

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078956.D
 Acq On : 6 May 2015 13:14
 Operator : TP/IZ
 Sample : G2114-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(6-12)

Quant Time: May 07 01:07:24 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

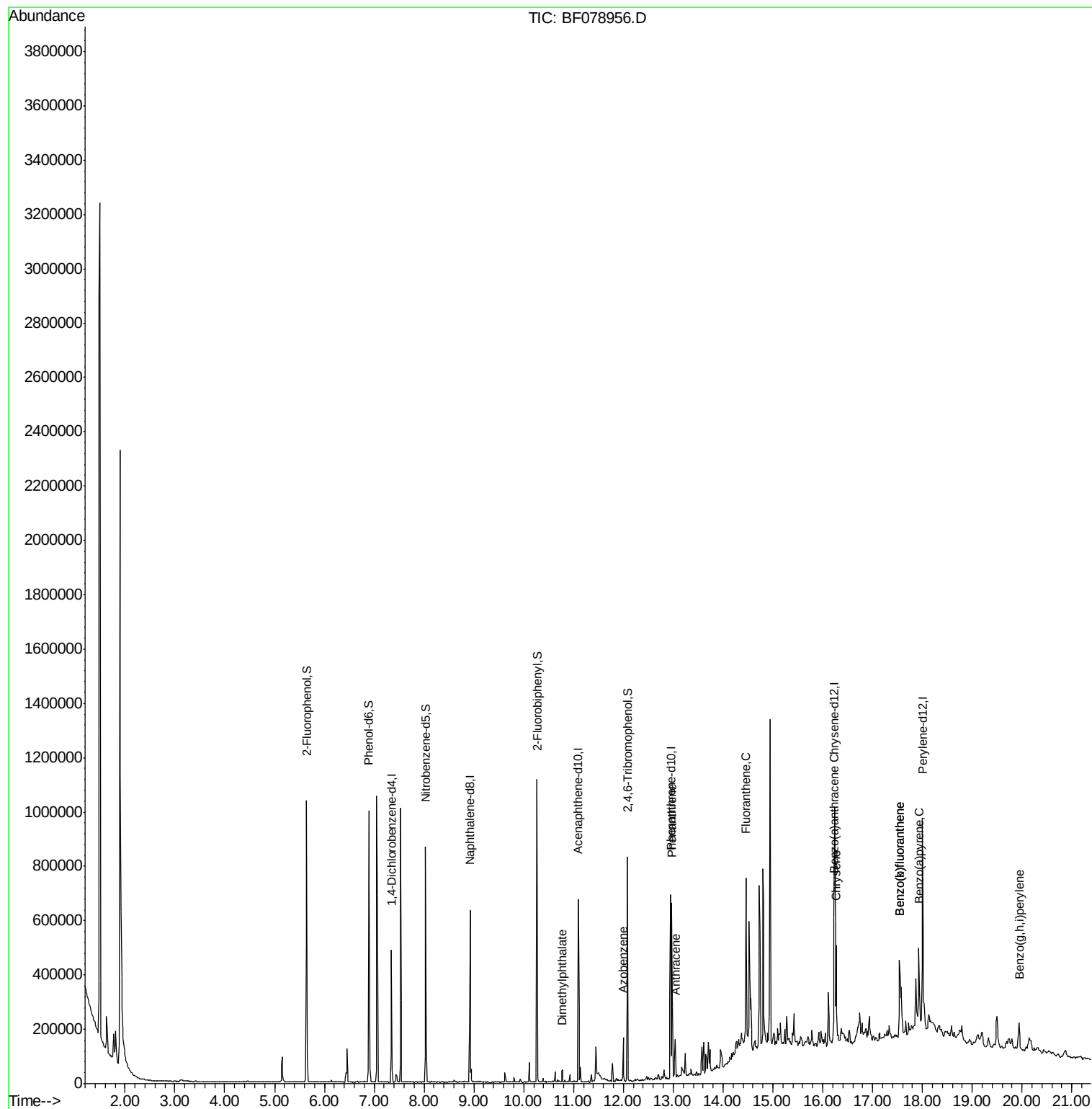
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	72240	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	301322	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	144531	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	273793	20.00	ng	0.00
75) Chrysene-d12	16.24	240	279163	20.00	ng	-0.07
86) Perylene-d12	18.00	264	337453	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	333407	79.45	ng	0.01
7) Phenol-d6	6.89	99	455777	82.16	ng	0.00
23) Nitrobenzene-d5	8.03	82	261095	49.80	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	107981	69.06	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	497003	47.91	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
49) Dimethylphthalate	10.78	163	27092	2.55	ng	Qvalue 99
62) Azobenzene	12.00	77	29700	2.87	ng	# 1
70) Phenanthrene	12.97	178	270266	17.64	ng	100
71) Anthracene	13.04	178	59304	3.95	ng	99
74) Fluoranthene	14.46	202	315355	19.76	ng	98
80) Benzo(a)anthracene	16.23	228	162934	10.66	ng	97
82) Chrysene	16.27	228	136747	9.30	ng	97
87) Benzo(b)fluoranthene	17.54	252	147825	8.00	ng	100
88) Benzo(k)fluoranthene	17.54	252	234882	13.14	ng	99
89) Benzo(a)pyrene	17.93	252	131516	7.73	ng	# 96
91) Benzo(g,h,i)perylene	19.94	276	92210	5.09	ng	98

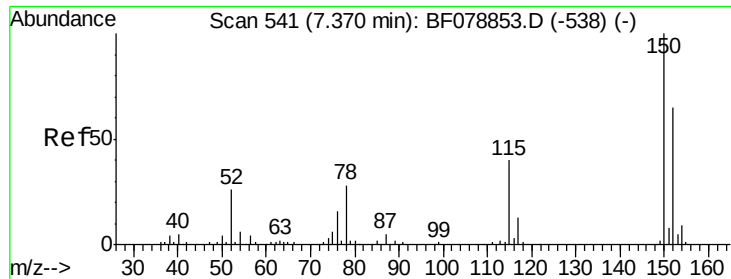
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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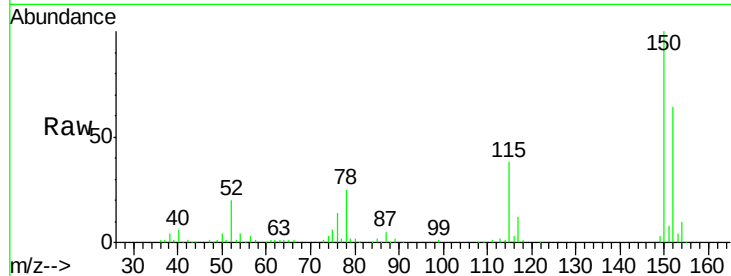




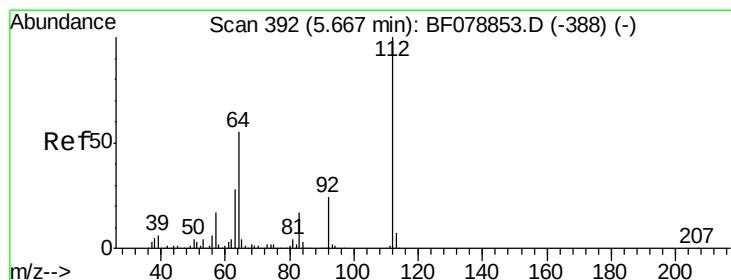
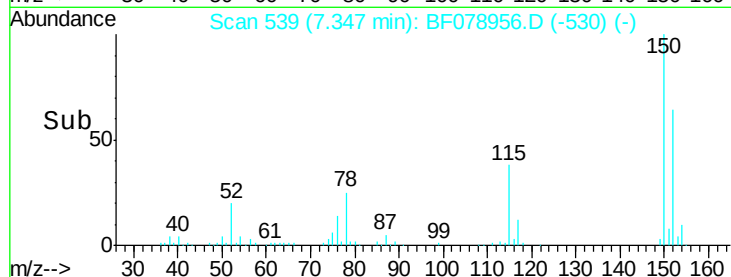
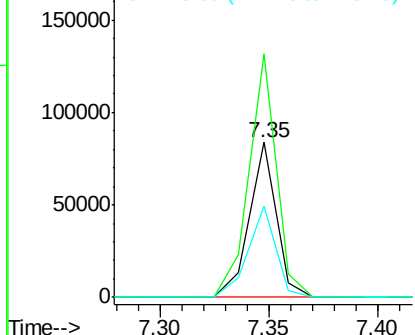
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(6-12)

