

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022315\
 Data File : BF077408.D
 Acq On : 23 Feb 2015 16:38
 Operator : TP/IZ
 Sample : G1345-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX1

Quant Time: Feb 24 00:10:46 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	77586	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	327149	20.00	ng	0.00
38) Acenaphthene-d10	11.09	164	168997	20.00	ng	0.00
63) Phenanthrene-d10	12.93	188	323619	20.00	ng	0.00
75) Chrysene-d12	16.24	240	348059	20.00	ng	-0.02
86) Perylene-d12	17.99	264	338730	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	538214	115.81	ng	0.01
7) Phenol-d6	6.89	99	662177	110.82	ng	0.00
23) Nitrobenzene-d5	8.02	82	404726	76.93	ng	-0.01
41) 2,4,6-Tribromophenol	12.08	330	194658	119.63	ng	0.01
44) 2-Fluorobiphenyl	10.26	172	935608	86.32	ng	0.00
78) Terphenyl-d14	14.93	244	1062453	71.36	ng	0.00

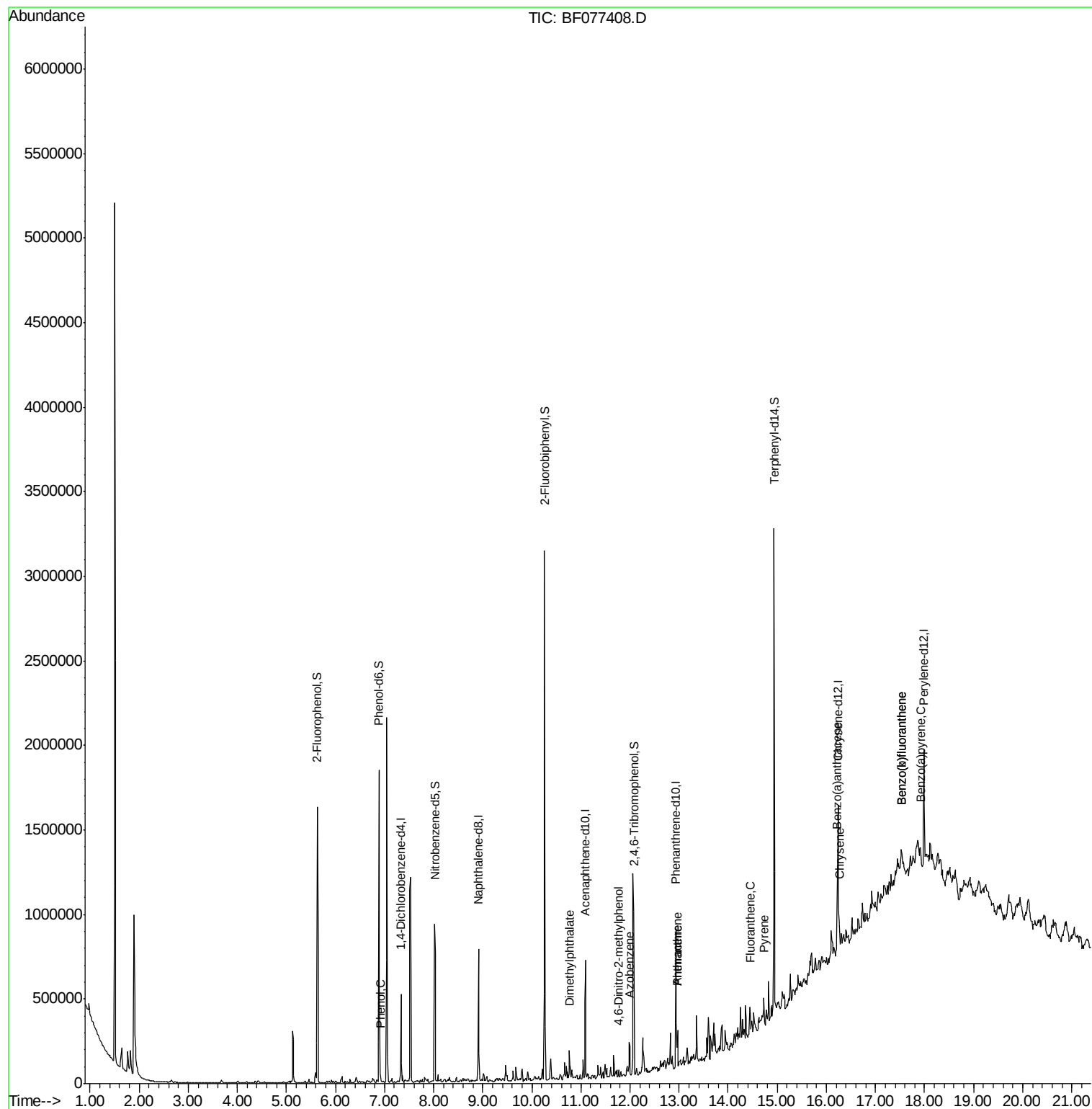
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.91	94	20831	2.94	ng	91
49) Dimethylphthalate	10.76	163	64601	5.44	ng	99
62) Azobenzene	11.99	77	49237	4.43	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.77	198	213	3.87	ng	# 1
70) Phenanthrene	12.97	178	102375	5.46	ng	99
71) Anthracene	12.97	178	100935	5.42	ng	98
74) Fluoranthene	14.44	202	84267	4.11	ng	97
77) Pyrene	14.73	202	73271	3.44	ng	98
80) Benzo(a)anthracene	16.23	228	51442	2.52	ng	# 84
82) Chrysene	16.27	228	82157	4.29	ng	# 89
87) Benzo(b)fluoranthene	17.53	252	81661	4.15	ng	# 68
88) Benzo(k)fluoranthene	17.53	252	82178	4.26	ng	# 68
89) Benzo(a)pyrene	17.92	252	39002	2.08	ng	# 55

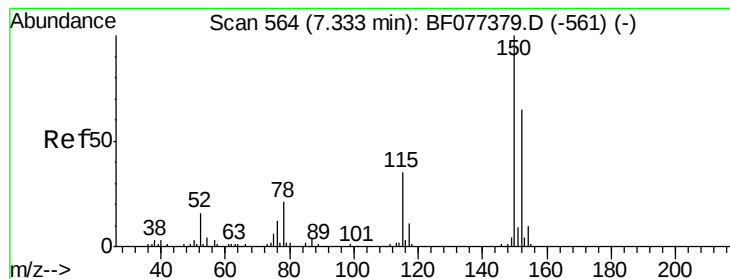
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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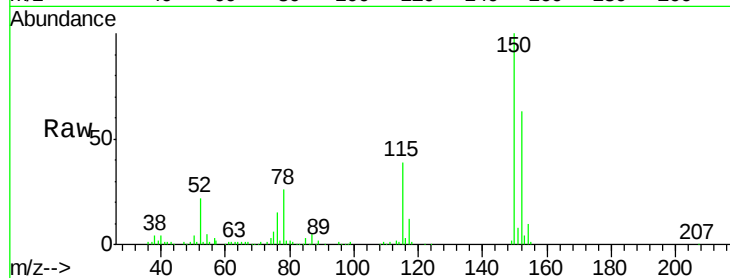




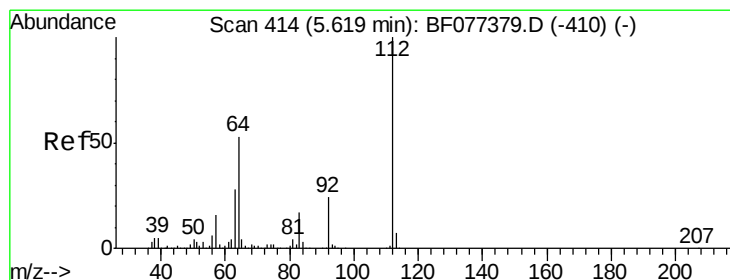
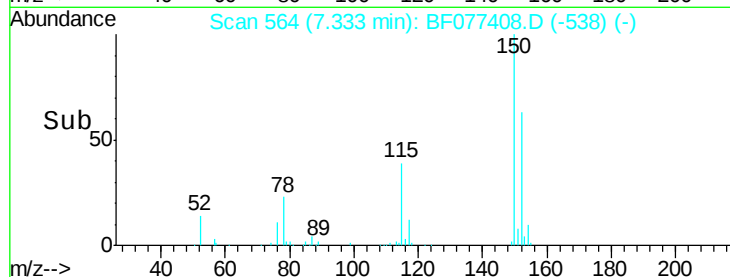
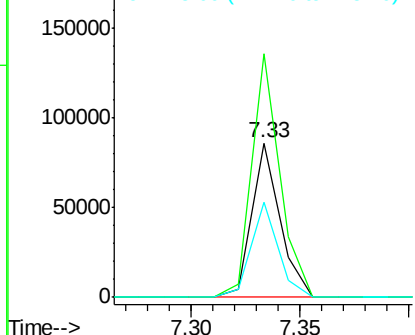
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.33 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX1

