

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022315\
 Data File : BF077404.D
 Acq On : 23 Feb 2015 14:44
 Operator : TP/IZ
 Sample : G1332-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Quant Time: Feb 24 00:09:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 23 23:58:25 2015
 Response via : Initial Calibration

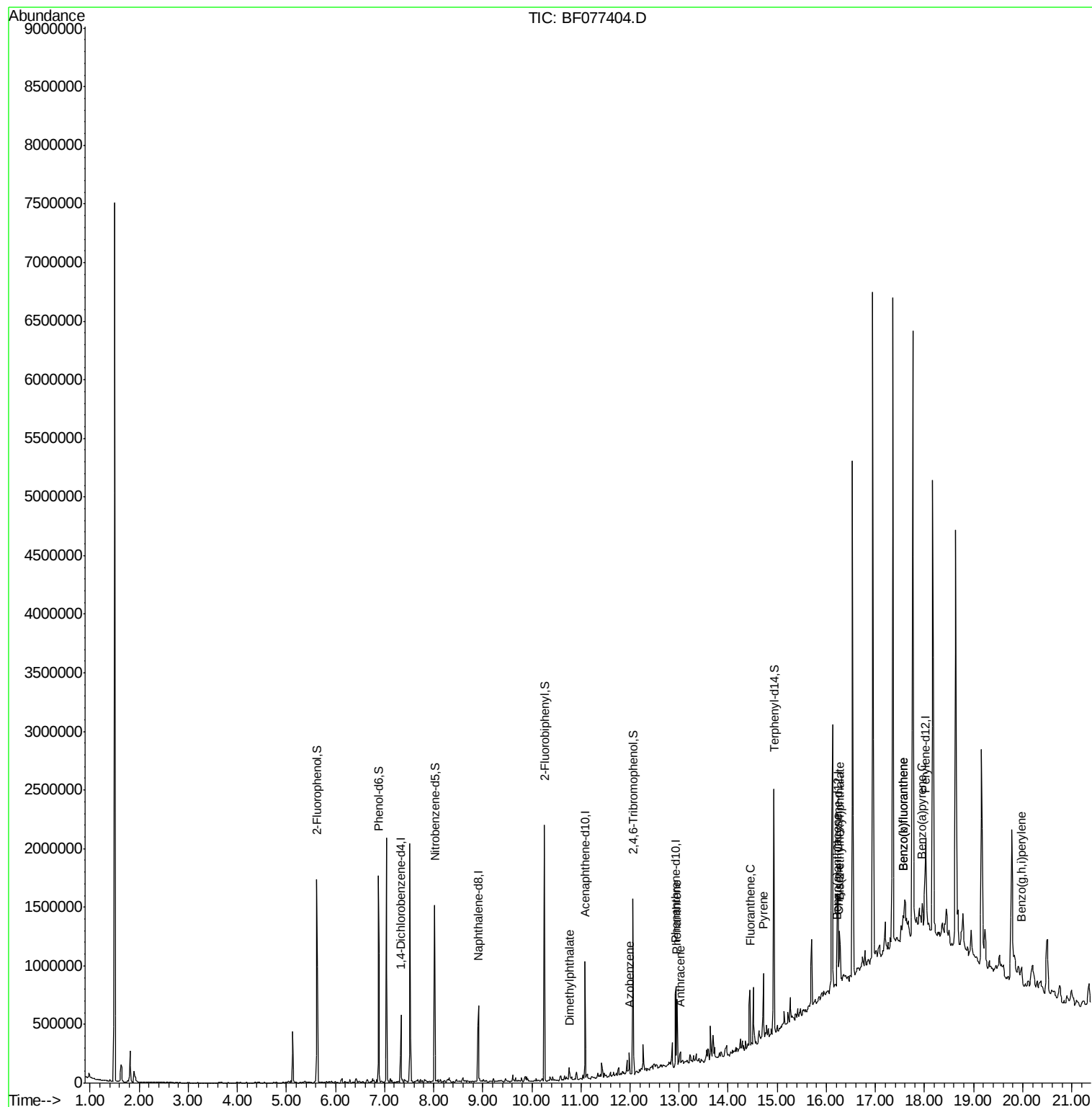
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	97675	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	384756	20.00	ng	0.00
38) Acenaphthene-d10	11.08	164	198745	20.00	ng	-0.01
63) Phenanthrene-d10	12.93	188	370900	20.00	ng	0.00
75) Chrysene-d12	16.24	240	391499	20.00	ng	-0.02
86) Perylene-d12	18.02	264	379918	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	607677	103.86	ng	0.00
7) Phenol-d6	6.88	99	780990	103.82	ng	-0.01
23) Nitrobenzene-d5	8.02	82	452319	73.10	ng	-0.01
41) 2,4,6-Tribromophenol	12.06	330	201688	105.39	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	1014456	79.59	ng	0.00
78) Terphenyl-d14	14.93	244	1085429	64.81	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.76	163	52260	3.74	ng	# 99
62) Azobenzene	11.98	77	30687	2.35	ng	# 1
70) Phenanthrene	12.96	178	223433	10.39	ng	99
71) Anthracene	13.03	178	54071	2.53	ng	98
74) Fluoranthene	14.44	202	279401	11.90	ng	97
77) Pyrene	14.72	202	246805	10.31	ng	97
80) Benzo(a)anthracene	16.21	228	90010	3.92	ng	# 80
82) Chrysene	16.26	228	117105	5.44	ng	# 93
83) Bis(2-ethylhexyl)phthalate	16.28	149	165451	10.47	ng	99
87) Benzo(b)fluoranthene	17.56	252	171346	7.76	ng	# 83
88) Benzo(k)fluoranthene	17.56	252	174762	8.07	ng	# 86
89) Benzo(a)pyrene	17.95	252	79858	3.80	ng	# 66
91) Benzo(g,h,i)perylene	19.97	276	65088	3.21	ng	# 92

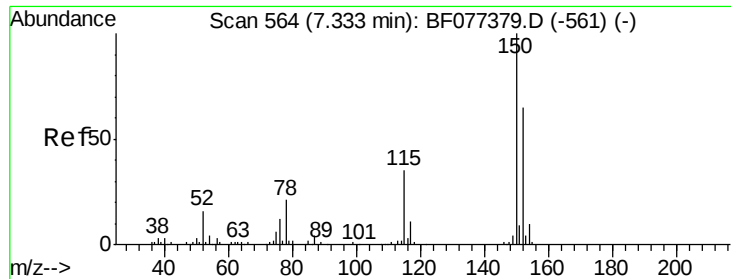
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022315\
Data File : BF077404.D
Acq On : 23 Feb 2015 14:44
Operator : TP/IZ
Sample : G1332-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HF-4

Quant Time: Feb 24 00:09:41 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 23 23:58:25 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

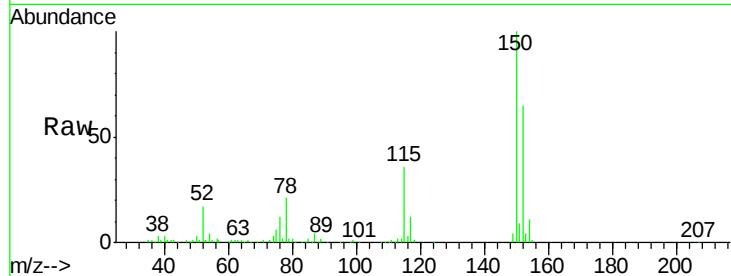
Tgt Ion:152 Resp: 97675

Ion Ratio Lower Upper

152 100

150 153.8 124.0 186.0

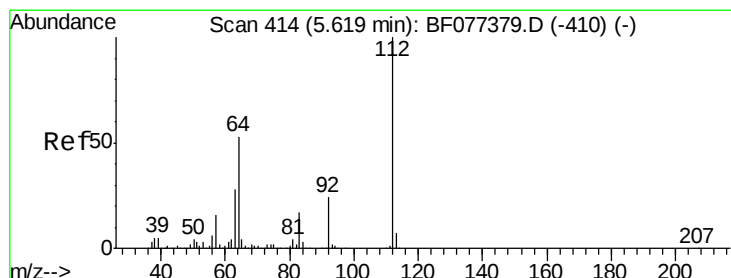
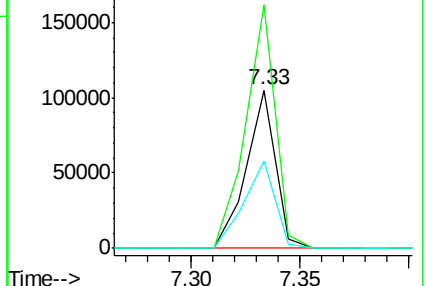
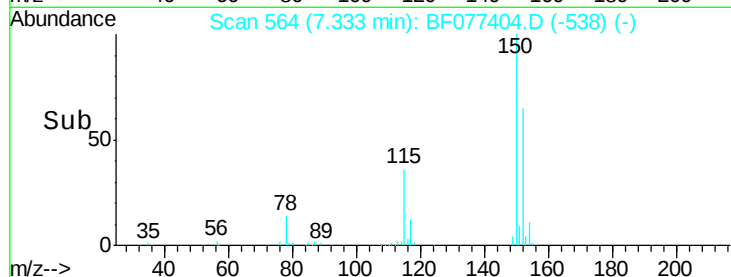
115 55.4 49.4 74.2



