

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
 Data File : BF080181.D
 Acq On : 25 Jun 2015 23:57
 Operator : TP/IZ
 Sample : G2775-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM1A

Quant Time: Jun 26 03:14:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 26 01:01:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	31421	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	124013	20.00	ng	0.00
38) Acenaphthene-d10	10.36	164	67025	20.00	ng	0.00
63) Phenanthrene-d10	11.86	188	134565	20.00	ng	0.00
75) Chrysene-d12	14.83	240	137450	20.00	ng	0.00
86) Perylene-d12	16.70	264	129177	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	277355	156.25	ng	0.00
7) Phenol-d6	6.89	99	359348	152.13	ng	-0.01
23) Nitrobenzene-d5	7.85	82	230692	108.30	ng	0.00
41) 2,4,6-Tribromophenol	11.16	330	99353	151.59	ng	0.00
44) 2-Fluorobiphenyl	9.66	172	418421	89.03	ng	-0.01
78) Terphenyl-d14	13.56	244	527442	89.62	ng	0.01

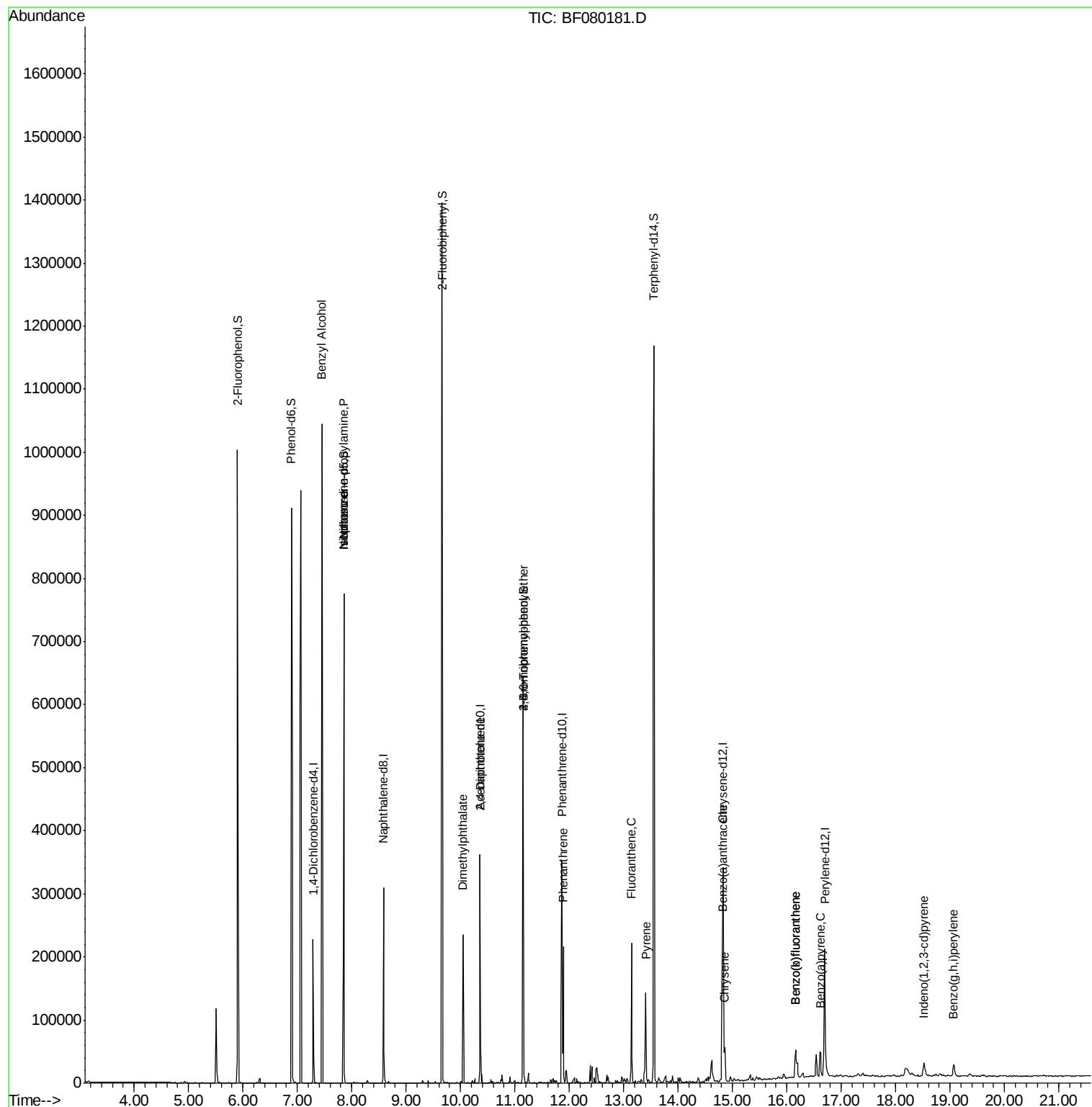
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.45	79	4012	2.08	ng	# 30
19) n-Nitroso-di-n-propylamine	7.85	70	29408	17.93	ng	# 59
25) Isophorone	7.85	82	189380	44.17	ng	# 58
49) Dimethylphthalate	10.05	163	88166	17.50	ng	# 97
56) 2,4-Dinitrotoluene	10.36	165	8854	6.91	ng	# 31
66) 4-Bromophenyl-phenylether	11.16	248	7002	4.89	ng	# 1
70) Phenanthrene	11.89	178	80957	9.94	ng	98
74) Fluoranthene	13.15	202	91451	10.54	ng	92
77) Pyrene	13.41	202	89481	10.57	ng	97
80) Benzo(a)anthracene	14.81	228	33384	3.99	ng	95
82) Chrysene	14.86	228	30917	4.00	ng	96
85) Indeno(1,2,3-cd)pyrene	18.52	276	21524	2.21	ng	# 84
87) Benzo(b)fluoranthene	16.16	252	49085	6.28	ng	# 88
88) Benzo(k)fluoranthene	16.16	252	49085	6.16	ng	# 88
89) Benzo(a)pyrene	16.62	252	29406	3.96	ng	# 84
91) Benzo(g,h,i)perylene	19.07	276	20355	2.65	ng	# 80

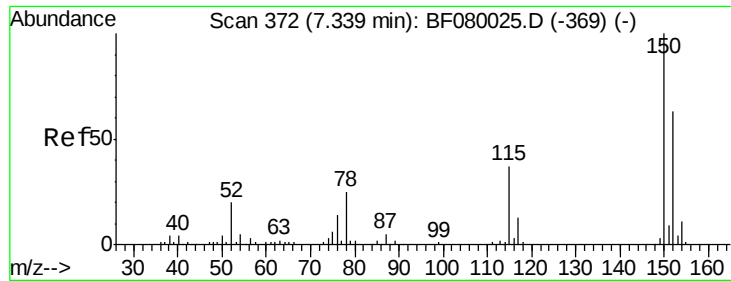
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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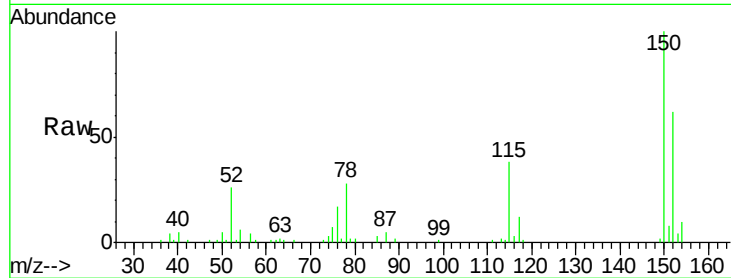


#1

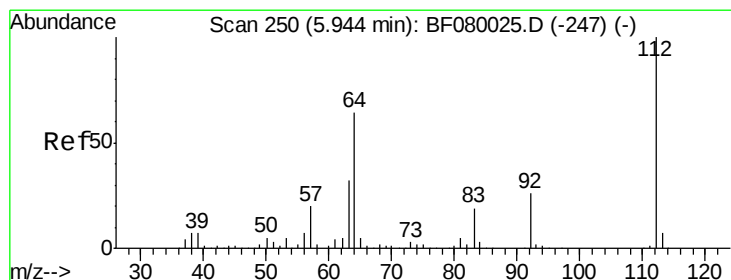
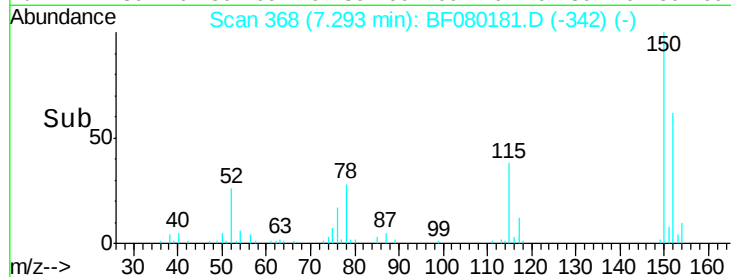
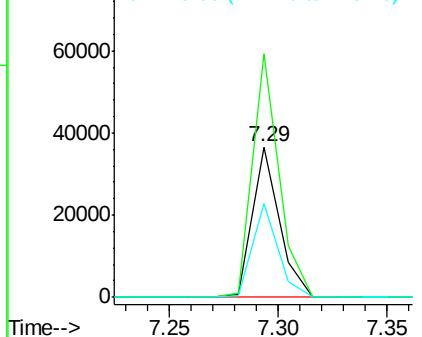
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.29 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Instrument :
 BNA_F
 ClientSampleId :
 MM1A

Tgt Ion:152 Resp: 31421
 Ion Ratio Lower Upper
 152 100
 150 162.1 124.7 187.1
 115 62.3 39.0 58.4#



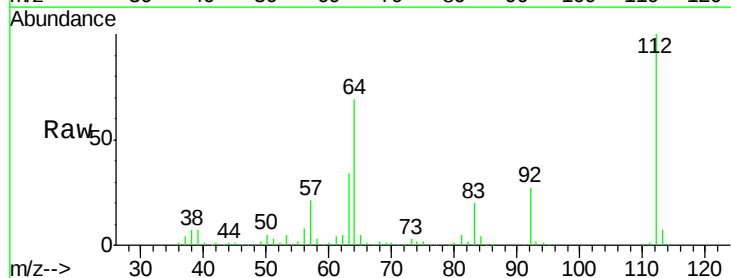
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



