

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030915\
 Data File : BF077649.D
 Acq On : 9 Mar 2015 20:30
 Operator : TP/IZ
 Sample : G1453-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEP3

Quant Time: Mar 10 02:29:39 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	52909	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	210020	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	104278	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	210581	20.00	ng	0.00
75) Chrysene-d12	16.06	240	262202	20.00	ng	0.00
86) Perylene-d12	17.82	264	242810	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	326143	102.91	ng	0.00
7) Phenol-d6	6.76	99	370787	90.99	ng	0.00
23) Nitrobenzene-d5	7.88	82	200658	59.41	ng	0.00
41) 2,4,6-Tribromophenol	11.92	330	96772	96.38	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	401080	59.97	ng	0.00
78) Terphenyl-d14	14.77	244	494067	44.05	ng	0.00

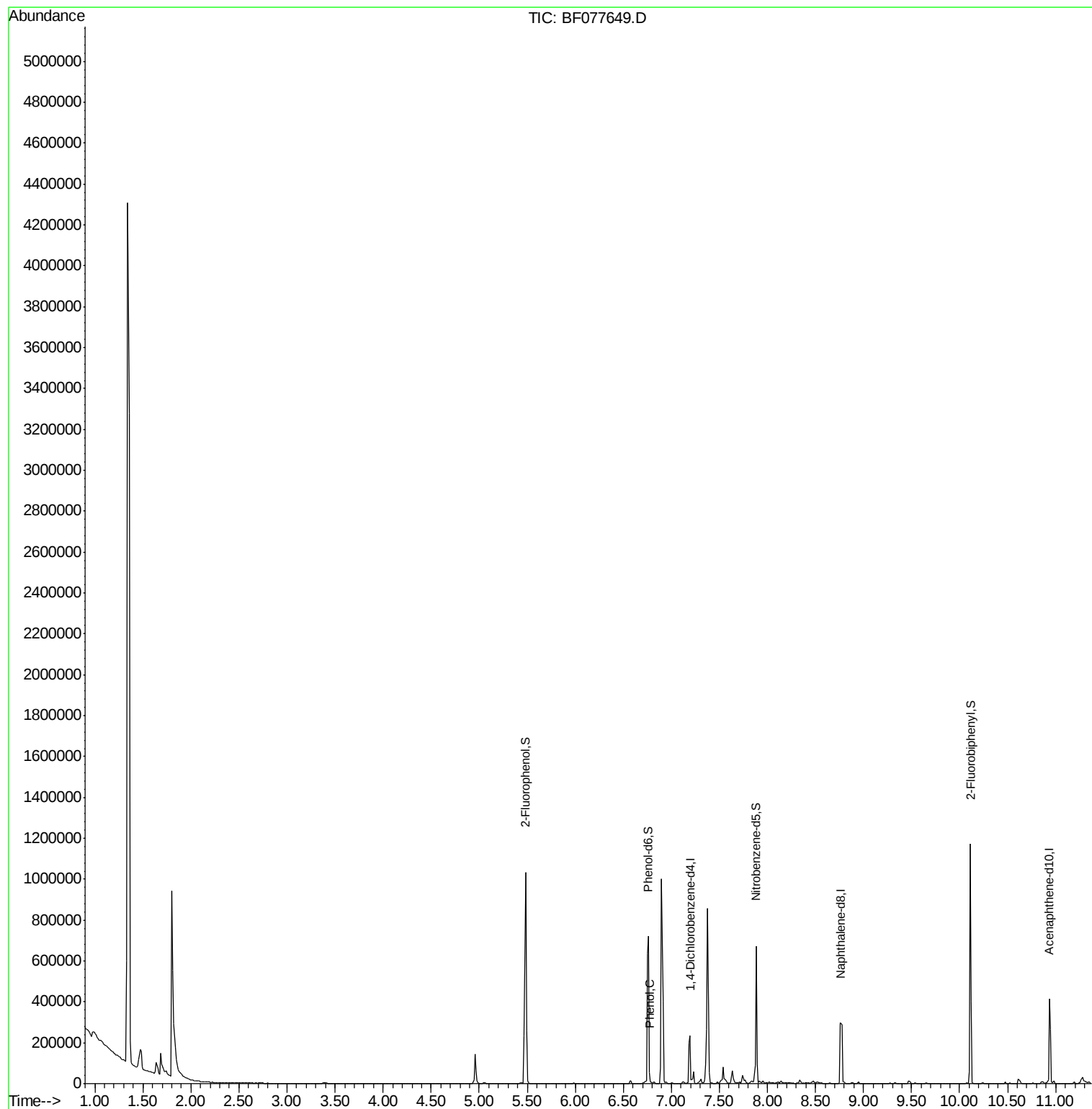
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.77	94	10091	2.09	ng	95
70) Phenanthrene	12.81	178	56984	4.67	ng	97
74) Fluoranthene	14.28	202	84767	6.36	ng	98
77) Pyrene	14.56	202	78293	4.88	ng	98
80) Benzo(a)anthracene	16.05	228	43705	2.84	ng	97
82) Chrysene	16.09	228	42339	2.93	ng	97
83) Bis(2-ethylhexyl)phthalate	16.12	149	142105	13.43	ng	98
87) Benzo(b)fluoranthene	17.37	252	51881m	3.67	ng	
89) Benzo(a)pyrene	17.76	252	32811	2.44	ng	98

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

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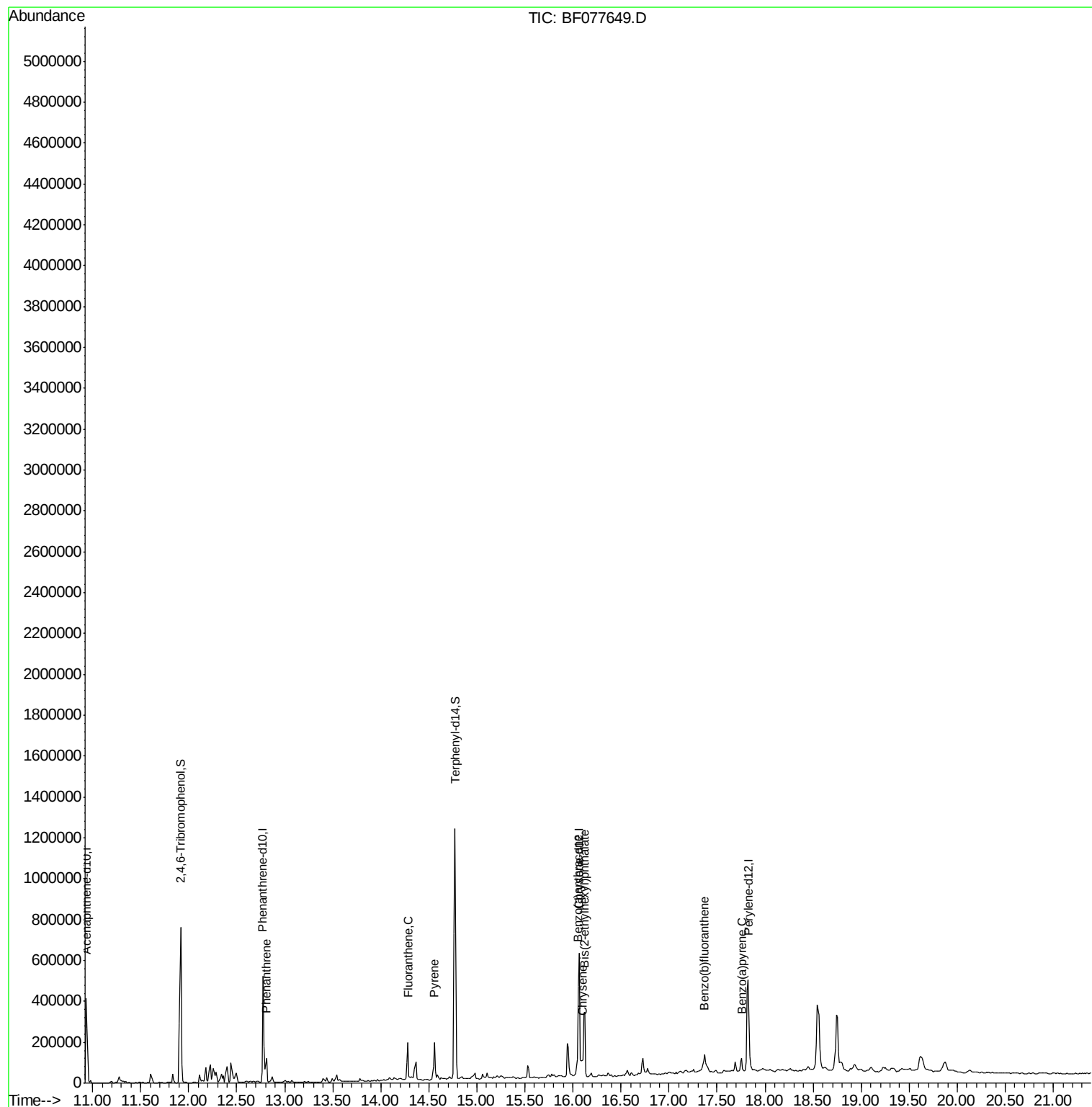
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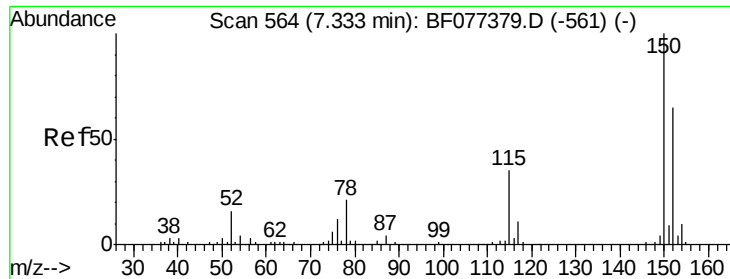


