

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079634.D
 Acq On : 31 May 2015 15:46
 Operator : TP/IZ
 Sample : G2416-30
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IA14.2(2)

Quant Time: Jun 01 04:17:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	53916	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	226293	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	111718	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	224110	20.00	ng	0.00
75) Chrysene-d12	15.75	240	231007	20.00	ng	0.00
86) Perylene-d12	17.46	264	240758	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	509211	163.81	ng	0.00
7) Phenol-d6	6.50	99	670312	169.18	ng	0.00
23) Nitrobenzene-d5	7.61	82	396909	101.39	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	202199	164.78	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	654522	83.58	ng	0.00
78) Terphenyl-d14	14.47	244	716165	72.76	ng	0.00

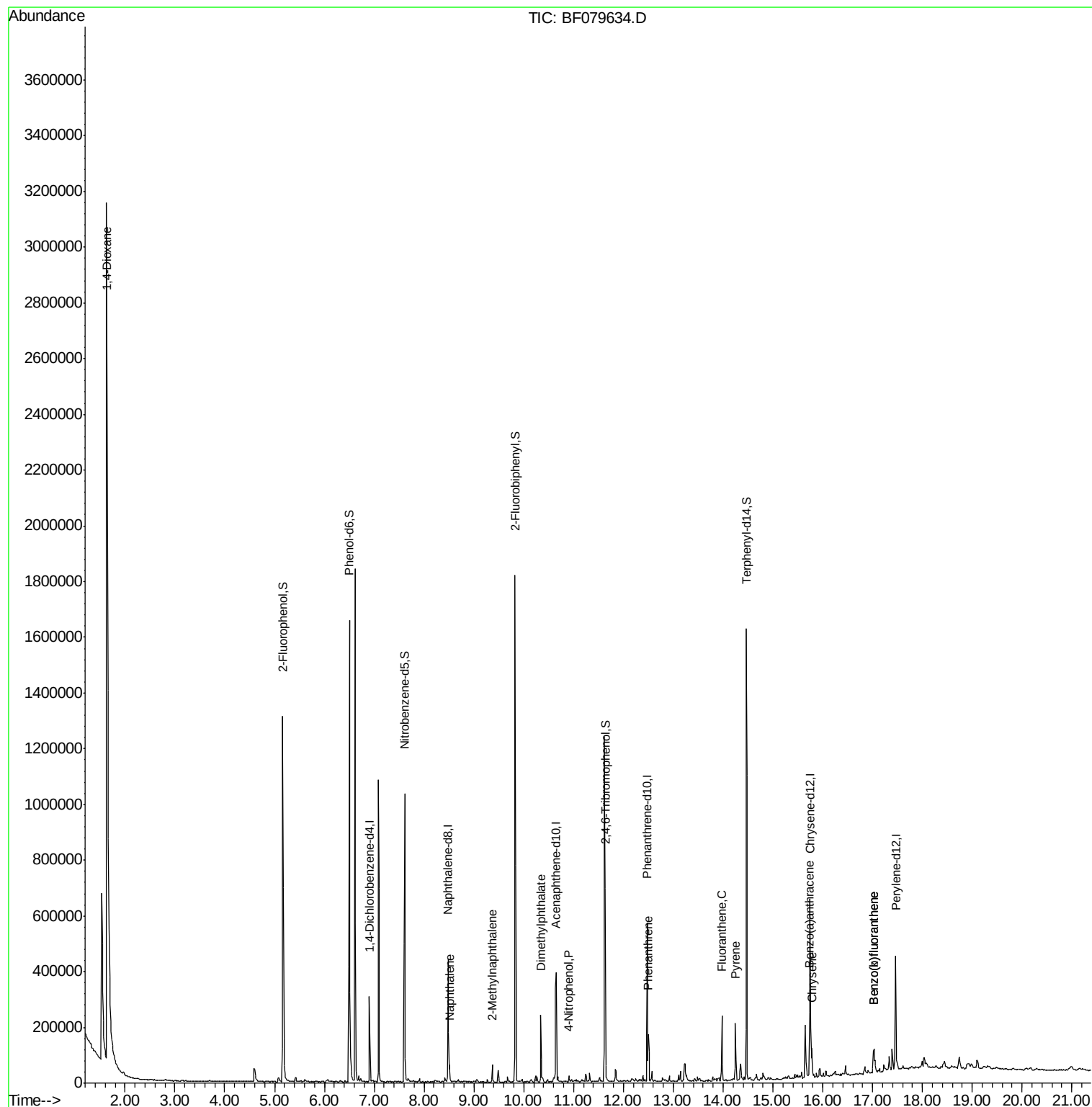
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	161505	109.22	ng	# 100
9) Benzaldehyde	6.31	77	237	Below Cal		# 1
31) Naphthalene	8.51	128	30197	2.78	ng	99
37) 2-Methylnaphthalene	9.37	142	17533	2.33	ng	94
49) Dimethylphthalate	10.34	163	109175	13.26	ng	100
55) 4-Nitrophenol	10.90	139	3389	2.86	ng	# 12
70) Phenanthrene	12.50	178	83792	6.82	ng	99
73) Di-n-butylphthalate	13.25	149	1971	Below Cal		# 83
74) Fluoranthene	13.98	202	101407	7.69	ng	97
77) Pyrene	14.25	202	88033	6.15	ng	97
80) Benzo(a)anthracene	15.74	228	50679	3.81	ng	99
82) Chrysene	15.78	228	40729	3.22	ng	97
87) Benzo(b)fluoranthene	17.03	252	75028	5.46	ng	97
88) Benzo(k)fluoranthene	17.03	252	75028	6.11	ng	# 95
90) Dibenzo(a,h)anthracene	18.75	278	7585	Below Cal		# 90
91) Benzo(g,h,i)perylene	19.11	276	27636	Below Cal		# 93

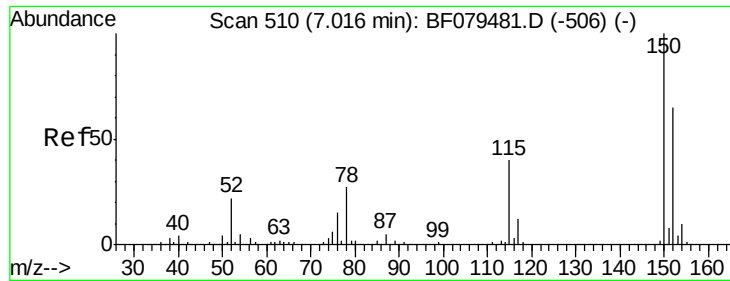
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

Instrument :

BNA_F

ClientSampled :

IA14.2(2)