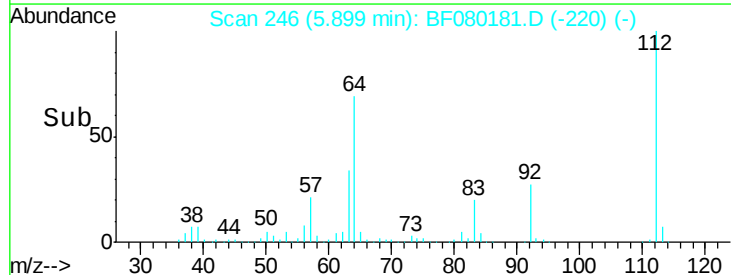
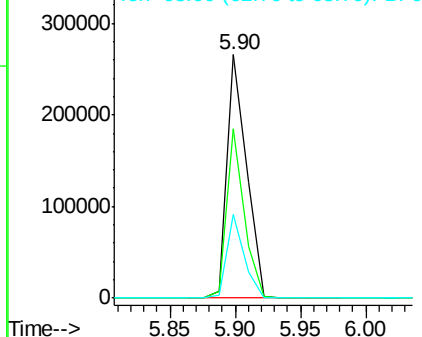
#5

2-Fluorophenol
 Concen: 156.25 ng
 RT: 5.90 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Tgt Ion:112 Resp: 277355
 Ion Ratio Lower Upper
 112 100
 64 69.4 39.7 59.5#
 63 34.4 17.4 26.0#



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: 152.13 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

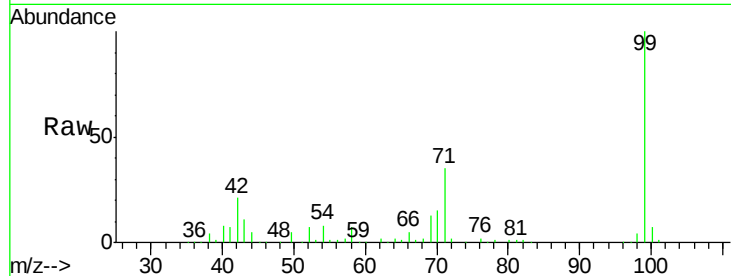
Tgt Ion: 99 Resp: 359348

Ion Ratio Lower Upper

99 100

42 21.4 13.7 20.5#

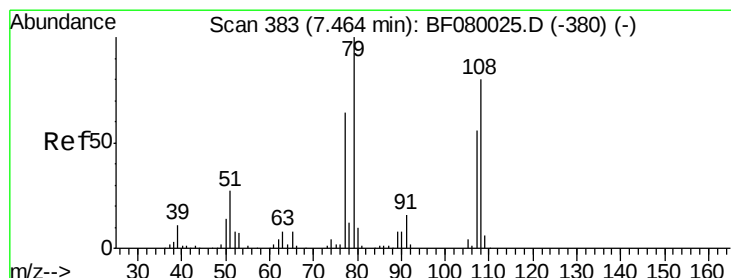
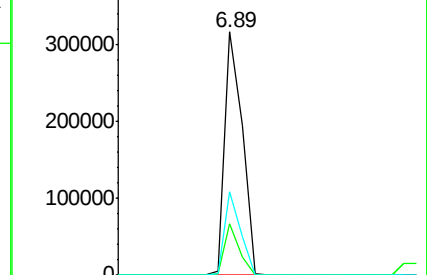
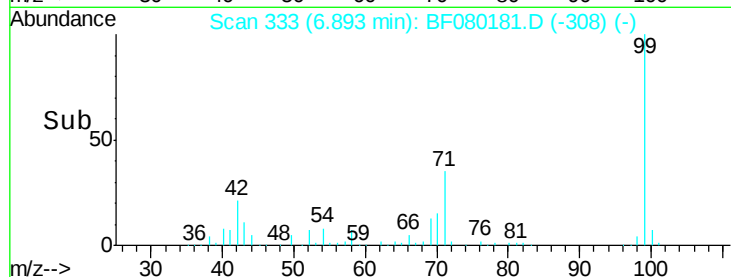
71 34.5 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

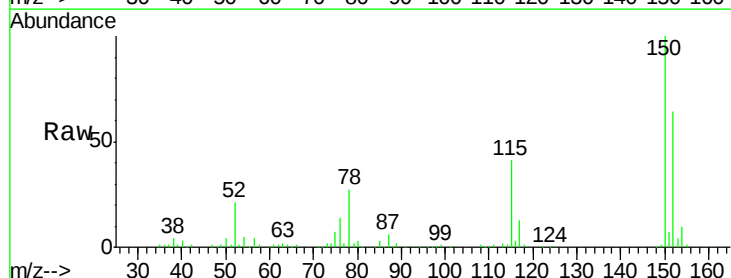
Tgt Ion: 79 Resp: 4012

Ion Ratio Lower Upper

79 100

108 30.9 88.6 132.8#

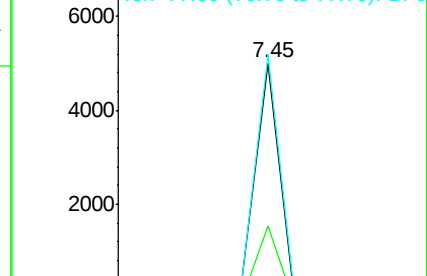
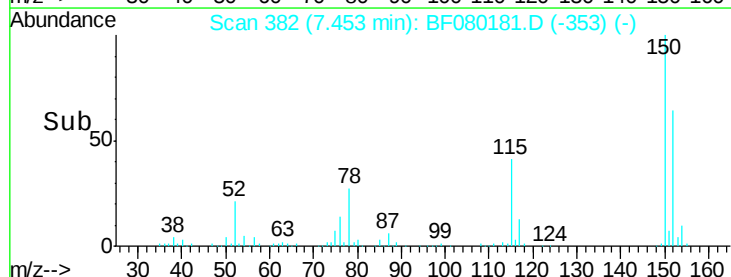
77 103.7 47.0 70.4#

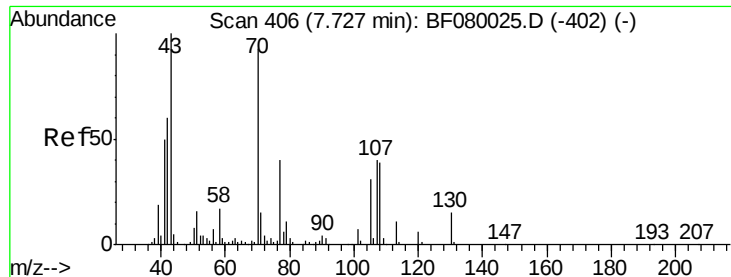


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

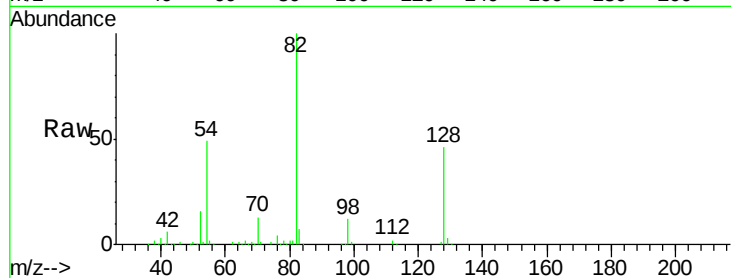




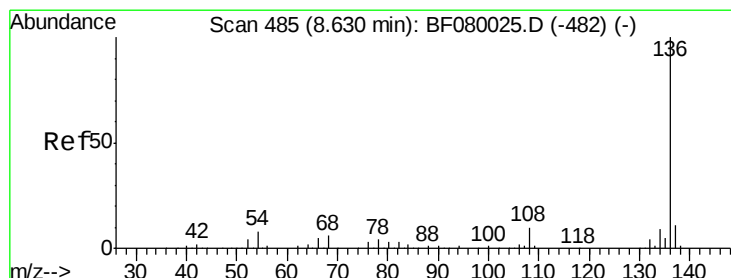
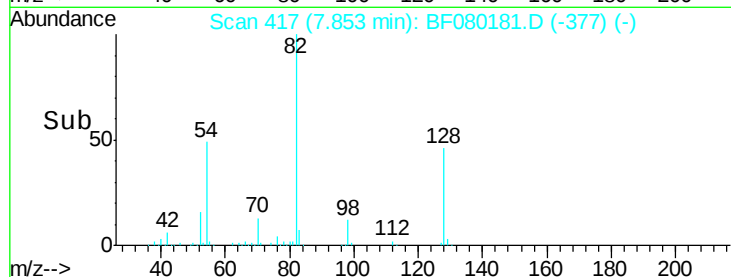
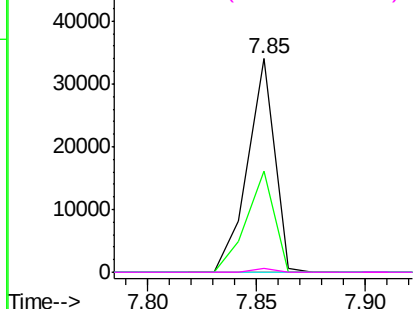
#19
n-Nitroso-di-n-propylamine
Concen: 17.93 ng
RT: 7.85 min Scan# 417
Delta R.T. 0.16 min
Lab File: BF080181.D
Acq: 25 Jun 2015 23:57

Instrument :
BNA_F
ClientSampleId :
MM1A

Tgt Ion: 70 Resp: 29408
Ion Ratio Lower Upper
70 100
42 47.4 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#