Tgt Ion:152 Resp: 72240
 Ion Ratio Lower Upper
 152 100
 150 156.9 122.0 183.0
 115 59.2 46.3 69.5

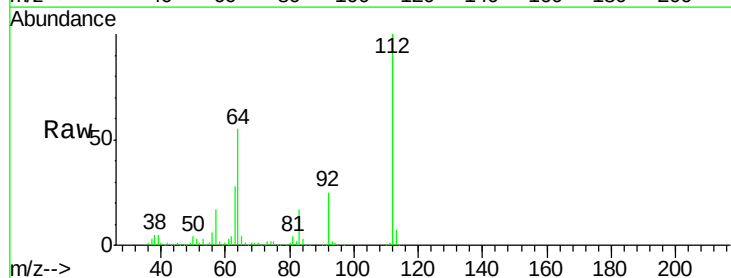


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

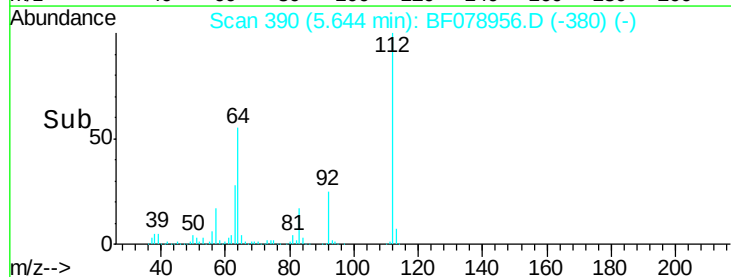
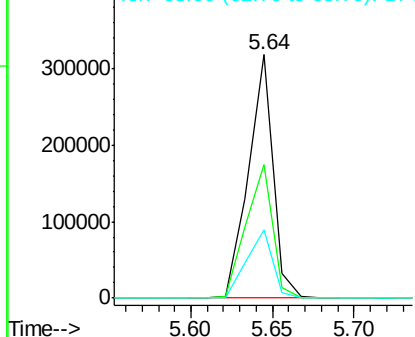


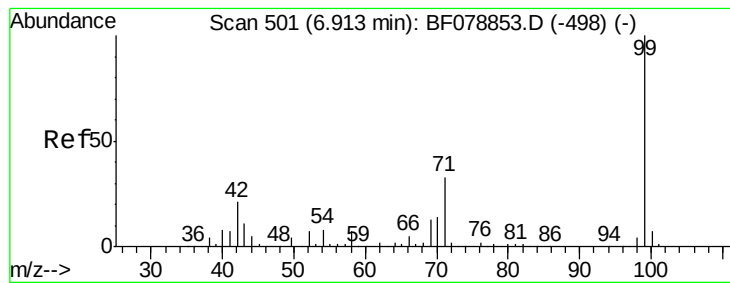
#5
 2-Fluorophenol
 Concen: 79.45 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Tgt Ion:112 Resp: 333407
 Ion Ratio Lower Upper
 112 100
 64 55.0 53.5 80.3
 63 27.9 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: 82.16 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

Instrument :

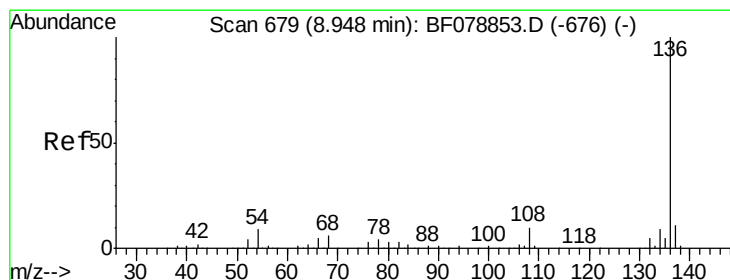
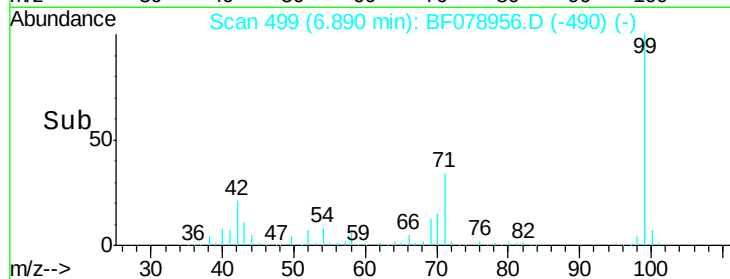
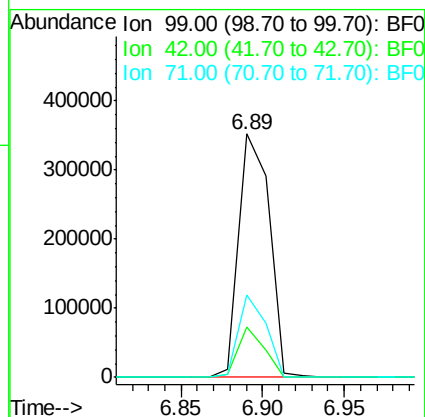
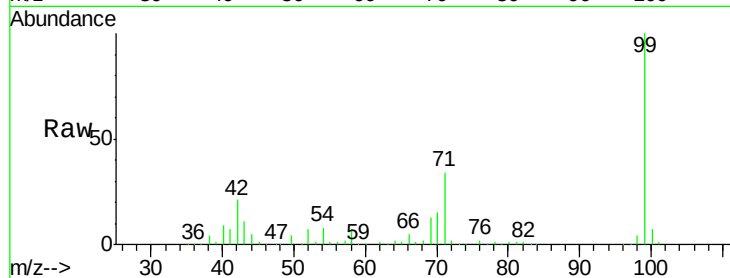
BNA_F

ClientSampleId :

GRID-3(6-12)

Tgt Ion: 99 Resp: 455777

Ion	Ratio	Lower	Upper
99	100		
42	20.9	12.8	19.2#
71	33.7	23.4	35.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

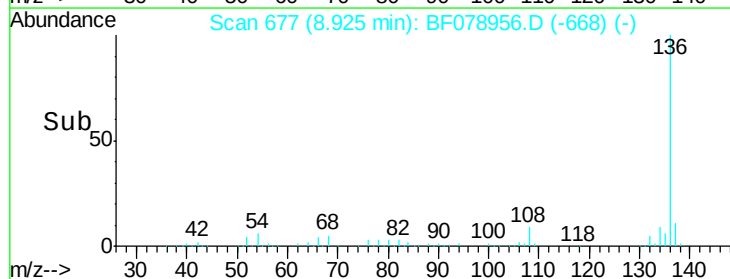
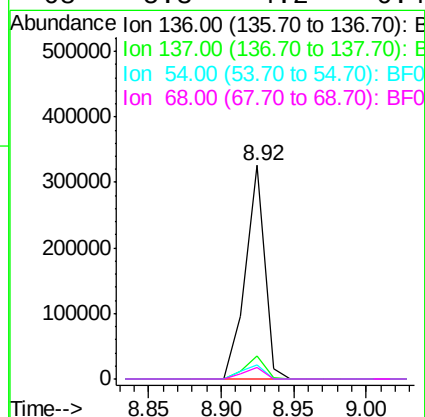
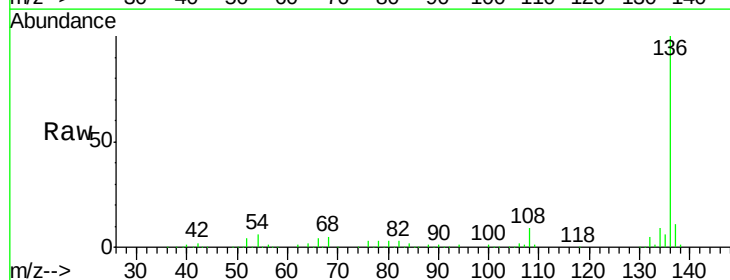
Delta R.T. 0.00 min

