

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078969.D
 Acq On : 6 May 2015 19:25
 Operator : TP/IZ
 Sample : G2114-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Quant Time: May 07 01:11:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69095	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	297062	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	141547	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	296070	20.00	ng	0.00
75) Chrysene-d12	16.24	240	309168	20.00	ng	-0.07
86) Perylene-d12	17.99	264	365309	20.00	ng	-0.24

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	204438	50.93	ng	0.01
7) Phenol-d6	6.90	99	282287	53.20	ng	0.01
23) Nitrobenzene-d5	8.03	82	154255	29.84	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	81727	53.37	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	319721	31.47	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

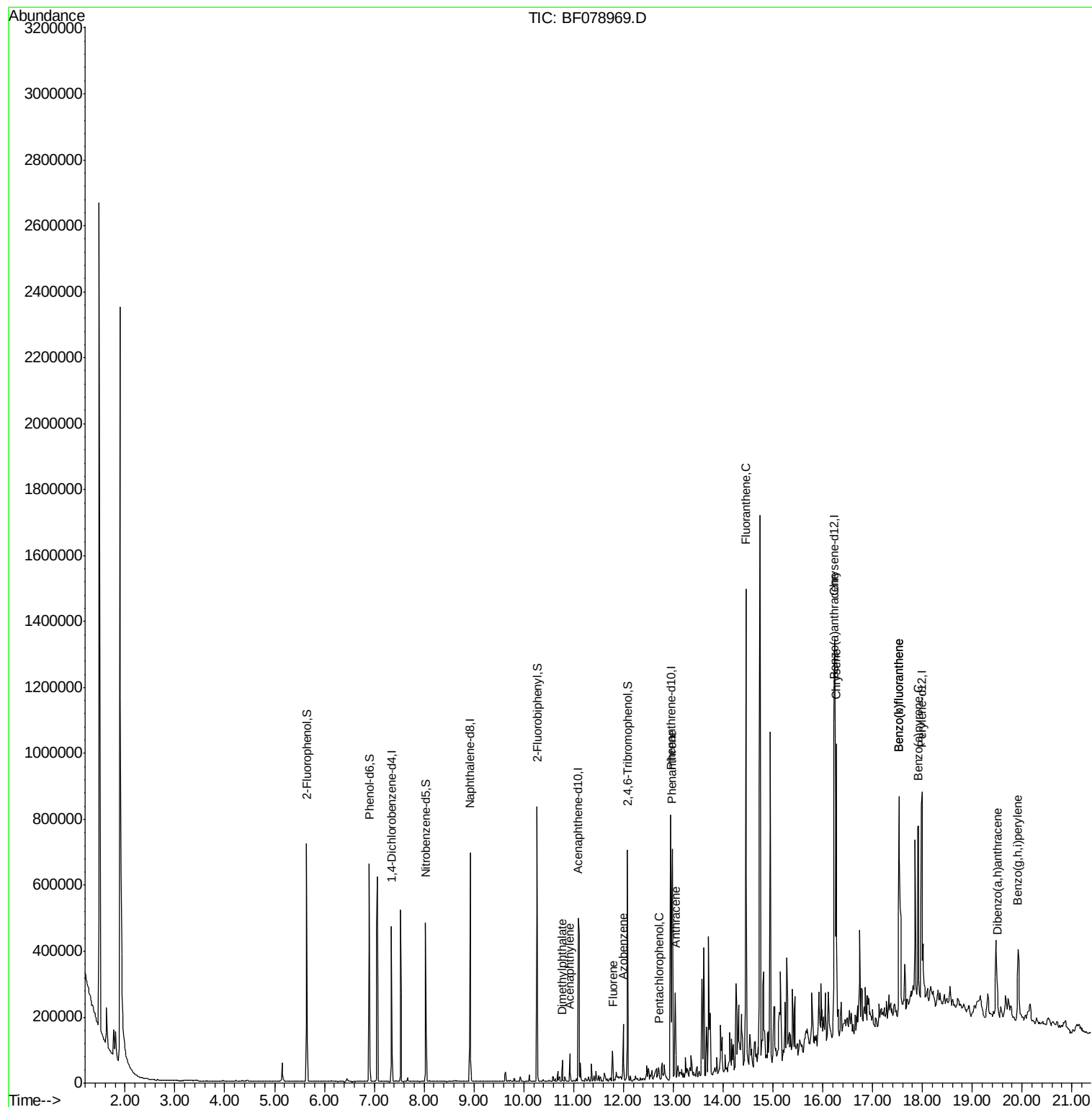
						Qvalue
48) Acenaphthylene	10.92	152	39171	2.72	ng	100
49) Dimethylphthalate	10.78	163	29508	2.84	ng	99
57) Fluorene	11.78	166	24234	2.38	ng	98
62) Azobenzene	12.00	77	31920	3.15	ng	# 1
69) Pentachlorophenol	12.71	266	237	6.95	ng	# 18
70) Phenanthrene	12.98	178	342748	20.69	ng	99
71) Anthracene	13.04	178	104069	6.40	ng	98
74) Fluoranthene	14.46	202	653182	37.85	ng	99
80) Benzo(a)anthracene	16.23	228	437249	25.83	ng	97
82) Chrysene	16.27	228	376685	23.13	ng	97
87) Benzo(b)fluoranthene	17.53	252	365168	18.26	ng	99
88) Benzo(k)fluoranthene	17.53	252	541095	27.95	ng	99
89) Benzo(a)pyrene	17.92	252	327319	17.78	ng	99
90) Dibenzo(a,h)anthracene	19.50	278	47511	2.43	ng	# 85
91) Benzo(g,h,i)perylene	19.92	276	180463	9.20	ng	98

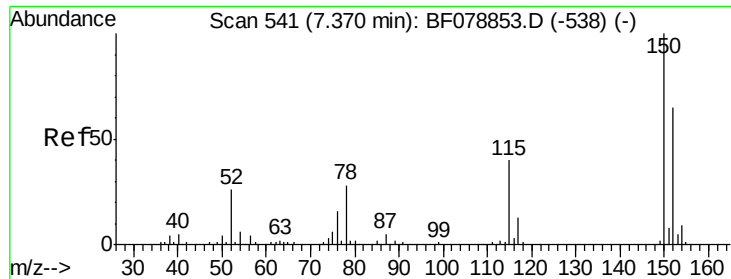
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

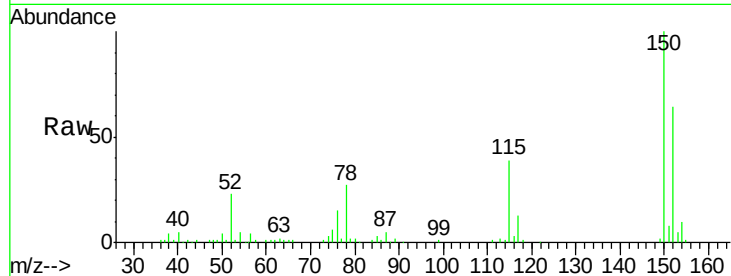
Tgt Ion:152 Resp: 69095

Ion Ratio Lower Upper

152 100

150 155.8 122.0 183.0

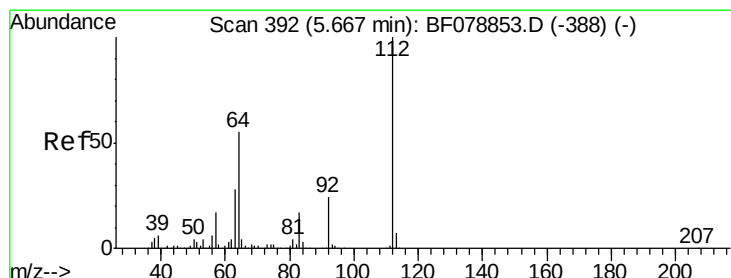
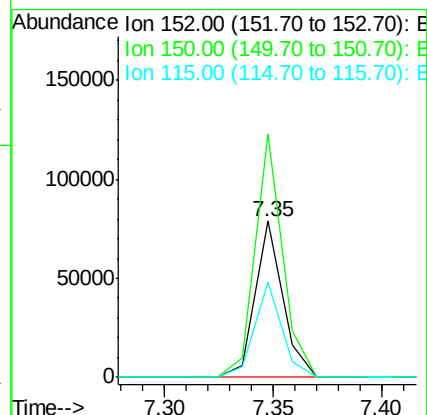
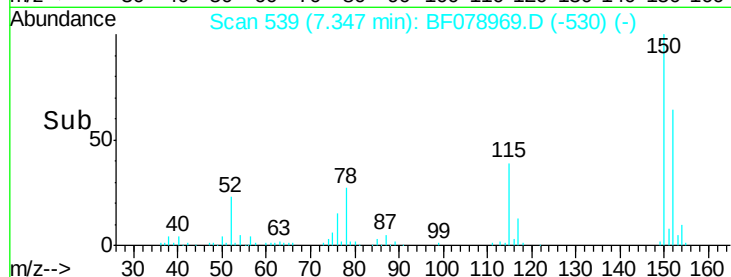
115 61.0 46.3 69.5



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: 50.93 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

