

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077577.D
 Acq On : 4 Mar 2015 7:11
 Operator : TP/IZ
 Sample : G1332-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 04 08:10:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 17:05:52 2015
 Response via : Initial Calibration

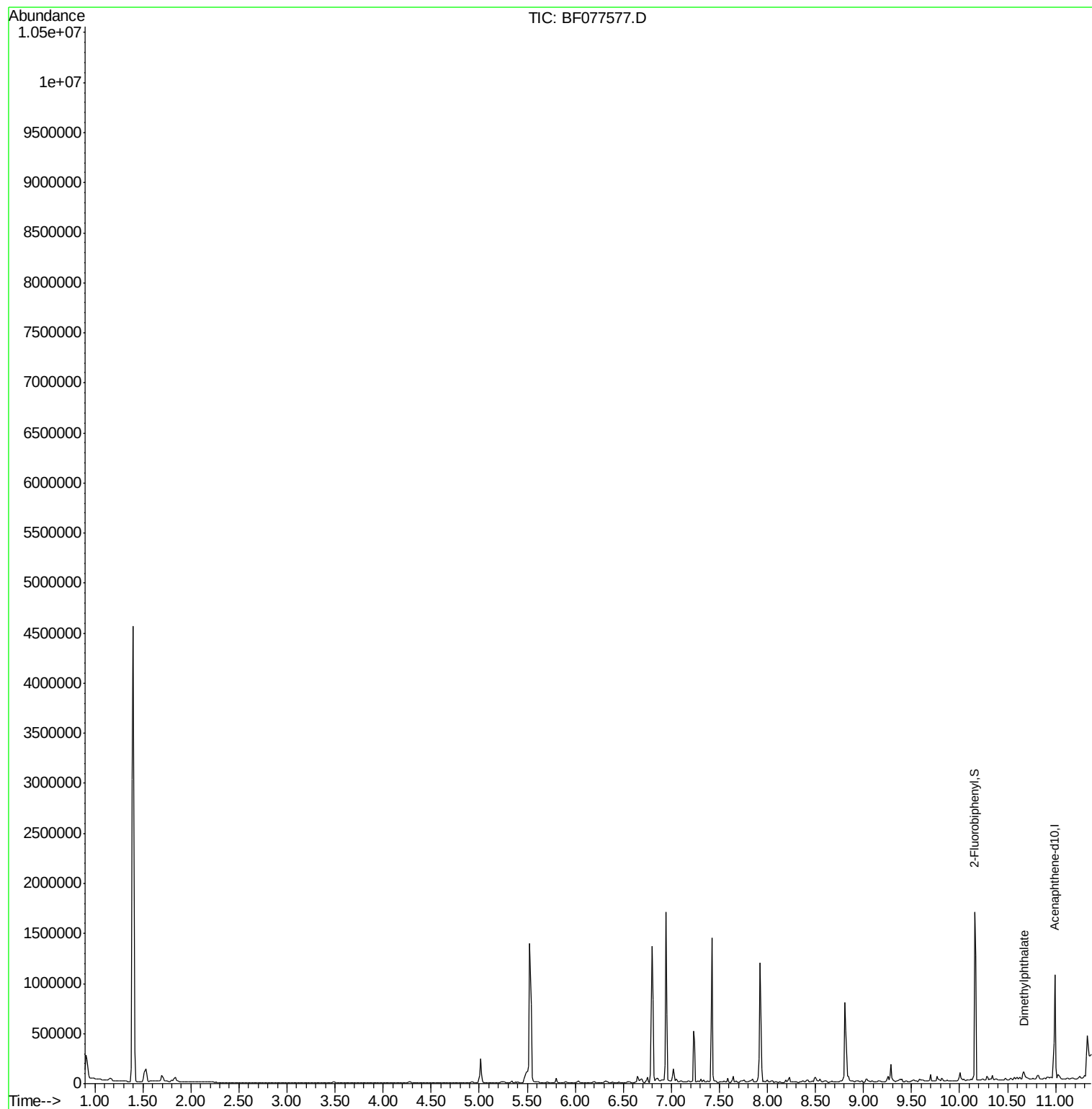
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.30
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.88
38) Acenaphthene-d10	10.99	164	170901	20.00	ng	-0.07
63) Phenanthrene-d10	12.83	188	416737	20.00	ng	-0.07
75) Chrysene-d12	16.13	240	425492	20.00	ng	-0.09
86) Perylene-d12	17.87	264	394700	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	460133	0.00	ng	-0.06
7) Phenol-d6	6.80	99	568467	0.00	ng	-0.06
23) Nitrobenzene-d5	7.93	82	306844	0.00	ng	-0.07
41) 2,4,6-Tribromophenol	11.97	330	156863	95.32	ng	-0.07
44) 2-Fluorobiphenyl	10.16	172	722066	65.88	ng	-0.07
78) Terphenyl-d14	14.83	244	753406	41.39	ng	-0.07
Target Compounds						
49) Dimethylphthalate	10.67	163	38672	3.22	ng	# 96
64) 4,6-Dinitro-2-methylphenol	11.76	198	234	3.84	ng	# 1
70) Phenanthrene	12.86	178	106096	4.39	ng	99
74) Fluoranthene	14.37	202	210589	7.98	ng	96
77) Pyrene	14.63	202	216960	8.34	ng	98
80) Benzo(a)anthracene	16.11	228	125082	5.02	ng	93
82) Chrysene	16.15	228	115160	4.92	ng	96
83) Bis(2-ethylhexyl)phthalate	16.19	149	207277	12.07	ng	# 94
87) Benzo(b)fluoranthene	17.42	252	175013	7.63	ng	# 88
88) Benzo(k)fluoranthene	17.43	252	236969	10.54	ng	# 92
89) Benzo(a)pyrene	17.80	252	111404	5.10	ng	# 89
91) Benzo(g,h,i)perylene	19.74	276	81294	3.86	ng	98

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077577.D
Acq On : 4 Mar 2015 7:11
Operator : TP/IZ
Sample : G1332-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

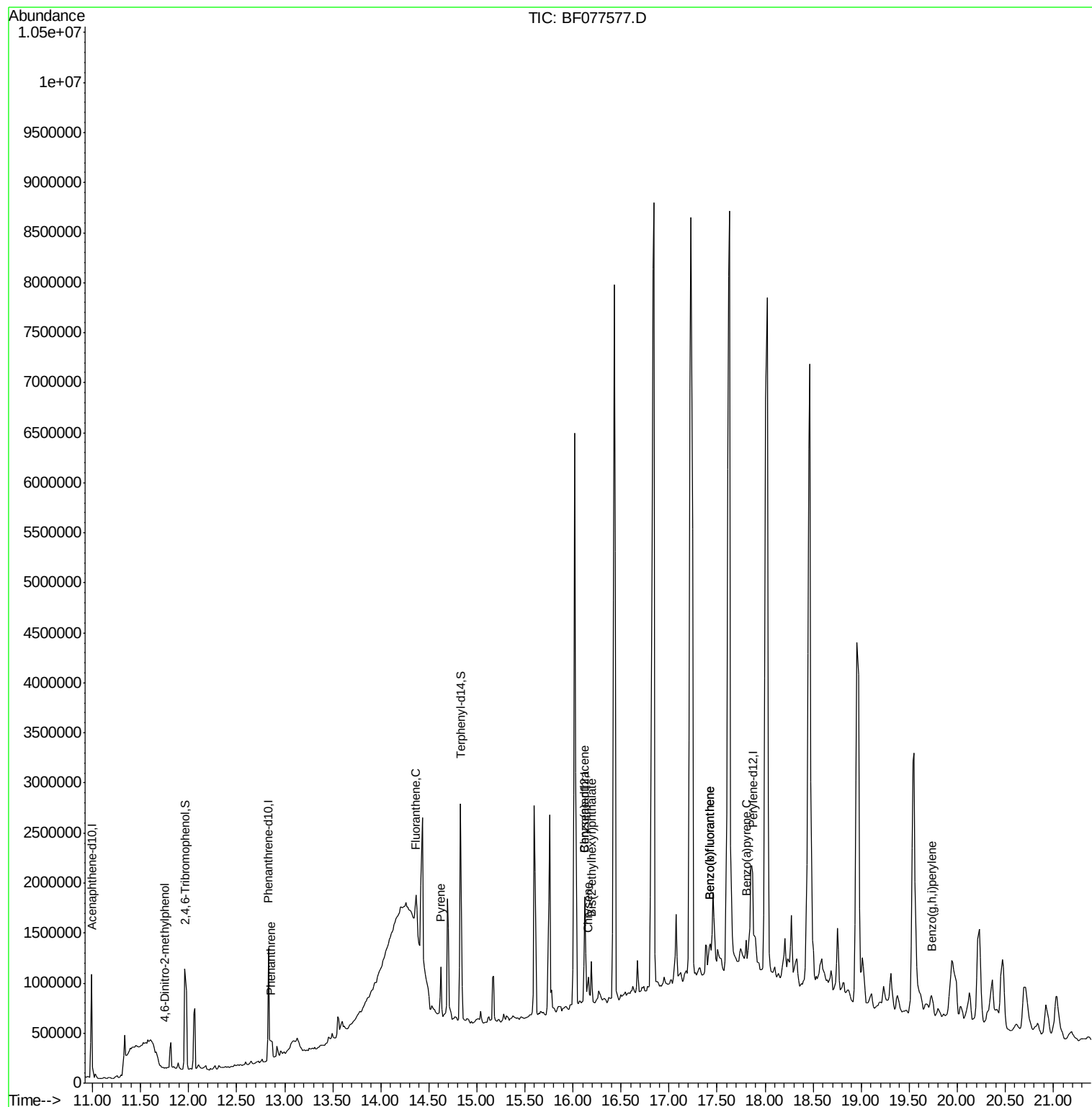
Quant Time: Mar 04 08:10:31 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 17:05:52 2015
Response via : Initial Calibration