Tgt Ion:152 Resp: 77586
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.0 186.0
 115 61.7 49.4 74.2

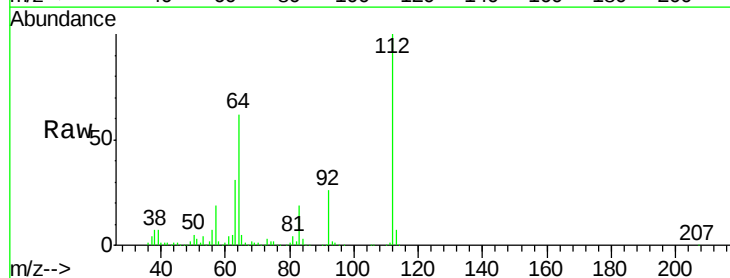


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

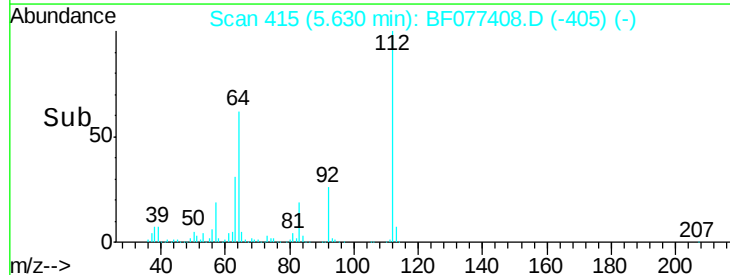
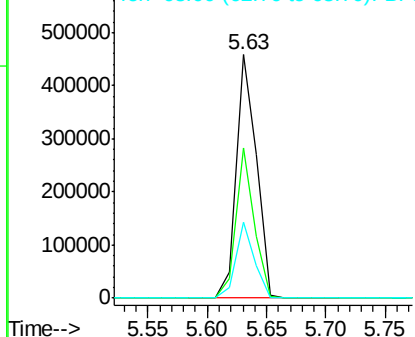


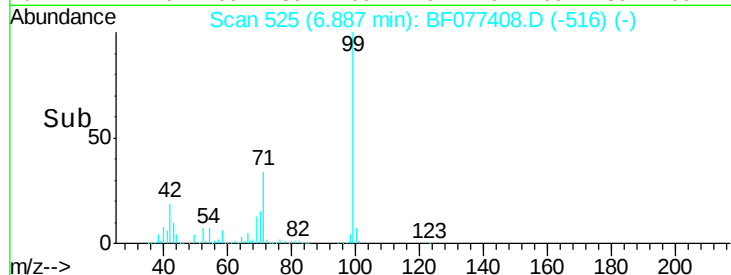
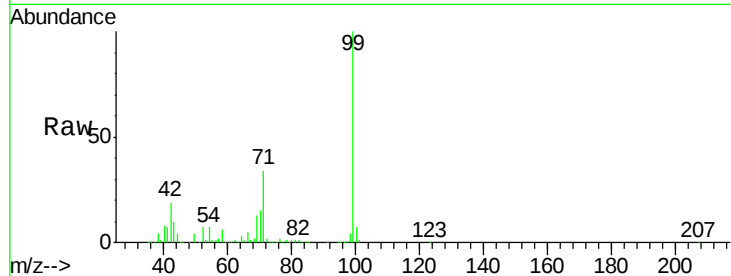
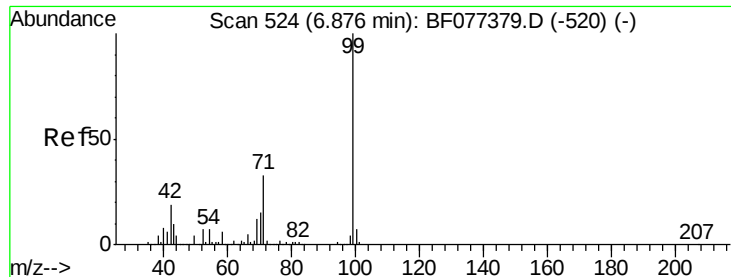
#5
 2-Fluorophenol
 Concen: 115.81 ng
 RT: 5.63 min Scan# 415
 Delta R.T. 0.01 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

Tgt Ion:112 Resp: 538214
 Ion Ratio Lower Upper
 112 100
 64 61.6 48.5 72.7
 63 31.4 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: 110.82 ng

RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

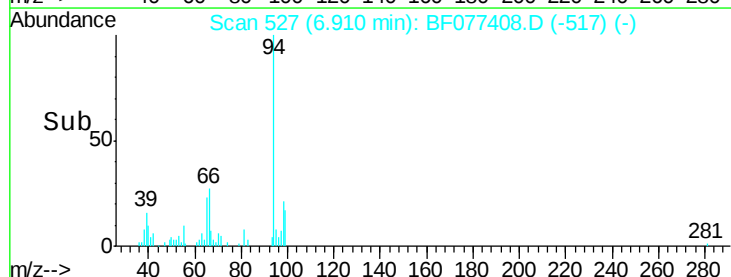
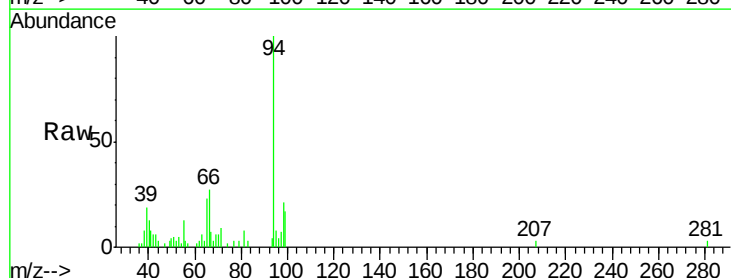
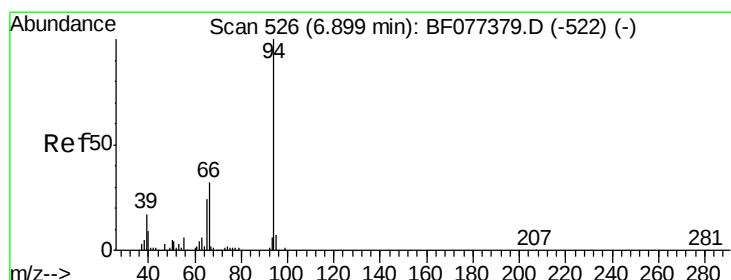
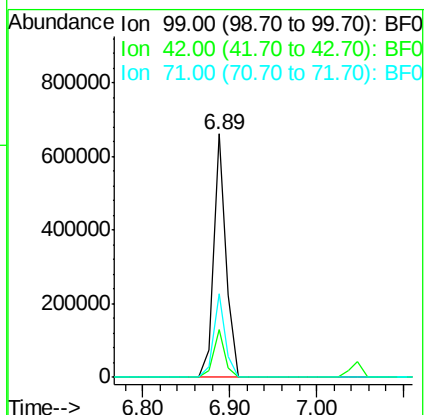
Tgt Ion: 99 Resp: 662177

Ion Ratio Lower Upper

99 100

42 19.5 16.2 24.4

71 34.1 26.7 40.1



#10

Phenol

Concen: 2.94 ng

RT: 6.91 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

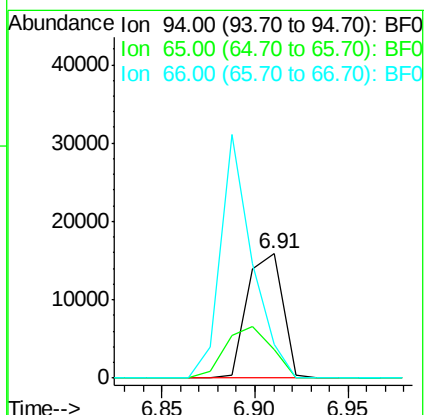
Tgt Ion: 94 Resp: 20831

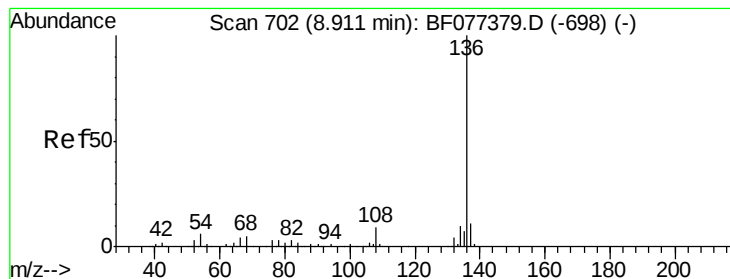
Ion Ratio Lower Upper

94 100

65 22.6 5.7 45.7

66 27.0 13.6 53.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.91 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