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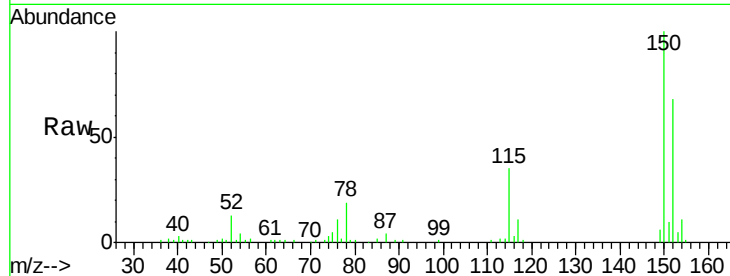


#1

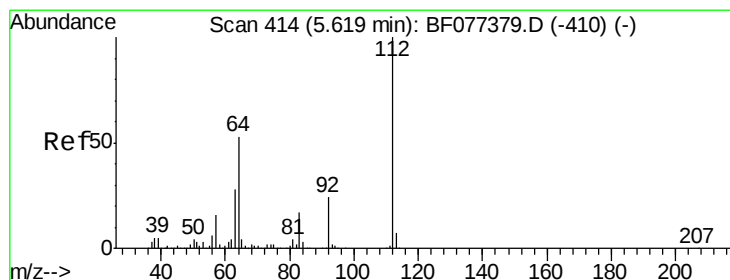
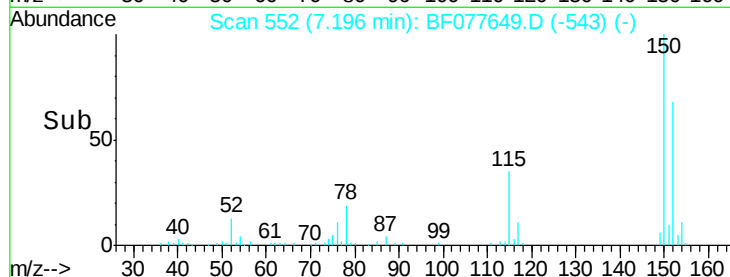
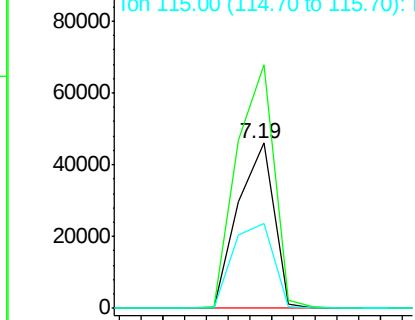
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.19 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Instrument :
BNA_F
ClientSampleId :
SEP3

Tot Ion:152 Resp: 52909
Ion Ratio Lower Upper
152 100
150 147.4 124.0 186.0
115 51.2 49.4 74.2



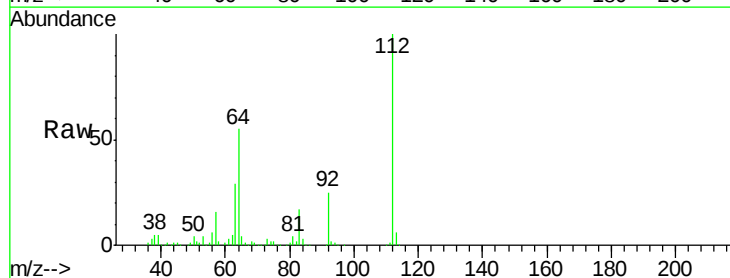
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



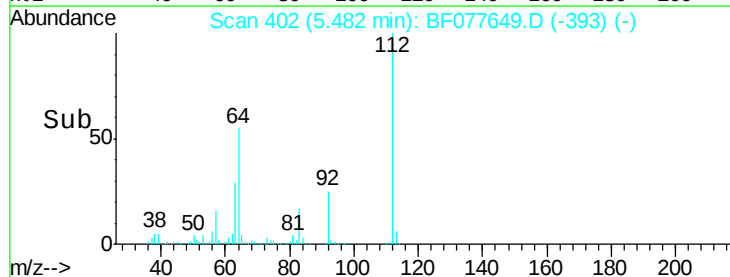
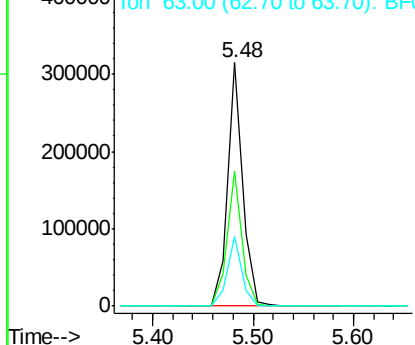
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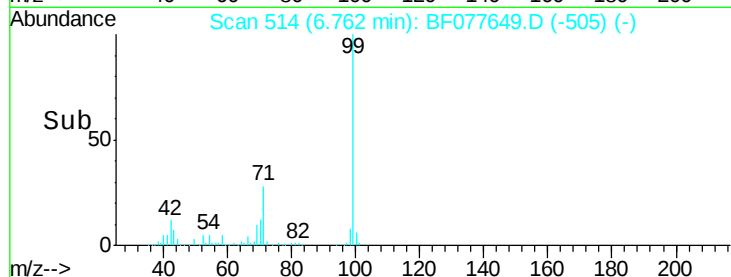
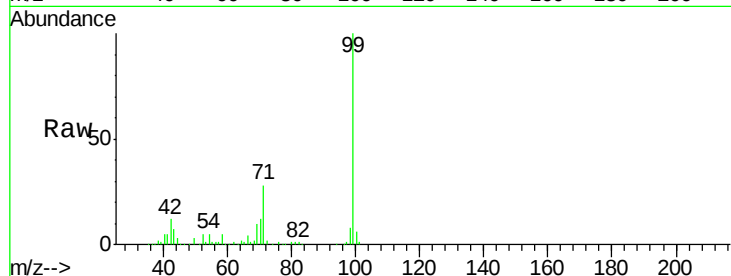
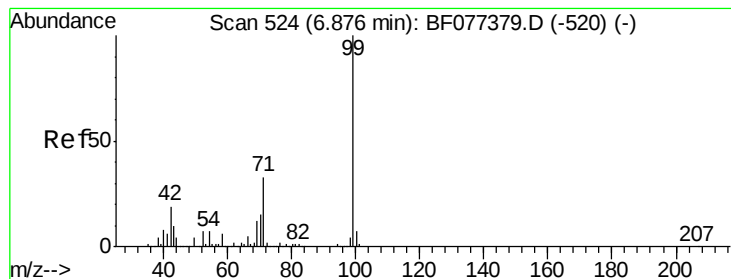
2-Fluorophenol
Concen: 102.91 ng
RT: 5.48 min Scan# 402
Delta R.T. 0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Tgt Ion:112 Resp: 326143
Ion Ratio Lower Upper
112 100
64 55.2 48.5 72.7
63 28.7 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: 90.99 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

