

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078707.D
 Acq On : 22 Apr 2015 5:36
 Operator : TP/IZ
 Sample : G1880-03DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Quant Time: Apr 22 06:40:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 05:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	33778	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	142365	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	73026	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	145383	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	158807	20.00	ng	0.00
86) Perylene-d12	19.47	264	162711	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	3.85	112	5404	2.64	ng	0.01
7) Phenol-d6	5.34	99	6977	2.72	ng	0.01
23) Nitrobenzene-d5	6.76	82	4015	1.71	ng	0.00
41) 2,4,6-Tribromophenol	12.64	330	1298	2.14	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	11008	2.15	ng	-0.01
78) Terphenyl-d14	16.42	244	12503	1.78	ng	-0.01

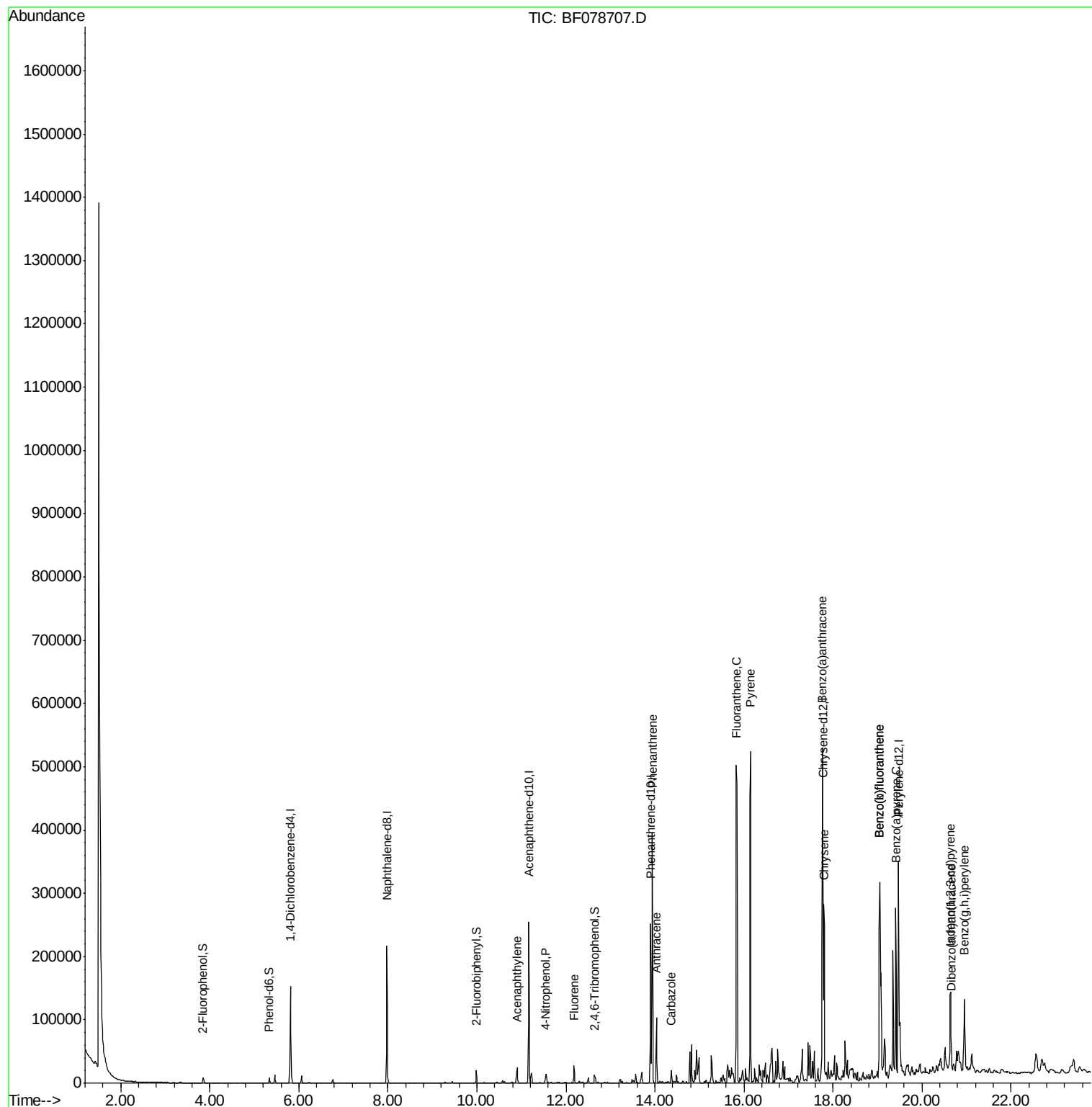
Target Compounds				Qvalue		
48) Acenaphthylene	10.90	152	21450	2.83	ng	99
55) 4-Nitrophenol	11.55	139	3908	6.76	ng	# 18
57) Fluorene	12.18	166	12920	2.44	ng	92
70) Phenanthrene	13.94	178	214921	25.56	ng	99
71) Anthracene	14.03	178	59441	7.17	ng	100
72) Carbazole	14.37	167	16142	2.08	ng	97
74) Fluoranthene	15.84	202	333668	37.62	ng	90
77) Pyrene	16.15	202	290013	29.09	ng	97
80) Benzo(a)anthracene	17.76	228	185545	19.64	ng	98
82) Chrysene	17.81	228	128572	14.48	ng	97
85) Indeno(1,2,3-cd)pyrene	20.64	276	82063	8.15	ng	# 89
87) Benzo(b)fluoranthene	19.05	252	241511	24.02	ng	# 97
88) Benzo(k)fluoranthene	19.05	252	242831	27.17	ng	# 97
89) Benzo(a)pyrene	19.41	252	128730	14.67	ng	# 94
90) Dibenzo(a,h)anthracene	20.65	278	21529	2.45	ng	# 92
91) Benzo(g,h,i)perylene	20.95	276	73373	8.33	ng	99

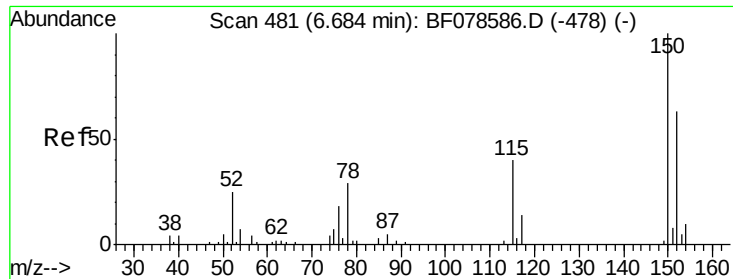
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
Data File : BF078707.D
Acq On : 22 Apr 2015 5:36
Operator : TP/IZ
Sample : G1880-03DL 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Quant Time: Apr 22 06:40:58 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 05:03:12 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.82 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

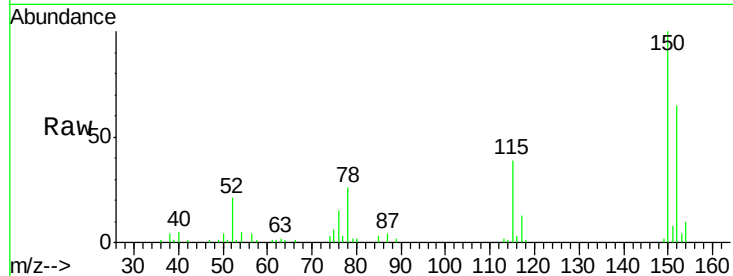
Tgt Ion:152 Resp: 33778

Ion Ratio Lower Upper

152 100

150 154.3 125.9 188.9

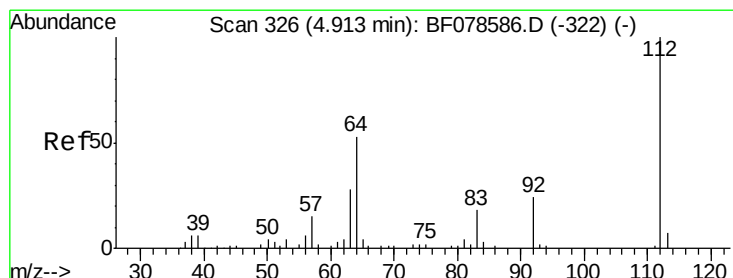
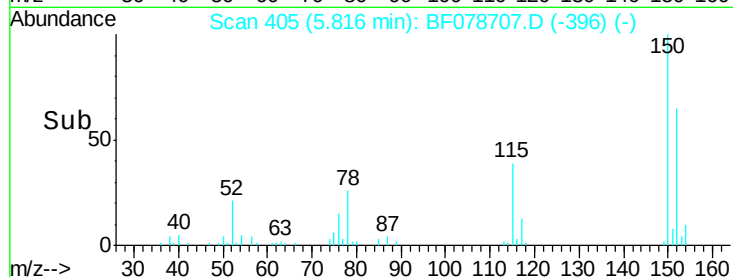
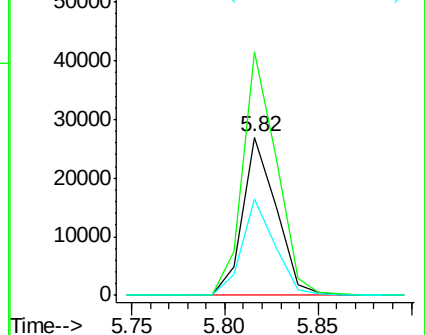
115 60.8 52.7 79.1