Tgt Ion:136 Resp: 327149

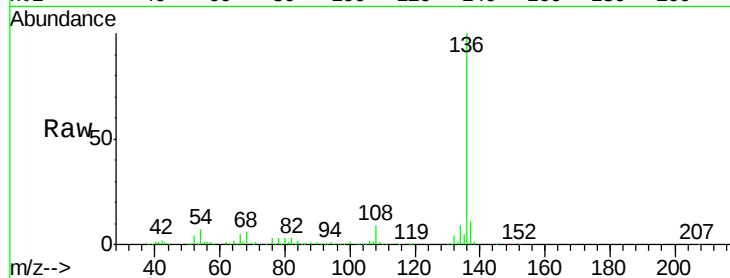
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 7.2 6.2 9.4

68 5.9 5.0 7.6

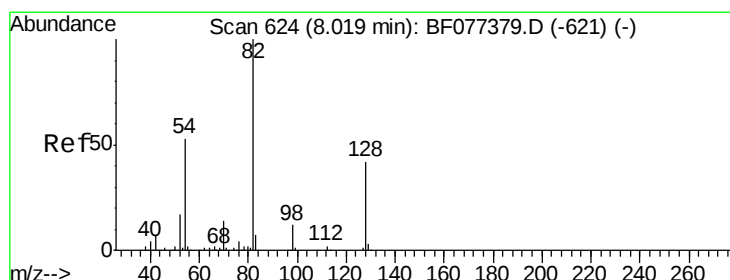
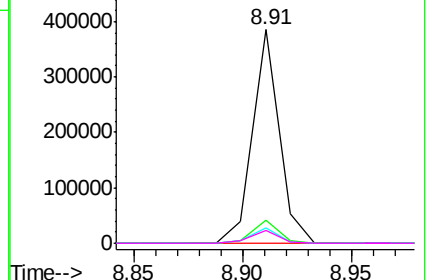
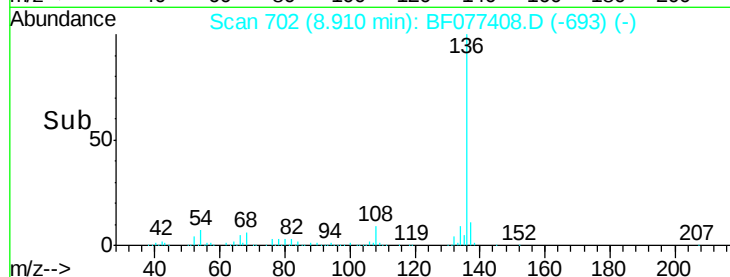


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.93 ng

RT: 8.02 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

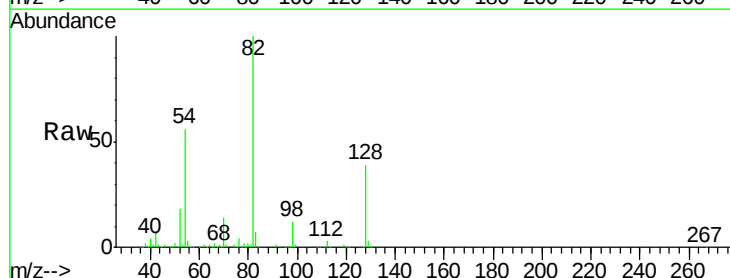
Tgt Ion: 82 Resp: 404726

Ion Ratio Lower Upper

82 100

128 38.9 43.8 65.8#

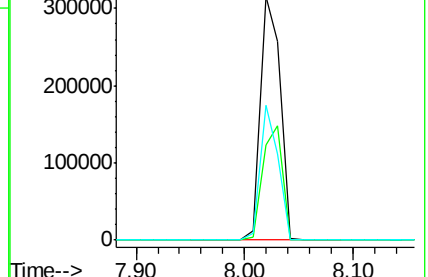
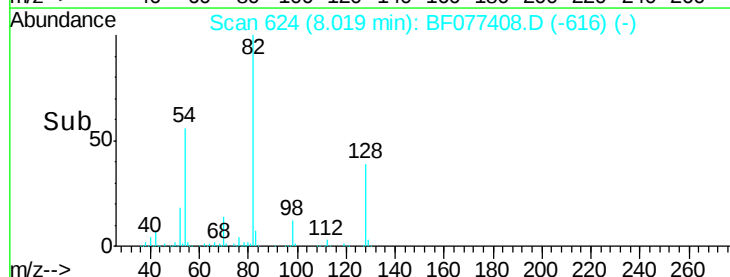
54 55.5 36.7 55.1#

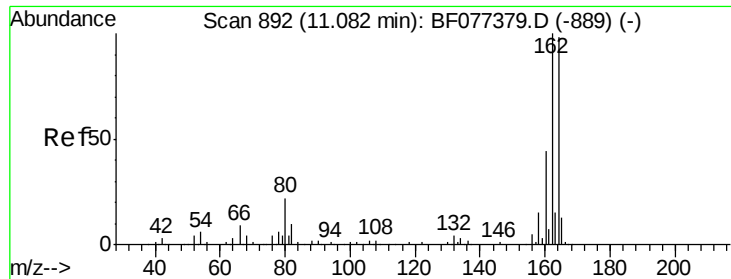


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

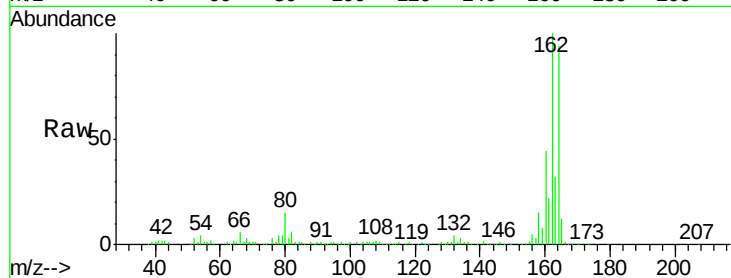




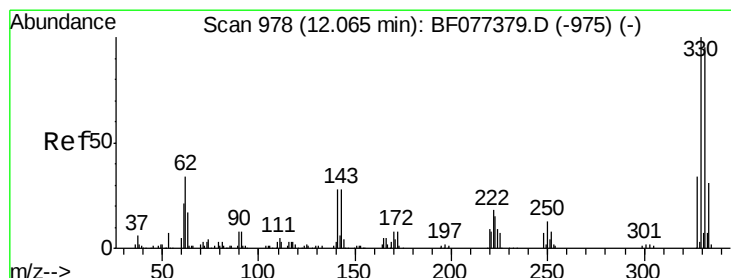
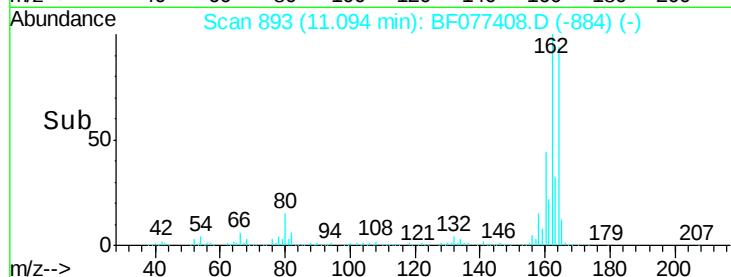
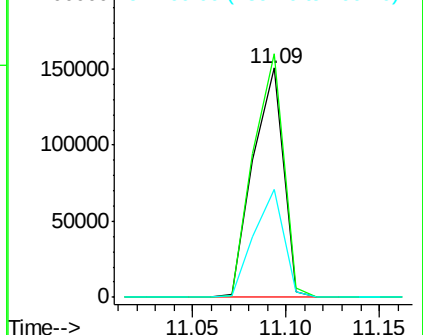
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF077408.D
Acq: 23 Feb 2015 16:38

Instrument :
BNA_F
ClientSampleId :
UB10PX1

Tgt Ion:164 Resp: 168997
Ion Ratio Lower Upper
164 100
162 106.3 83.2 124.8
160 47.0 34.6 52.0

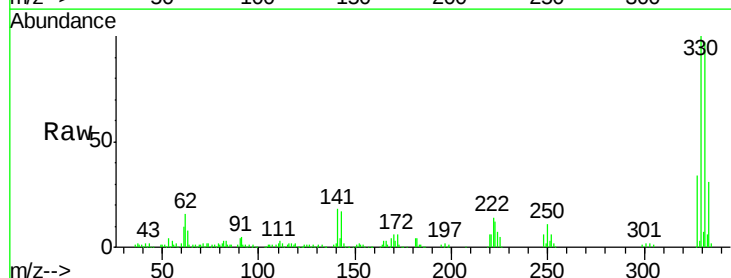


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

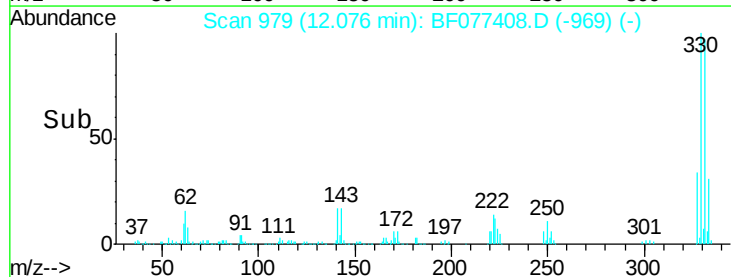
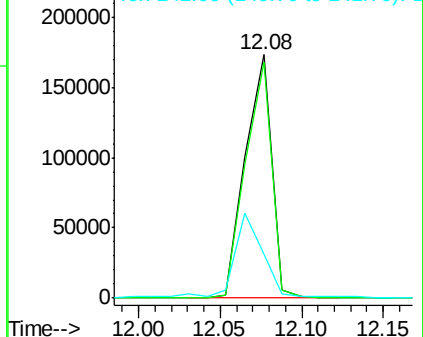


