

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051915\
 Data File : BF079370.D
 Acq On : 20 May 2015 6:52
 Operator : TP/IZ
 Sample : G2289-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

Quant Time: May 20 07:39:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 07:04:25 2015
 Response via : Initial Calibration

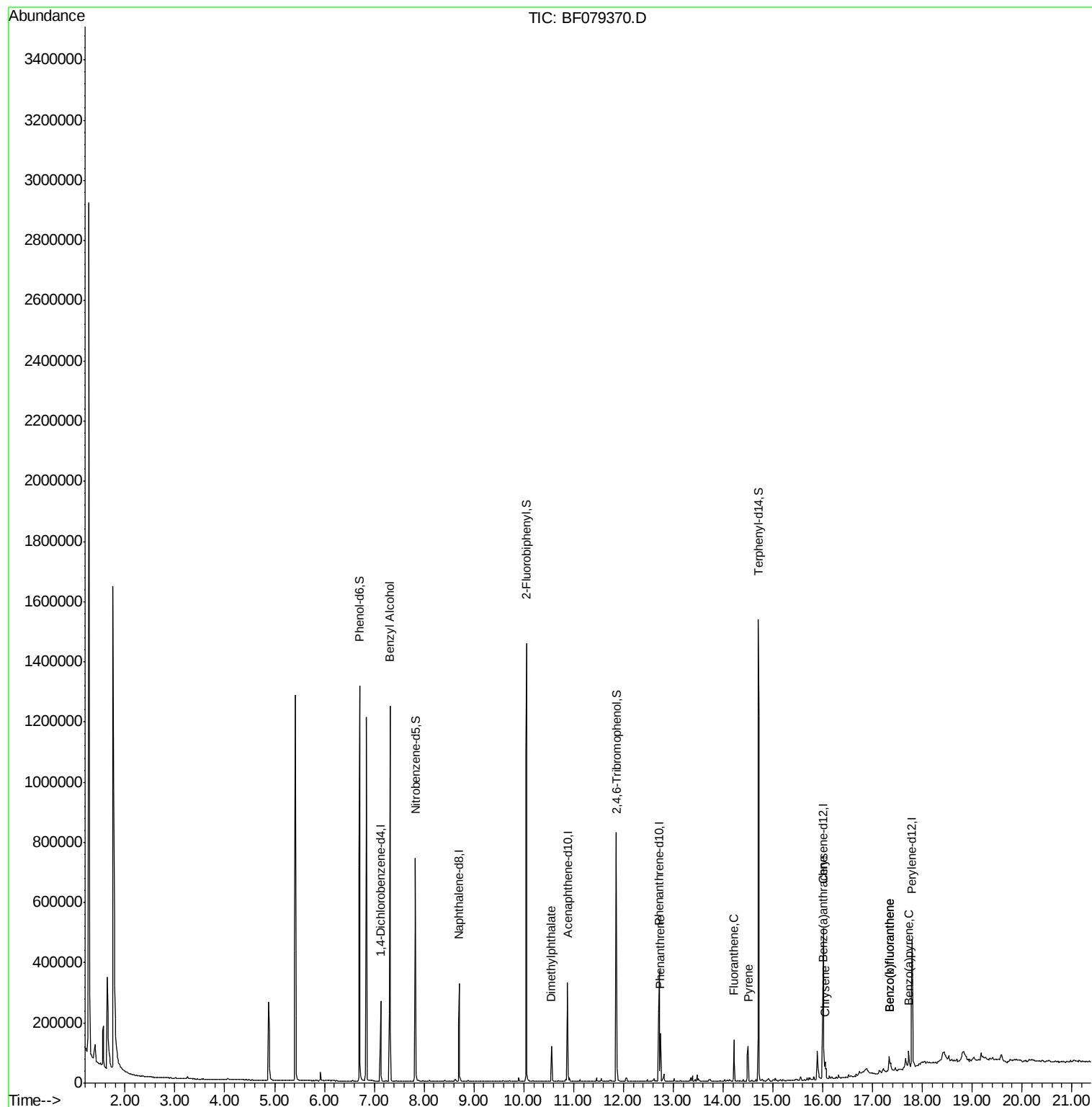
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	45285	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	182540	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	90389	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	173509	20.00	ng	0.00
75) Chrysene-d12	16.01	240	193027	20.00	ng	0.01
86) Perylene-d12	17.79	264	199298	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.71	99	550448	158.29	ng	0.00
23) Nitrobenzene-d5	7.83	82	305648	96.23	ng	0.00
41) 2,4,6-Tribromophenol	11.86	330	155734	159.26	ng	0.00
44) 2-Fluorobiphenyl	10.06	172	624108	96.20	ng	0.00
78) Terphenyl-d14	14.71	244	708433	87.87	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.31	79	5484	2.12	ng	Qvalue # 48
49) Dimethylphthalate	10.56	163	47980	7.23	ng	98
70) Phenanthrene	12.74	178	64795	6.68	ng	99
74) Fluoranthene	14.22	202	67458	6.67	ng	99
77) Pyrene	14.50	202	60437	5.43	ng	97
80) Benzo(a)anthracene	16.00	228	33054	3.13	ng	99
82) Chrysene	16.05	228	24145	2.37	ng	97
87) Benzo(b)fluoranthene	17.34	252	45265	4.15	ng	99
88) Benzo(k)fluoranthene	17.34	252	45265	4.29	ng	# 95
89) Benzo(a)pyrene	17.73	252	24866	2.48	ng	96

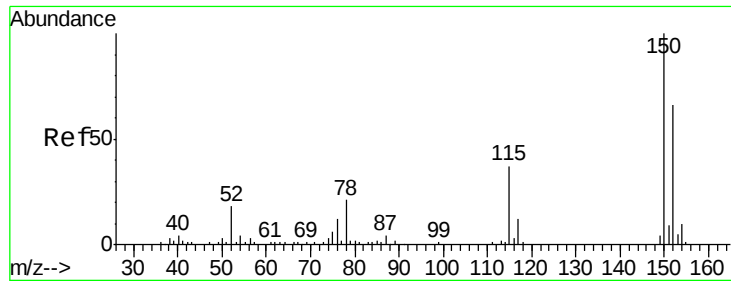
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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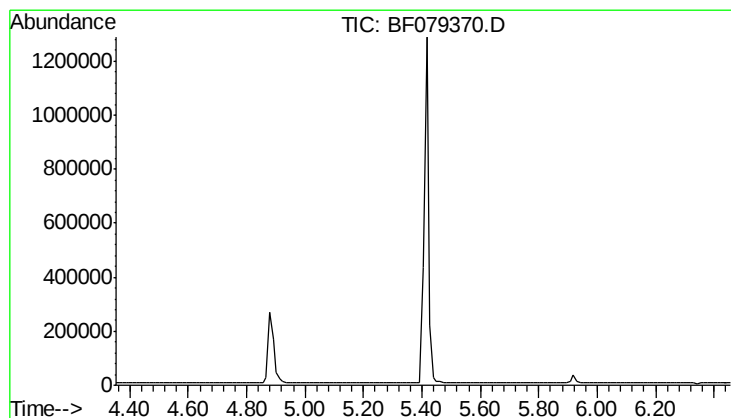
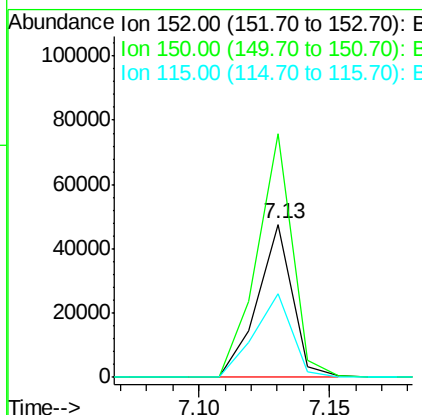
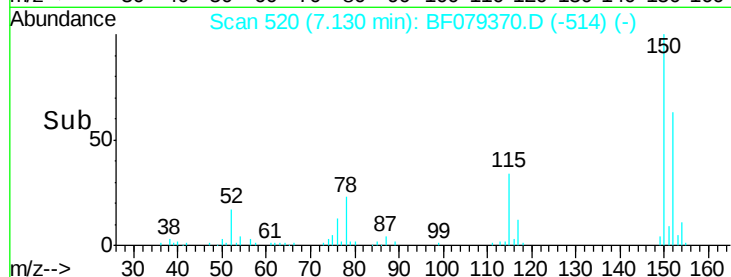
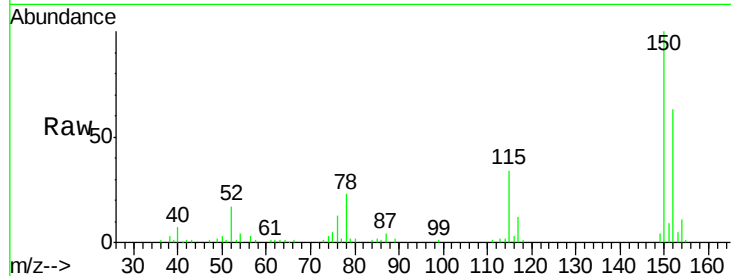