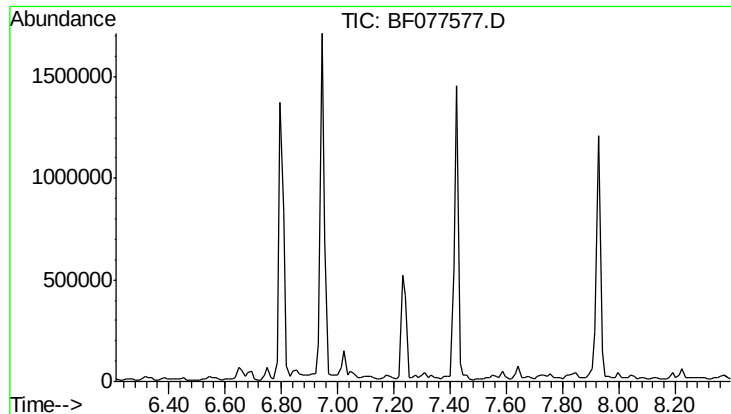


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077577.D
Acq On : 4 Mar 2015 7:11
Operator : TP/IZ
Sample : G1332-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 04 08:10:31 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 17:05:52 2015
Response via : Initial Calibration

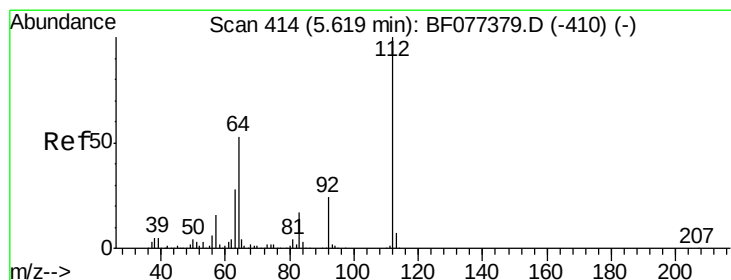
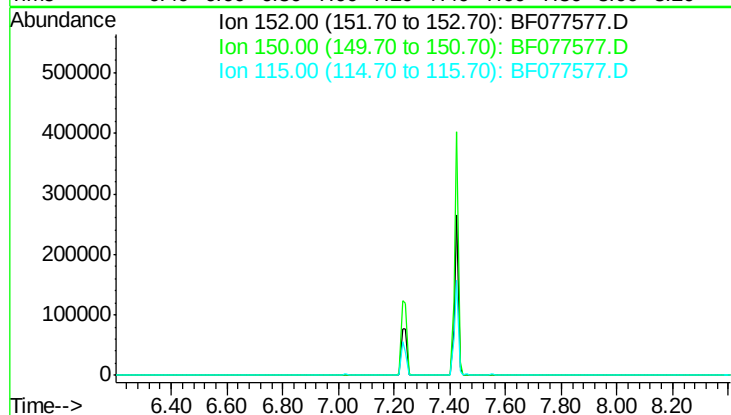




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 7.30 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

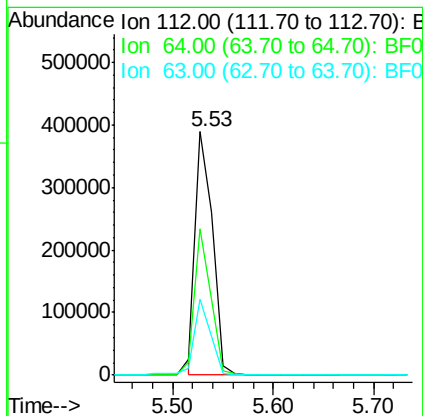
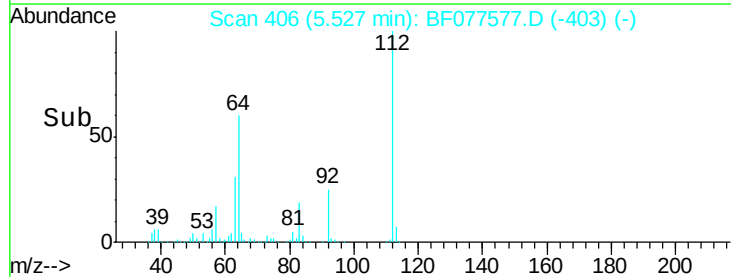
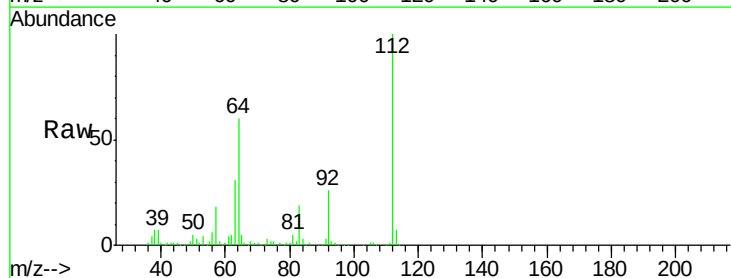
Instrument :
 BNA_F
 ClientSampleId :

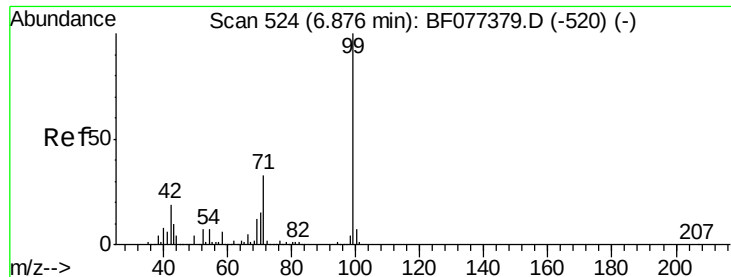
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 155.0
 115 61.8



#5
 2-Fluorophenol
 Concen: 0.00 ng
 RT: 5.53 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

Tgt Ion: 112 Resp: 460133
 Ion Ratio Lower Upper
 112 100
 64 60.4 48.5 72.7
 63 31.3 25.0 37.4





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

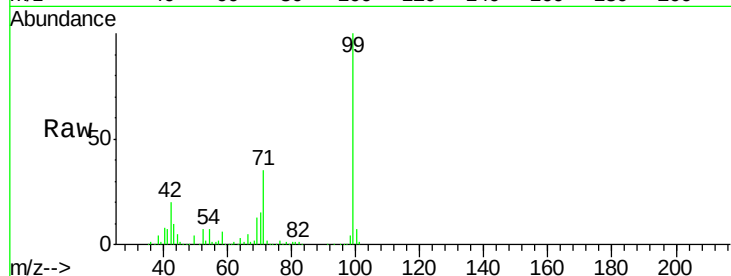
Tgt Ion: 99 Resp: 568467

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.4

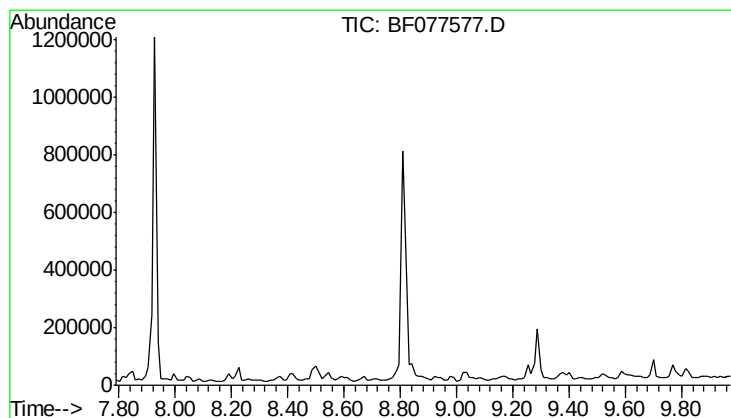
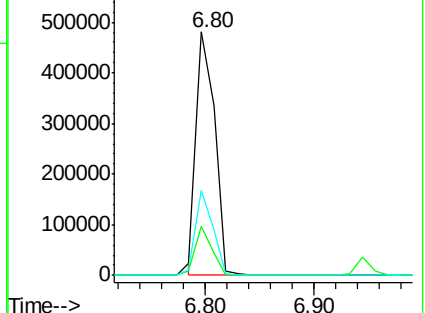
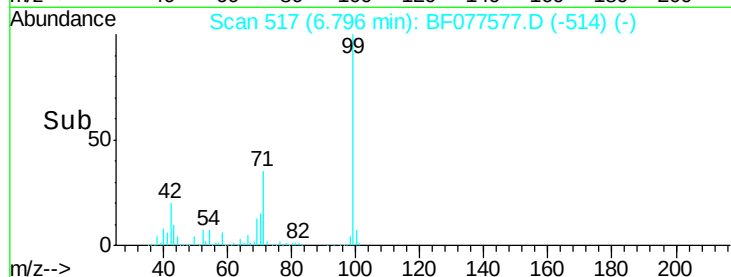
71 34.8 26.7 40.1