Instrument :

BNA_F

ClientSampleId :

SEP3

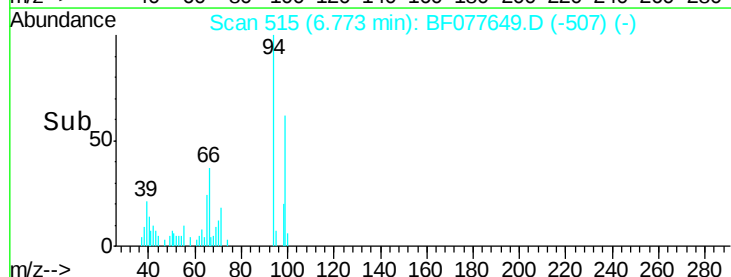
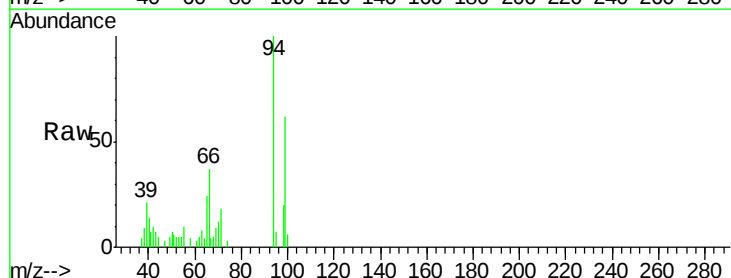
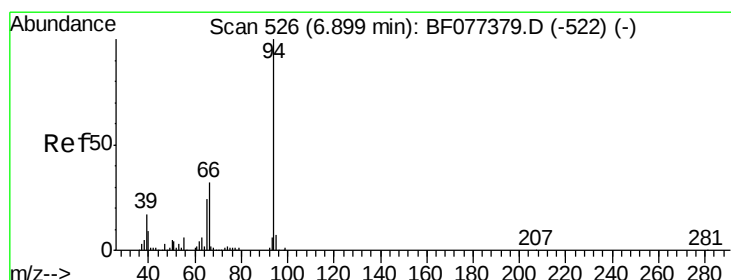
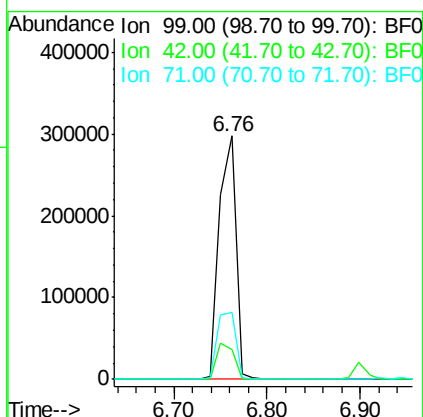
Tot Ion: 99 Resp: 370787

Ion Ratio Lower Upper

99 100

42 12.1 16.2 24.4#

71 27.5 26.7 40.1



#10

Phenol

Concen: 2.09 ng

RT: 6.77 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

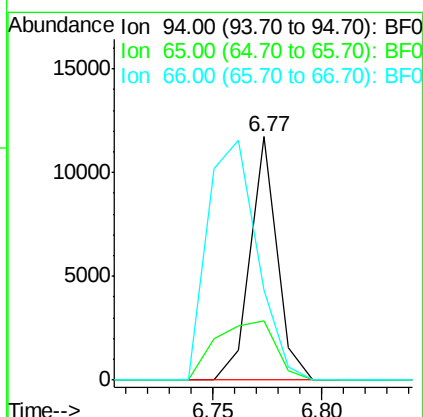
Tgt Ion: 94 Resp: 10091

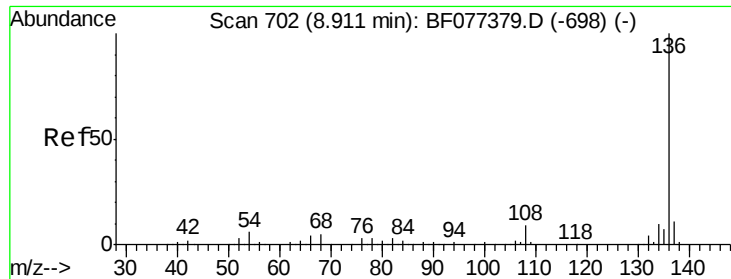
Ion Ratio Lower Upper

94 100

65 24.2 5.7 45.7

66 37.2 13.6 53.6

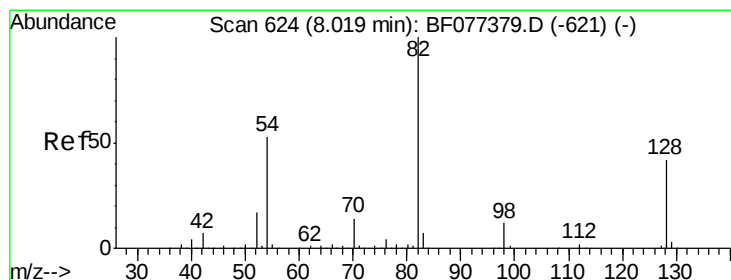
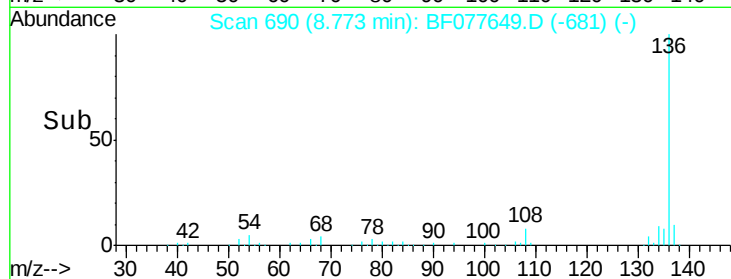
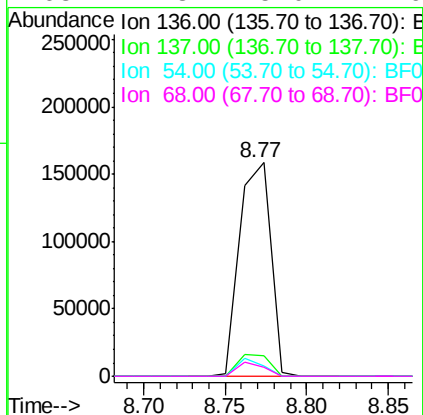
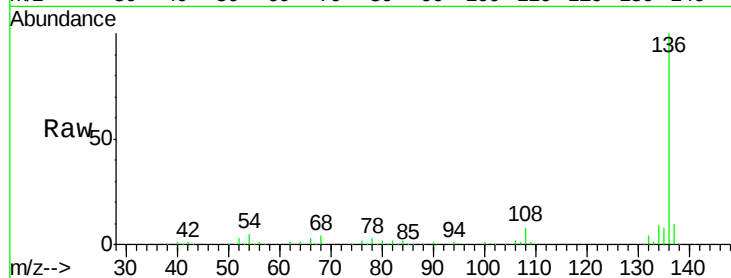




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.77 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