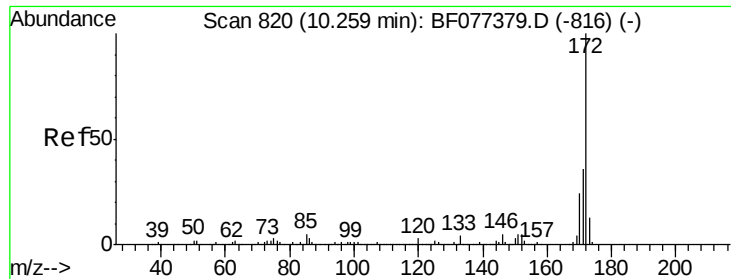
#41
2,4,6-Tribromophenol
Concen: 119.63 ng
RT: 12.08 min Scan# 979
Delta R.T. 0.01 min
Lab File: BF077408.D
Acq: 23 Feb 2015 16:38

Tgt Ion:330 Resp: 194658
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

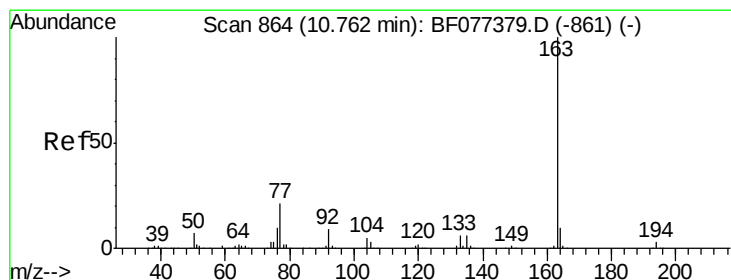
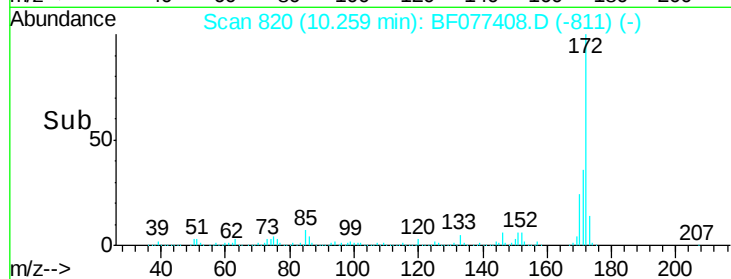
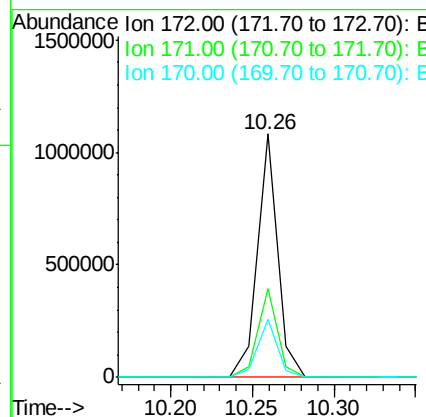
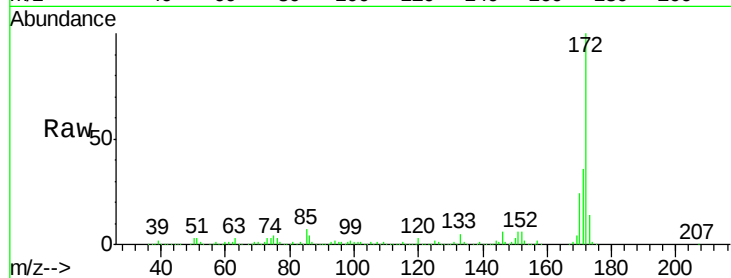




#44
 2-Fluorobiphenyl
 Concen: 86.32 ng
 RT: 10.26 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

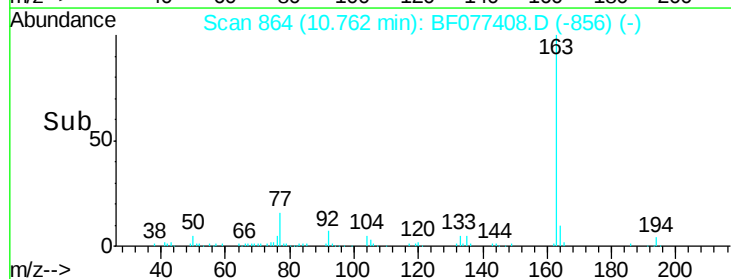
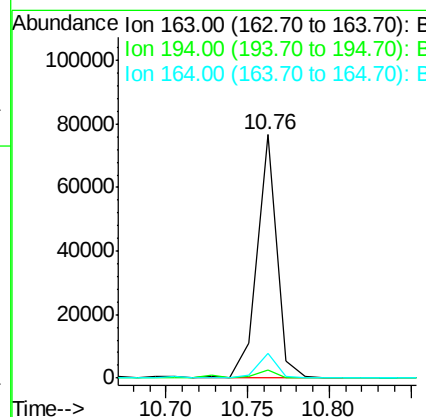
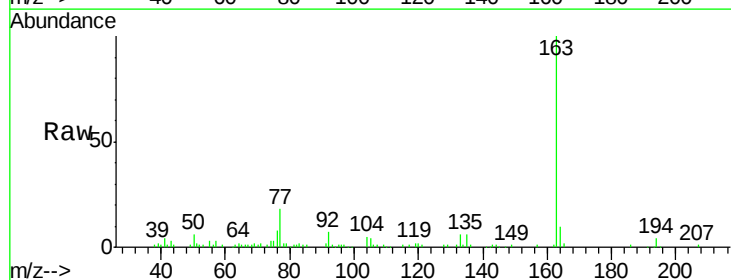
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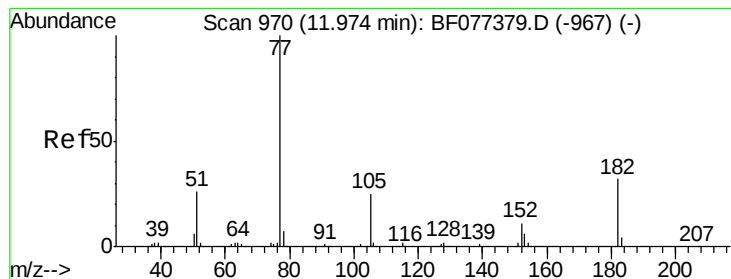
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.0	19.4	29.2



#49
 Dimethylphthalate
 Concen: 5.44 ng
 RT: 10.76 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.2	8.6	13.0





#62

Azobenzene

Concen: 4.43 ng

RT: 11.99 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

Tgt Ion: 77 Resp: 49237

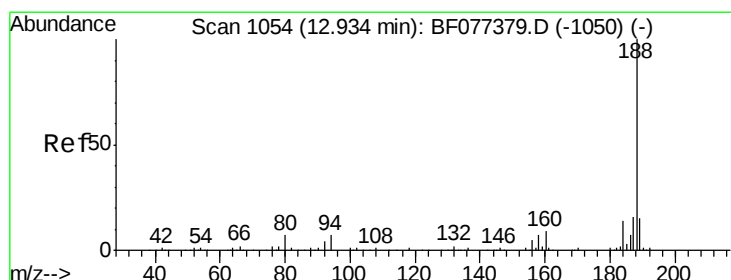
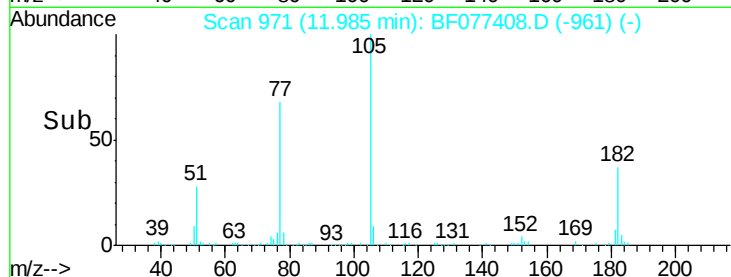
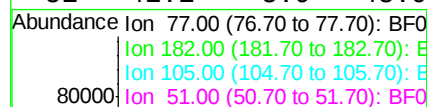
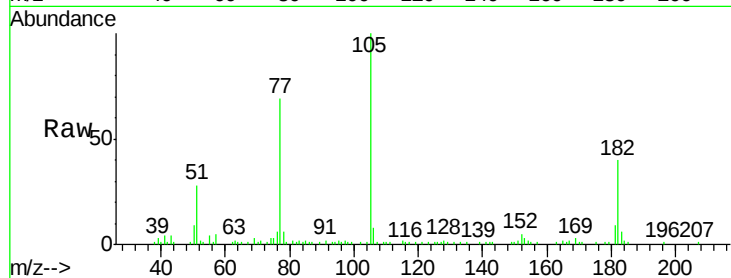
Ion Ratio Lower Upper

