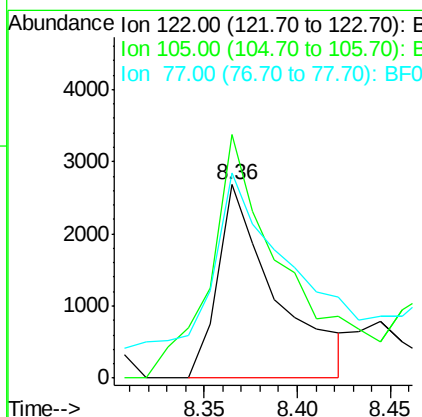
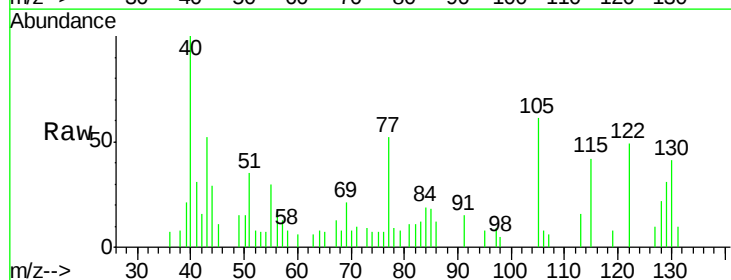
Instrument :
BNA_F
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4DEPTH

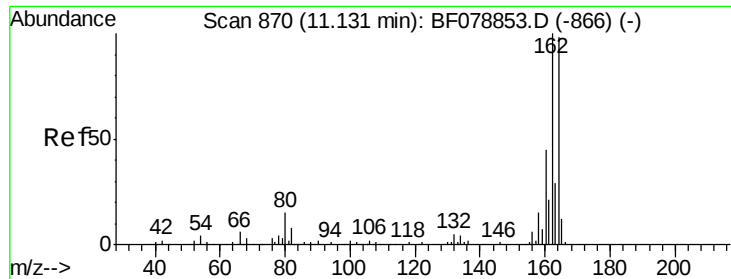
Tgt Ion: 82 Resp: 294860
Ion Ratio Lower Upper
82 100
128 41.4 29.7 44.5
54 52.8 46.2 69.4



#32
Benzoic acid
Concen: 8.21 ng
RT: 8.36 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion: 122 Resp: 5869
Ion Ratio Lower Upper
122 100
105 125.9 100.7 140.7
77 106.0 72.0 112.0

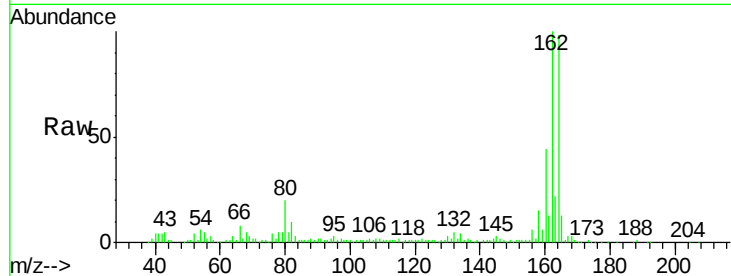




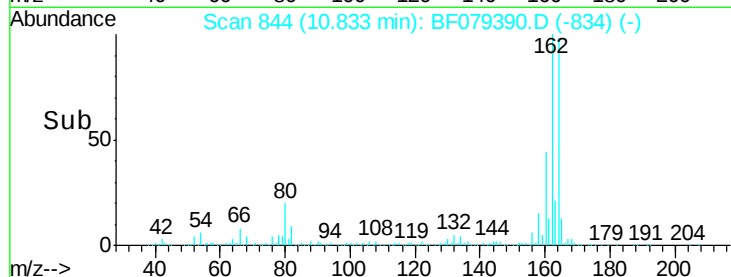
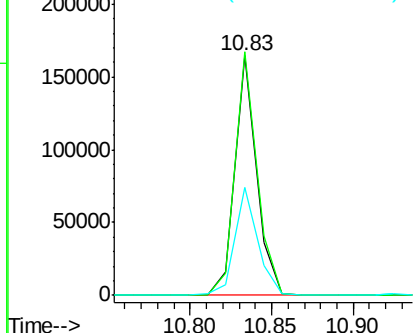
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampled :
4DEPTH

Tgt Ion:164 Resp: 150894
Ion Ratio Lower Upper
164 100
162 101.8 81.4 122.0
160 45.1 36.6 54.8

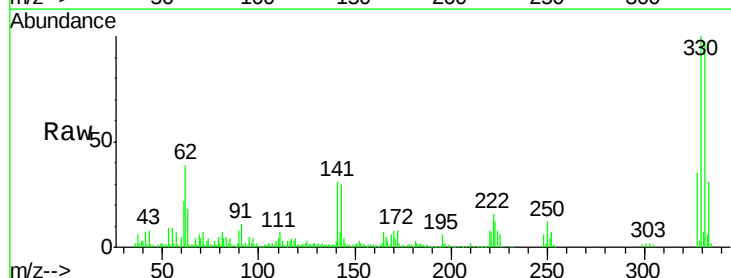


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

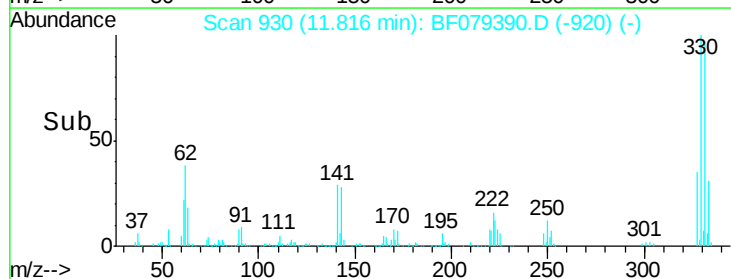
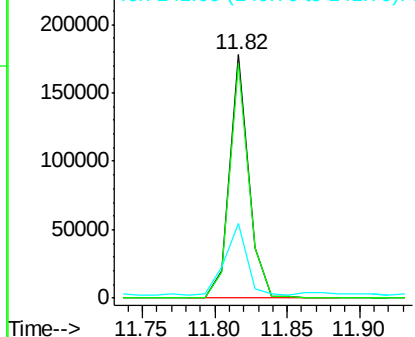


#41
2,4,6-Tribromophenol
Concen: 100.18 ng
RT: 11.82 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion:330 Resp: 163527
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 34.0 27.8 41.8