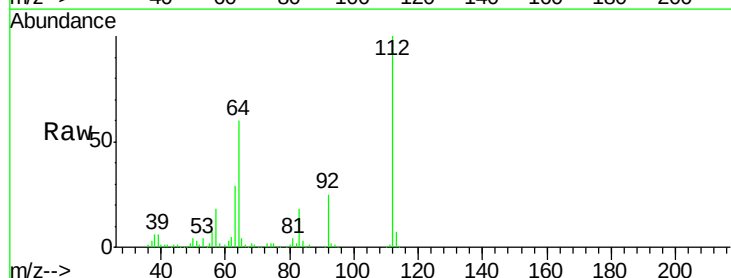
Tgt Ion:112 Resp: 204438

Ion Ratio Lower Upper

112 100

64 59.7 53.5 80.3

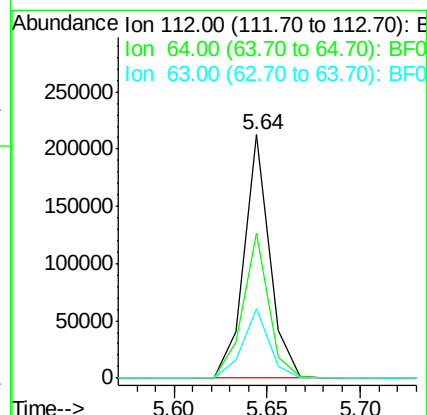
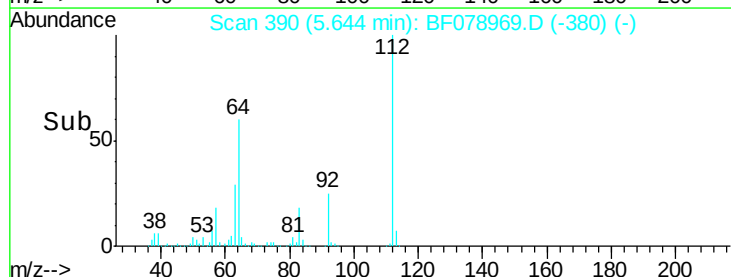
63 28.7 27.5 41.3

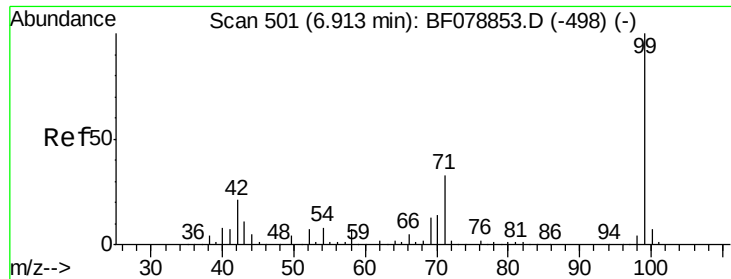


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.20 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

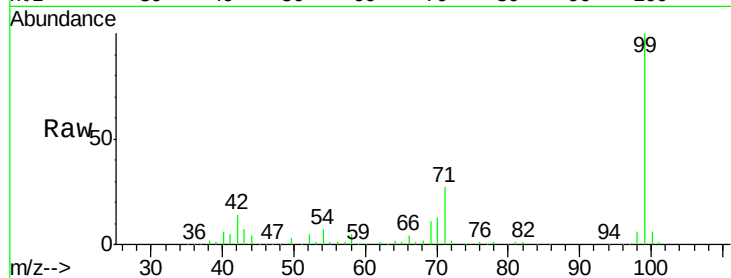
Tgt Ion: 99 Resp: 282287

Ion Ratio Lower Upper

99 100

42 14.4 12.8 19.2

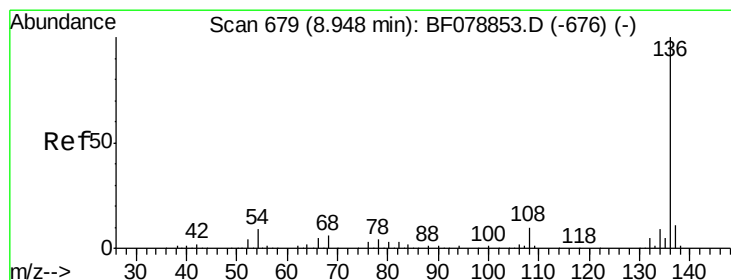
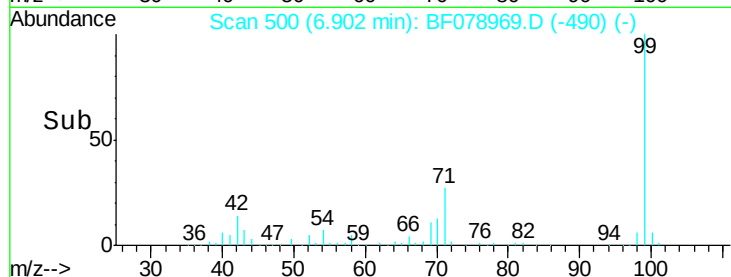
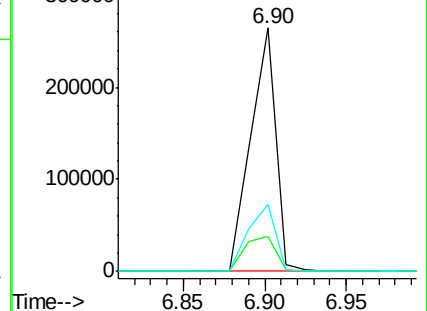
71 27.3 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion: 136 Resp: 297062

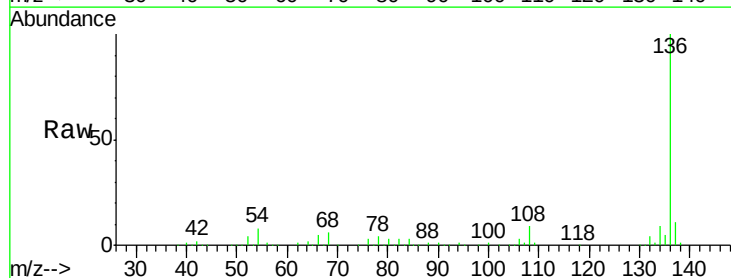
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.8 5.8 8.8

68 5.8 4.2 6.4

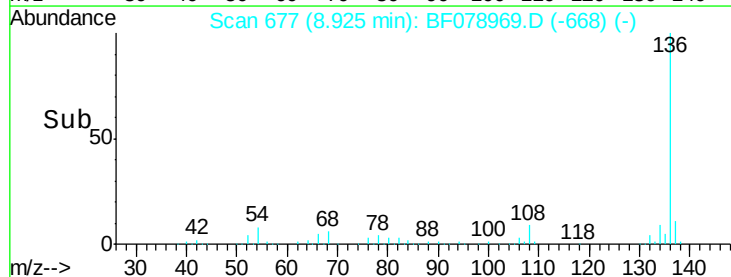
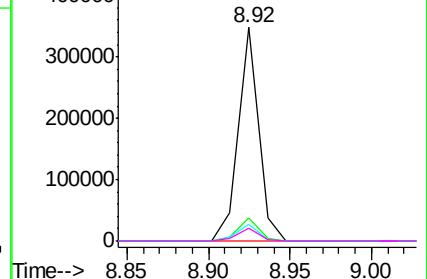


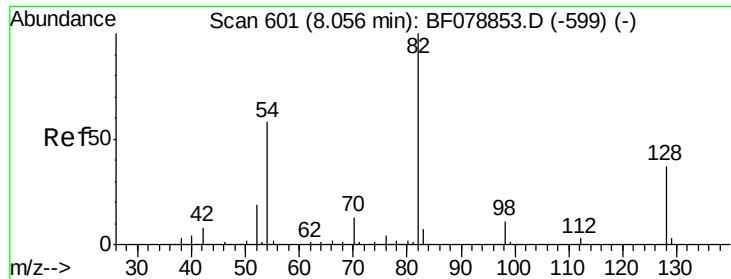
Abundance Ion 136.00 (135.70 to 136.70): E

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

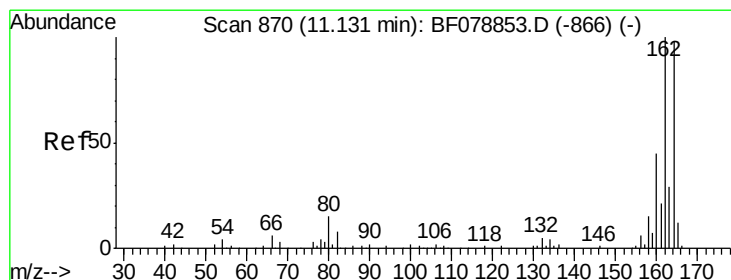
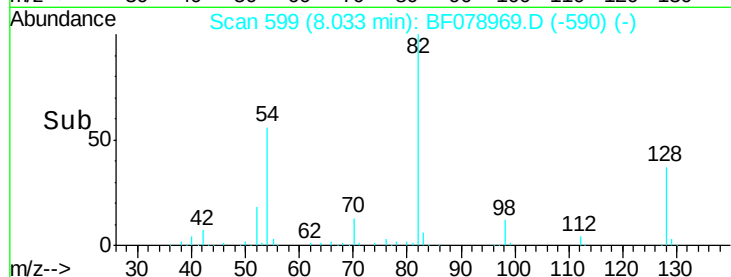
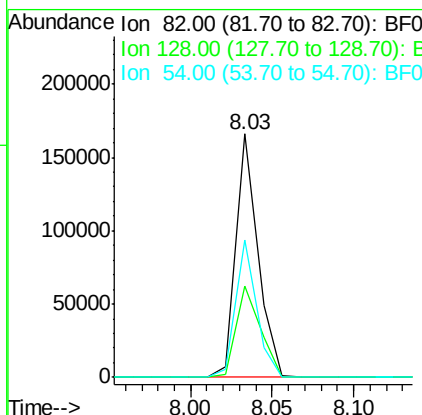
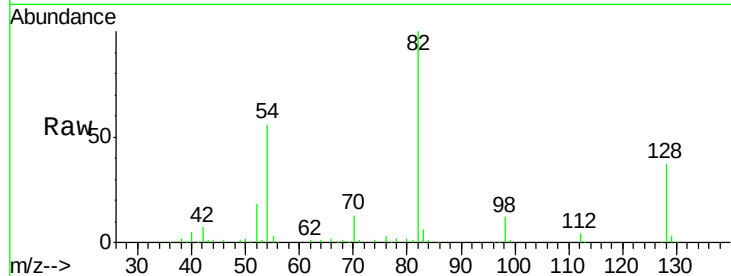