77 100

182 58.1 4.9 44.9#

105 145.7 3.3 43.3#

51 41.1 8.9 48.9



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.93 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

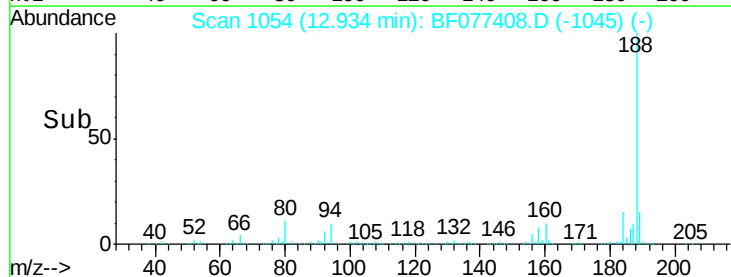
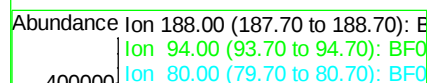
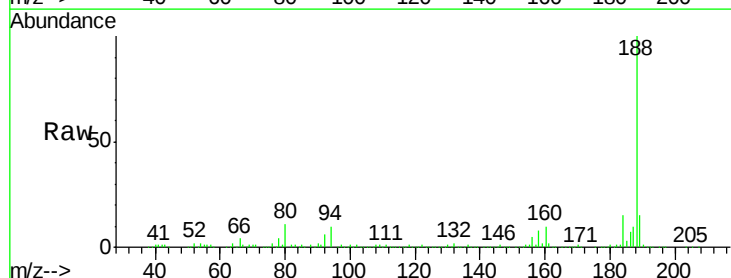
Tgt Ion: 188 Resp: 323619

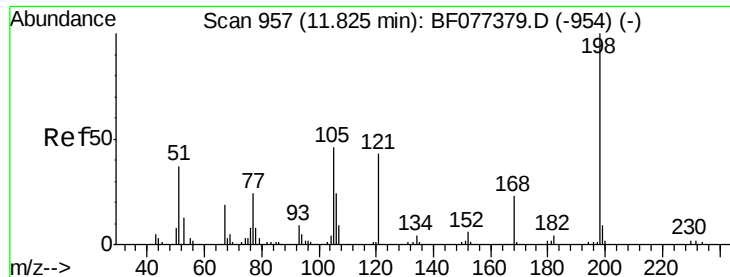
Ion Ratio Lower Upper

188 100

94 10.4 7.4 11.2

80 11.3 8.0 12.0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.87 ng

RT: 11.77 min Scan# 952

Delta R.T. -0.07 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

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UB10PX1

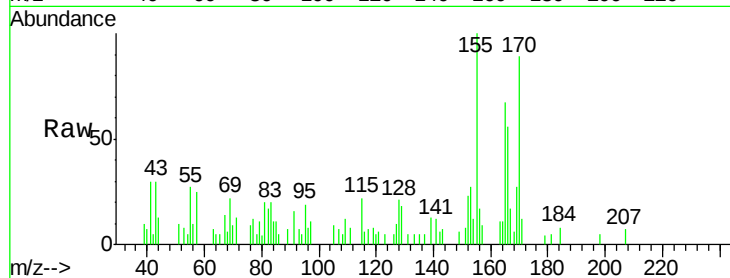
Tgt Ion:198 Resp: 213

Ion Ratio Lower Upper

198 100

51 219.3 2.7 42.7#

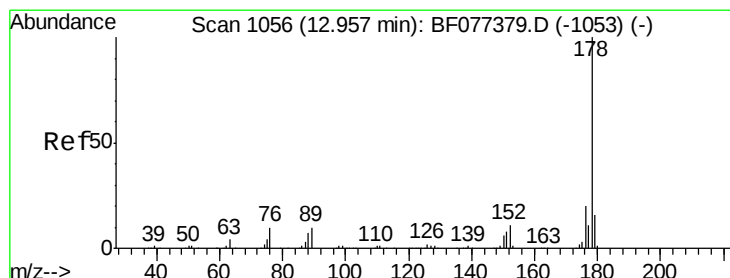
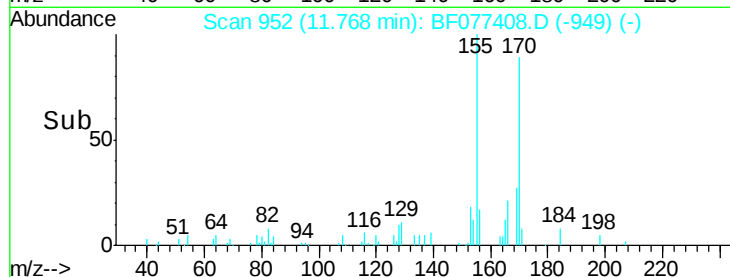
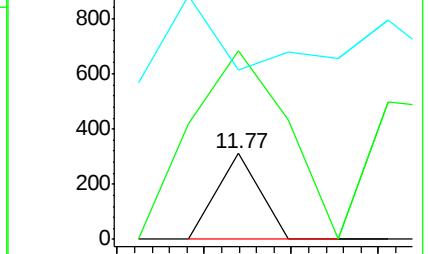
105 198.1 10.0 50.0#



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: 5.46 ng

RT: 12.97 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

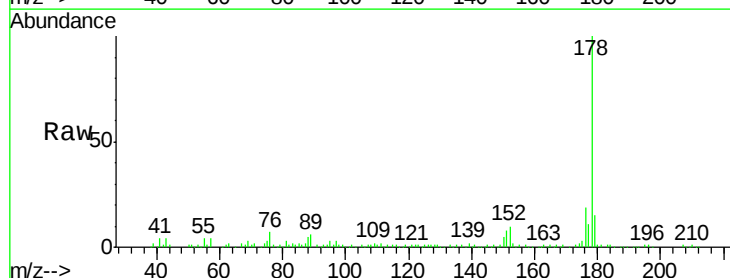
Tgt Ion:178 Resp: 102375

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

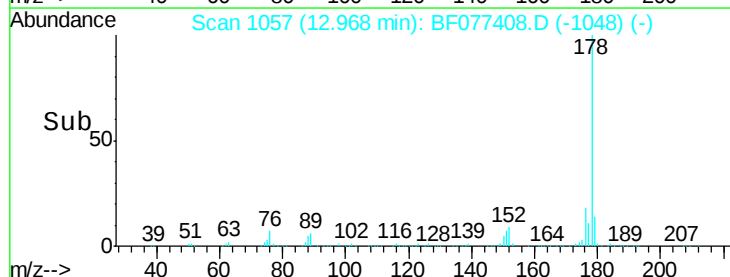
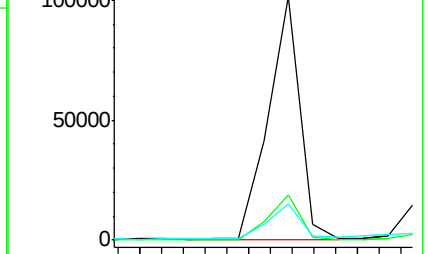
179 15.1 12.2 18.2

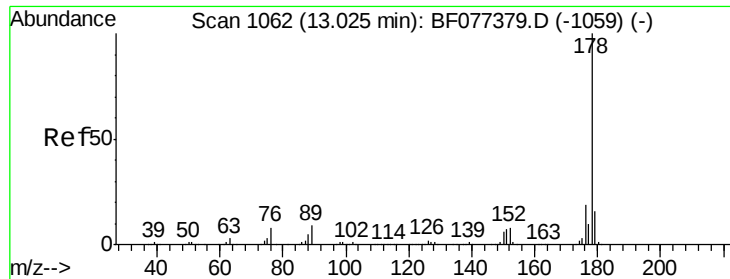


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

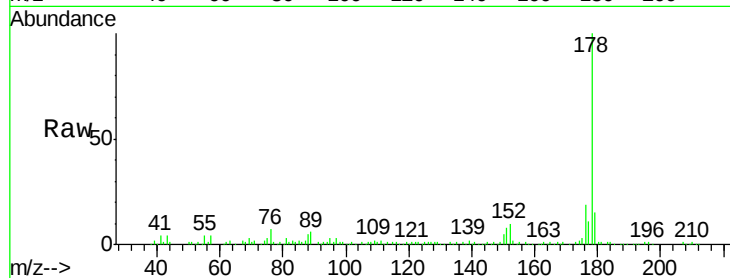




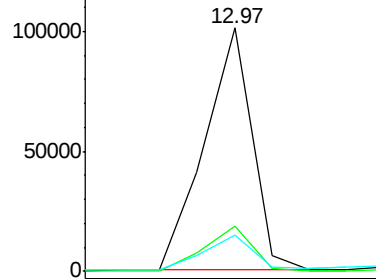
#71
 Anthracene
 Concen: 5.42 ng
 RT: 12.97 min Scan# 1057
 Delta R.T. -0.06 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX1