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: 0.00 ng

Expected RT: 8.88 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Tgt Ion: 136

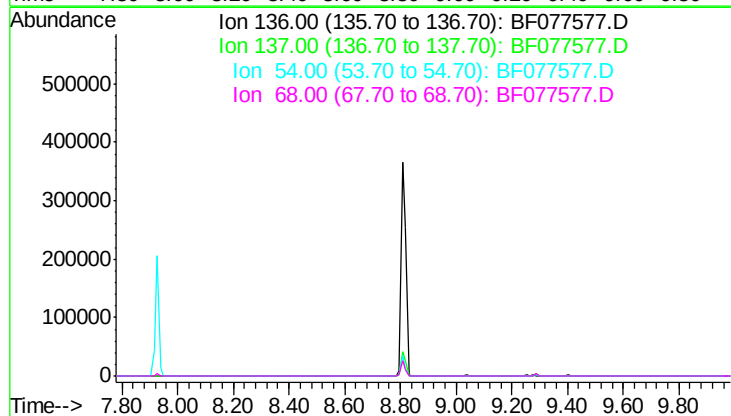
Sig Exp Ratio

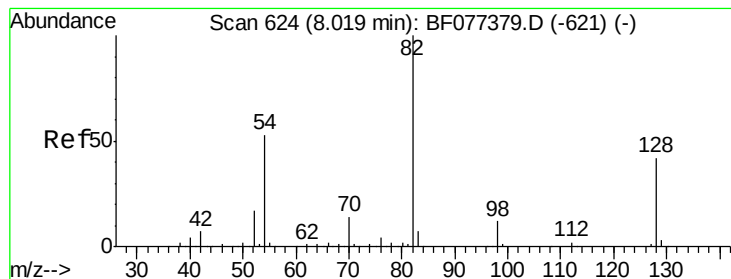
136 100

137 10.8

54 7.8

68 6.3





#23

Nitrobenzene-d5

Concen: 0.00 ng

RT: 7.93 min Scan# 616

Delta R.T. -0.07 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

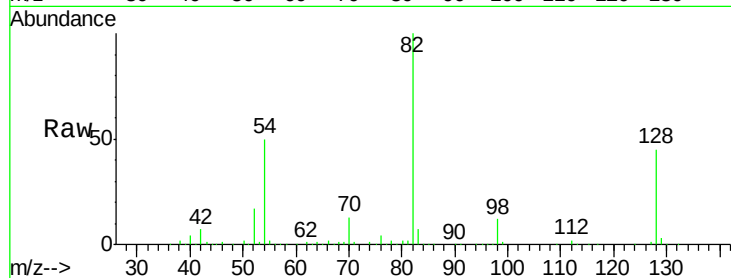
Tgt Ion: 82 Resp: 306844

Ion Ratio Lower Upper

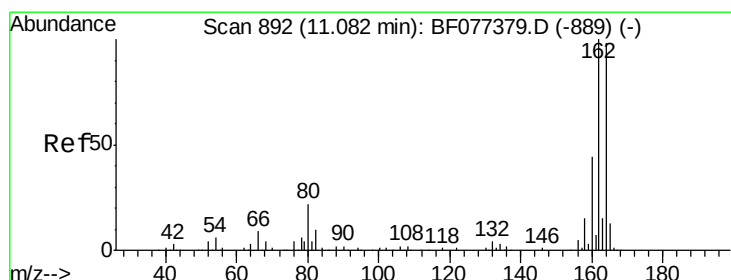
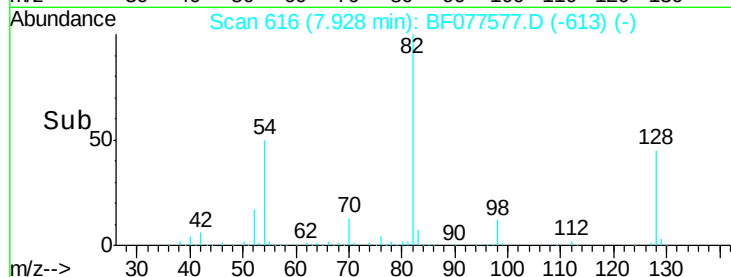
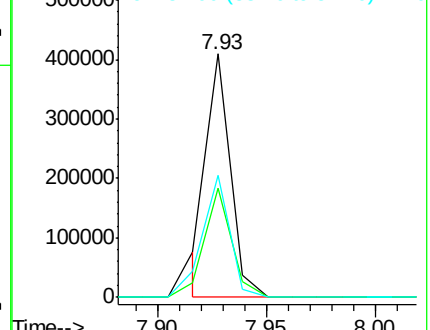
82 100

128 44.7 43.8 65.8

54 50.2 36.7 55.1



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.99 min Scan# 884

Delta R.T. -0.07 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

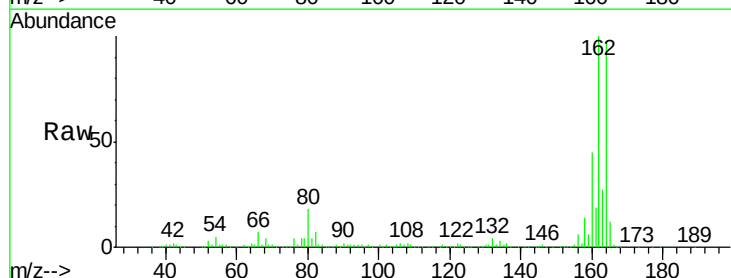
Tgt Ion: 164 Resp: 170901

Ion Ratio Lower Upper

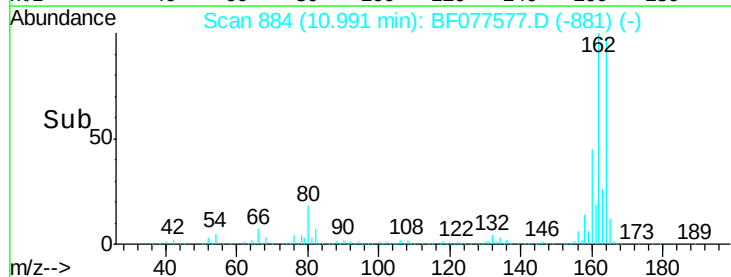
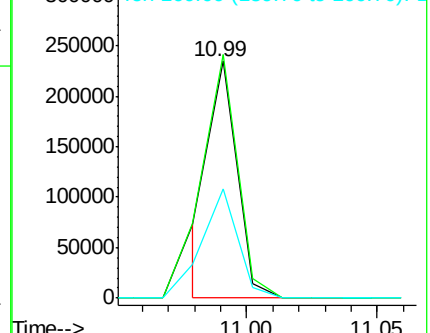
164 100