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

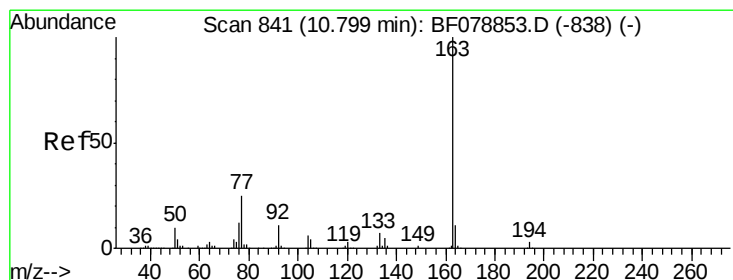
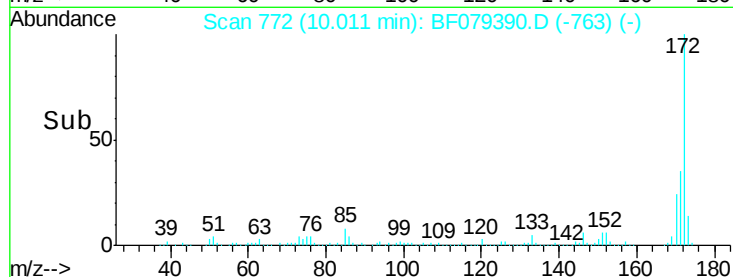
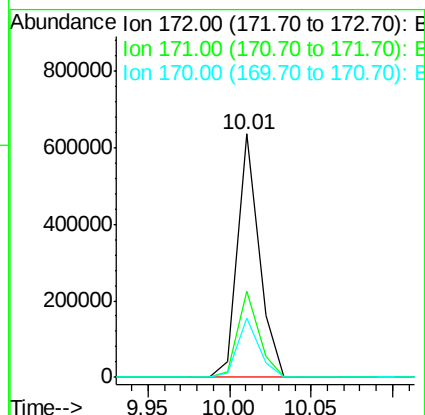
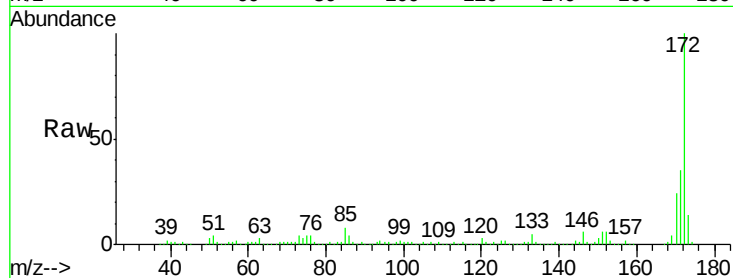




#44
2-Fluorobiphenyl
Concen: 53.34 ng
RT: 10.01 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

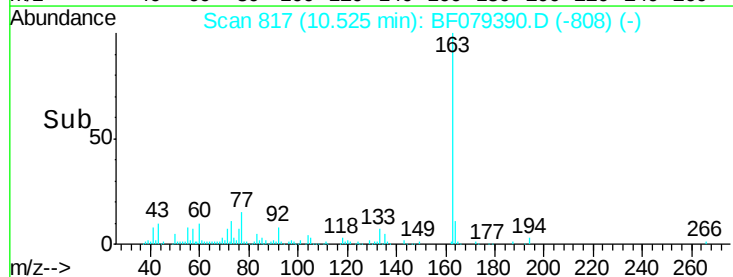
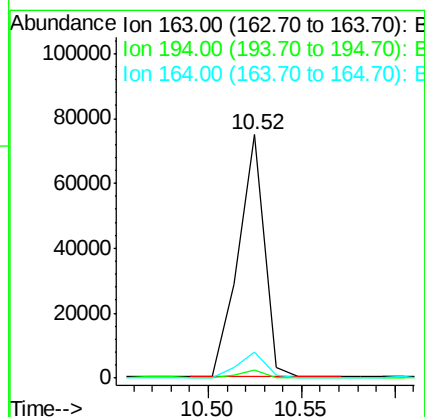
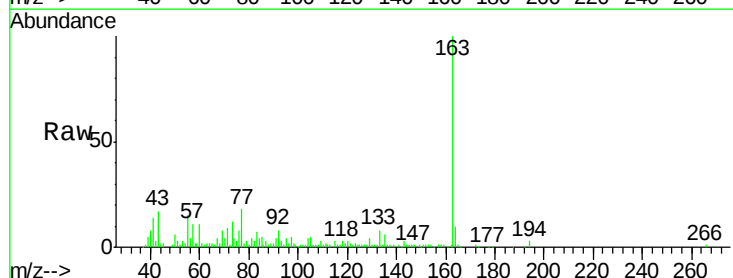
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BNA_F
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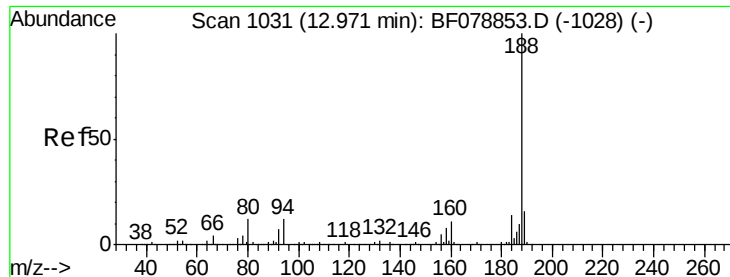
Tgt Ion:172 Resp: 577730
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 24.2 19.4 29.2



#49
Dimethylphthalate
Concen: 6.60 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion:163 Resp: 73051
Ion Ratio Lower Upper
163 100
194 3.5 2.4 3.6
164 10.5 8.6 12.8

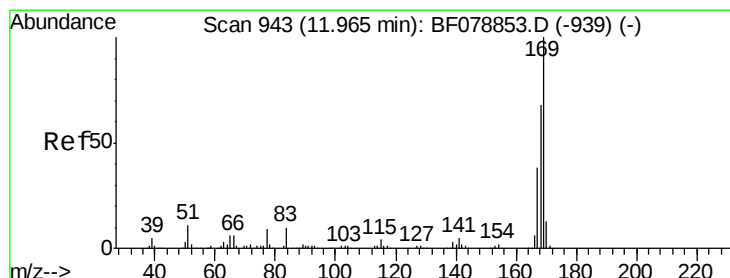
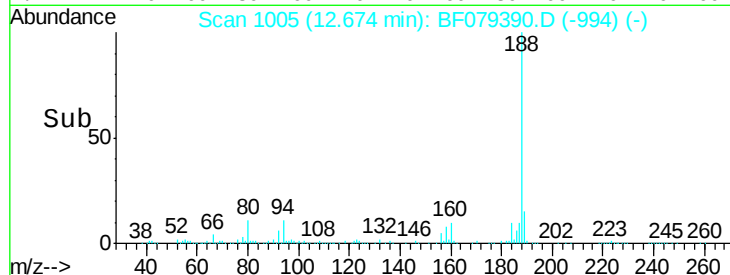
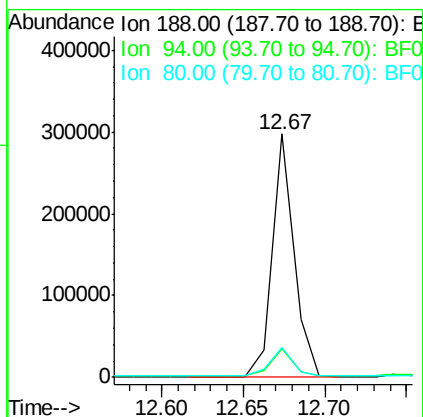
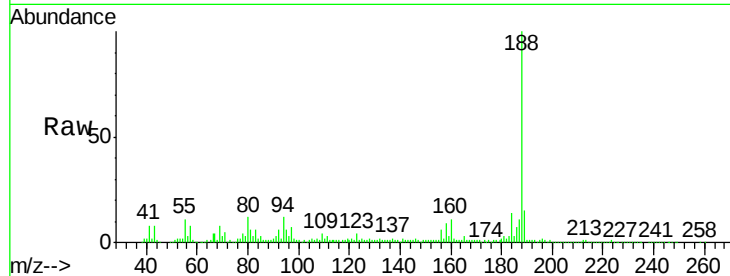