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: 2.64 ng

RT: 3.85 min Scan# 233

Delta R.T. 0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

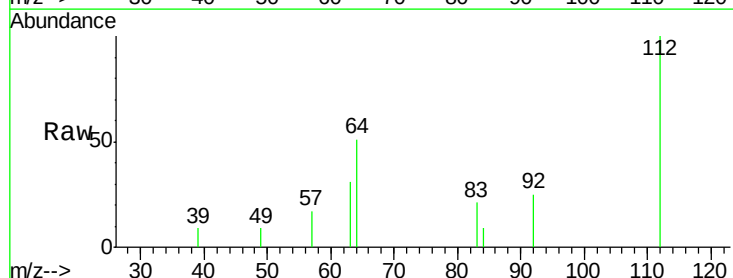
Tgt Ion:112 Resp: 5404

Ion Ratio Lower Upper

112 100

64 51.3 39.9 59.9

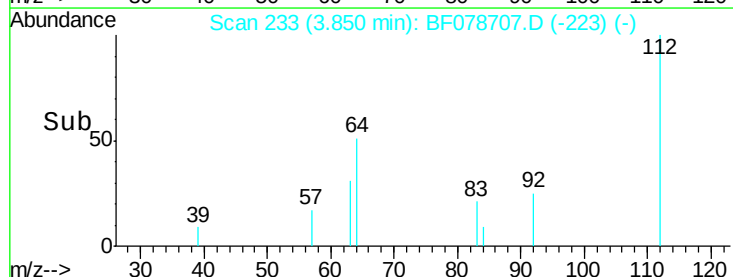
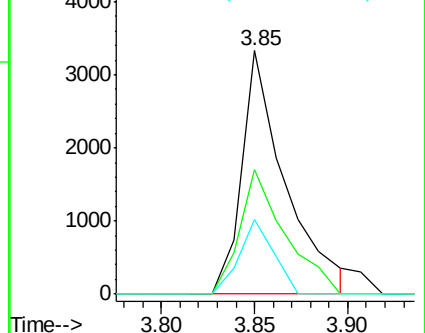
63 30.9 20.2 30.4#

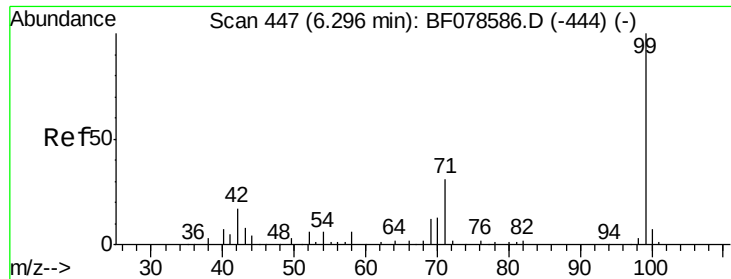


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.72 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

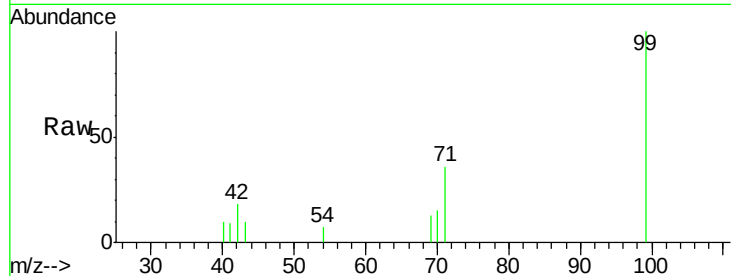
Tgt Ion: 99 Resp: 6977

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

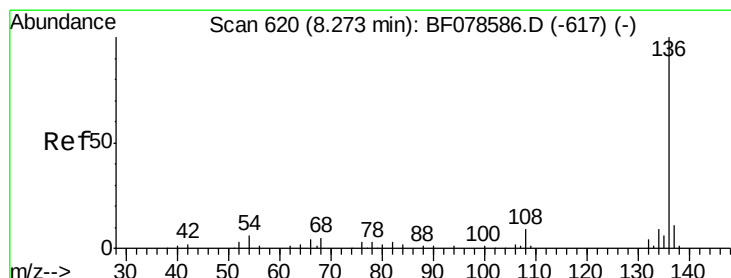
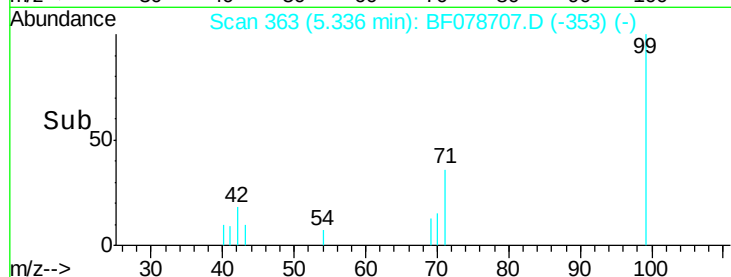
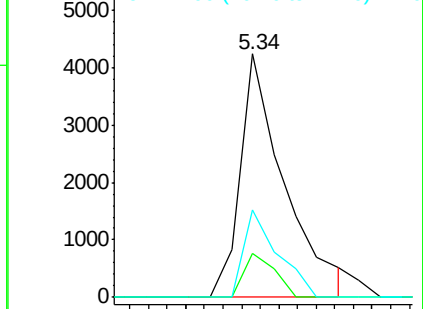
71 35.9 26.6 39.8



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: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Tgt Ion: 136 Resp: 142365

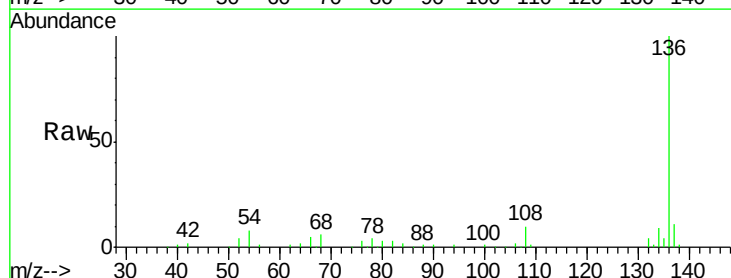
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.9 7.0 10.6

68 5.8 5.4 8.2

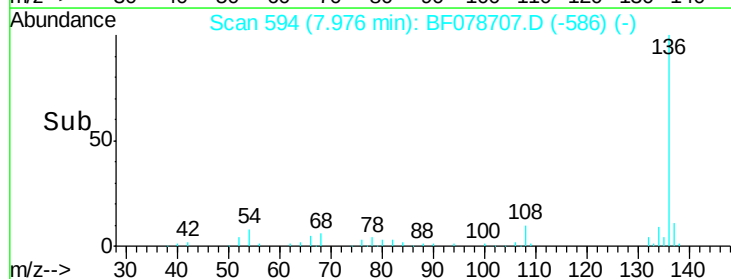
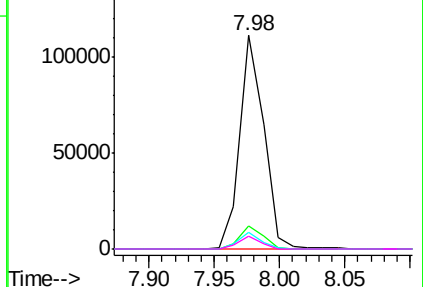


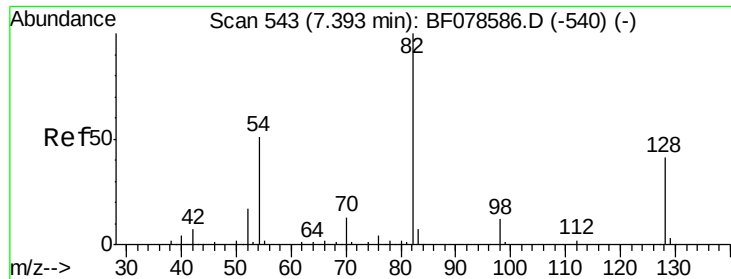
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.71 ng

RT: 6.76 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

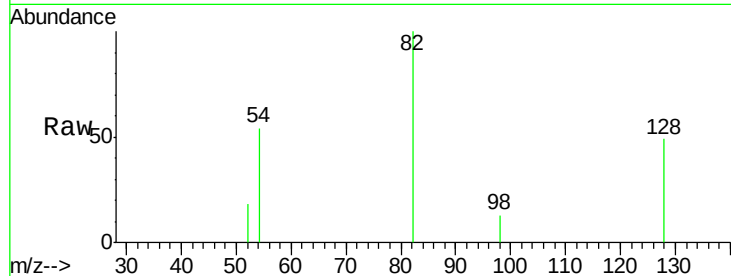
Tgt Ion: 82 Resp: 4015

Ion Ratio Lower Upper

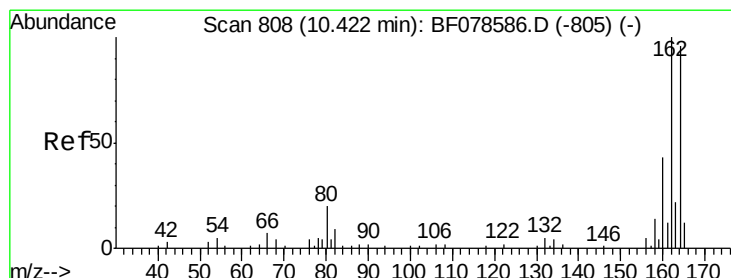
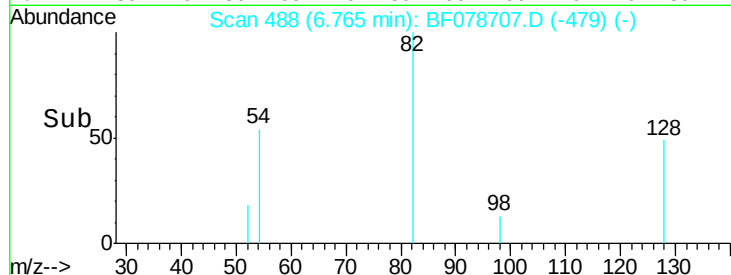
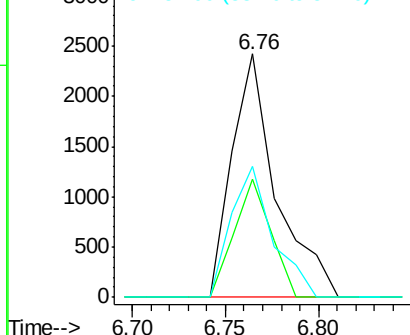
82 100