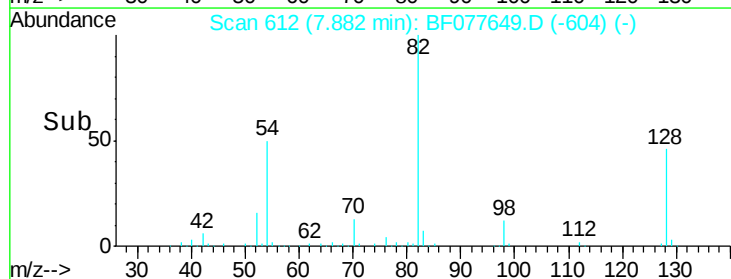
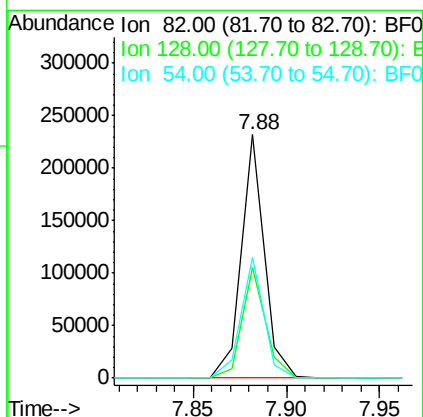
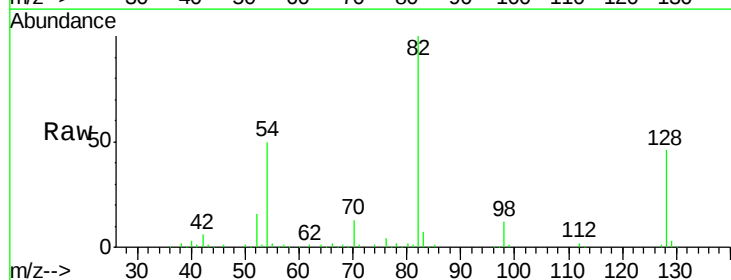
Instrument :
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ClientSampleId :
SEP3

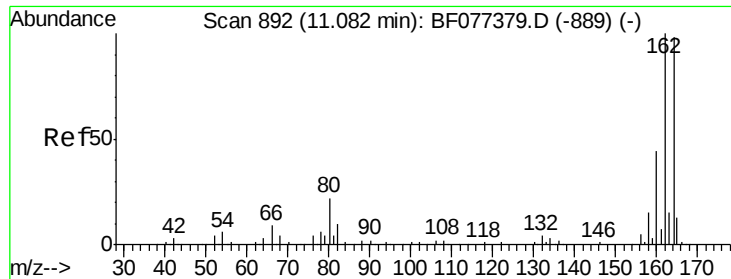
Tot Ion:136	Resp:	210020
Ion	Ratio	Lower Upper
136	100	
137	9.8	8.6 13.0
54	5.0	6.2 9.4#
68	4.3	5.0 7.6#



#23
Nitrobenzene-d5
Concen: 59.41 ng
RT: 7.88 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Tgt Ion: 82	Resp:	200658
Ion	Ratio	Lower Upper
82	100	
128	45.5	43.8 65.8
54	49.6	36.7 55.1

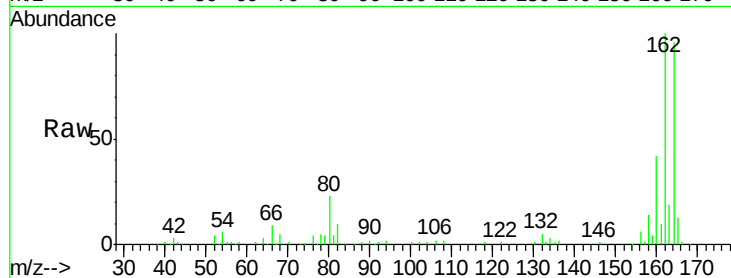




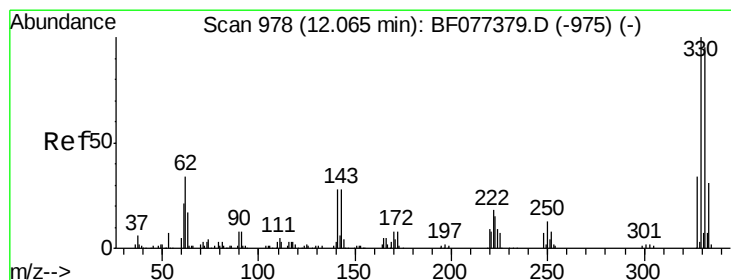
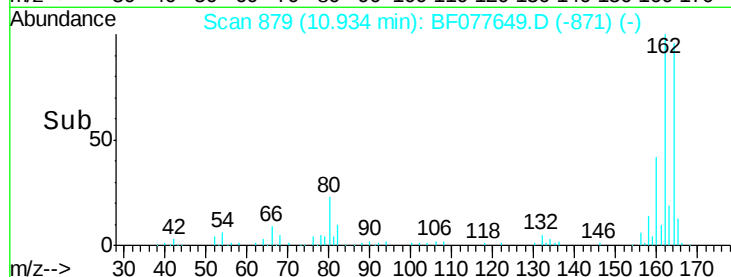
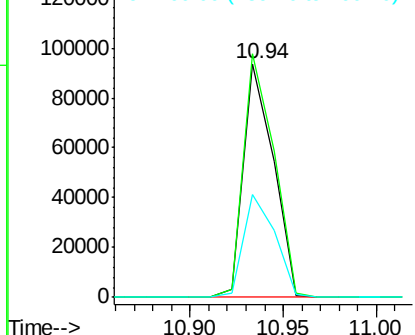
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.94 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Instrument :
BNA_F
ClientSampleId :
SEP3

Tot Ion:164 Resp: 104278
Ion Ratio Lower Upper
164 100
162 104.3 83.2 124.8
160 44.1 34.6 52.0

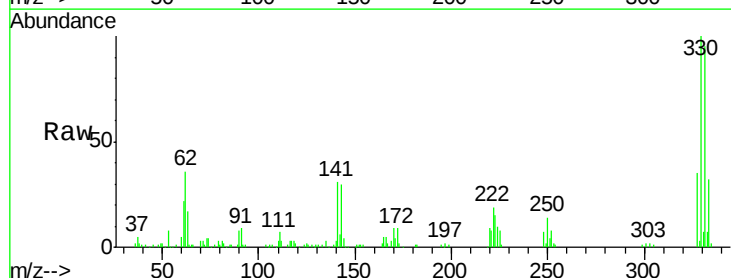


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

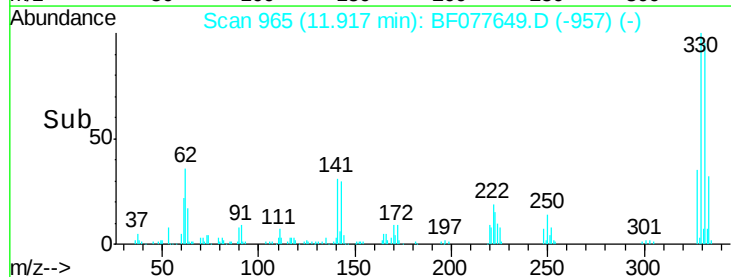
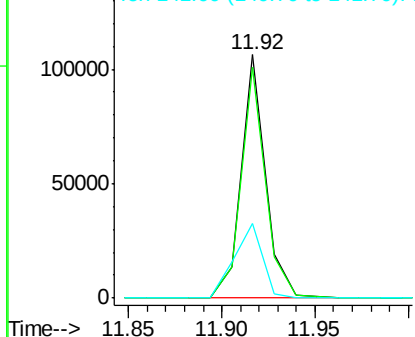


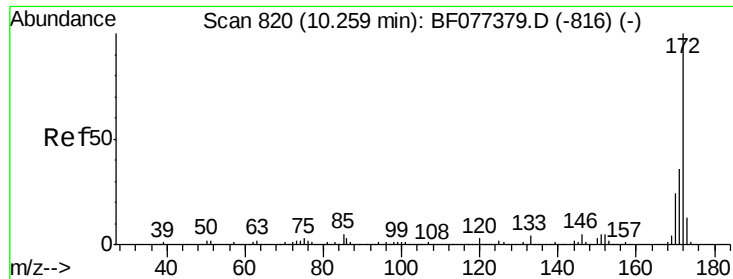
#41
2,4,6-Tribromophenol
Concen: 96.38 ng
RT: 11.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Tgt Ion:330 Resp: 96772
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.2
141 36.3 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