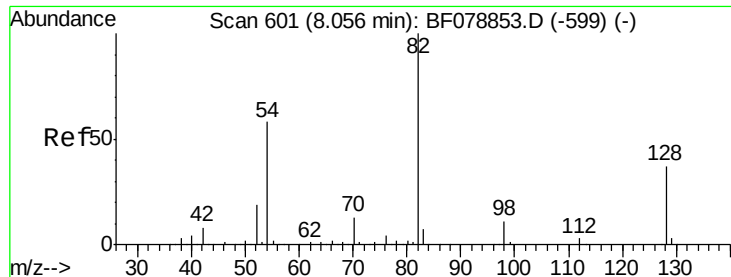
Lab File: BF078956.D

Acq: 6 May 2015 13:14

Tgt Ion: 136 Resp: 301322

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.4	5.8	8.8
68	5.3	4.2	6.4

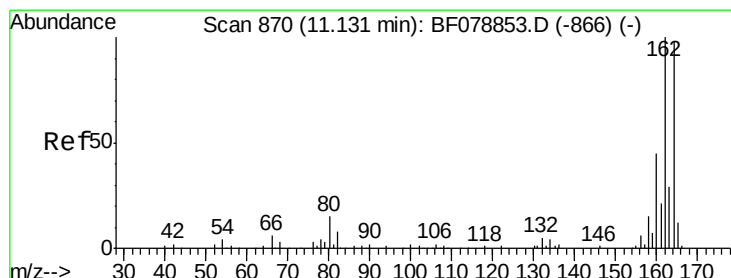
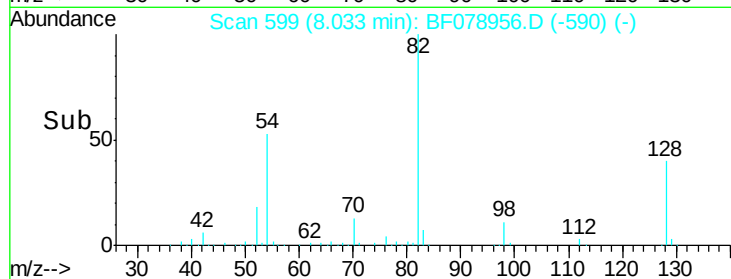
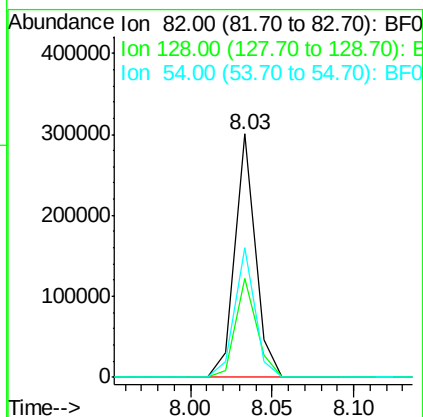
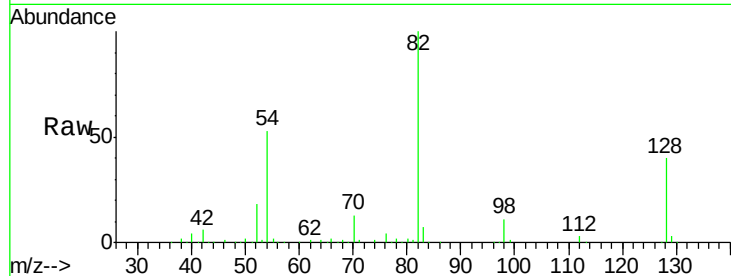




#23
 Nitrobenzene-d5
 Concen: 49.80 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

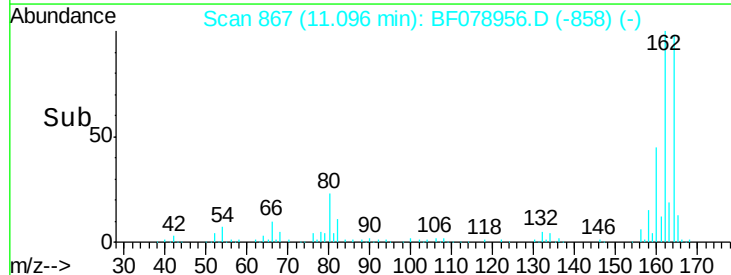
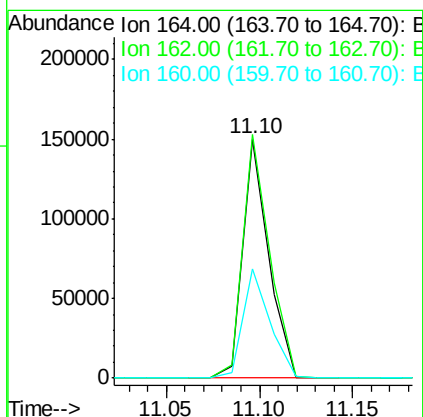
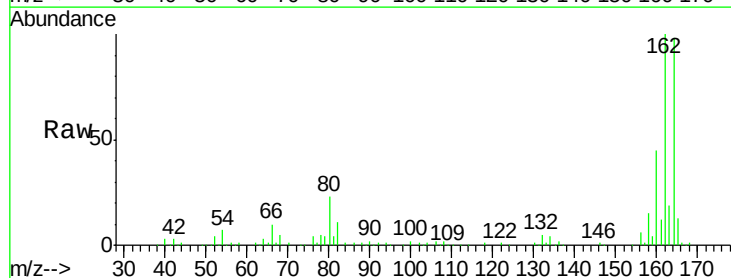
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(6-12)

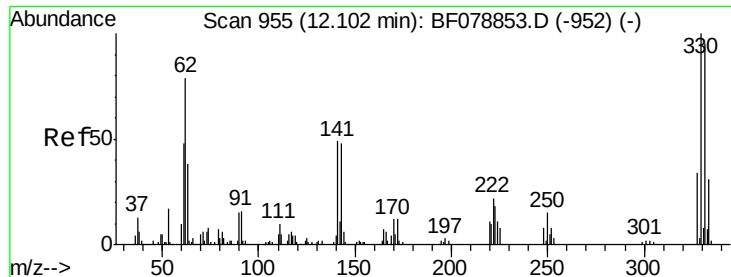
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.4	30.0	45.0
54	53.0	46.4	69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.7	124.1
160	45.9	35.8	53.8

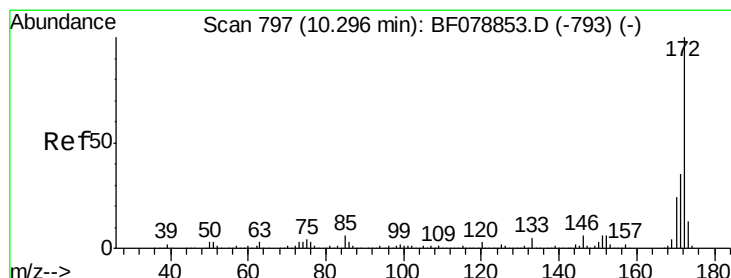
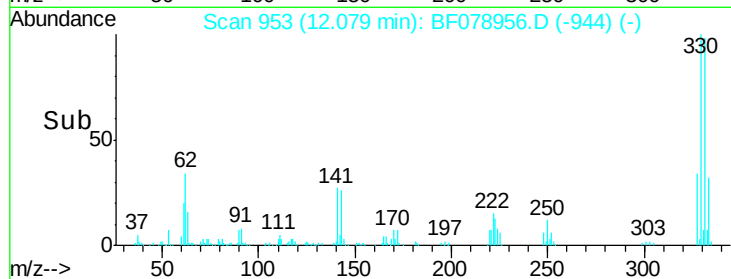
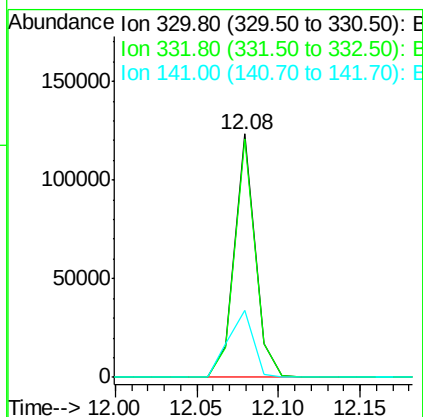
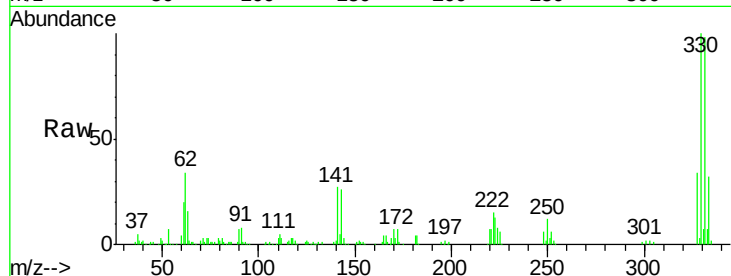