#23
 Nitrobenzene-d5
 Concen: 29.84 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

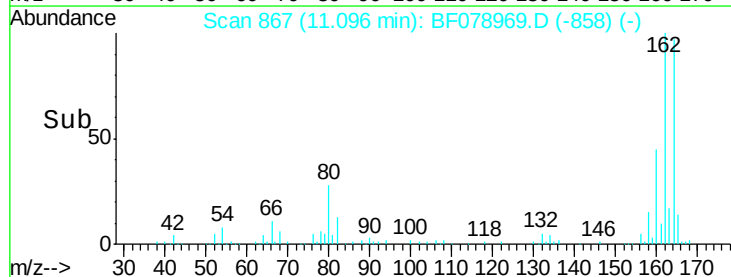
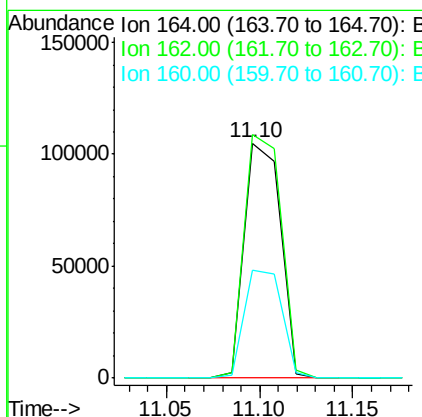
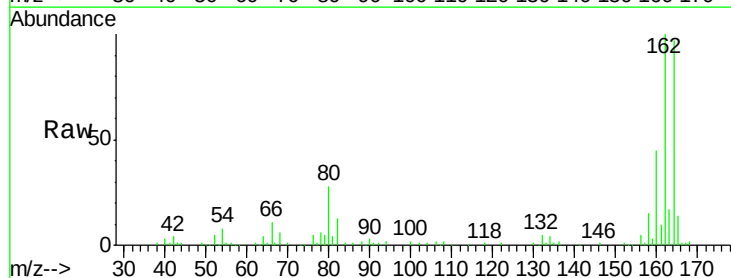
Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

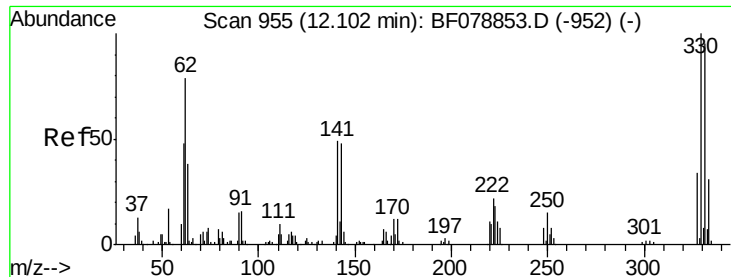
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.3	30.0	45.0
54	56.3	46.4	69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.7	124.1
160	46.2	35.8	53.8

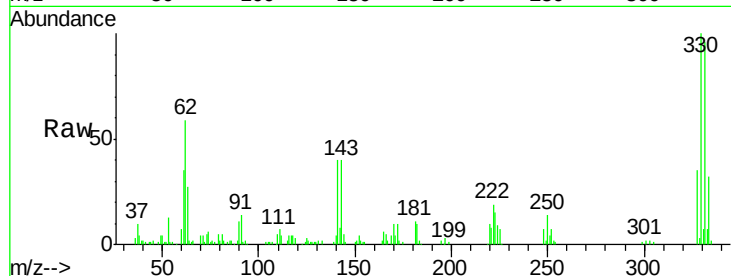




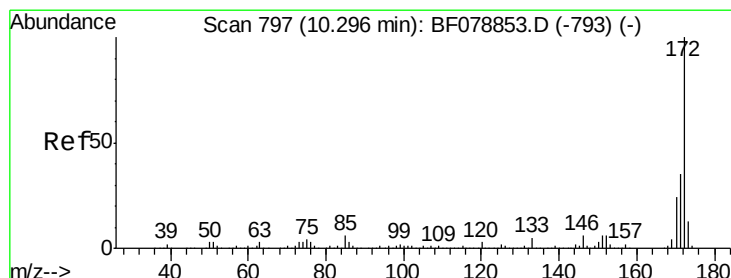
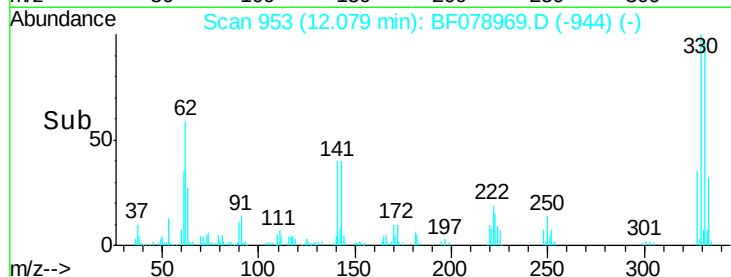
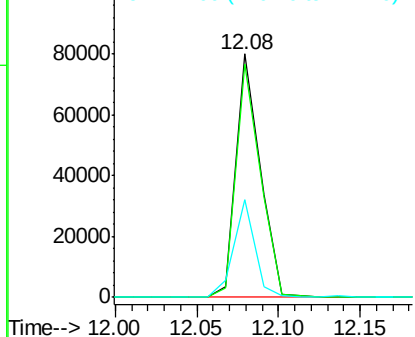
#41
 2,4,6-Tribromophenol
 Concen: 53.37 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tgt Ion:330 Resp: 81727
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 35.3 0.0 0.0#

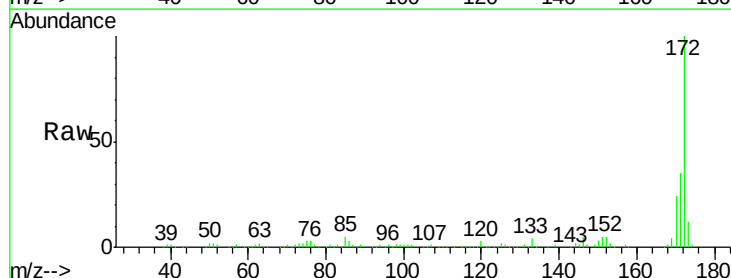


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

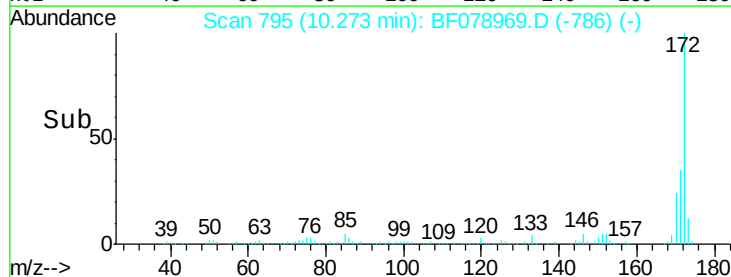
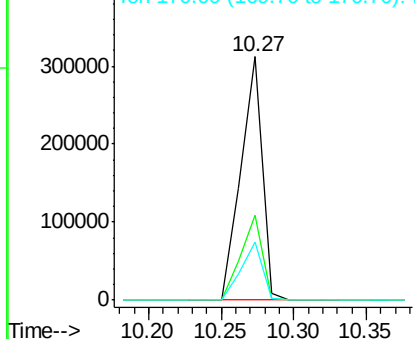


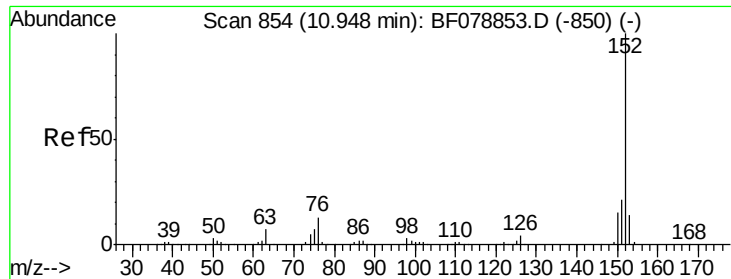
#44
 2-Fluorobiphenyl
 Concen: 31.47 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion:172 Resp: 319721
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.9 41.9
 170 23.7 19.4 29.0



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





#48

Acenaphthylene

Concen: 2.72 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

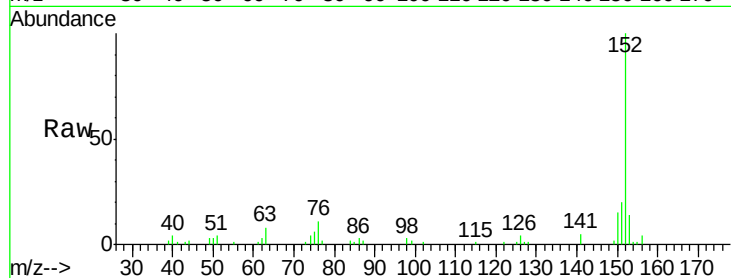
Tgt Ion:152 Resp: 39171

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

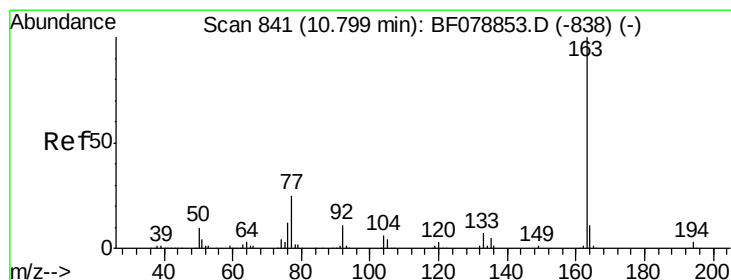
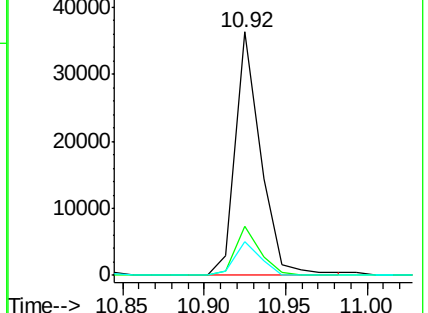
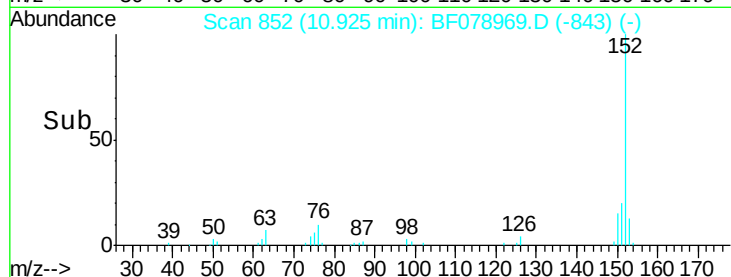
153 13.7 10.9 16.3