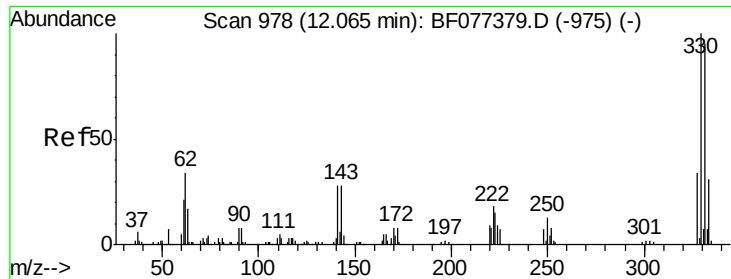
162 102.8 83.2 124.8

160 46.2 34.6 52.0



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

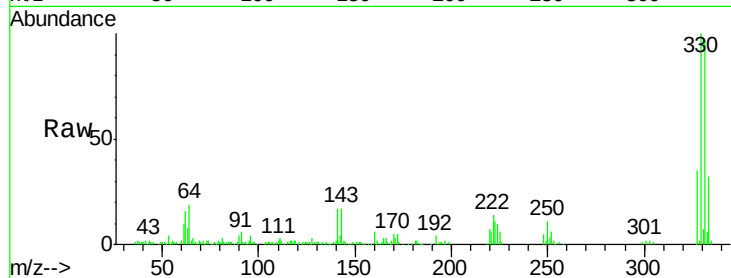




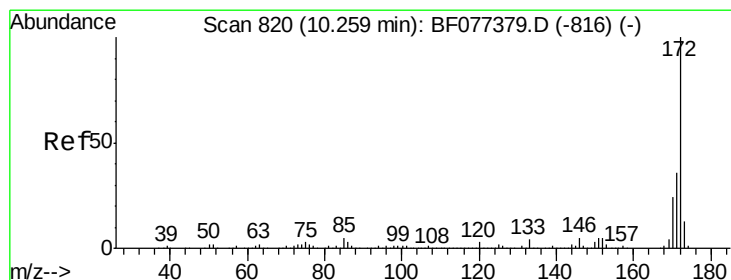
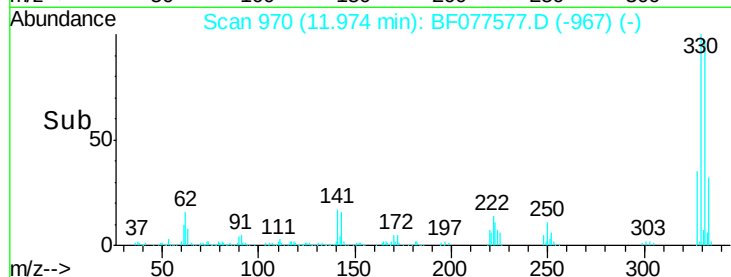
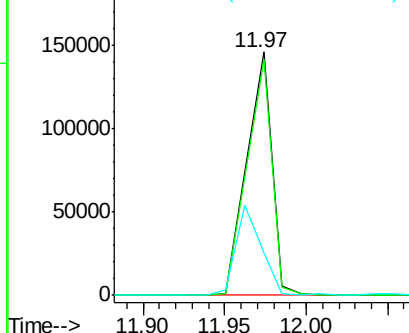
#41
 2,4,6-Tribromophenol
 Concen: 95.32 ng
 RT: 11.97 min Scan# 970
 Delta R.T. -0.07 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 156863
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 36.2 28.8 43.2

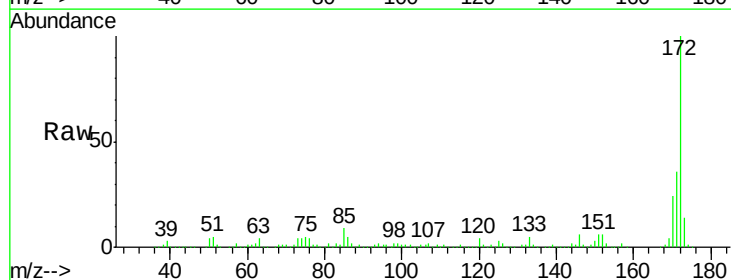


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

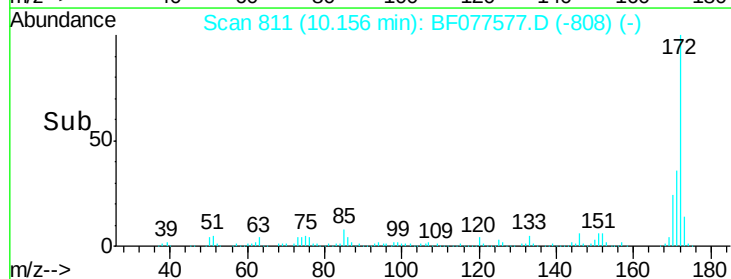
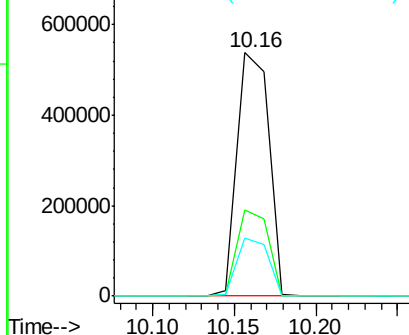


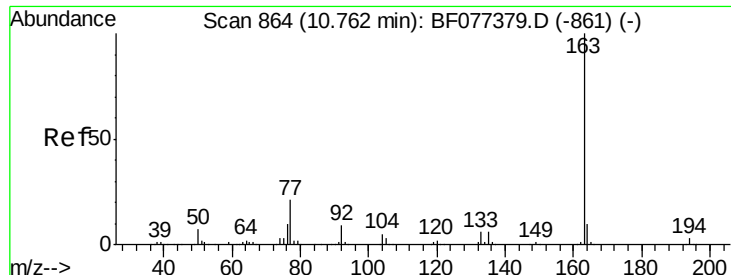
#44
 2-Fluorobiphenyl
 Concen: 65.88 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

Tgt Ion:172 Resp: 722066
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.7 19.4 29.2



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

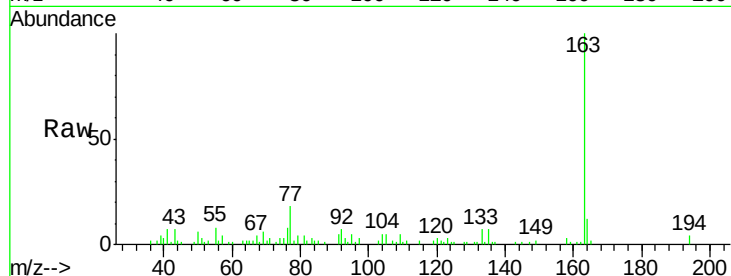




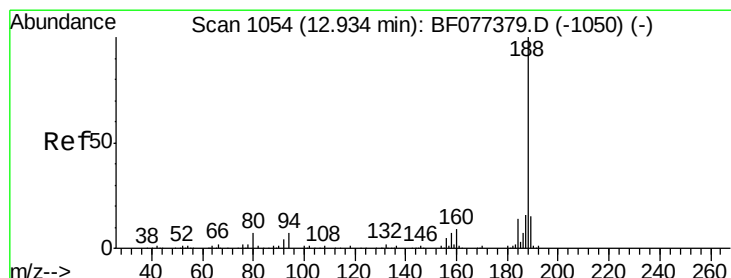
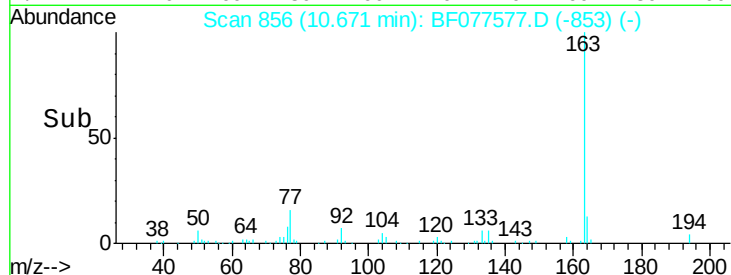
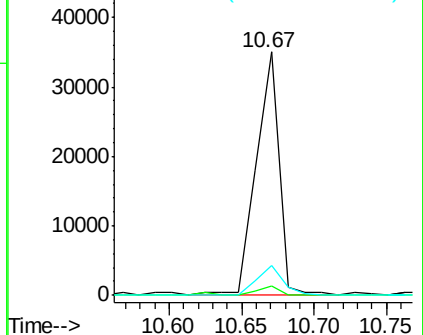
#49
Dimethylphthalate
Concen: 3.22 ng
RT: 10.67 min Scan# 856
Delta R.T. -0.07 min
Lab File: BF077577.D
Acq: 4 Mar 2015 7:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 38672
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 12.4 8.6 13.0

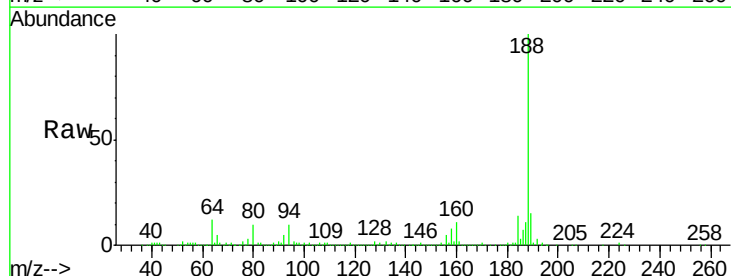


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

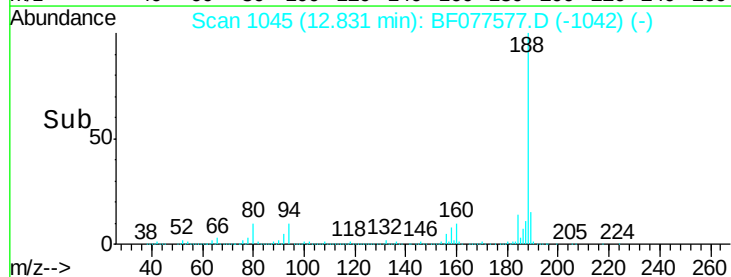
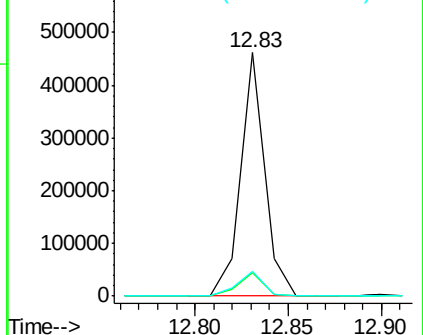