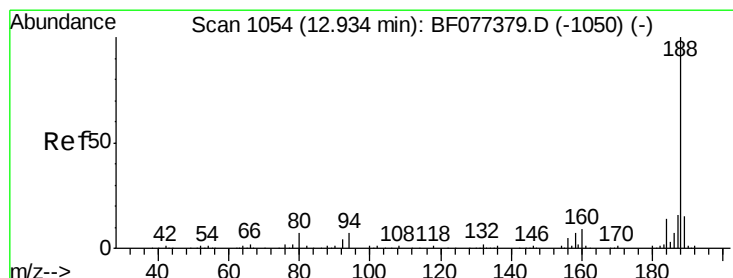
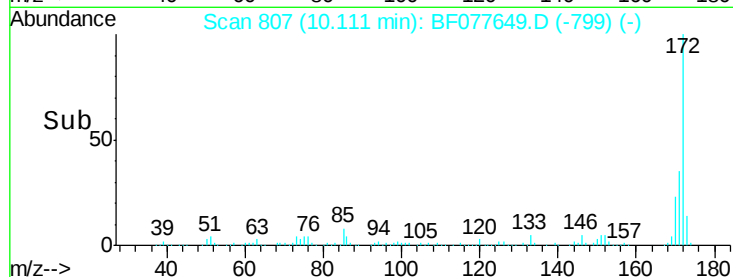
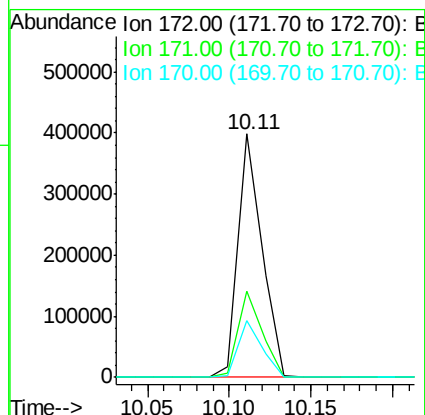
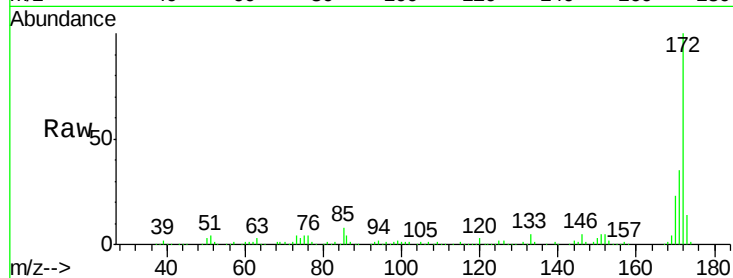




#44
 2-Fluorobiphenyl
 Concen: 59.97 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077649.D
 Acq: 9 Mar 2015 20:30

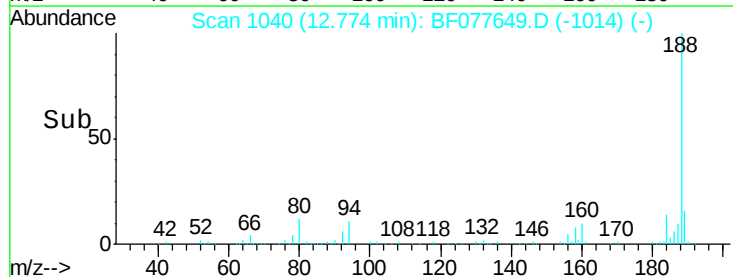
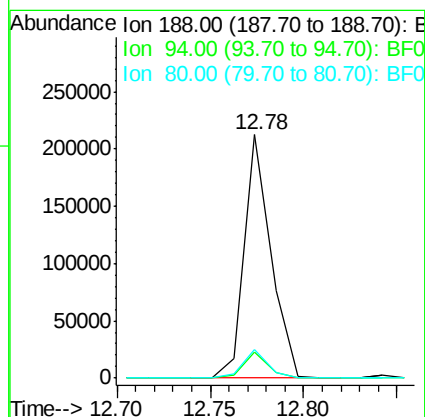
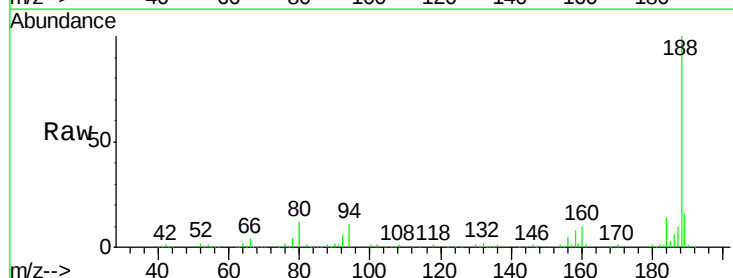
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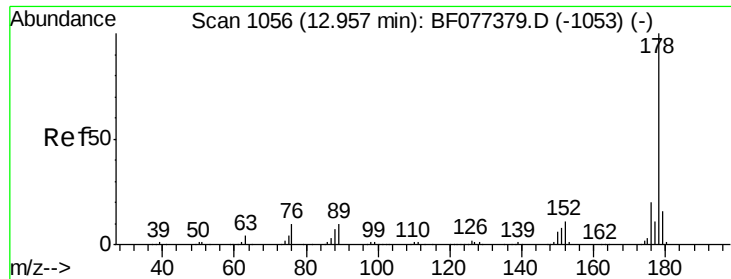
Tot Ion:172 Resp: 401080
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 23.4 19.4 29.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.78 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF077649.D
 Acq: 9 Mar 2015 20:30

Tgt Ion:188 Resp: 210581
 Ion Ratio Lower Upper
 188 100
 94 10.5 7.4 11.2
 80 11.6 8.0 12.0

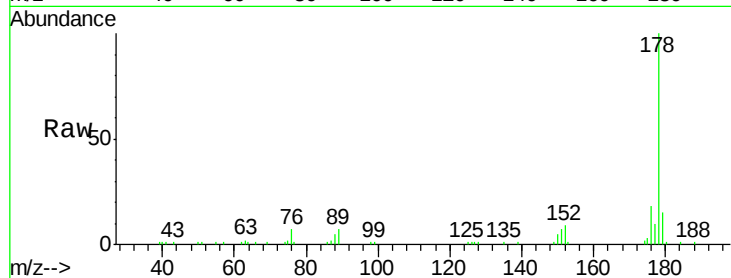




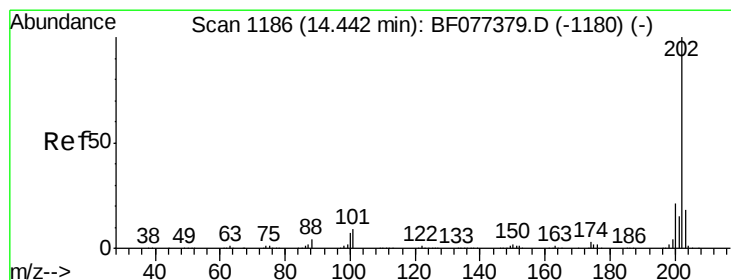
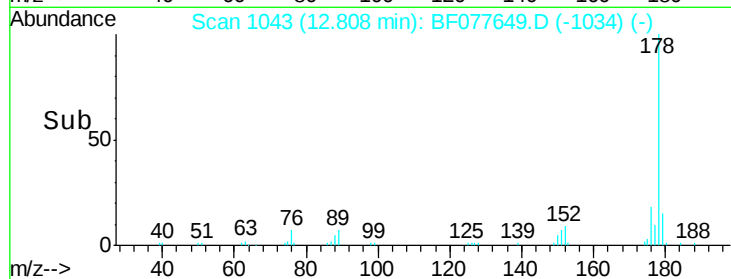
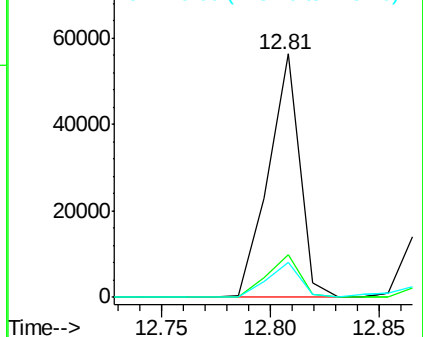
#70
Phenanthrene
Concen: 4.67 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Instrument :
BNA_F
ClientSampleId :
SEP3

Tot Ion:178 Resp: 56984
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 14.6 12.2 18.2