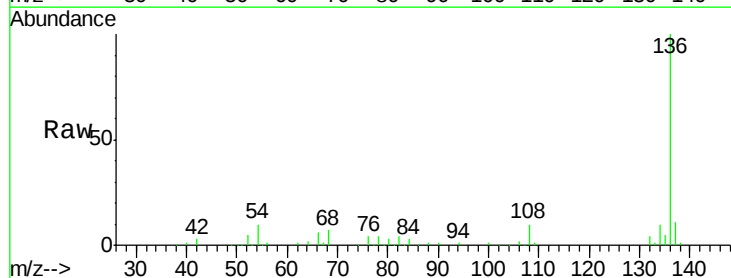


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

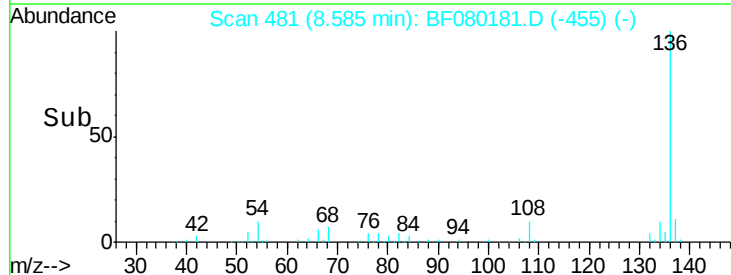
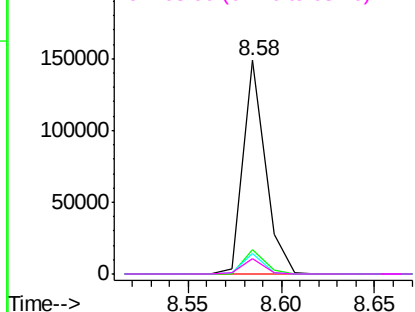


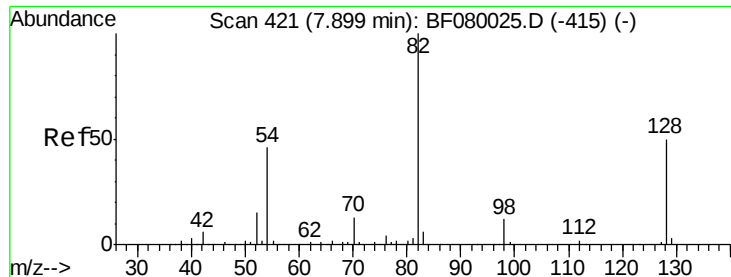
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF080181.D
Acq: 25 Jun 2015 23:57

Tgt Ion:136 Resp: 124013
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.7 8.2 12.2
68 7.1 5.8 8.6



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: 108.30 ng

RT: 7.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

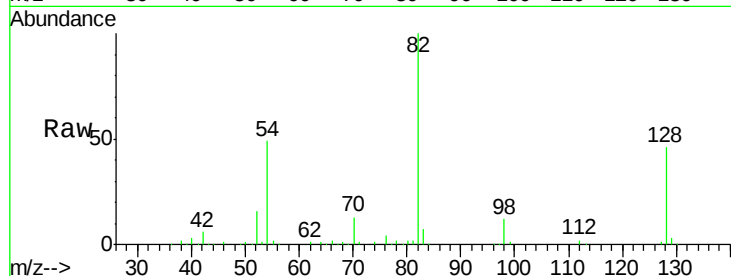
Tgt Ion: 82 Resp: 230692

Ion Ratio Lower Upper

82 100

128 45.8 51.0 76.6#

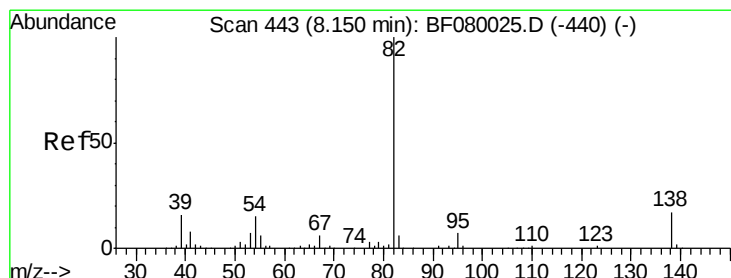
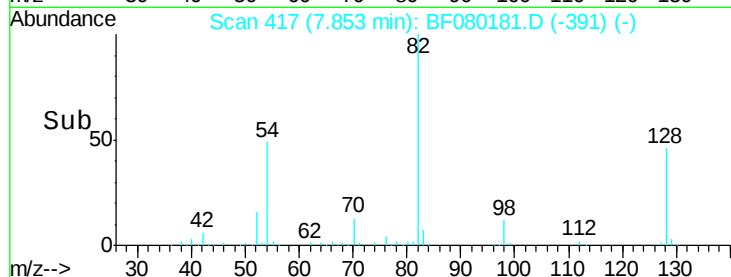
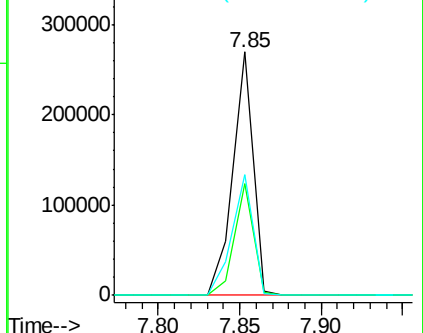
54 49.4 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 44.17 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.26 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

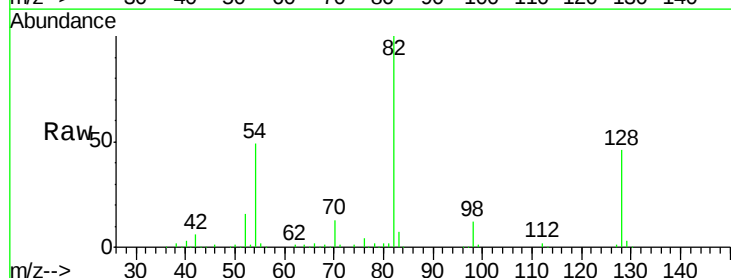
Tgt Ion: 82 Resp: 189380

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

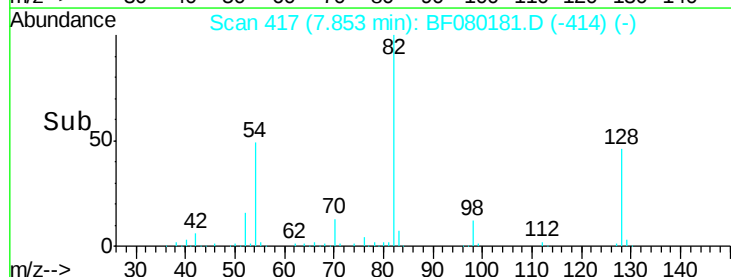
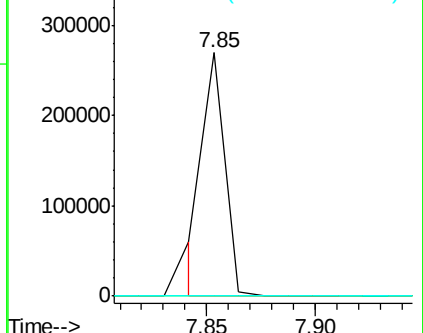
138 0.0 18.3 27.5#

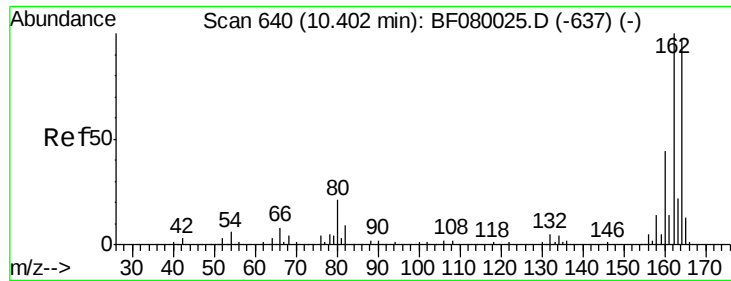


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

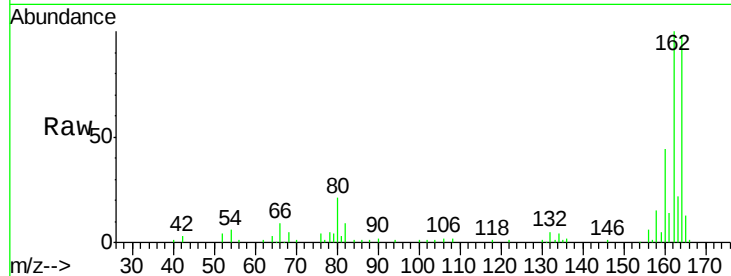




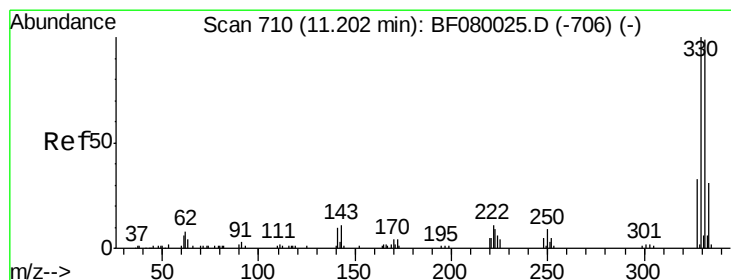
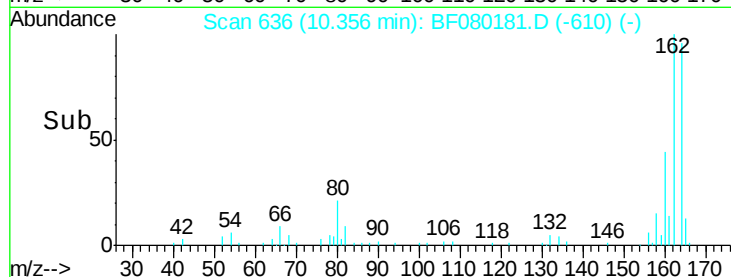
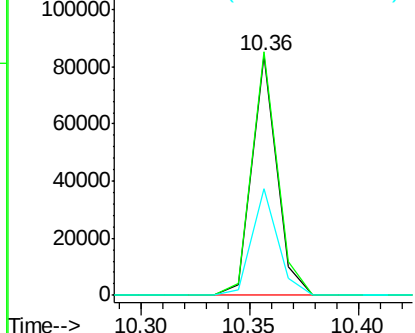
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Instrument :
 BNA_F
 ClientSampled :
 MM1A

Tgt Ion:164 Resp: 67025
 Ion Ratio Lower Upper
 164 100
 162 101.7 75.2 112.8
 160 44.5 31.5 47.3