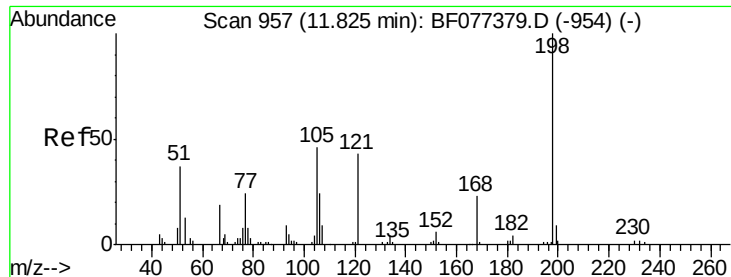
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 1045
Delta R.T. -0.07 min
Lab File: BF077577.D
Acq: 4 Mar 2015 7:11

Tgt Ion:188 Resp: 416737
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.0 12.0



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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.84 ng

RT: 11.76 min Scan# 951

Delta R.T. -0.05 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

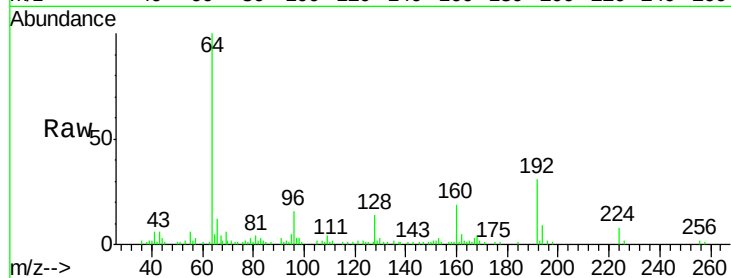
Tgt Ion:198 Resp: 234

Ion Ratio Lower Upper

198 100

51 118.2 2.7 42.7#

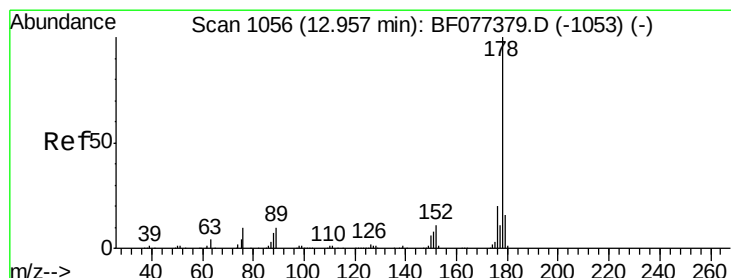
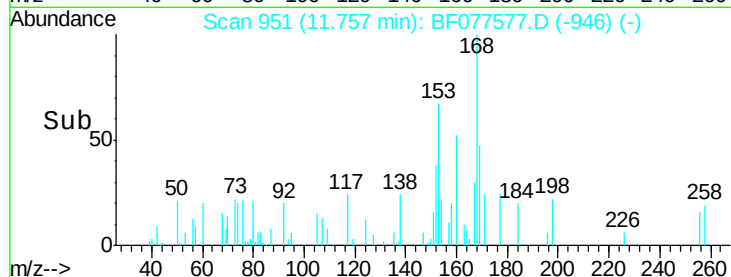
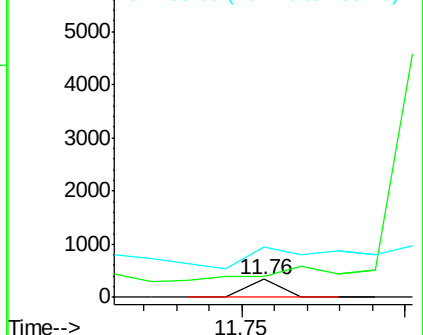
105 277.1 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 4.39 ng

RT: 12.86 min Scan# 1048

Delta R.T. -0.07 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

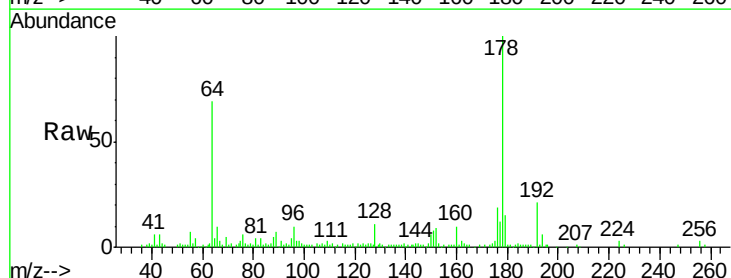
Tgt Ion:178 Resp: 106096

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

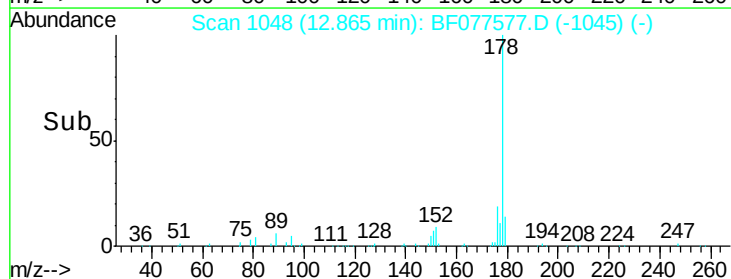
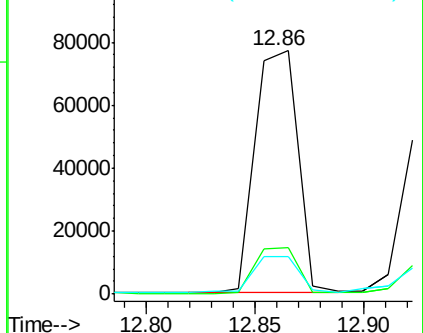
179 15.4 12.2 18.2

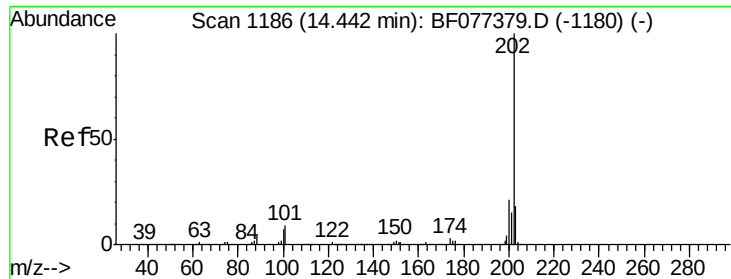


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.98 ng

RT: 14.37 min Scan# 1179

Delta R.T. -0.04 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

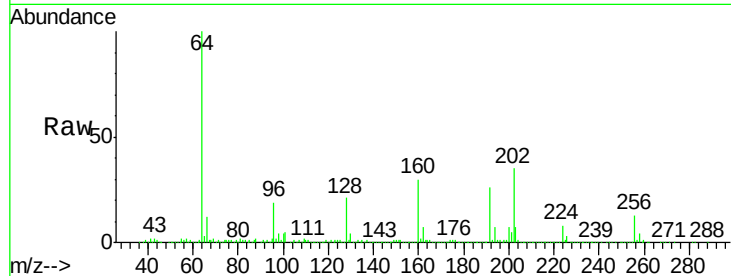
Tgt Ion:202 Resp: 210589

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.8

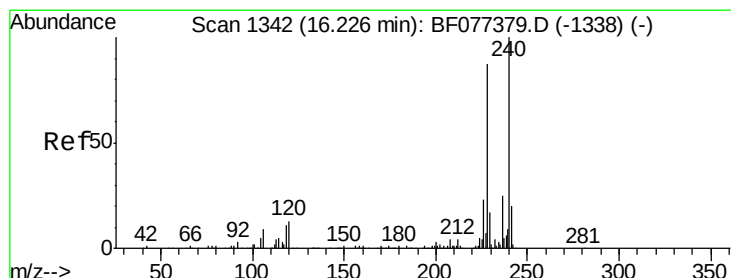
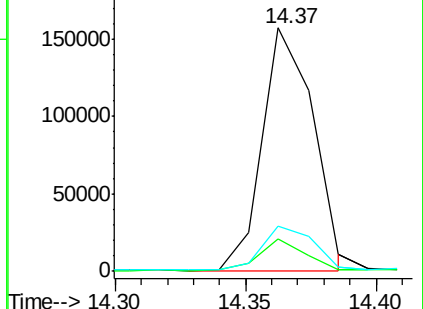
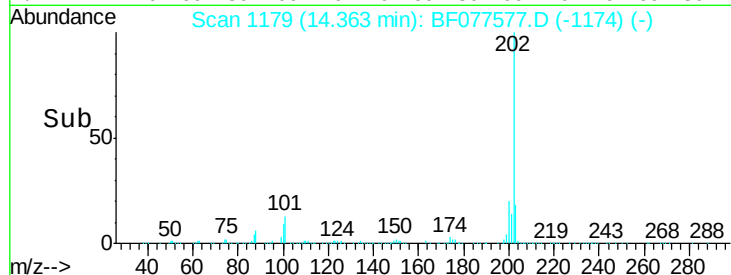
203 18.7 0.0 37.7