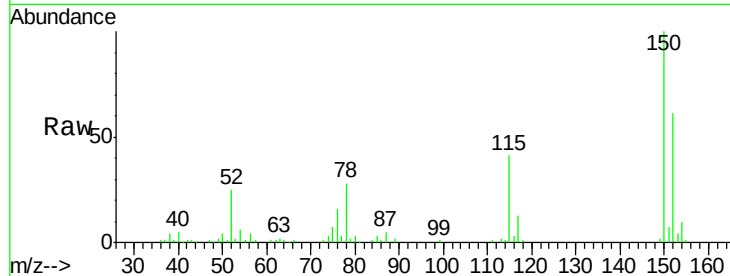
Tgt Ion:152 Resp: 53916

Ion Ratio Lower Upper

152 100

150 163.8 124.0 186.0

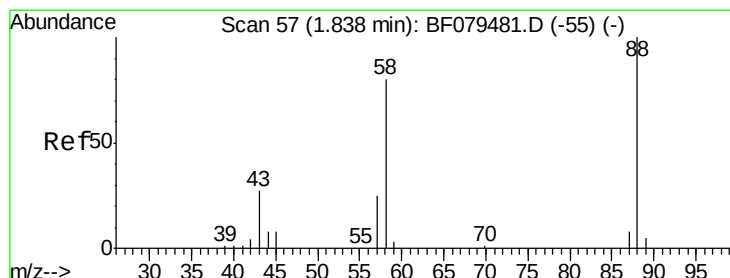
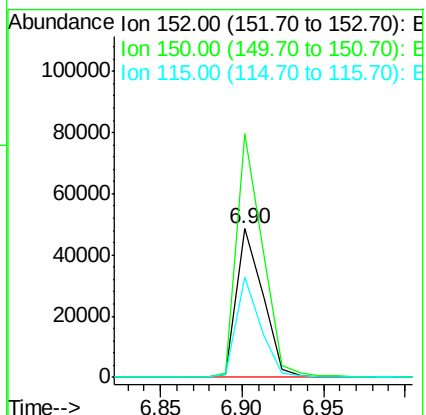
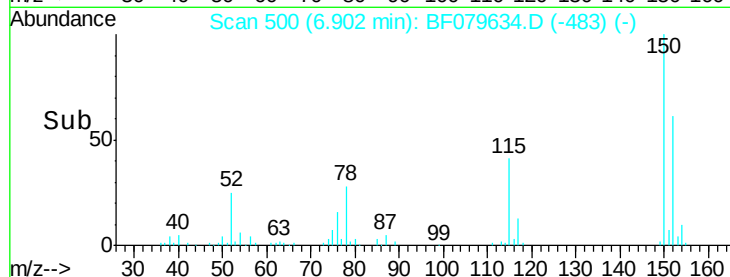
115 67.1 49.6 74.4



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



#2

1,4-Dioxane

Concen: 109.22 ng

RT: 1.63 min Scan# 39

Delta R.T. -0.06 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

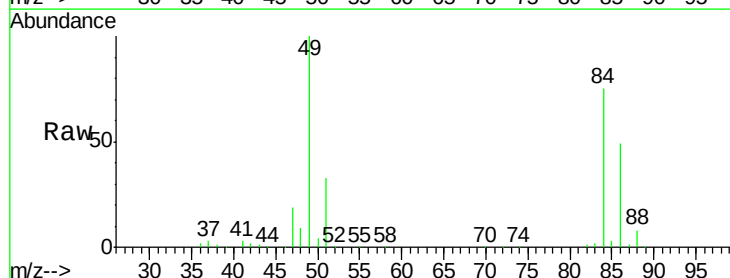
Tgt Ion: 88 Resp: 161505

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

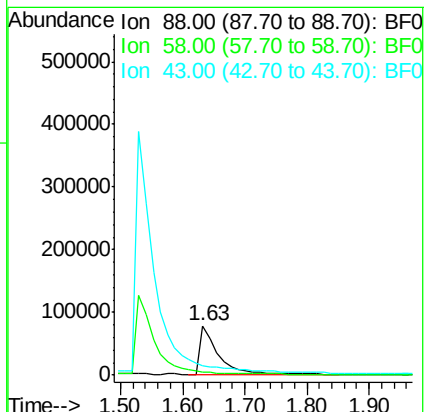
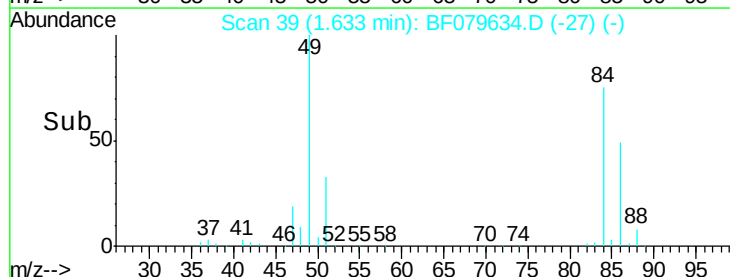
43 0.0 0.0 0.0

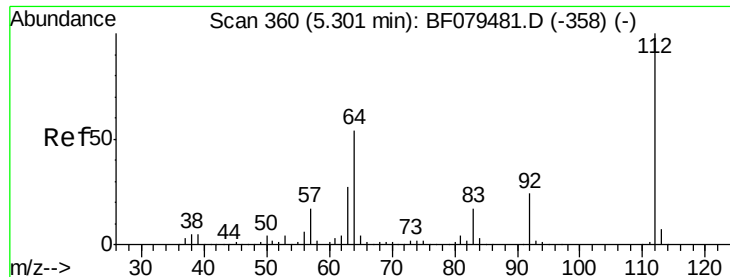


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 163.81 ng

RT: 5.16 min Scan# 348

Delta R.T. -0.00 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

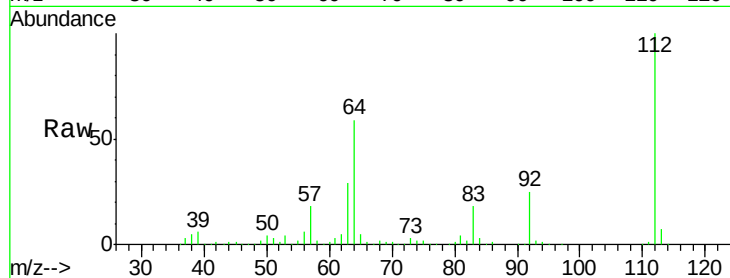
Instrument :

BNA_F

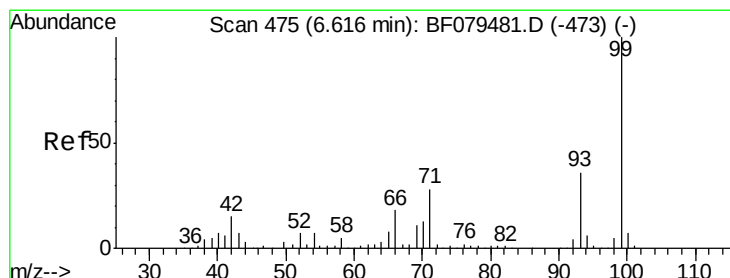
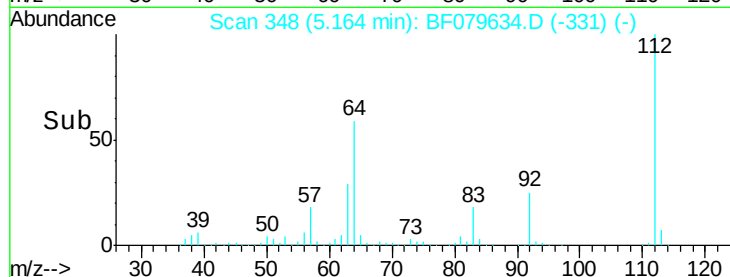
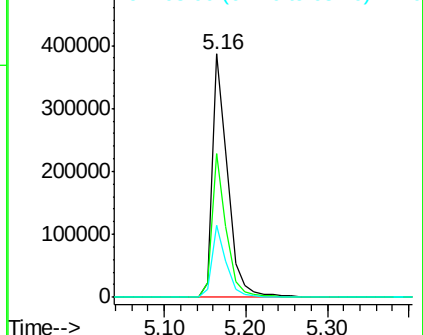
ClientSampleId :

IA14.2(2)

Tgt Ion:	112	Resp:	509211
Ion	Ratio	Lower	Upper
112	100		
64	59.2	43.5	65.3
63	29.4	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): BF079481.D (-358) (-)