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

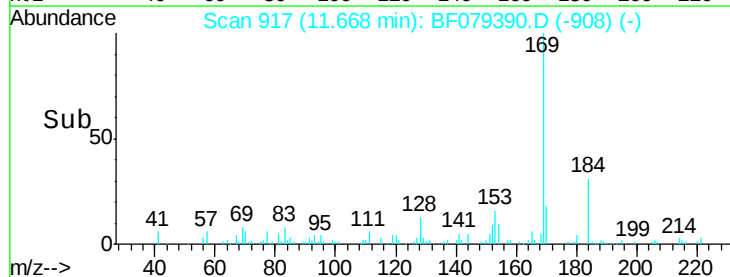
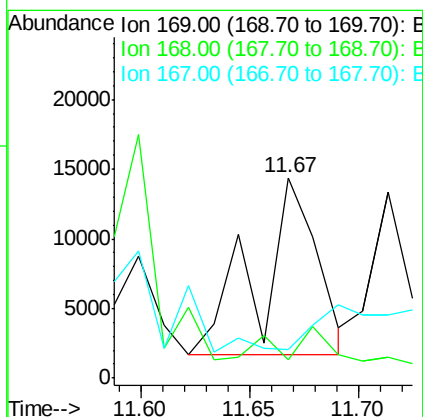
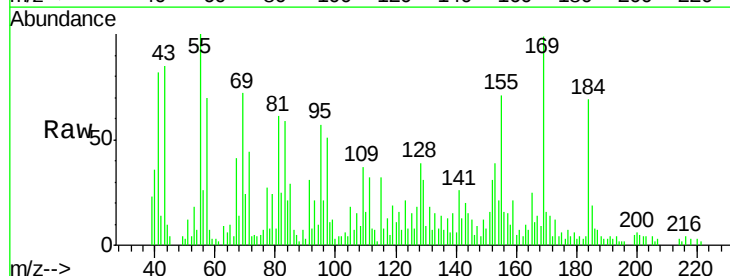
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ClientSampleId :
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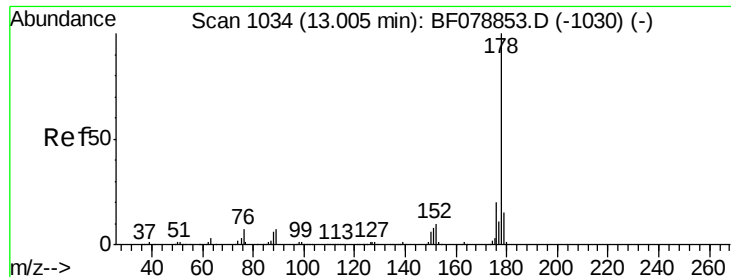
Tgt Ion:188 Resp: 277038
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.0
80 12.2 9.8 14.6



#65
n-Nitrosodiphenylamine
Concen: 2.58 ng
RT: 11.67 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion:169 Resp: 23787
Ion Ratio Lower Upper
169 100
168 9.5 54.1 81.1#
167 14.1 30.1 45.1#





#70

Phenanthrene

Concen: 10.23 ng

RT: 12.71 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

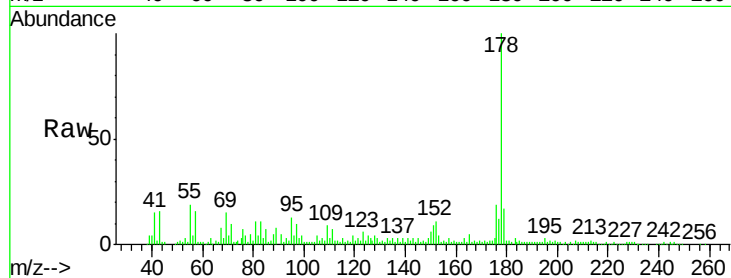
Tgt Ion:178 Resp: 158489

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

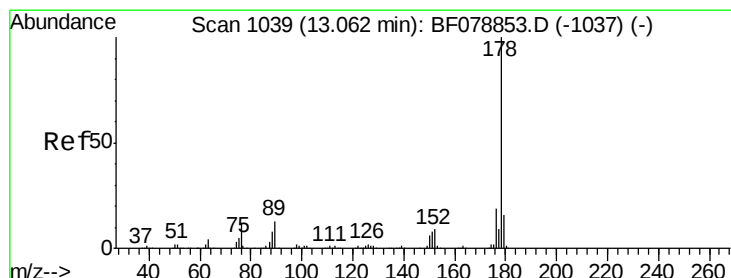
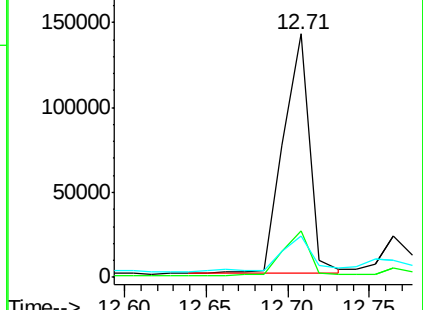
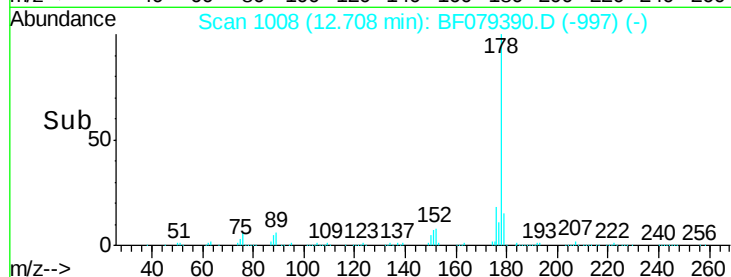
179 17.1 12.2 18.4



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: 10.16 ng

RT: 12.71 min Scan# 1008

Delta R.T. -0.06 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

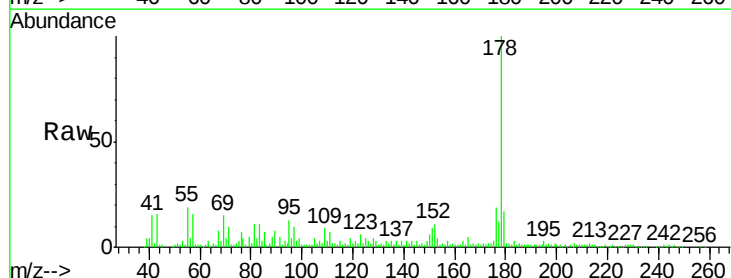
Tgt Ion:178 Resp: 154548

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

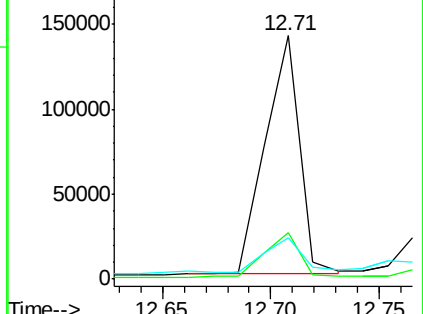
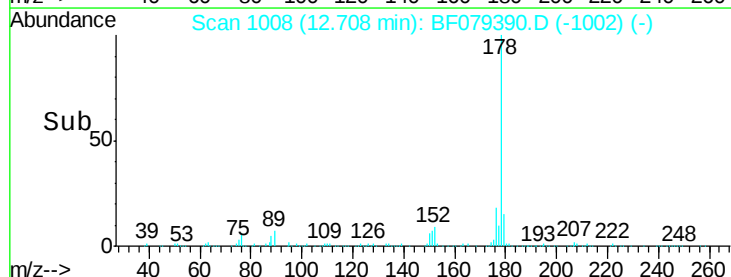
179 17.1 12.6 19.0