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: 103.86 ng

RT: 5.62 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

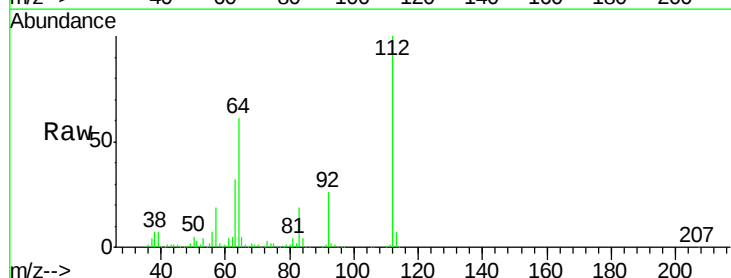
Tgt Ion:112 Resp: 607677

Ion Ratio Lower Upper

112 100

64 61.4 48.5 72.7

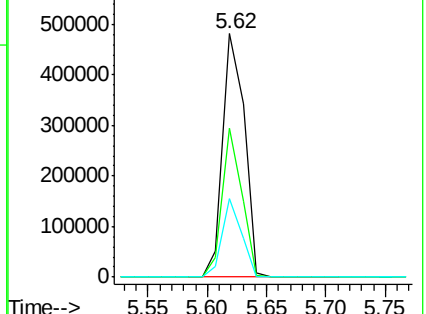
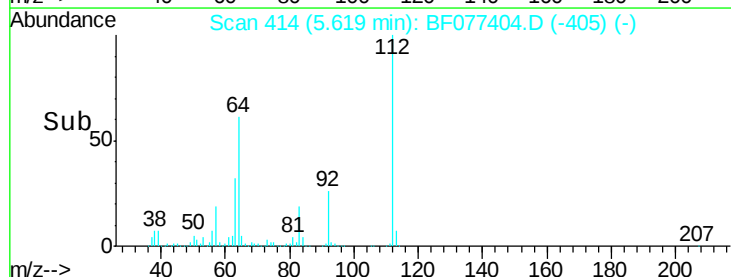
63 32.1 25.0 37.4



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: 103.82 ng

RT: 6.88 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

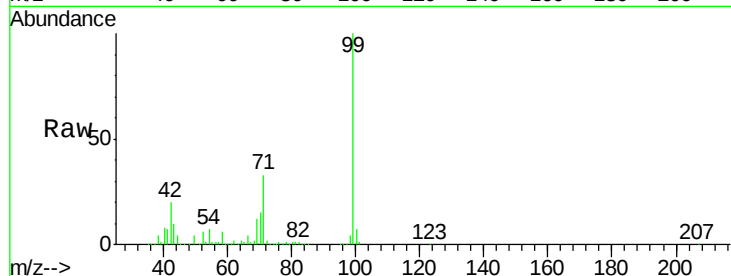
Tgt Ion: 99 Resp: 780990

Ion Ratio Lower Upper

99 100

42 20.0 16.2 24.4

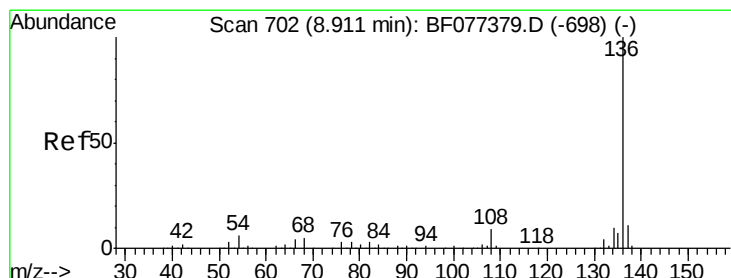
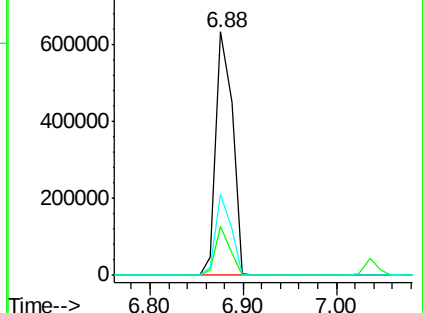
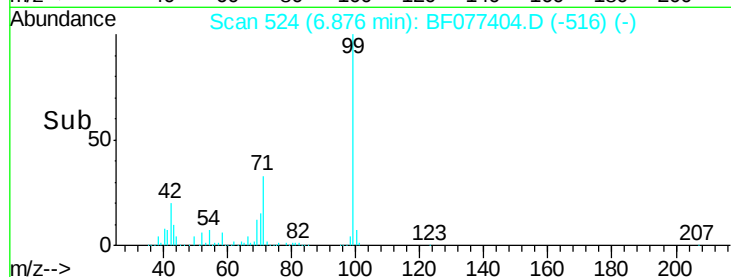
71 33.5 26.7 40.1



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: 20.00 ng

RT: 8.91 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Tgt Ion: 136 Resp: 384756

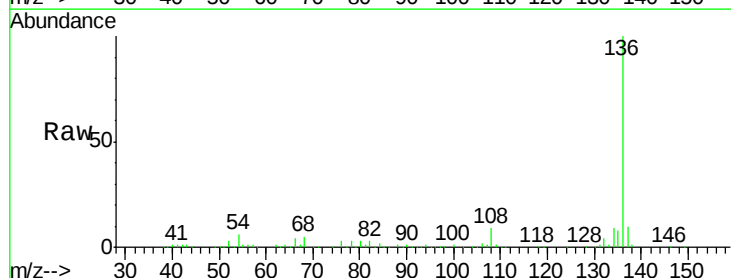
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.6 6.2 9.4#

68 4.5 5.0 7.6#

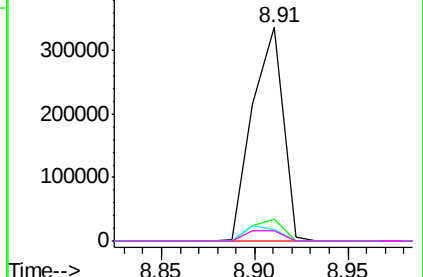
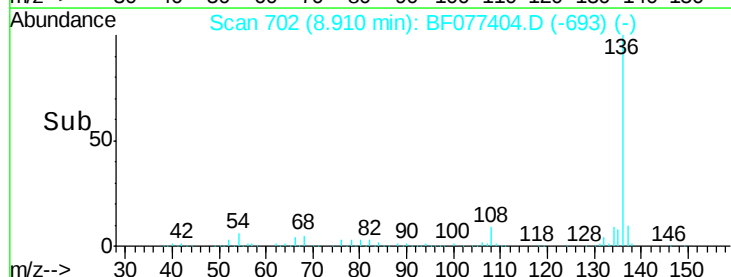


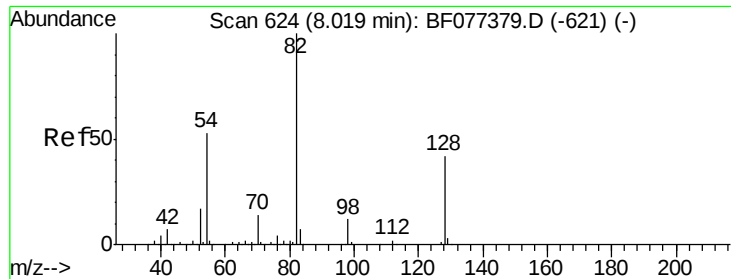
Abundance Ion 136.00 (135.70 to 136.70): E