128 48.6 31.8 47.8#

54 53.6 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

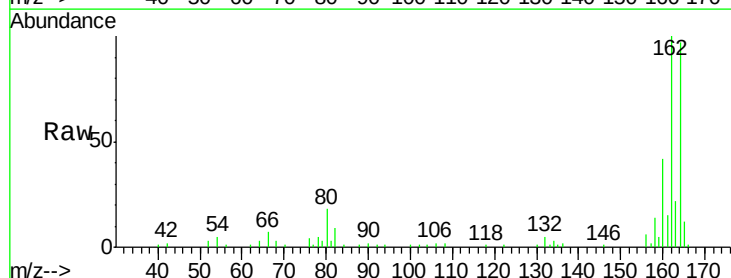
Tgt Ion: 164 Resp: 73026

Ion Ratio Lower Upper

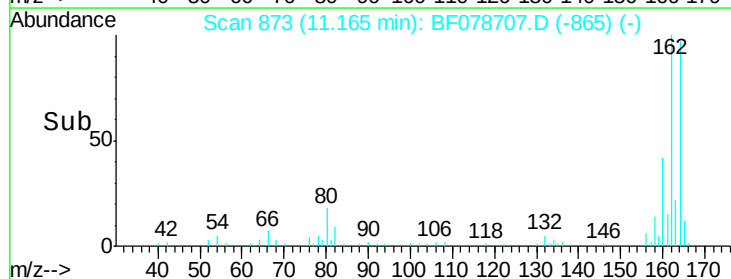
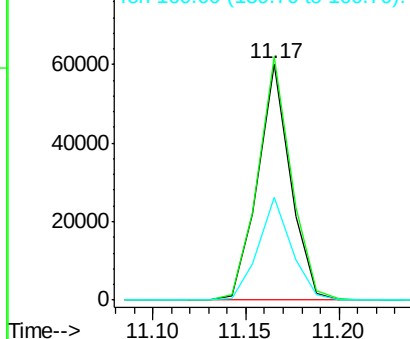
164 100

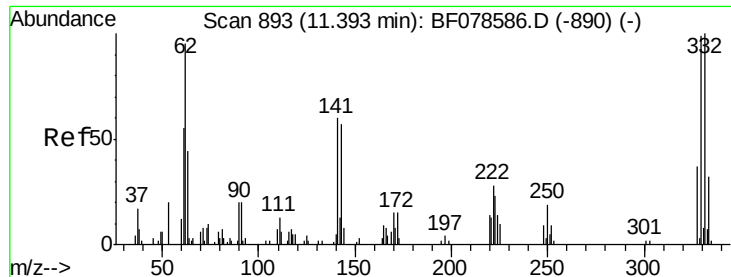
162 103.1 82.2 123.2

160 43.5 34.7 52.1



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

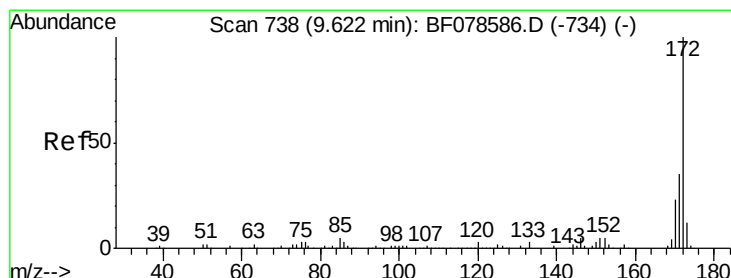
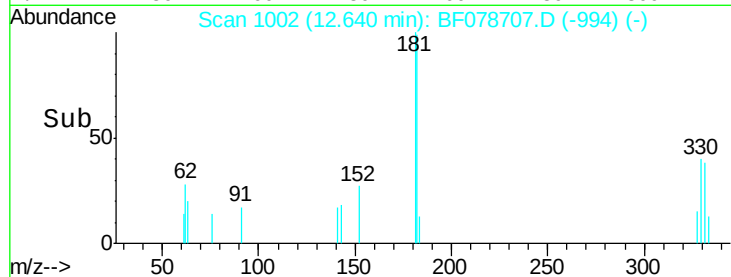
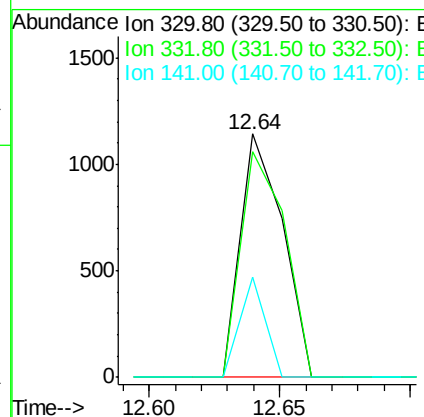
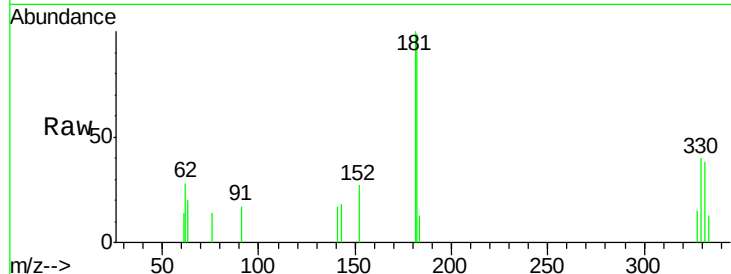




#41
 2,4,6-Tribromophenol
 Concen: 2.14 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

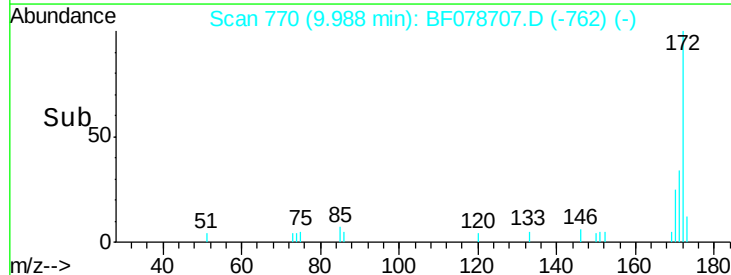
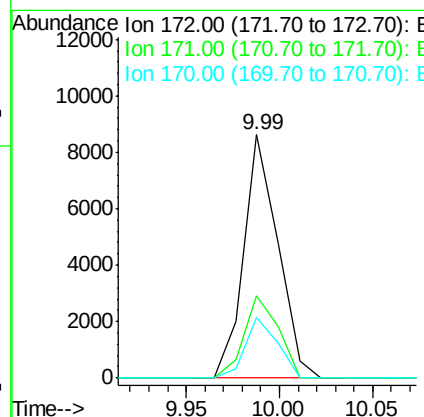
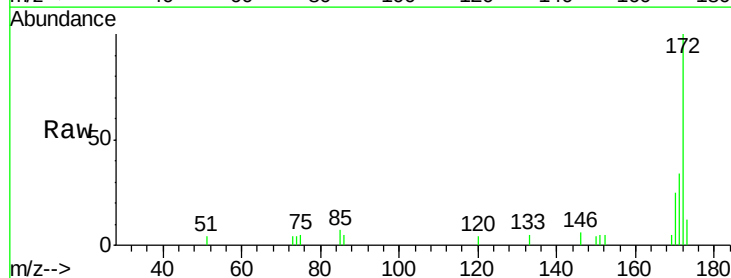
Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

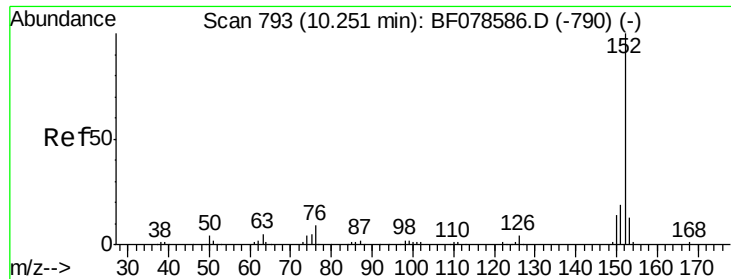
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.6	117.8
141	25.0	31.2	46.8#



#44
 2-Fluorobiphenyl
 Concen: 2.15 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	25.0	18.5	27.7





#48

Acenaphthylene

Concen: 2.83 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

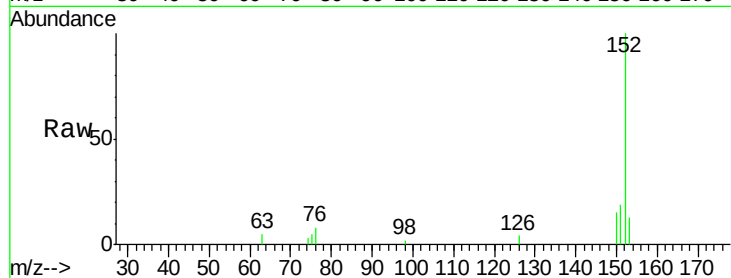
Tgt Ion:152 Resp: 21450

Ion Ratio Lower Upper

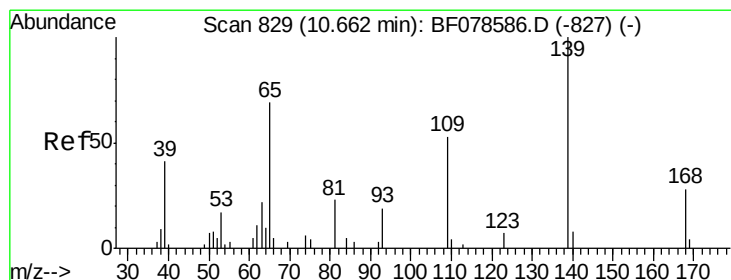
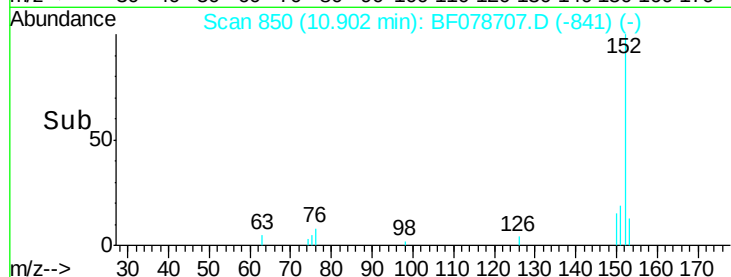
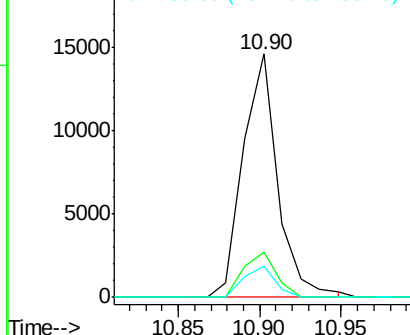
152 100