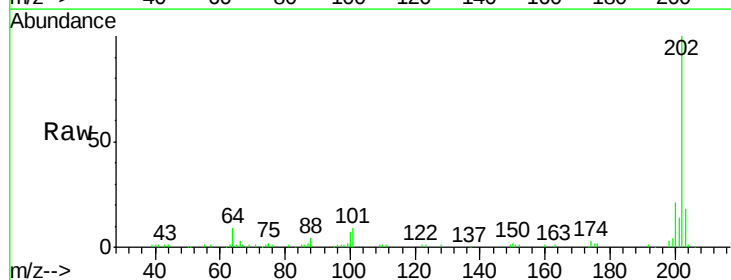


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

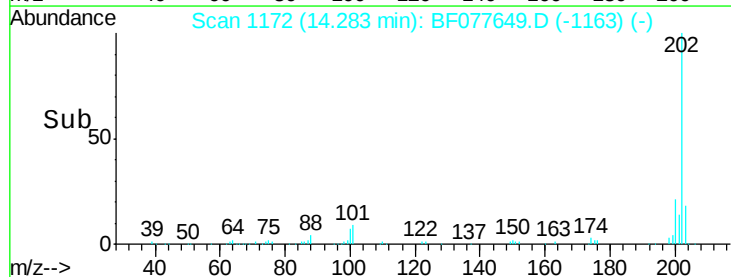
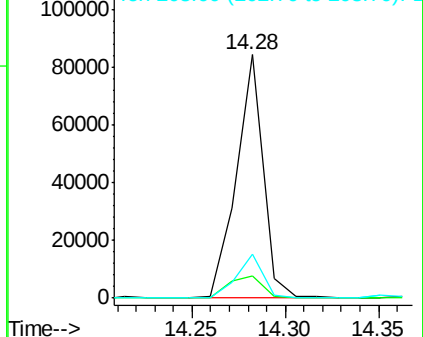


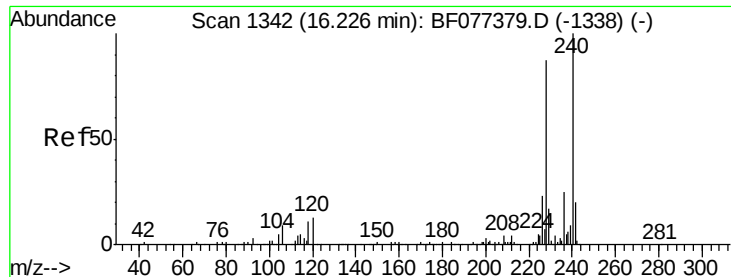
#74
Fluoranthene
Concen: 6.36 ng
RT: 14.28 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Tgt Ion:202 Resp: 84767
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.8
203 18.0 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: 16.06 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

Instrument :

BNA_F

ClientSampleId :

SEP3

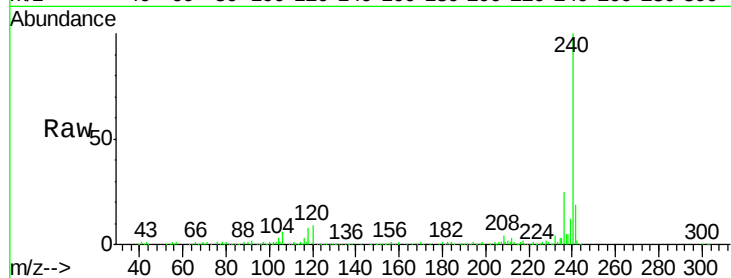
Tot Ion:240 Resp: 262202

Ion Ratio Lower Upper

240 100

120 8.7 8.8 13.2#

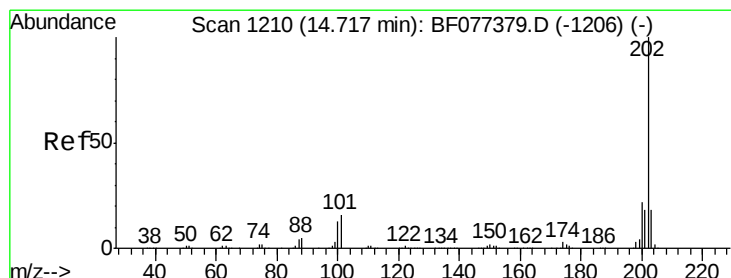
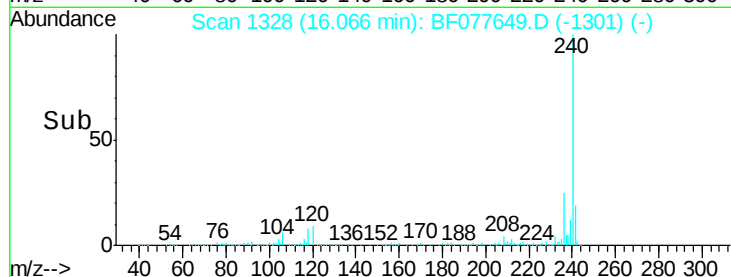
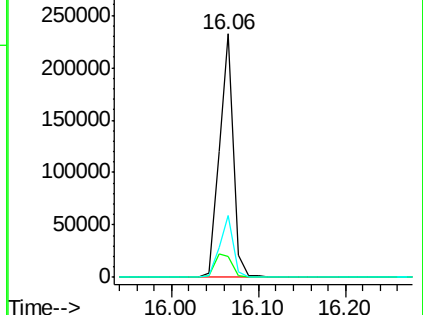
236 25.2 20.7 31.1



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: 4.88 ng

RT: 14.56 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

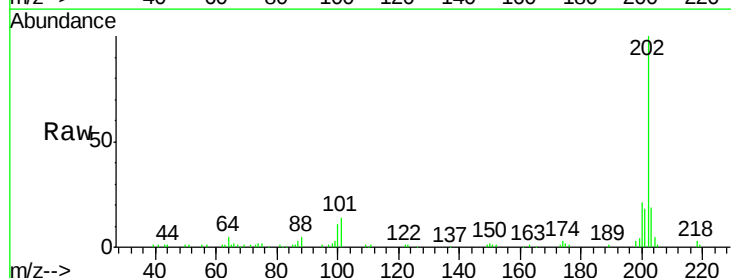
Tgt Ion:202 Resp: 78293

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

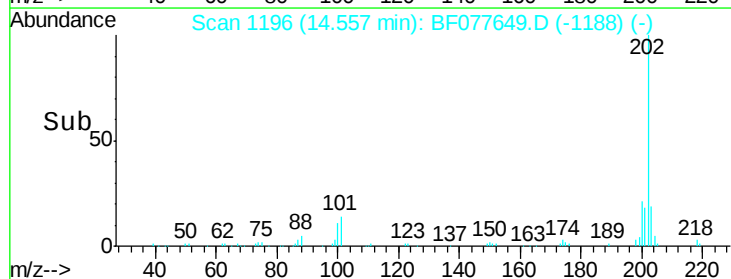
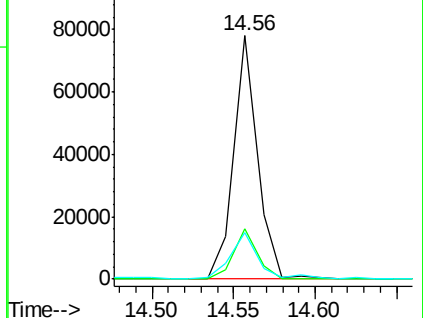
203 19.3 14.2 21.2