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: 16.13 min Scan# 1333

Delta R.T. -0.09 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

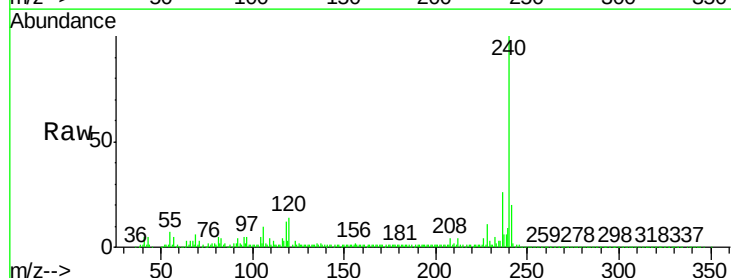
Tgt Ion:240 Resp: 425492

Ion Ratio Lower Upper

240 100

120 14.2 8.8 13.2#

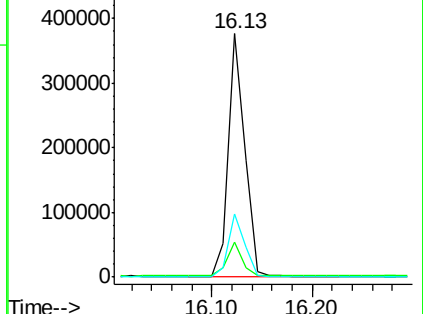
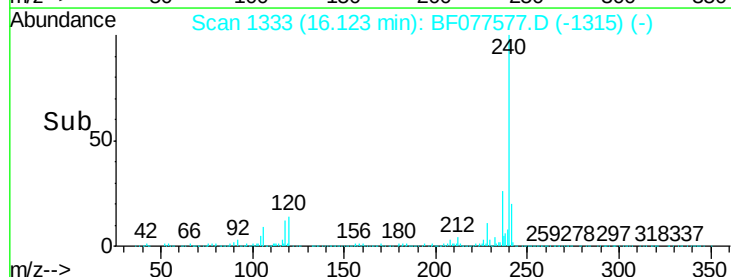
236 26.2 20.7 31.1

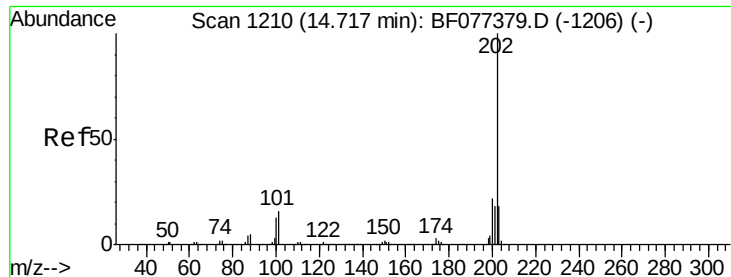


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.34 ng

RT: 14.63 min Scan# 1202

Delta R.T. -0.06 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

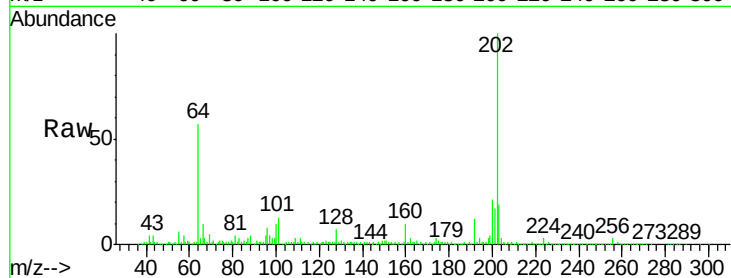
Tgt Ion: 202 Resp: 216960

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

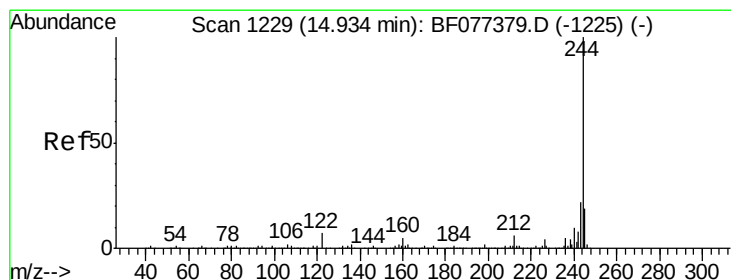
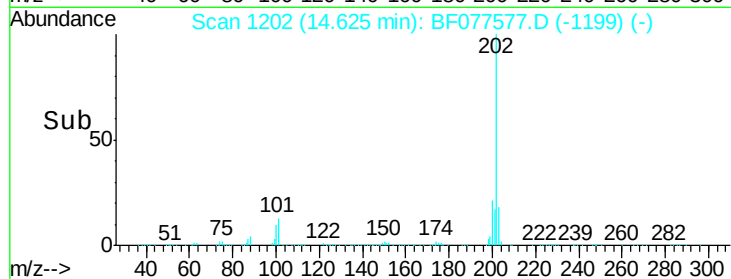
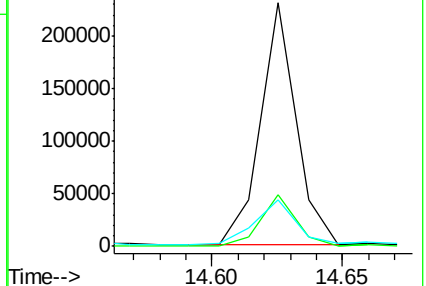
203 19.0 14.2 21.2



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: 41.39 ng

RT: 14.83 min Scan# 1220

Delta R.T. -0.07 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

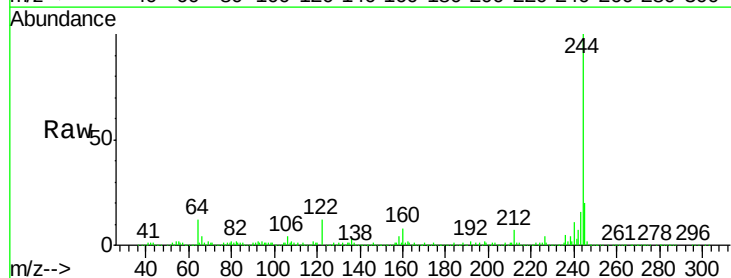
Tgt Ion: 244 Resp: 753406

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

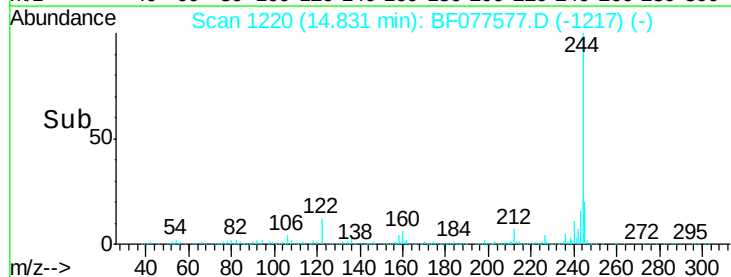
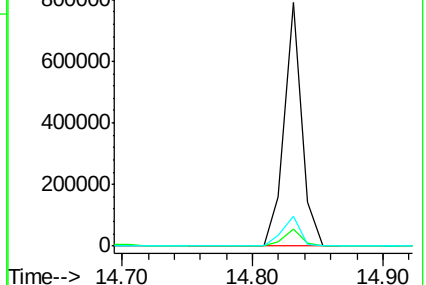
122 12.4 7.8 11.8#