151 18.8 15.7 23.5

153 12.8 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#55

4-Nitrophenol

Concen: 6.76 ng

RT: 11.55 min Scan# 907

Delta R.T. -0.06 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

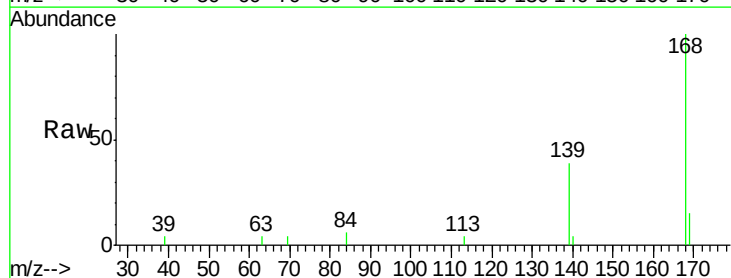
Tgt Ion:139 Resp: 3908

Ion Ratio Lower Upper

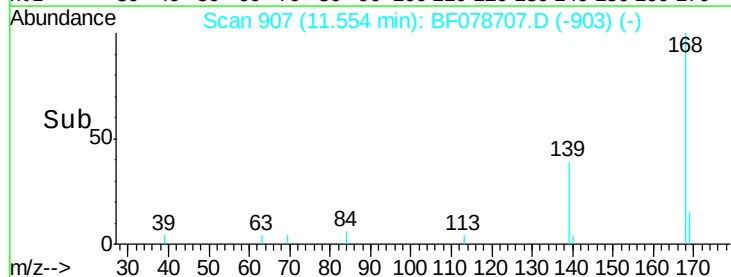
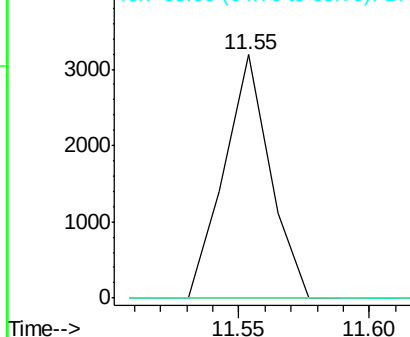
139 100

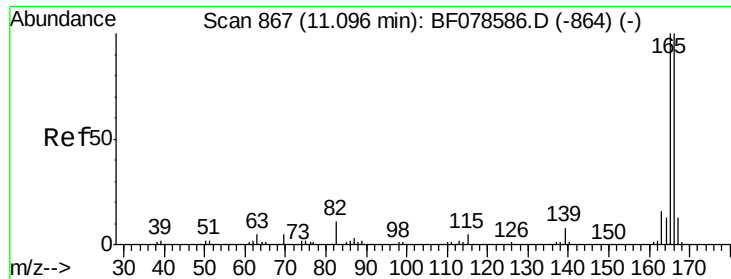
109 0.0 36.7 76.7#

65 0.0 49.9 89.9#



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

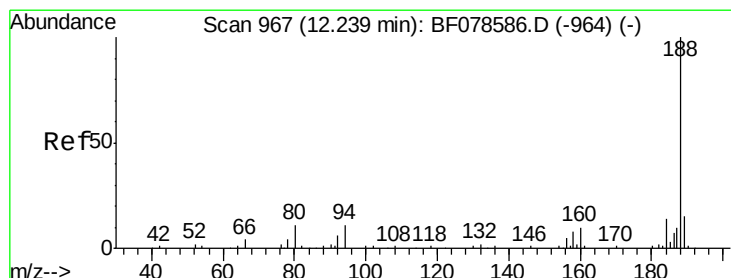
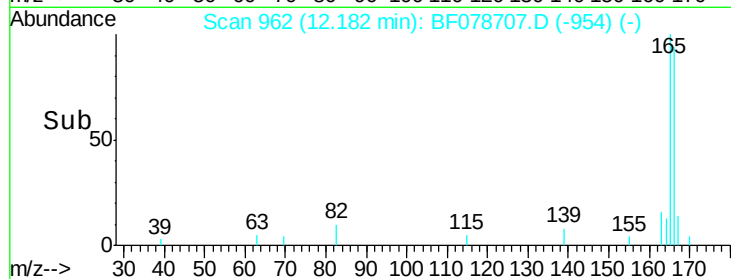
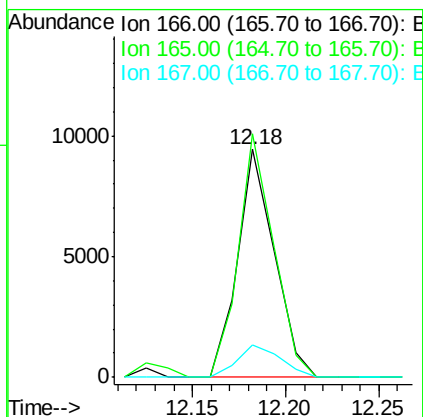
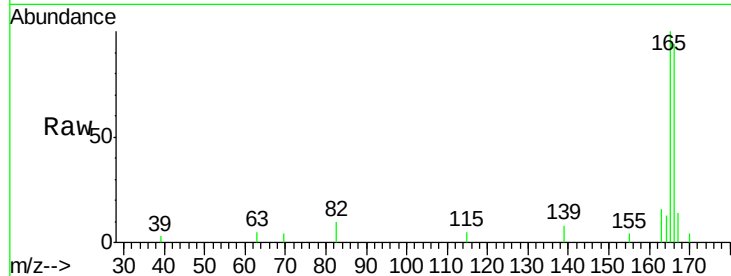




#57
Fluorene
 Concen: 2.44 ng
 RT: 12.18 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

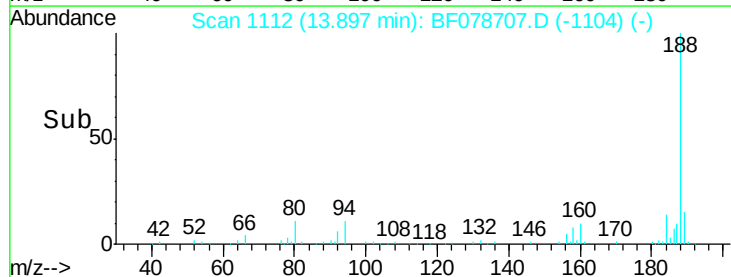
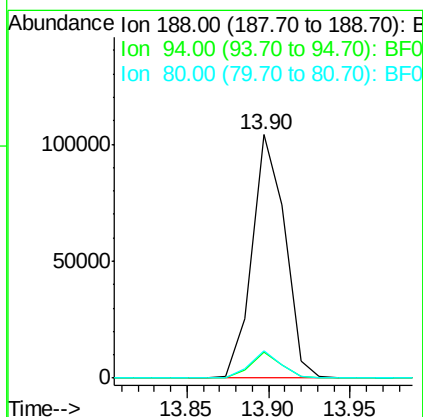
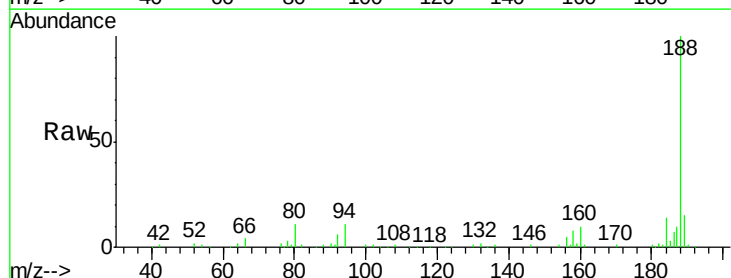
Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

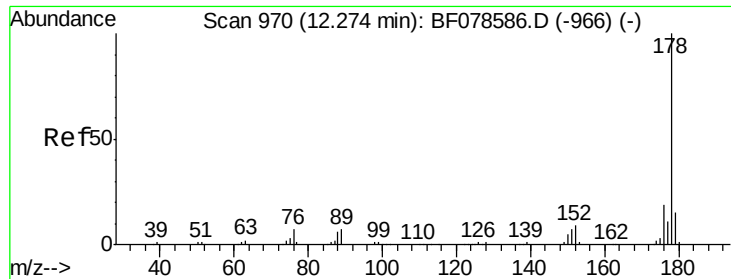
Tgt Ion:166 Resp: 12920
 Ion Ratio Lower Upper
 166 100
 165 106.8 78.9 118.3
 167 14.4 10.7 16.1



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion:188 Resp: 145383
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.0 13.4
 80 11.2 9.5 14.3

