

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 07:41:50 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

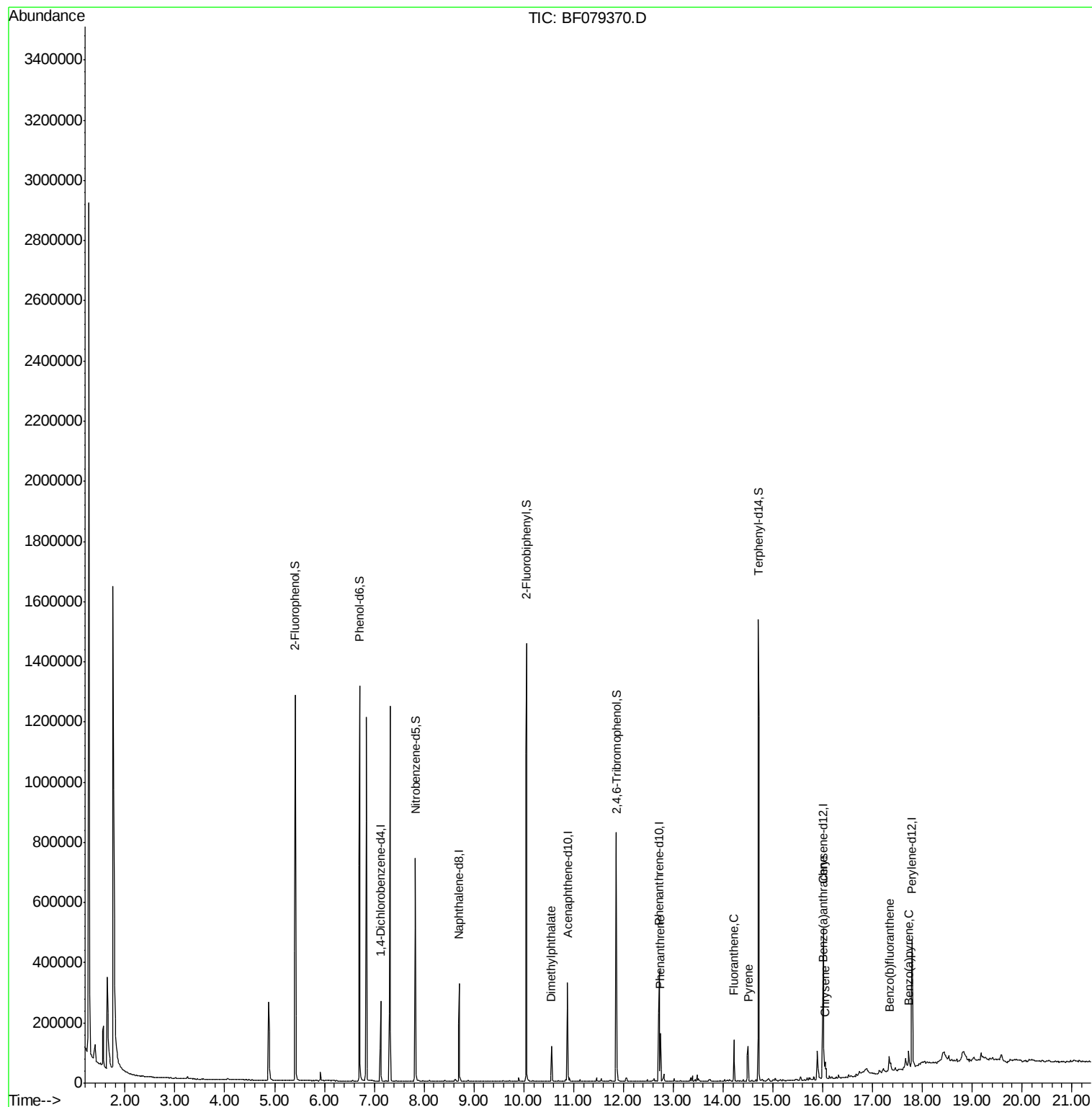
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	45285	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	182540	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	90389	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	173509	20.00	ng	0.00
75) Chrysene-d12	16.01	240	193027	20.00	ng	0.01
86) Perylene-d12	17.79	264	199298	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	403001m	153.19	ng	0.01
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						Qvalue
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	31665m	2.90	ng	
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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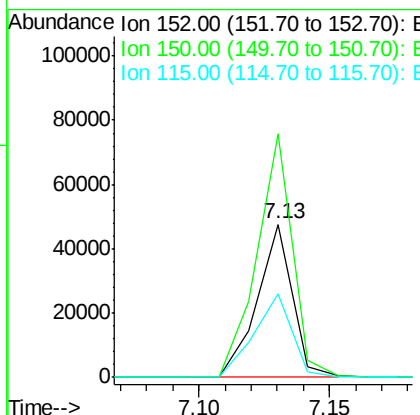
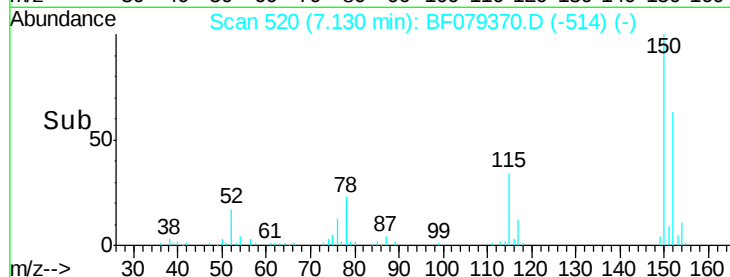
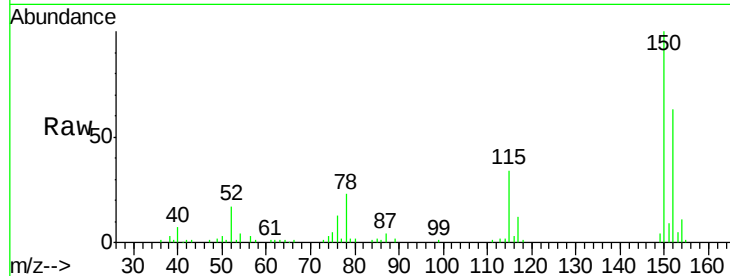