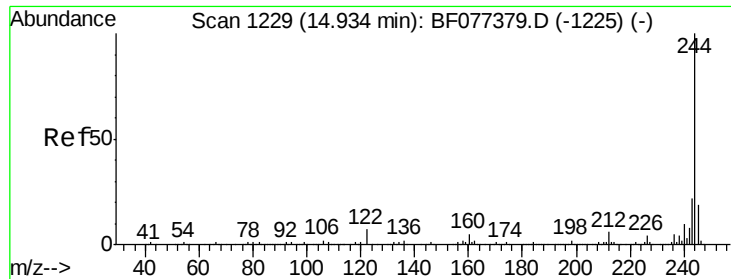


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

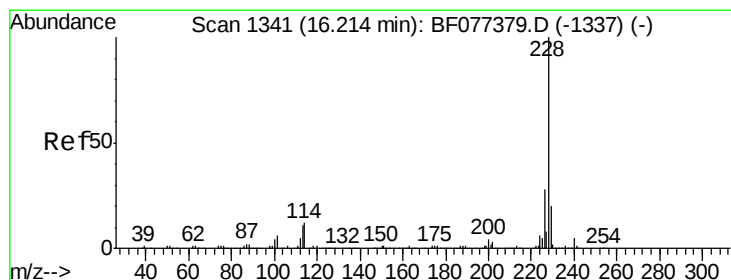
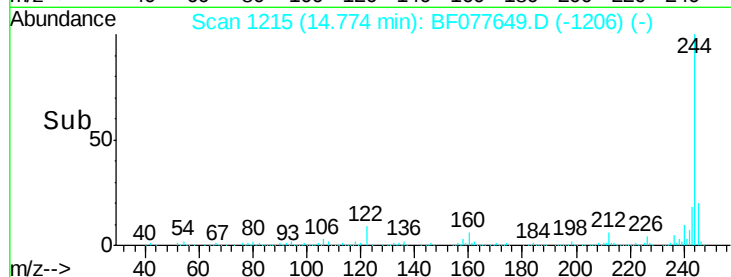
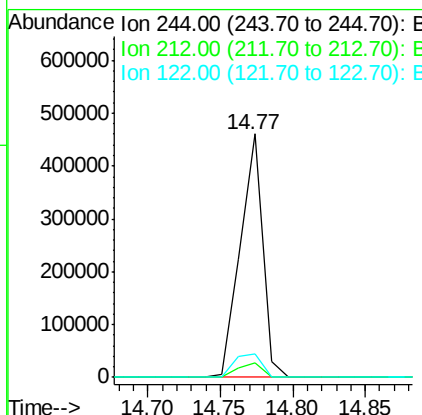
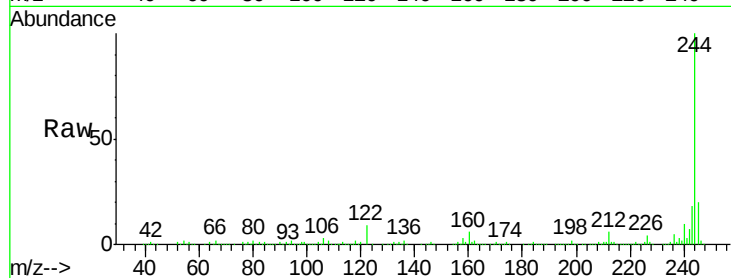




#78
 Terphenyl-d14
 Concen: 44.05 ng
 RT: 14.77 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF077649.D
 Acq: 9 Mar 2015 20:30

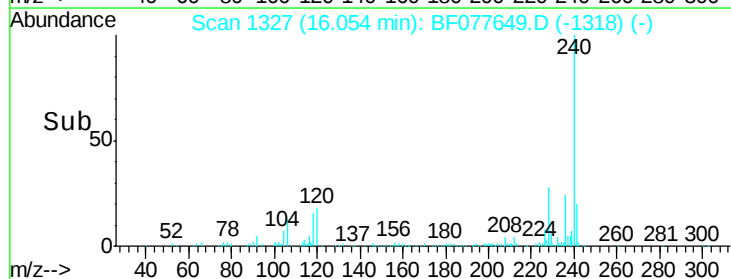
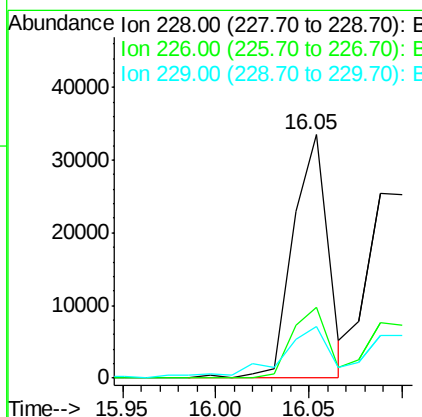
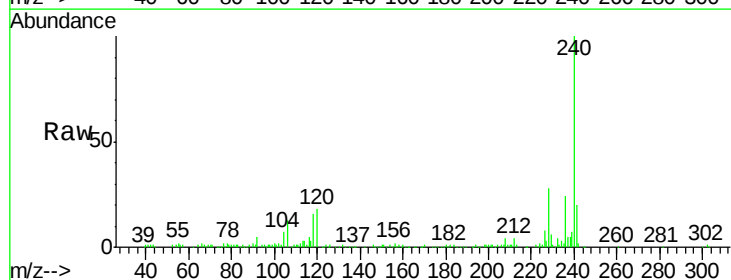
Instrument :
 BNA_F
 ClientSampleId :
 SEP3

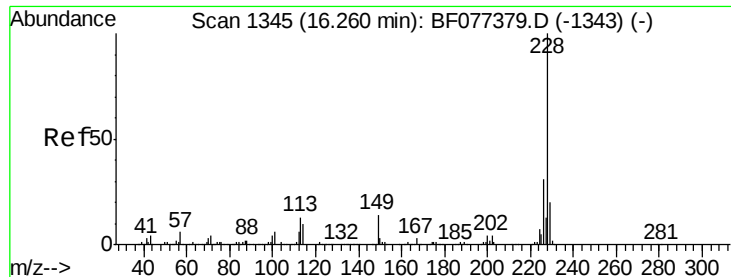
Tot Ion:244 Resp: 494067
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 9.4 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 2.84 ng
 RT: 16.05 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: BF077649.D
 Acq: 9 Mar 2015 20:30

Tgt Ion:228 Resp: 43705
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.0 33.0
 229 21.2 15.8 23.8





#82

Chrysene

Concen: 2.93 ng

RT: 16.09 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

Instrument :

BNA_F

ClientSampleId :

SEP3

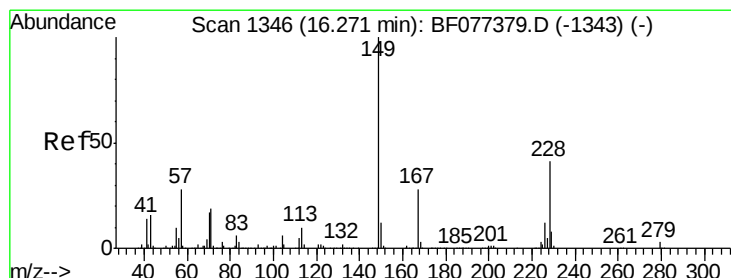
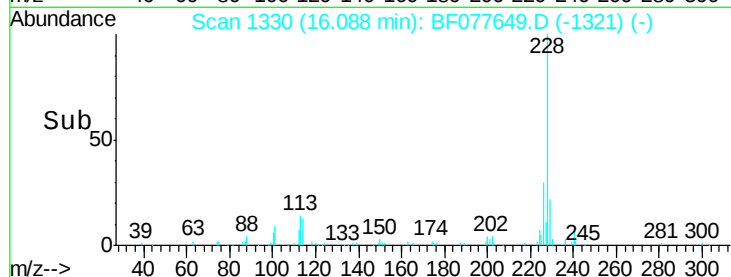
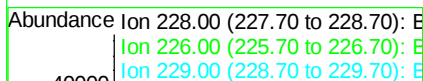
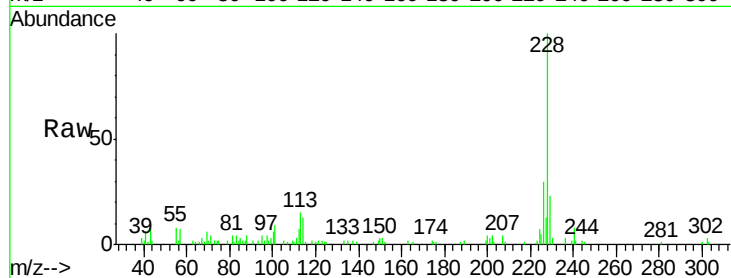
Tot Ion:228 Resp: 42339

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 22.8 16.4 24.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 13.43 ng