#41
 2,4,6-Tribromophenol
 Concen: 69.06 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

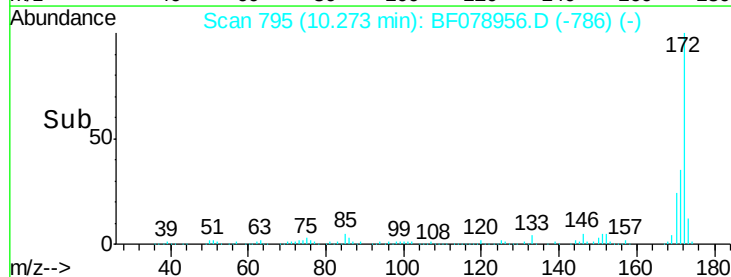
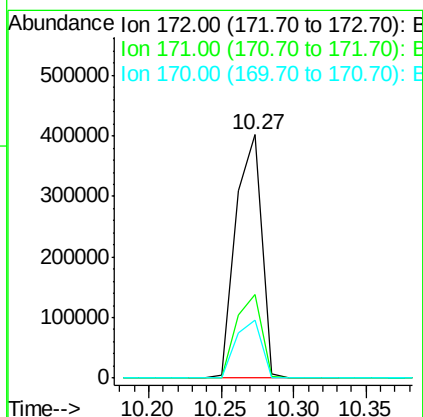
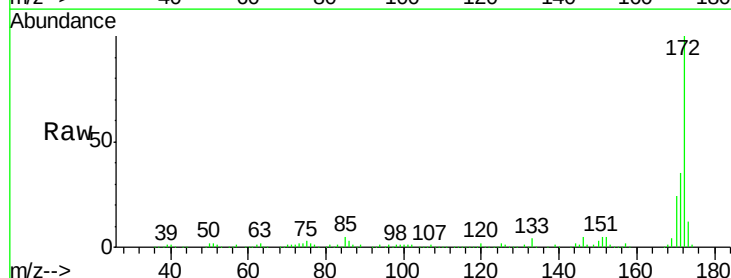
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(6-12)

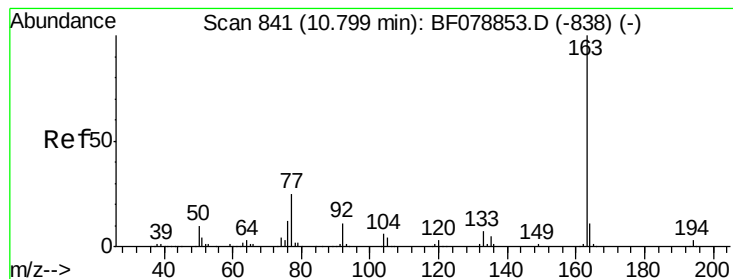
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	0.0	0.0#
141	33.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 47.91 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	23.8	19.4	29.0





#49

Dimethylphthalate

Concen: 2.55 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

Instrument :

BNA_F

ClientSampleId :

GRID-3(6-12)

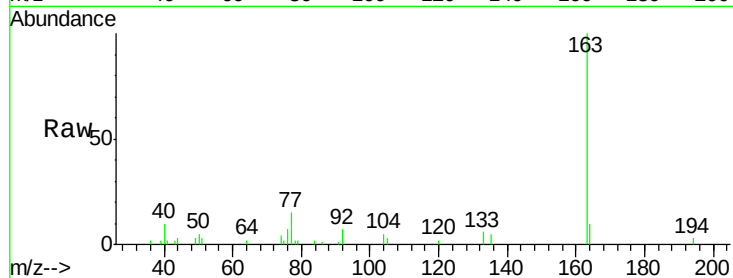
Tgt Ion:163 Resp: 27092

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

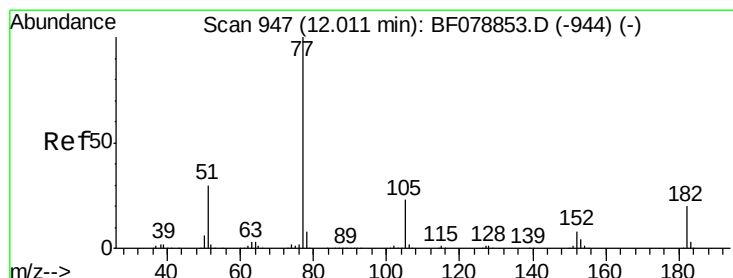
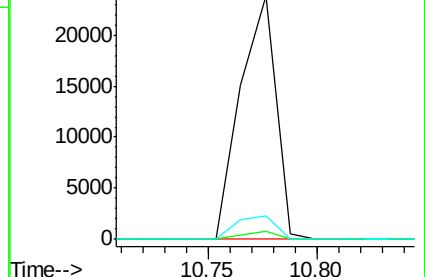
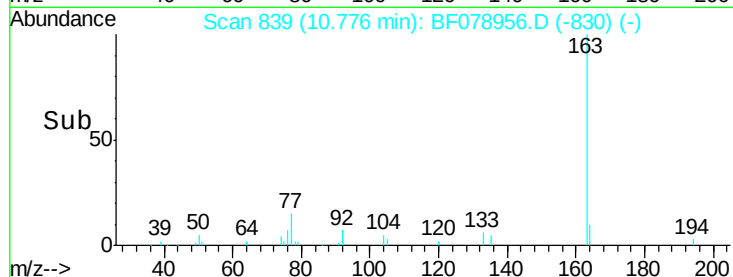
164 9.8 8.1 12.1



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



#62

Azobenzene

Concen: 2.87 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

Tgt Ion: 77 Resp: 29700

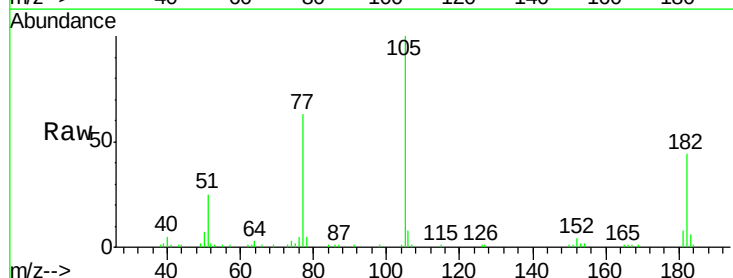
Ion Ratio Lower Upper

77 100

182 69.1 3.8 43.8#

105 158.1 3.9 43.9#

51 39.2 10.8 50.8

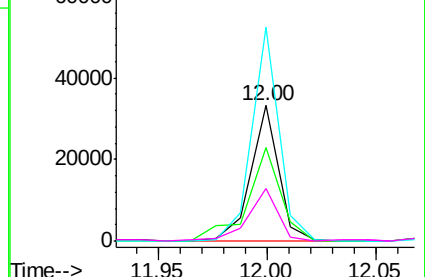
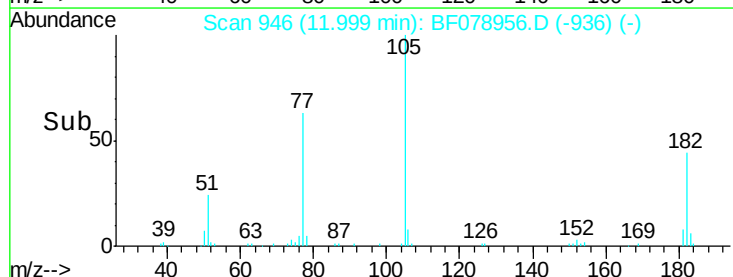


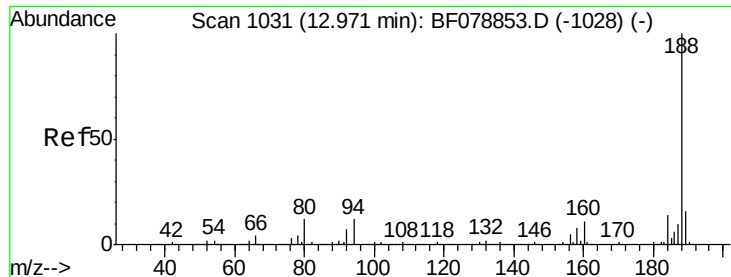
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