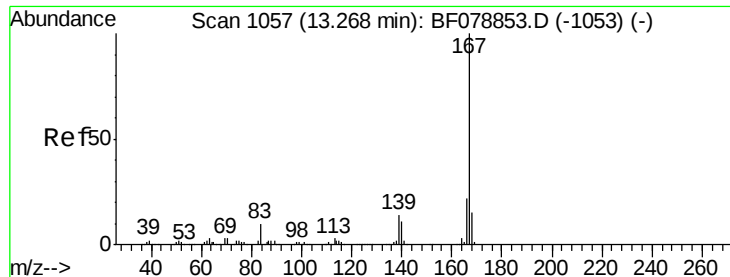


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.09 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

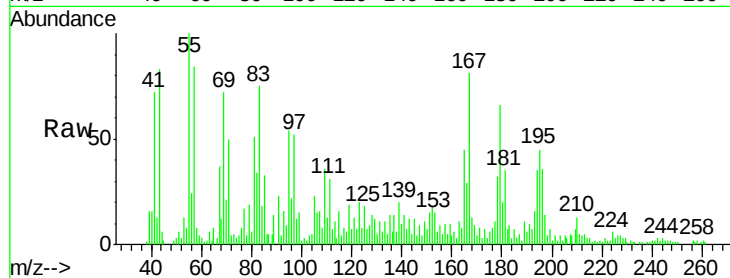
Tgt Ion:167 Resp: 30282

Ion Ratio Lower Upper

167 100

166 35.8 17.5 26.3#

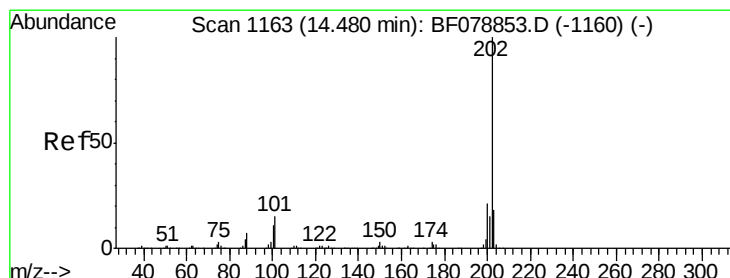
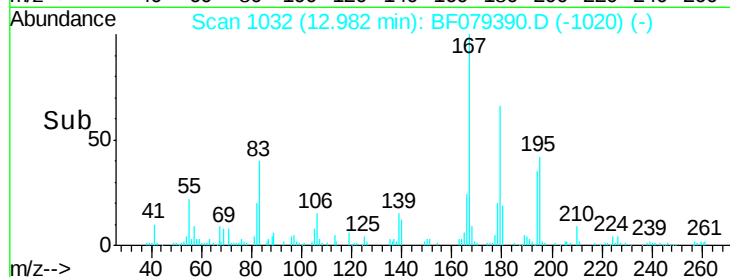
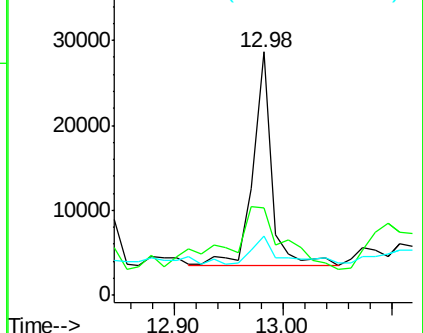
139 24.5 11.0 16.4#



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



#74

Fluoranthene

Concen: 6.57 ng

RT: 14.18 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

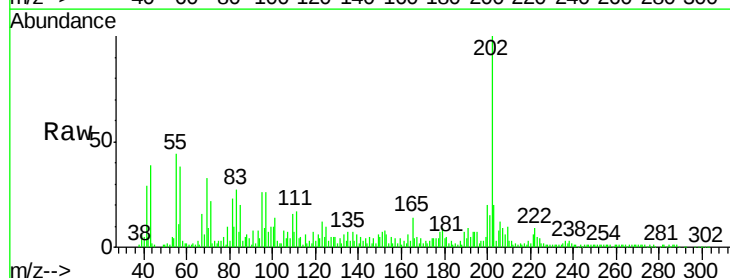
Tgt Ion:202 Resp: 106073

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.7

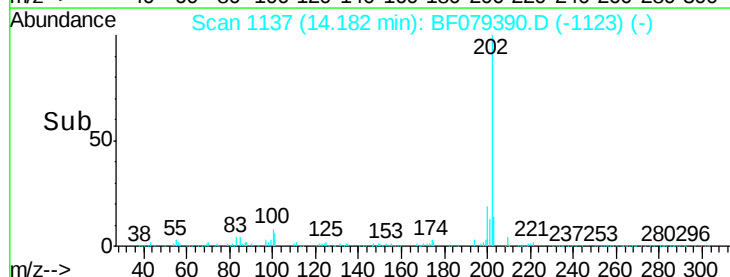
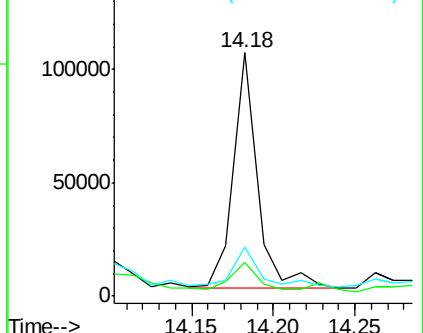
203 19.9 0.0 37.9

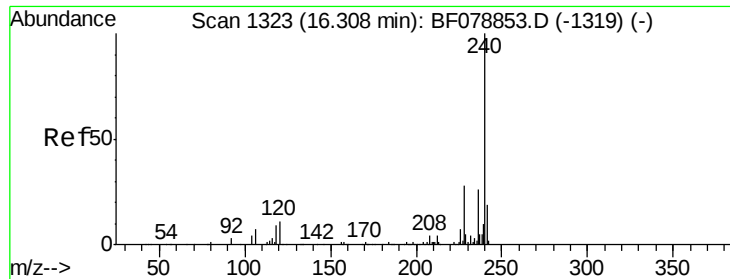


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.98 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