RT: 16.12 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

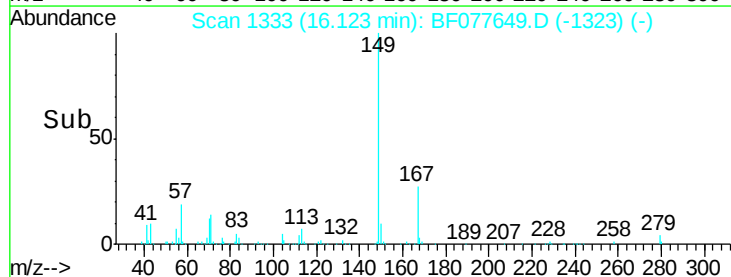
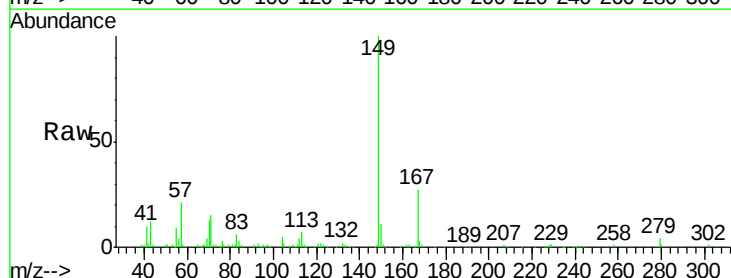
Tgt Ion:149 Resp: 142105

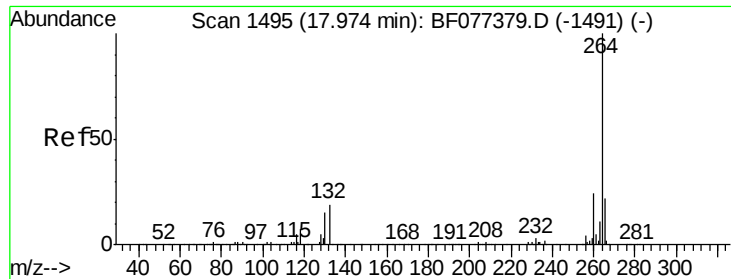
Ion Ratio Lower Upper

149 100

167 27.2 22.8 34.2

279 3.8 3.8 5.6



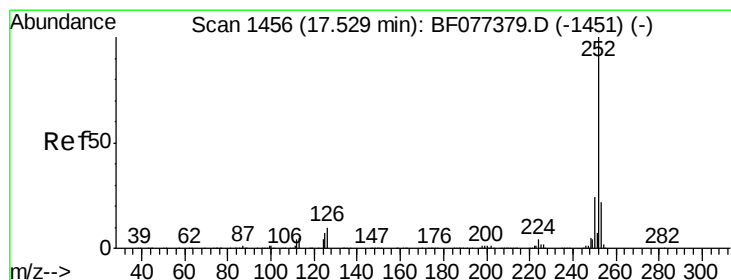
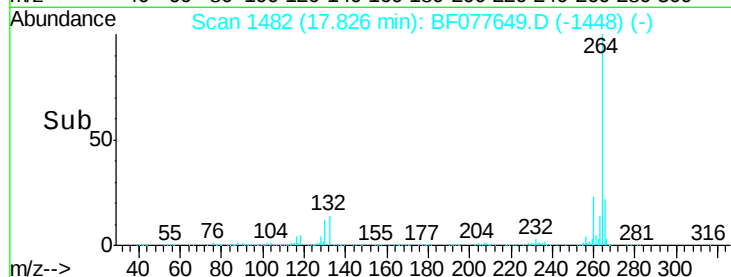
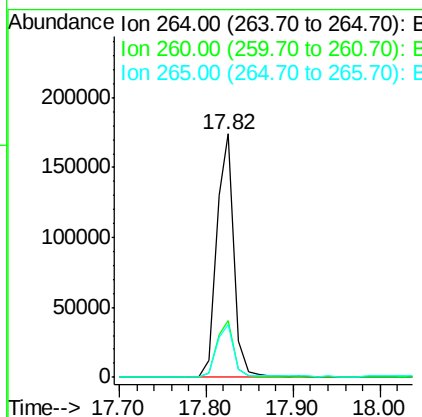
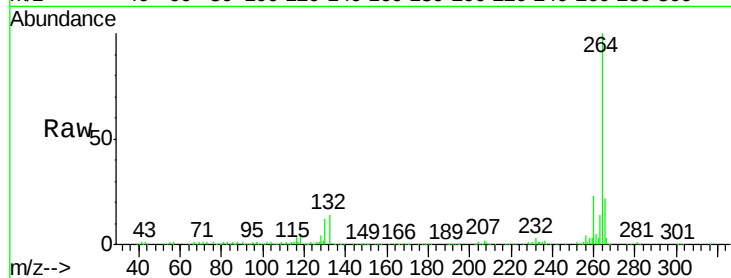


#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.82 min Scan# 1482
Delta R.T. 0.09 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Instrument :
BNA_F
ClientSampleId :
SEP3

Tot Ion:264 Resp: 242810

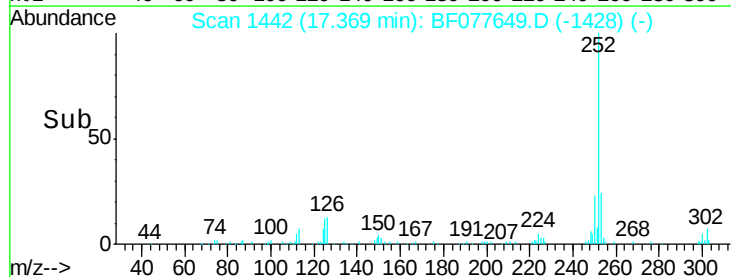
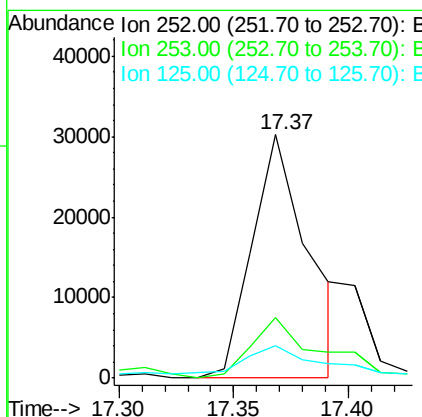
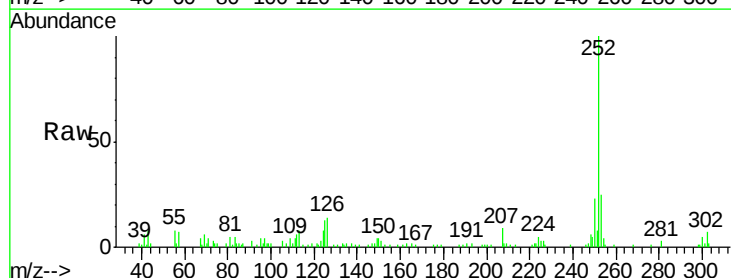
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.7	16.8	25.2

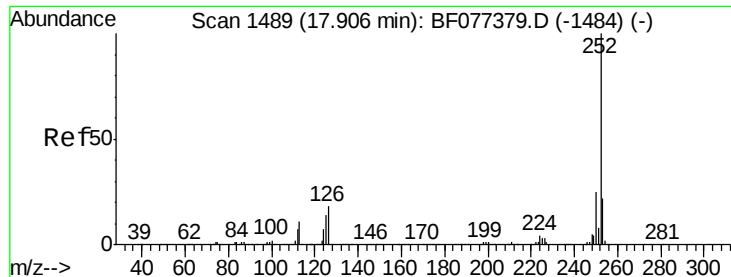


#87
Benzo(b)fluoranthene
Concen: 3.67 ng m
RT: 17.37 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF077649.D
Acq: 9 Mar 2015 20:30

Tgt Ion:252 Resp: 51881

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	13.5	5.4	8.2#





#89

Benzo(a)pyrene

Concen: 2.44 ng

RT: 17.76 min Scan# 1476

Delta R.T. 0.08 min

Lab File: BF077649.D

Acq: 9 Mar 2015 20:30

Instrument :

BNA_F

ClientSampleId :

SEP3

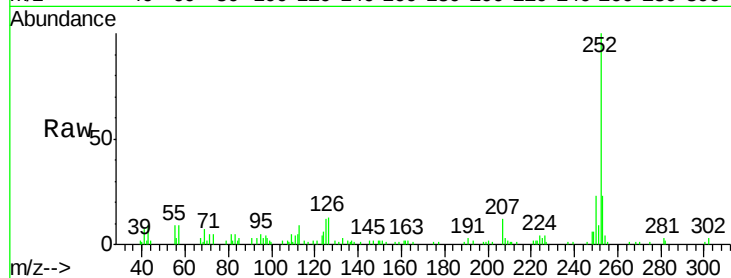
Tot Ion:252 Resp: 32811

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 12.3 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