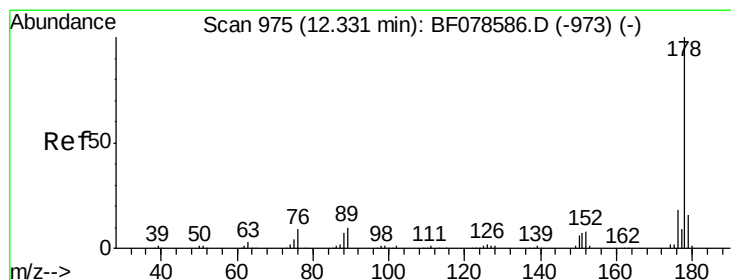
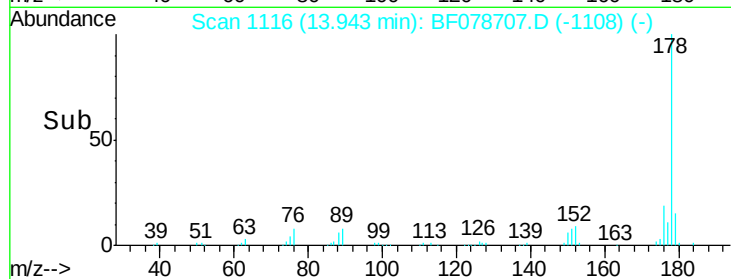
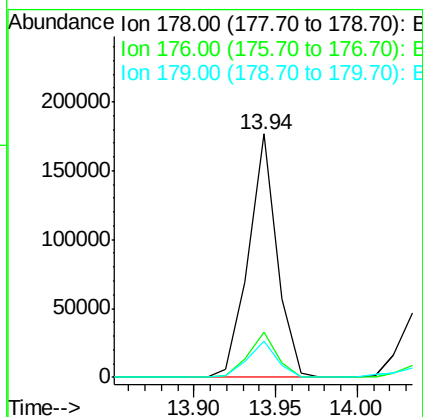
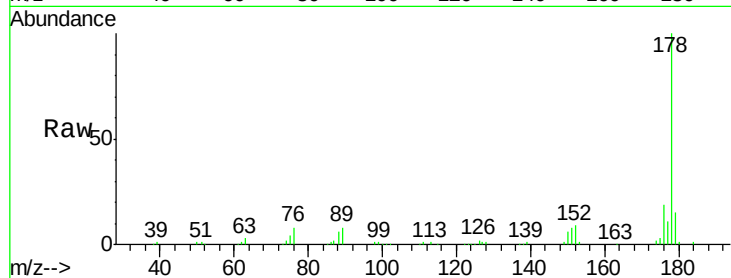




#70
 Phenanthrene
 Concen: 25.56 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

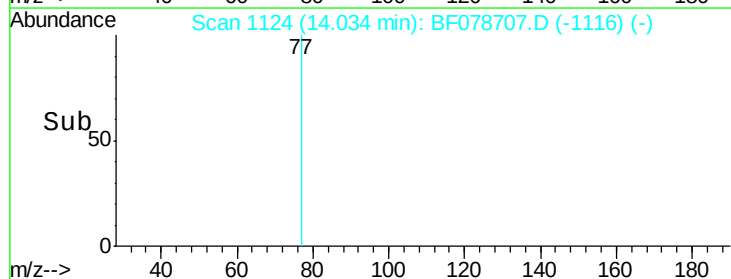
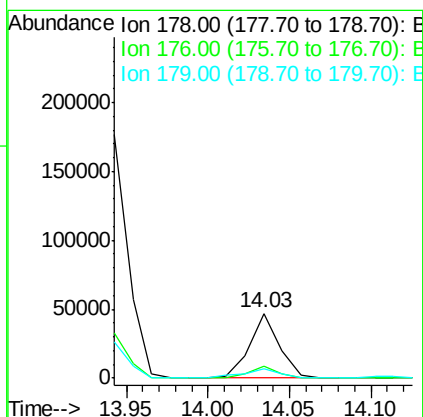
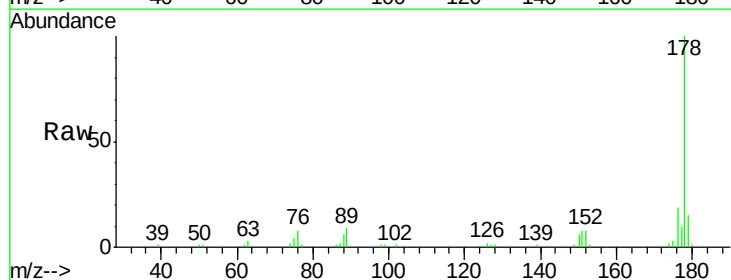
Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

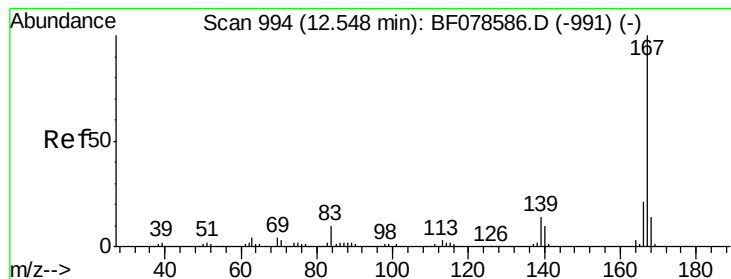
Tgt Ion:178 Resp: 214921
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.0
 179 14.8 12.2 18.2



#71
 Anthracene
 Concen: 7.17 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion:178 Resp: 59441
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.4 12.4 18.6





#72

Carbazole

Concen: 2.08 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

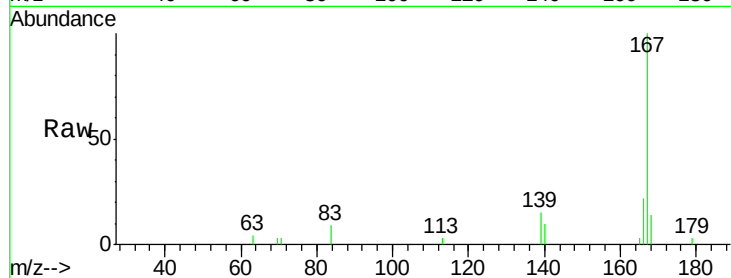
Tgt Ion:167 Resp: 16142

Ion Ratio Lower Upper

167 100

166 21.8 16.8 25.2

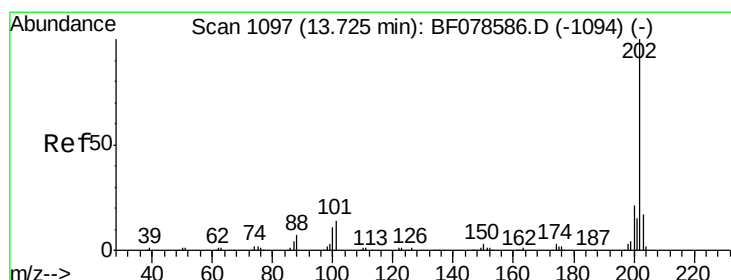
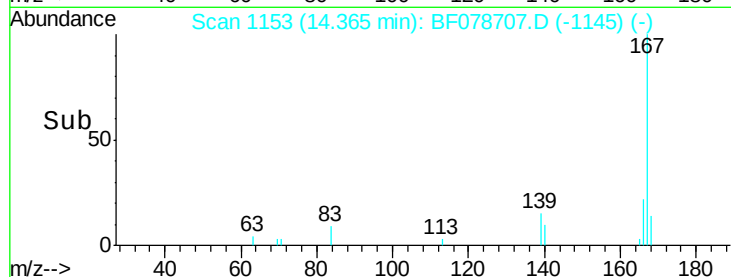
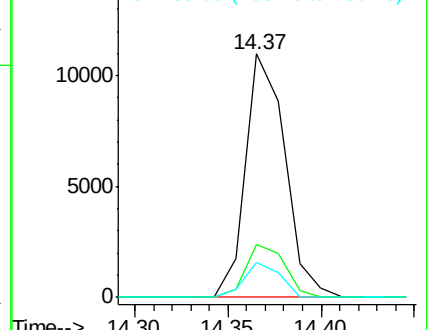
139 14.6 10.0 15.0



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: 37.62 ng

RT: 15.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

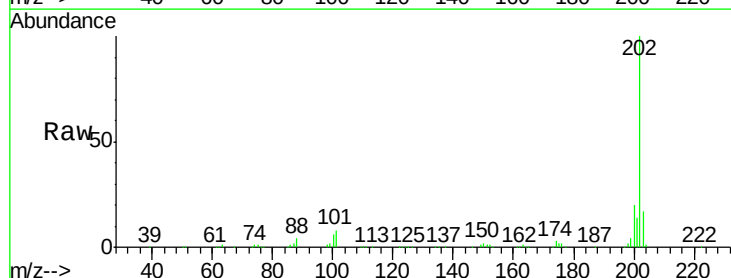
Tgt Ion:202 Resp: 333668

Ion Ratio Lower Upper

202 100

101 7.8 0.0 35.2

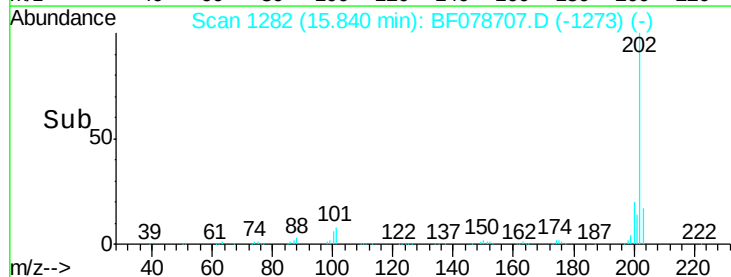
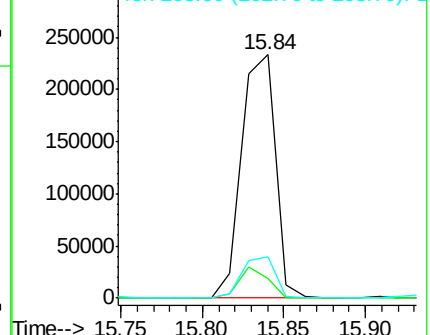
203 16.8 0.0 38.5