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

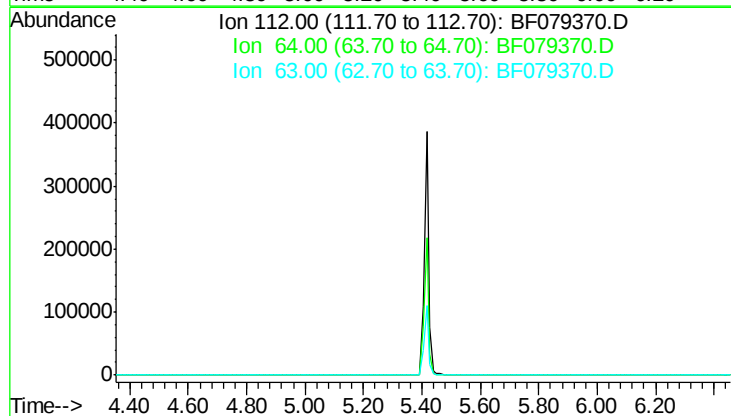
Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

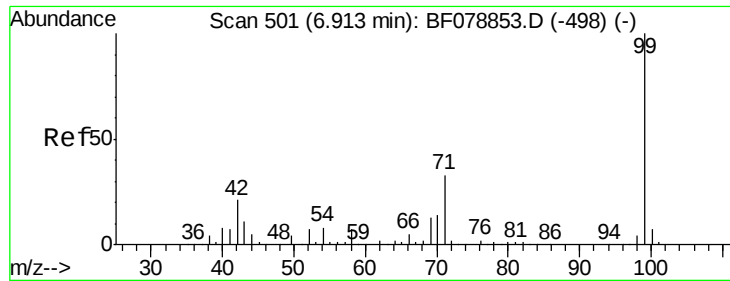
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.8	185.8
115	54.8	49.4	74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.40 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

Tgt Ion	Sig	Exp Ratio
112	100	
64	55.2	
63	28.4	





#7

Phenol-d6

Concen: 158.29 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

Instrument :

BNA_F

ClientSampleId :

SB-35S

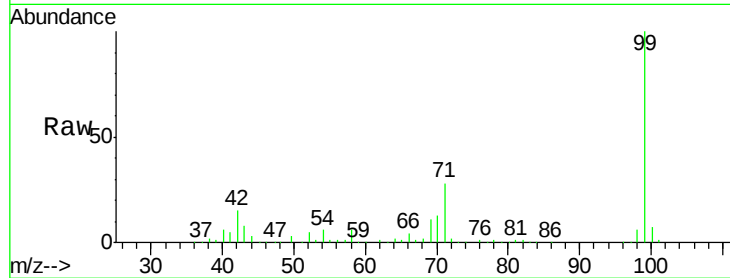
Tgt Ion: 99 Resp: 550448

Ion Ratio Lower Upper

99 100

42 14.9 17.1 25.7#

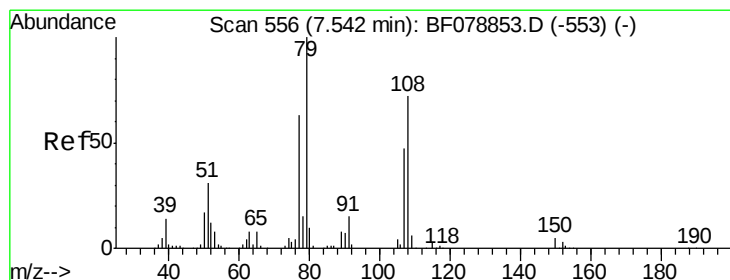
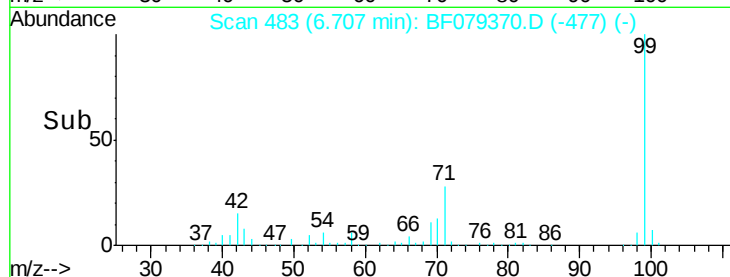
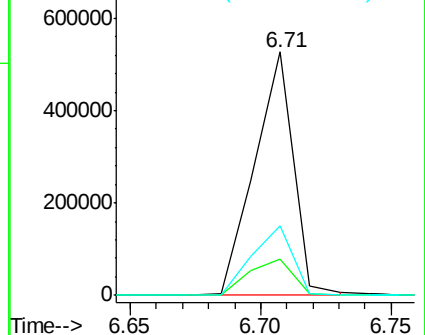
71 28.5 26.3 39.5



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



#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 7.31 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

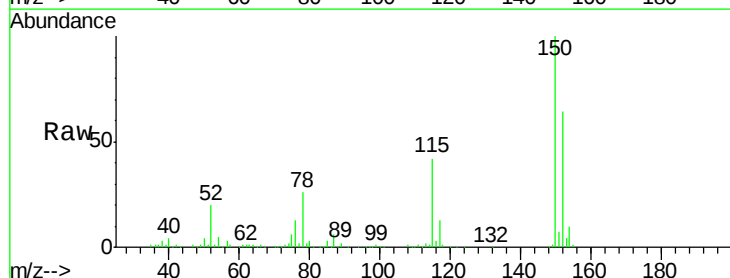
Tgt Ion: 79 Resp: 5484

Ion Ratio Lower Upper

79 100

108 33.2 57.4 86.2#

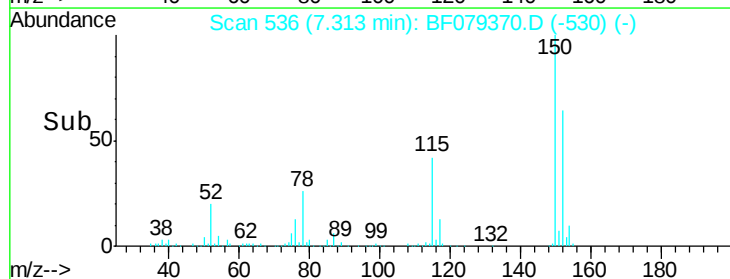
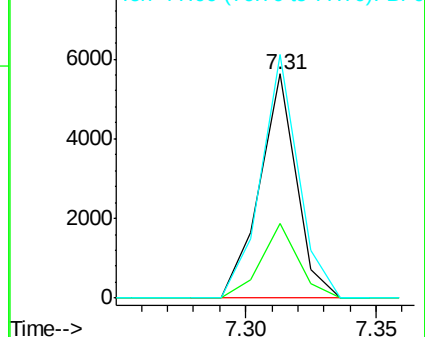
77 108.8 50.2 75.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): B