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



#49

Dimethylphthalate

Concen: 2.84 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

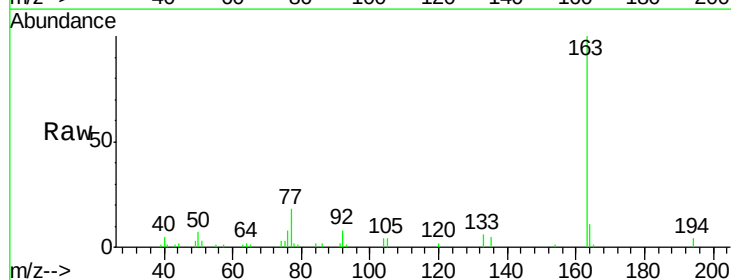
Tgt Ion:163 Resp: 29508

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

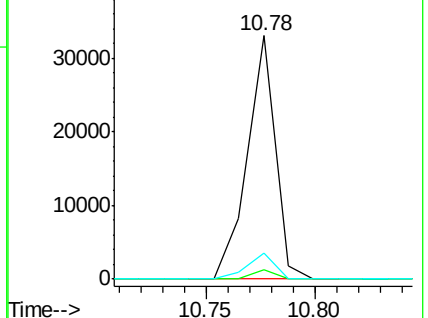
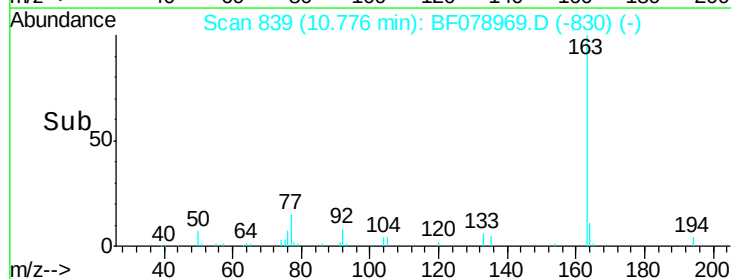
164 10.5 8.1 12.1

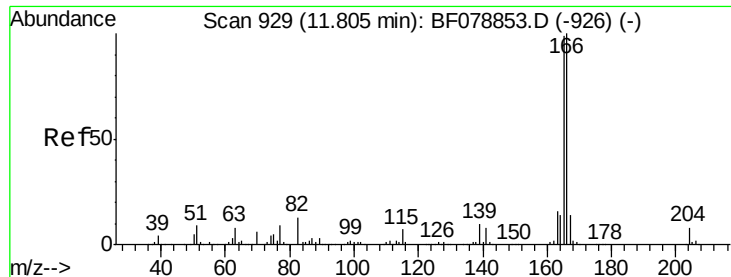


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

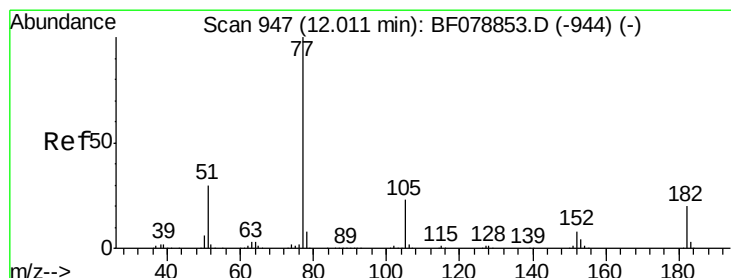
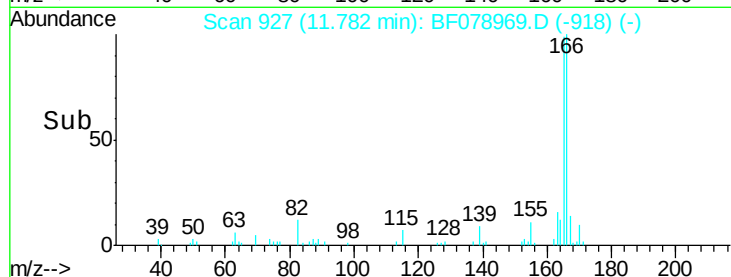
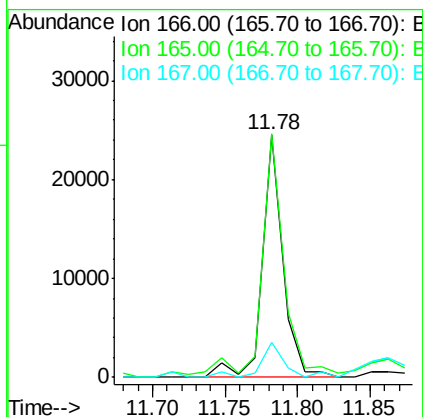
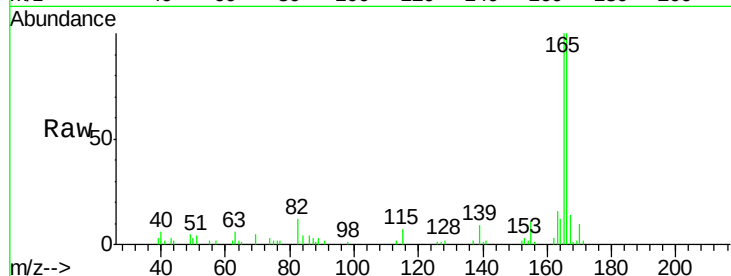




#57
Fluorene
Concen: 2.38 ng
RT: 11.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

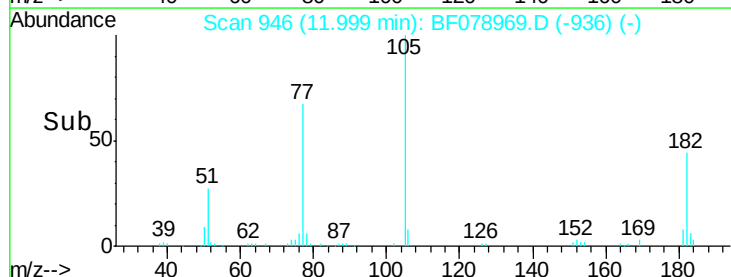
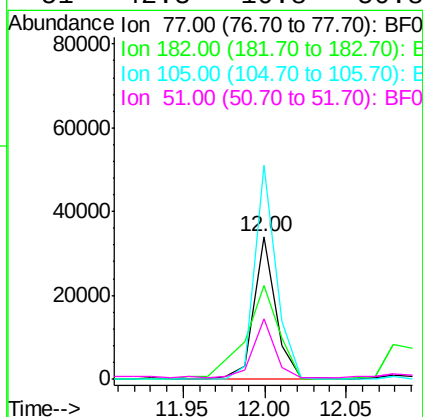
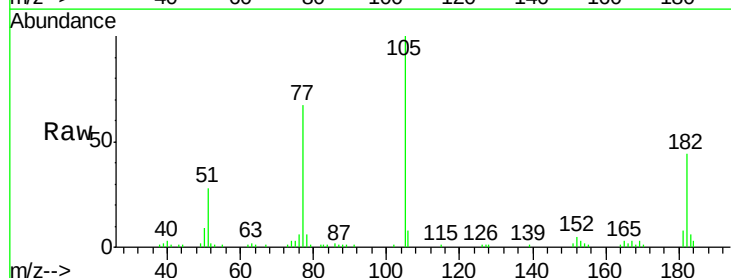
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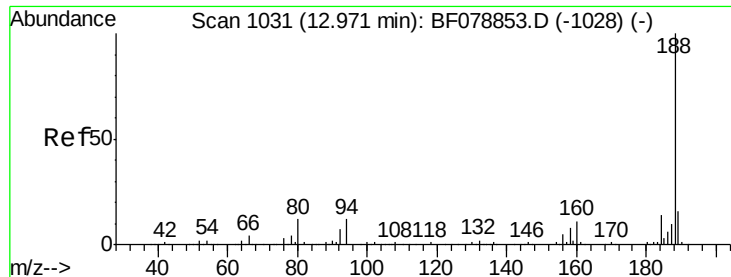
Tgt Ion:166 Resp: 24234
Ion Ratio Lower Upper
166 100
165 100.3 78.5 117.7
167 14.5 11.0 16.6



#62
Azobenzene
Concen: 3.15 ng
RT: 12.00 min Scan# 946
Delta R.T. 0.01 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Tgt Ion: 77 Resp: 31920
Ion Ratio Lower Upper
77 100
182 65.3 3.8 43.8#
105 149.8 3.9 43.9#
51 42.3 10.8 50.8

