

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030915\
 Data File : BF077648.D
 Acq On : 9 Mar 2015 20:01
 Operator : TP/IZ
 Sample : G1453-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEP2

Quant Time: Mar 10 00:05:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 00:35:08 2015
 Response via : Initial Calibration

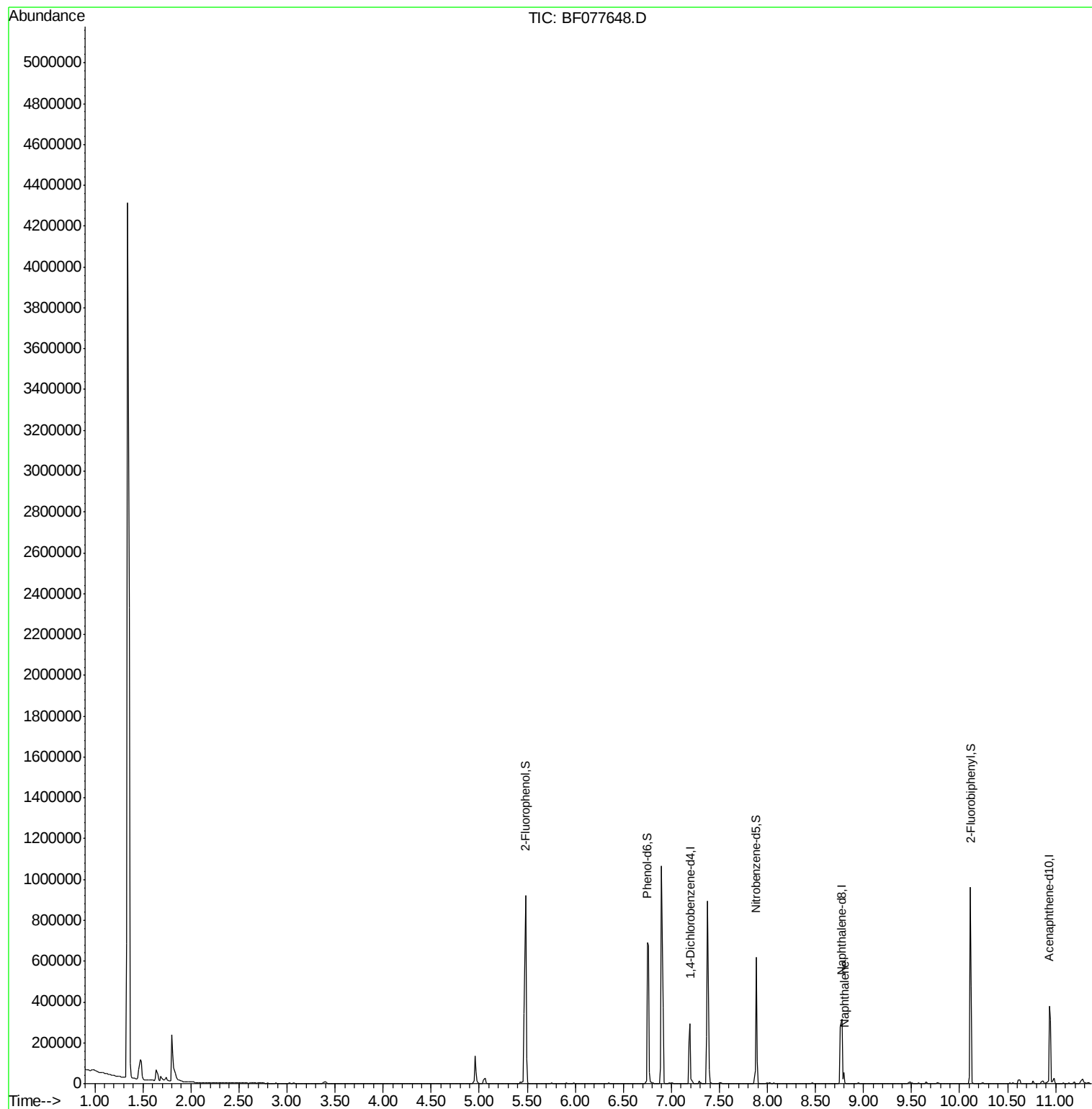
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.19	152	59364	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	213179	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	107962	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	214481	20.00	ng	0.00
75) Chrysene-d12	16.07	240	243307	20.00	ng	0.01
86) Perylene-d12	17.87	264	262968	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	293553	82.55	ng	0.00
7) Phenol-d6	6.76	99	374106	81.82	ng	0.00
23) Nitrobenzene-d5	7.88	82	190325	55.52	ng	0.00
41) 2,4,6-Tribromophenol	11.92	330	86576	83.28	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	368192	53.18	ng	0.00
78) Terphenyl-d14	14.77	244	435471	41.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.79	128	26385	2.47	ng	99
70) Phenanthrene	12.81	178	145195	11.68	ng	98
71) Anthracene	12.87	178	36078	2.92	ng	97
74) Fluoranthene	14.28	202	243635	17.94	ng	98
77) Pyrene	14.56	202	223657	15.03	ng	97
80) Benzo(a)anthracene	16.06	228	110928	7.78	ng	98
82) Chrysene	16.10	228	102562	7.66	ng	97
85) Indeno(1,2,3-cd)pyrene	19.28	276	61863	4.05	ng	96
87) Benzo(b)fluoranthene	17.41	252	184592	12.07	ng	# 94
88) Benzo(k)fluoranthene	17.41	252	144299	9.63	ng	99
89) Benzo(a)pyrene	17.80	252	103453	7.10	ng	# 97
91) Benzo(g,h,i)perylene	19.70	276	64120	4.57	ng	94

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

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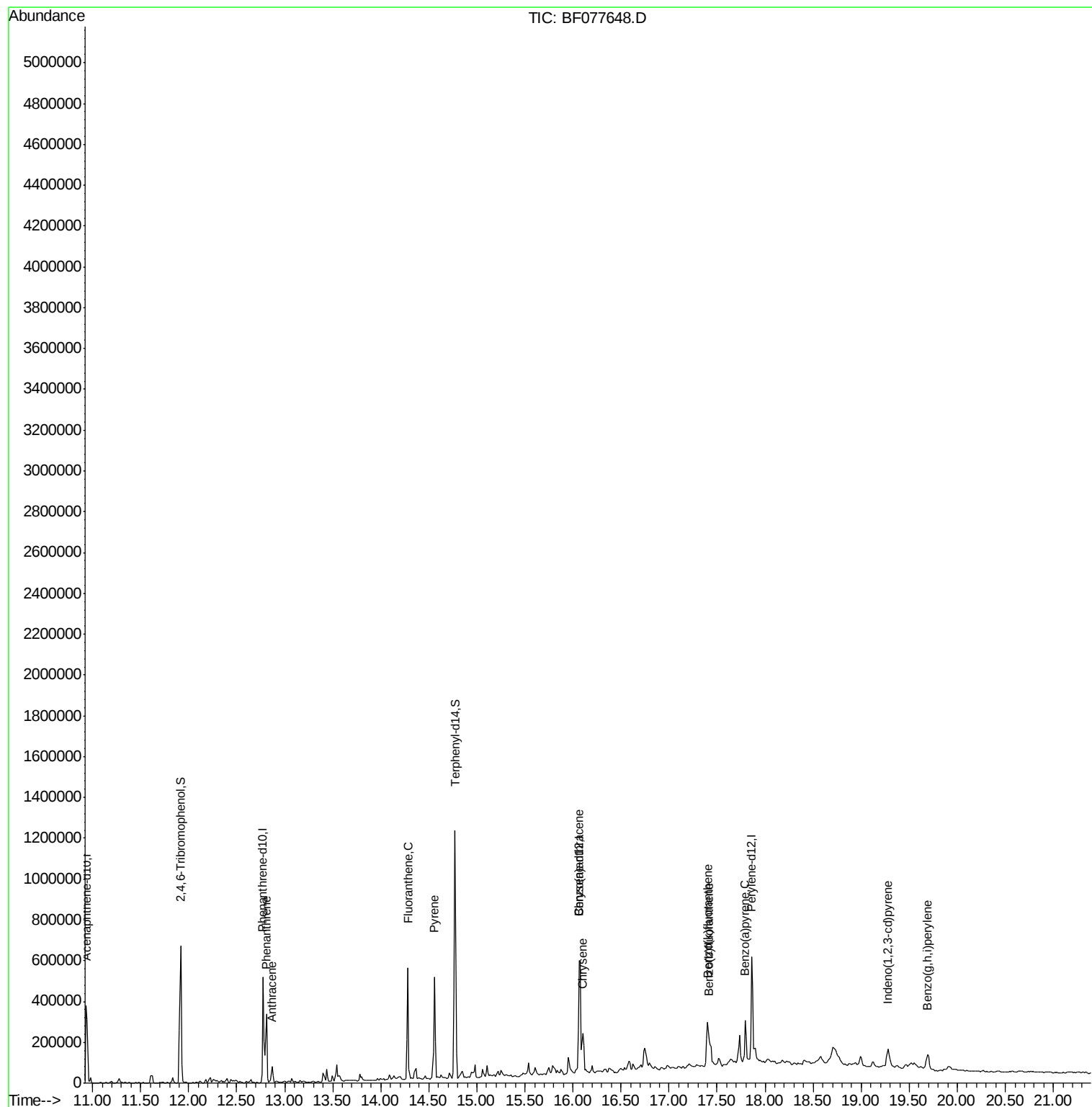
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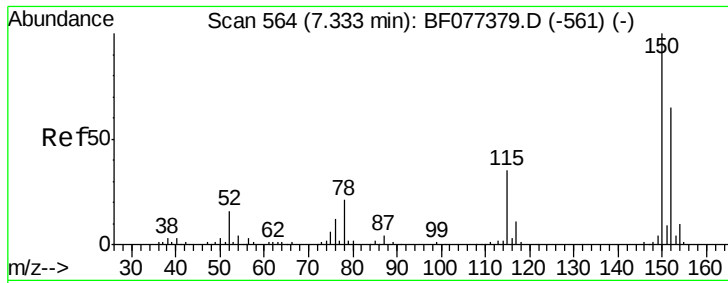