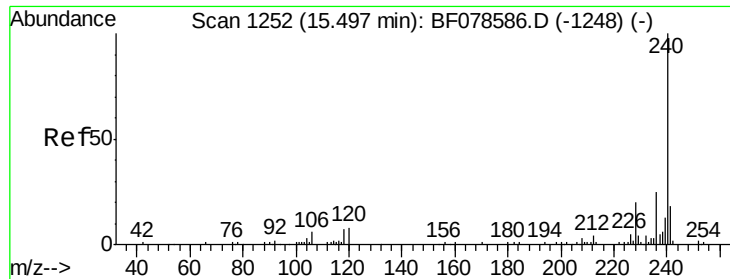


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

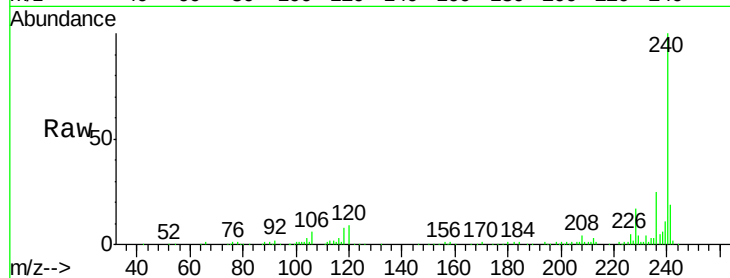




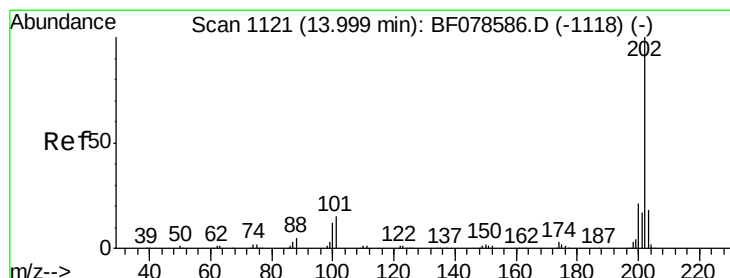
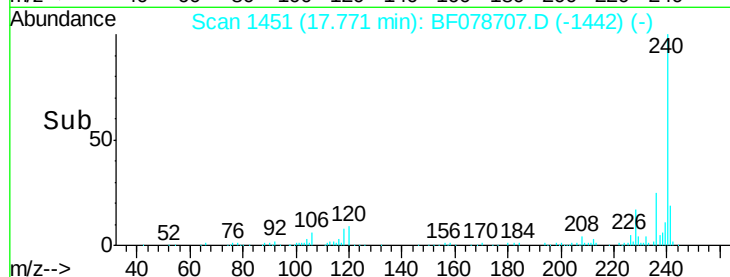
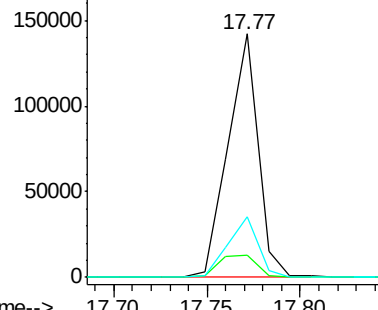
#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.1	10.7
236	25.0	21.4	32.2

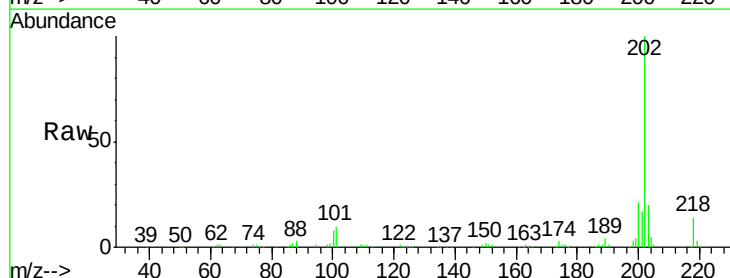


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

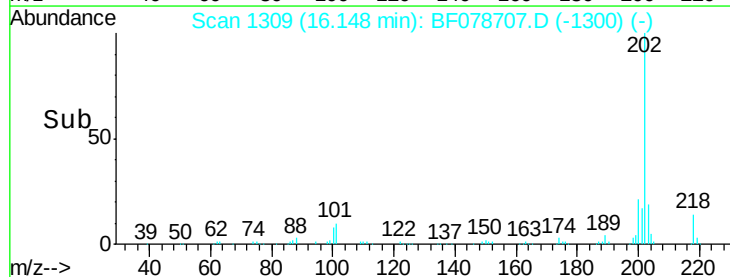
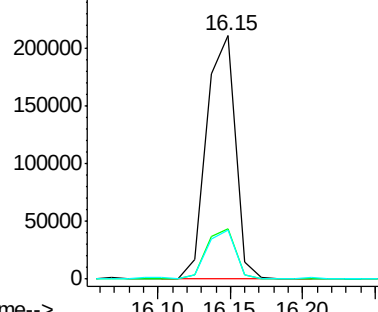


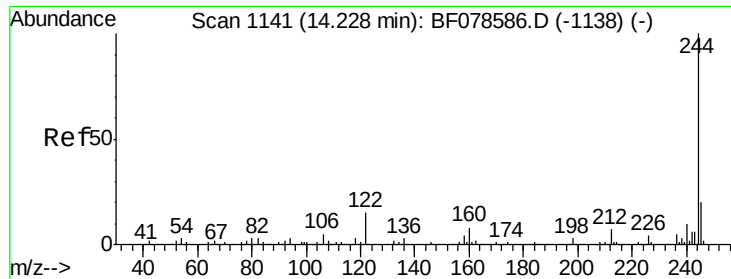
#77
Pyrene
Concen: 29.09 ng
RT: 16.15 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.0	13.8	20.6



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: 1.78 ng

RT: 16.42 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

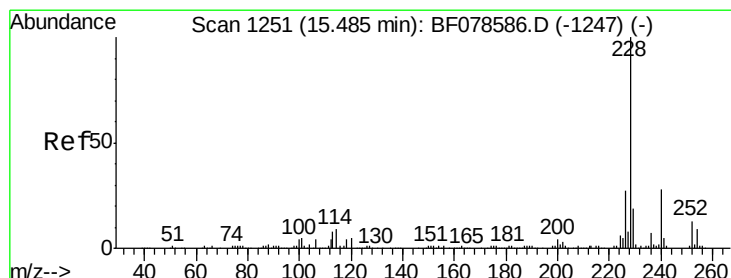
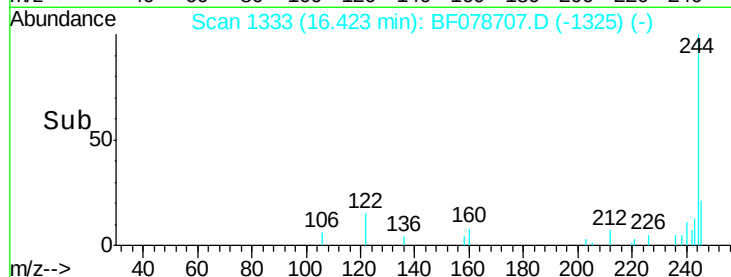
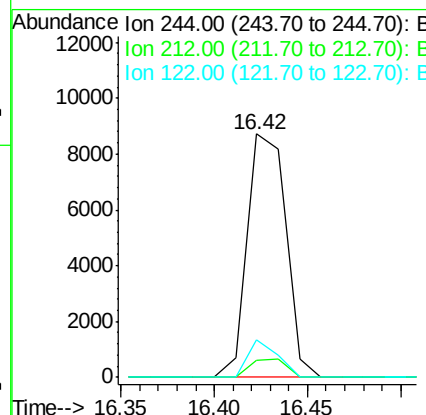
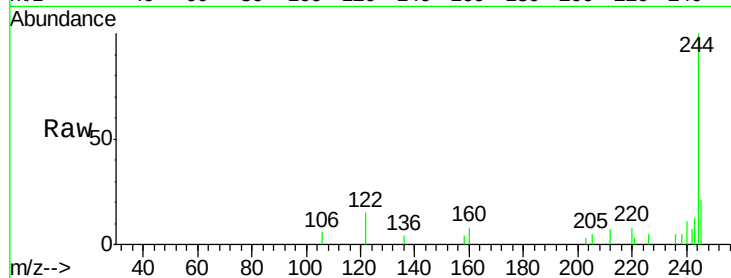
Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

Tgt Ion:	244	Resp:	12503
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.0	7.4
122	15.4	7.1	10.7#



#80

Benzo(a)anthracene

Concen: 19.64 ng

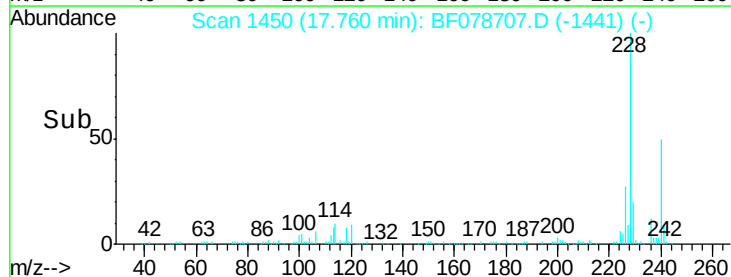
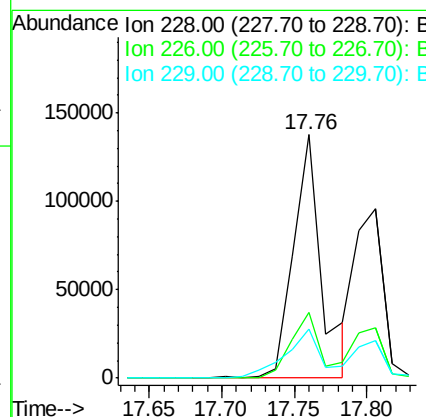
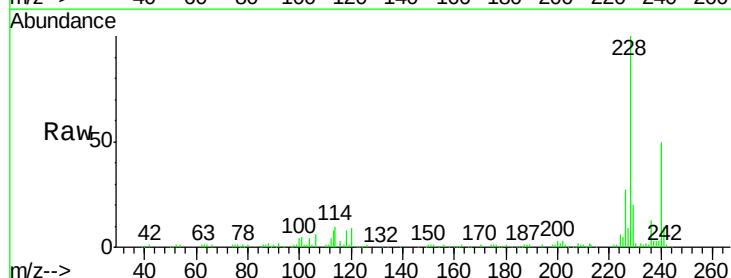
RT: 17.76 min Scan# 1450