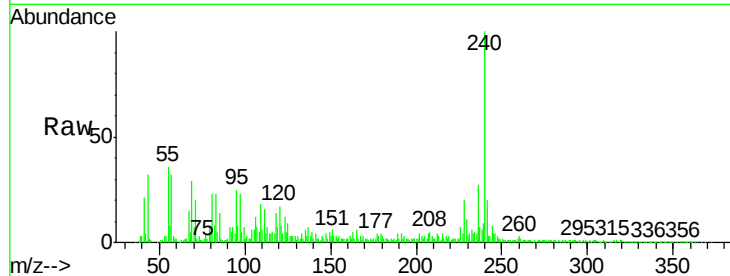
Tgt Ion:240 Resp: 283201

Ion Ratio Lower Upper

240 100

120 17.0 8.6 12.8#

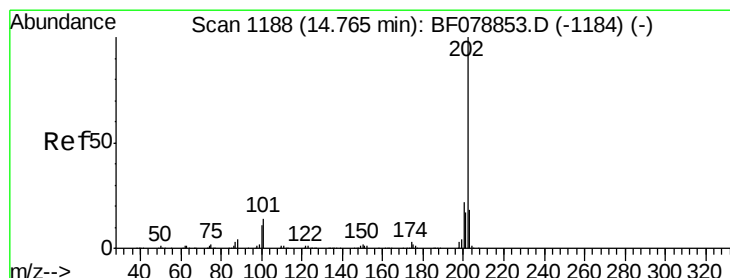
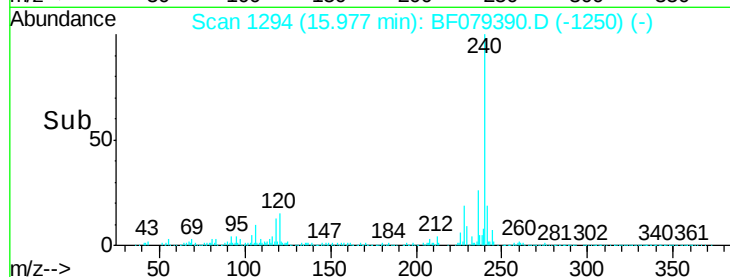
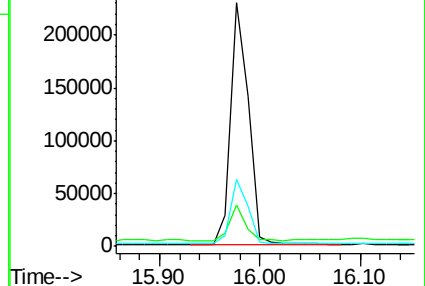
236 27.3 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.20 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

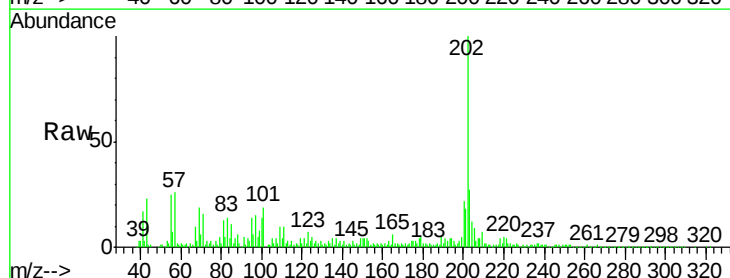
Tgt Ion:202 Resp: 280632

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

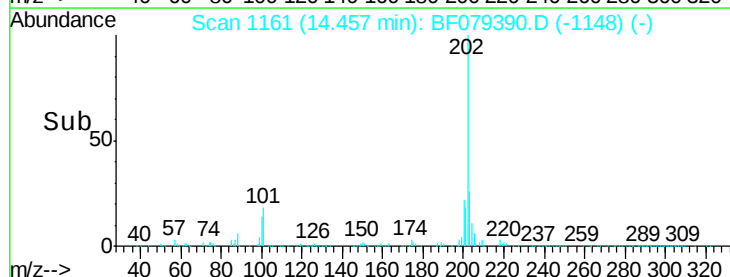
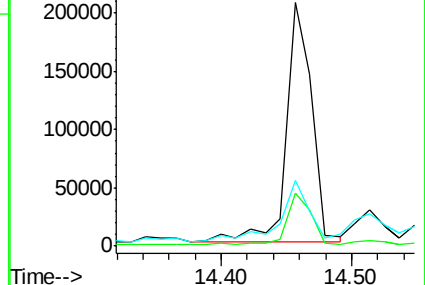
203 27.0 14.7 22.1#

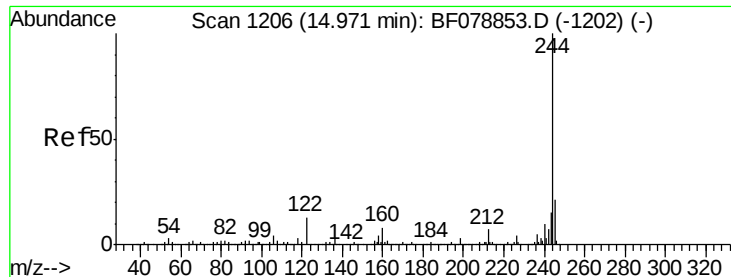


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.57 ng

RT: 14.67 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

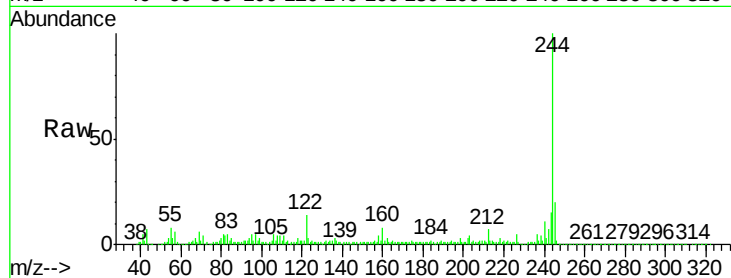
Tgt Ion:244 Resp: 633660

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

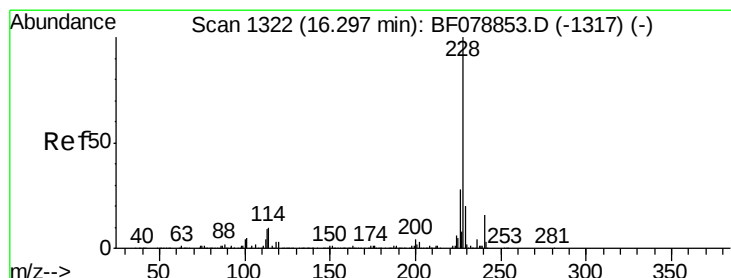
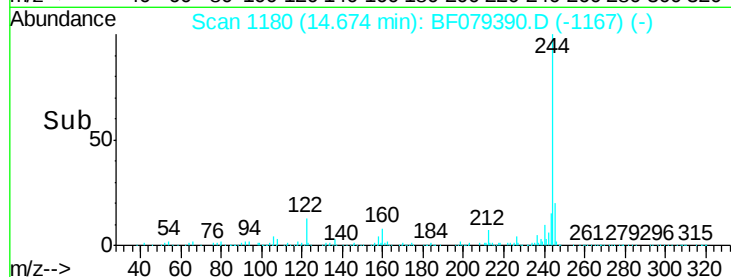
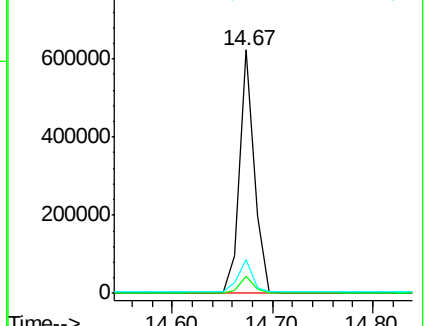
122 13.7 10.5 15.7



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: 7.67 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

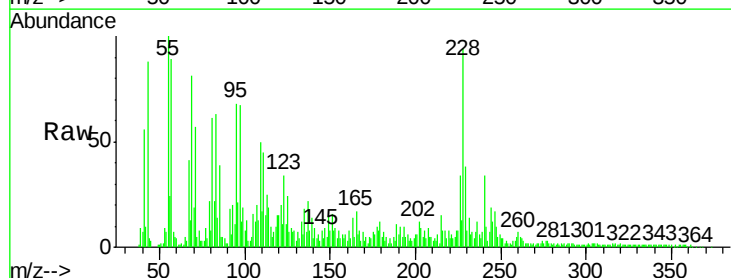
Tgt Ion:228 Resp: 118995

Ion Ratio Lower Upper

228 100

226 36.3 22.3 33.5#

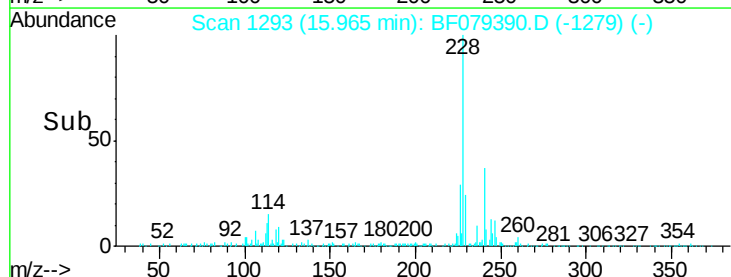
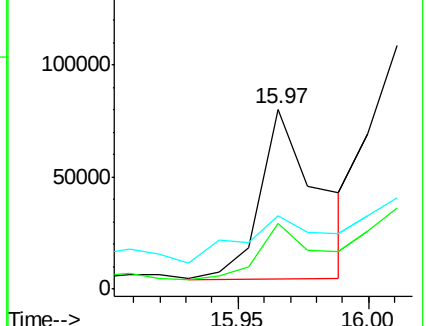
229 40.7 16.1 24.1#