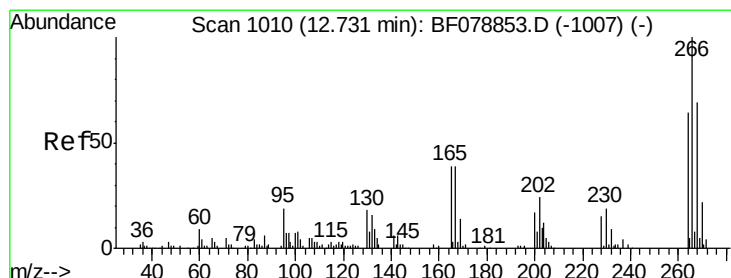
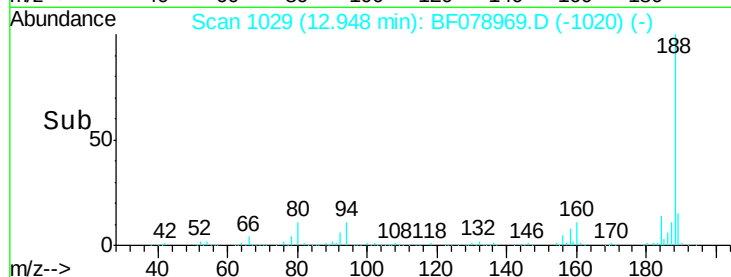
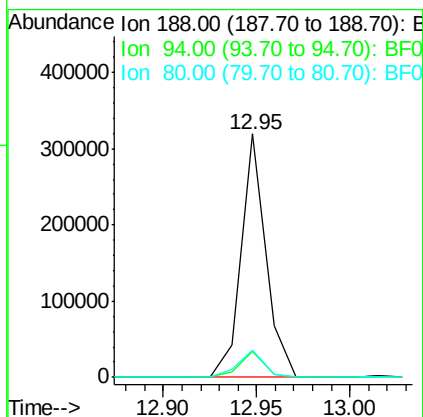
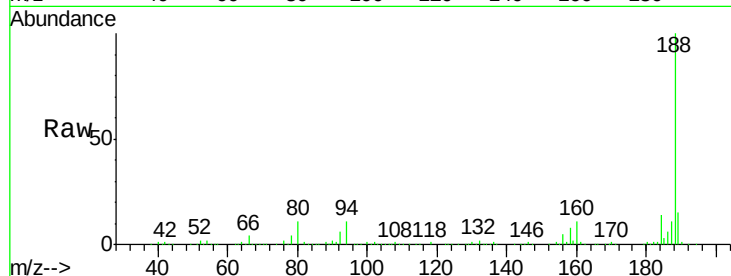




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

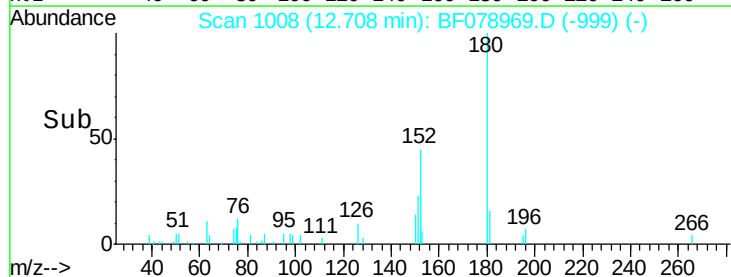
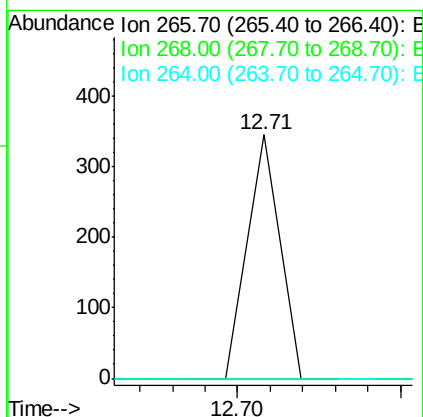
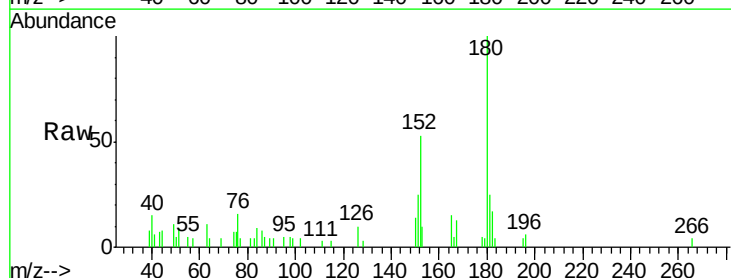
Instrument :
BNA_F
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GRID-2(6-12)

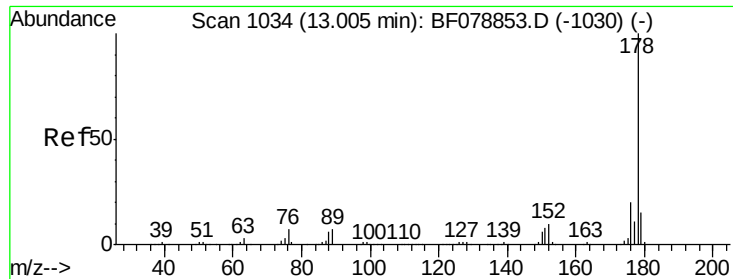
Tgt Ion:188 Resp: 296070
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.2
80 11.3 8.9 13.3



#69
Pentachlorophenol
Concen: 6.95 ng
RT: 12.71 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF078969.D
Acq: 6 May 2015 19:25

Tgt Ion:266 Resp: 237
Ion Ratio Lower Upper
266 100
268 0.0 55.0 82.6#
264 0.0 48.2 72.2#





#70

Phenanthrene

Concen: 20.69 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

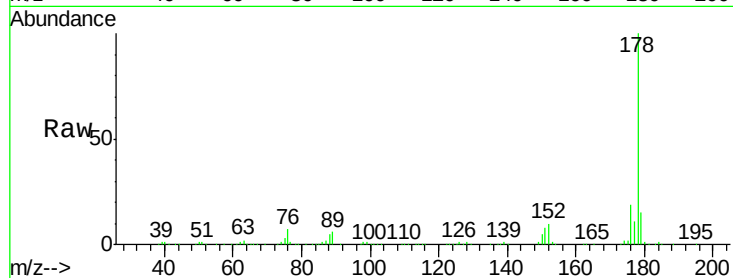
Tgt Ion:178 Resp: 342748

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

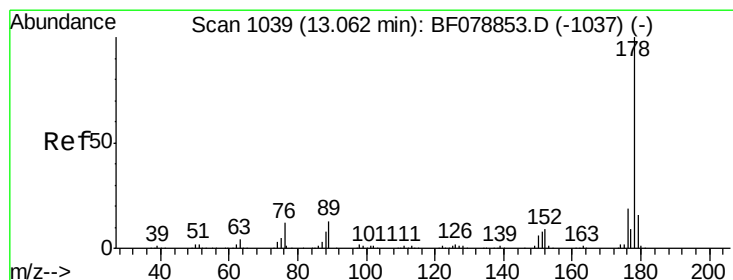
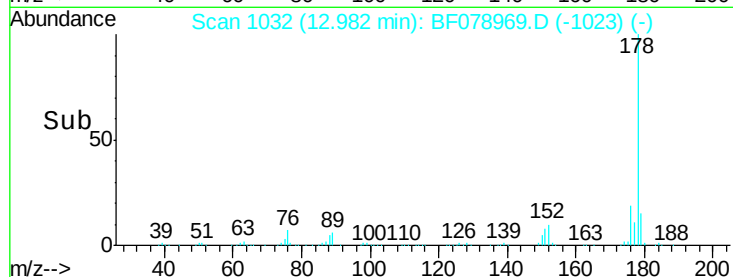
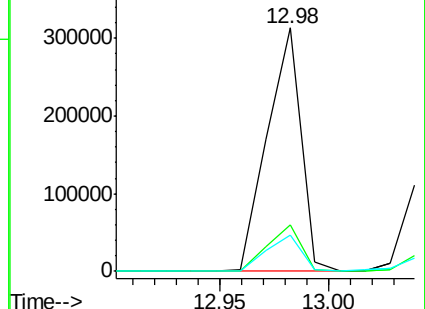
179 15.0 12.5 18.7



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: 6.40 ng

RT: 13.04 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

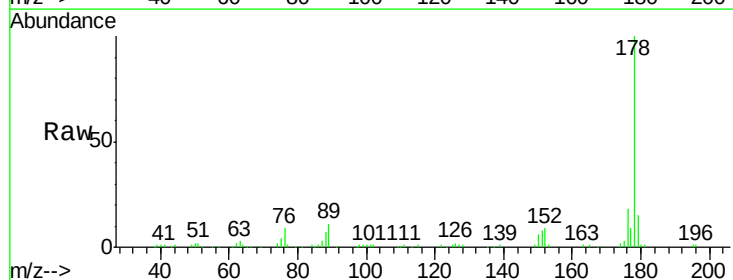
Tgt Ion:178 Resp: 104069

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

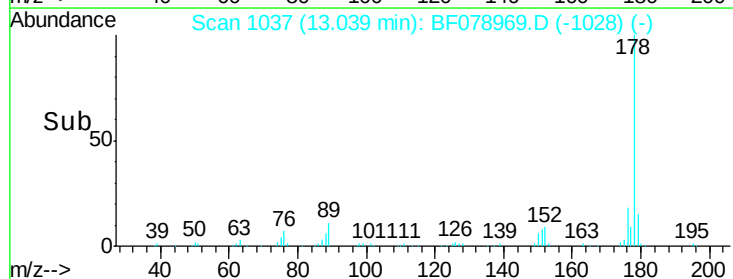
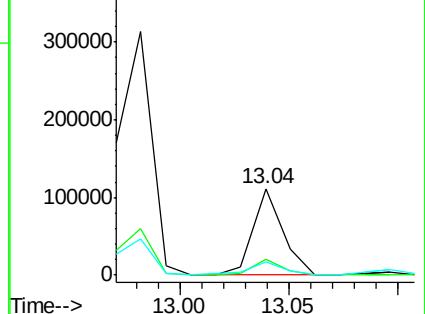
179 15.5 12.7 19.1