Ion 77.00 (76.70 to 77.70): BF0

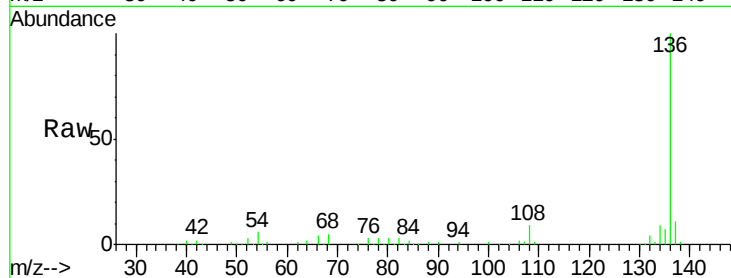




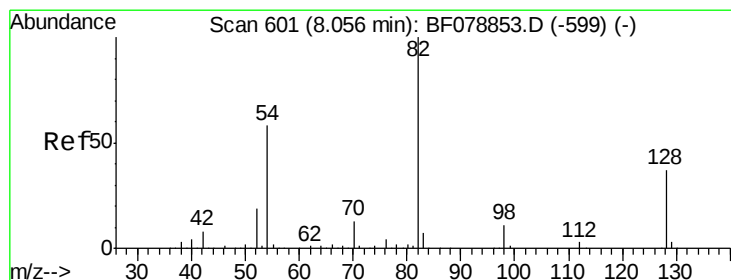
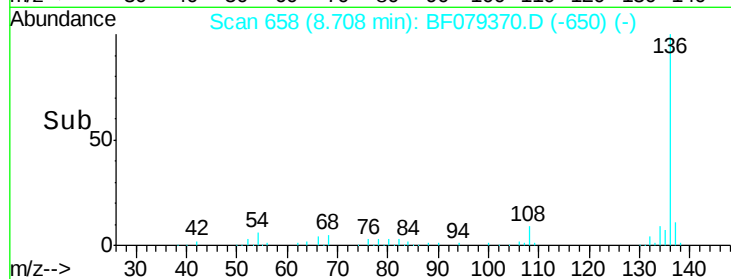
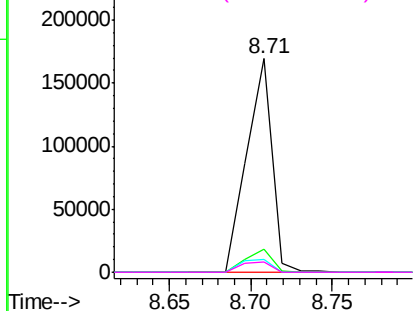
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Instrument :
BNA_F
ClientSampleId :
SB-35S

Tgt Ion:	136	Resp:	182540
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.2	6.9	10.3#
68	4.9	4.9	7.3#

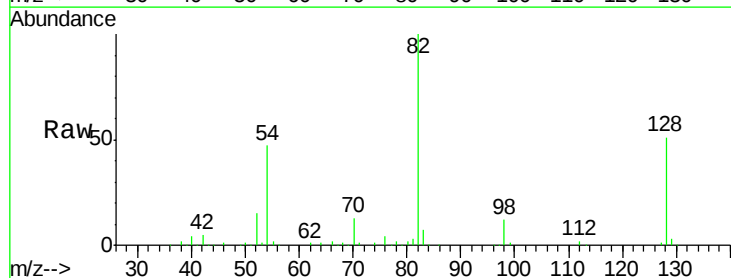


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

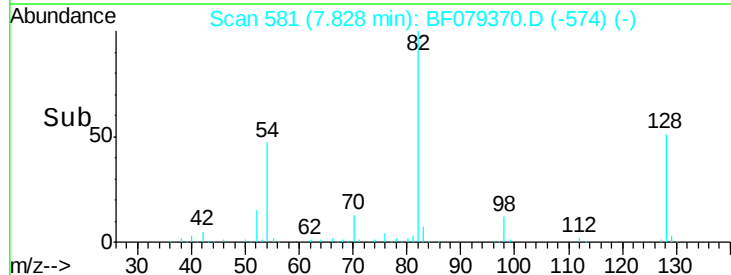
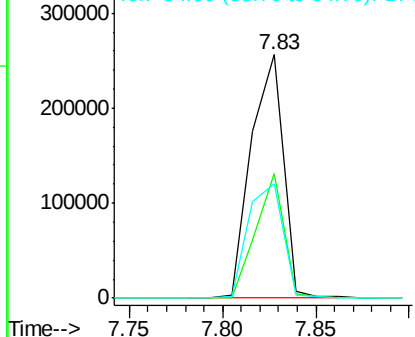


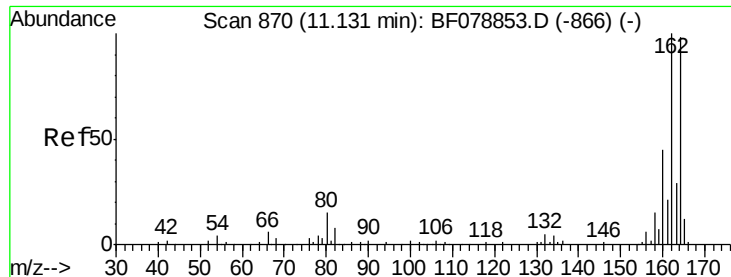
#23
Nitrobenzene-d5
Concen: 96.23 ng
RT: 7.83 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion:	82	Resp:	305648
Ion	Ratio	Lower	Upper
82	100		
128	51.4	29.7	44.5#
54	47.1	46.2	69.4



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: 10.88 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

Instrument :

BNA_F

ClientSampleId :