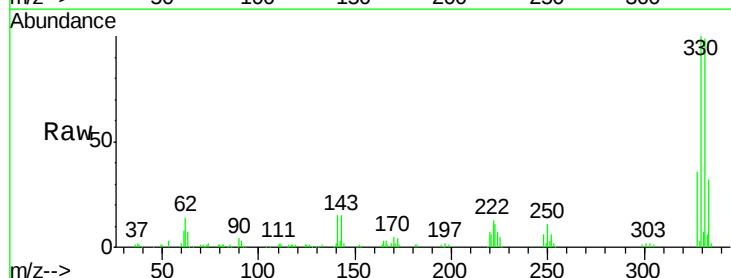


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

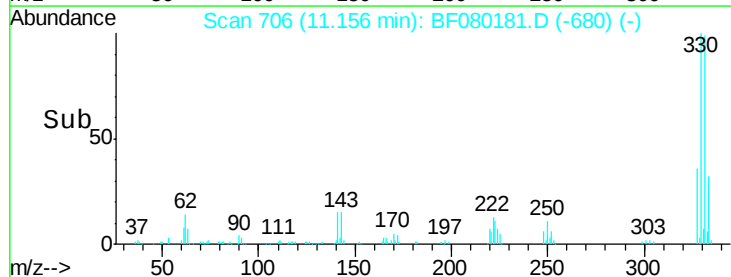
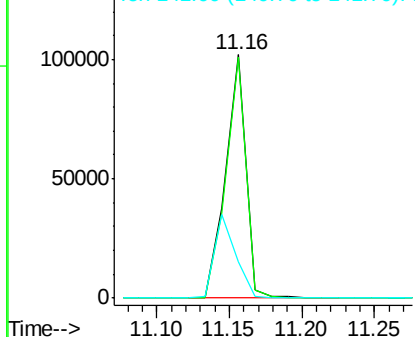


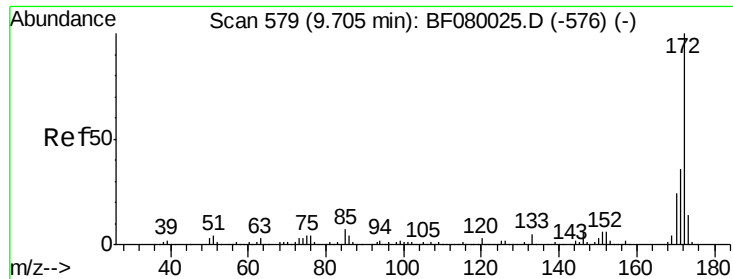
#41
 2,4,6-Tribromophenol
 Concen: 151.59 ng
 RT: 11.16 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Tgt Ion:330 Resp: 99353
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 35.1 29.7 44.5



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

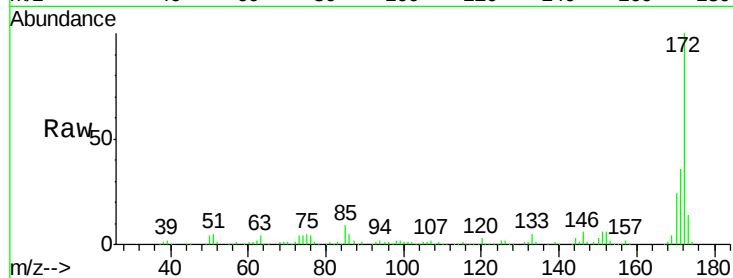




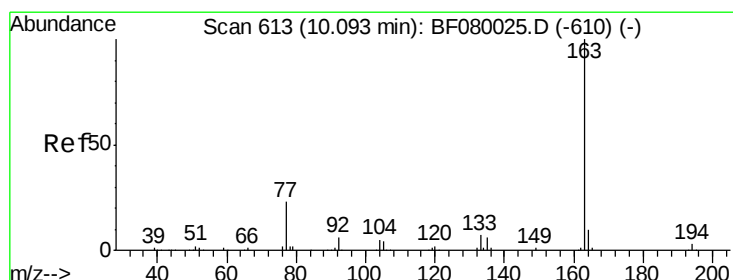
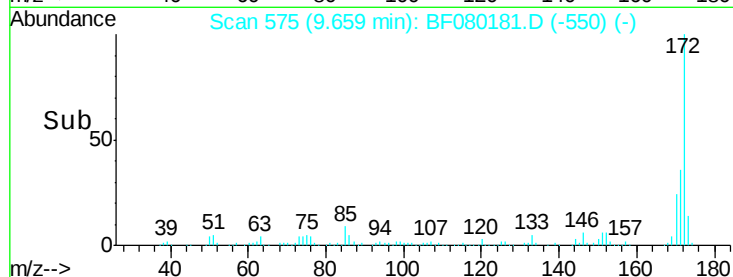
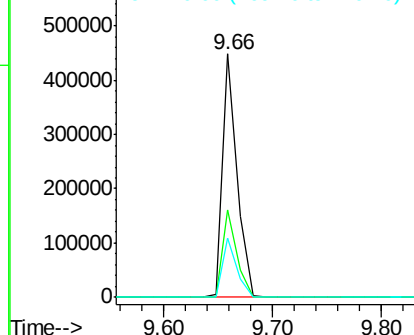
#44
2-Fluorobiphenyl
Concen: 89.03 ng
RT: 9.66 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF080181.D
Acq: 25 Jun 2015 23:57

Instrument :
BNA_F
ClientSampleId :
MM1A

Tgt Ion:172 Resp: 418421
Ion Ratio Lower Upper
172 100
171 35.8 26.1 39.1
170 24.4 17.4 26.2

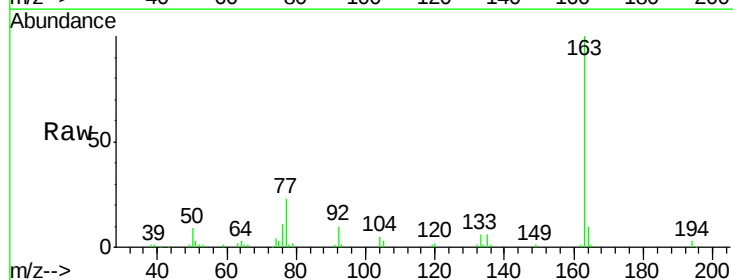


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

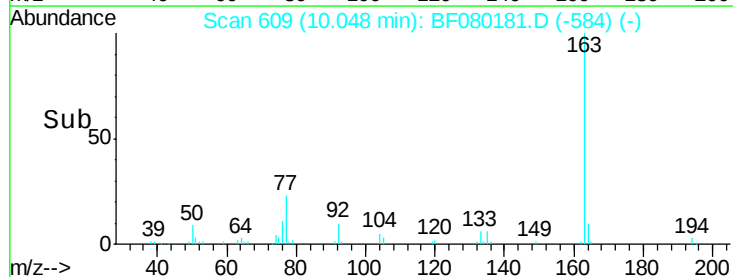
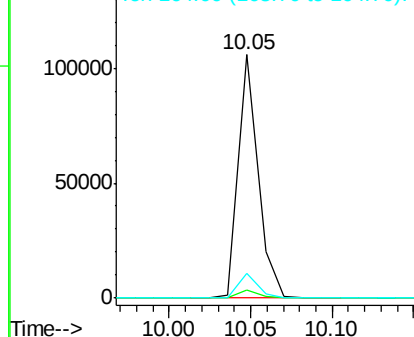


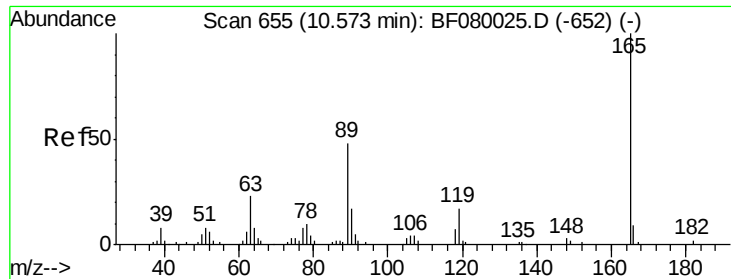
#49
Dimethylphthalate
Concen: 17.50 ng
RT: 10.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF080181.D
Acq: 25 Jun 2015 23:57

Tgt Ion:163 Resp: 88166
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 10.0 8.3 12.5



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

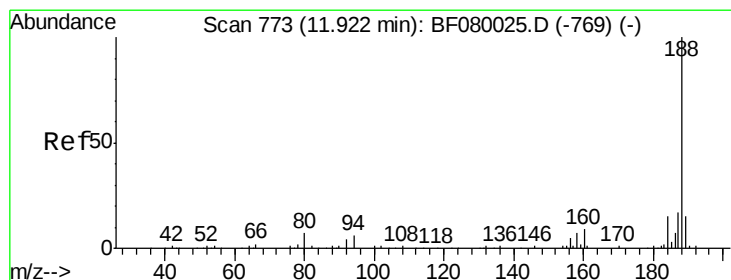
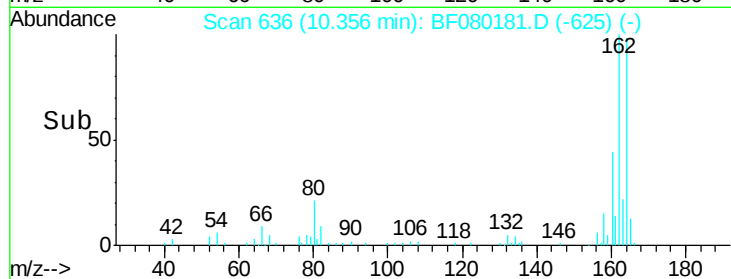
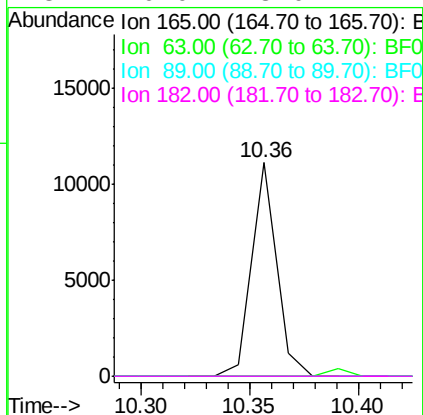
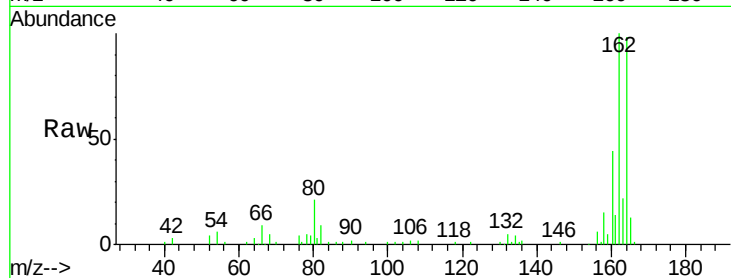