#7

Phenol-d6

Concen: 169.18 ng

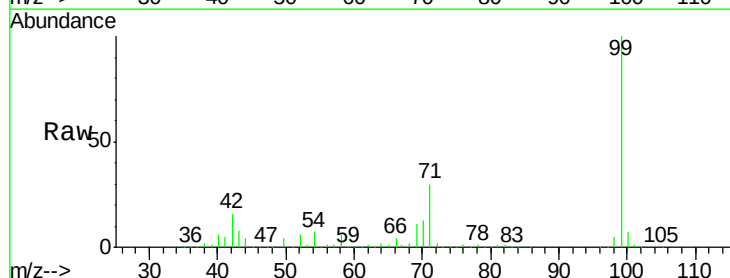
RT: 6.50 min Scan# 465

Delta R.T. -0.00 min

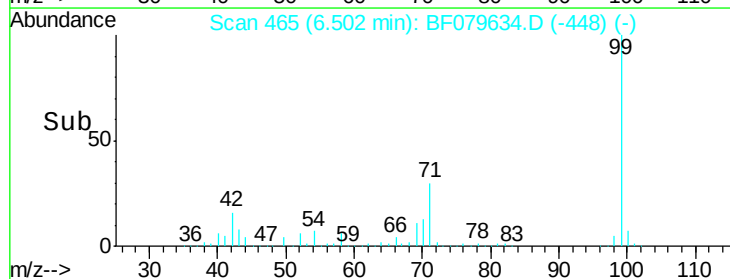
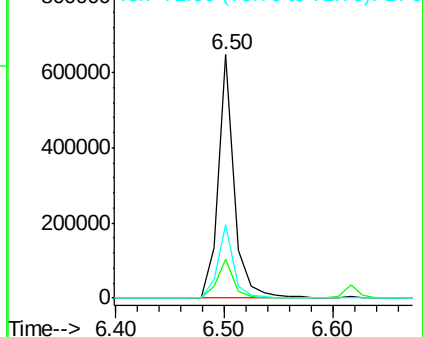
Lab File: BF079634.D

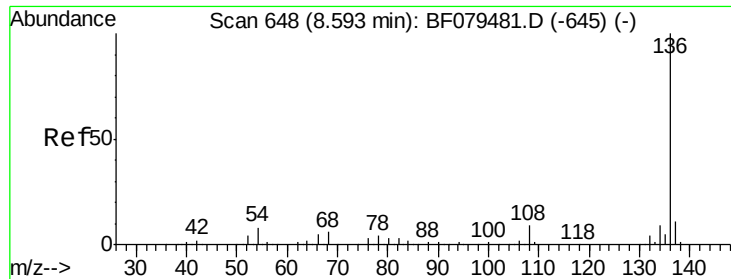
Acq: 31 May 2015 15:46

Tgt Ion:	99	Resp:	670312
Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.9	17.9
71	29.9	22.1	33.1



Abundance Ion 99.00 (98.70 to 99.70): BF079481.D (-473) (-)

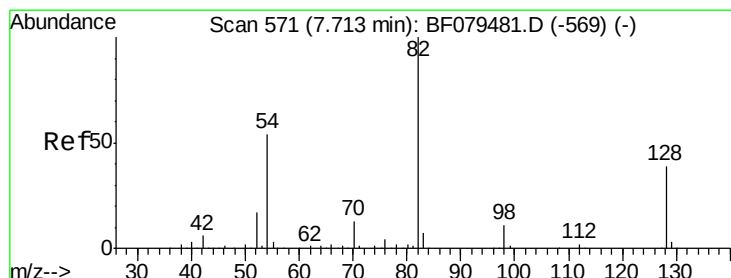
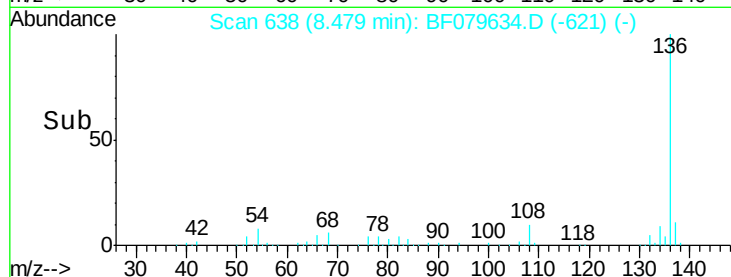
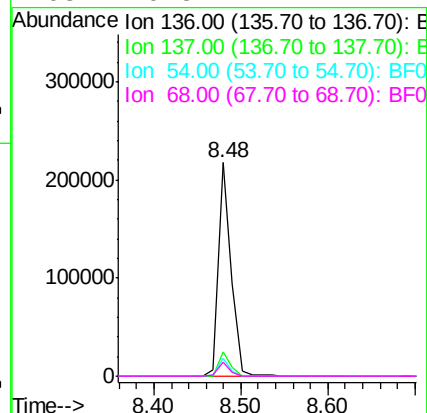
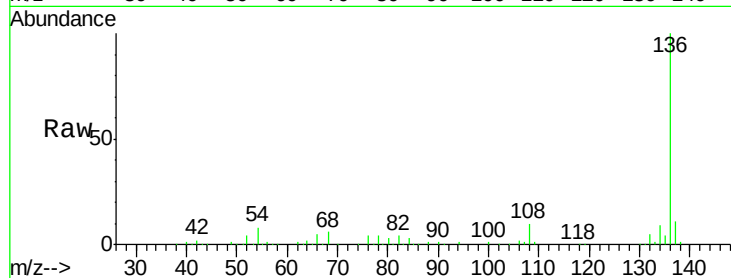




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. -0.00 min
Lab File: BF079634.D
Acq: 31 May 2015 15:46

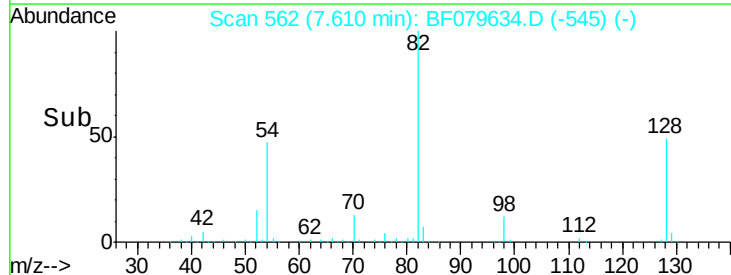
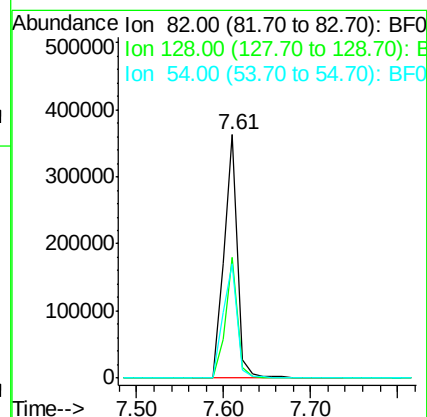
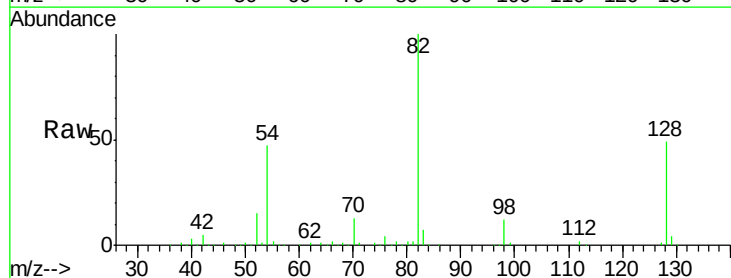
Instrument :
BNA_F
ClientSampleId :
IA14.2(2)