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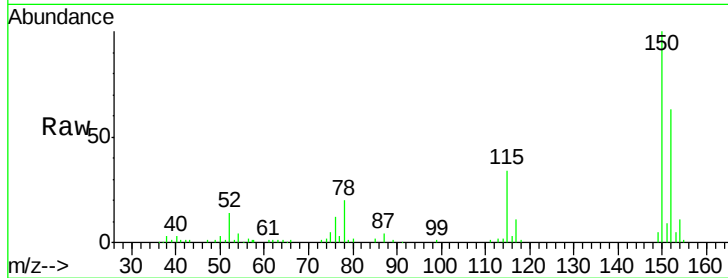




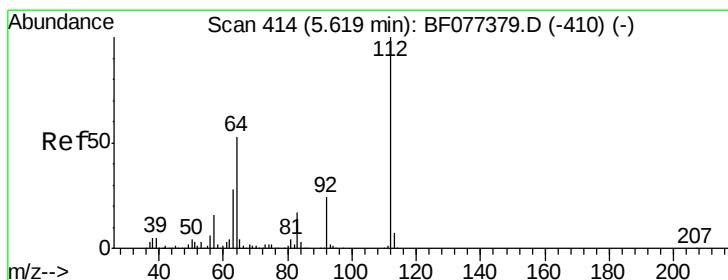
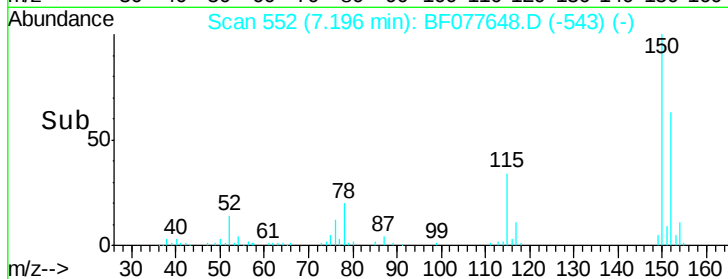
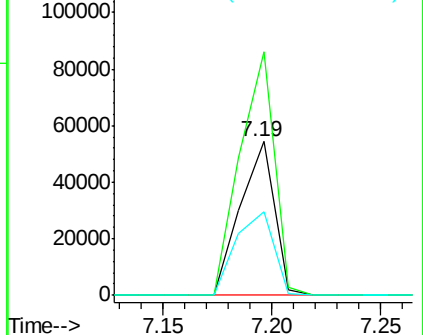
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.19 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Instrument :
 BNA_F
 ClientSampleId :
 SEP2

Tgt Ion:152 Resp: 59364
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.0 186.0
 115 54.2 49.4 74.2

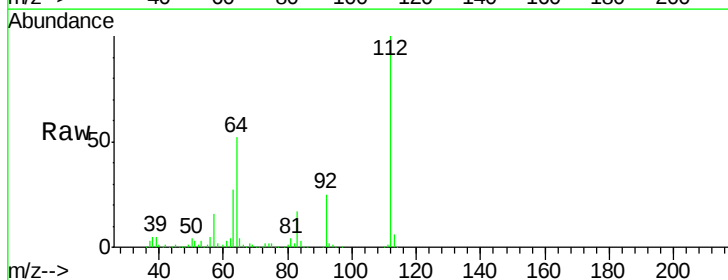


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

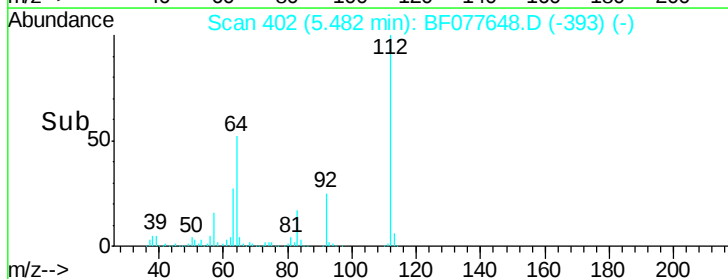
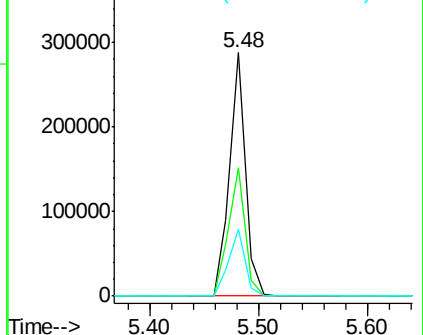


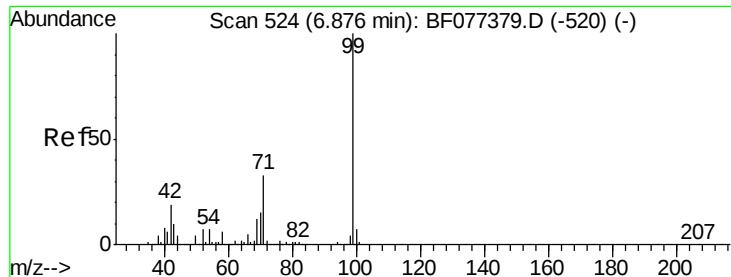
#5
 2-Fluorophenol
 Concen: 82.55 ng
 RT: 5.48 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Tgt Ion:112 Resp: 293553
 Ion Ratio Lower Upper
 112 100
 64 52.5 48.5 72.7
 63 27.3 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: 81.82 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SEP2

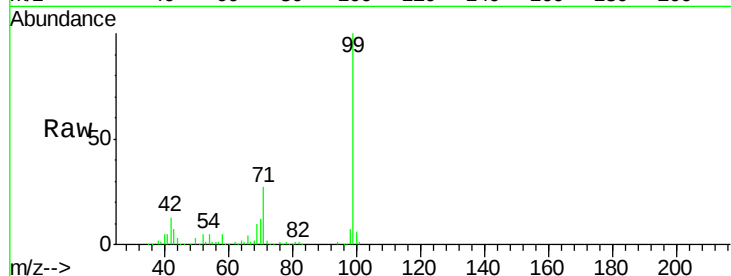
Tgt Ion: 99 Resp: 374106

Ion Ratio Lower Upper

99 100

42 13.0 16.2 24.4#

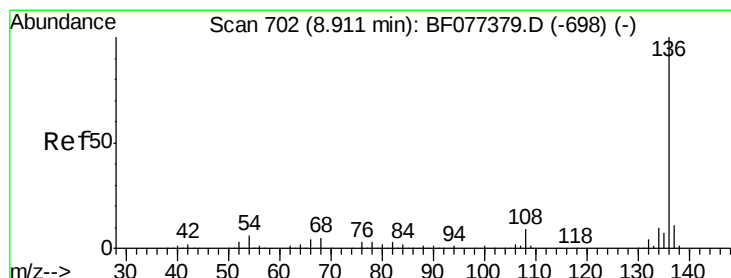
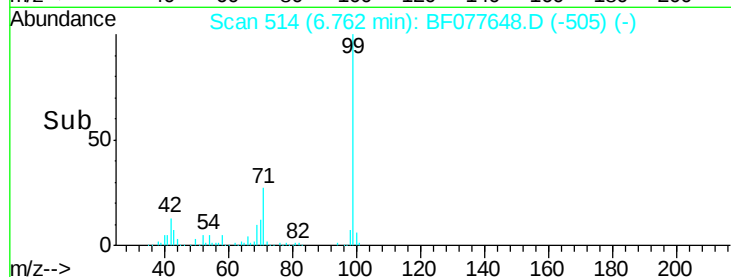
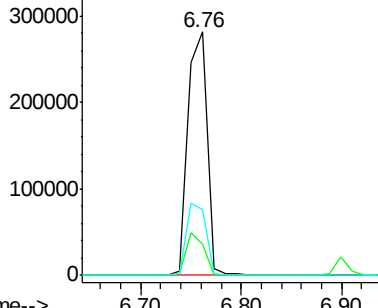
71 27.2 26.7 40.1



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: 8.77 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Tgt Ion: 136 Resp: 213179