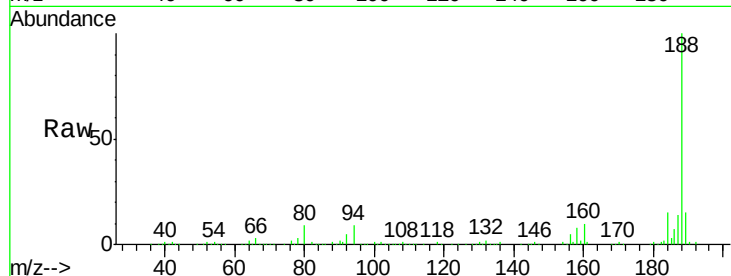




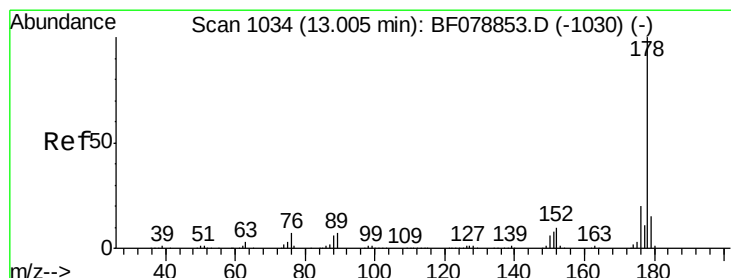
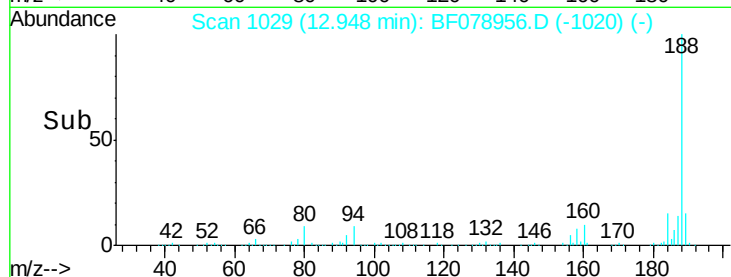
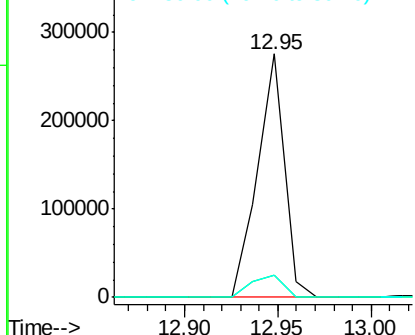
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Instrument :
BNA_F
ClientSampleId :
GRID-3(6-12)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	9.0	8.9	13.3

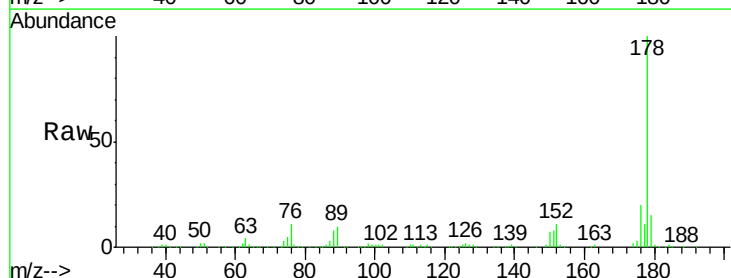


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

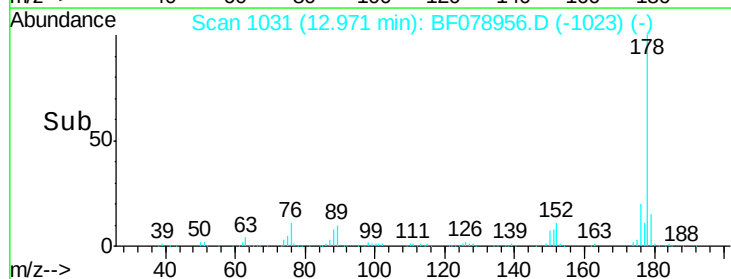
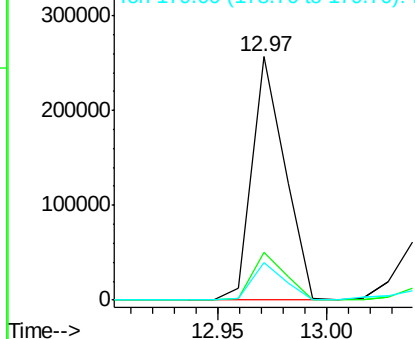


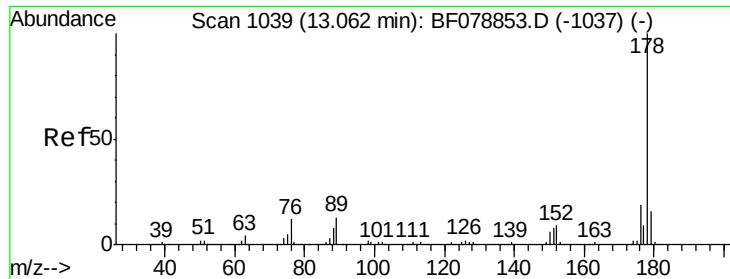
#70
Phenanthrene
Concen: 17.64 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	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

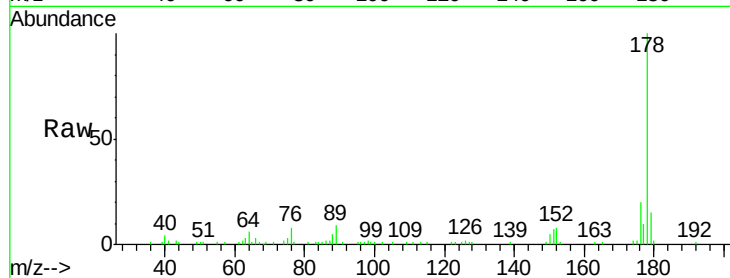




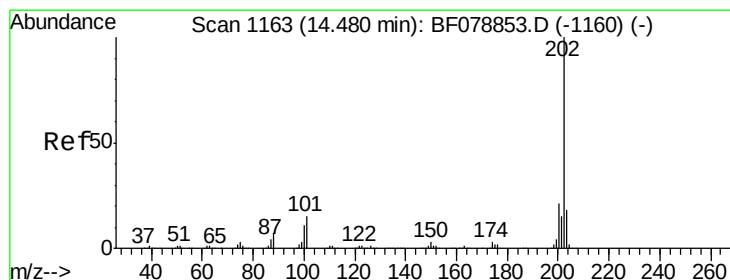
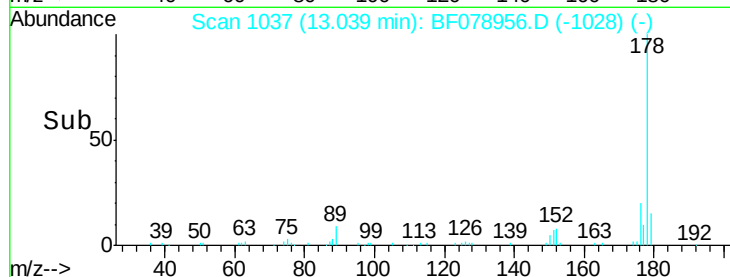
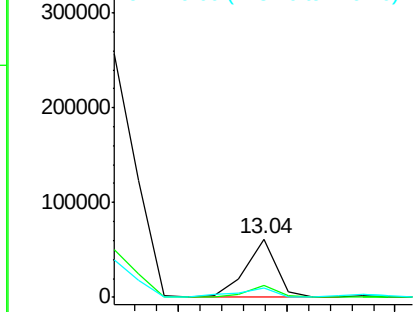
#71
 Anthracene
 Concen: 3.95 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(6-12)

Tgt Ion:178 Resp: 59304
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.5 23.3
 179 15.4 12.7 19.1