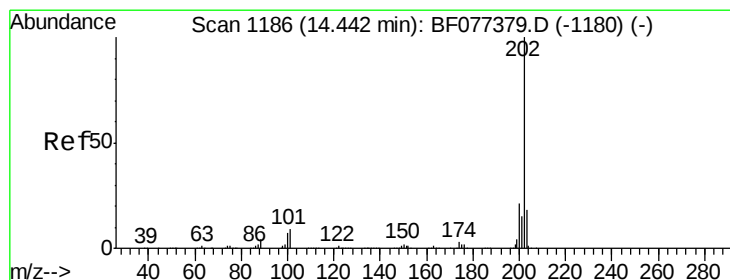
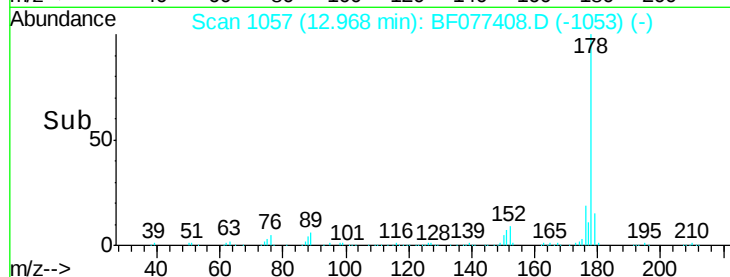
Tgt Ion:178 Resp: 100935
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.1 12.9 19.3



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

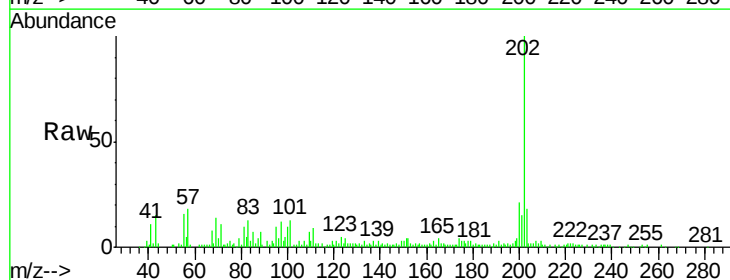


Time-->

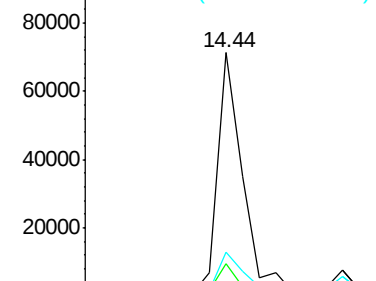


#74
 Fluoranthene
 Concen: 4.11 ng
 RT: 14.44 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF077408.D
 Acq: 23 Feb 2015 16:38

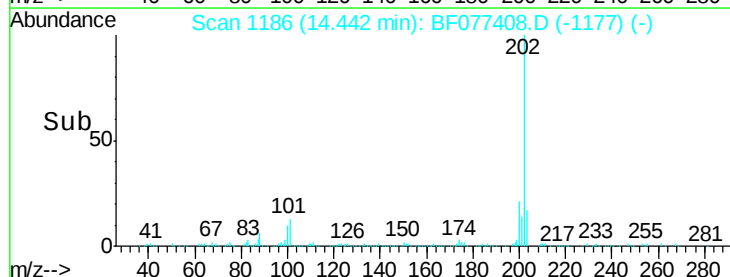
Tgt Ion:202 Resp: 84267
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 30.8
 203 18.1 0.0 37.7

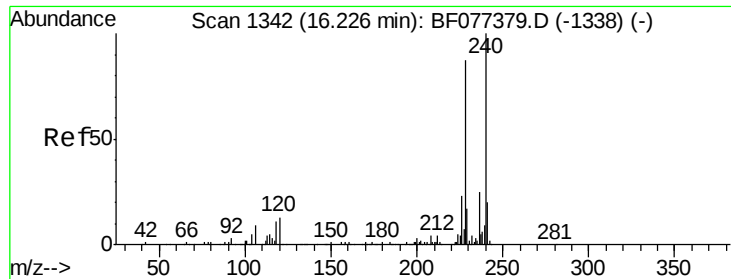


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.24 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

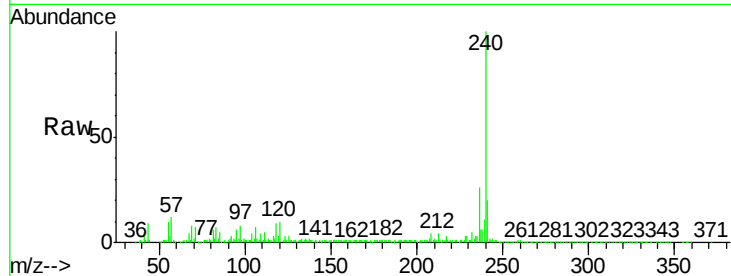
Tgt Ion:240 Resp: 348059

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 26.4 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

16.24

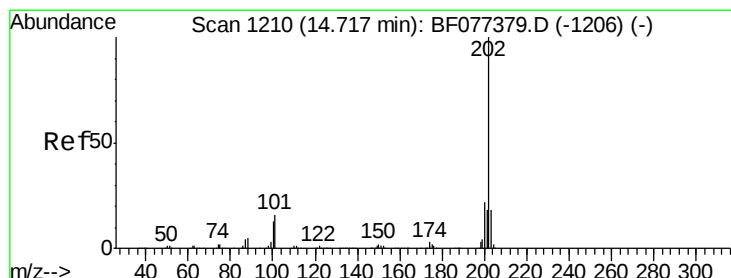
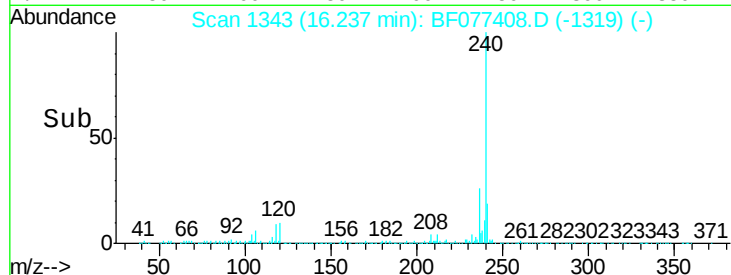
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 3.44 ng

RT: 14.73 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

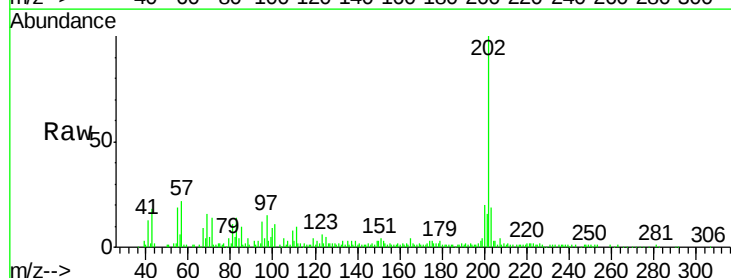
Tgt Ion:202 Resp: 73271

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 18.7 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