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

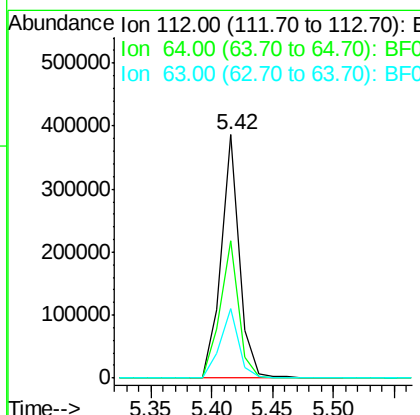
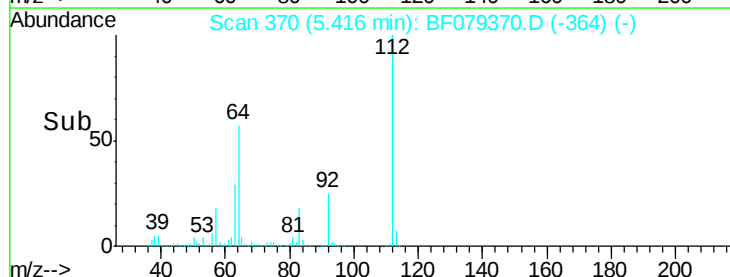
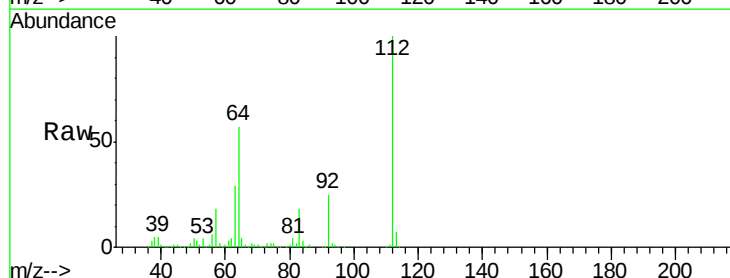
Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

Tot Ion:	152	Resp:	45285
Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.8	185.8
115	54.8	49.4	74.0



#5
 2-Fluorophenol
 Concen: 153.19 ng m
 RT: 5.42 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

Tgt Ion:	112	Resp:	403001
Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.2	66.2
63	28.6	22.7	34.1





#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

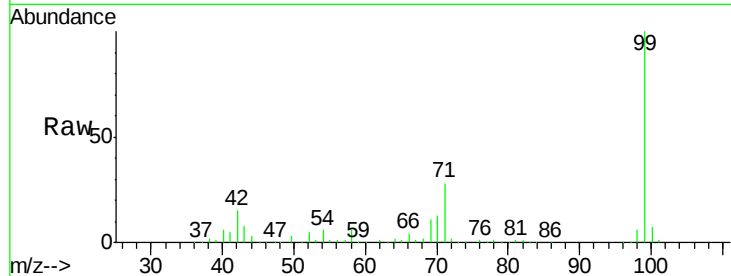
Tot Ion: 99 Resp: 550448

Ion Ratio Lower Upper

99 100

42 14.9 17.1 25.7#

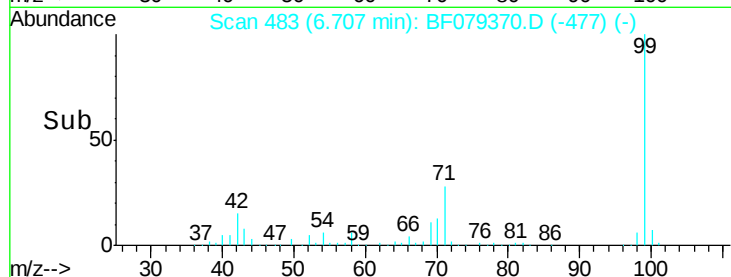
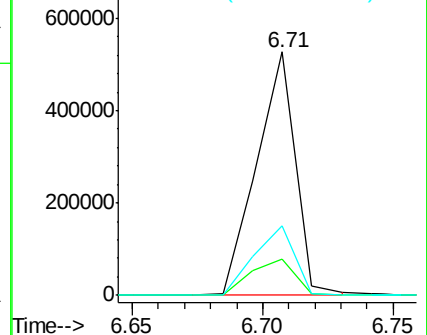
71 28.5 26.3 39.5



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



#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

Tgt Ion: 136 Resp: 182540

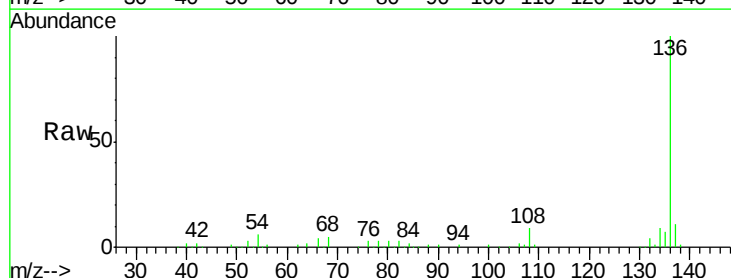
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 6.2 6.9 10.3#

68 4.9 4.9 7.3#

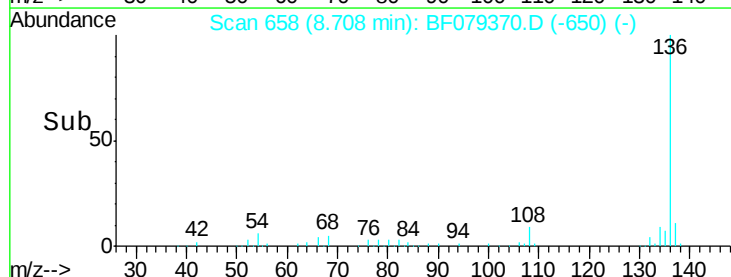
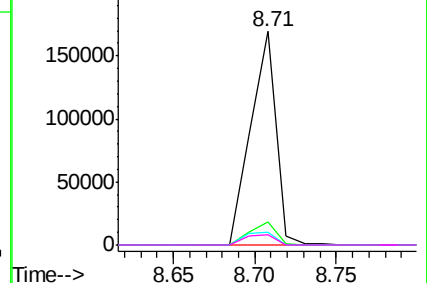