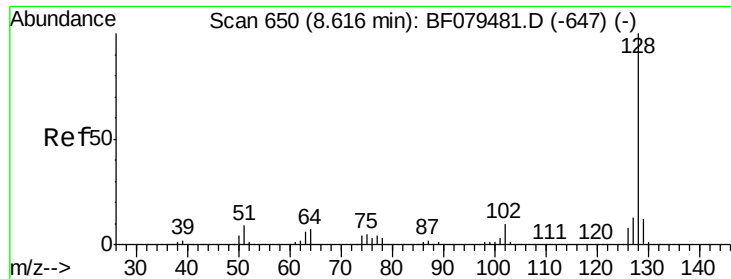
Tgt Ion:	136	Resp:	226293
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	8.3	6.6	9.8
68	6.3	4.7	7.1



#23
Nitrobenzene-d5
Concen: 101.39 ng
RT: 7.61 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF079634.D
Acq: 31 May 2015 15:46

Tgt Ion:	82	Resp:	396909
Ion	Ratio	Lower	Upper
82	100		
128	49.5	30.8	46.2#
54	46.9	42.8	64.2

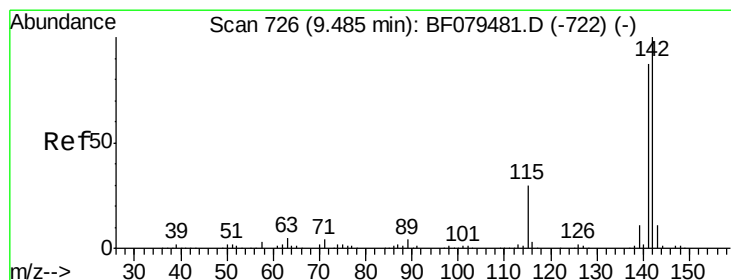
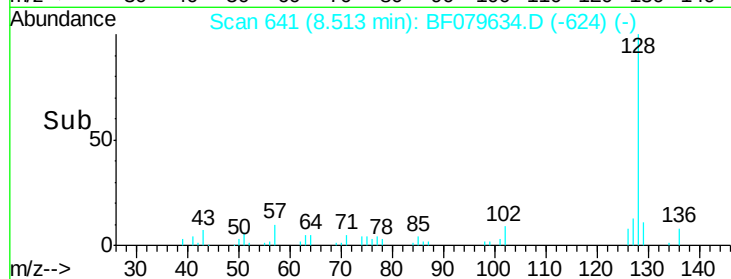
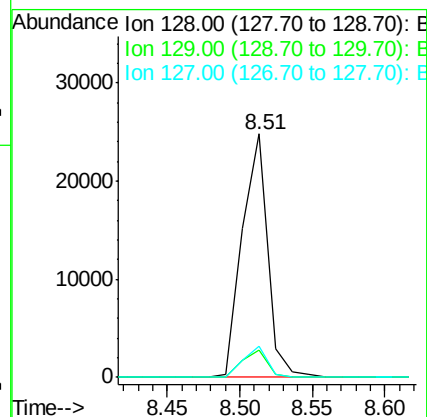
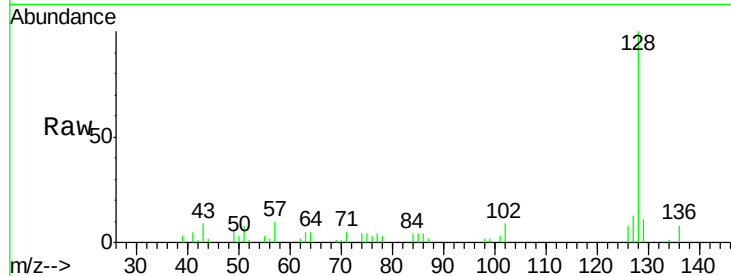




#31
Naphthalene
Concen: 2.78 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF079634.D
Acq: 31 May 2015 15:46

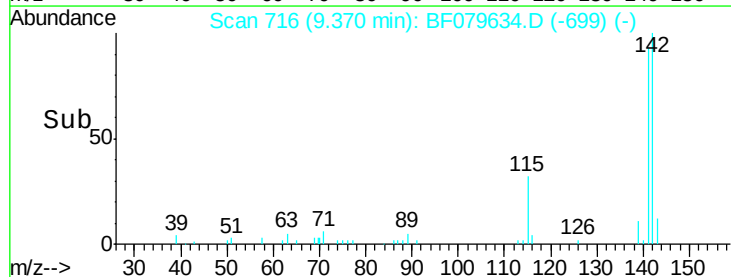
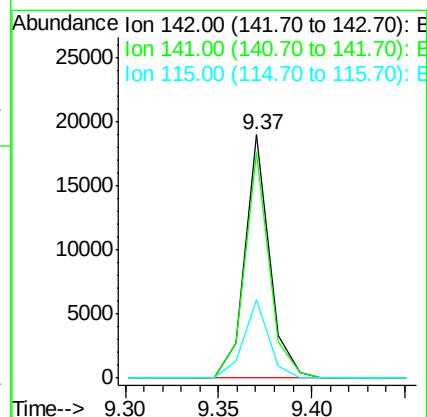
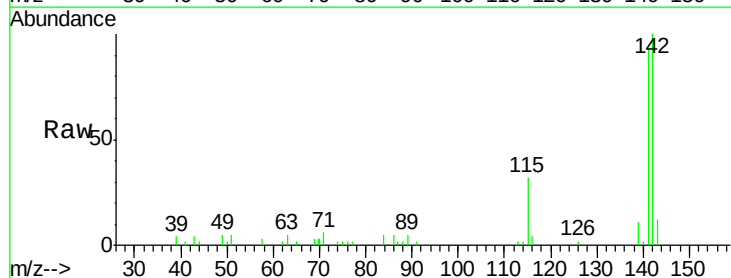
Instrument :
BNA_F
ClientSampleId :
IA14.2(2)

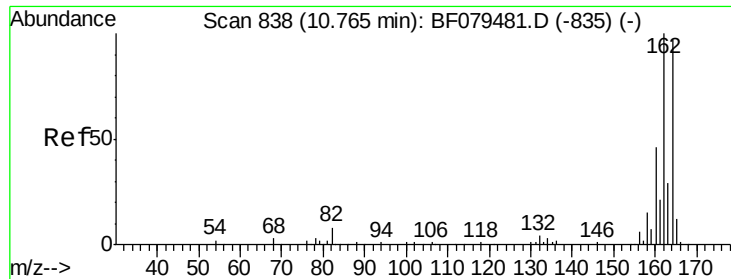
Tgt Ion:128 Resp: 30197
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 12.6 10.6 15.8



#37
2-Methylnaphthalene
Concen: 2.33 ng
RT: 9.37 min Scan# 716
Delta R.T. -0.00 min
Lab File: BF079634.D
Acq: 31 May 2015 15:46

Tgt Ion:142 Resp: 17533
Ion Ratio Lower Upper
142 100
141 92.6 69.5 104.3
115 32.2 23.8 35.6