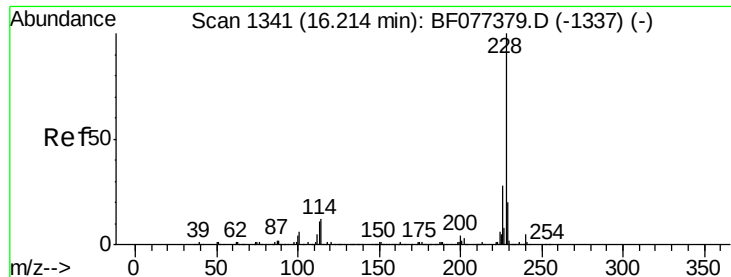


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

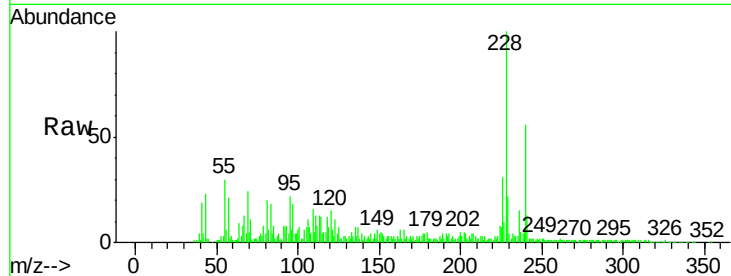




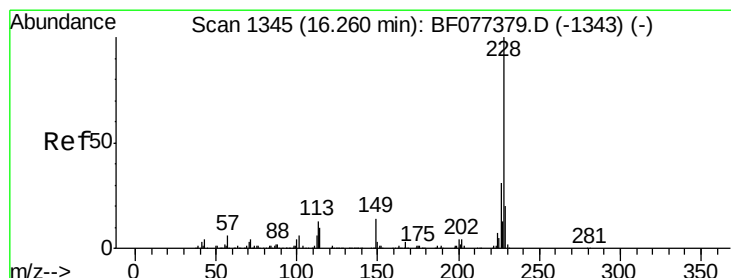
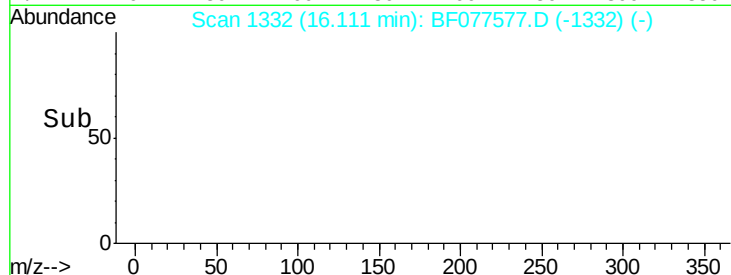
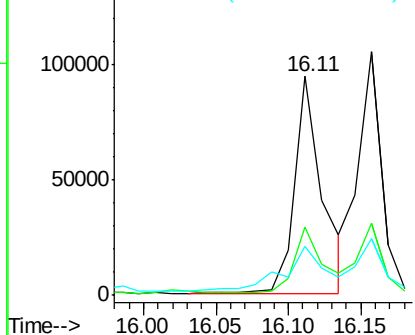
#80
Benzo(a)anthracene
Concen: 5.02 ng
RT: 16.11 min Scan# 1332
Delta R.T. -0.09 min
Lab File: BF077577.D
Acq: 4 Mar 2015 7:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.0	33.0
229	22.3	15.8	23.8

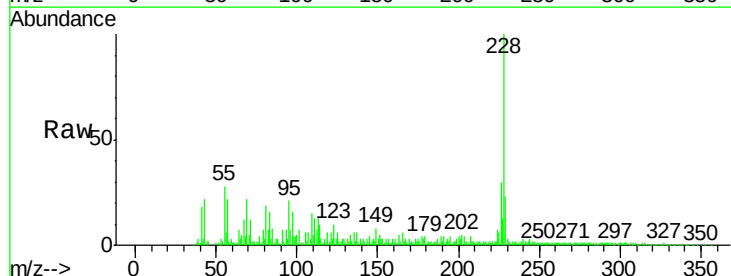


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

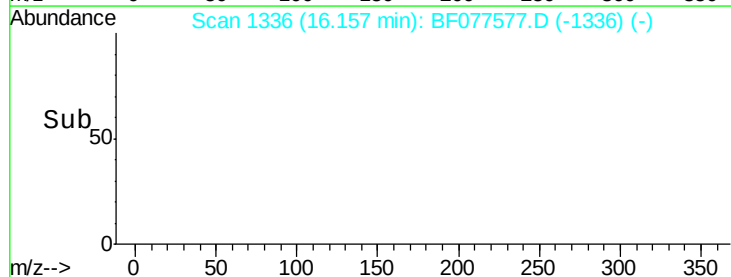
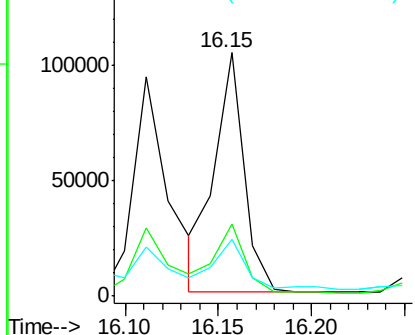


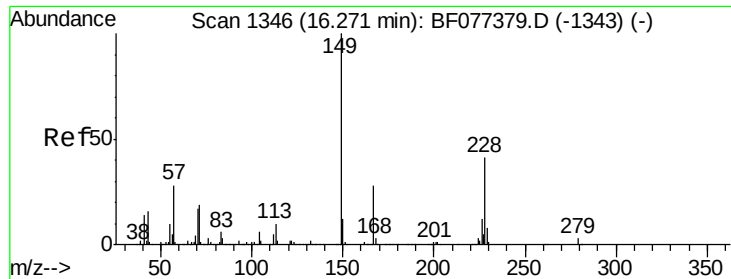
#82
Chrysene
Concen: 4.92 ng
RT: 16.15 min Scan# 1336
Delta R.T. -0.10 min
Lab File: BF077577.D
Acq: 4 Mar 2015 7:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	23.5	16.4	24.6



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

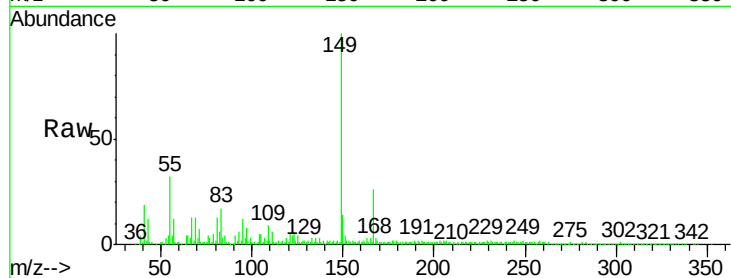




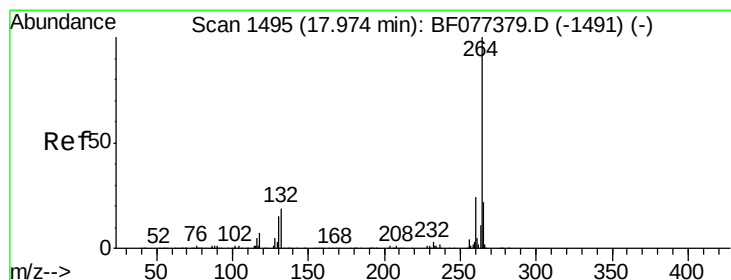
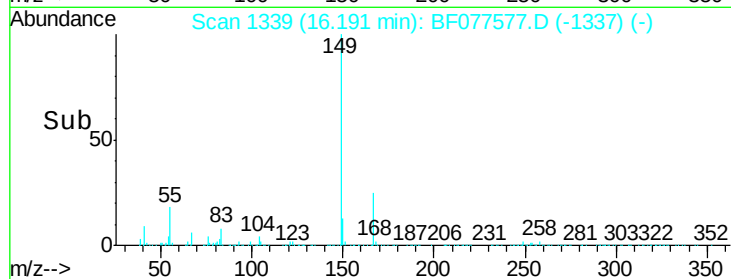
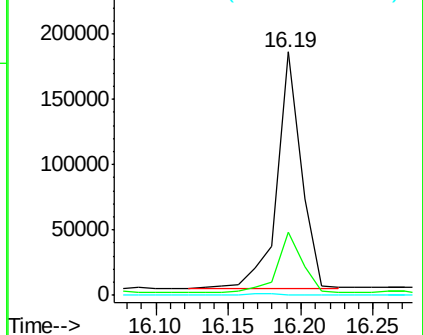
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 12.07 ng
 RT: 16.19 min Scan# 1339
 Delta R.T. -0.08 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:149 Resp: 207277
 Ion Ratio Lower Upper
 149 100
 167 25.8 22.8 34.2
 279 0.4 3.8 5.6#

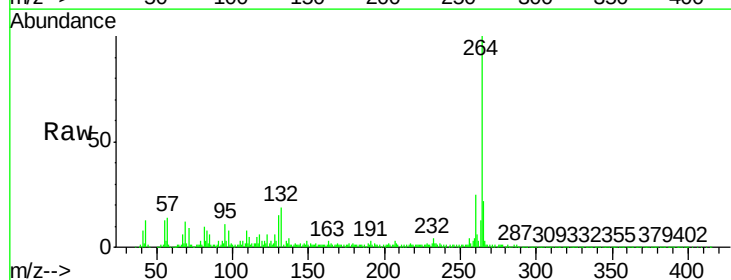


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

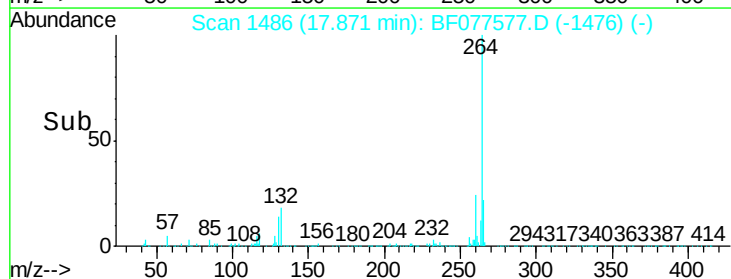
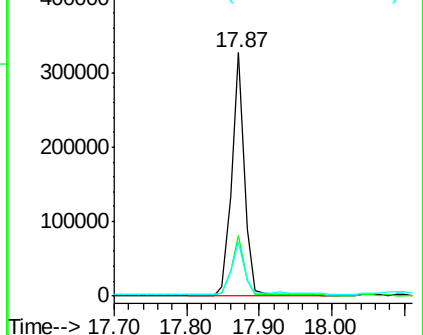