SB-35S

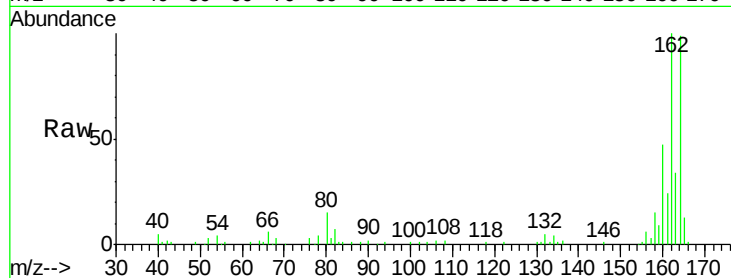
Tgt Ion:164 Resp: 90389

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

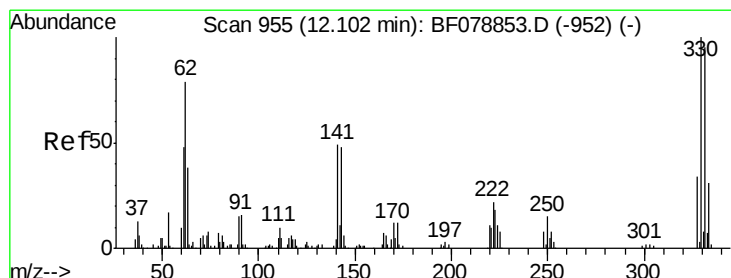
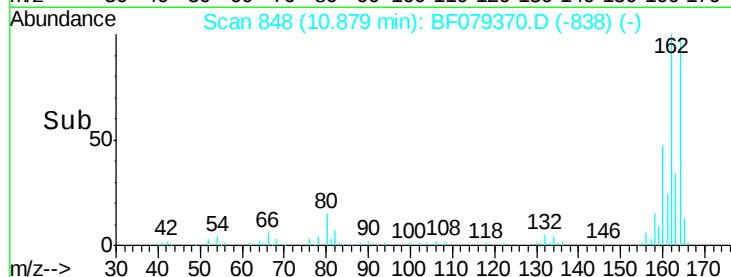
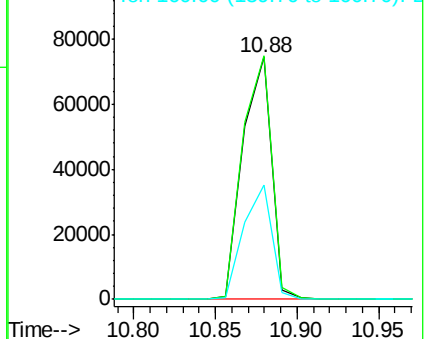
160 47.2 36.6 54.8



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: 159.26 ng

RT: 11.86 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

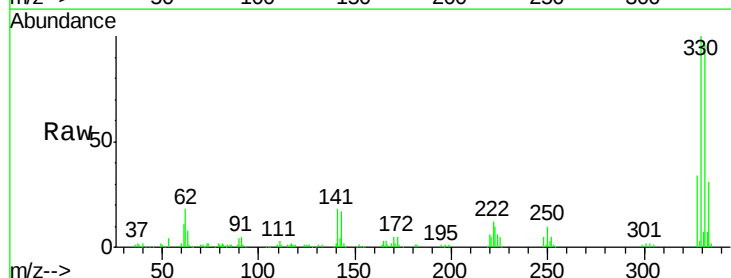
Tgt Ion:330 Resp: 155734

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

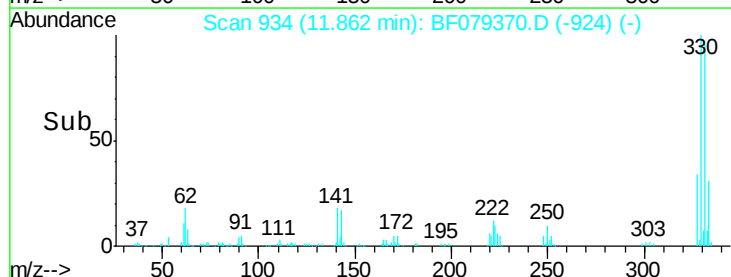
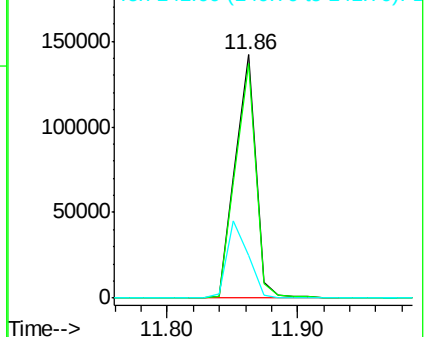
141 32.9 27.8 41.8



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

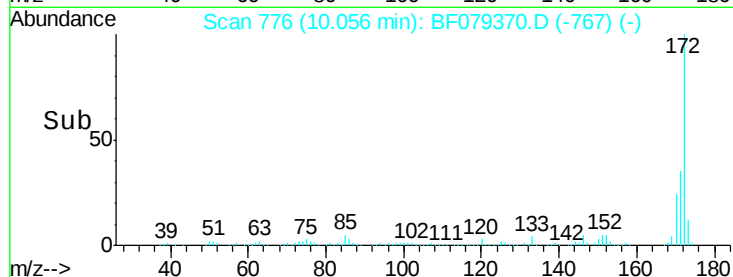
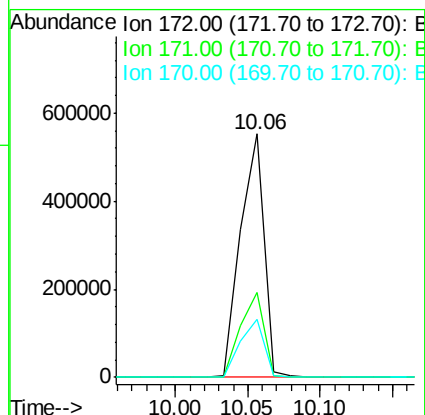
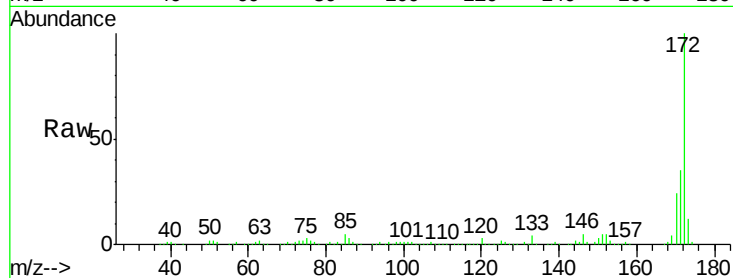




#44
2-Fluorobiphenyl
Concen: 96.20 ng
RT: 10.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

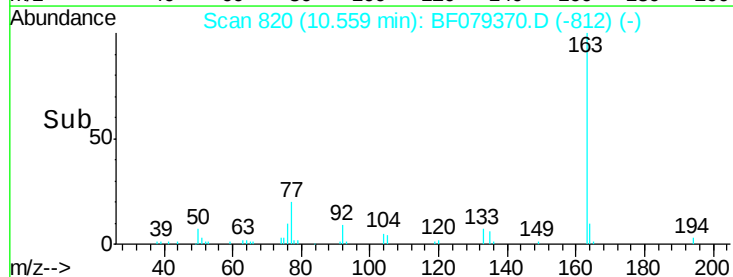
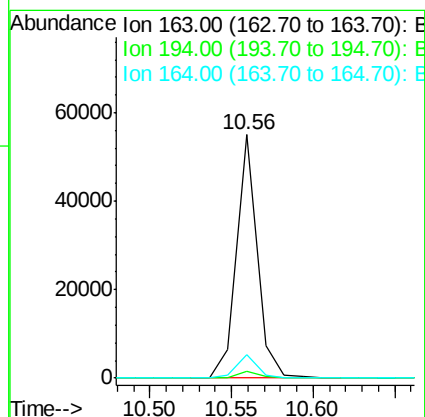
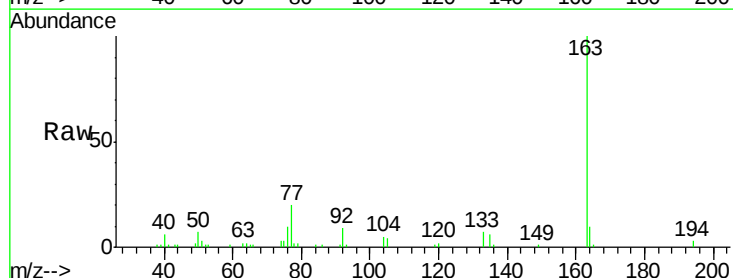
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Tgt Ion:172 Resp: 624108
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 24.0 19.4 29.2



#49
Dimethylphthalate
Concen: 7.23 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion:163 Resp: 47980
Ion Ratio Lower Upper
163 100
194 3.0 2.4 3.6
164 9.7 8.6 12.8