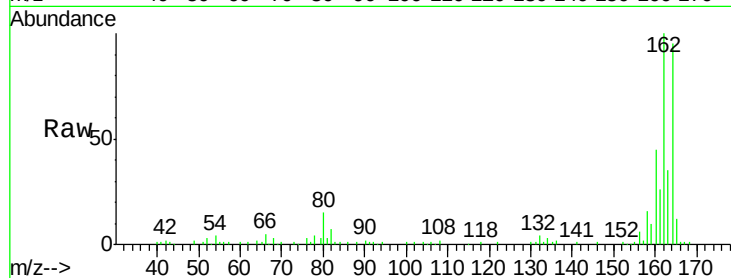




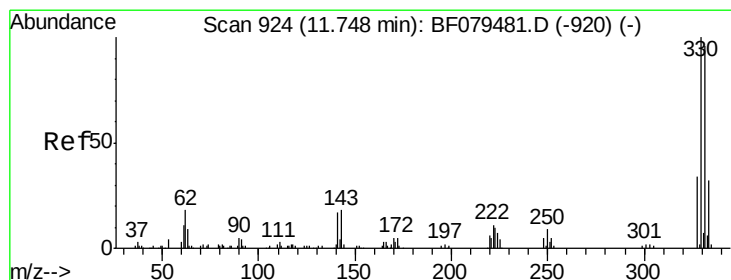
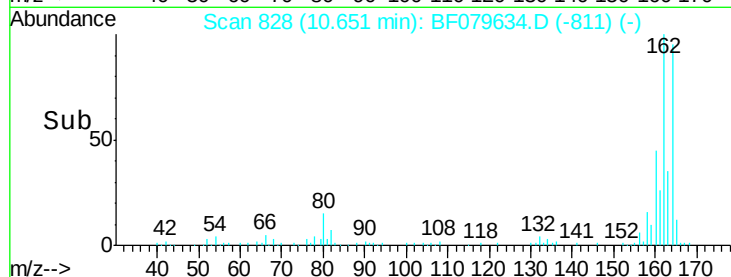
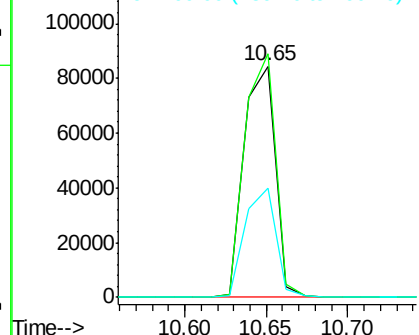
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Instrument :
 BNA_F
 ClientSampleId :
 IA14.2(2)

Tgt Ion:164 Resp: 111718
 Ion Ratio Lower Upper
 164 100
 162 105.3 82.6 124.0
 160 47.0 37.7 56.5

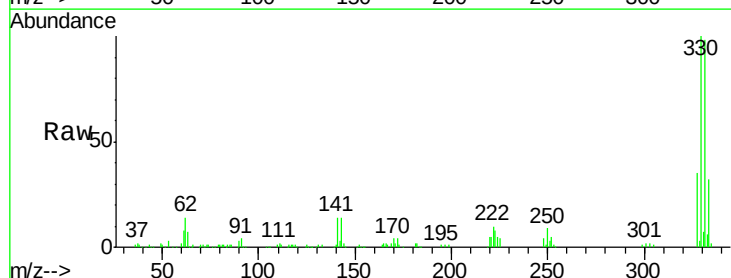


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

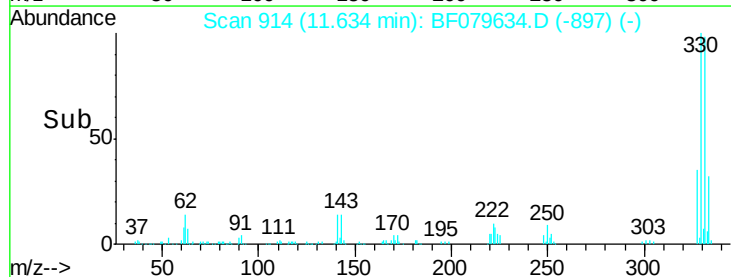
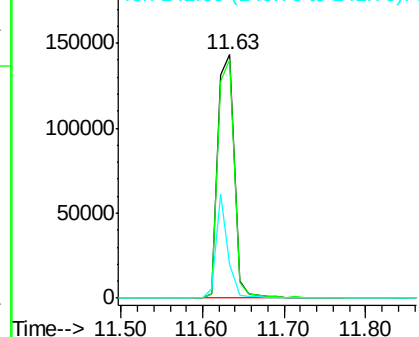


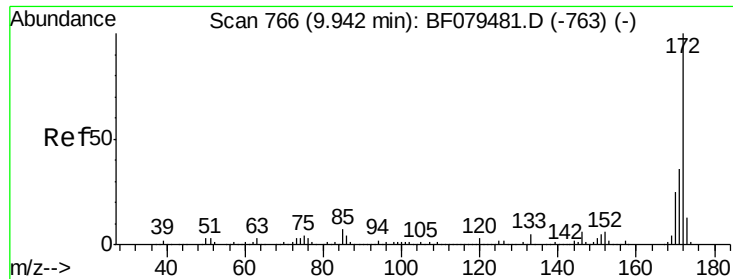
#41
 2,4,6-Tribromophenol
 Concen: 164.78 ng
 RT: 11.63 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Tgt Ion:330 Resp: 202199
 Ion Ratio Lower Upper
 330 100
 332 97.6 0.0 0.0#
 141 31.1 0.0 0.0#



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

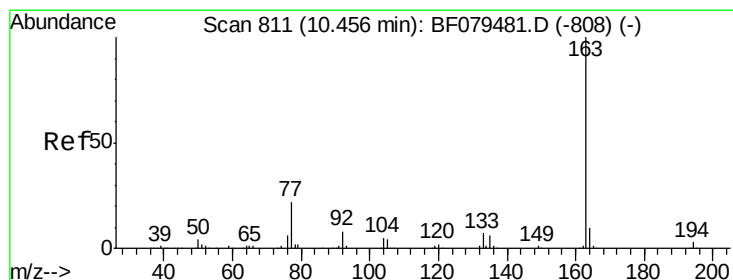
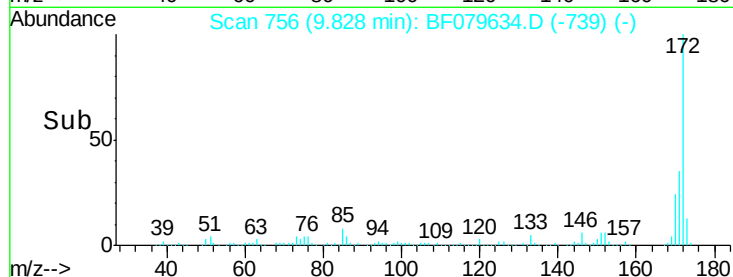
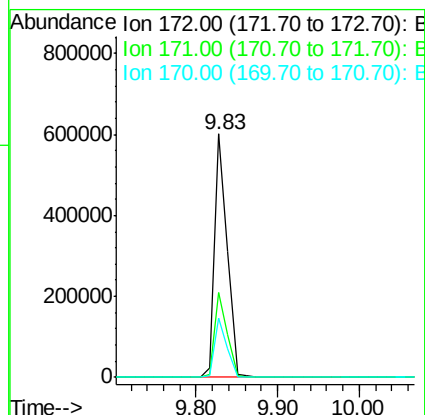
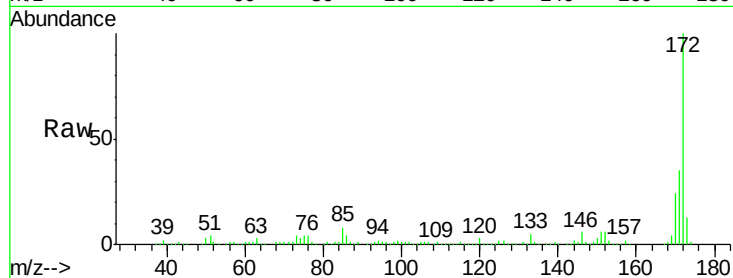




#44
 2-Fluorobiphenyl
 Concen: 83.58 ng
 RT: 9.83 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