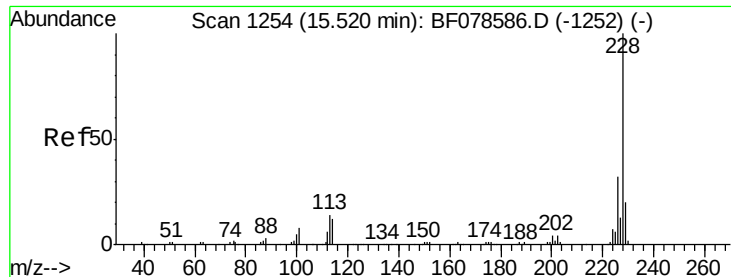
Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Tgt Ion:	228	Resp:	185545
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.3	31.9
229	20.2	15.4	23.2





#82

Chrysene

Concen: 14.48 ng

RT: 17.81 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

ClientSampleId :

S2-1-4DL

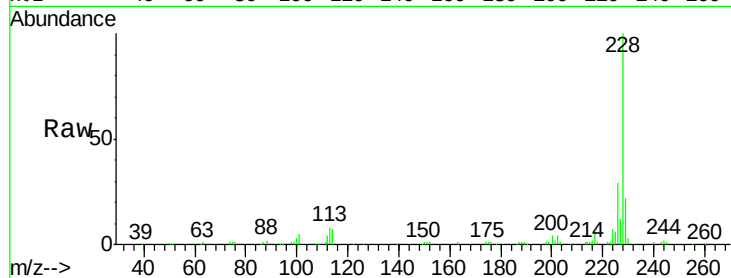
Tgt Ion:228 Resp: 128572

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

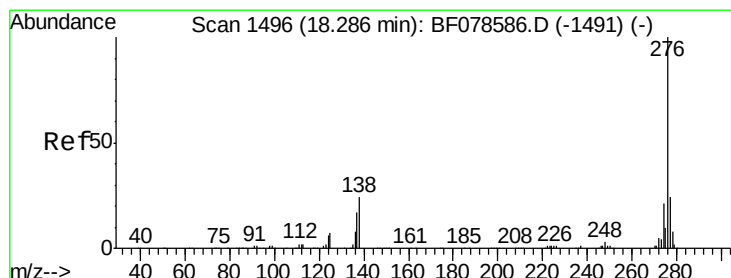
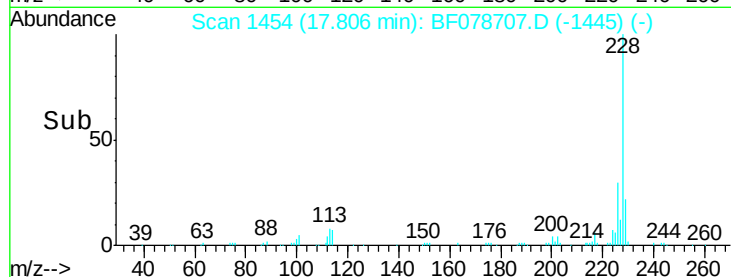
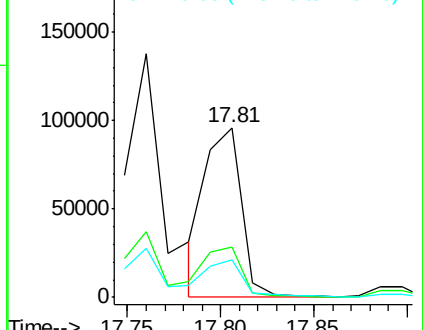
229 22.3 15.8 23.8



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: 8.15 ng

RT: 20.64 min Scan# 1702

Delta R.T. 0.05 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

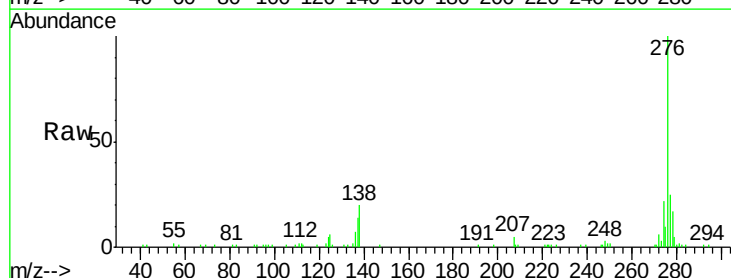
Tgt Ion:276 Resp: 82063

Ion Ratio Lower Upper

276 100

138 24.5 16.9 25.3

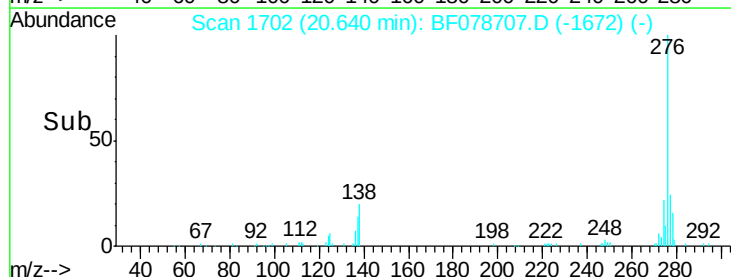
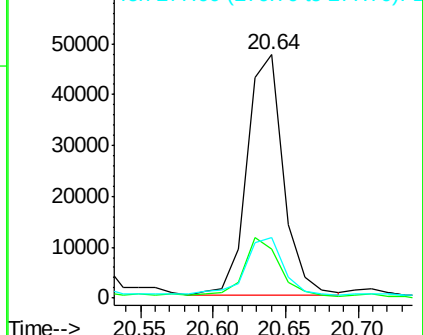
277 26.4 15.8 23.6#

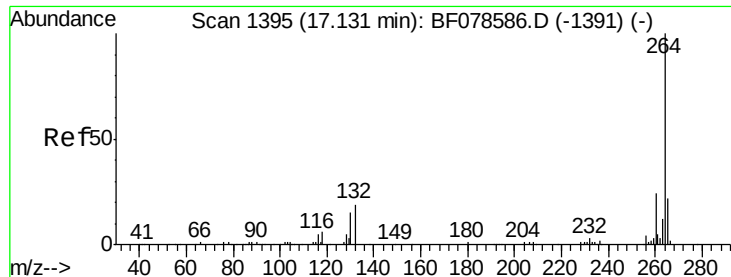


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

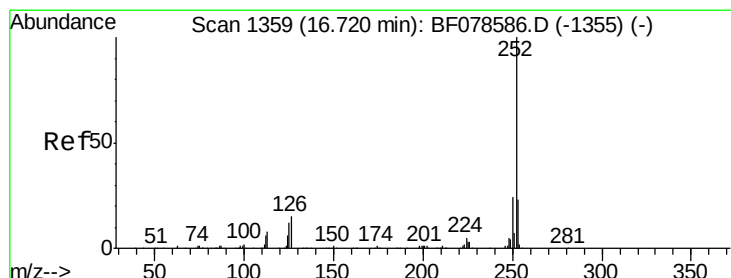
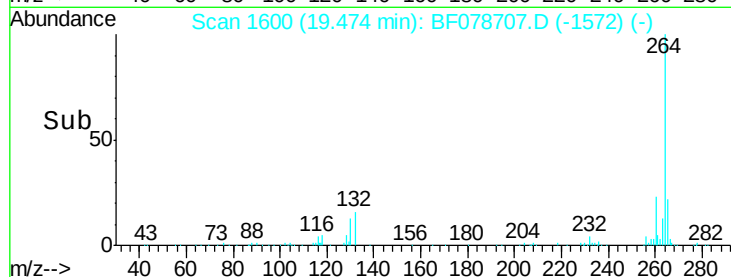
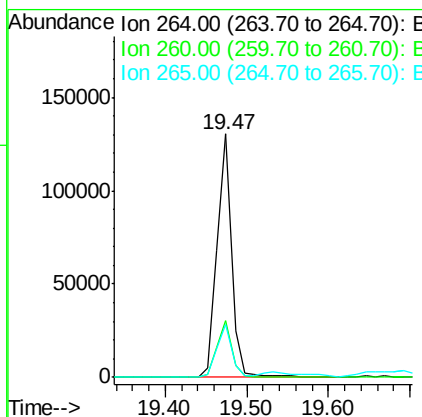
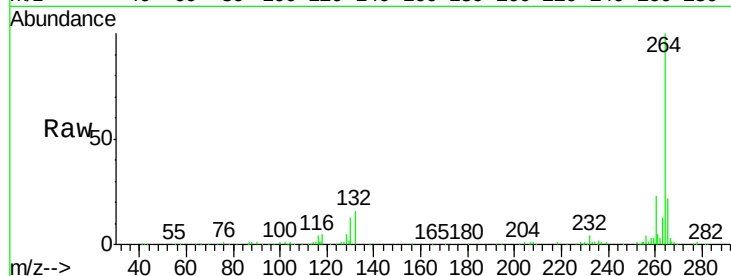




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.47 min Scan# 1600
Delta R.T. 0.02 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

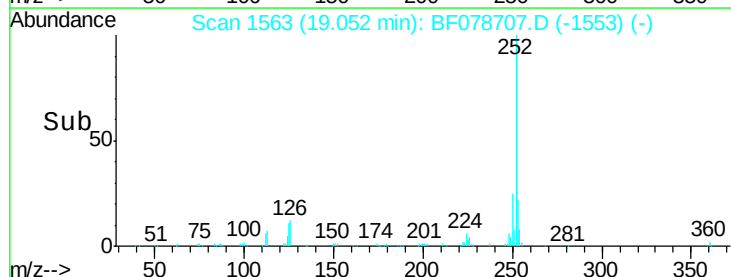
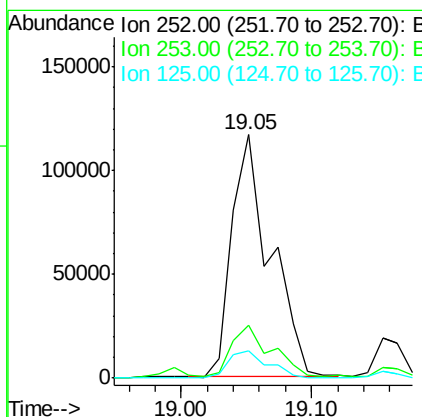
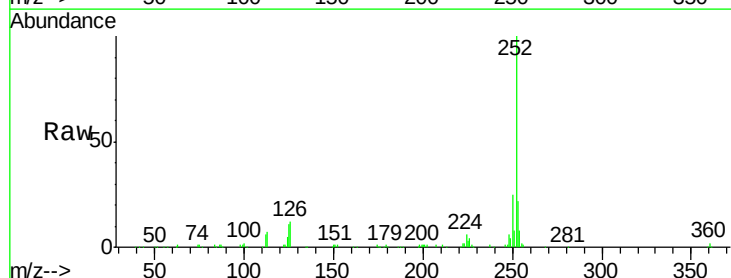
Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