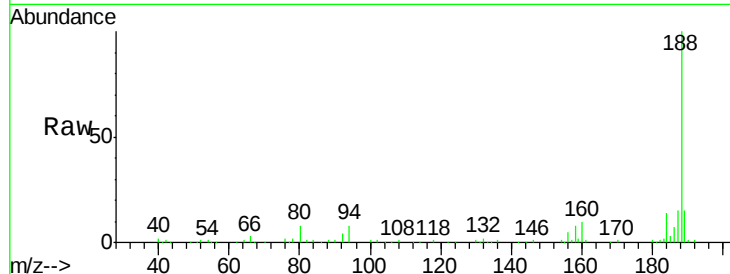




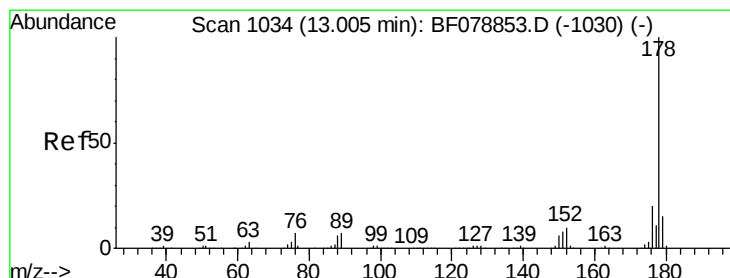
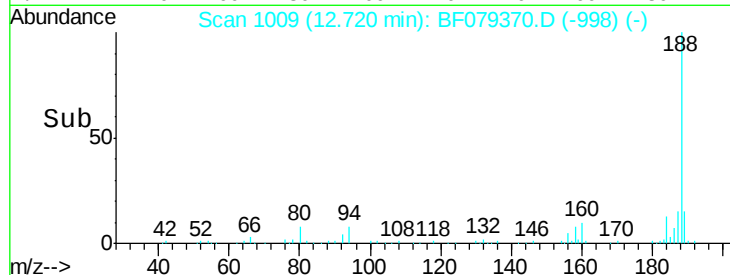
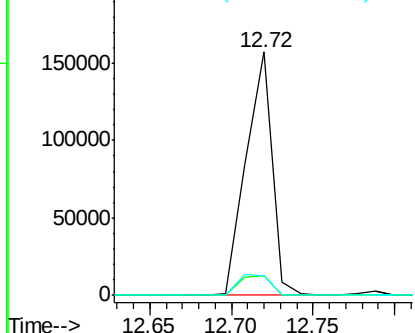
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Instrument :
BNA_F
ClientSampleId :
SB-35S

Tgt Ion:188 Resp: 173509
Ion Ratio Lower Upper
188 100
94 8.1 9.4 14.0#
80 8.1 9.8 14.6#

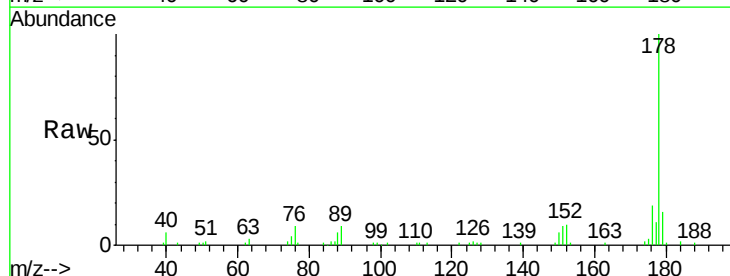


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

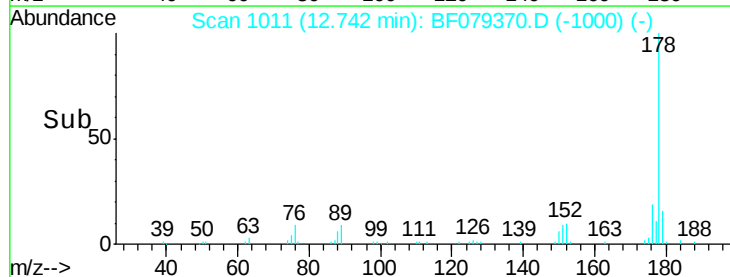
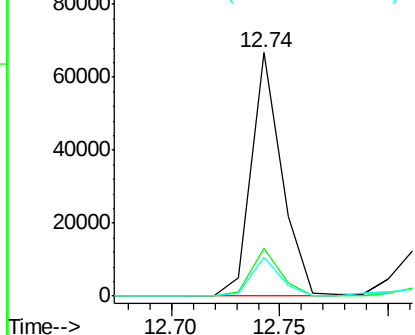


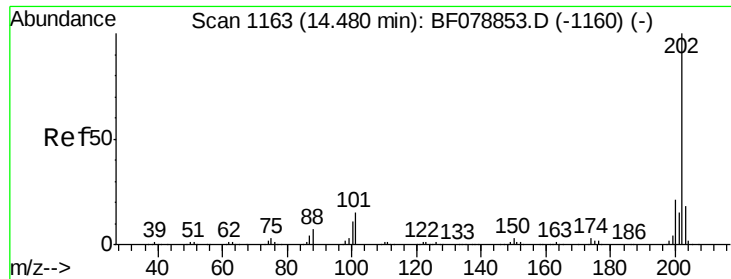
#70
Phenanthrene
Concen: 6.68 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion:178 Resp: 64795
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.7 12.2 18.4



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

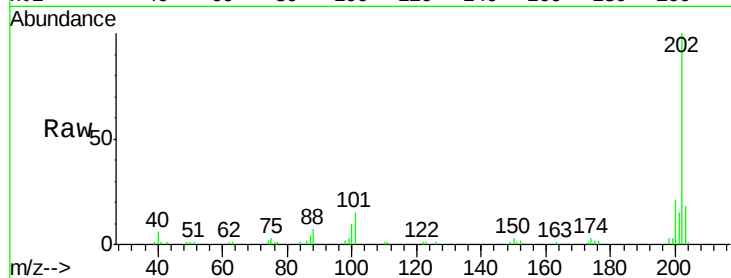




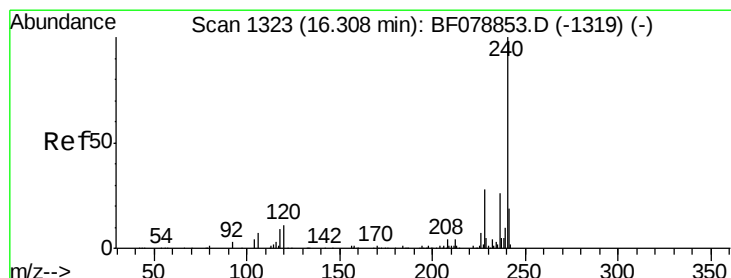
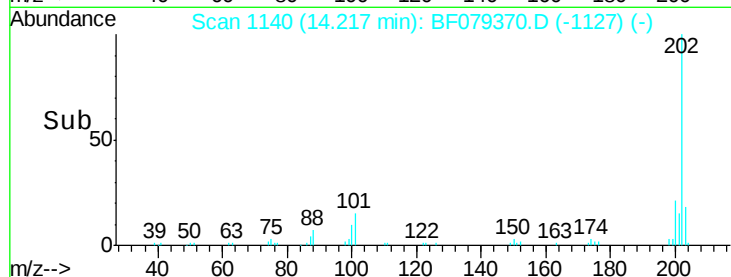
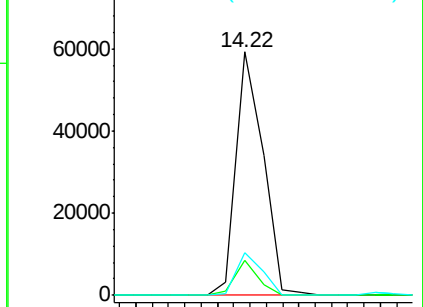
#74
Fluoranthene
Concen: 6.67 ng
RT: 14.22 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Instrument :
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SB-35S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.7
203	17.6	0.0	37.9