#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 10.36 min Scan# 636
 Delta R.T. -0.17 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

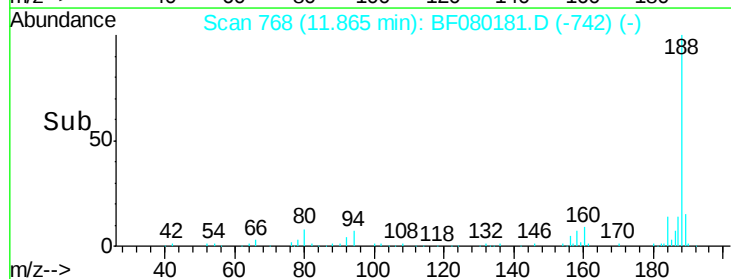
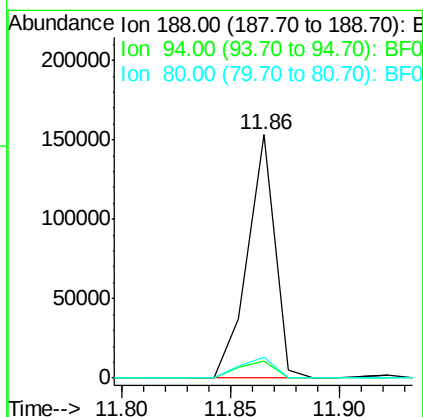
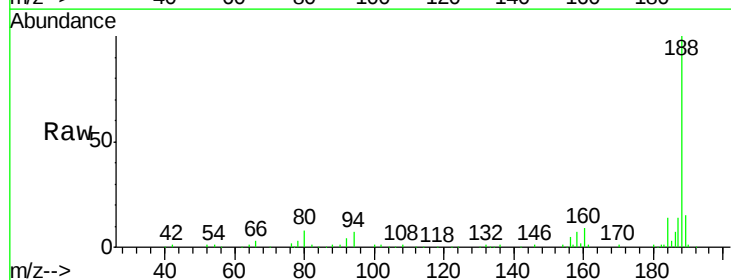
Instrument :
 BNA_F
 ClientSampleId :
 MM1A

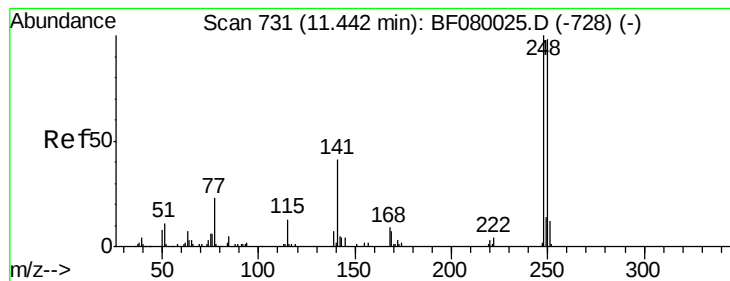
Tgt Ion:	165	Resp:	8854
Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.86 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Tgt Ion:	188	Resp:	134565
Ion	Ratio	Lower	Upper
188	100		
94	7.2	11.1	16.7#
80	8.3	11.0	16.4#





#66

4-Bromophenyl-phenylether

Concen: 4.89 ng

RT: 11.16 min Scan# 706

Delta R.T. -0.24 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

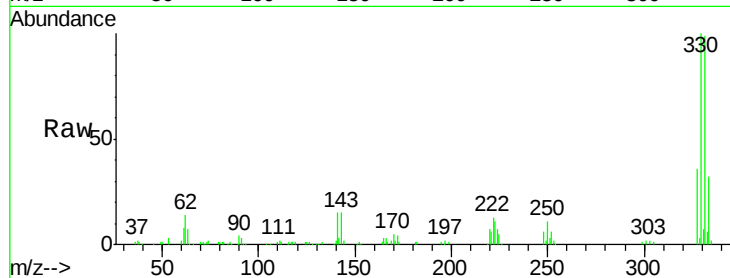
Tgt Ion:248 Resp: 7002

Ion Ratio Lower Upper

248 100

250 204.2 78.5 117.7#

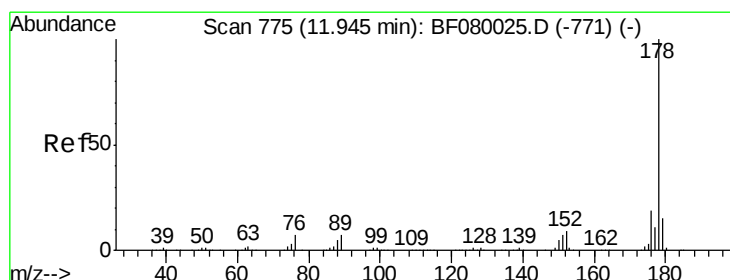
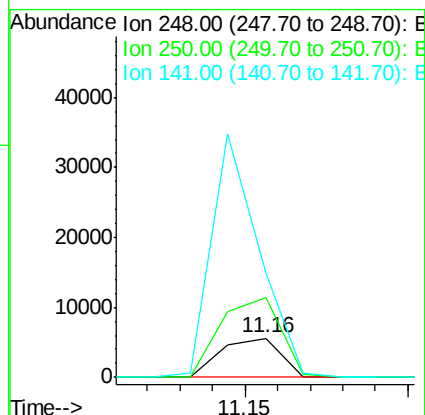
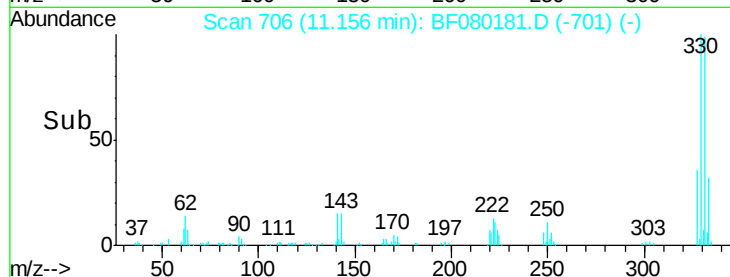
141 266.0 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 9.94 ng

RT: 11.89 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

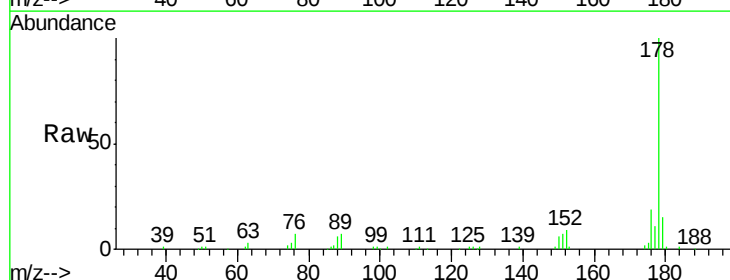
Tgt Ion:178 Resp: 80957

Ion Ratio Lower Upper

178 100

176 18.6 13.8 20.8

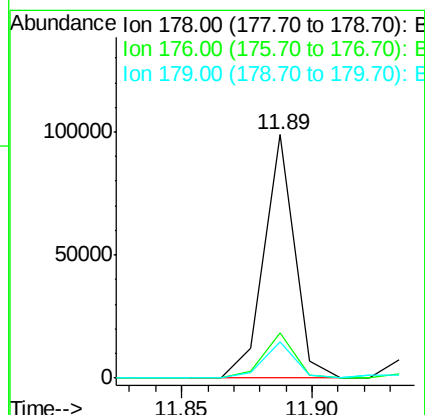
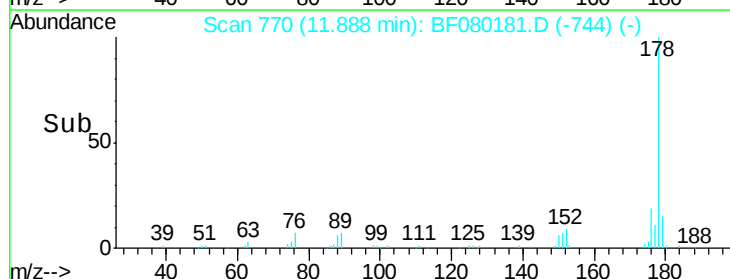
179 14.8 12.2 18.2

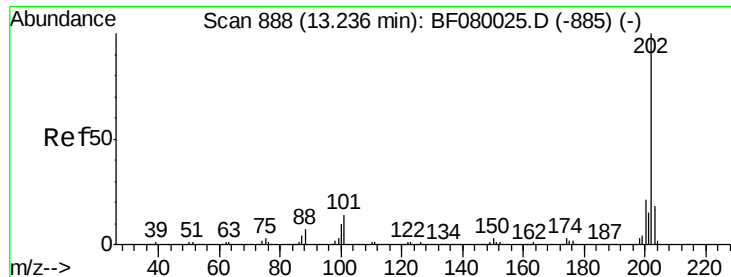


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.54 ng

RT: 13.15 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampled :