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

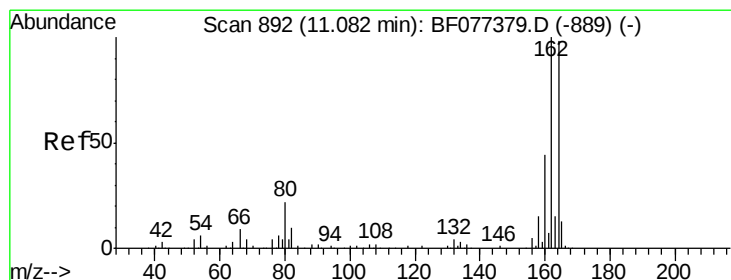
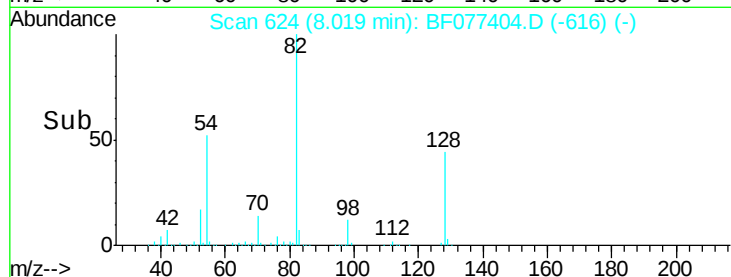
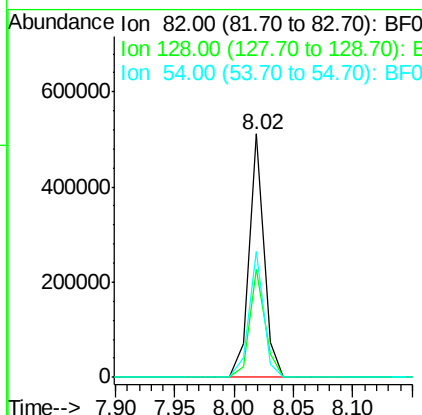
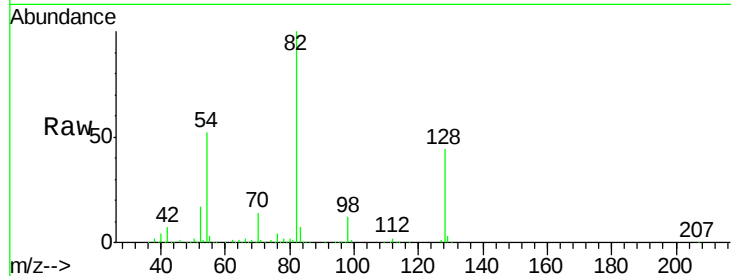




#23
 Nitrobenzene-d5
 Concen: 73.10 ng
 RT: 8.02 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

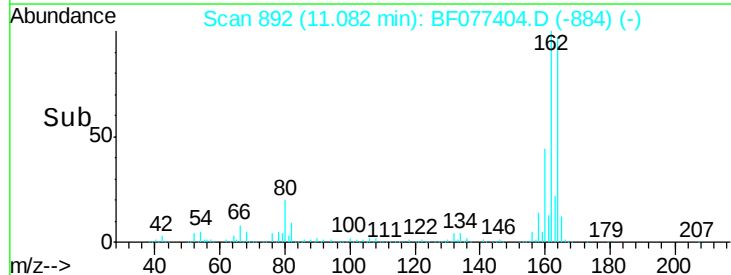
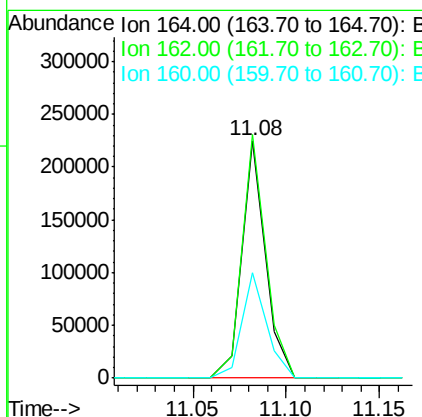
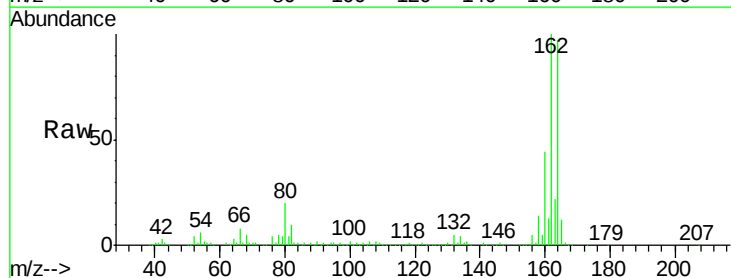
Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Tgt Ion: 82 Resp: 452319
 Ion Ratio Lower Upper
 82 100
 128 44.3 43.8 65.8
 54 51.8 36.7 55.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion: 164 Resp: 198745
 Ion Ratio Lower Upper
 164 100
 162 102.6 83.2 124.8
 160 44.6 34.6 52.0

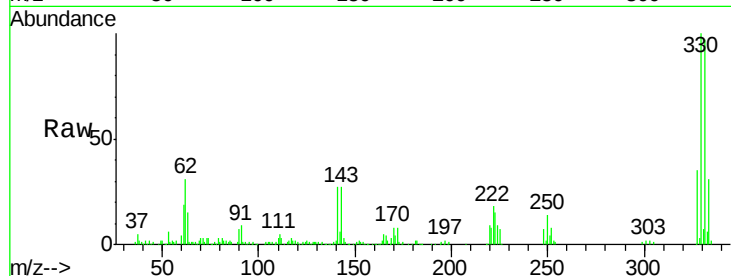




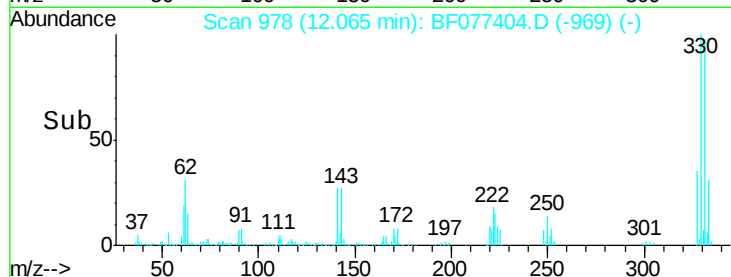
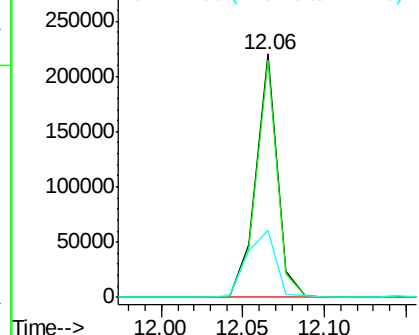
#41
 2,4,6-Tribromophenol
 Concen: 105.39 ng
 RT: 12.06 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Tgt Ion:330 Resp: 201688
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 35.9 28.8 43.2

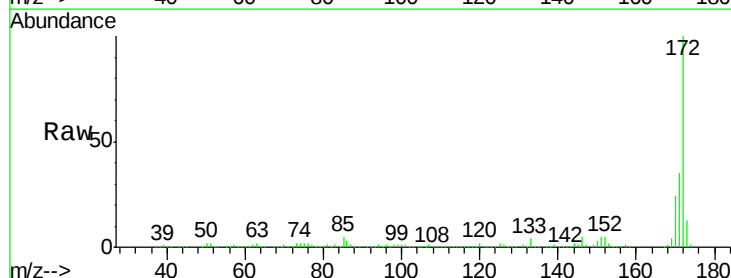


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

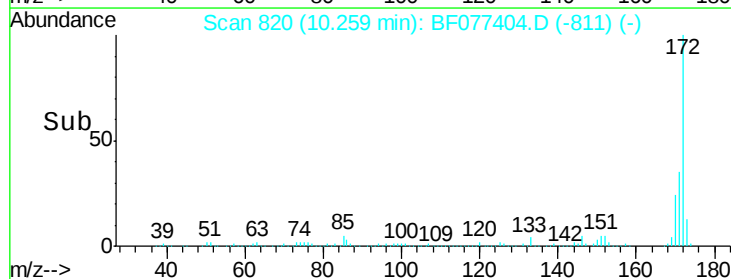
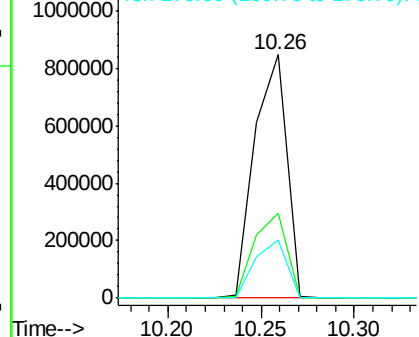


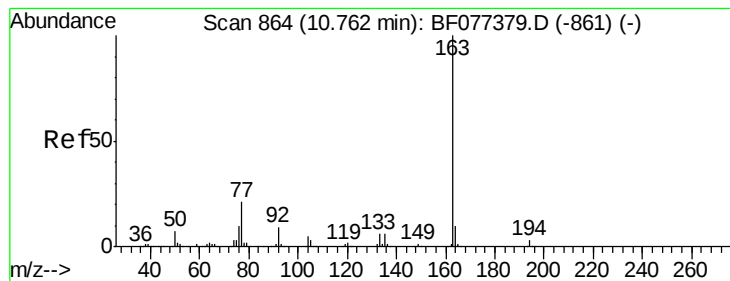
#44
 2-Fluorobiphenyl
 Concen: 79.59 ng
 RT: 10.26 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion:172 Resp: 1014456
 Ion Ratio Lower Upper
 172 100
 171 35.1 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: 3.74 ng