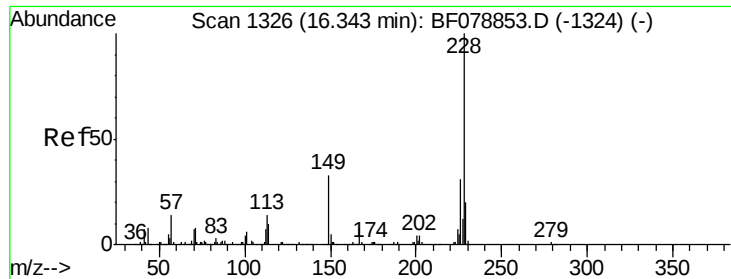


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.00 ng

RT: 16.01 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

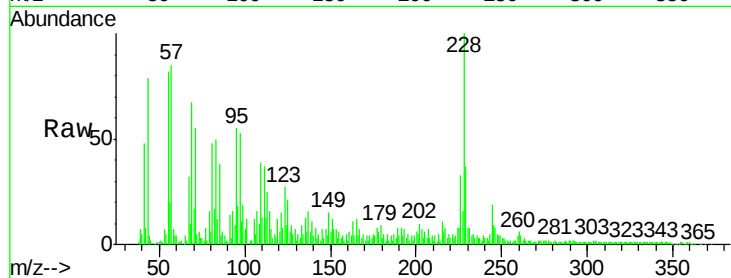
Tgt Ion:228 Resp: 149118

Ion Ratio Lower Upper

228 100

226 33.3 24.8 37.2

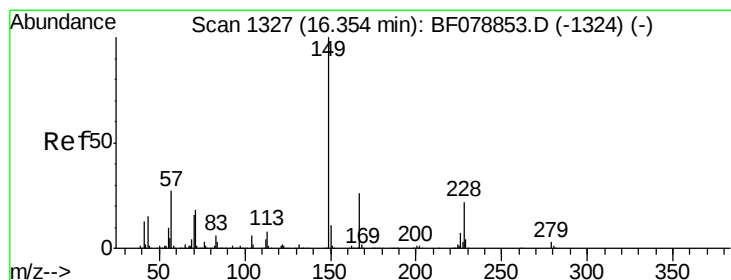
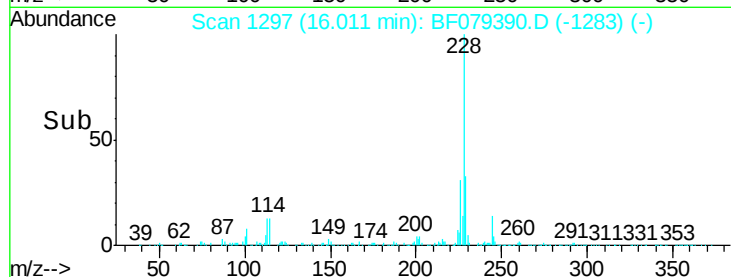
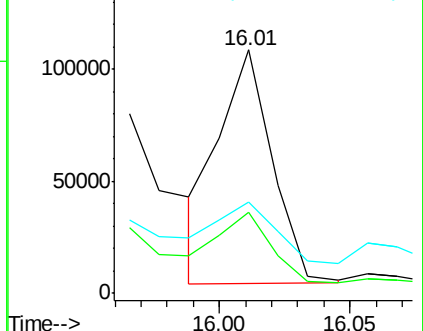
229 37.5 16.1 24.1#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 17.33 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

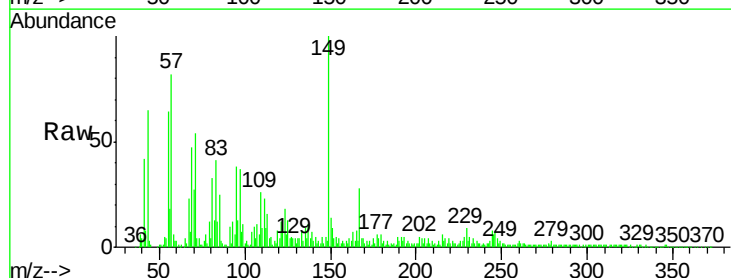
Tgt Ion:149 Resp: 187224

Ion Ratio Lower Upper

149 100

167 27.6 21.2 31.8

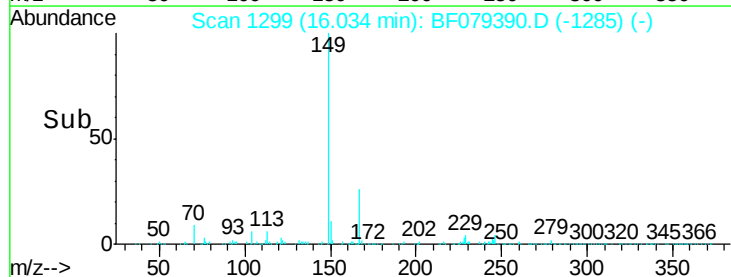
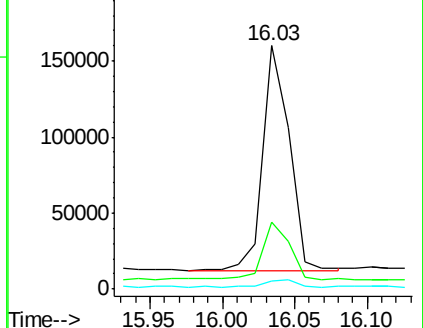
279 3.2 2.6 4.0