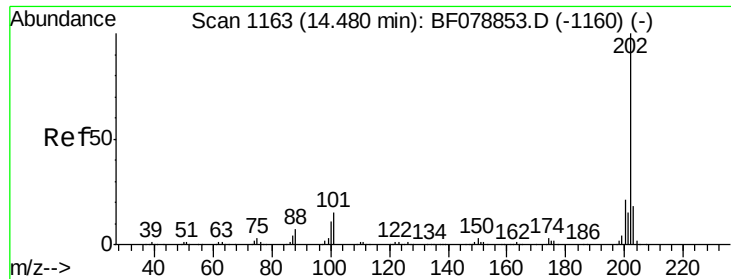


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 37.85 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

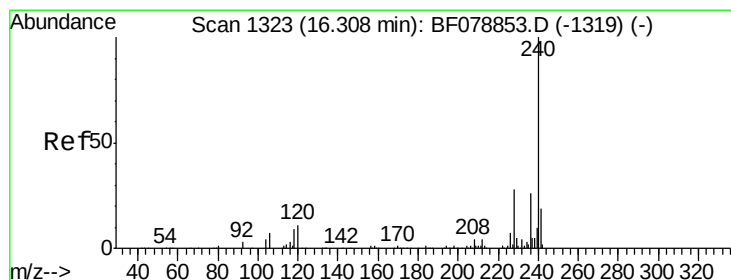
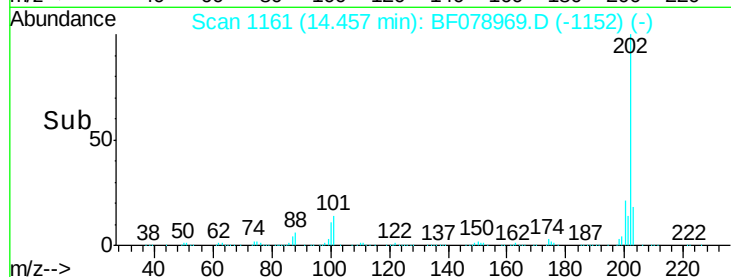
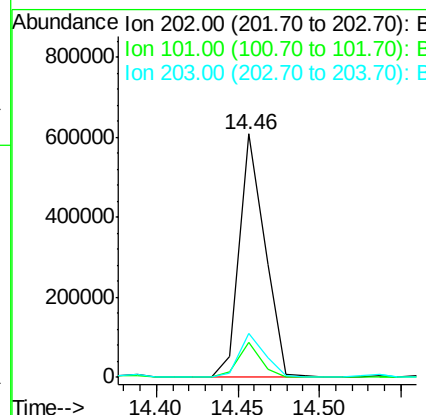
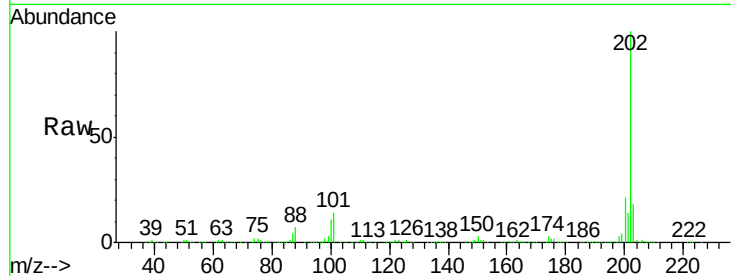
Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

Tgt Ion:	202	Resp:	653182
Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.6
203	17.9	0.0	38.4



#75

Chrysene-d12

Concen: 20.00 ng

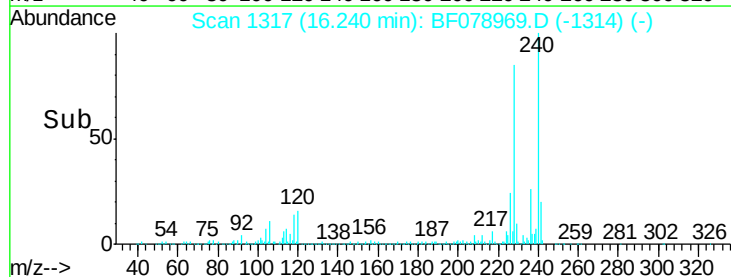
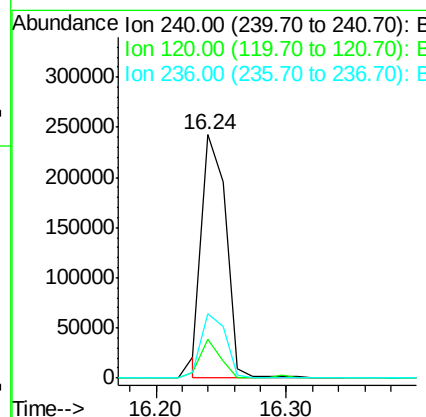
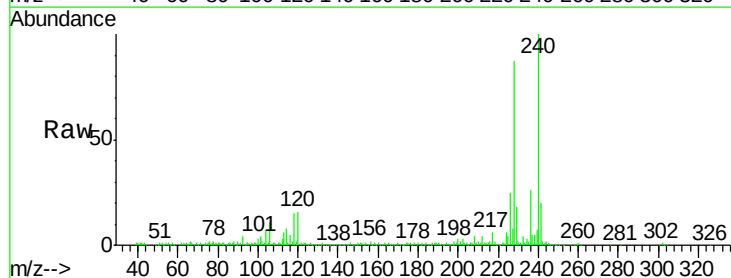
RT: 16.24 min Scan# 1317

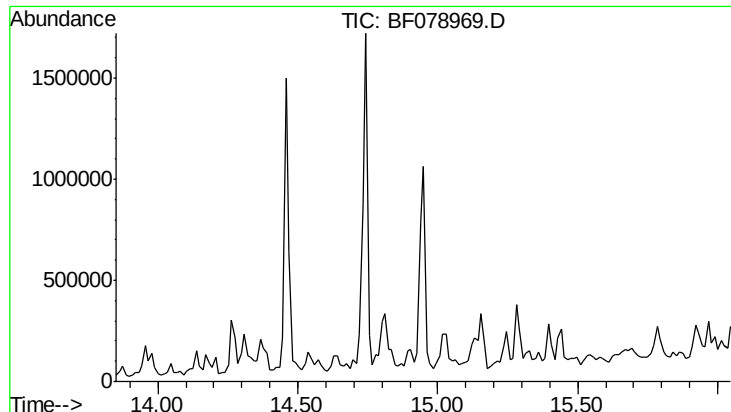
Delta R.T. -0.07 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:	240	Resp:	309168
Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.7	14.5#
236	26.4	20.2	30.4



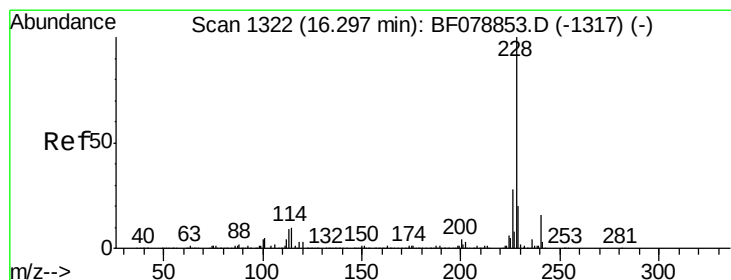
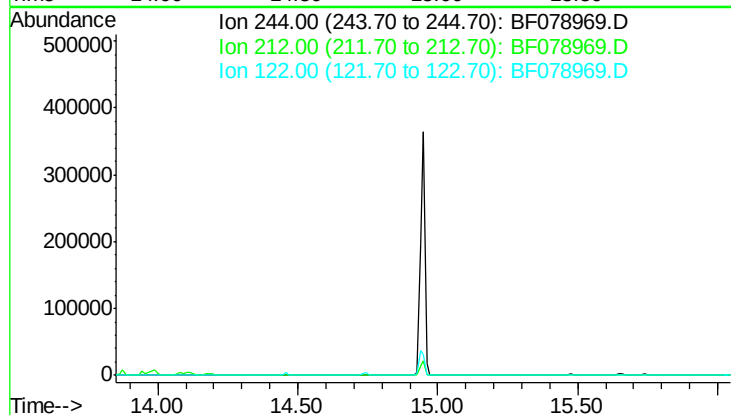


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.95 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Tgt Ion: 244