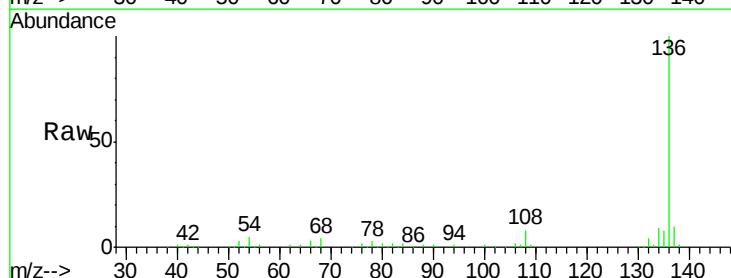
Ion Ratio Lower Upper

136 100

137 10.3 8.6 13.0

54 5.4 6.2 9.4#

68 4.5 5.0 7.6#

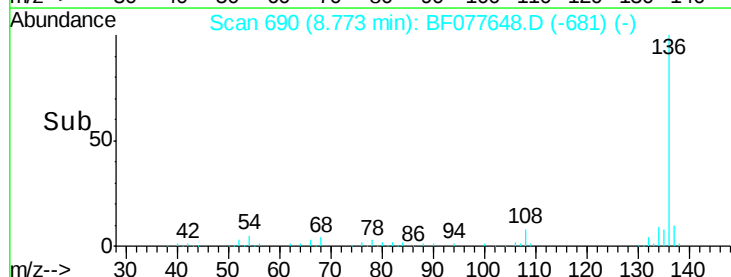
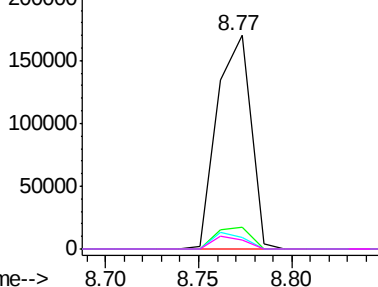


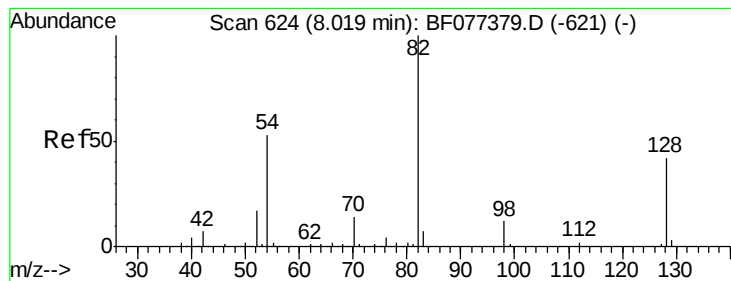
Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.52 ng

RT: 7.88 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SEP2

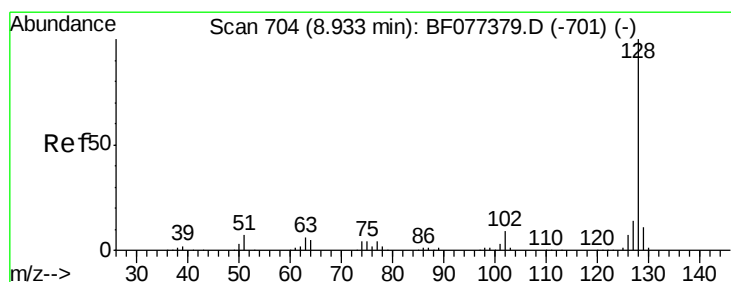
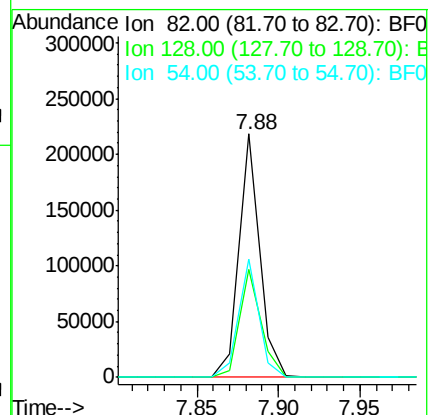
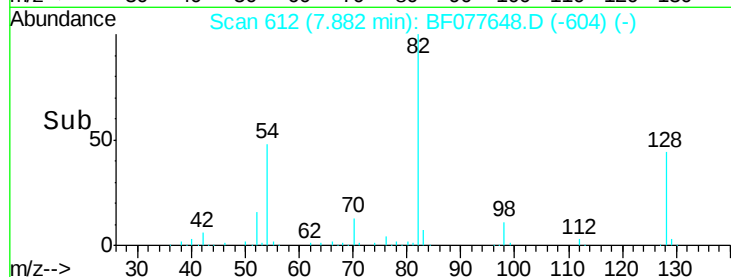
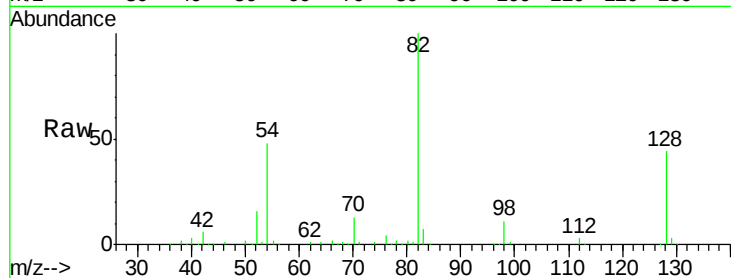
Tgt Ion: 82 Resp: 190325

Ion Ratio Lower Upper

82 100

128 44.1 43.8 65.8

54 48.4 36.7 55.1



#31

Naphthalene

Concen: 2.47 ng

RT: 8.79 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

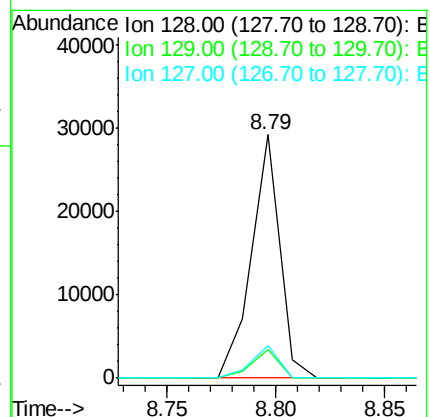
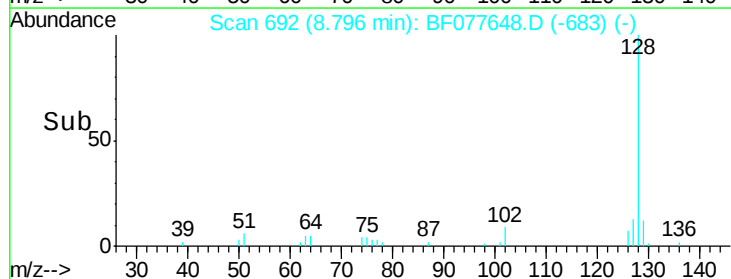
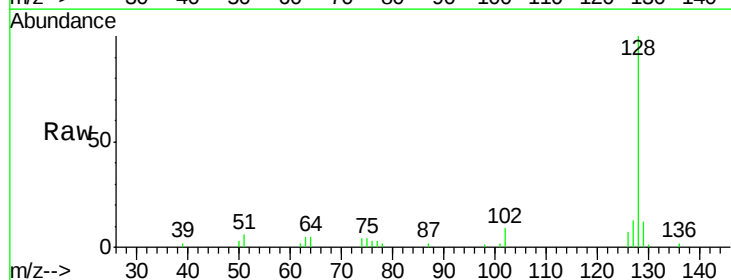
Tgt Ion: 128 Resp: 26385

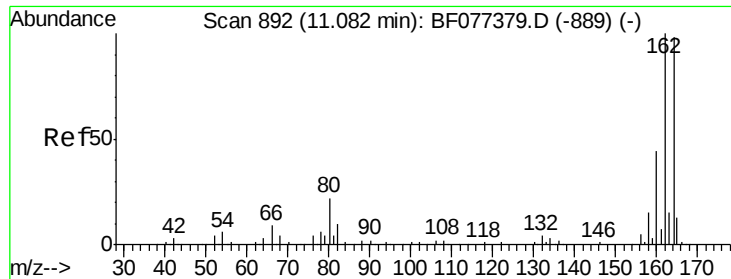
Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

127 13.4 10.6 15.8

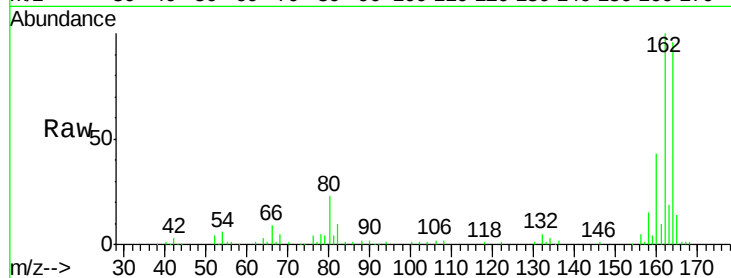




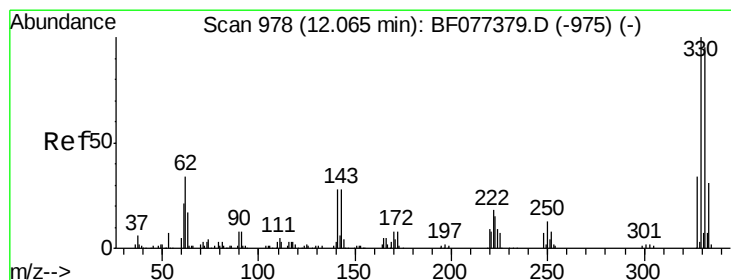
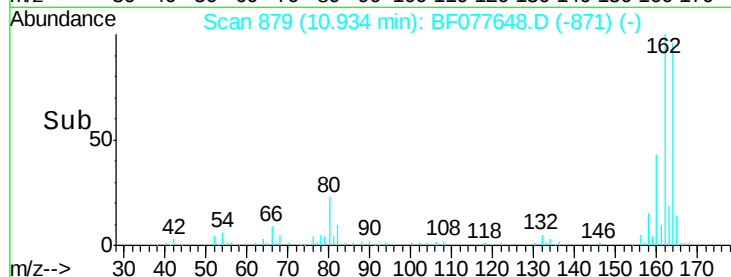
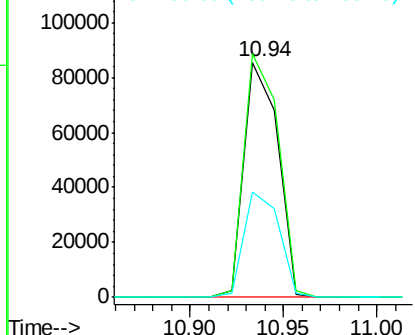
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.94 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF077648.D
Acq: 9 Mar 2015 20:01