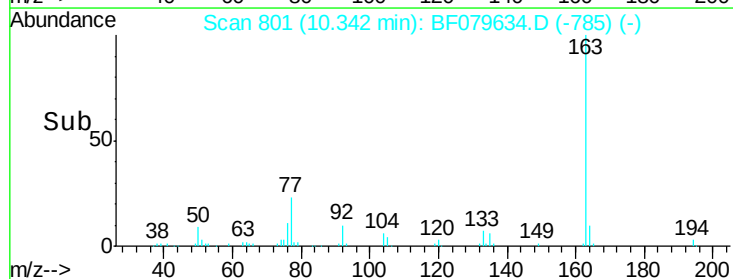
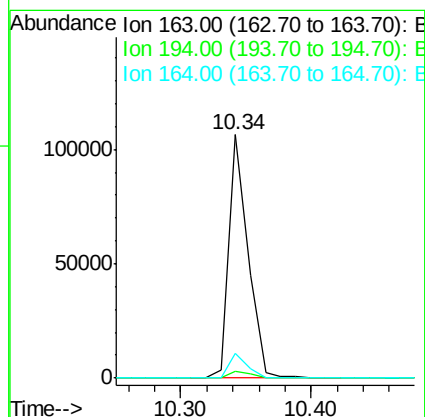
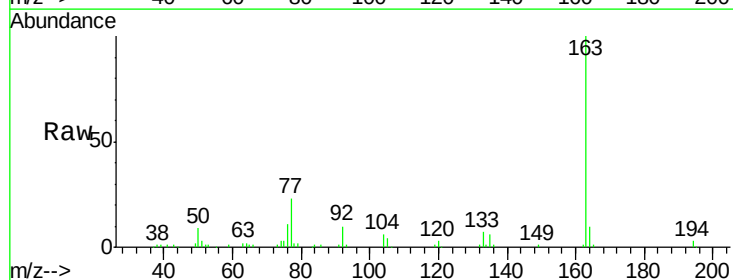
Instrument :
 BNA_F
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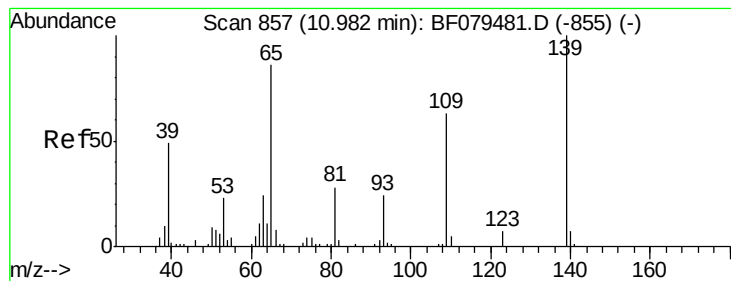
Tgt Ion:172 Resp: 654522
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 24.2 19.7 29.5



#49
 Dimethylphthalate
 Concen: 13.26 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Tgt Ion:163 Resp: 109175
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.4 3.6
 164 10.3 8.2 12.4





#55

4-Nitrophenol

Concen: 2.86 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.03 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

Instrument :

BNA_F

ClientSampleId :

IA14.2(2)

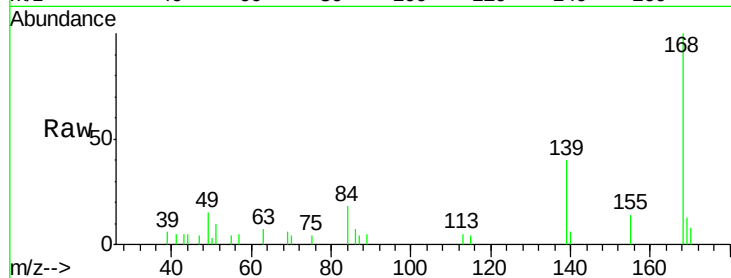
Tgt Ion:139 Resp: 3389

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

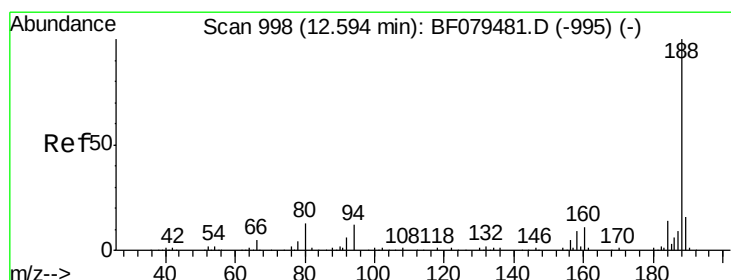
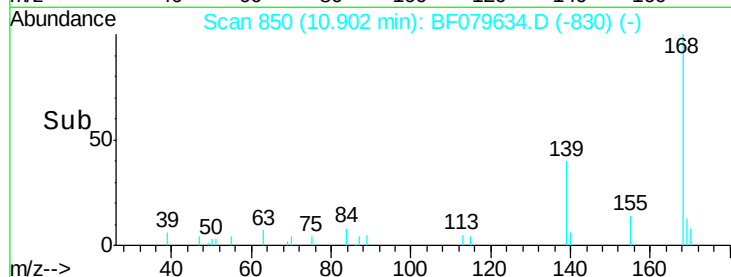
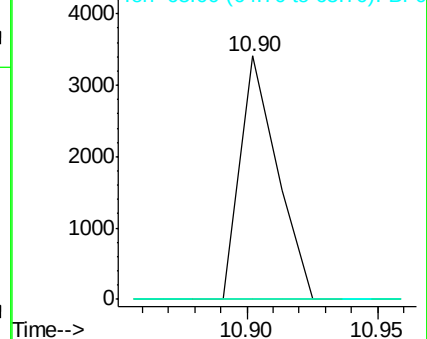
65 0.0 66.3 106.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.48 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

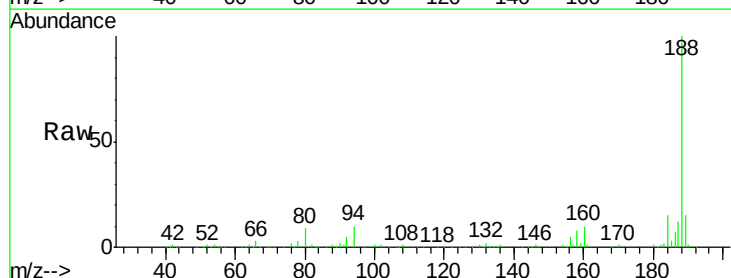
Tgt Ion:188 Resp: 224110

Ion Ratio Lower Upper

188 100

94 9.6 9.8 14.6#

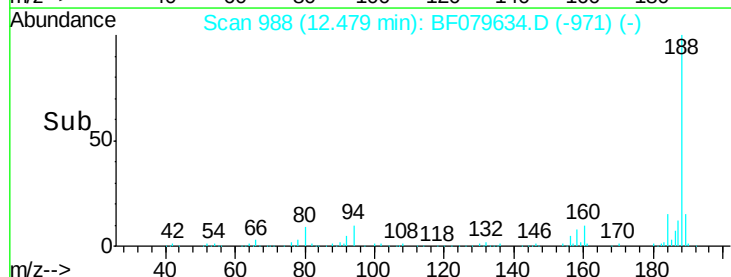
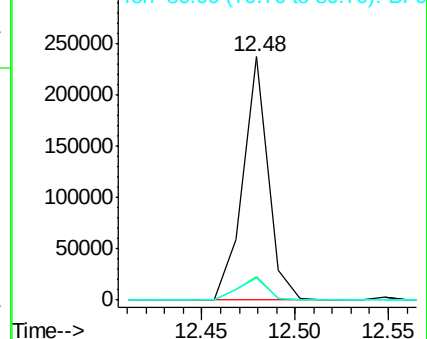
80 9.1 10.5 15.7#