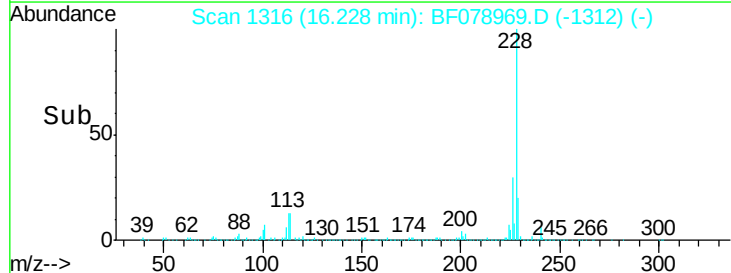
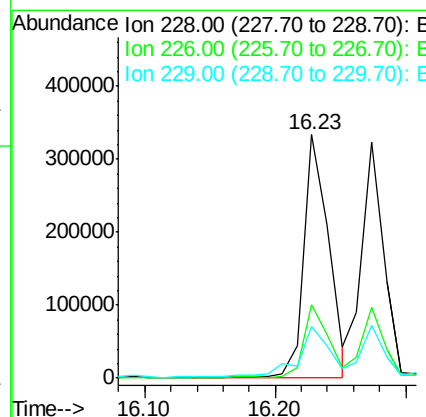
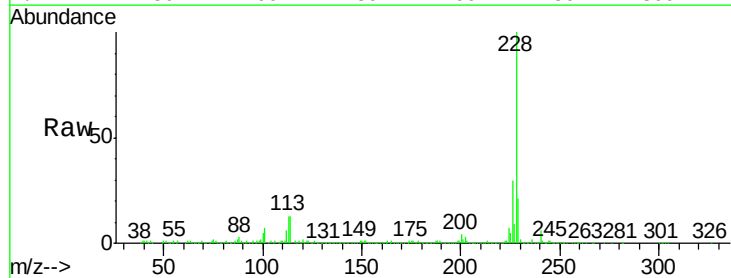
Sig	Exp Ratio
244	100
212	7.0
122	12.9

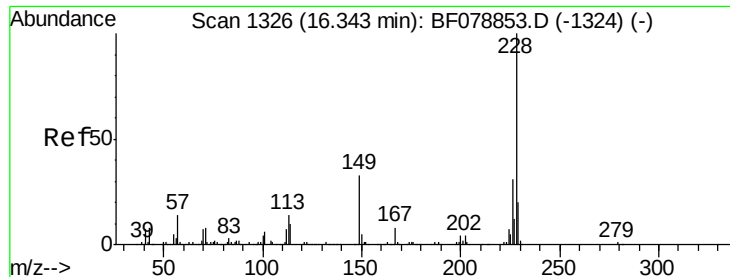


#80
 Benzo(a)anthracene
 Concen: 25.83 ng
 RT: 16.23 min Scan# 1316
 Delta R.T. -0.06 min
 Lab File: BF078969.D
 Acq: 6 May 2015 19:25

Tgt Ion: 228 Resp: 437249

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	21.3	15.9	23.9





#82

Chrysene

Concen: 23.13 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

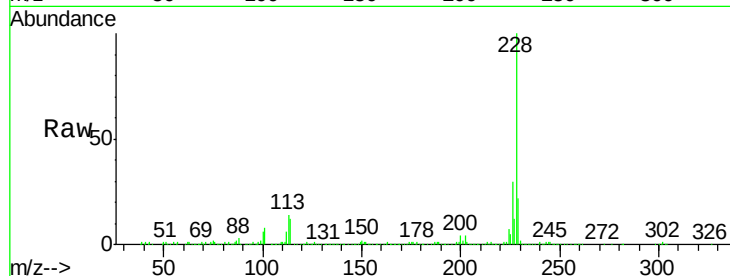
Tgt Ion:228 Resp: 376685

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

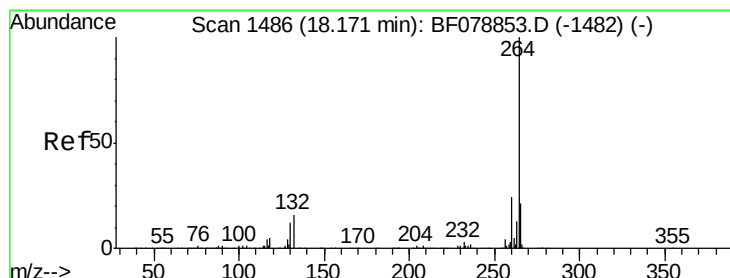
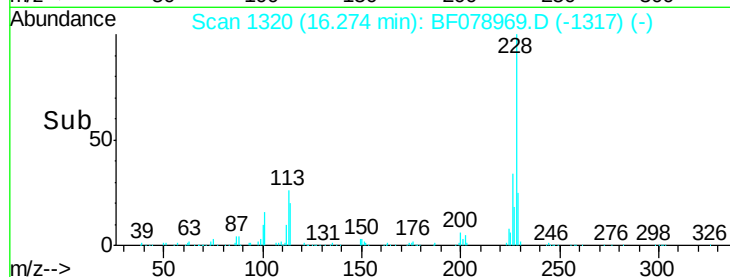
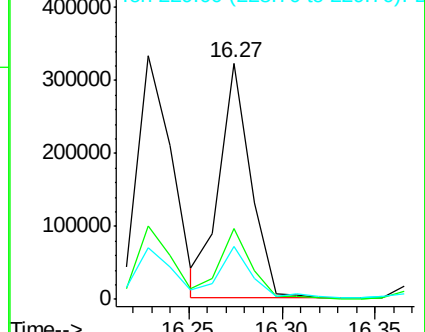
229 22.4 16.0 24.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1470

Delta R.T. -0.24 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

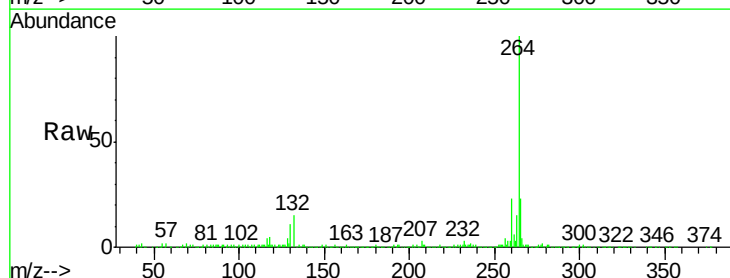
Tgt Ion:264 Resp: 365309

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

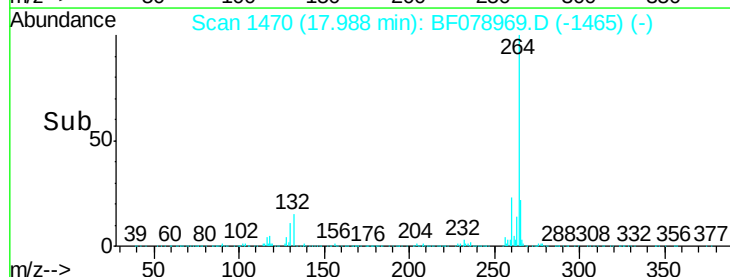
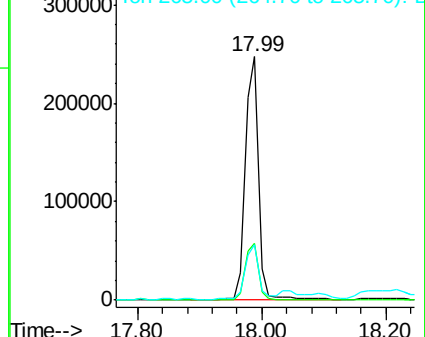
265 22.5 18.3 27.5

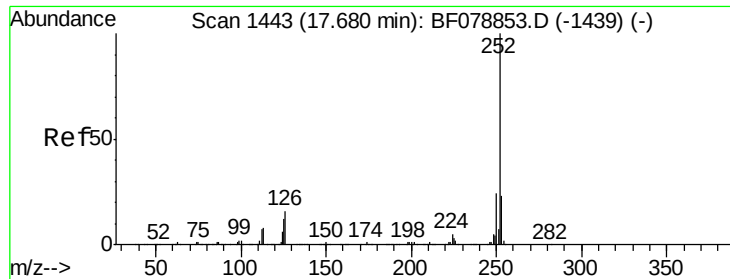


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.26 ng

RT: 17.53 min Scan# 1430

Delta R.T. -0.19 min

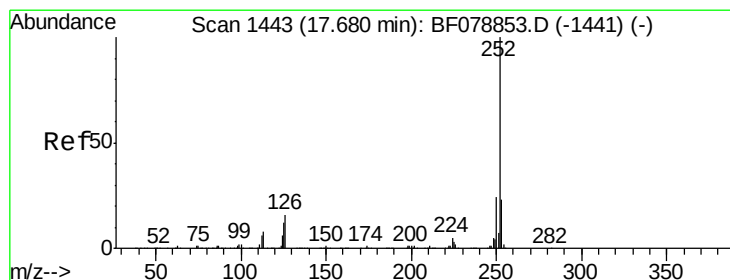
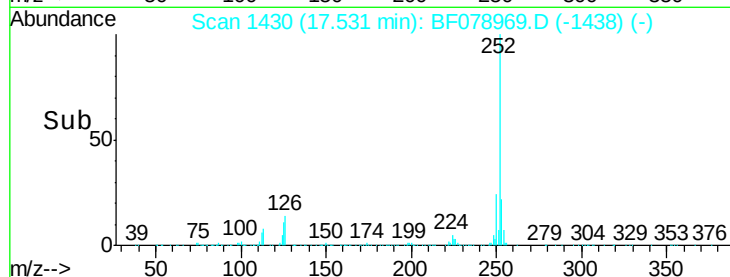
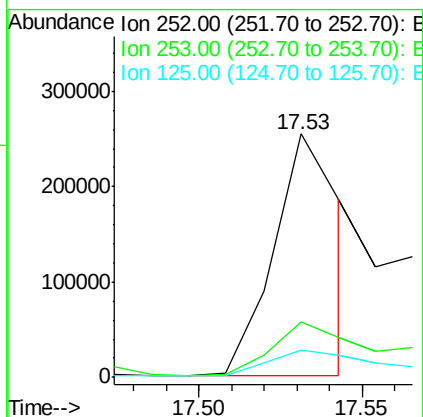
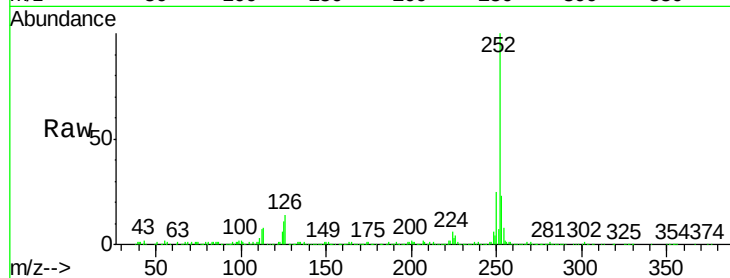
Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :
BNA_F
ClientSampleId :
GRID-2(6-12)