MM1A

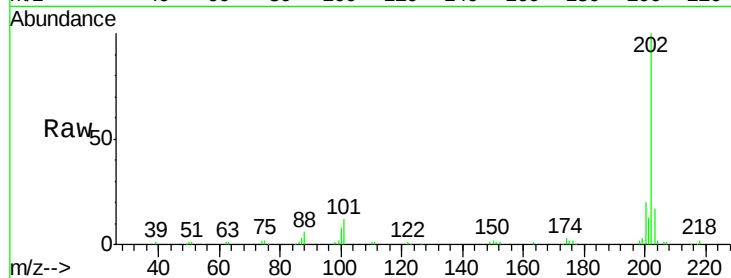
Tgt Ion:202 Resp: 91451

Ion Ratio Lower Upper

202 100

101 11.5 0.0 38.3

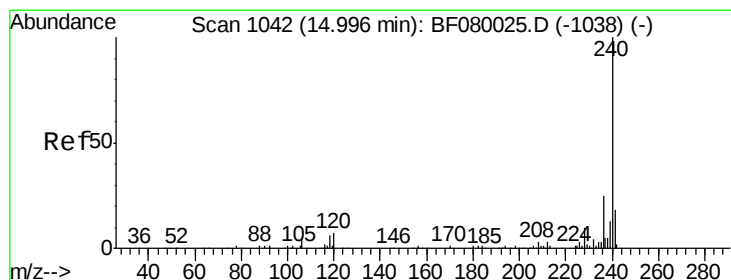
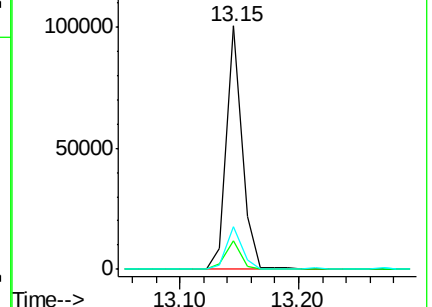
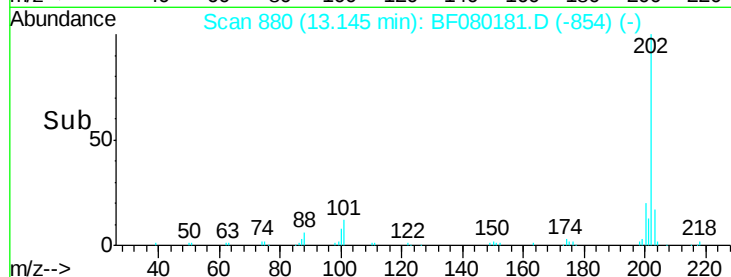
203 17.4 0.0 37.3



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: 14.83 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

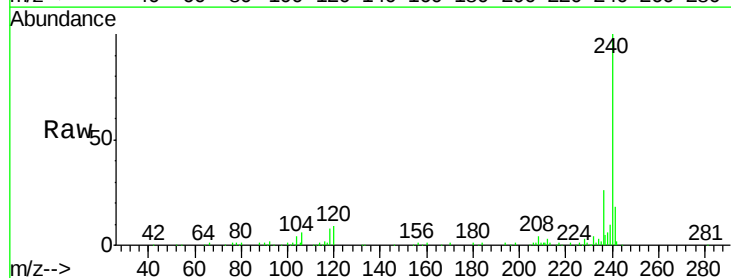
Tgt Ion:240 Resp: 137450

Ion Ratio Lower Upper

240 100

120 8.7 16.2 24.2#

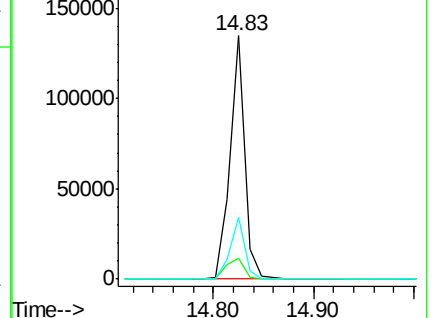
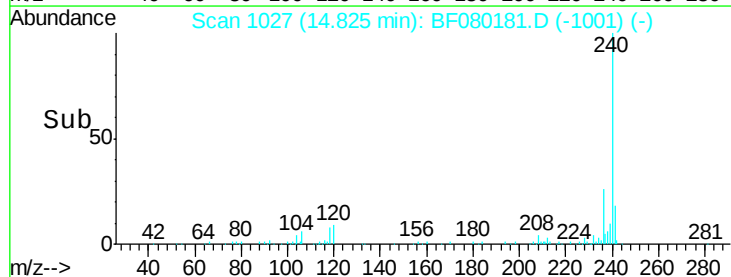
236 25.6 18.4 27.6

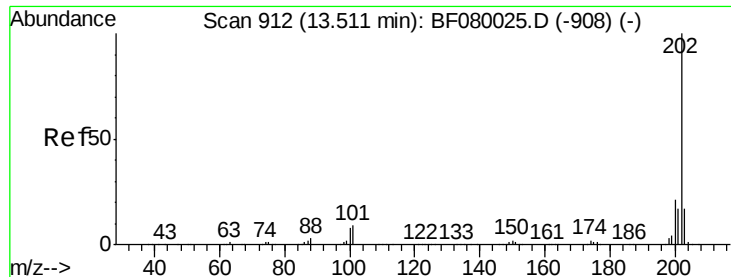


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.57 ng

RT: 13.41 min Scan# 903

Delta R.T. 0.01 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

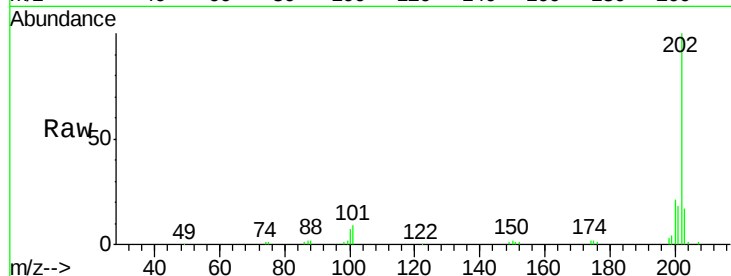
Tgt Ion: 202 Resp: 89481

Ion Ratio Lower Upper

202 100

200 20.7 15.0 22.4

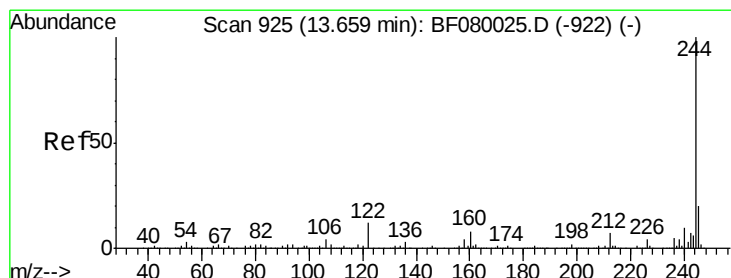
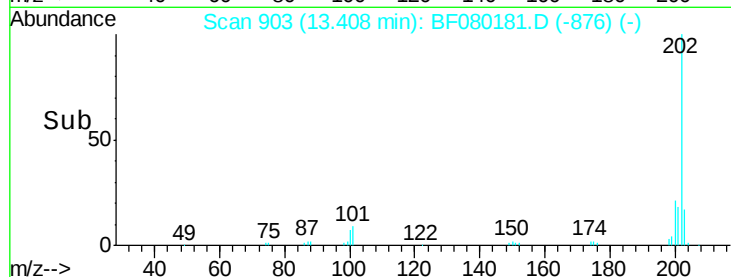
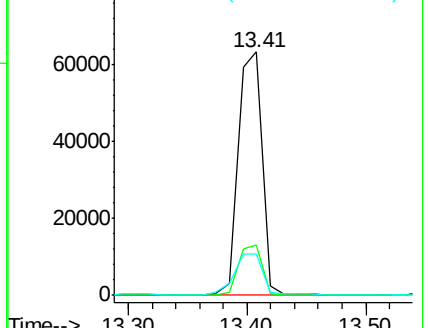
203 16.7 14.1 21.1



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: 89.62 ng

RT: 13.56 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

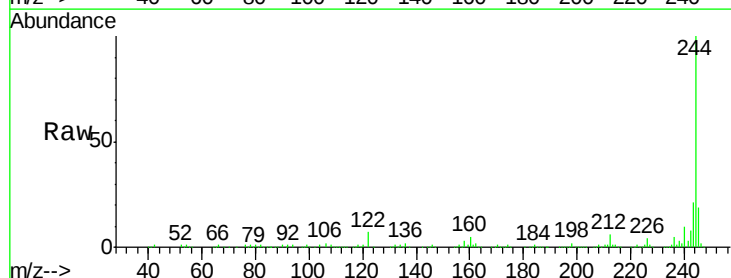
Tgt Ion: 244 Resp: 527442

Ion Ratio Lower Upper

244 100

212 6.3 4.3 6.5

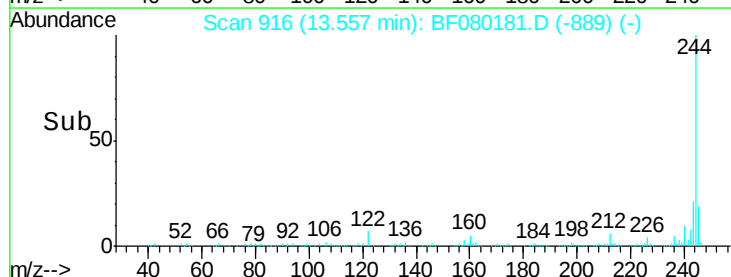
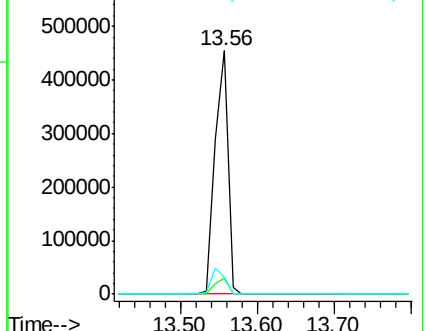
122 7.2 17.4 26.2#