Abundance Ion 136.00 (135.70 to 136.70): E

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

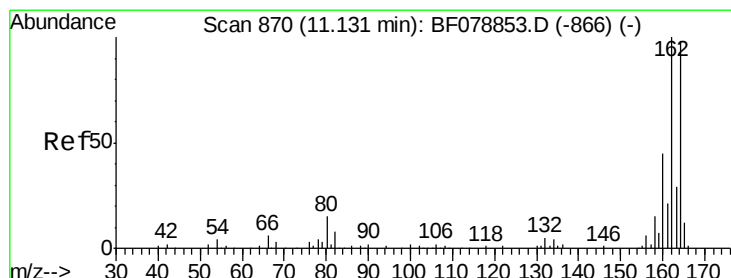
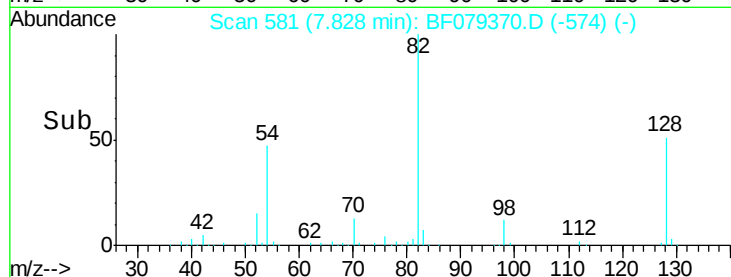
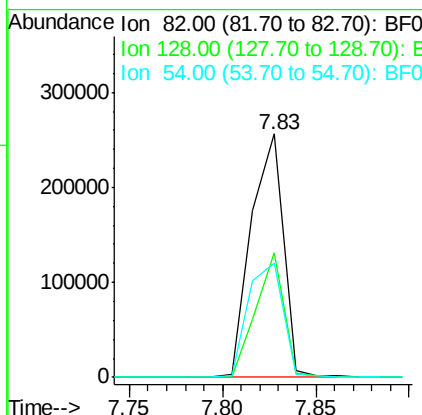
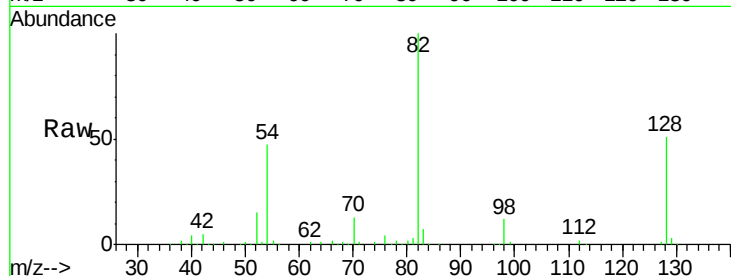




#23
 Nitrobenzene-d5
 Concen: 96.23 ng
 RT: 7.83 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

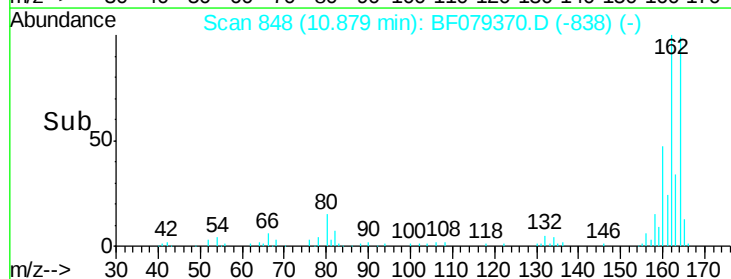
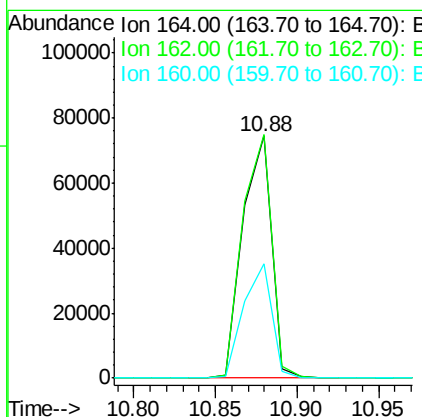
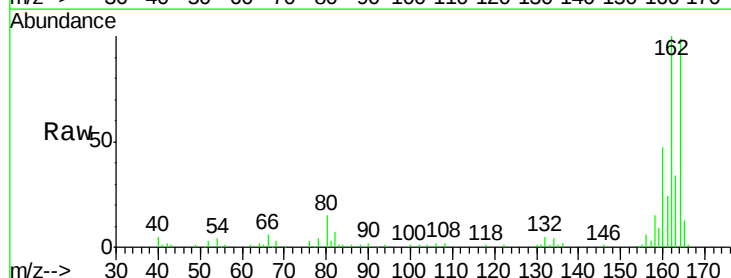
Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

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



#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

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

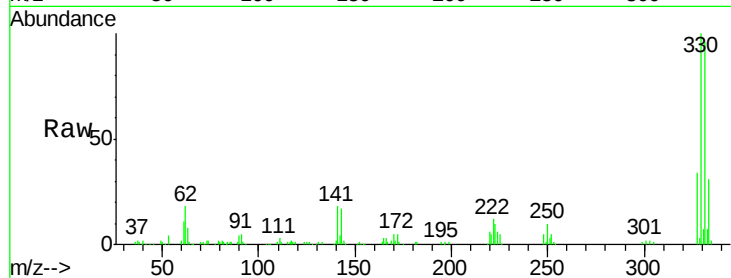




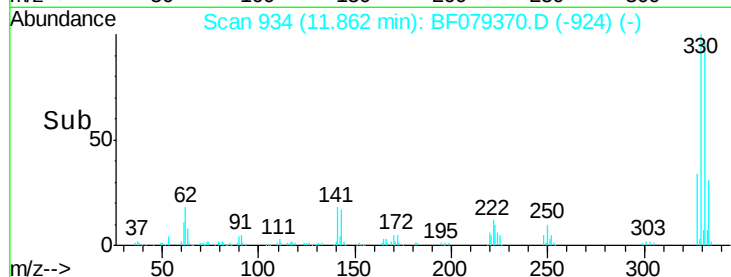
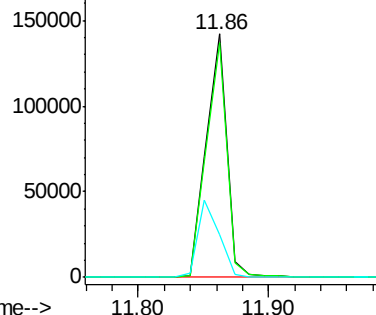
#41
 2,4,6-Tribromophenol
 Concen: 159.26 ng
 RT: 11.86 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	32.9	27.8	41.8