RT: 10.76 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

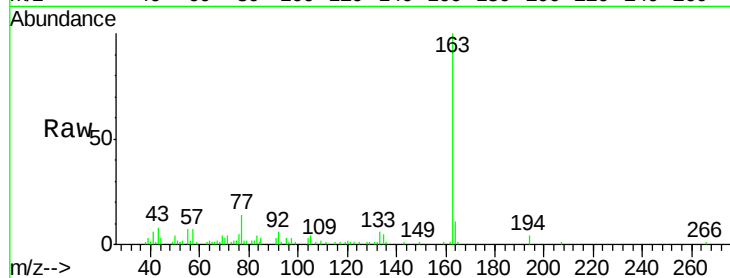
Tgt Ion: 163 Resp: 52260

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

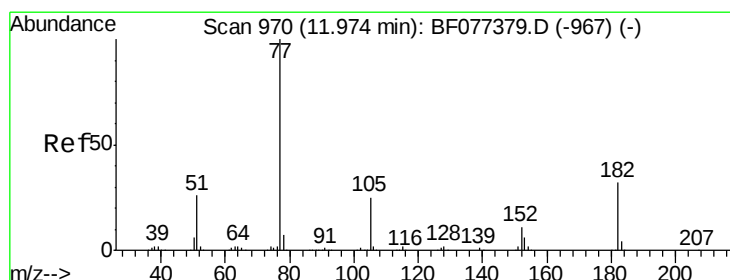
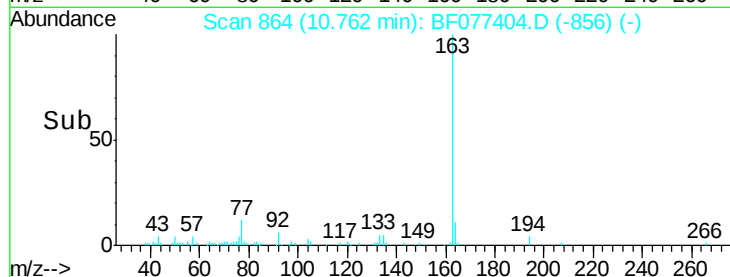
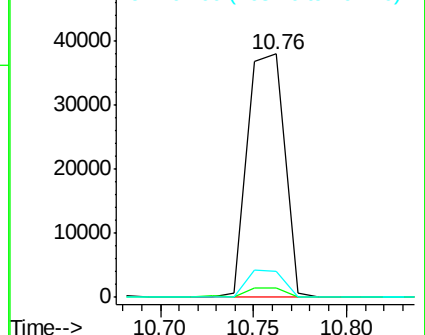
164 10.5 8.6 13.0



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



#62

Azobenzene

Concen: 2.35 ng

RT: 11.98 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Tgt Ion: 77 Resp: 30687

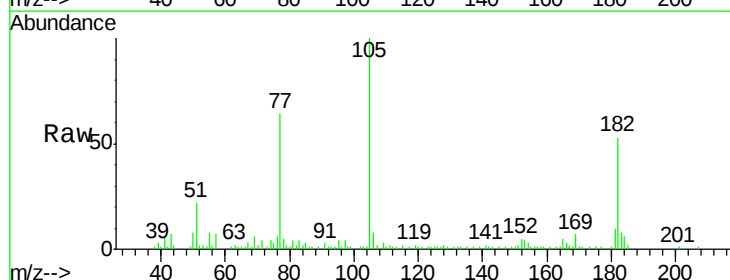
Ion Ratio Lower Upper

77 100

182 83.5 4.9 44.9#

105 157.4 3.3 43.3#

51 35.4 8.9 48.9

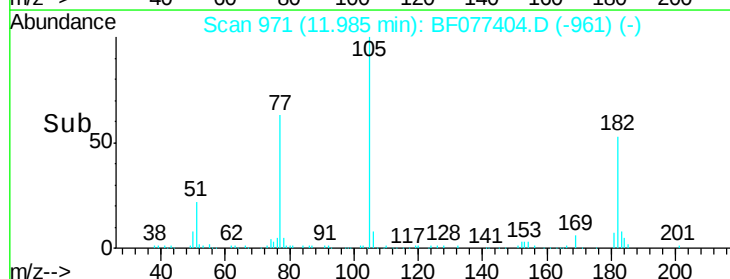
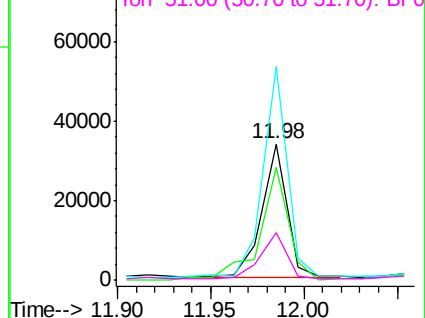


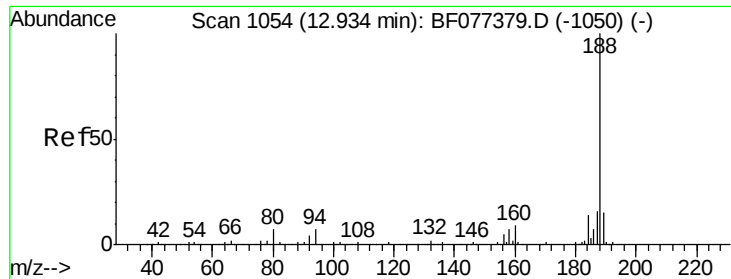
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

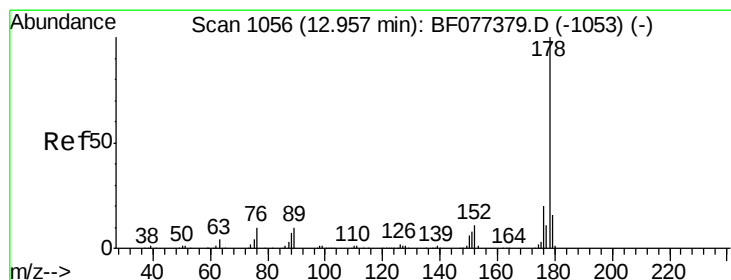
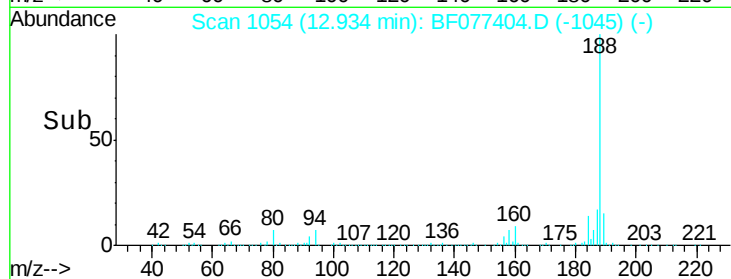
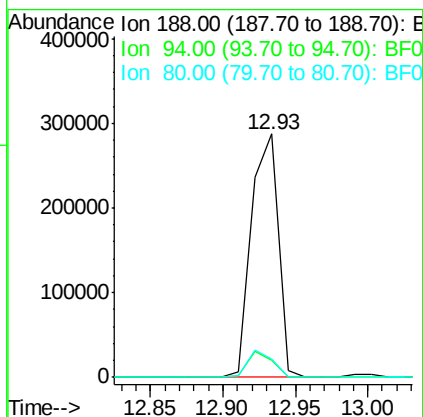
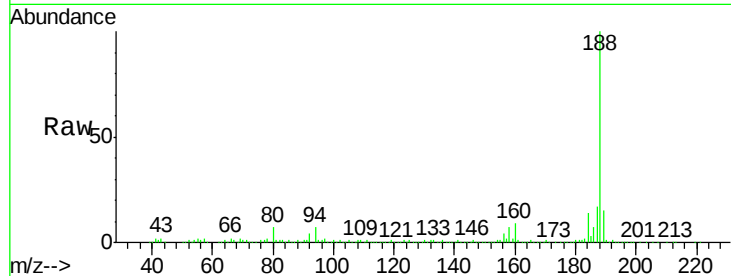




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.93 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

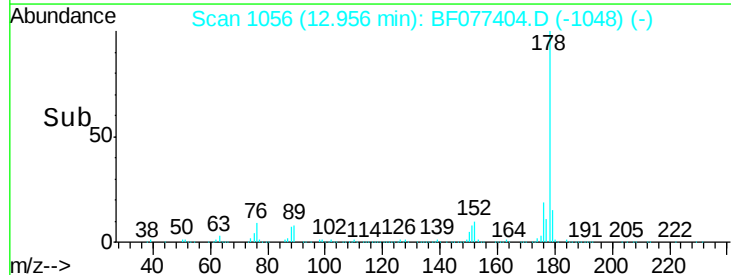
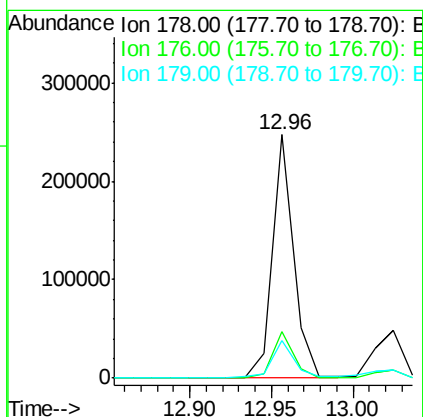
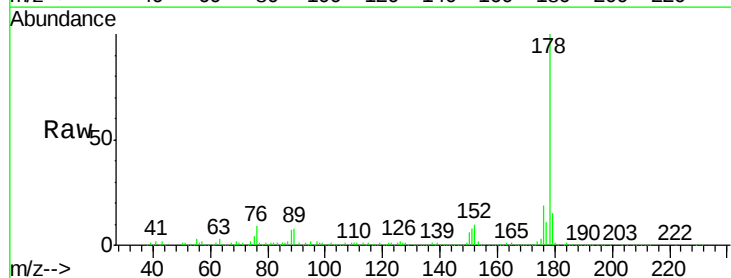
Instrument :
BNA_F
ClientSampleId :
HF-4