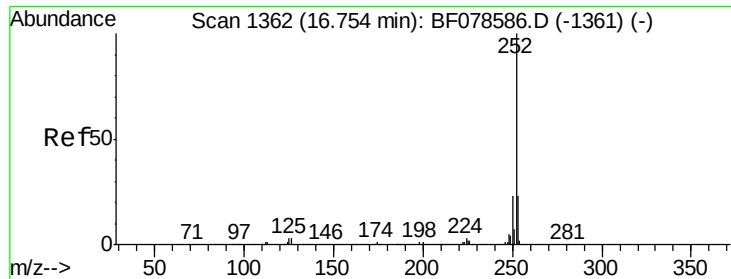
Tgt Ion: 264 Resp: 162711
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.7 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 24.02 ng
RT: 19.05 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion: 252 Resp: 241511
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 11.3 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 27.17 ng

RT: 19.05 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

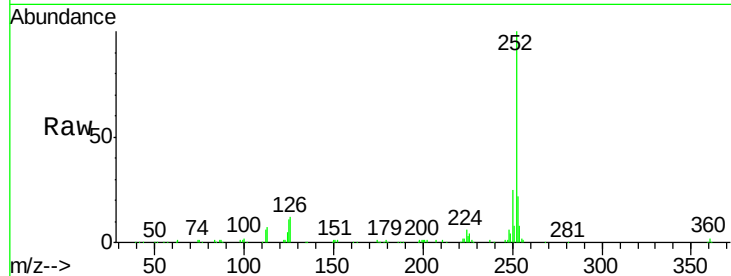
Instrument :

BNA_F

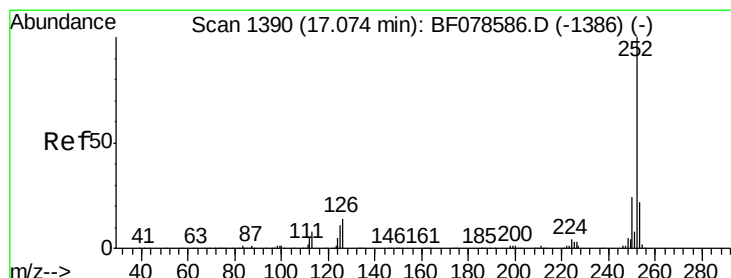
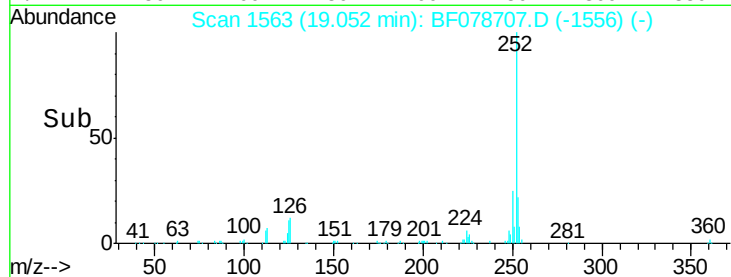
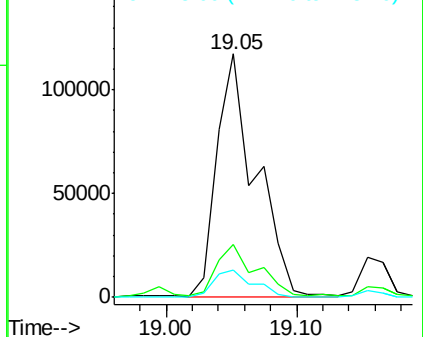
ClientSampleId :

S2-1-4DL

Tgt Ion:	252	Resp:	242831
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	11.3	11.6	17.4#



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: 14.67 ng

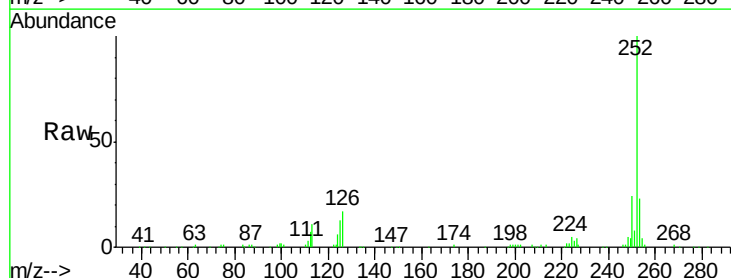
RT: 19.41 min Scan# 1594

Delta R.T. 0.01 min

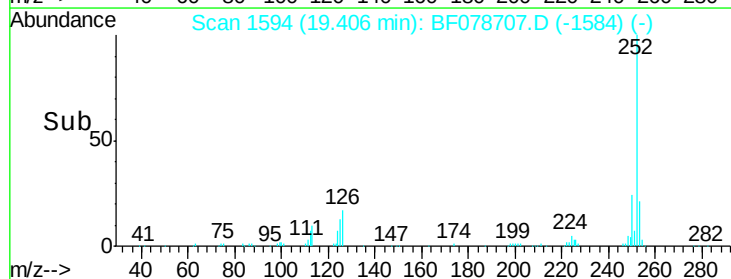
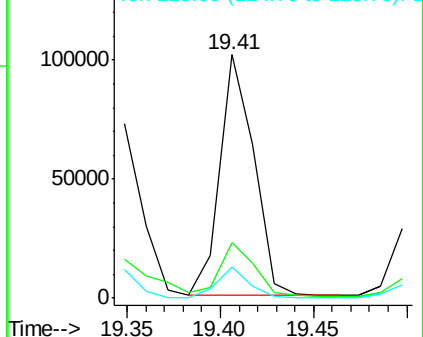
Lab File: BF078707.D

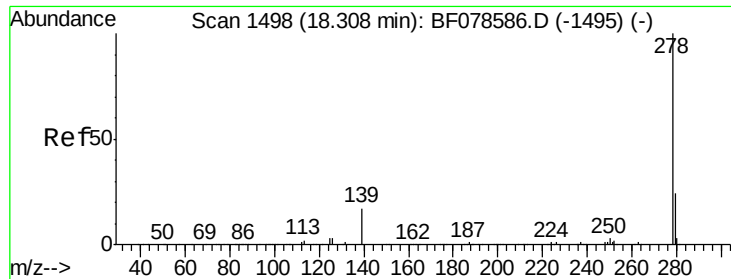
Acq: 22 Apr 2015 5:36

Tgt Ion:	252	Resp:	128730
Ion Ratio	Lower	Upper	
252	100		
253	22.6	16.8	25.2
125	12.9	7.4	11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



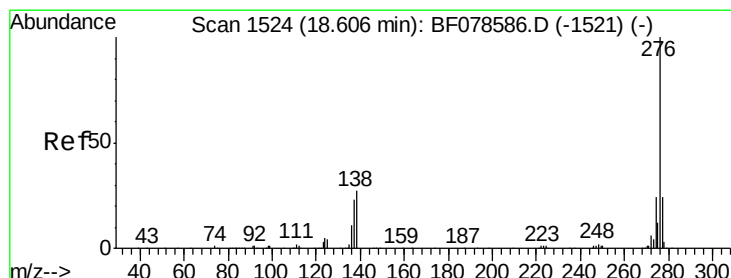
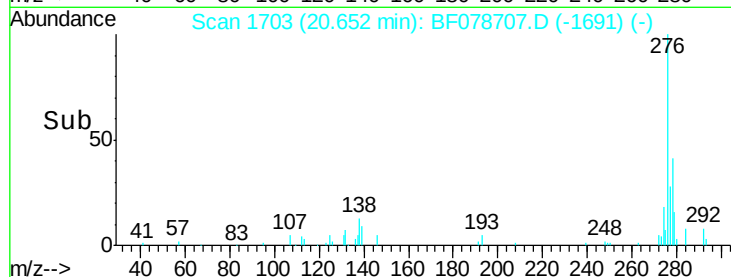
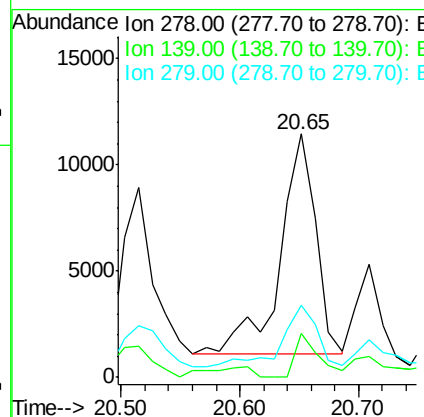
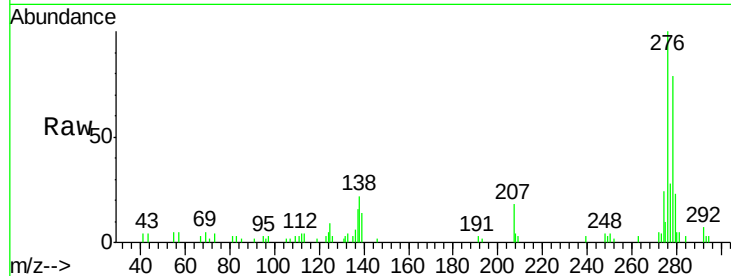


#90
Dibenzo(a,h)anthracene
Concen: 2.45 ng
RT: 20.65 min Scan# 1703
Delta R.T. 0.03 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tgt Ion: 278 Resp: 21529

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.6	20.4
279	29.5	19.0	28.6



#91
Benzo(g,h,i)perylene
Concen: 8.33 ng
RT: 20.95 min Scan# 1729
Delta R.T. 0.03 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion: 276 Resp: 73373

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	24.5	19.9	29.9