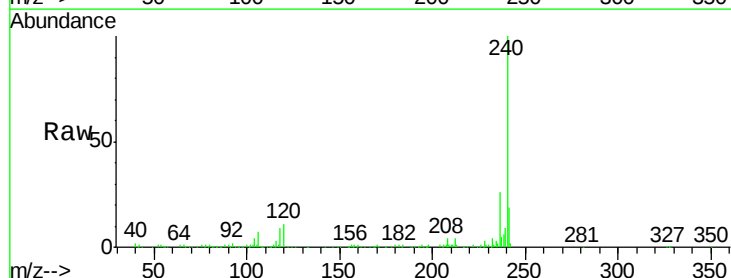


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

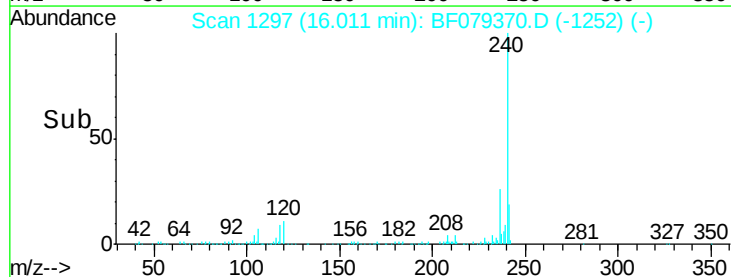
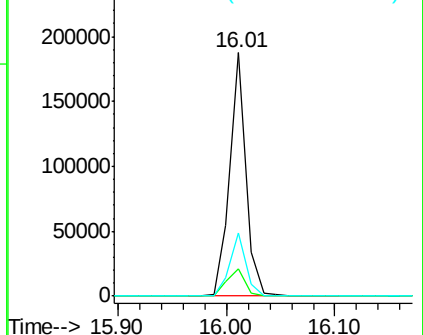


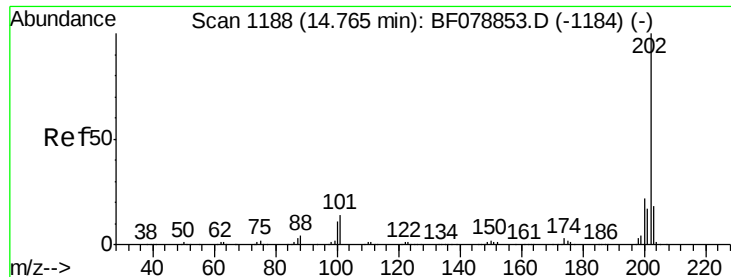
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.01 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.6	12.8
236	25.8	21.0	31.6



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: 5.43 ng

RT: 14.50 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

Instrument :

BNA_F

ClientSampleId :

SB-35S

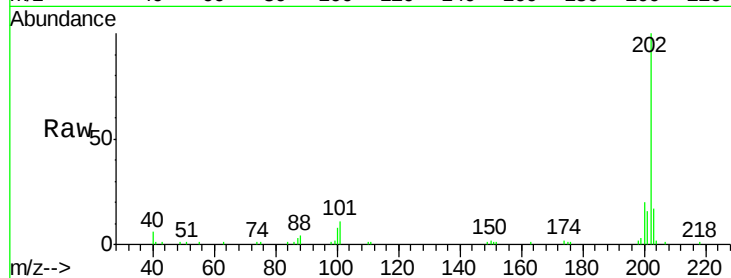
Tgt Ion:202 Resp: 60437

Ion Ratio Lower Upper

202 100

200 20.2 17.5 26.3

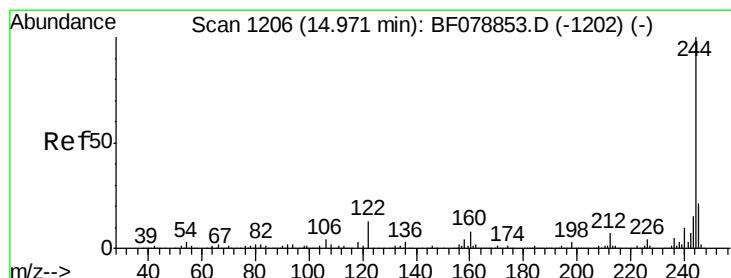
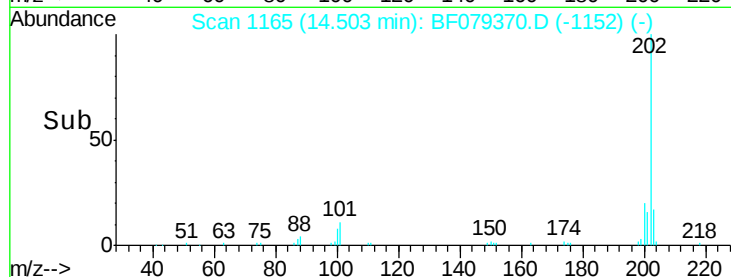
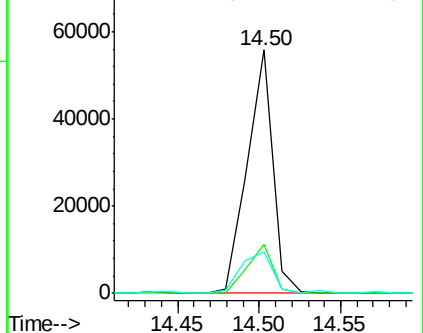
203 17.1 14.7 22.1



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: 87.87 ng

RT: 14.71 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

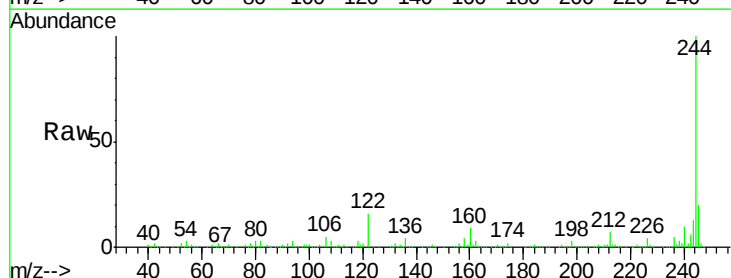
Tgt Ion:244 Resp: 708433

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

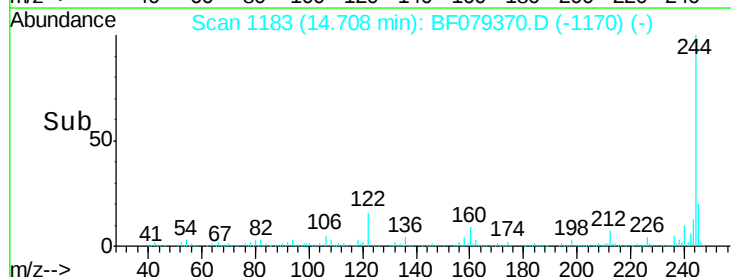
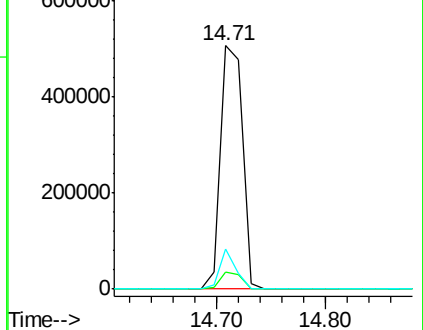
122 16.2 10.5 15.7#