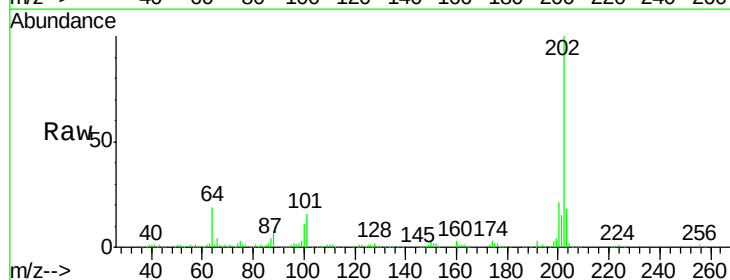


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

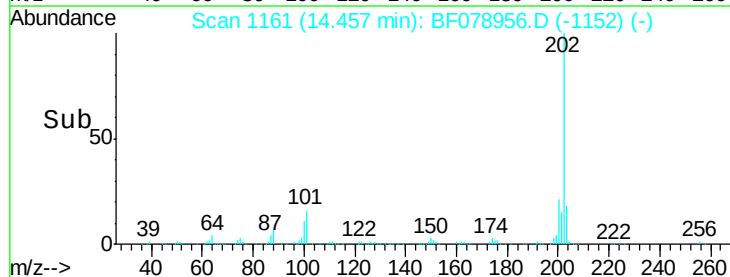
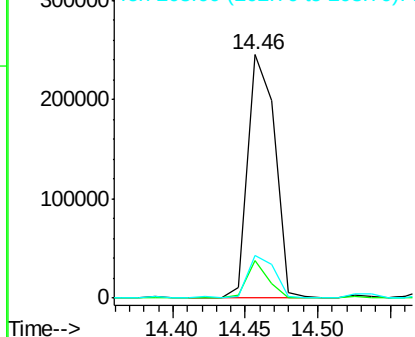


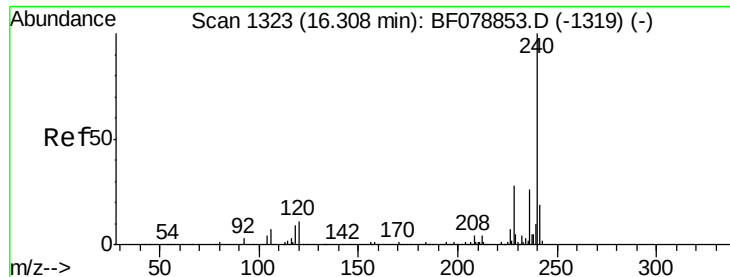
#74
 Fluoranthene
 Concen: 19.76 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078956.D
 Acq: 6 May 2015 13:14

Tgt Ion:202 Resp: 315355
 Ion Ratio Lower Upper
 202 100
 101 15.6 0.0 34.6
 203 17.7 0.0 38.4



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: 16.24 min Scan# 1317

Delta R.T. -0.07 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

Instrument :

BNA_F

ClientSampleId :

GRID-3(6-12)

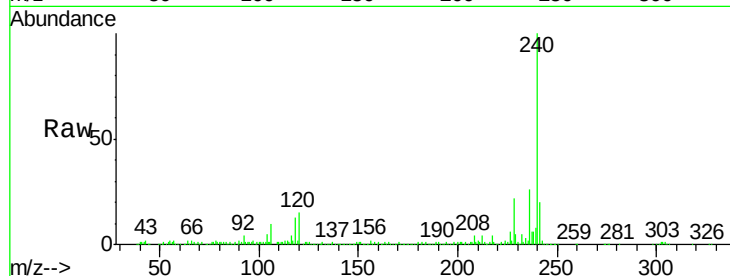
Tgt Ion: 240 Resp: 279163

Ion Ratio Lower Upper

240 100

120 15.3 9.7 14.5#

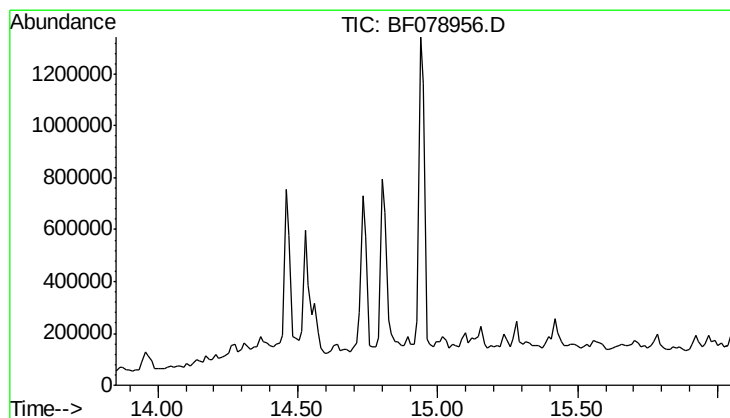
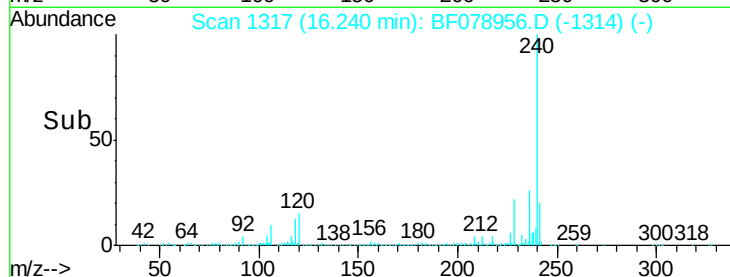
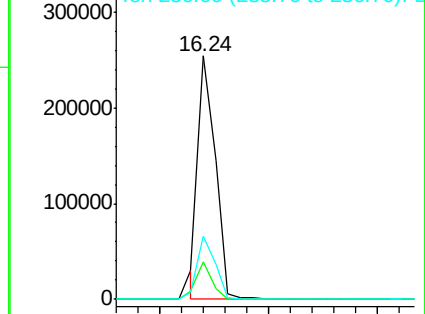
236 25.7 20.2 30.4



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



#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.95 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

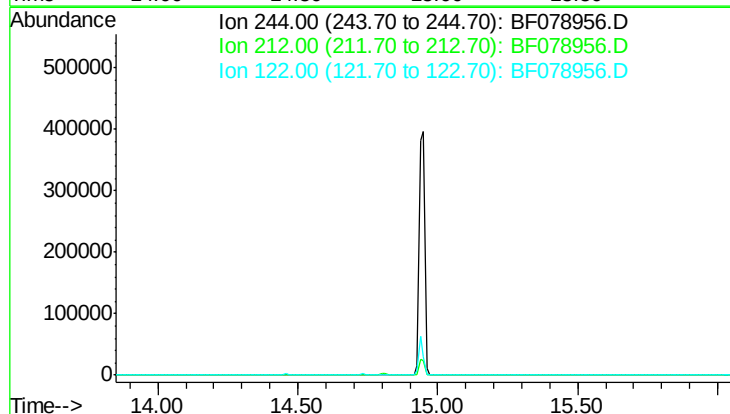
Tgt Ion: 244

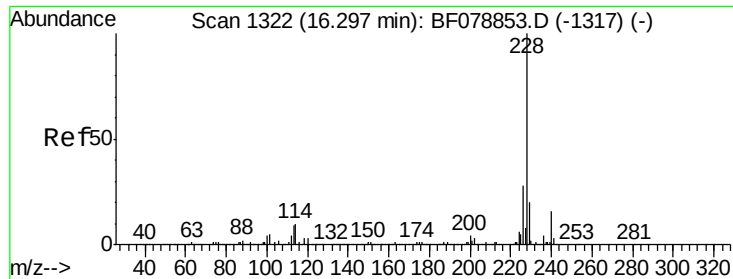
Sig Exp Ratio

244 100

212 7.0

122 12.9





#80

Benzo(a)anthracene

Concen: 10.66 ng

RT: 16.23 min Scan# 1316

Delta R.T. -0.06 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

Instrument :

BNA_F

ClientSampleId :

GRID-3(6-12)