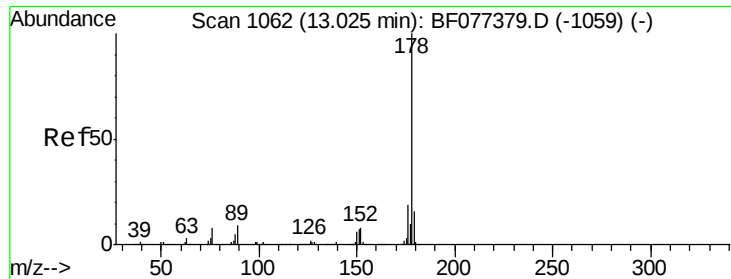
Tgt Ion:188 Resp: 370900
Ion Ratio Lower Upper
188 100
94 7.1 7.4 11.2#
80 7.3 8.0 12.0#



#70
Phenanthrene
Concen: 10.39 ng
RT: 12.96 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion:178 Resp: 223433
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.2 18.2





#71

Anthracene

Concen: 2.53 ng

RT: 13.03 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

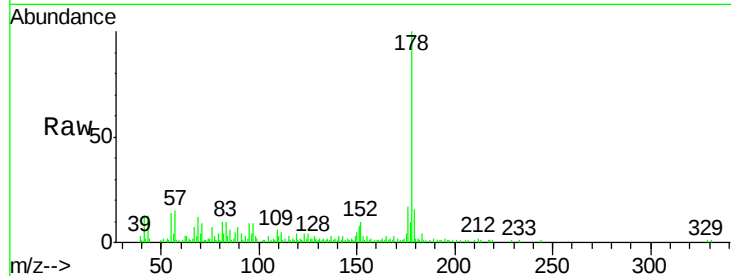
Tgt Ion:178 Resp: 54071

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.0

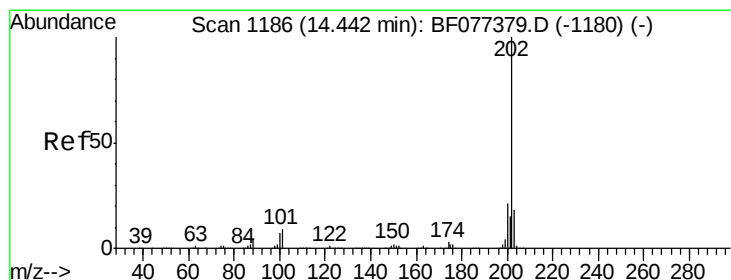
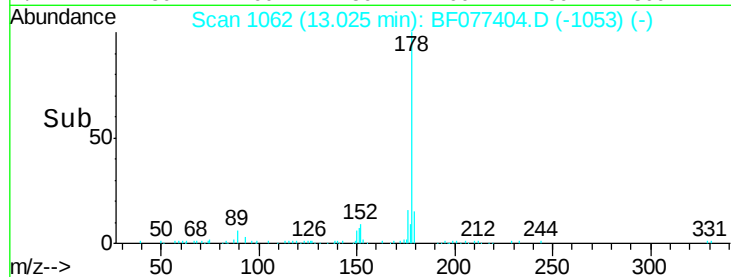
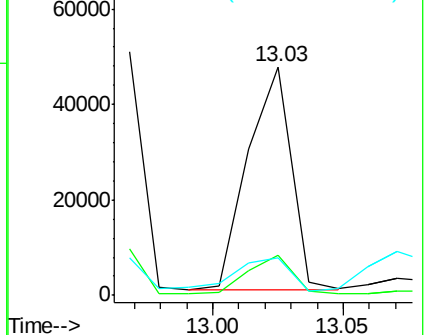
179 16.3 12.9 19.3



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: 11.90 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

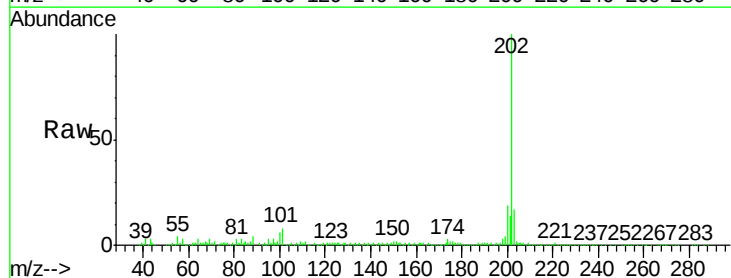
Tgt Ion:202 Resp: 279401

Ion Ratio Lower Upper

202 100

101 8.3 0.0 30.8

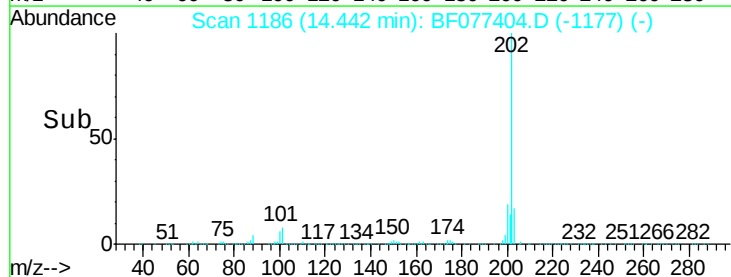
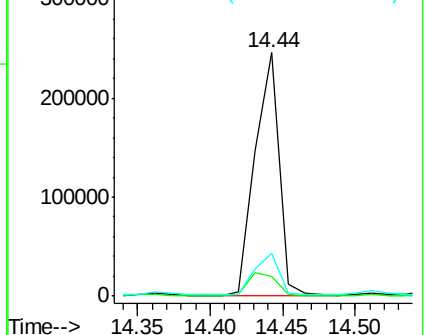
203 17.3 0.0 37.7

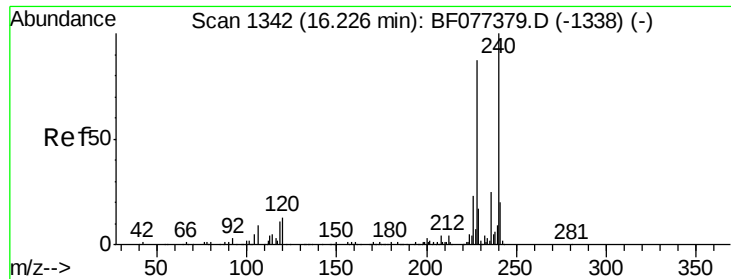


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.24 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

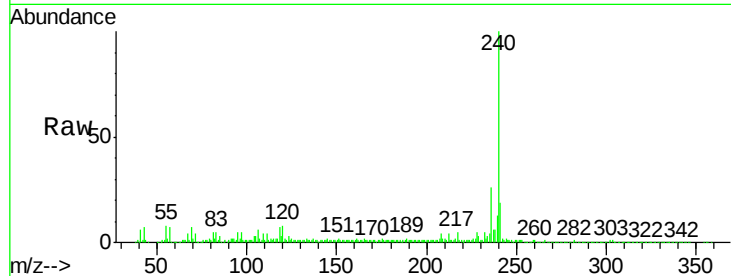
Tgt Ion:240 Resp: 391499

Ion Ratio Lower Upper

240 100

120 8.2 8.8 13.2#

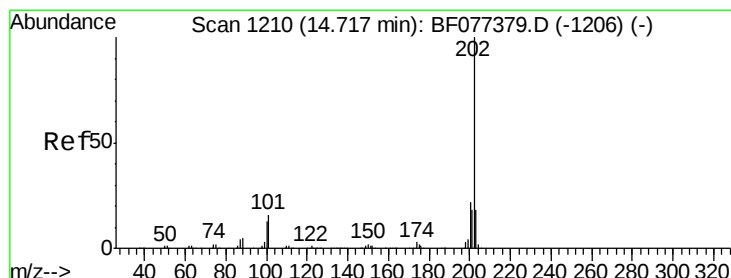
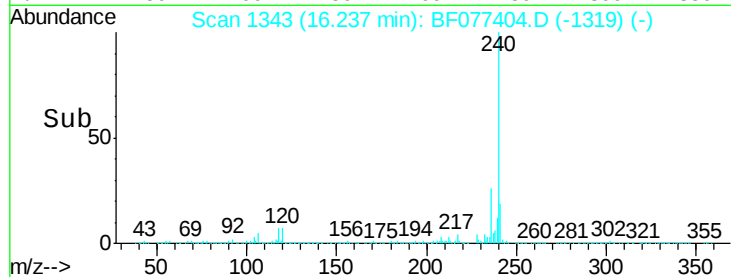
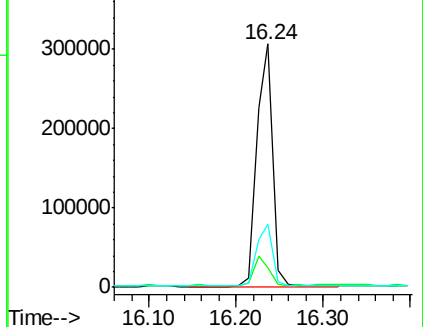
236 26.0 20.7 31.1