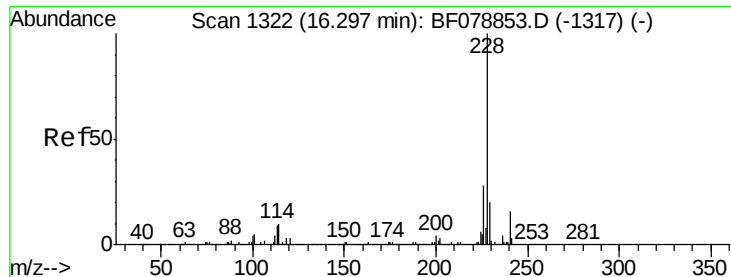


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.13 ng

RT: 16.00 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

Instrument :

BNA_F

ClientSampleId :

SB-35S

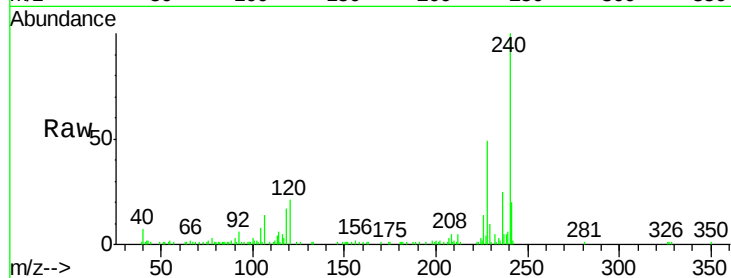
Tgt Ion:228 Resp: 33054

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

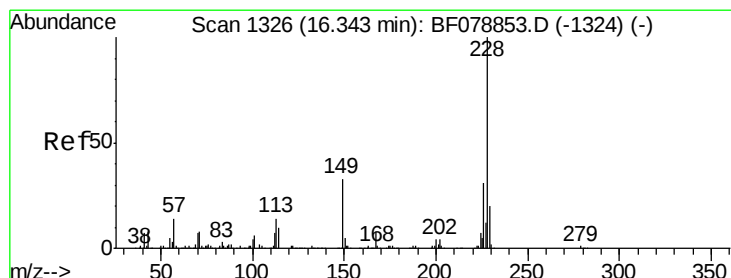
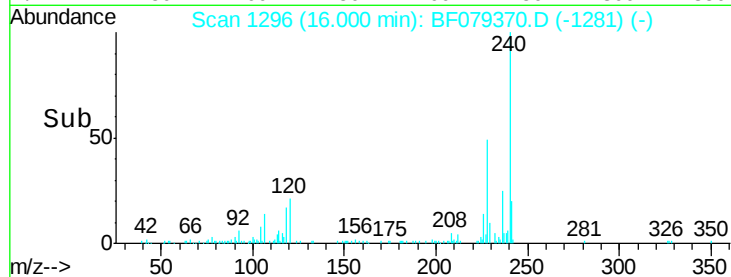
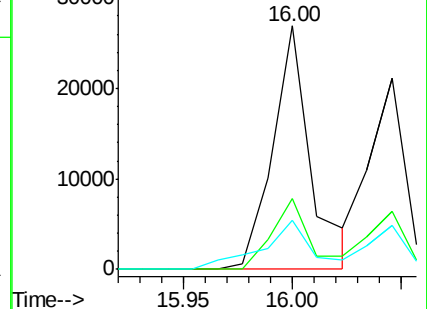
229 20.2 16.1 24.1



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: 2.37 ng

RT: 16.05 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF079370.D

Acq: 20 May 2015 6:52

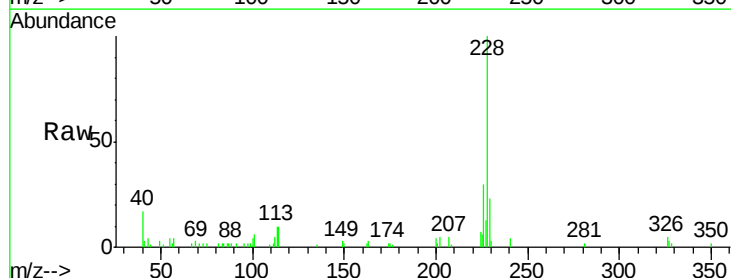
Tgt Ion:228 Resp: 24145

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

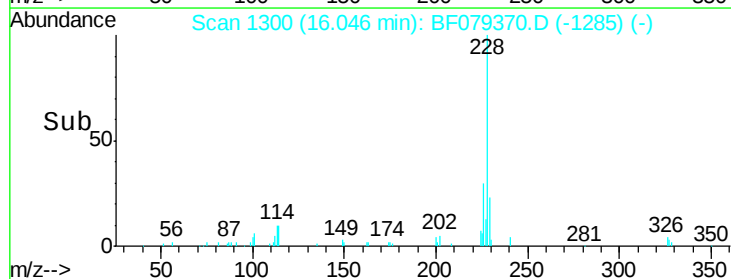
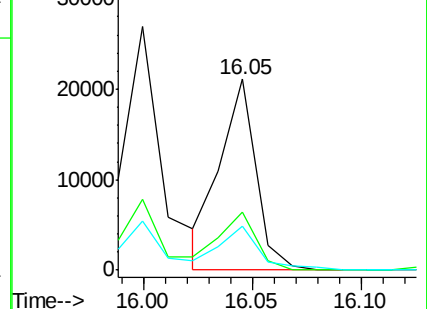
229 22.9 16.1 24.1

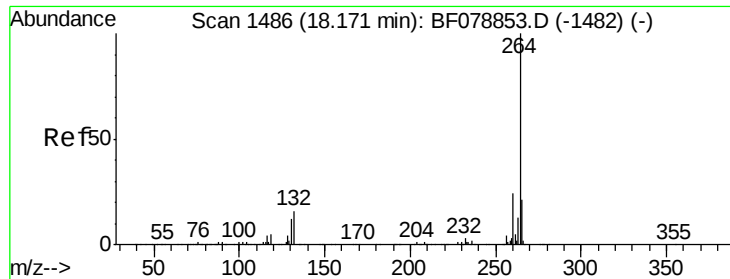


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

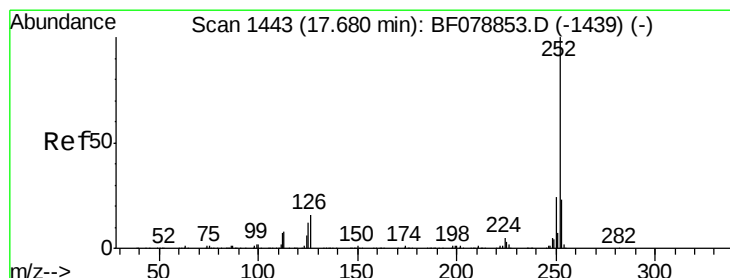
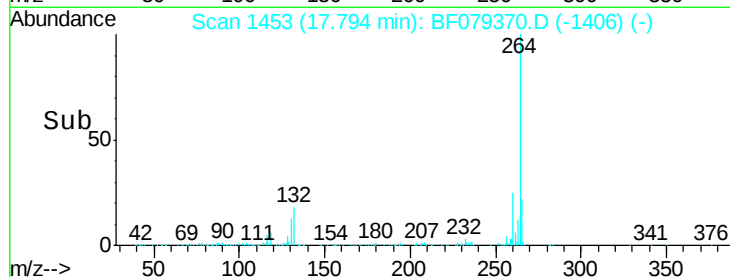
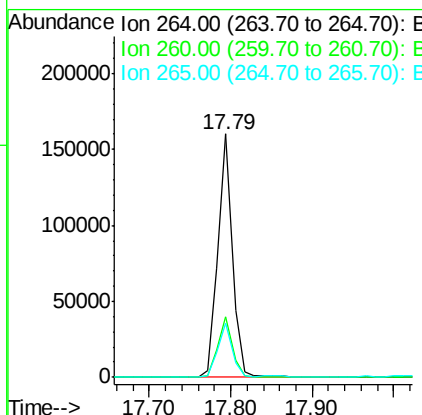
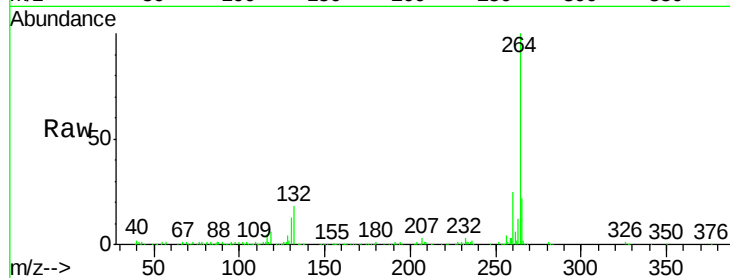