Instrument :
BNA_F
ClientSampleId :
SEP2

Tgt Ion:164 Resp: 107962
Ion Ratio Lower Upper
164 100
162 103.6 83.2 124.8
160 44.9 34.6 52.0

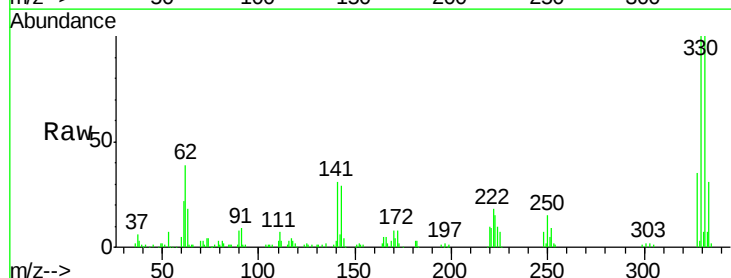


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

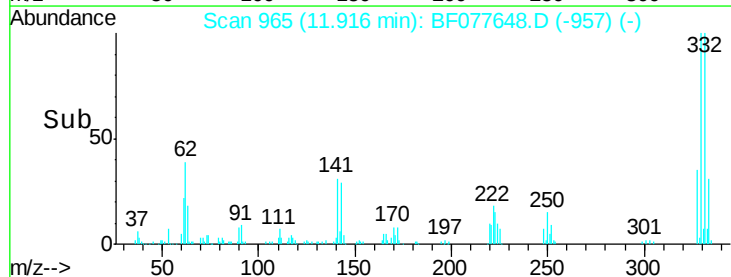
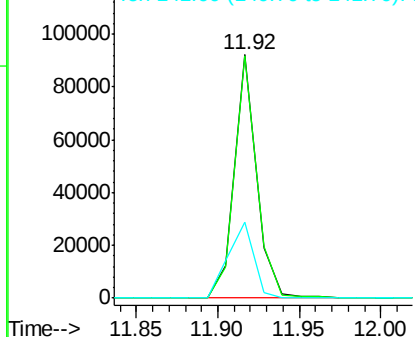


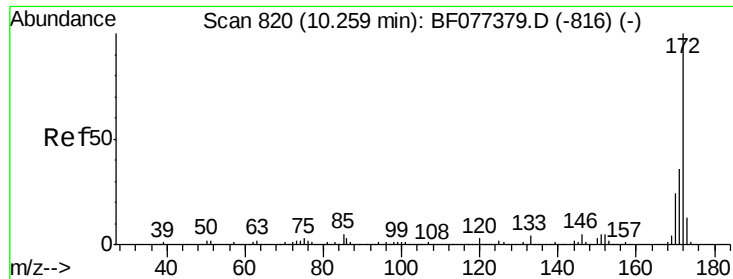
#41
2,4,6-Tribromophenol
Concen: 83.28 ng
RT: 11.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: BF077648.D
Acq: 9 Mar 2015 20:01

Tgt Ion:330 Resp: 86576
Ion Ratio Lower Upper
330 100
332 99.9 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

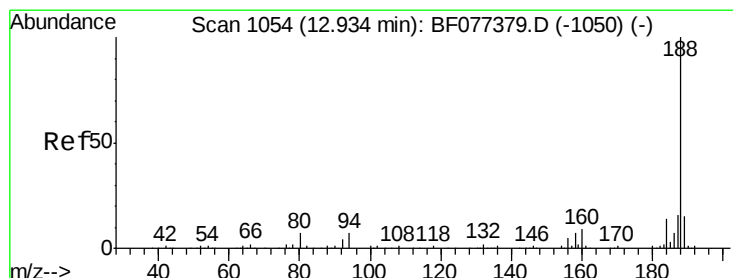
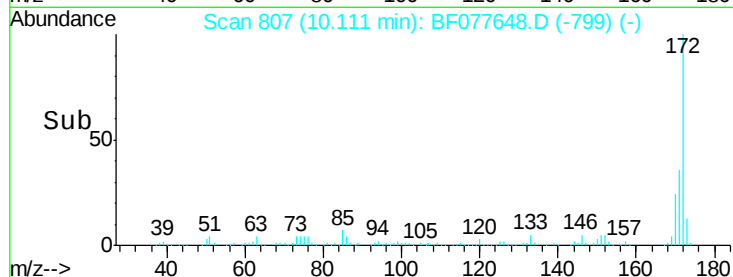
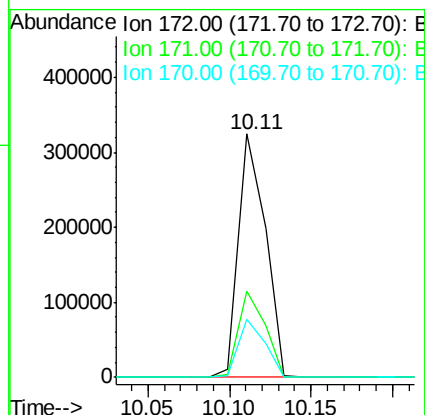
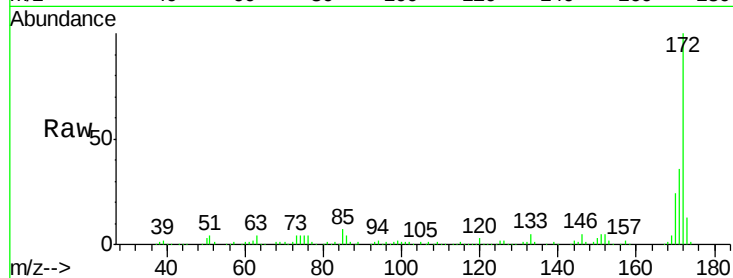




#44
 2-Fluorobiphenyl
 Concen: 53.18 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

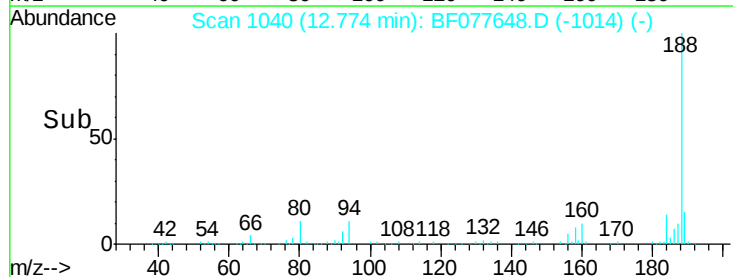
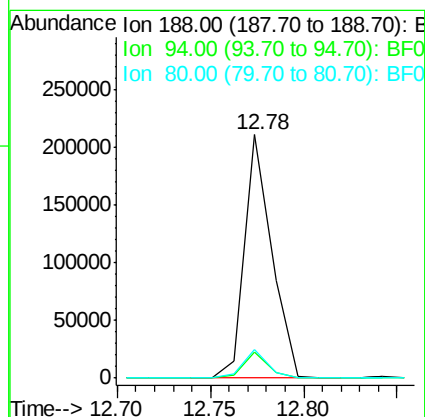
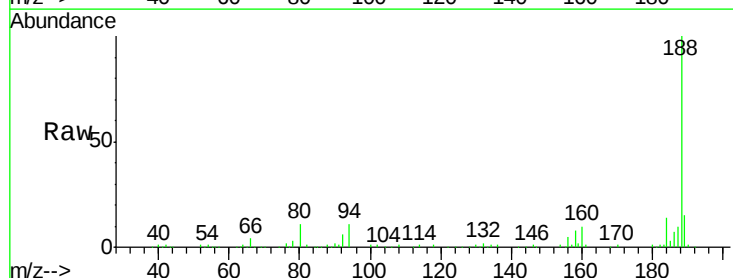
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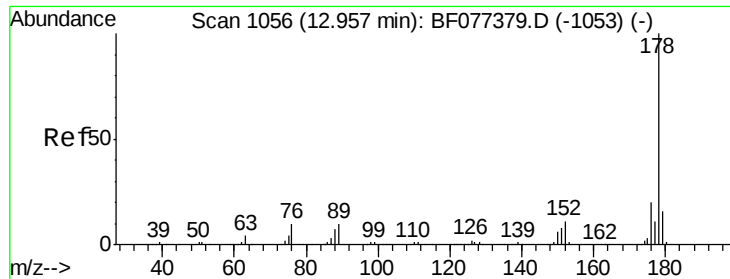
Tgt Ion:172 Resp: 368192
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 24.0 19.4 29.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.78 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Tgt Ion:188 Resp: 214481
 Ion Ratio Lower Upper
 188 100
 94 10.7 7.4 11.2
 80 11.5 8.0 12.0