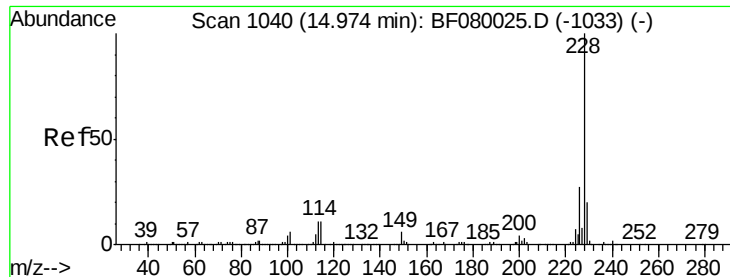


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.99 ng

RT: 14.81 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

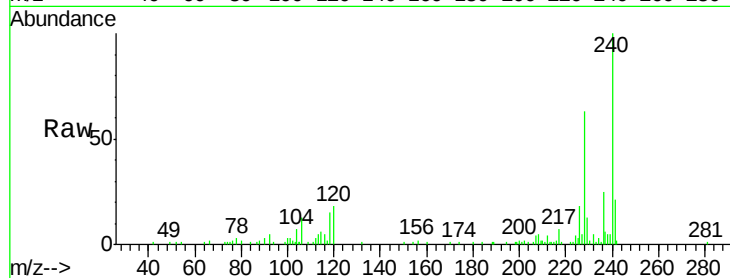
Tgt Ion:228 Resp: 33384

Ion Ratio Lower Upper

228 100

226 28.1 20.0 30.0

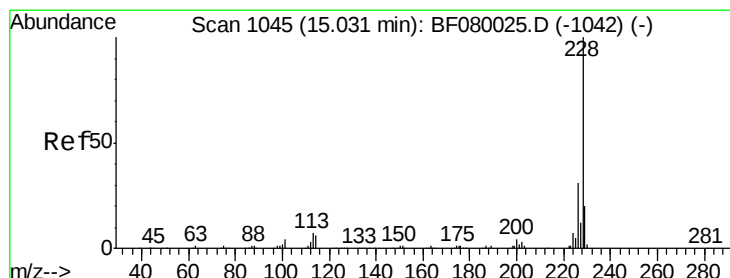
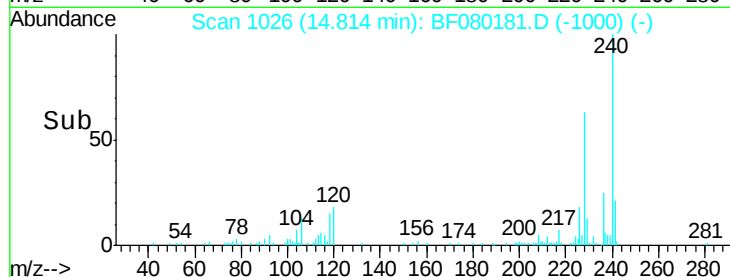
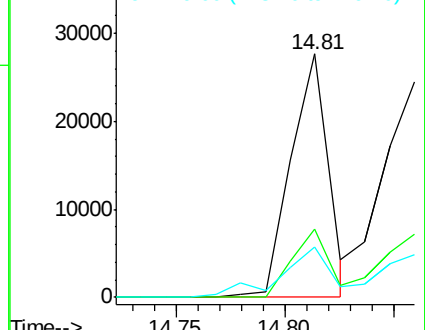
229 20.9 15.4 23.2



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: 4.00 ng

RT: 14.86 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

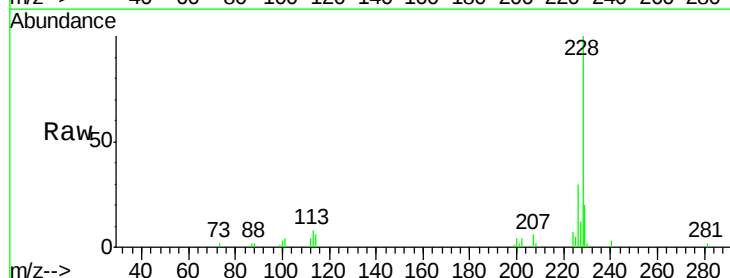
Tgt Ion:228 Resp: 30917

Ion Ratio Lower Upper

228 100

226 29.5 21.0 31.4

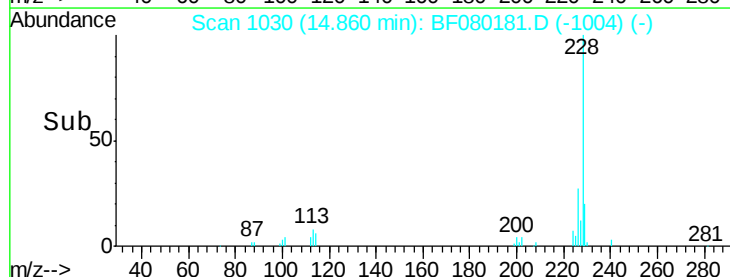
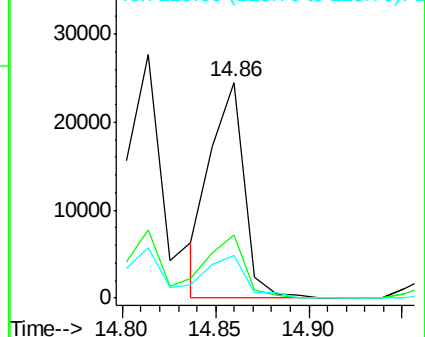
229 19.8 15.6 23.4

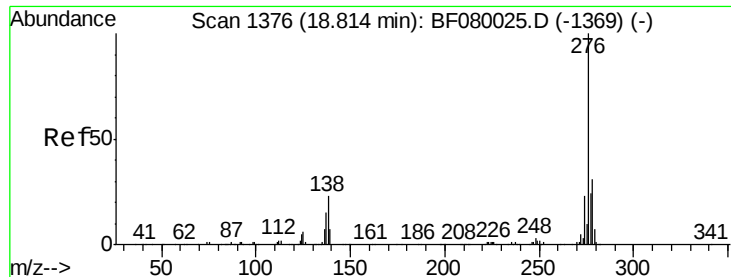


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

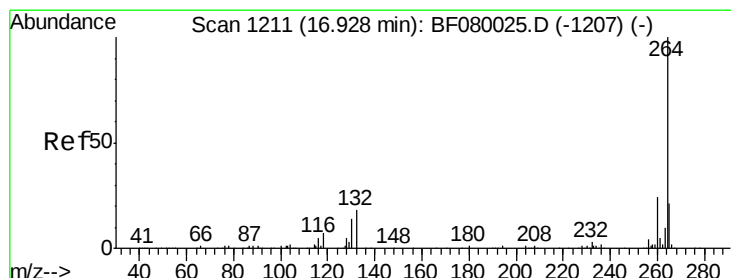
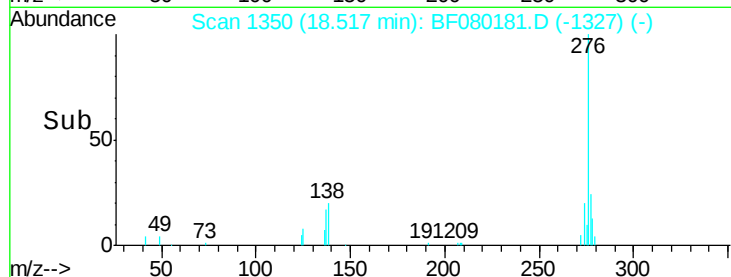
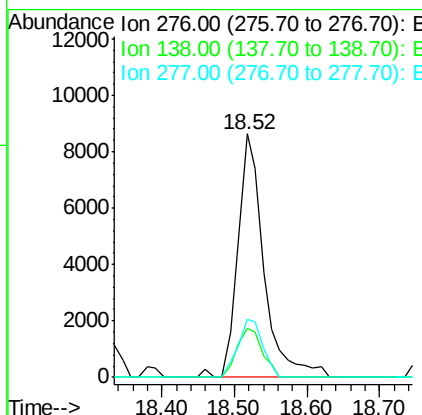
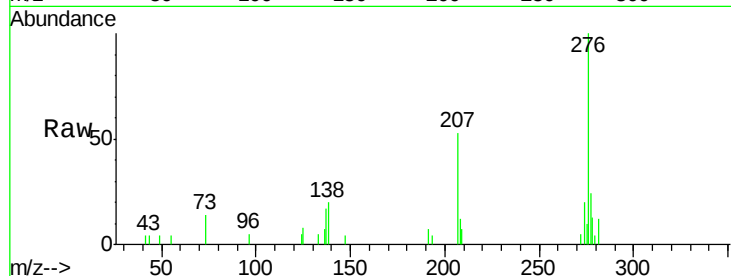




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.21 ng
 RT: 18.52 min Scan# 1350
 Delta R.T. -0.03 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

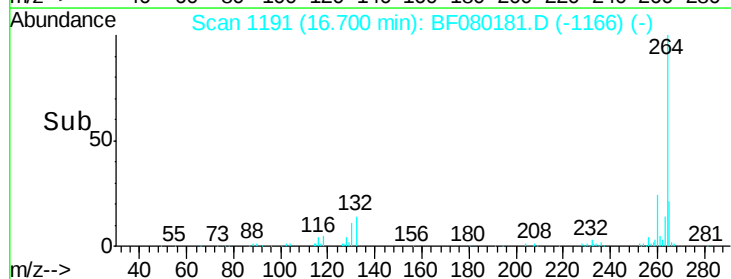
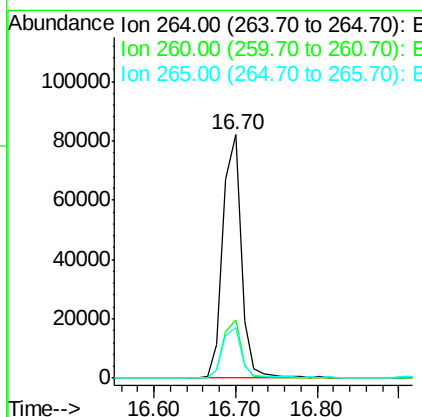
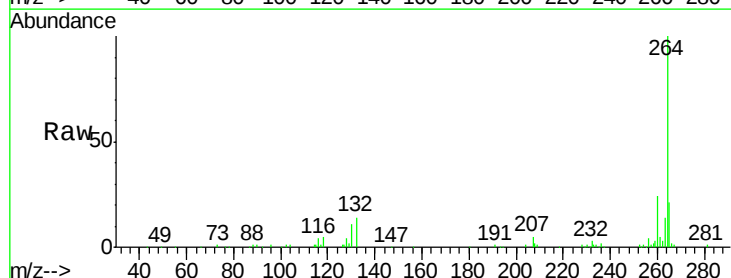
Instrument :
 BNA_F
 ClientSampleId :
 MM1A