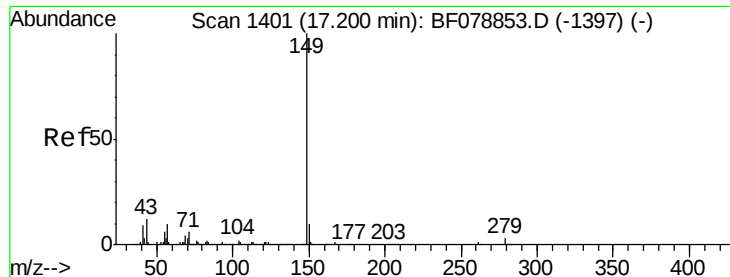


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

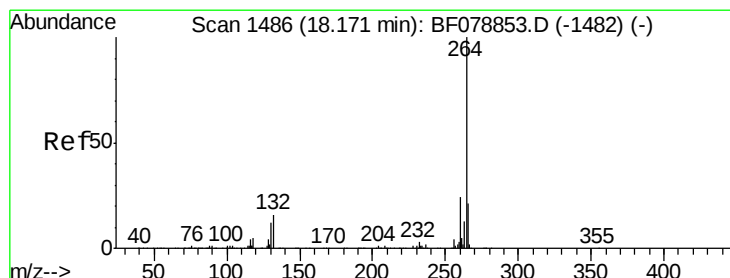
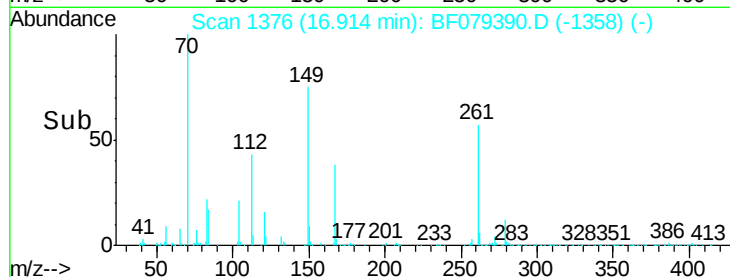
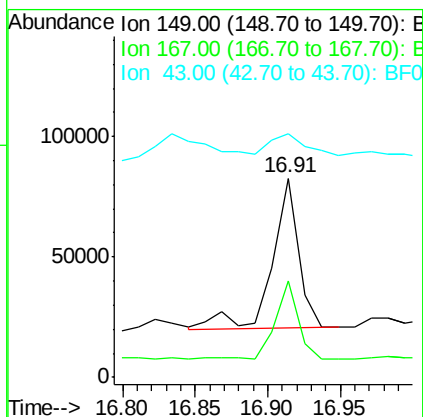
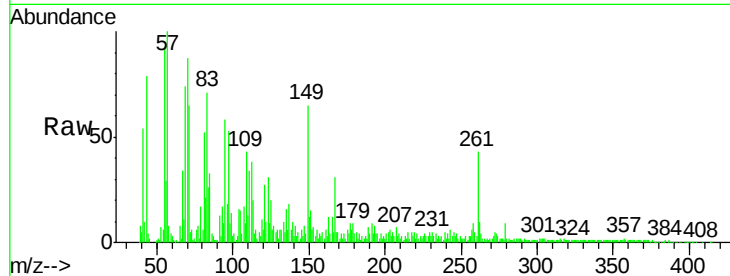




#84
Di-n-octyl phthalate
Concen: 4.17 ng
RT: 16.91 min Scan# 1376
Delta R.T. 0.03 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

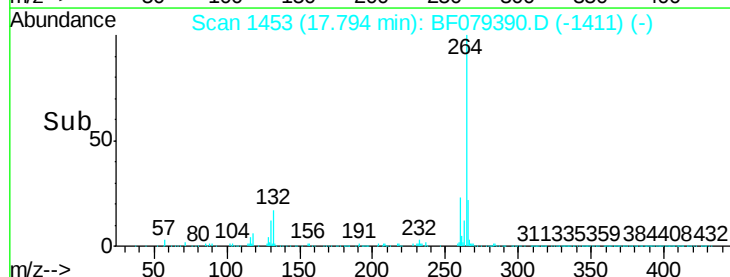
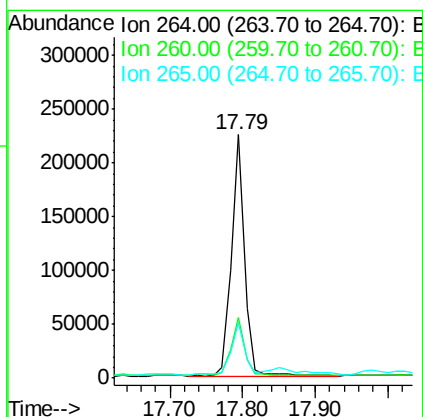
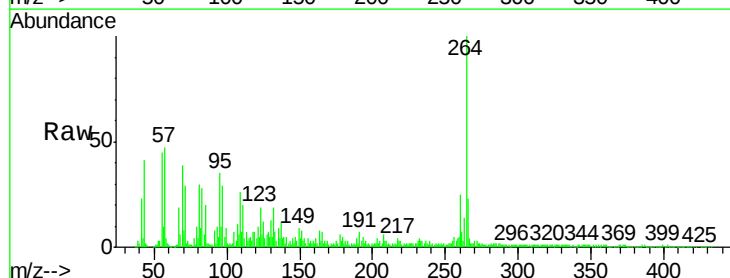
Instrument :
BNA_F
ClientSampleId :
4DEPTH

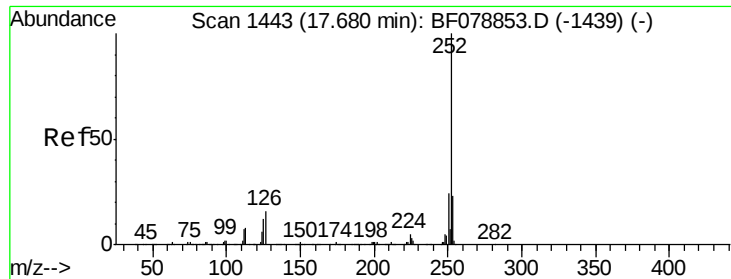
Tgt Ion:149 Resp: 79397
Ion Ratio Lower Upper
149 100
167 44.4 1.2 1.8#
43 21.3 9.0 13.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion:264 Resp: 282846
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.9 17.2 25.8

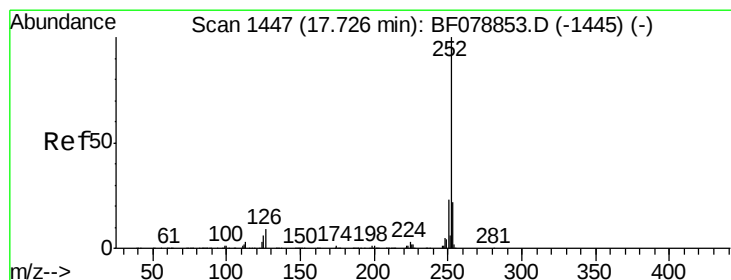
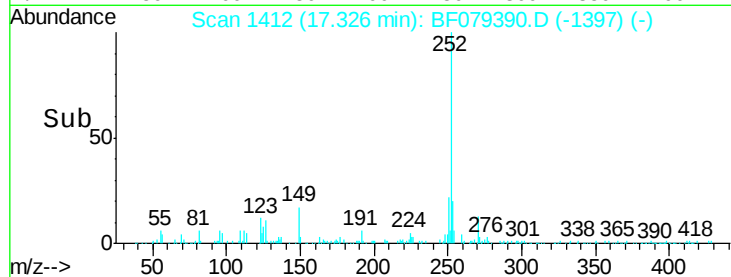
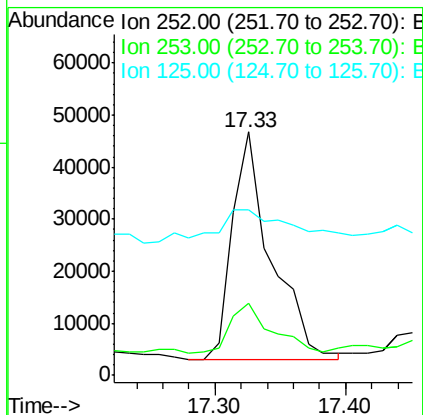
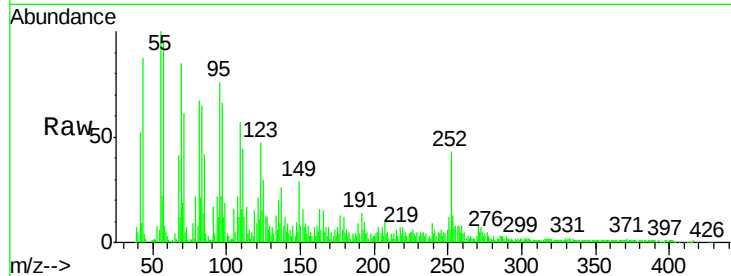