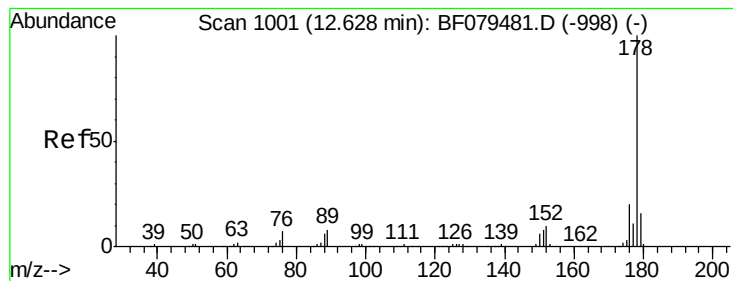


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.82 ng

RT: 12.50 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

Instrument :

BNA_F

ClientSampleId :

IA14.2(2)

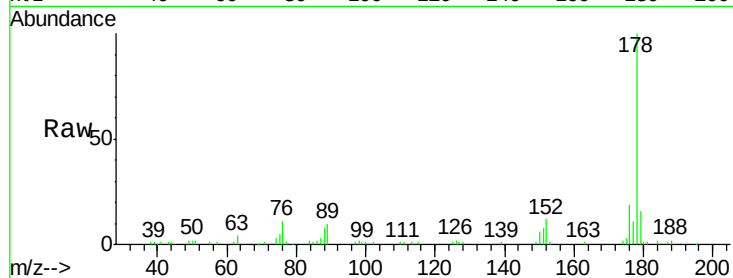
Tgt Ion:178 Resp: 83792

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

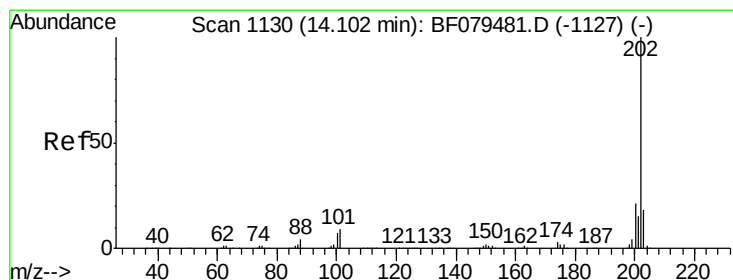
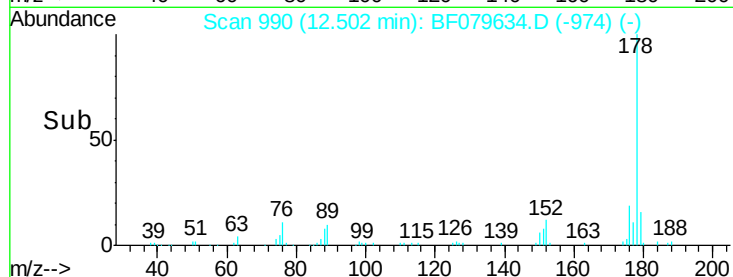
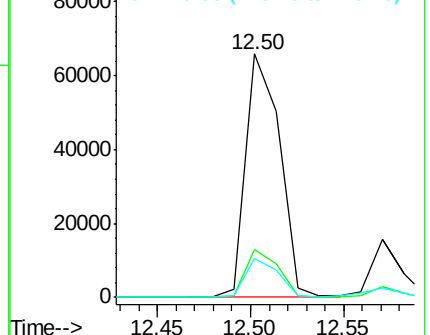
179 15.9 12.4 18.6



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: 7.69 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF079634.D

Acq: 31 May 2015 15:46

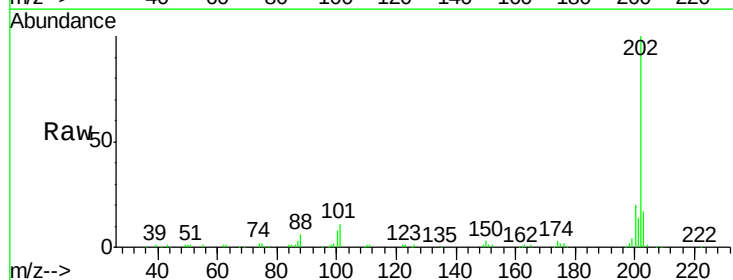
Tgt Ion:202 Resp: 101407

Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.3

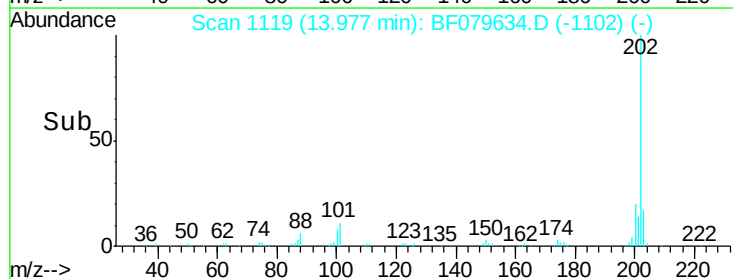
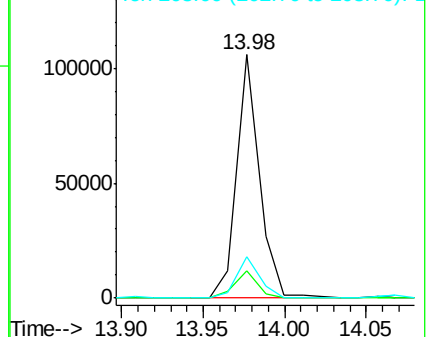
203 16.9 0.0 37.6