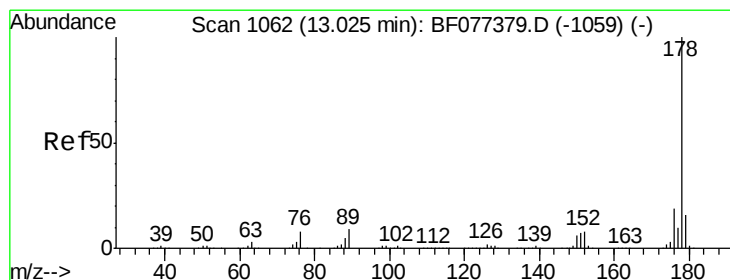
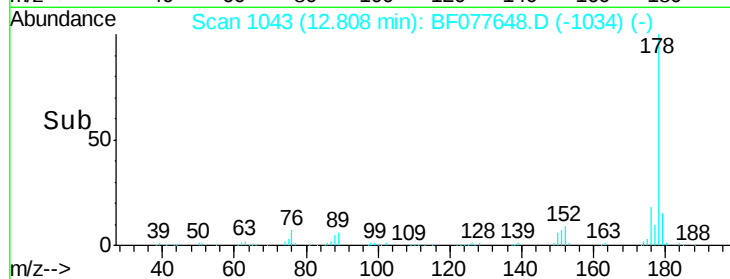
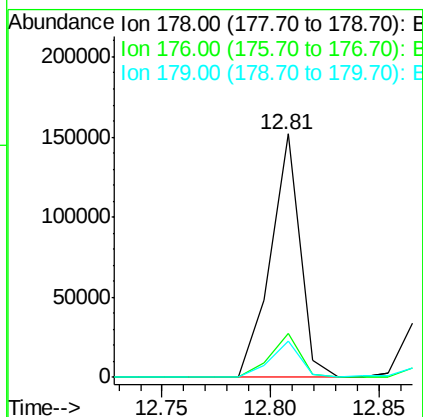
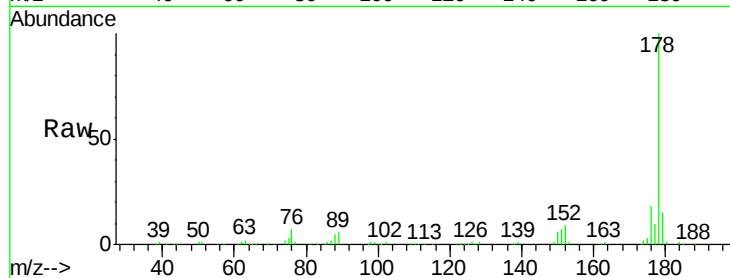




#70
 Phenanthrene
 Concen: 11.68 ng
 RT: 12.81 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

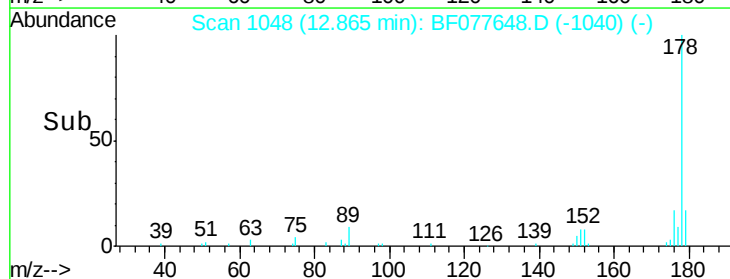
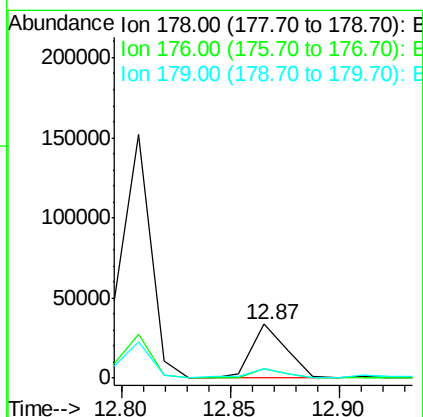
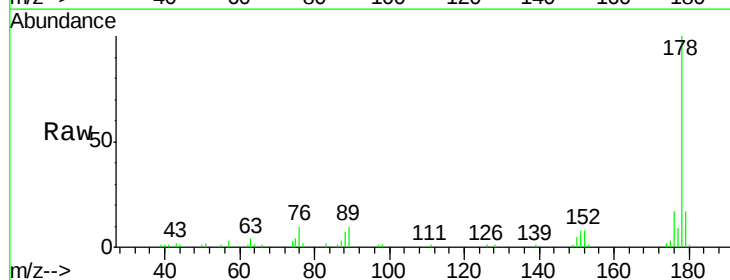
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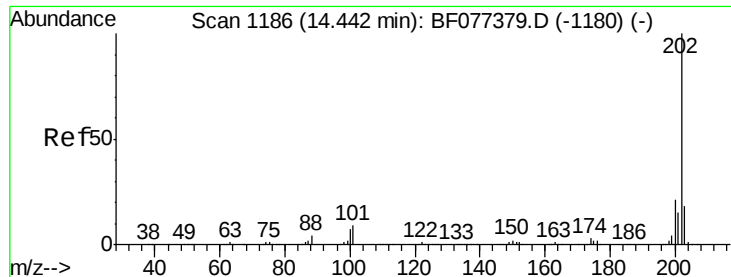
Tgt Ion:178 Resp: 145195
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 15.0 12.2 18.2



#71
 Anthracene
 Concen: 2.92 ng
 RT: 12.87 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Tgt Ion:178 Resp: 36078
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.0
 179 16.9 12.9 19.3

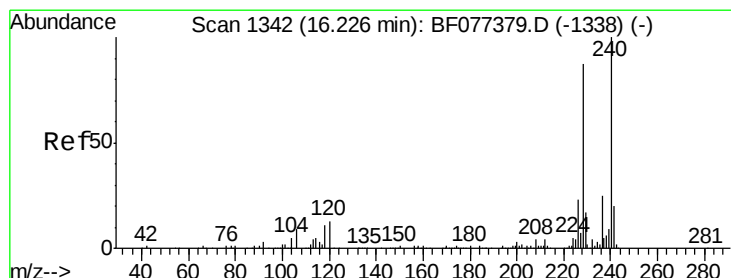
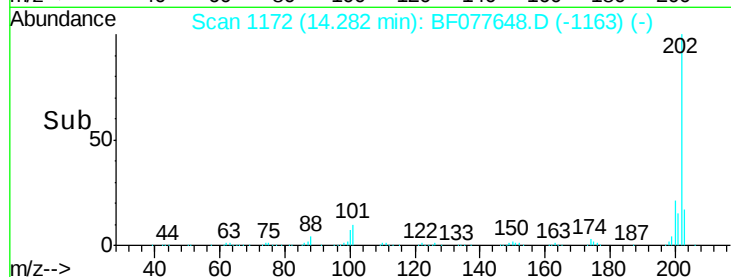
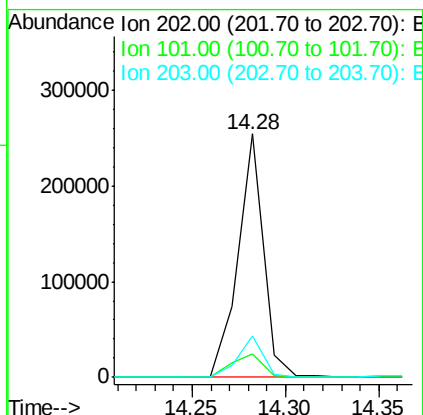
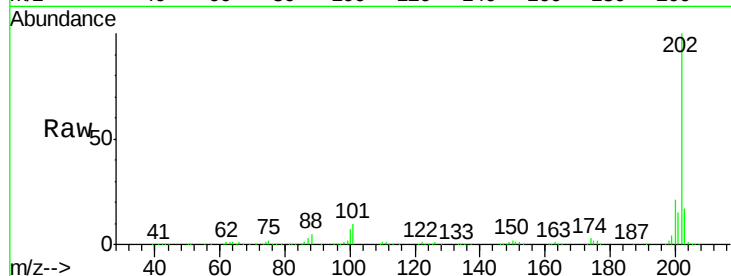




#74
 Fluoranthene
 Concen: 17.94 ng
 RT: 14.28 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