#87
Benzo(b)fluoranthene
Concen: 5.81 ng
RT: 17.33 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

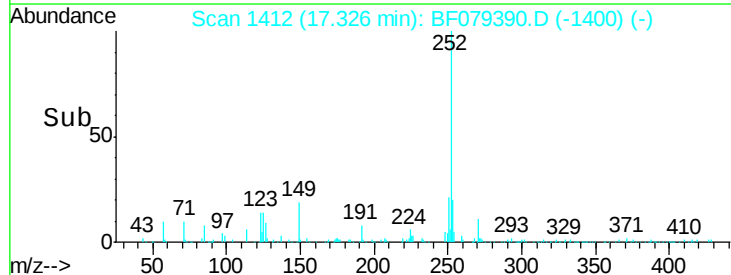
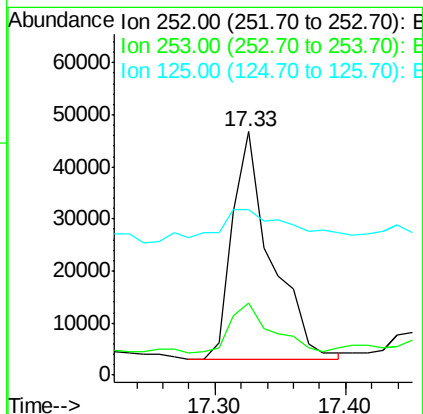
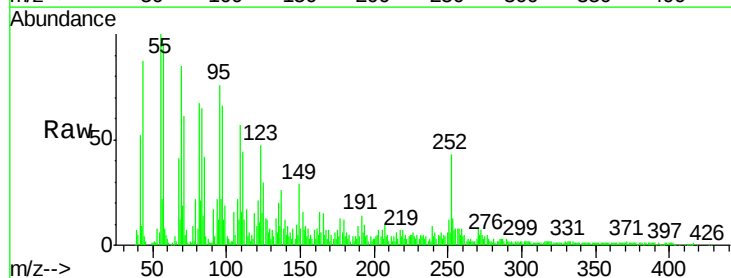
Instrument :
BNA_F
ClientSampleId :
4DEPTH

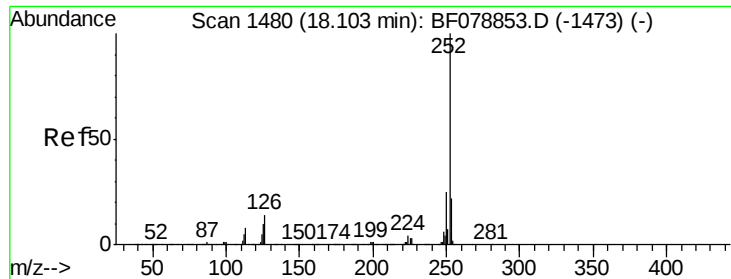
Tgt Ion:252 Resp: 90022
Ion Ratio Lower Upper
252 100
253 29.6 18.1 27.1#
125 68.3 9.4 14.2#



#88
Benzo(k)fluoranthene
Concen: 6.01 ng
RT: 17.33 min Scan# 1412
Delta R.T. -0.05 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion:252 Resp: 90022
Ion Ratio Lower Upper
252 100
253 29.6 17.4 26.0#
125 68.3 6.1 9.1#





#89

Benzo(a)pyrene

Concen: 4.46 ng

RT: 17.73 min Scan# 1447

Delta R.T. -0.02 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampleId :

4DEPTH

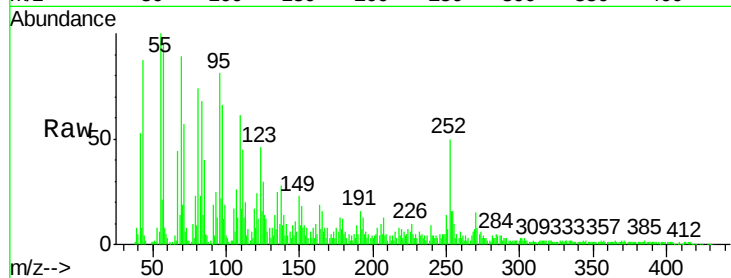
Tgt Ion:252 Resp: 63572

Ion Ratio Lower Upper

252 100

253 32.9 18.0 27.0#

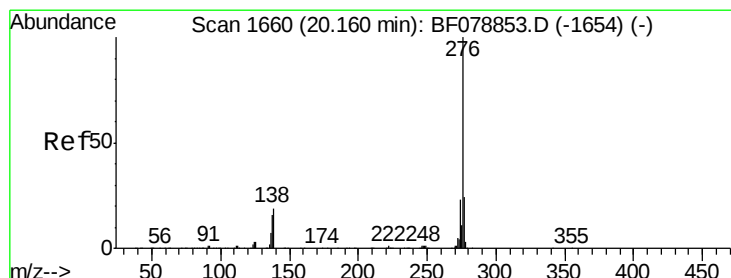
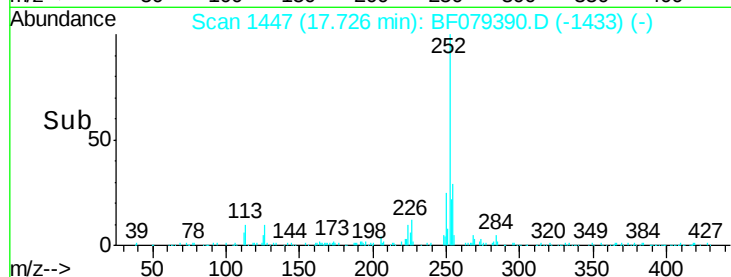
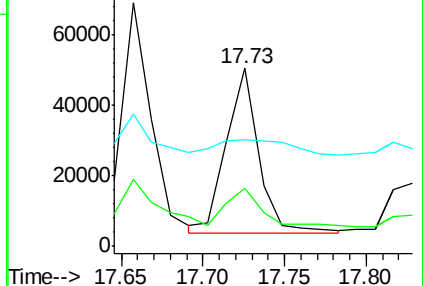
125 60.0 8.2 12.2#



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: 3.52 ng

RT: 19.58 min Scan# 1609

Delta R.T. -0.03 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

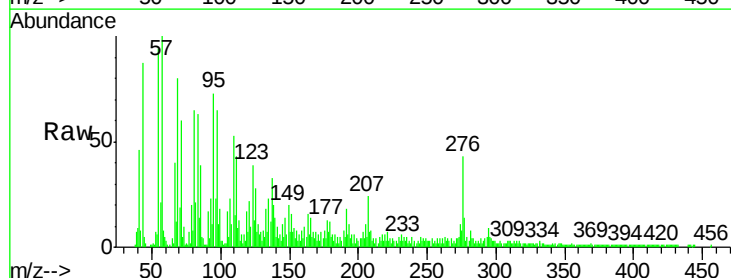
Tgt Ion:276 Resp: 53444

Ion Ratio Lower Upper

276 100

277 33.9 18.8 28.2#

138 47.0 15.2 22.8#



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