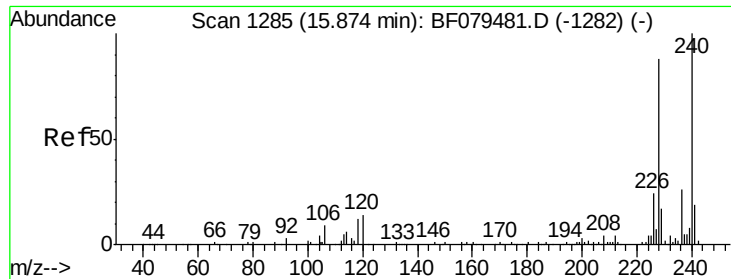


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

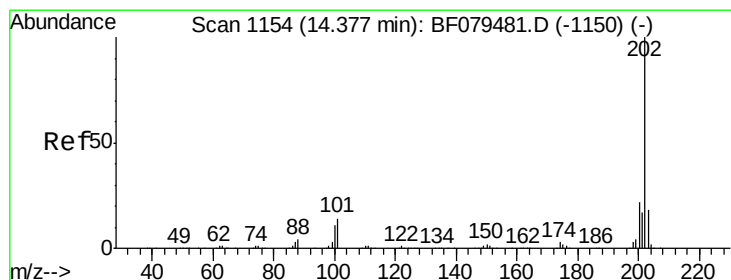
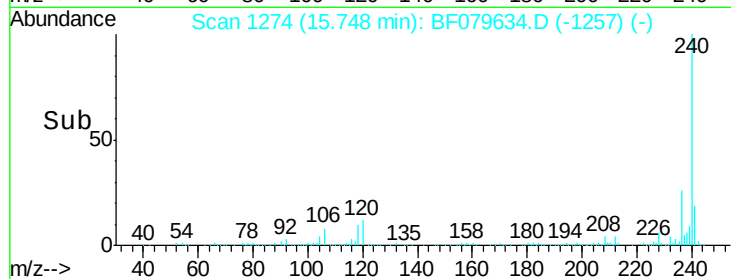
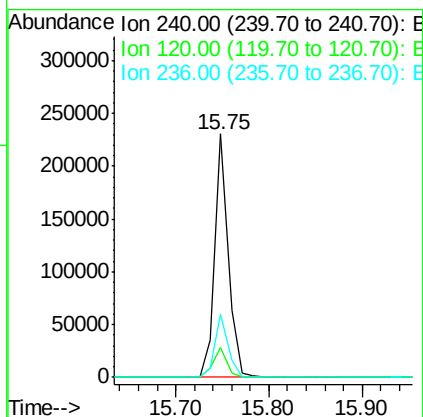
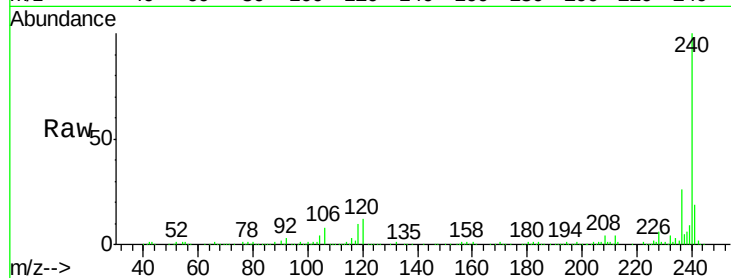




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.75 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

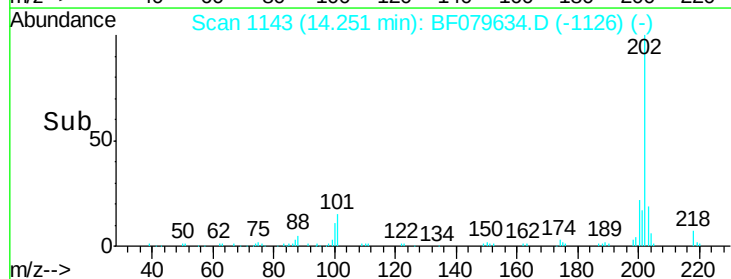
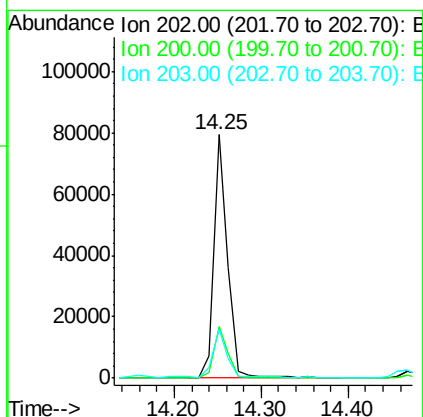
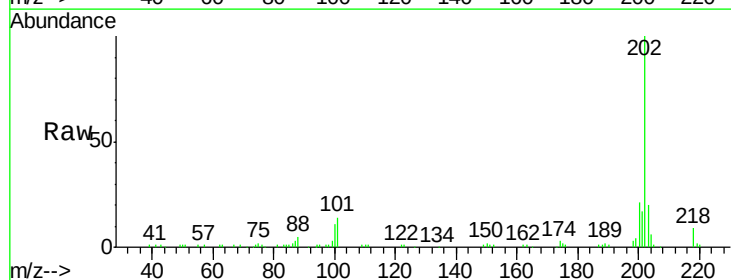
Instrument :
 BNA_F
 ClientSampleId :
 IA14.2(2)

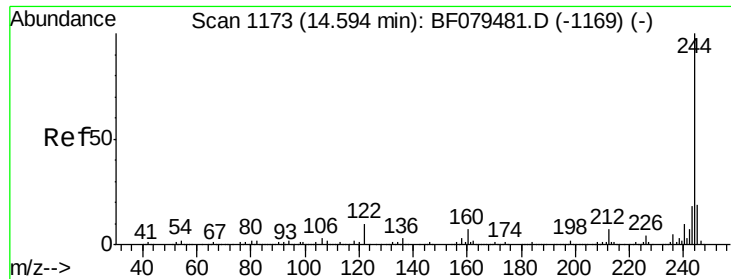
Tgt Ion:240 Resp: 231007
 Ion Ratio Lower Upper
 240 100
 120 12.3 10.8 16.2
 236 25.9 21.0 31.6



#77
 Pyrene
 Concen: 6.15 ng
 RT: 14.25 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Tgt Ion:202 Resp: 88033
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.5 26.3
 203 20.2 14.4 21.6

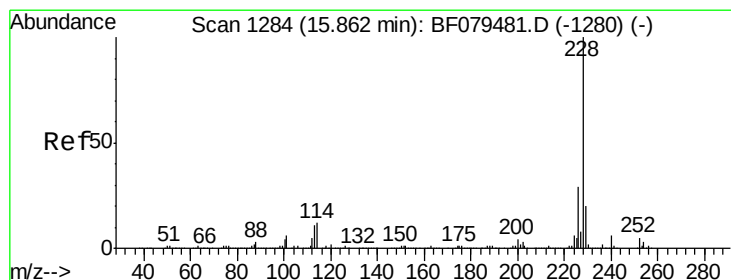
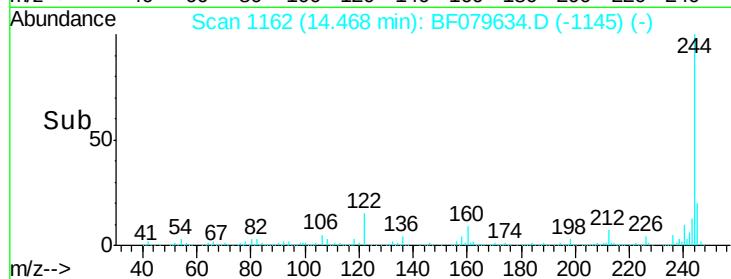
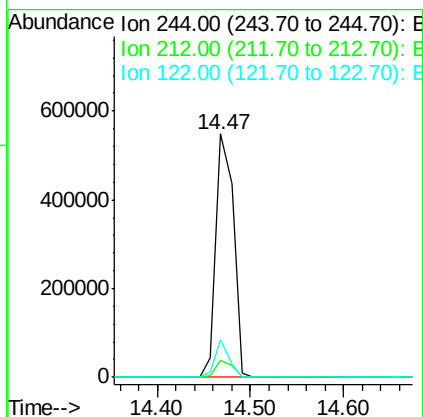
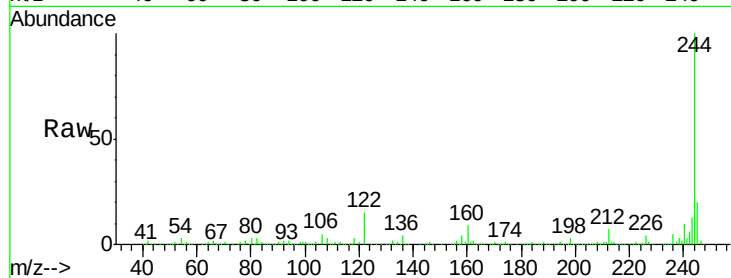




#78
 Terphenyl-d14
 Concen: 72.76 ng
 RT: 14.47 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Instrument :
 BNA_F
 ClientSampleId :
 IA14.2(2)

Tgt Ion:244 Resp: 716165
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.2 7.8
 122 15.3 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 3.81 ng
 RT: 15.74 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: BF079634.D
 Acq: 31 May 2015 15:46

Tgt Ion:228 Resp: 50679
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.8 34.2
 229 20.5 15.9 23.9