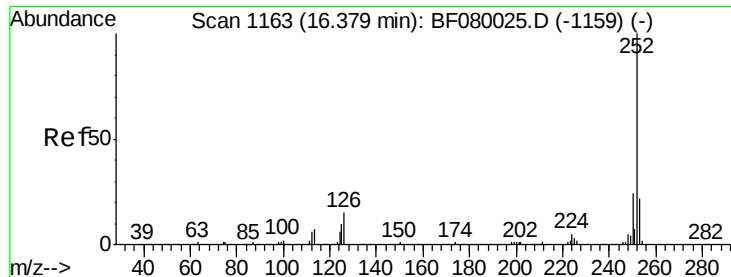
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.7	38.5#
277	22.8	15.6	23.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.70 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF080181.D
 Acq: 25 Jun 2015 23:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	16.7	25.1
265	20.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.28 ng

RT: 16.16 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

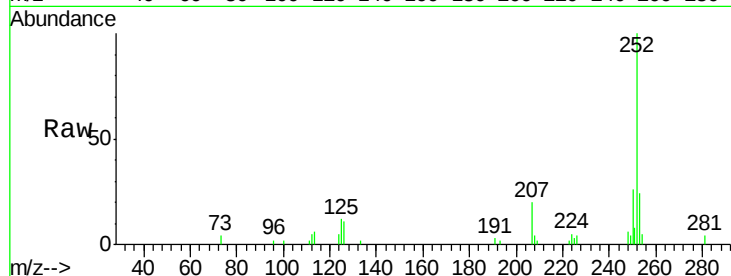
Instrument :

BNA_F

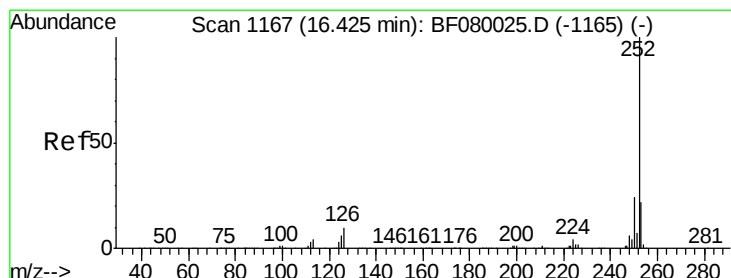
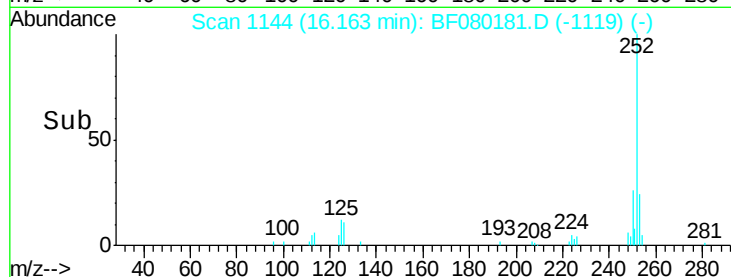
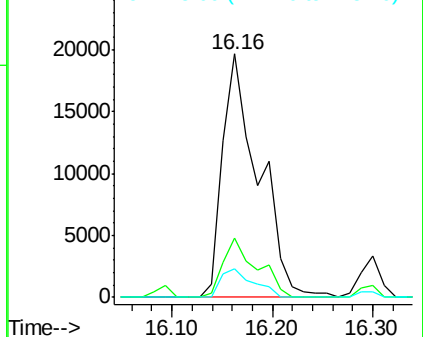
ClientSampled :

MM1A

Tgt Ion:	252	Resp:	49085
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.9	17.1	25.7#



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



#88

Benzo(k)fluoranthene

Concen: 6.16 ng

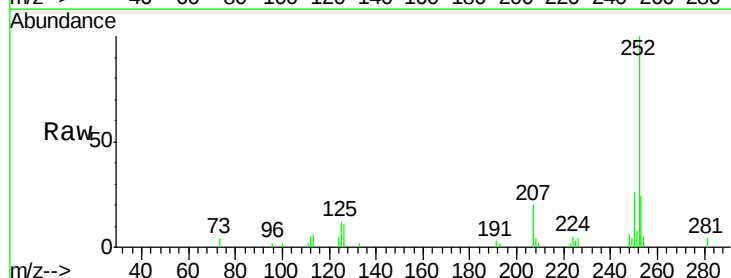
RT: 16.16 min Scan# 1144

Delta R.T. -0.05 min

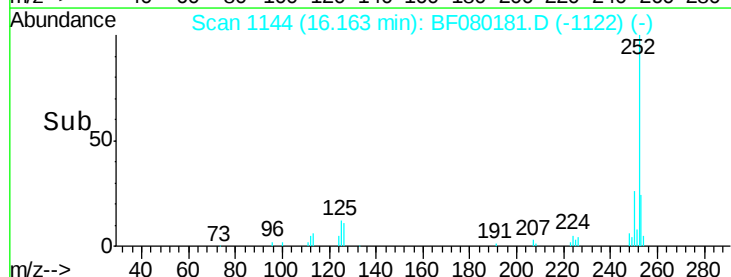
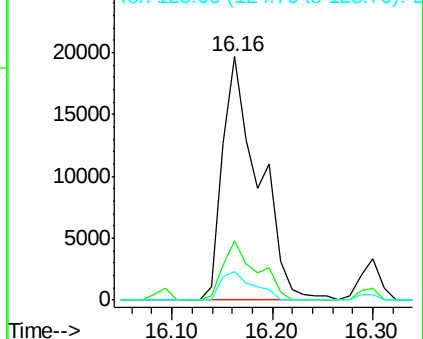
Lab File: BF080181.D

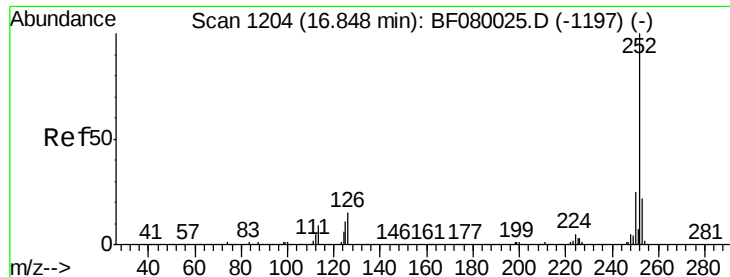
Acq: 25 Jun 2015 23:57

Tgt Ion:	252	Resp:	49085
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	11.9	16.0	24.0#



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





#89

Benzo(a)pyrene

Concen: 3.96 ng

RT: 16.62 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

Instrument :

BNA_F

ClientSampleId :

MM1A

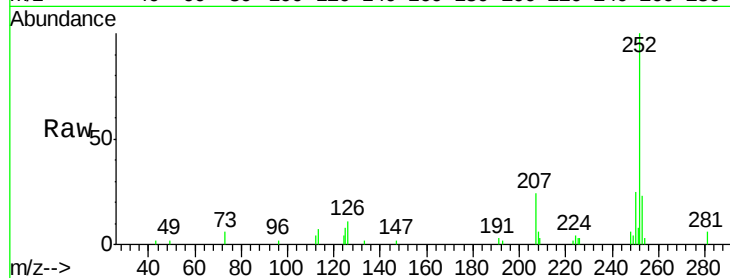
Tgt Ion:252 Resp: 29406

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

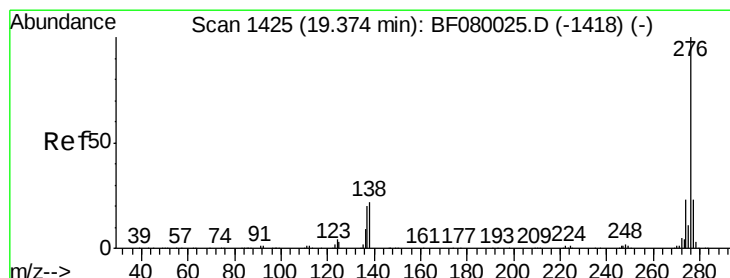
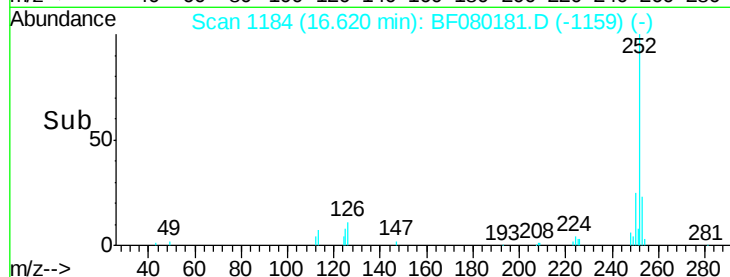
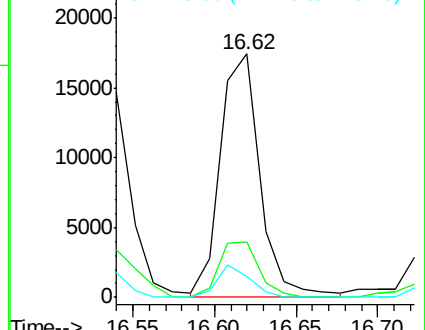
125 8.4 18.0 27.0#



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: 2.65 ng

RT: 19.07 min Scan# 1398

Delta R.T. -0.05 min

Lab File: BF080181.D

Acq: 25 Jun 2015 23:57

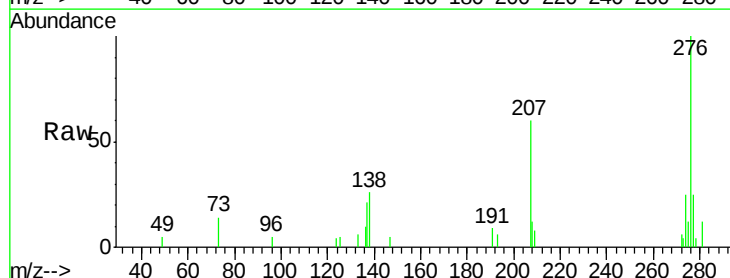
Tgt Ion:276 Resp: 20355

Ion Ratio Lower Upper

276 100

277 25.1 17.8 26.6

138 26.0 34.6 51.8#



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