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: 10.31 ng

RT: 14.72 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

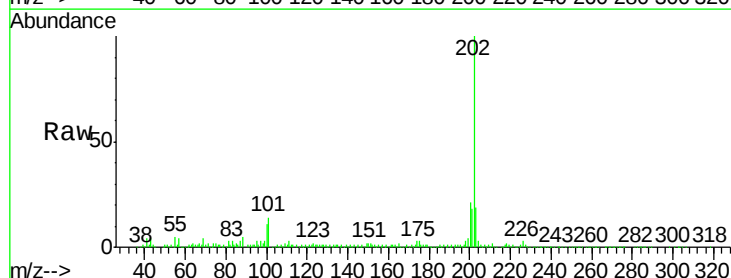
Tgt Ion:202 Resp: 246805

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

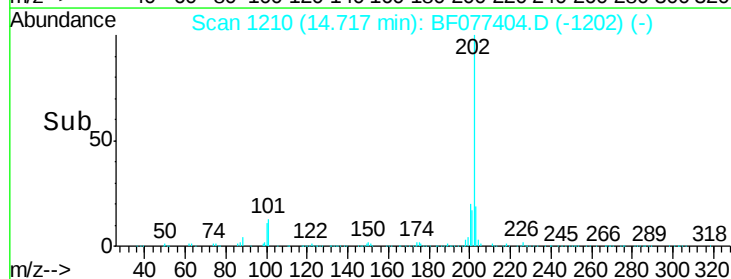
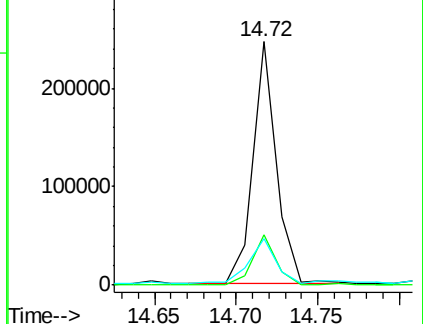
203 19.3 14.2 21.2

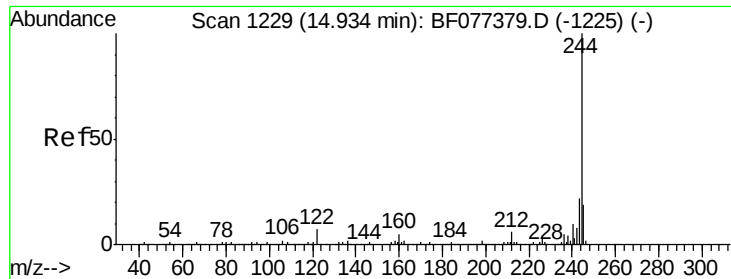


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

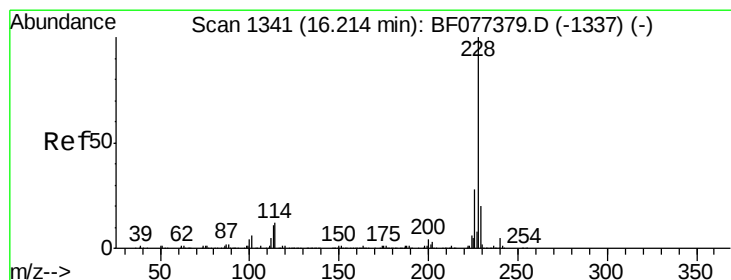
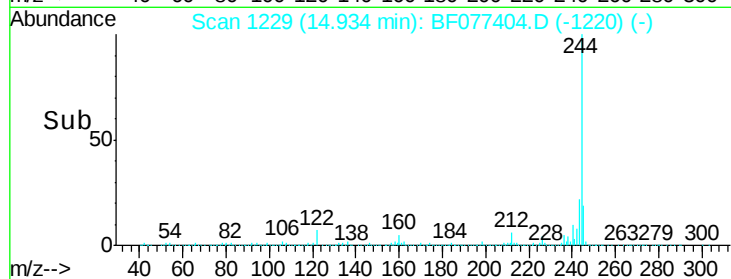
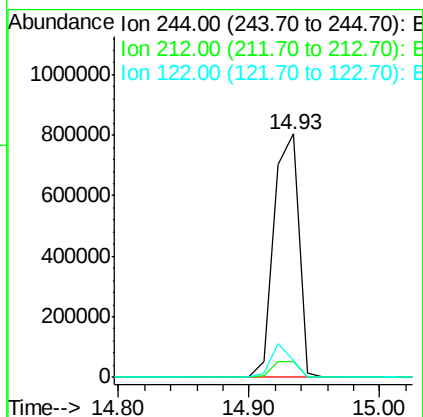
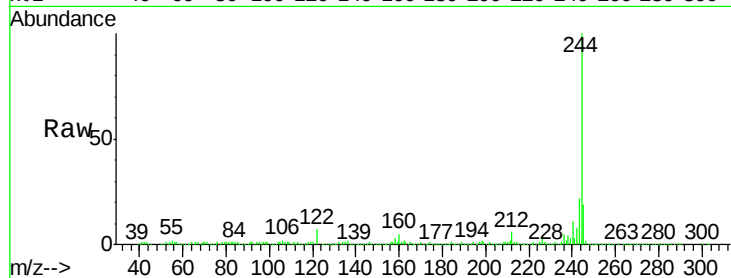




#78
 Terphenyl-d14
 Concen: 64.81 ng
 RT: 14.93 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

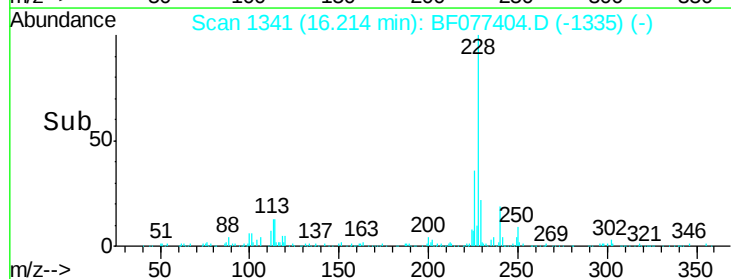
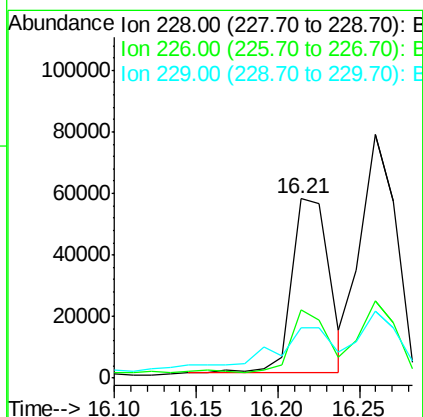
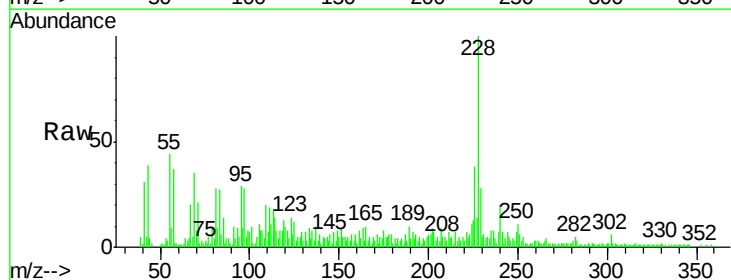
Instrument :
 BNA_F
 ClientSampled :
 HF-4

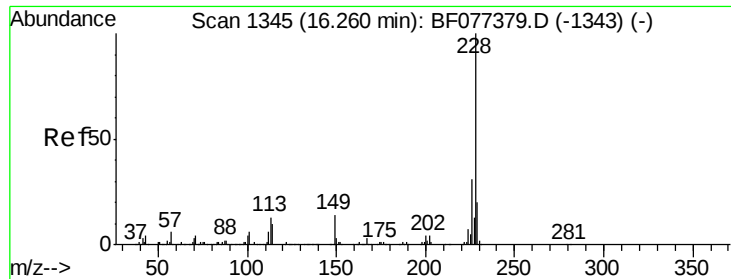
Tgt Ion:244 Resp: 1085429
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.2 7.8
 122 6.9 7.8 11.8#



#80
 Benzo(a)anthracene
 Concen: 3.92 ng
 RT: 16.21 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Tgt Ion:228 Resp: 90010
 Ion Ratio Lower Upper
 228 100
 226 38.0 22.0 33.0#
 229 28.4 15.8 23.8#





#82

Chrysene

Concen: 5.44 ng

RT: 16.26 min Scan# 1345

Delta R.T. -0.03 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Instrument :