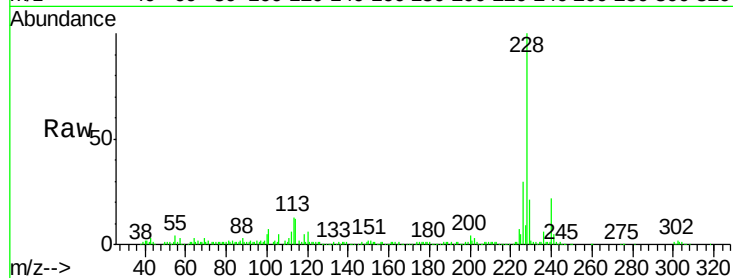
Tgt Ion:228 Resp: 162934

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

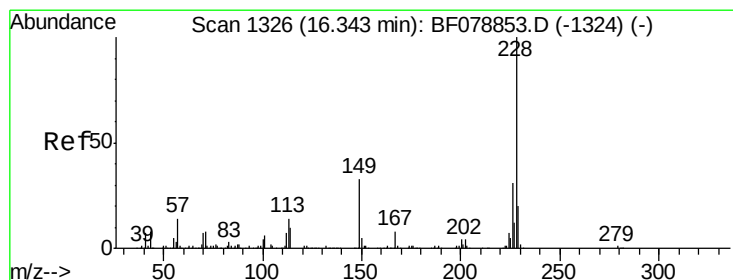
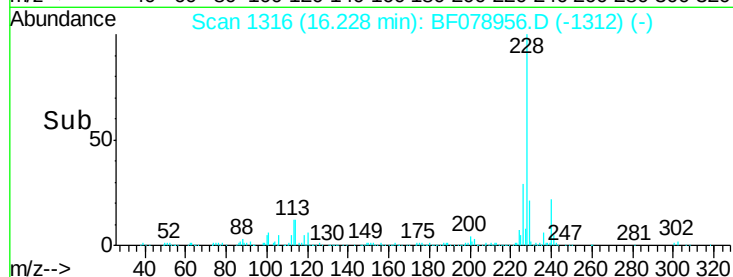
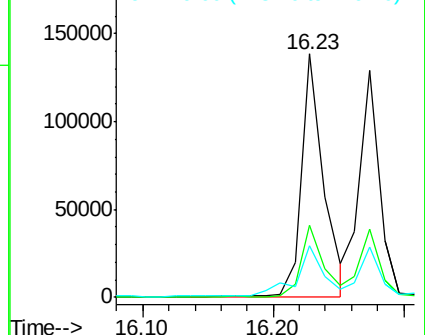
229 21.0 15.9 23.9



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: 9.30 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF078956.D

Acq: 6 May 2015 13:14

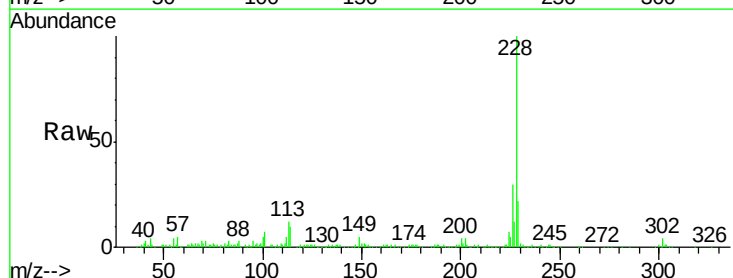
Tgt Ion:228 Resp: 136747

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

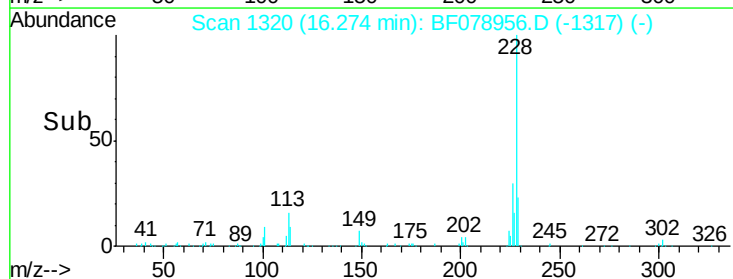
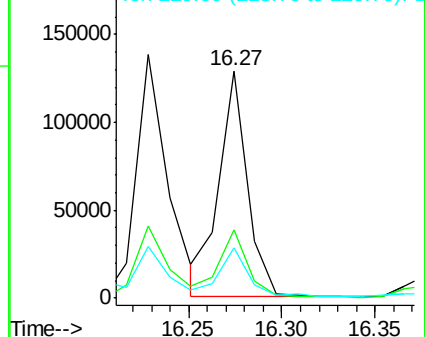
229 22.2 16.0 24.0

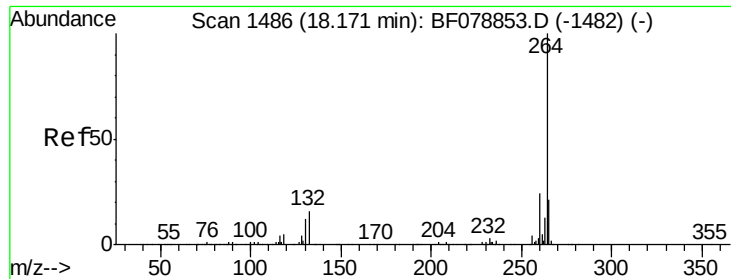


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

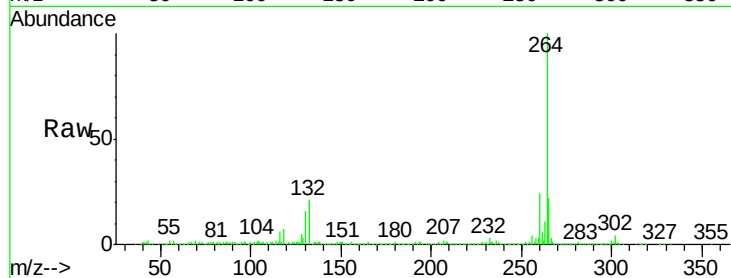




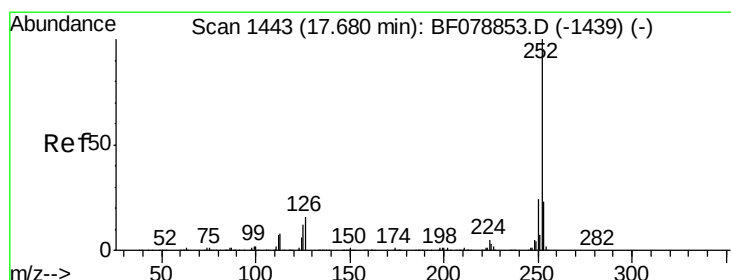
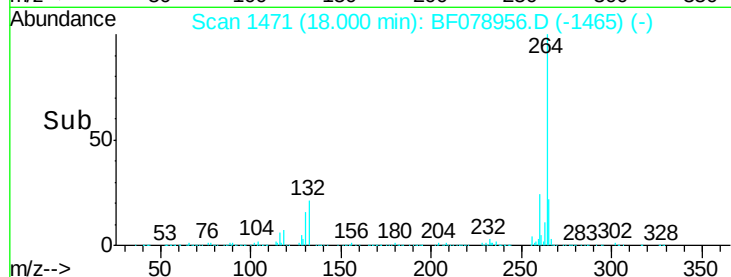
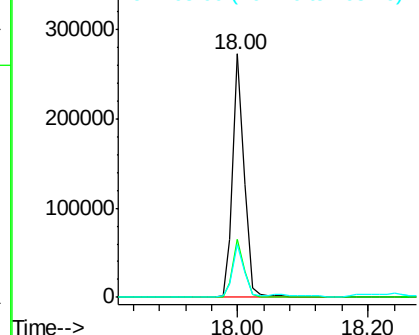
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.23 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Instrument :
BNA_F
ClientSampleId :
GRID-3(6-12)

Tgt Ion: 264 Resp: 337453
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.7 18.3 27.5