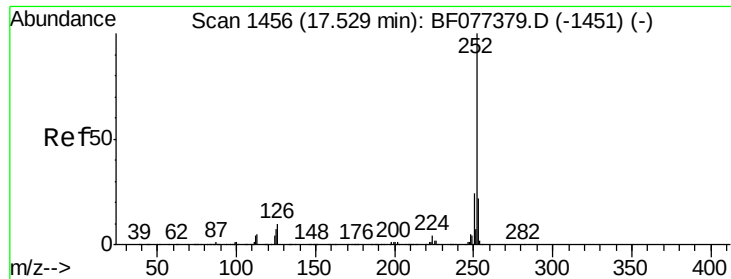
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.87 min Scan# 1486
 Delta R.T. -0.18 min
 Lab File: BF077577.D
 Acq: 4 Mar 2015 7:11

Tgt Ion:264 Resp: 394700
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.3 28.9
 265 22.4 16.8 25.2



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: 7.63 ng

RT: 17.42 min Scan# 1447

Delta R.T. -0.15 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

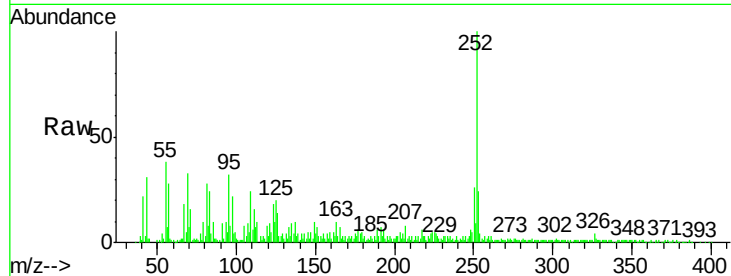
Tgt Ion:252 Resp: 175013

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

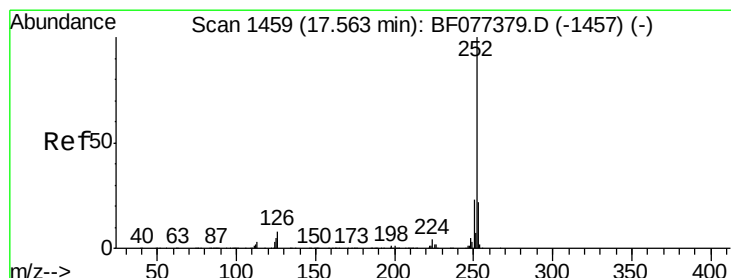
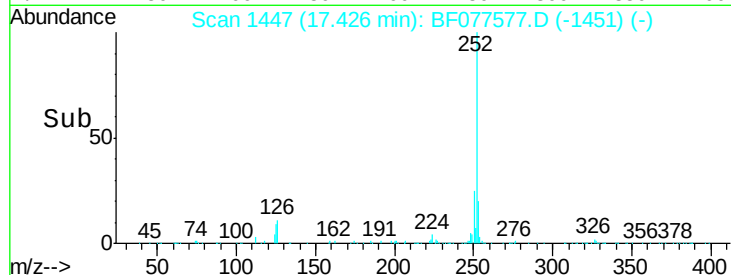
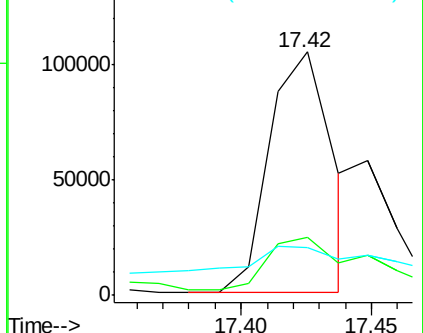
125 19.6 5.4 8.2#



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: 10.54 ng

RT: 17.43 min Scan# 1447

Delta R.T. -0.18 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

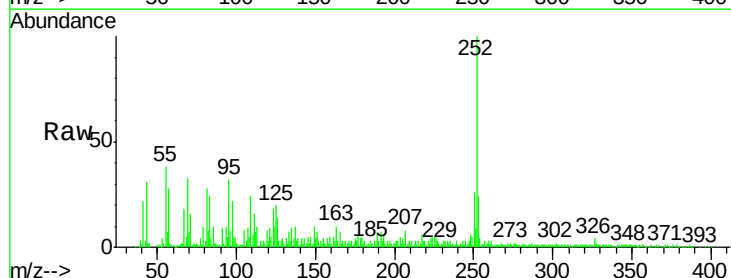
Tgt Ion:252 Resp: 236969

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

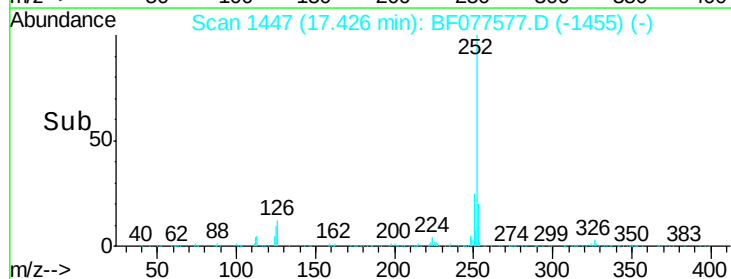
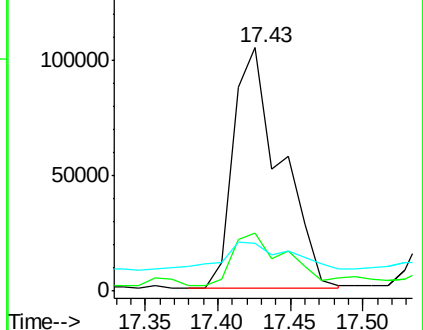
125 19.6 10.1 15.1#

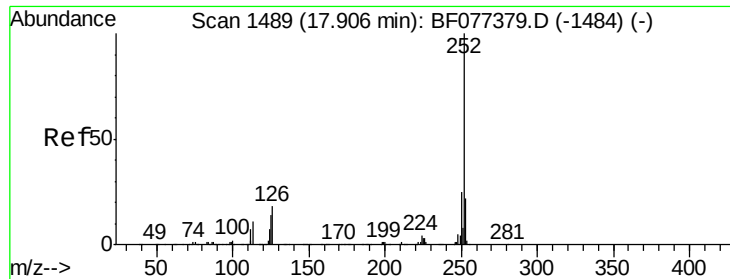


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.10 ng

RT: 17.80 min Scan# 1480

Delta R.T. -0.19 min

Lab File: BF077577.D

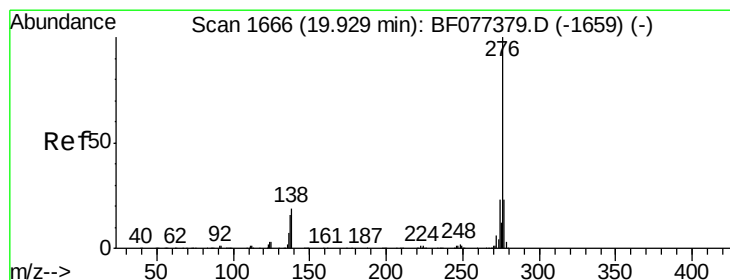
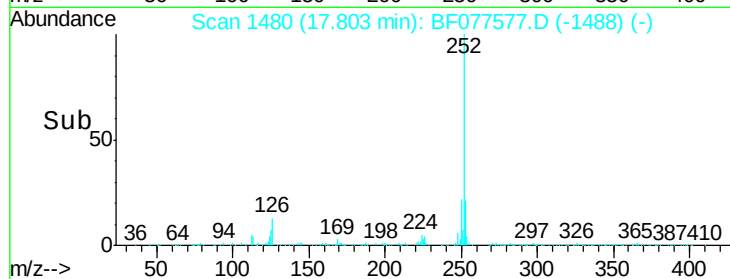
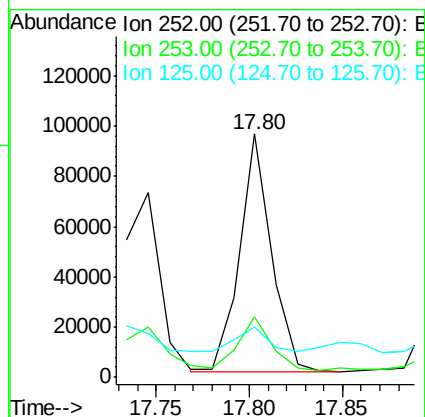
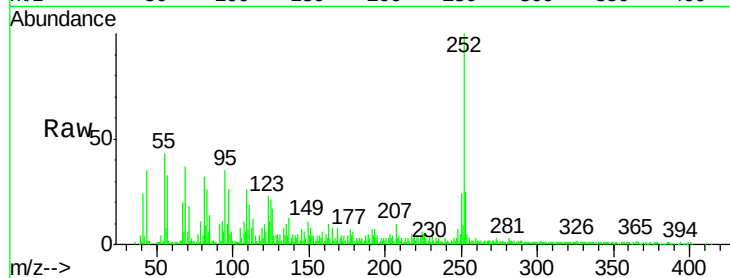
Acq: 4 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	111404
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	20.6	8.3	12.5#



#91

Benzo(g,h,i)perylene

Concen: 3.86 ng

RT: 19.74 min Scan# 1650

Delta R.T. -0.25 min

Lab File: BF077577.D

Acq: 4 Mar 2015 7:11

Tgt Ion:	276	Resp:	81294
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	26.4	20.5	30.7