BNA_F

ClientSampleId :

HF-4

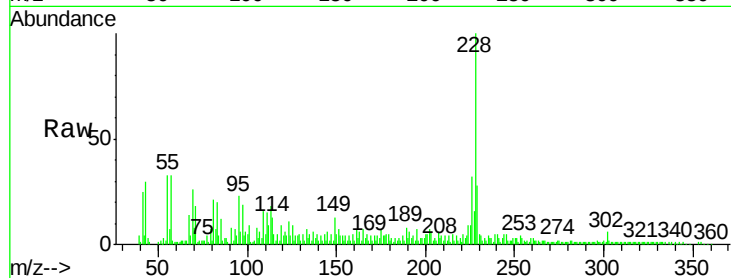
Tgt Ion:228 Resp: 117105

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

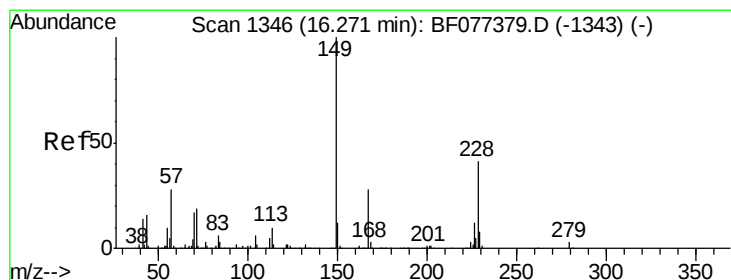
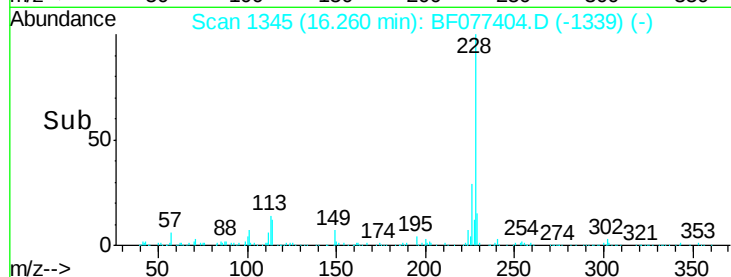
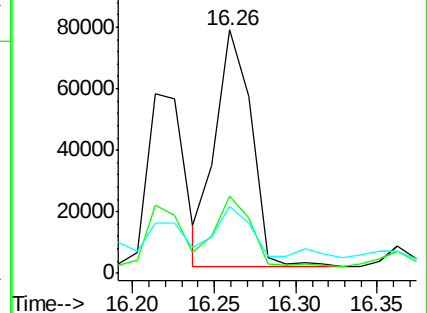
229 27.7 16.4 24.6#



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: 10.47 ng

RT: 16.28 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

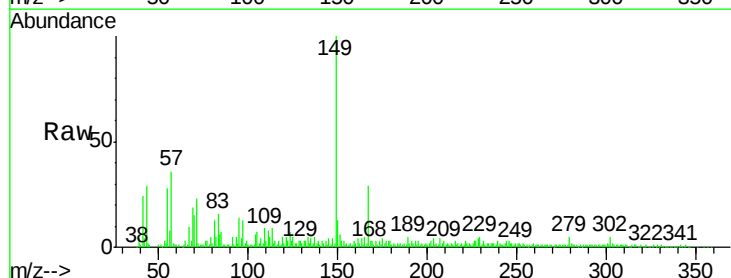
Tgt Ion:149 Resp: 165451

Ion Ratio Lower Upper

149 100

167 28.9 22.8 34.2

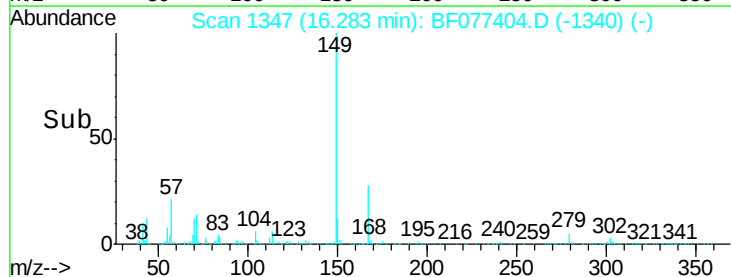
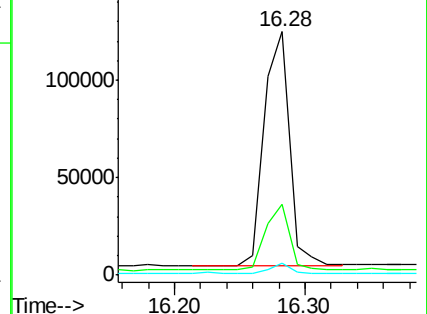
279 5.1 3.8 5.6

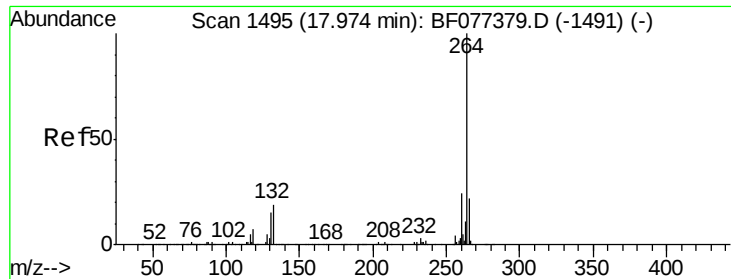


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



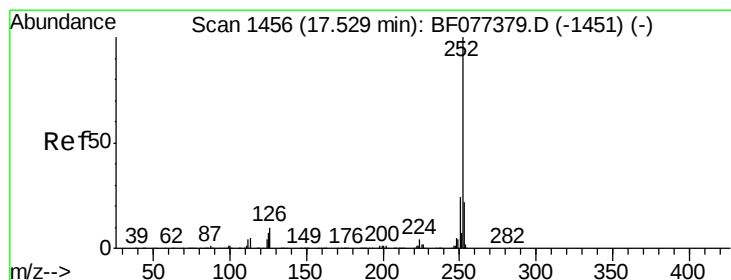
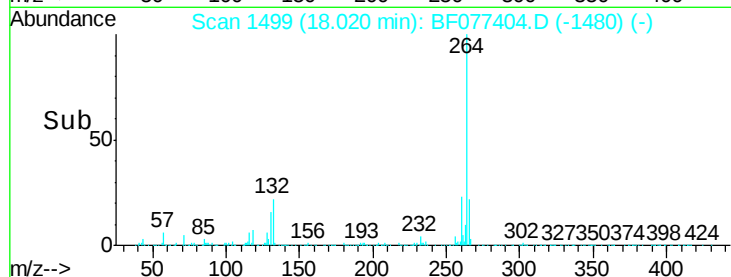
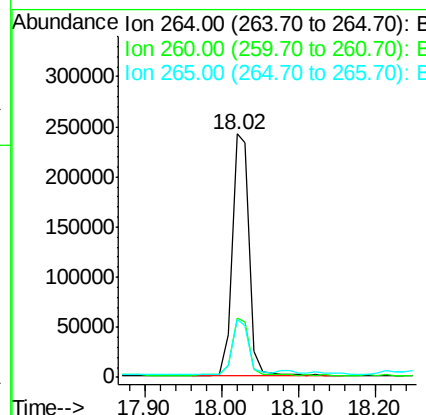
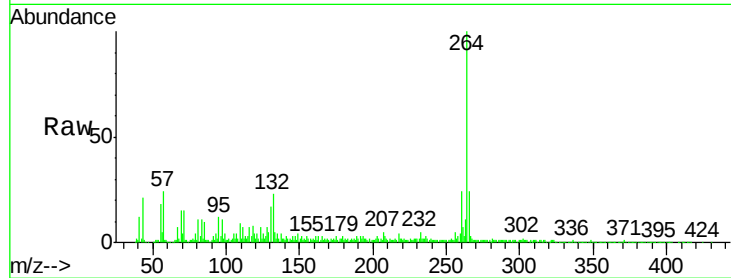


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1499
Delta R.T. -0.08 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Instrument :
BNA_F
ClientSampleId :
HF-4