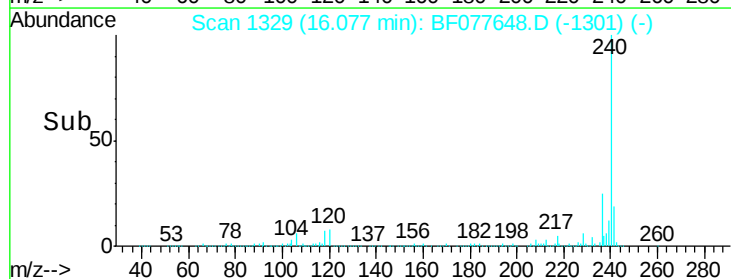
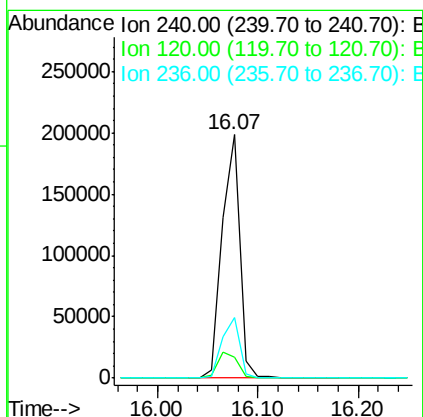
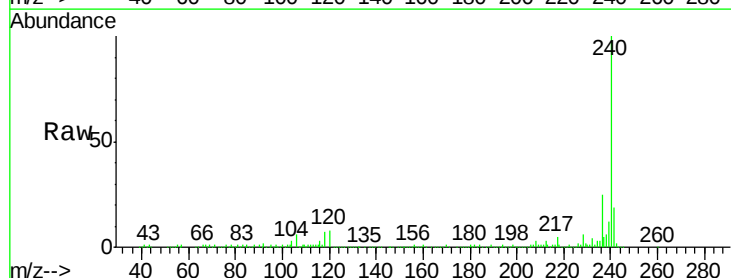
Instrument :
 BNA_F
 ClientSampleId :
 SEP2

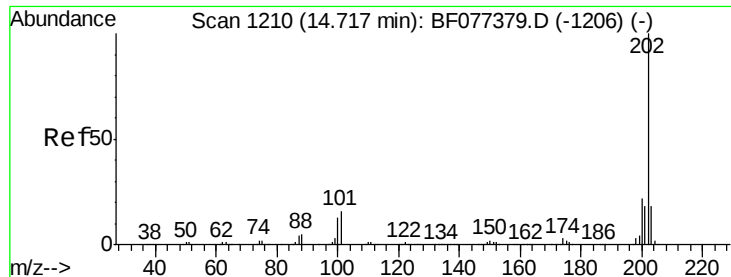
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.8
203	17.0	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.07 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.8	13.2#
236	25.0	20.7	31.1





#77

Pyrene

Concen: 15.03 ng

RT: 14.56 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SEP2

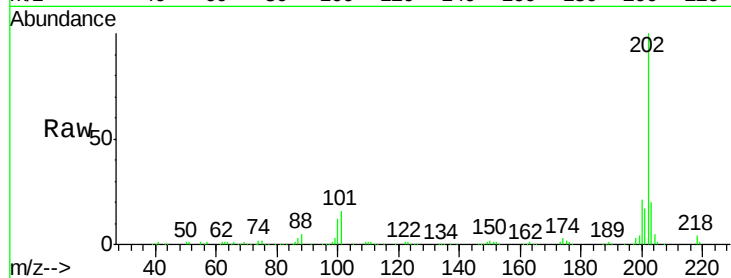
Tgt Ion: 202 Resp: 223657

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

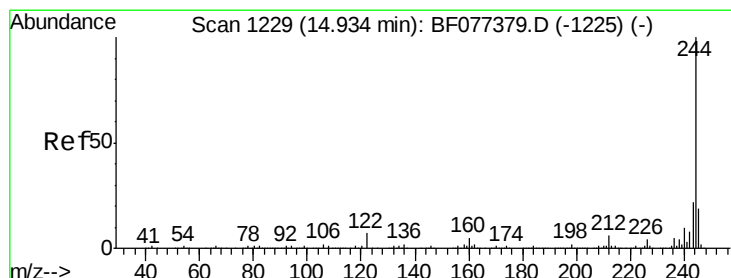
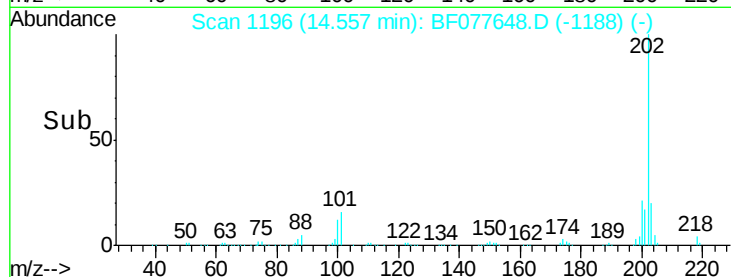
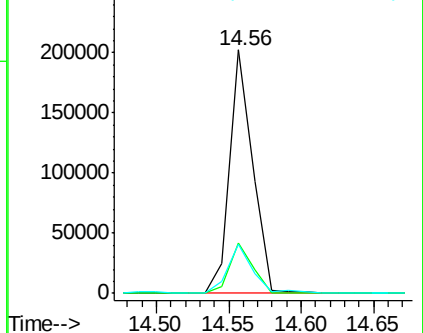
203 20.3 14.2 21.2



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: 41.84 ng

RT: 14.77 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

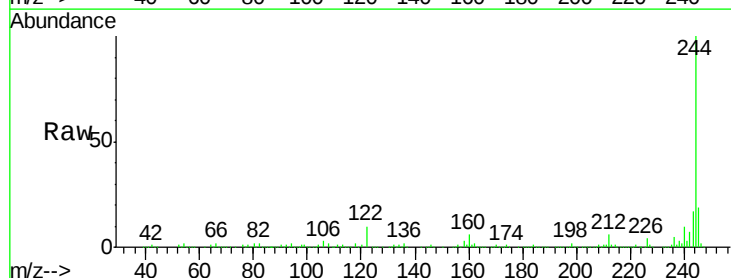
Tgt Ion: 244 Resp: 435471

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

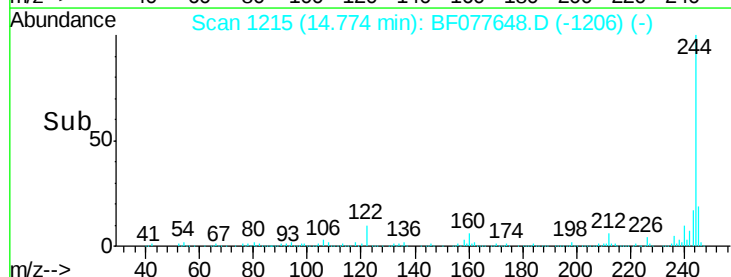
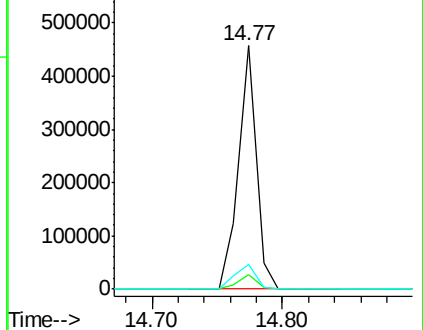
122 10.2 7.8 11.8

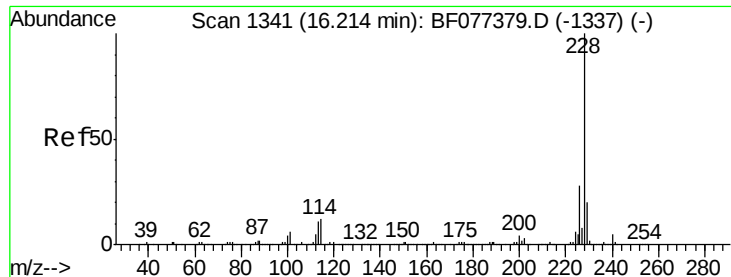


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.78 ng

RT: 16.06 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SEP2

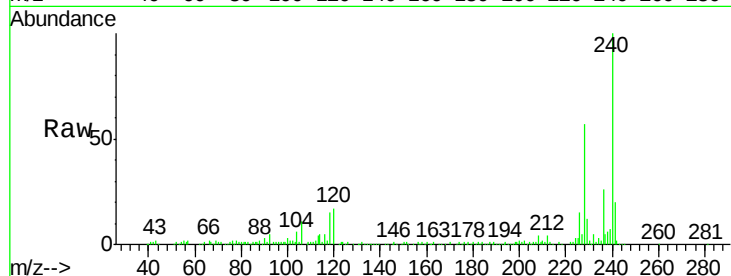
Tgt Ion:228 Resp: 110928

Ion Ratio Lower Upper

228 100

226 26.4 22.0 33.0

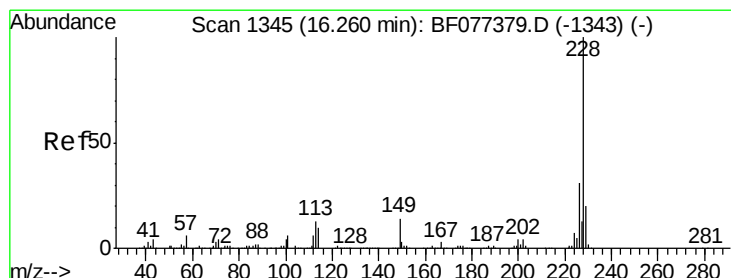
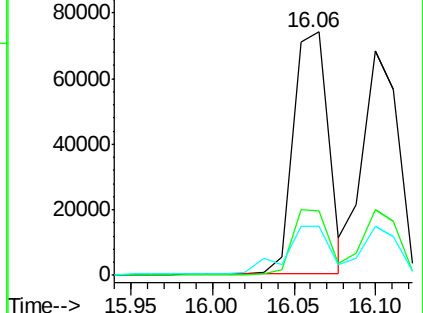
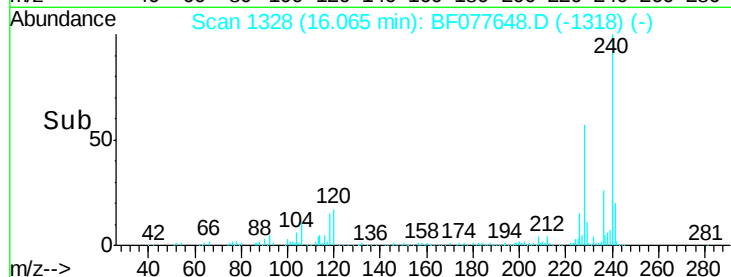
229 20.3 15.8 23.8