14.73

100000

80000

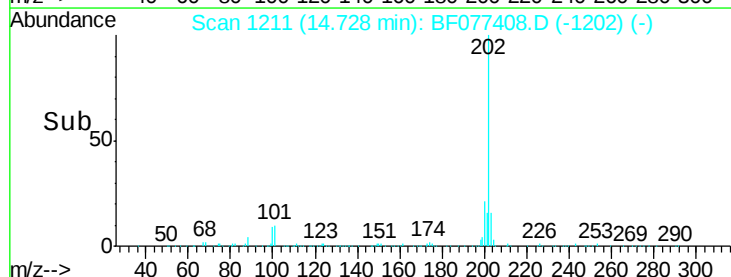
60000

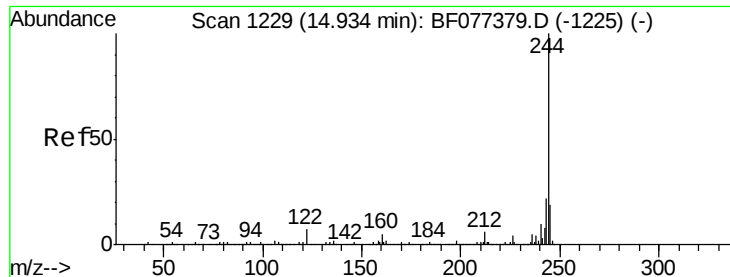
40000

20000

0

Time-->





#78

Terphenyl-d14

Concen: 71.36 ng

RT: 14.93 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

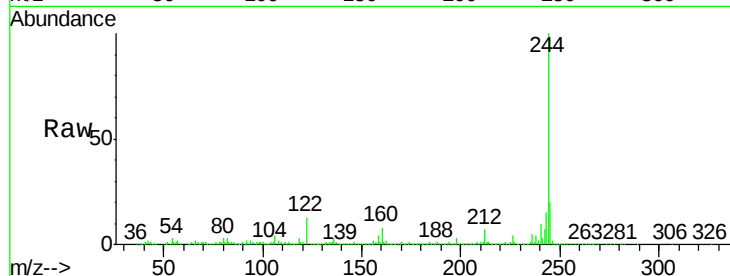
Tgt Ion:244 Resp: 1062453

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

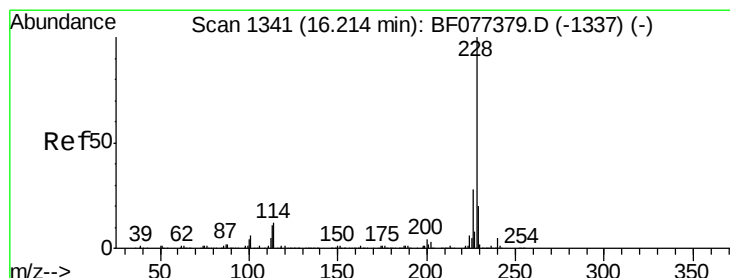
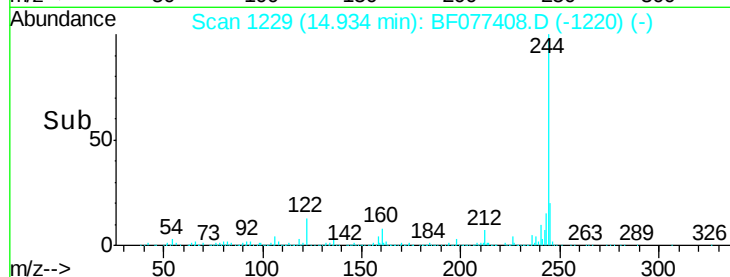
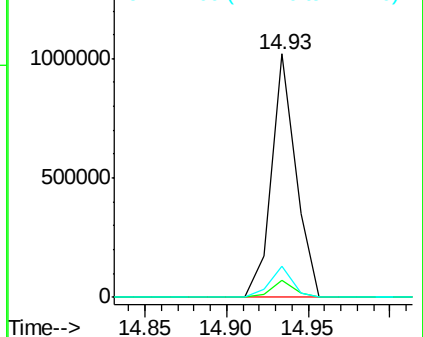
122 13.0 7.8 11.8#



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: 2.52 ng

RT: 16.23 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

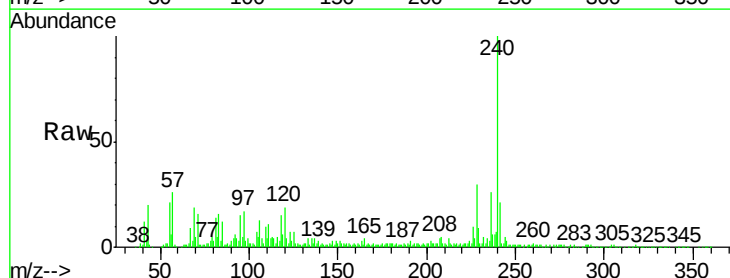
Tgt Ion:228 Resp: 51442

Ion Ratio Lower Upper

228 100

226 32.8 22.0 33.0

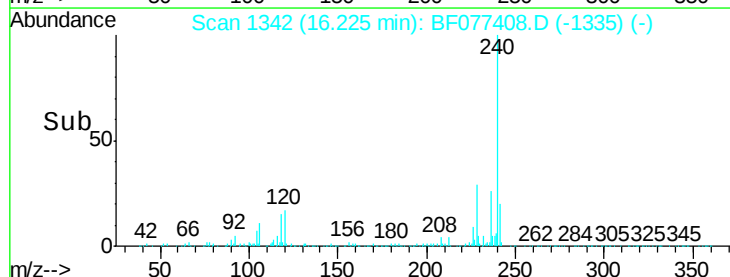
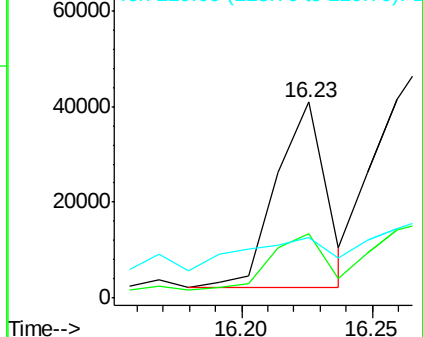
229 31.2 15.8 23.8#

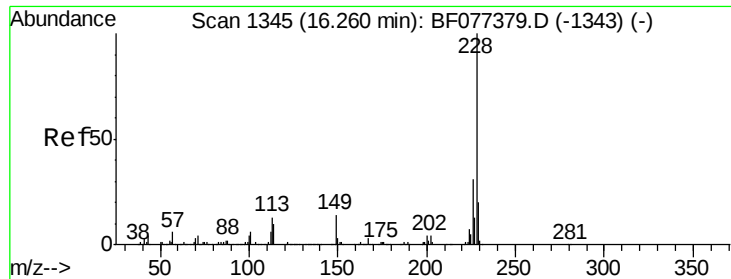


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.29 ng

RT: 16.27 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

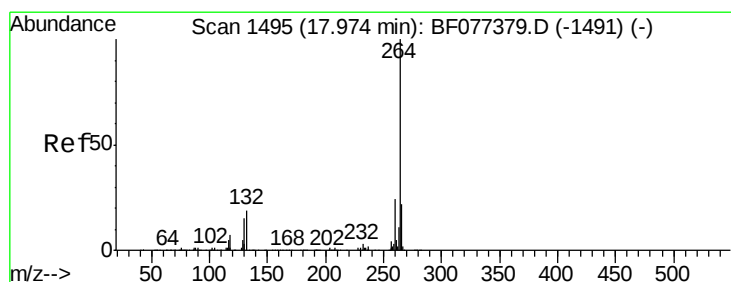
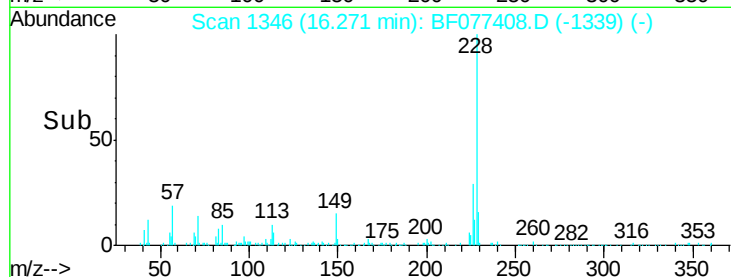
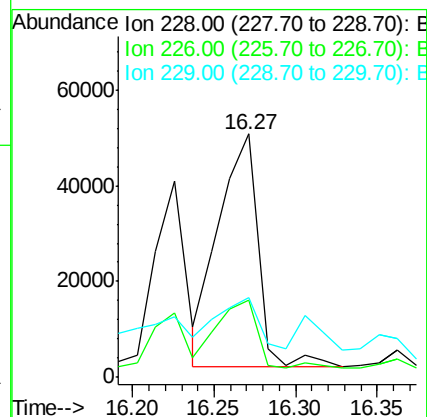
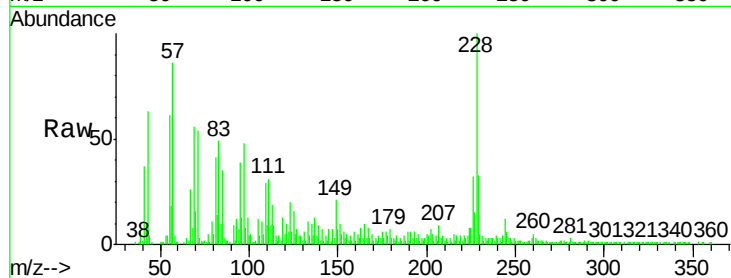
Tgt Ion:228 Resp: 82157