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1453
Delta R.T. 0.03 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

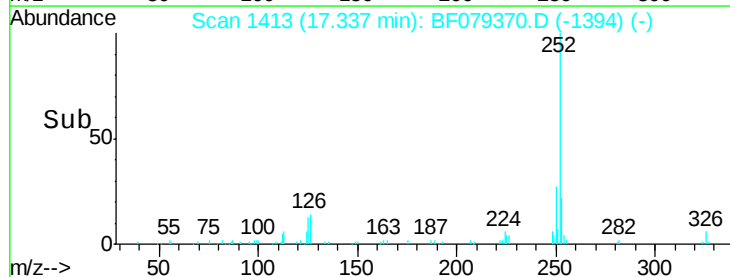
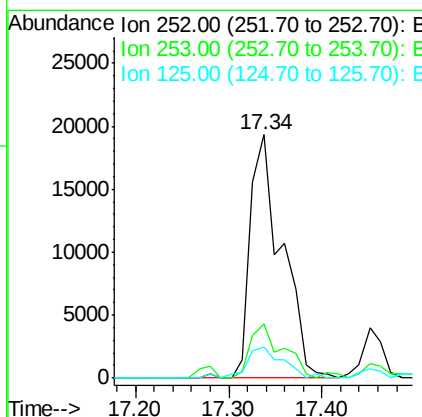
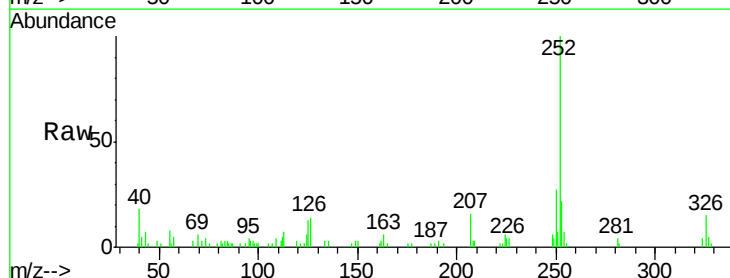
Instrument :
BNA_F
ClientSampleId :
SB-35S

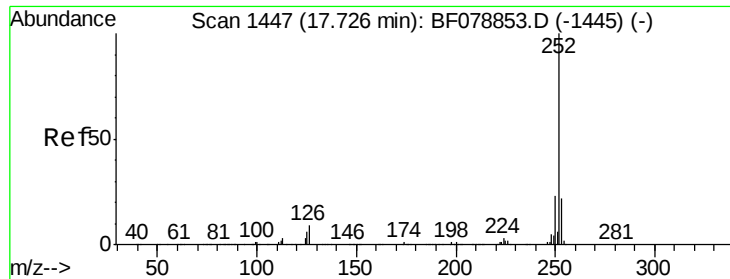
Tgt Ion: 264 Resp: 199298
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.15 ng
RT: 17.34 min Scan# 1413
Delta R.T. 0.03 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion: 252 Resp: 45265
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 12.7 9.4 14.2

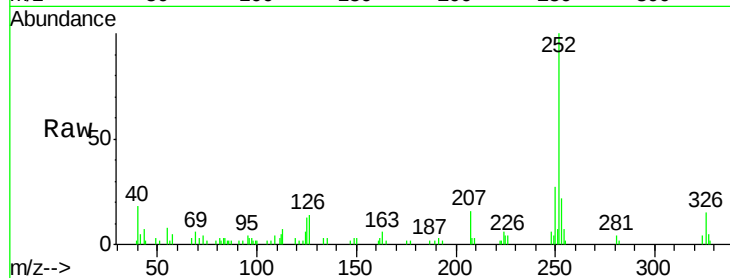




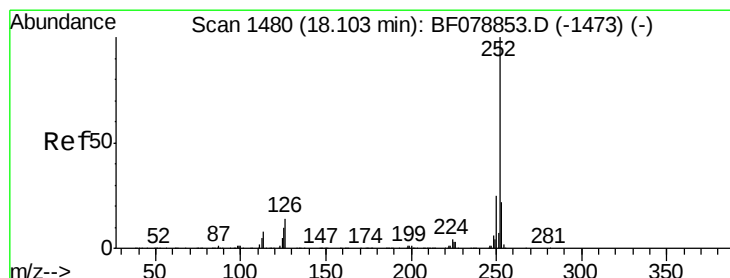
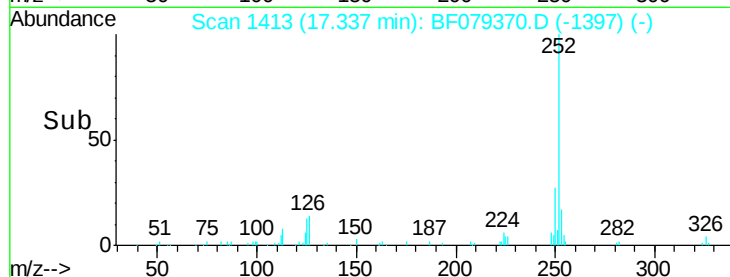
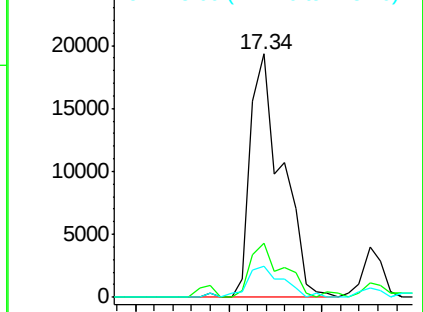
#88
Benzo(k)fluoranthene
Concen: 4.29 ng
RT: 17.34 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Instrument :
BNA_F
ClientSampleId :
SB-35S

Tgt Ion:252 Resp: 45265
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.7 6.1 9.1#

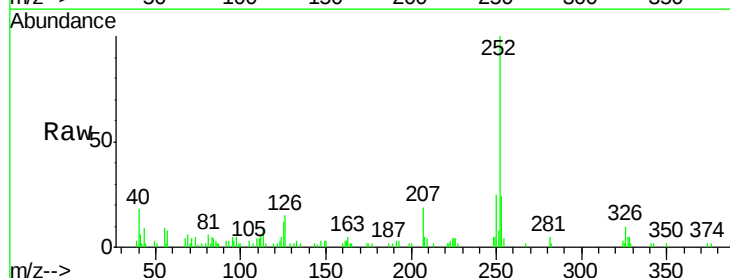


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.48 ng
RT: 17.73 min Scan# 1447
Delta R.T. 0.03 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Tgt Ion:252 Resp: 24866
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 11.8 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