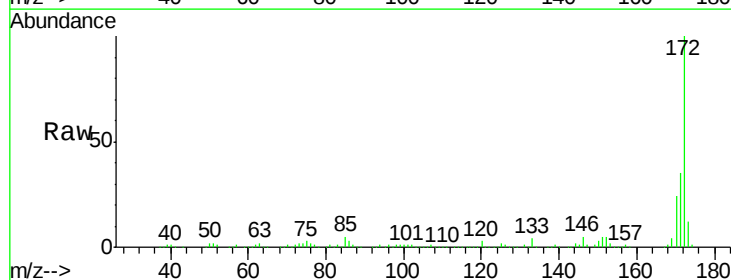


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

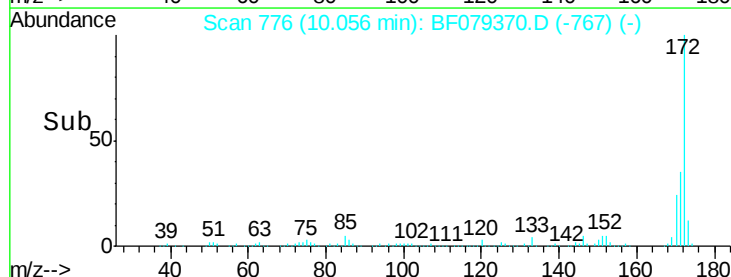
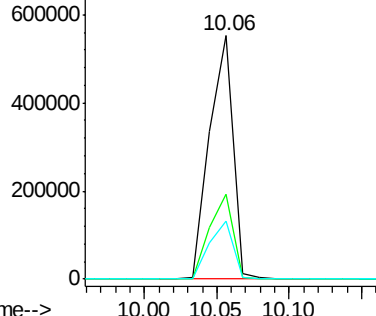


#44
 2-Fluorobiphenyl
 Concen: 96.20 ng
 RT: 10.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

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



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 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

Instrument :

BNA_F

ClientSampleId :

SB-35S

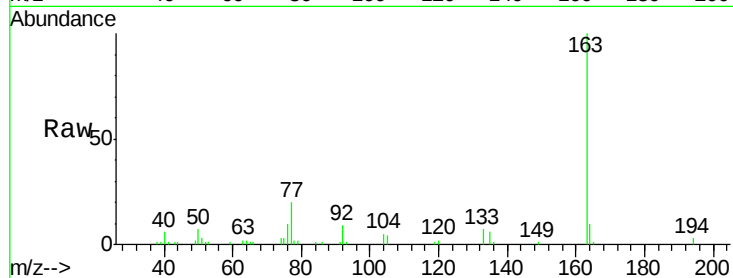
Tot Ion:163 Resp: 47980

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

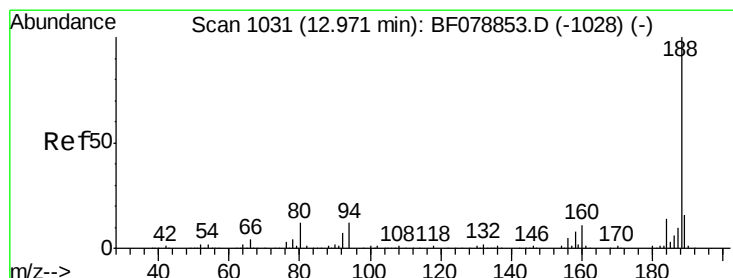
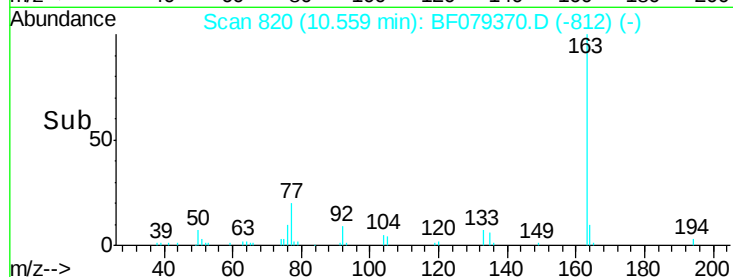
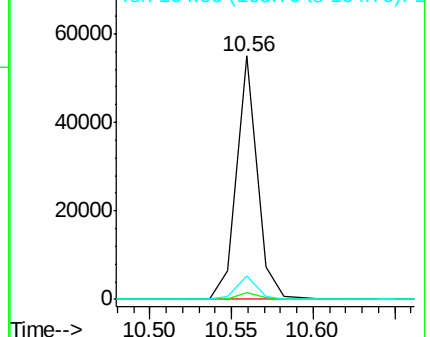
164 9.7 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#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

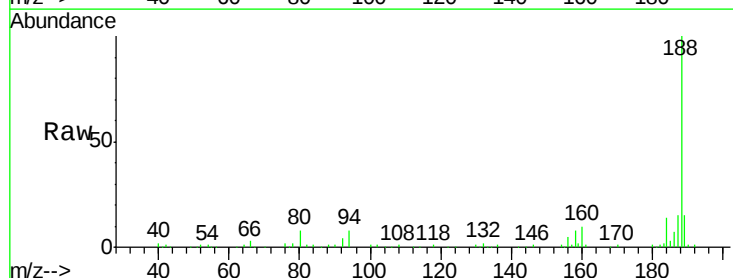
Tgt Ion:188 Resp: 173509

Ion Ratio Lower Upper

188 100

94 8.1 9.4 14.0#

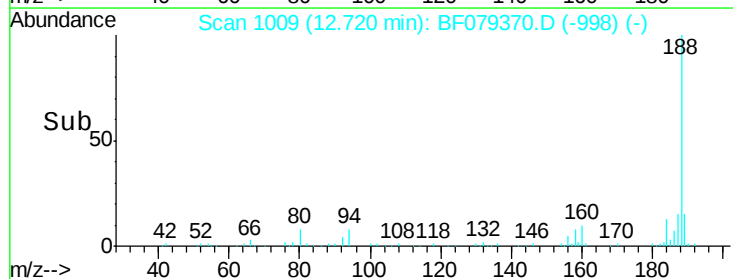
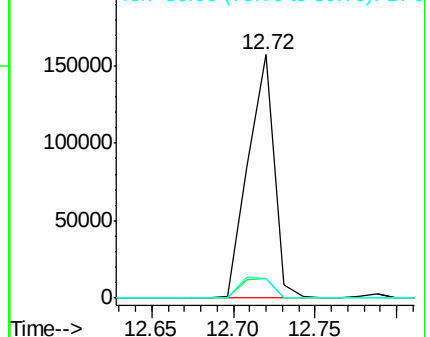
80 8.1 9.8 14.6#