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

229 32.8 16.4 24.6#



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1496

Delta R.T. -0.11 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

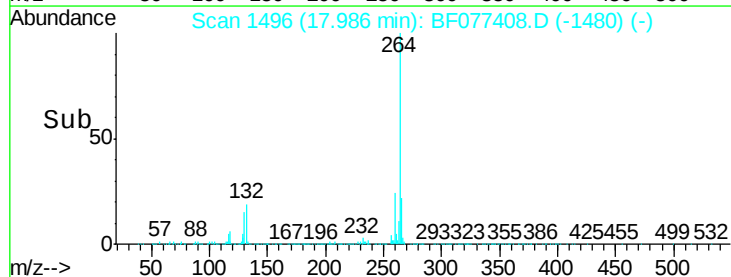
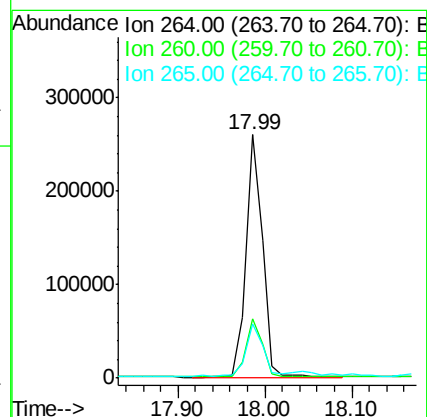
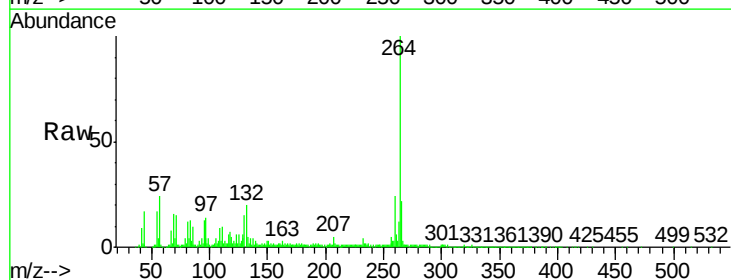
Tgt Ion:264 Resp: 338730

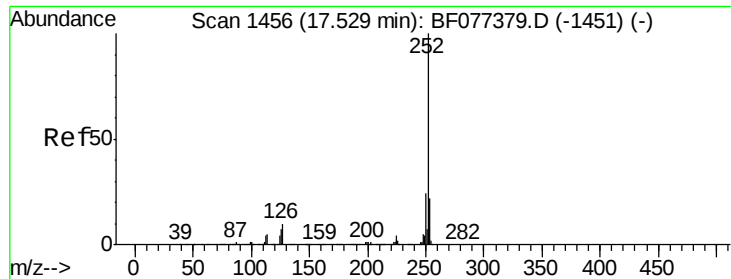
Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 22.4 16.8 25.2





#87

Benzo(b)fluoranthene

Concen: 4.15 ng

RT: 17.53 min Scan# 1456

Delta R.T. -0.10 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

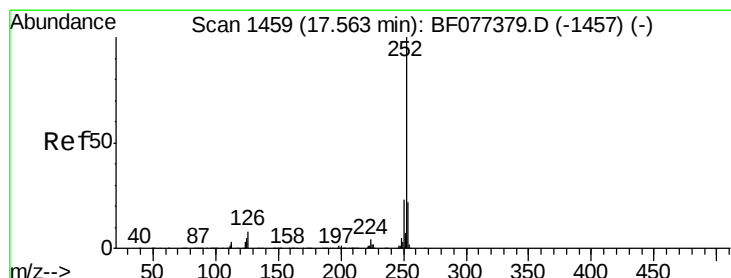
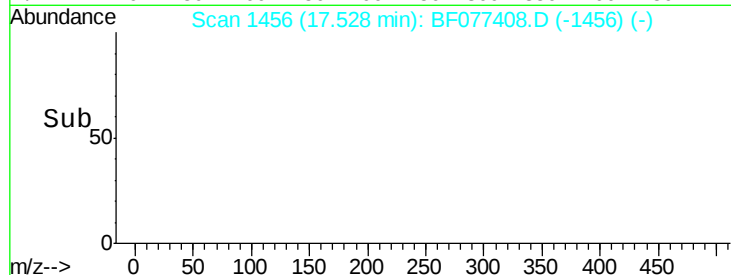
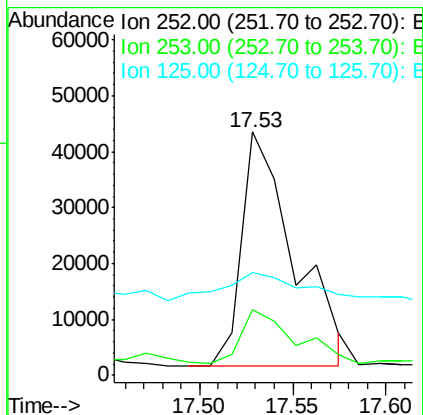
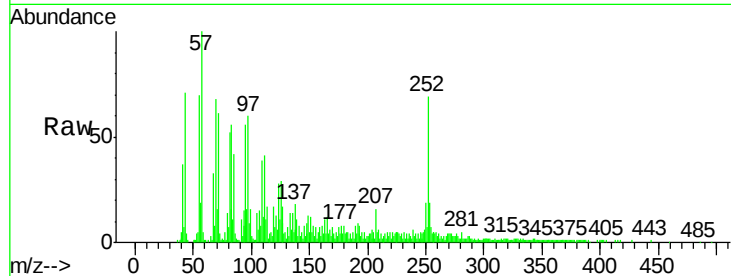
Tgt Ion:252 Resp: 81661

Ion Ratio Lower Upper

252 100

253 26.8 17.6 26.4#

125 42.2 5.4 8.2#



#88

Benzo(k)fluoranthene

Concen: 4.26 ng

RT: 17.53 min Scan# 1456

Delta R.T. -0.14 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

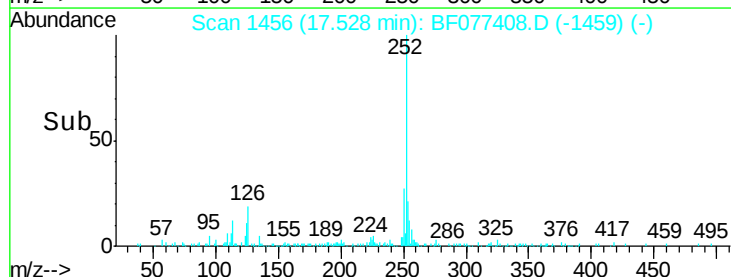
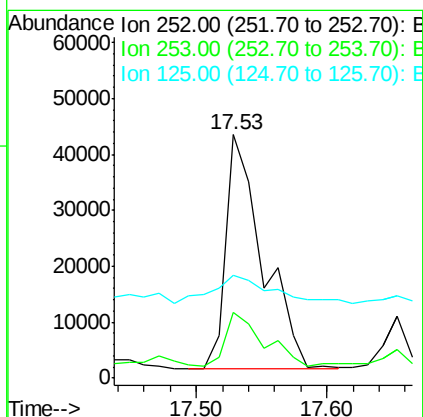
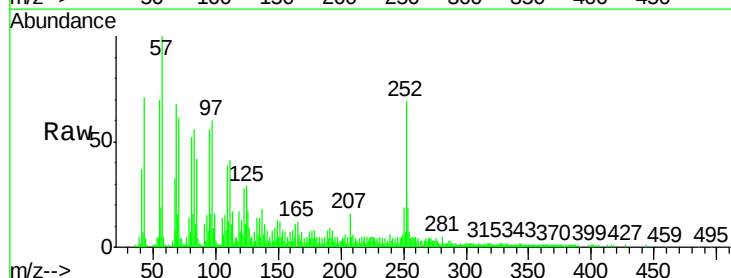
Tgt Ion:252 Resp: 82178

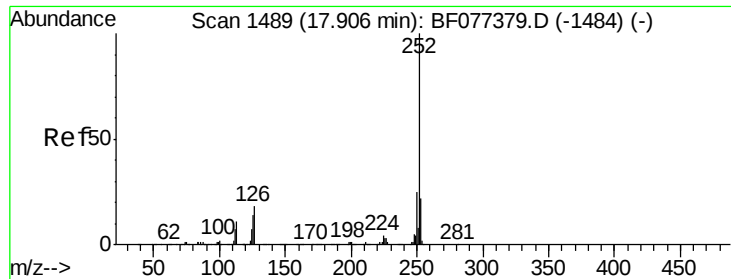
Ion Ratio Lower Upper

252 100

253 26.8 18.1 27.1

125 42.2 10.1 15.1#





#89

Benzo(a)pyrene

Concen: 2.08 ng

RT: 17.92 min Scan# 1490

Delta R.T. -0.13 min

Lab File: BF077408.D

Acq: 23 Feb 2015 16:38

Instrument :

BNA_F

ClientSampleId :

UB10PX1

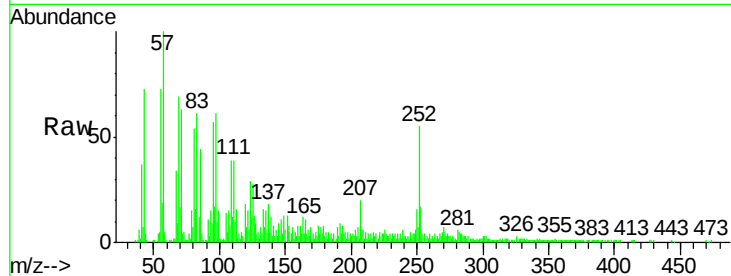
Tgt Ion: 252 Resp: 39002

Ion Ratio Lower Upper

252 100

253 30.8 18.2 27.2#

125 50.7 8.3 12.5#



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