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: 7.66 ng

RT: 16.10 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

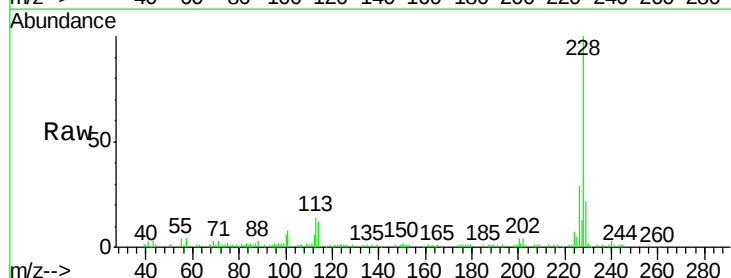
Tgt Ion:228 Resp: 102562

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

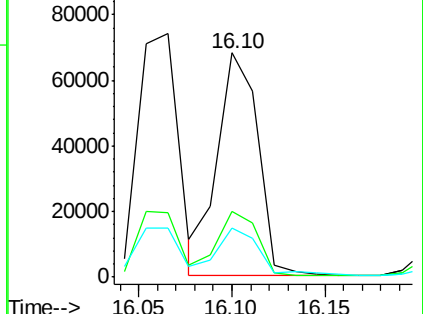
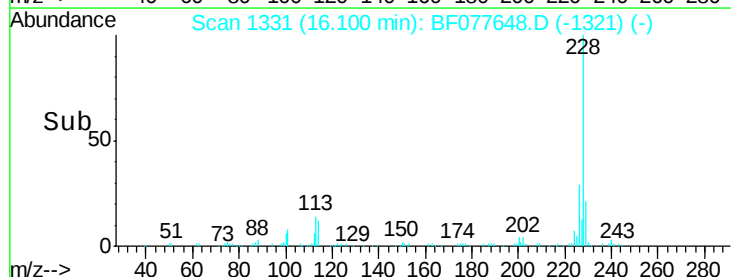
229 22.0 16.4 24.6

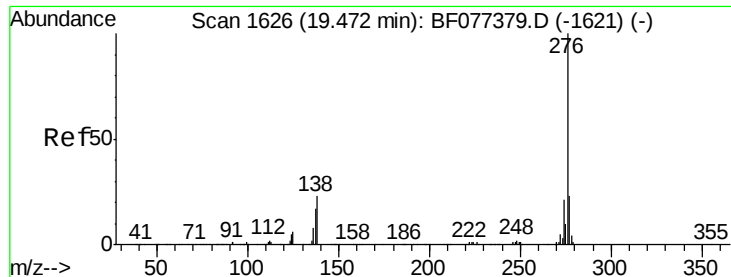


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

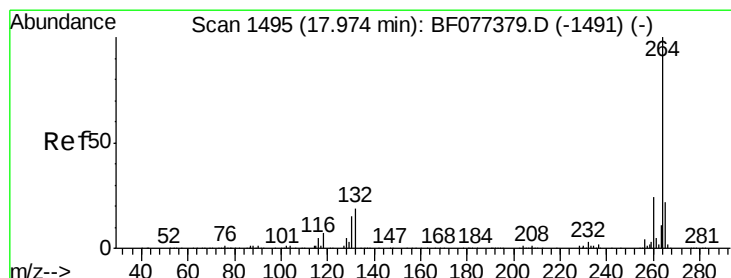
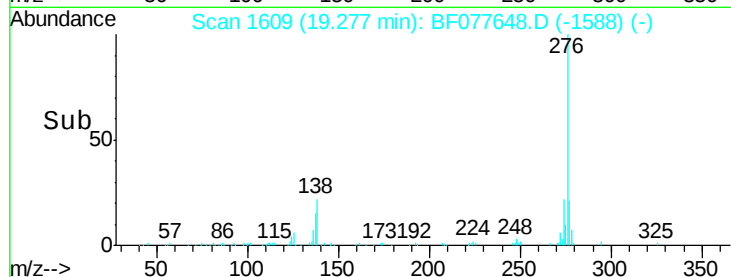
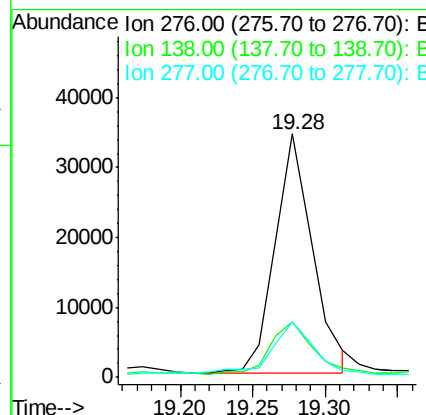
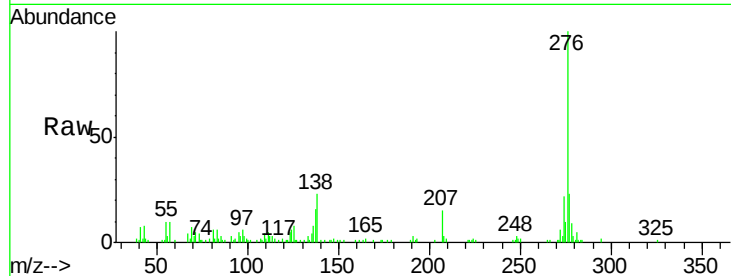




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.05 ng
 RT: 19.28 min Scan# 1609
 Delta R.T. 0.14 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

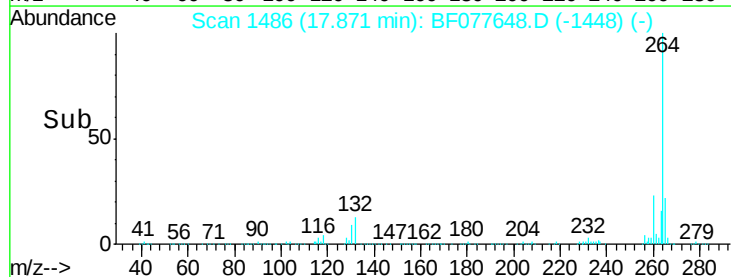
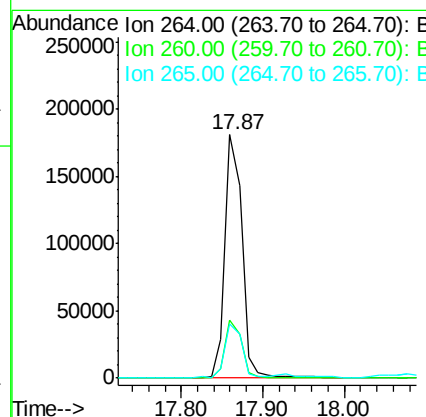
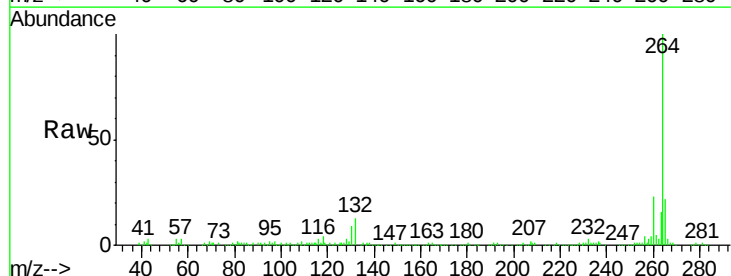
Instrument :
 BNA_F
 ClientSampleId :
 SEP2

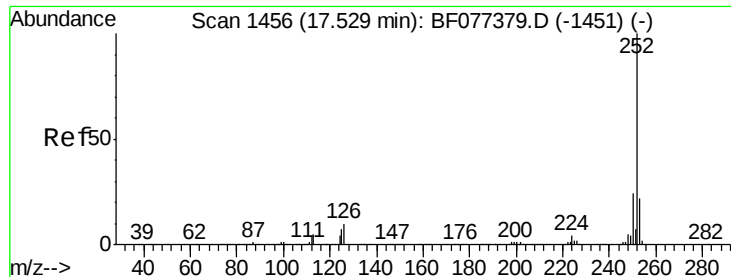
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.2	31.8
277	26.2	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.87 min Scan# 1486
 Delta R.T. 0.13 min
 Lab File: BF077648.D
 Acq: 9 Mar 2015 20:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.3	28.9
265	22.5	16.8	25.2