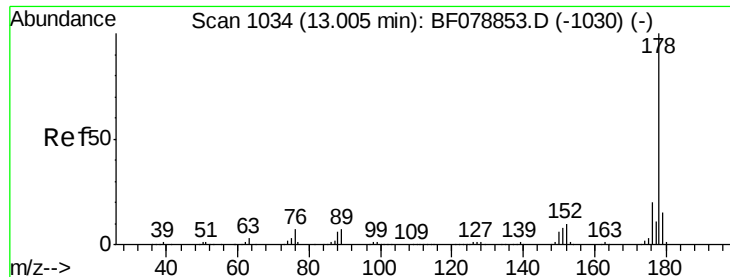


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

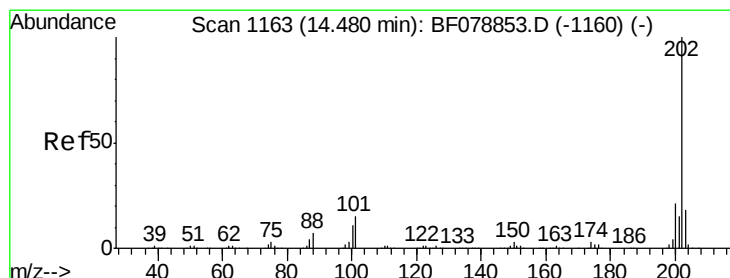
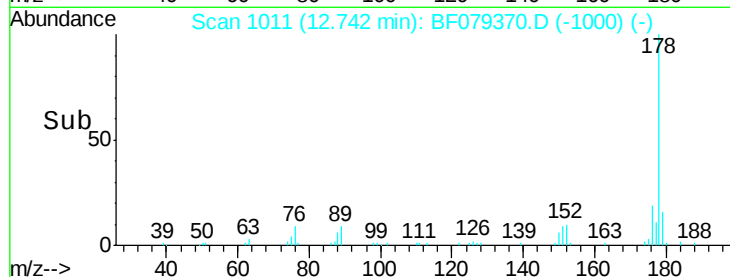
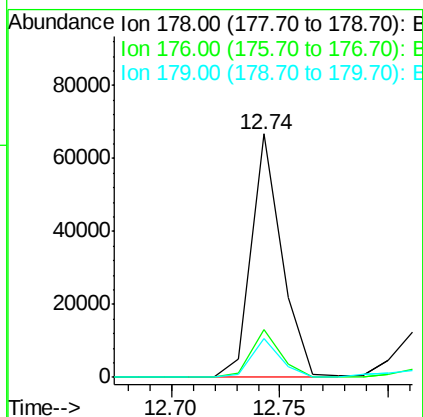
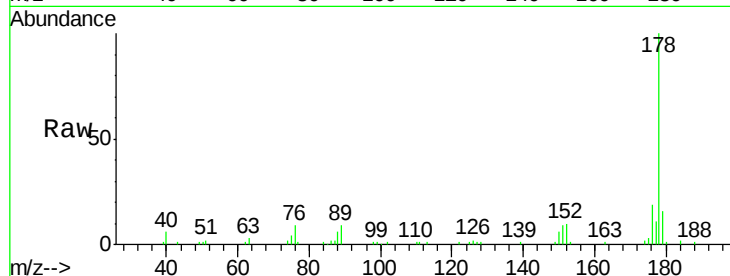




#70
Phenanthrene
Concen: 6.68 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

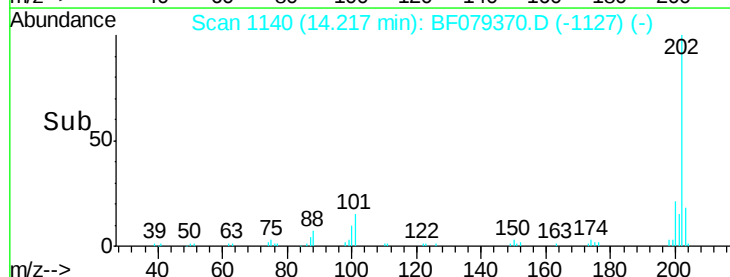
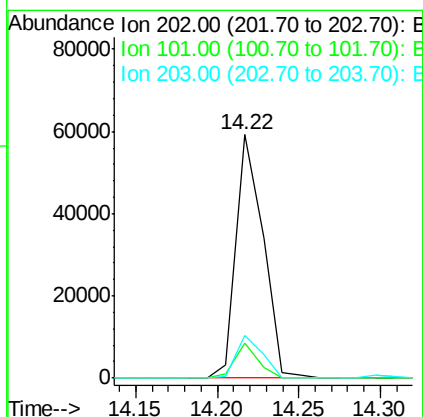
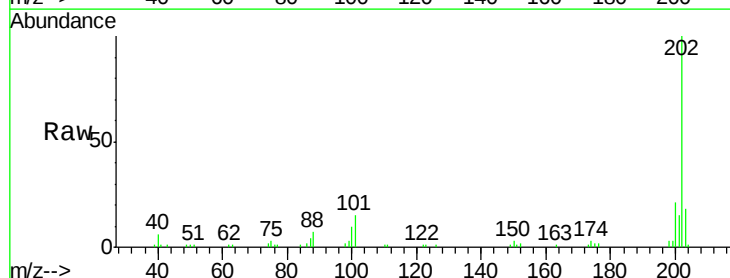
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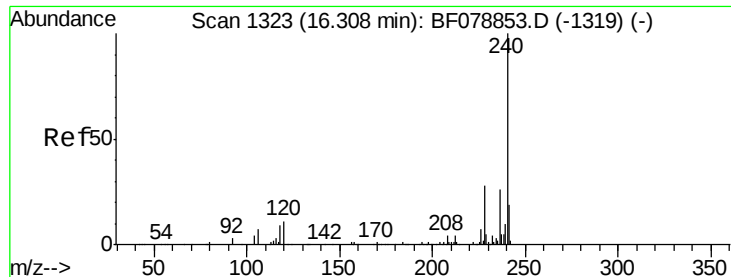
Tot Ion:178 Resp: 64795
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.7 12.2 18.4



#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

Tgt Ion:202 Resp: 67458
Ion Ratio Lower Upper
202 100
101 14.5 0.0 34.7
203 17.6 0.0 37.9