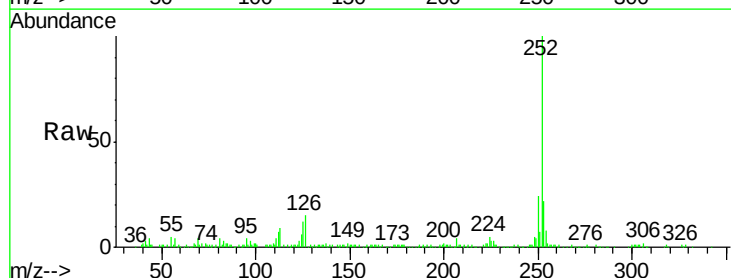


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

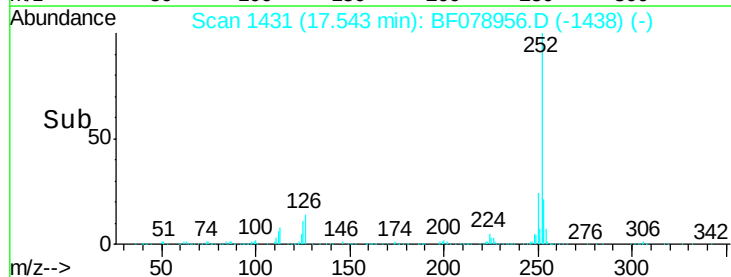
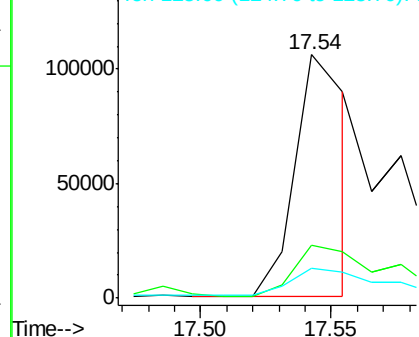


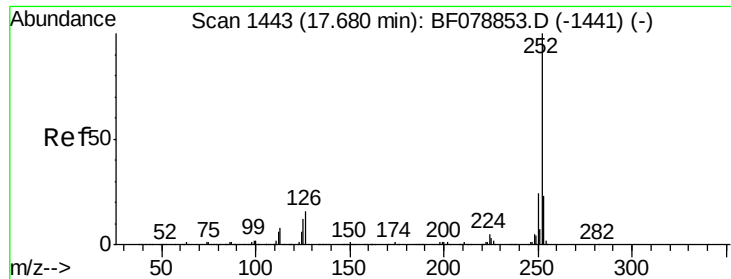
#87
Benzo(b)fluoranthene
Concen: 8.00 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.18 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Tgt Ion: 252 Resp: 147825
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 12.0 9.5 14.3



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

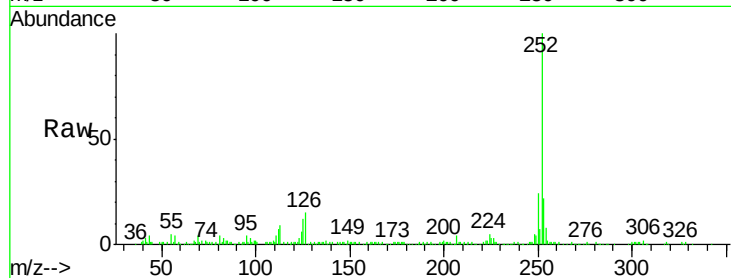




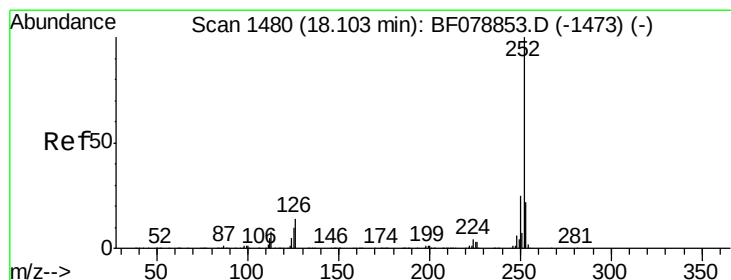
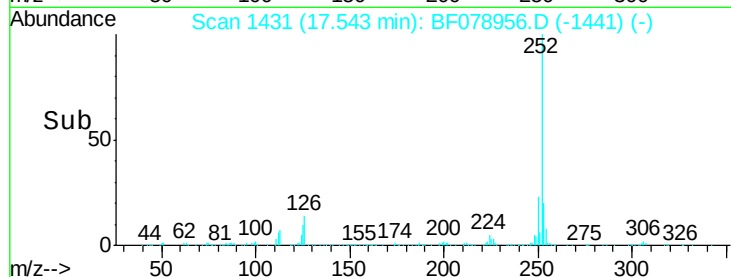
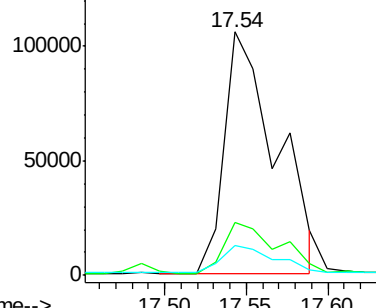
#88
Benzo(k)fluoranthene
Concen: 13.14 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.22 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Instrument :
BNA_F
ClientSampleId :
GRID-3(6-12)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	12.0	10.0	15.0

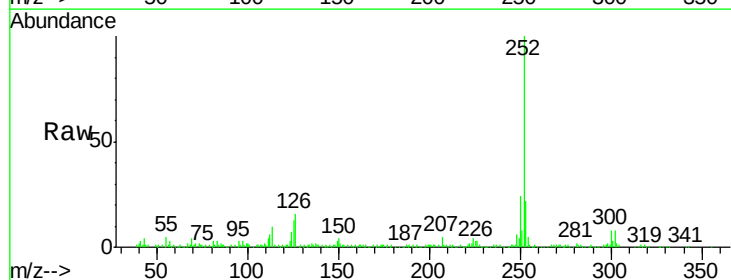


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

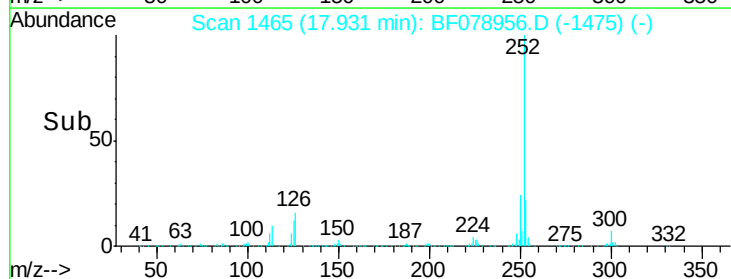
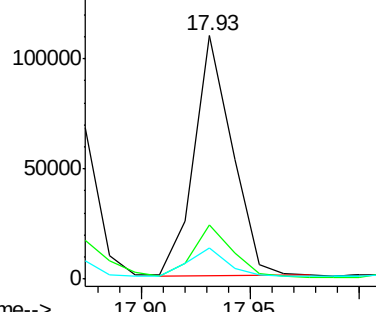


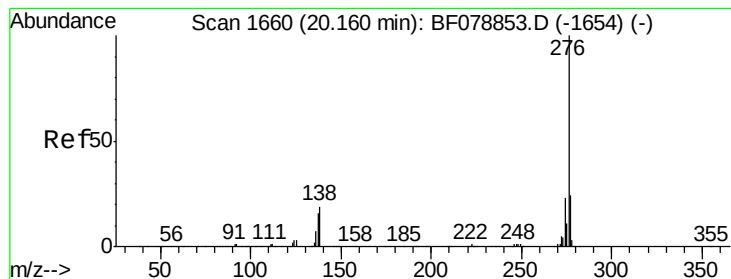
#89
Benzo(a)pyrene
Concen: 7.73 ng
RT: 17.93 min Scan# 1465
Delta R.T. -0.22 min
Lab File: BF078956.D
Acq: 6 May 2015 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	12.7	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





#91

Benzo(g,h,i)perylene

Concen: 5.09 ng

RT: 19.94 min Scan# 1641

Delta R.T. -0.26 min

Lab File: BF078956.D

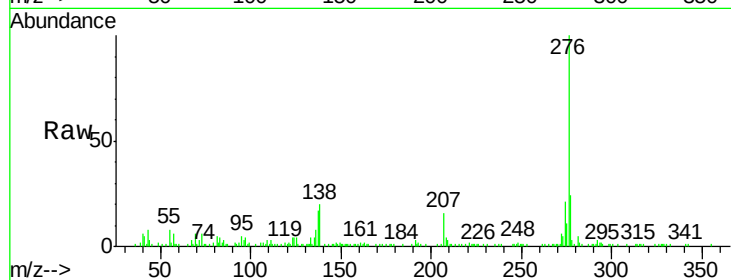
Acq: 6 May 2015 13:14

Instrument :

BNA_F

ClientSampleId :

GRID-3(6-12)



Tgt Ion: 276 Resp: 92210

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 20.3 17.4 26.0