Tgt Ion:252 Resp: 365168

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.4	9.5	14.3



#88

Benzo(k)fluoranthene

Concen: 27.95 ng

RT: 17.53 min Scan# 1430

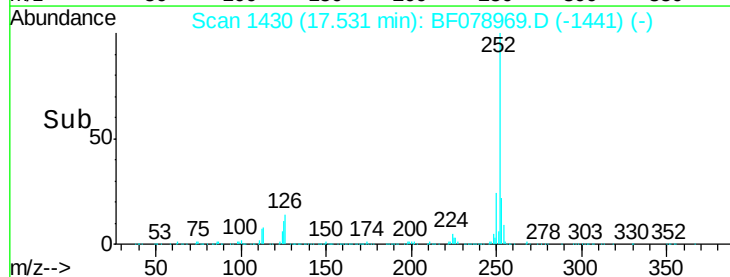
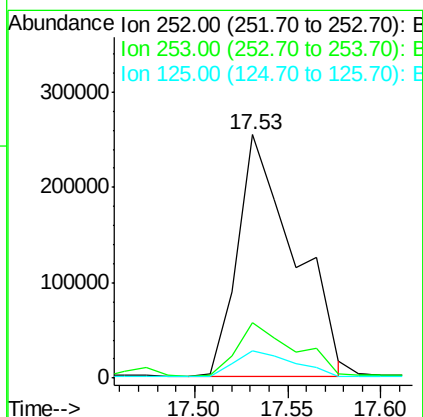
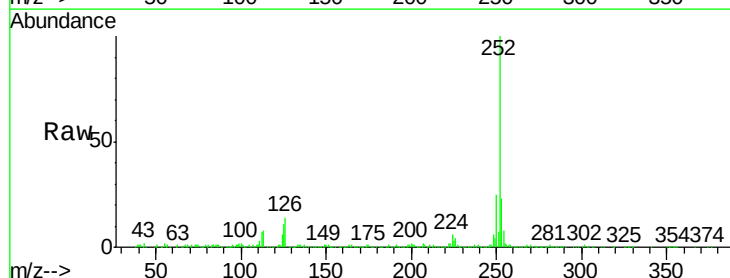
Delta R.T. -0.23 min

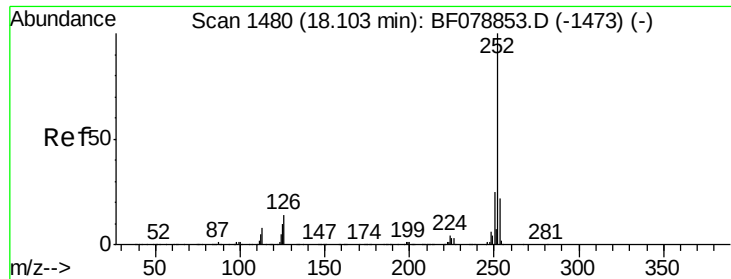
Lab File: BF078969.D

Acq: 6 May 2015 19:25

Tgt Ion:252 Resp: 541095

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.4	10.0	15.0





#89

Benzo(a)pyrene

Concen: 17.78 ng

RT: 17.92 min Scan# 1464

Delta R.T. -0.23 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

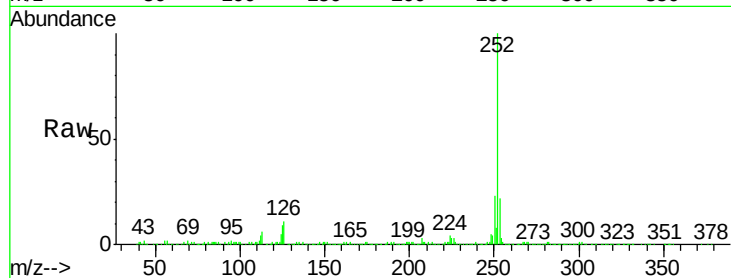
Tgt Ion:252 Resp: 327319

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

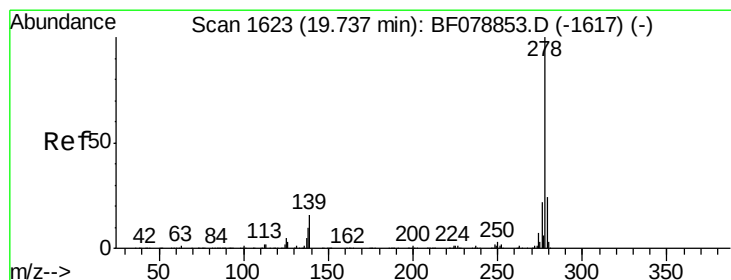
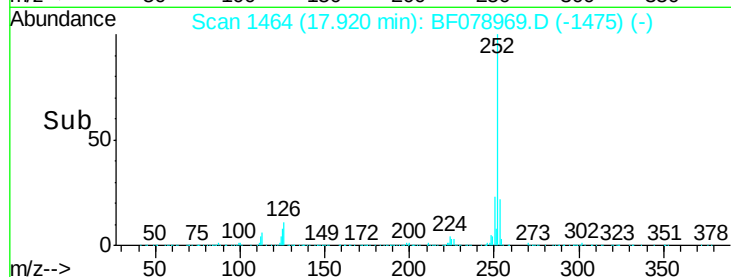
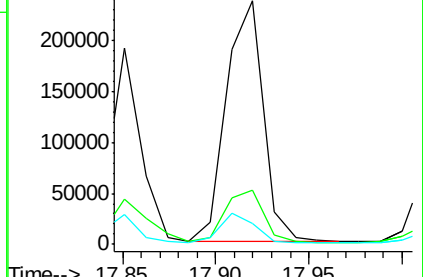
125 8.8 7.0 10.6



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: 2.43 ng

RT: 19.50 min Scan# 1602

Delta R.T. -0.30 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

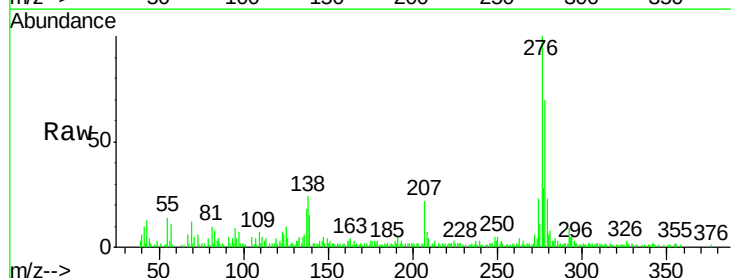
Tgt Ion:278 Resp: 47511

Ion Ratio Lower Upper

278 100

139 21.4 12.8 19.2#

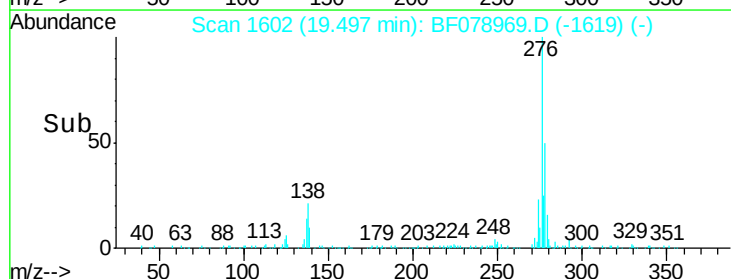
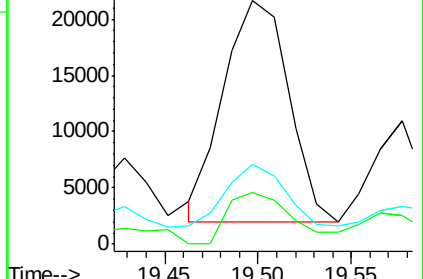
279 32.9 19.6 29.4#

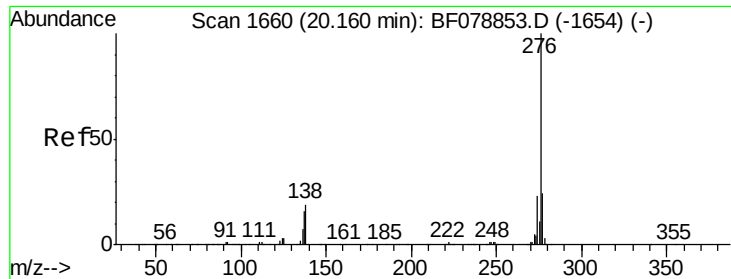


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.20 ng

RT: 19.92 min Scan# 1639

Delta R.T. -0.29 min

Lab File: BF078969.D

Acq: 6 May 2015 19:25

Instrument :

BNA_F

ClientSampleId :

GRID-2(6-12)

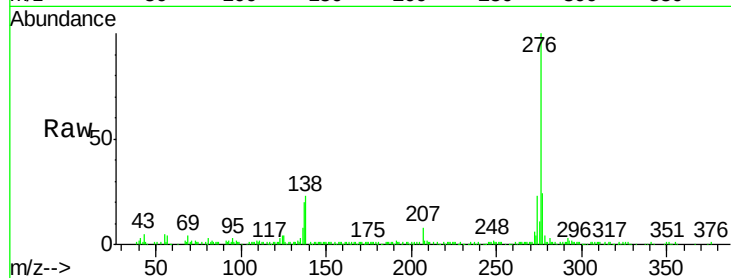
Tgt Ion: 276 Resp: 180463

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 23.2 17.4 26.0



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