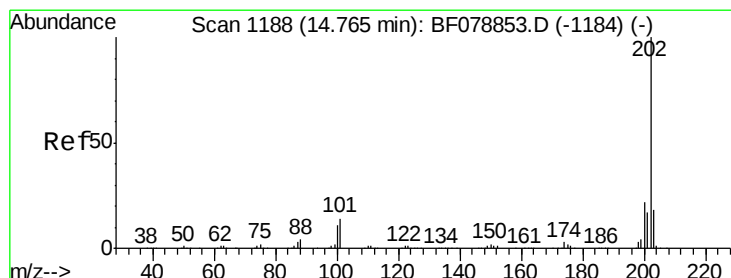
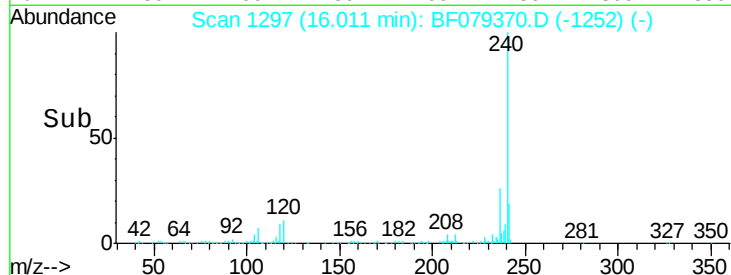
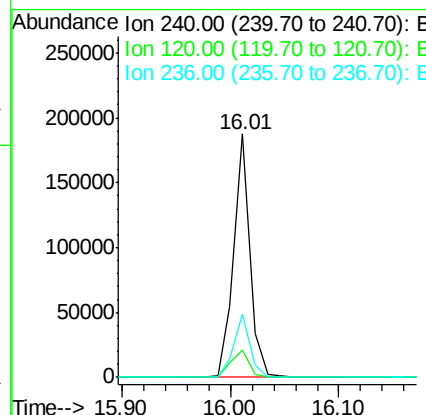
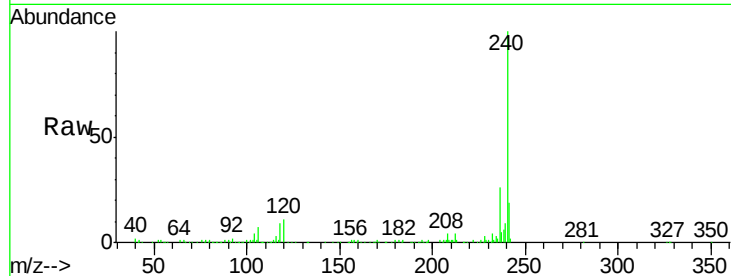




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.01 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

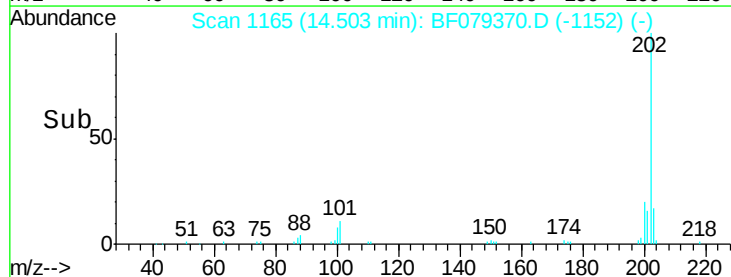
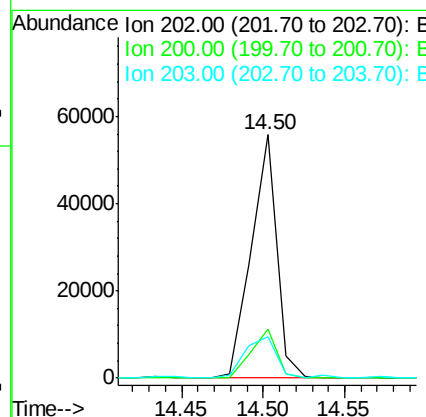
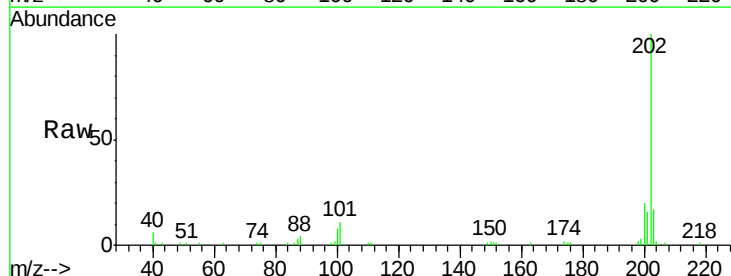
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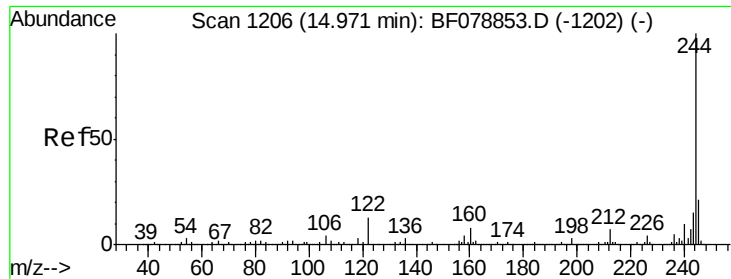
Tot Ion:240 Resp: 193027
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.6 12.8
 236 25.8 21.0 31.6



#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

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

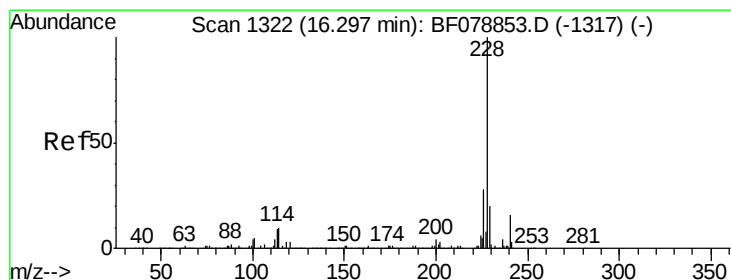
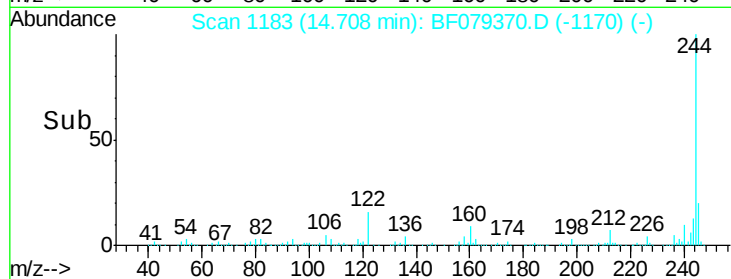
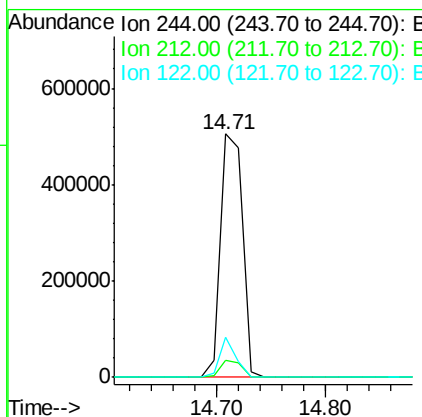
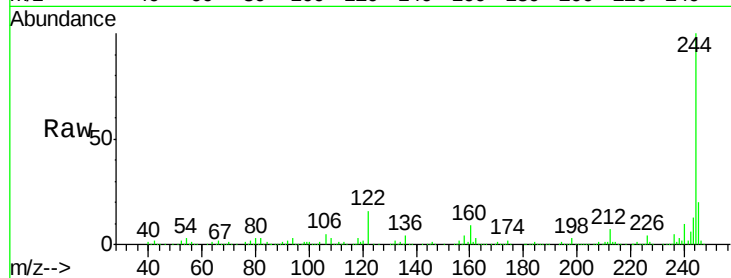