Tgt Ion: 264 Resp: 379918

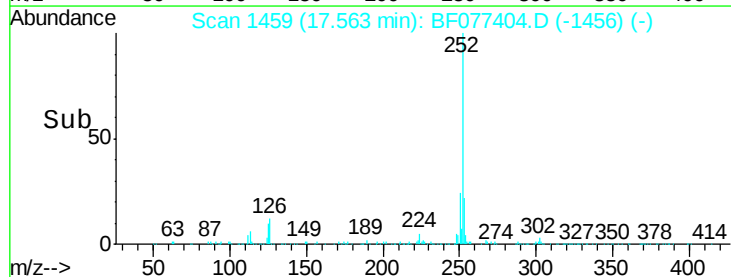
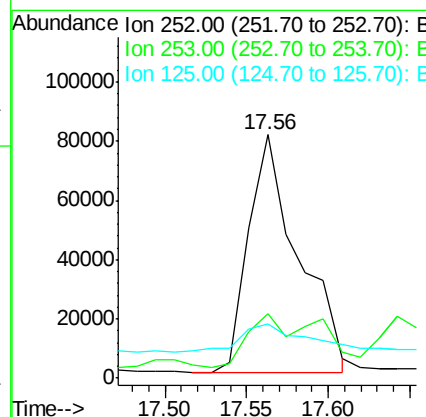
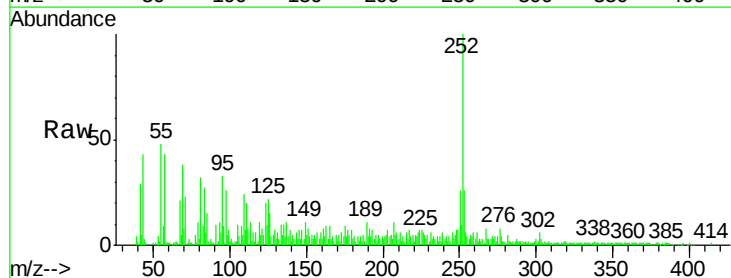
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	23.6	16.8	25.2

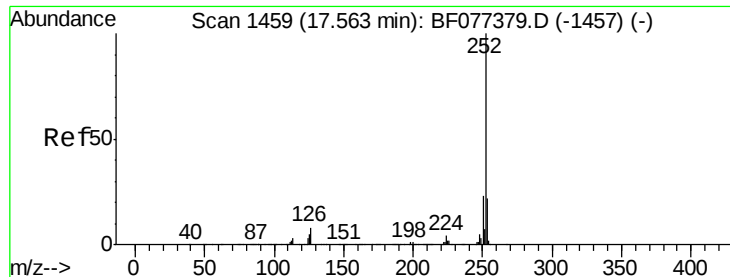


#87
Benzo(b)fluoranthene
Concen: 7.76 ng
RT: 17.56 min Scan# 1459
Delta R.T. -0.07 min
Lab File: BF077404.D
Acq: 23 Feb 2015 14:44

Tgt Ion: 252 Resp: 171346

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.6	26.4
125	22.3	5.4	8.2





#88

Benzo(k)fluoranthene

Concen: 8.07 ng

RT: 17.56 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

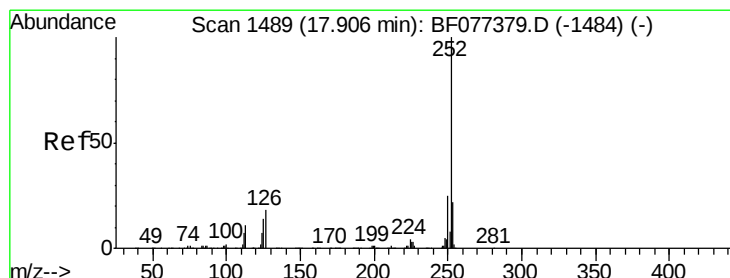
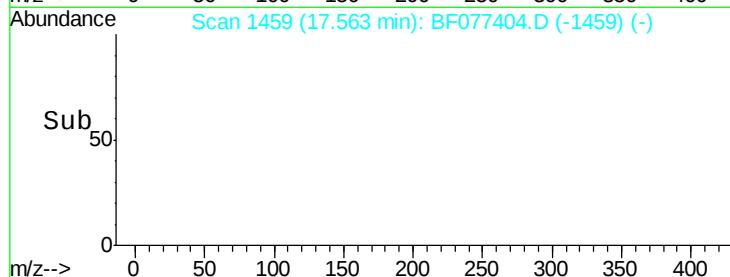
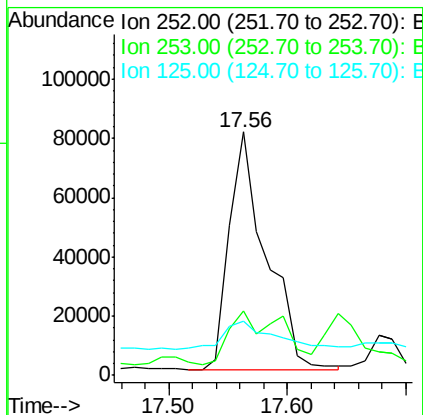
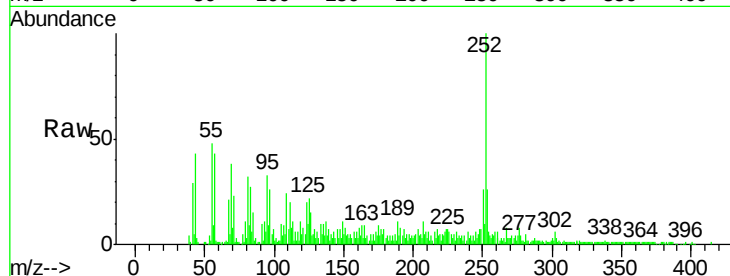
Instrument :

BNA_F

ClientSampled :

HF-4

Tgt Ion:	252	Resp:	174762
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.1	27.1
125	22.3	10.1	15.1#



#89

Benzo(a)pyrene

Concen: 3.80 ng

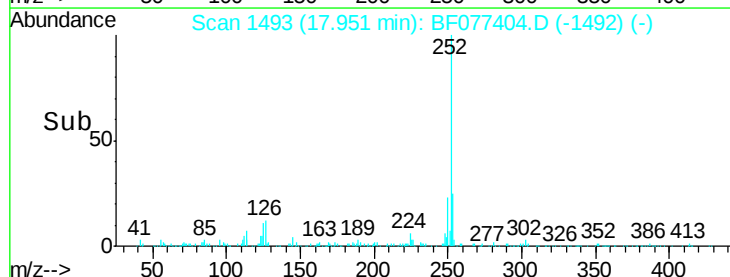
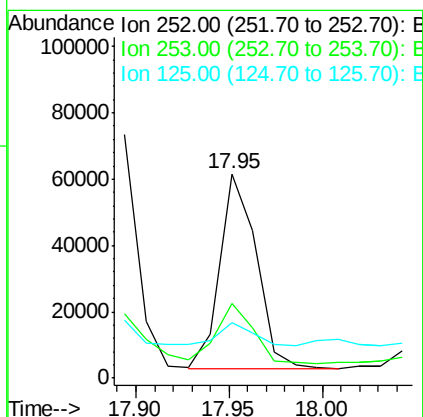
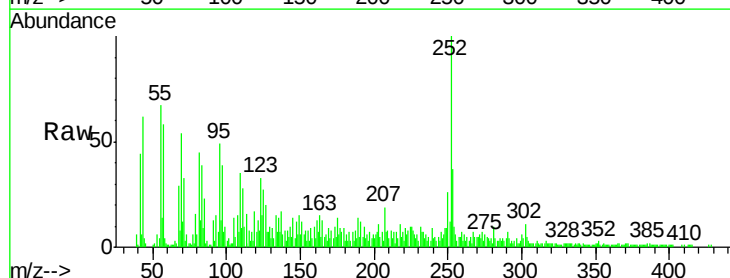
RT: 17.95 min Scan# 1493

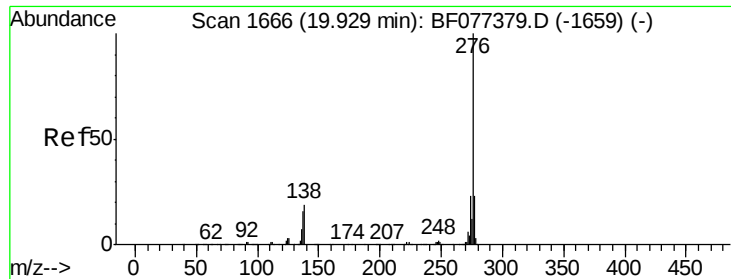
Delta R.T. -0.09 min

Lab File: BF077404.D

Acq: 23 Feb 2015 14:44

Tgt Ion:	252	Resp:	79858
Ion Ratio	Lower	Upper	
252	100		
253	36.8	18.2	27.2#
125	27.4	8.3	12.5#

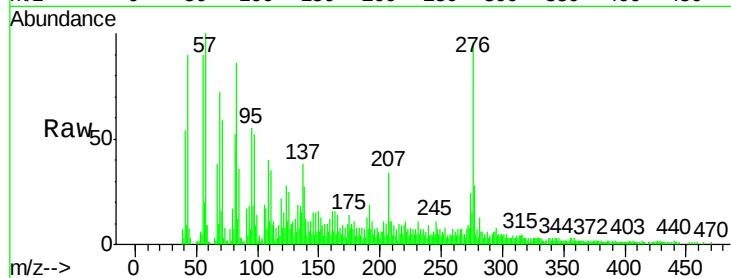




#91
 Benzo(g,h,i)perylene
 Concen: 3.21 ng
 RT: 19.97 min Scan# 1670
 Delta R.T. -0.10 min
 Lab File: BF077404.D
 Acq: 23 Feb 2015 14:44

Instrument :
 BNA_F
 ClientSampleId :
 HF-4

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.9	28.3
138	28.3	20.5	30.7



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