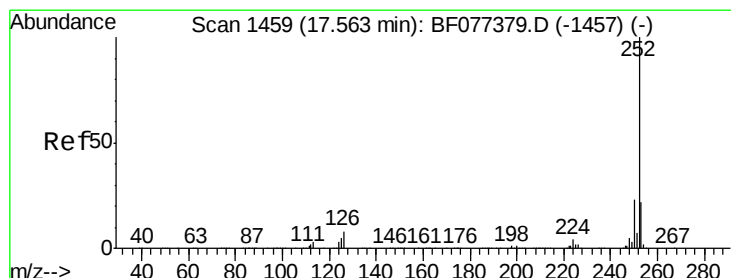
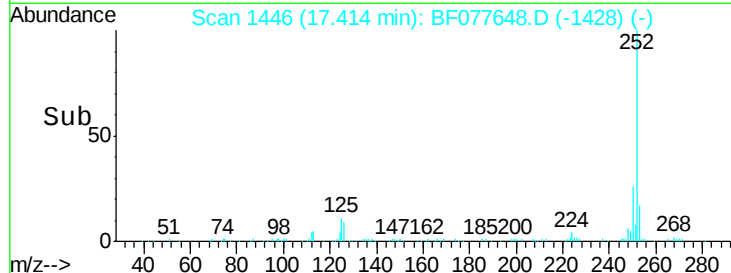
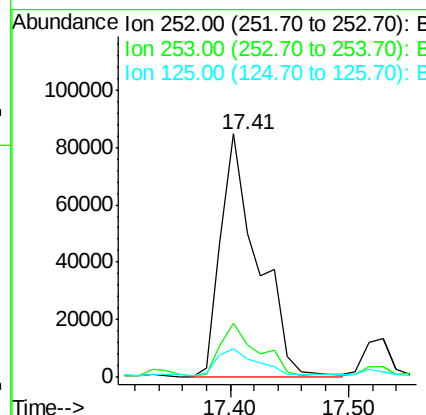
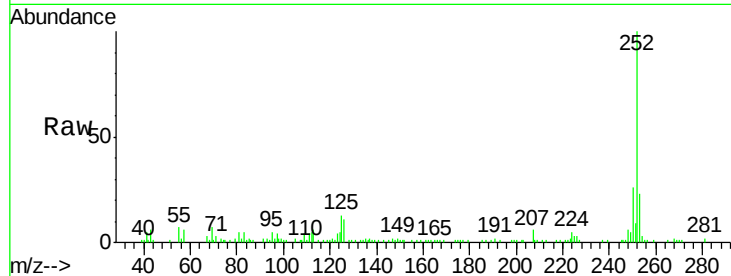




#87
Benzo(b)fluoranthene
Concen: 12.07 ng
RT: 17.41 min Scan# 1446
Delta R.T. 0.11 min
Lab File: BF077648.D
Acq: 9 Mar 2015 20:01

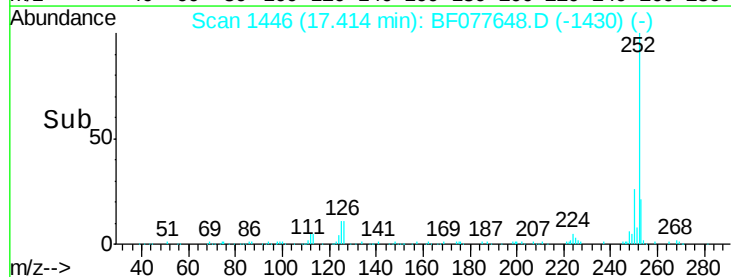
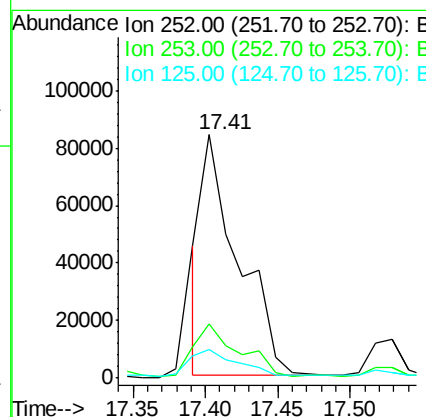
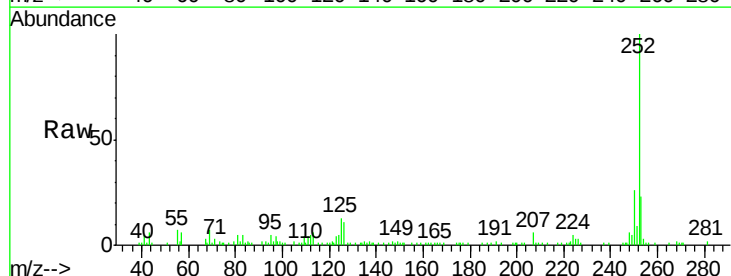
Instrument :
BNA_F
ClientSampleId :
SEP2

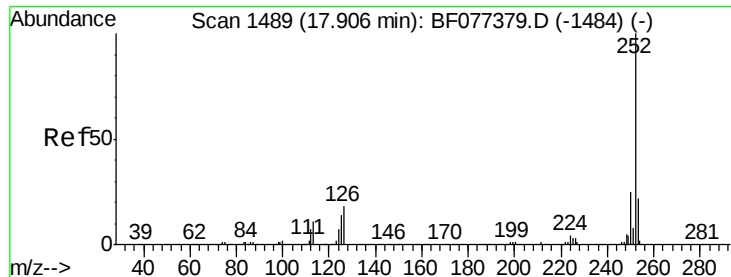
Tgt Ion:252 Resp: 184592
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.9 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 9.63 ng
RT: 17.41 min Scan# 1446
Delta R.T. 0.08 min
Lab File: BF077648.D
Acq: 9 Mar 2015 20:01

Tgt Ion:252 Resp: 144299
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 12.9 10.1 15.1





#89

Benzo(a)pyrene

Concen: 7.10 ng

RT: 17.80 min Scan# 1479

Delta R.T. 0.13 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SEP2

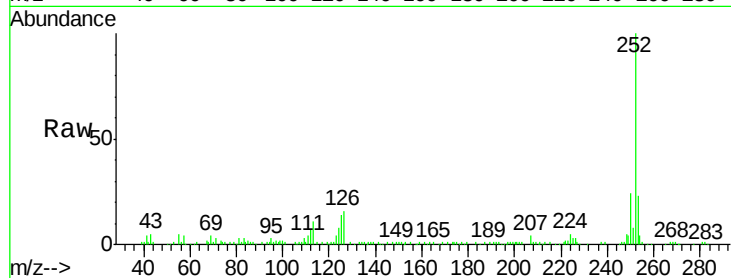
Tgt Ion:252 Resp: 103453

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

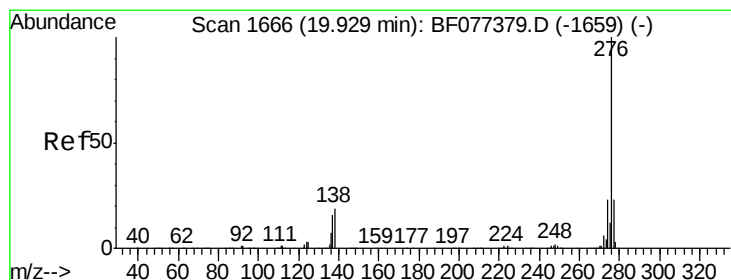
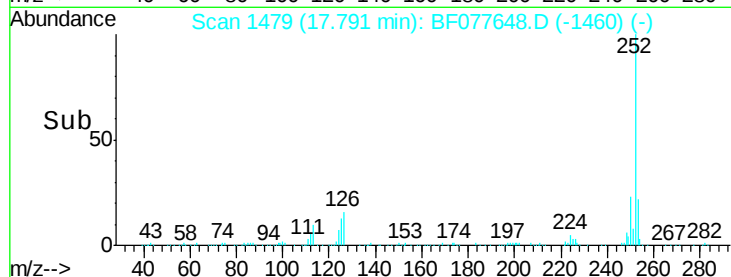
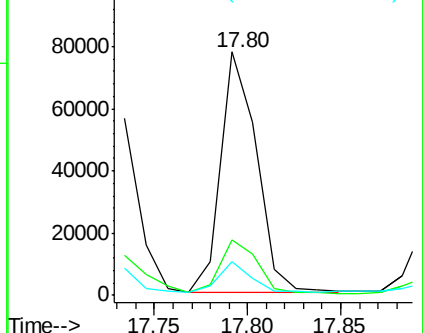
125 14.0 8.3 12.5#



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



#91

Benzo(g,h,i)perylene

Concen: 4.57 ng

RT: 19.70 min Scan# 1646

Delta R.T. 0.15 min

Lab File: BF077648.D

Acq: 9 Mar 2015 20:01

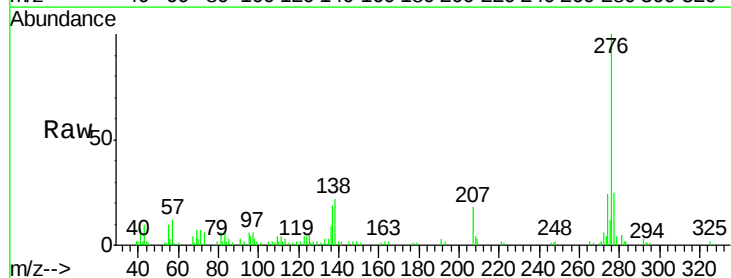
Tgt Ion:276 Resp: 64120

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 21.5 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