#78
 Terphenyl-d14
 Concen: 87.87 ng
 RT: 14.71 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF079370.D
 Acq: 20 May 2015 6:52

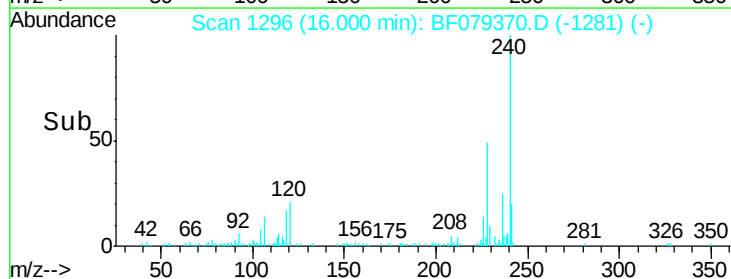
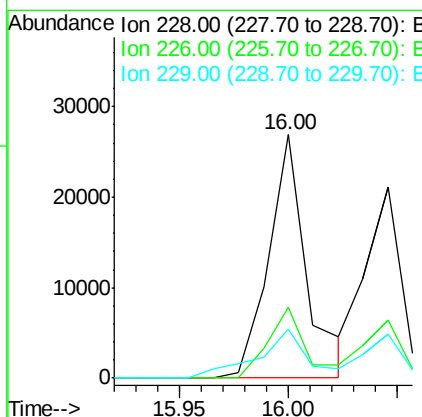
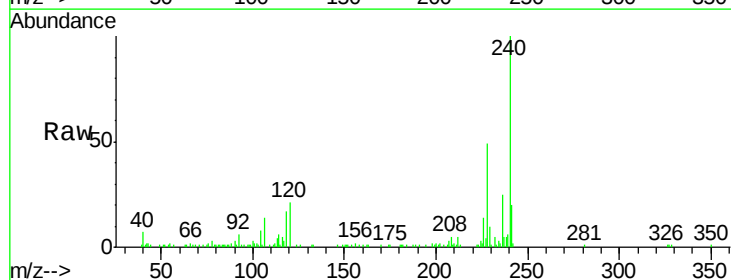
Instrument :
 BNA_F
 ClientSampleId :
 SB-35S

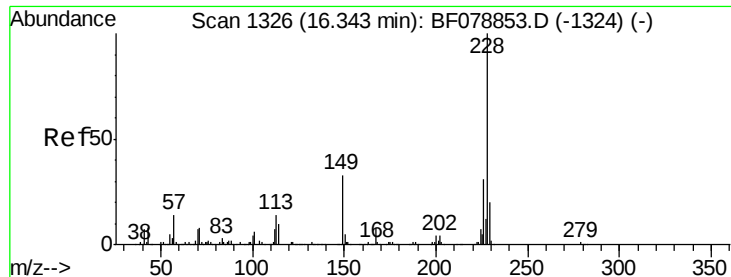
Tot Ion:244 Resp: 708433
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 16.2 10.5 15.7#



#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

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

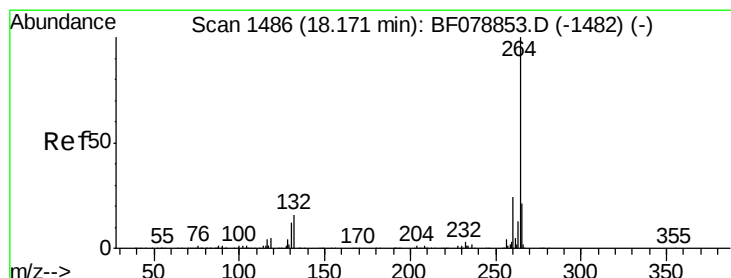
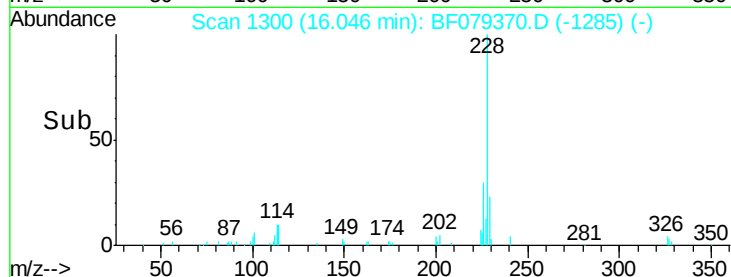
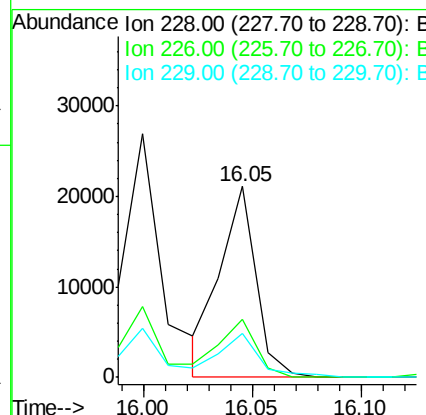
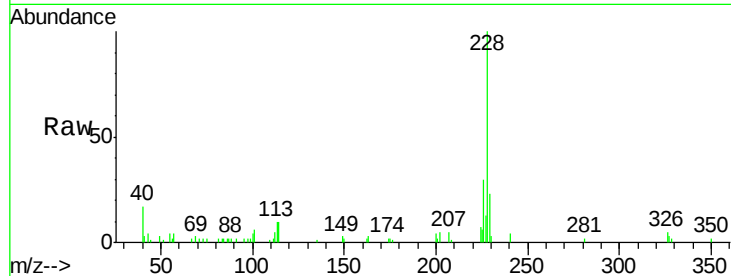




#82
Chrysene
Concen: 2.37 ng
RT: 16.05 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

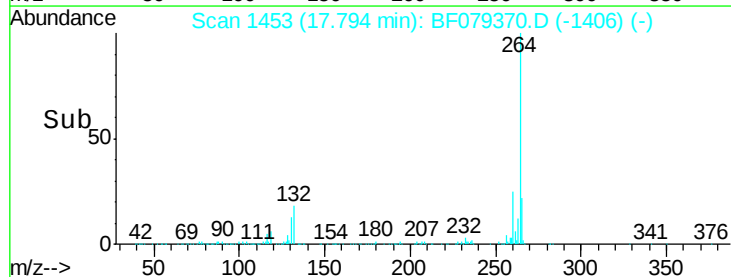
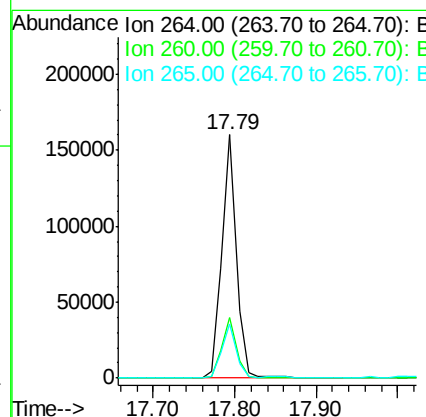
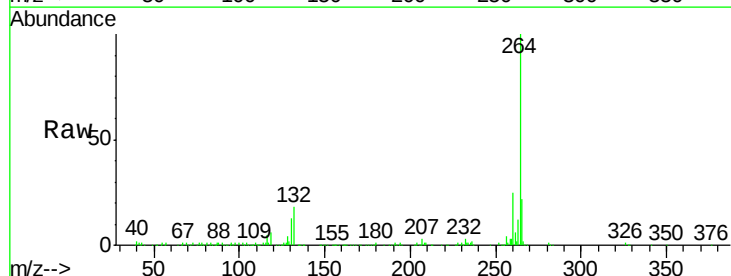
Instrument :
BNA_F
ClientSampled :
SB-35S

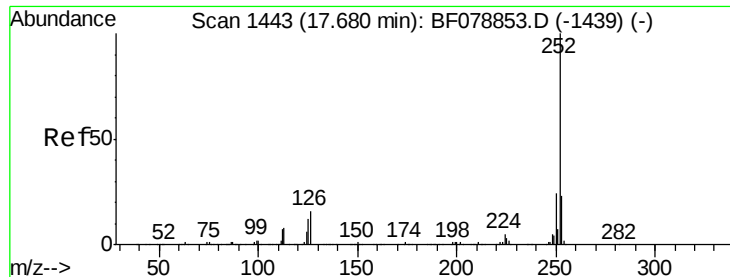
Tot Ion:228 Resp: 24145
Ion Ratio Lower Upper
228 100
226 30.3 24.8 37.2
229 22.9 16.1 24.1



#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

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

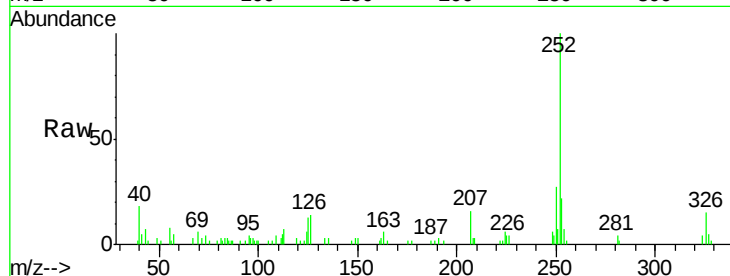




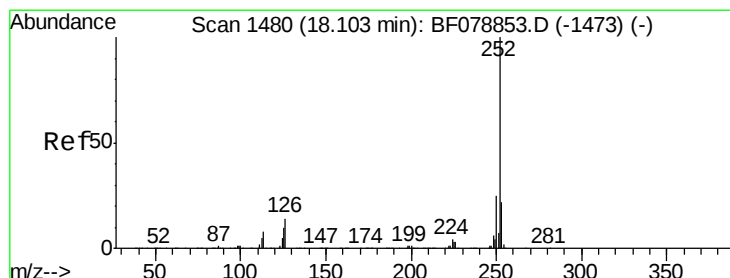
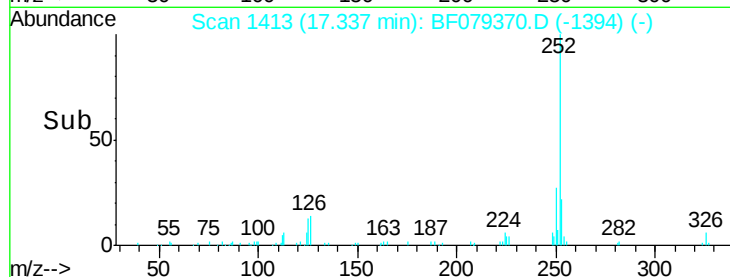
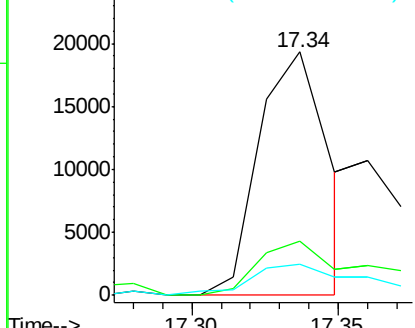
#87
Benzo(b)fluoranthene
Concen: 2.90 ng/mL
RT: 17.34 min Scan# 1413
Delta R.T. 0.03 min
Lab File: BF079370.D
Acq: 20 May 2015 6:52

Instrument :
BNA_F
ClientSampleId :
SB-35S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.7	9.4	14.2

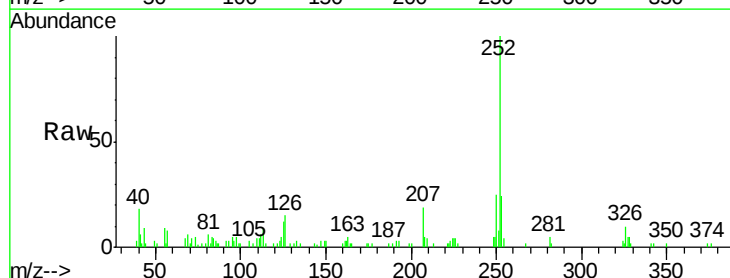


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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

Tgt 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

