

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051915\
 Data File : BF079367.D
 Acq On : 20 May 2015 5:26
 Operator : TP/IZ
 Sample : G2289-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-34D

Quant Time: May 20 06:49:43 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 05:08:22 2015
 Response via : Initial Calibration

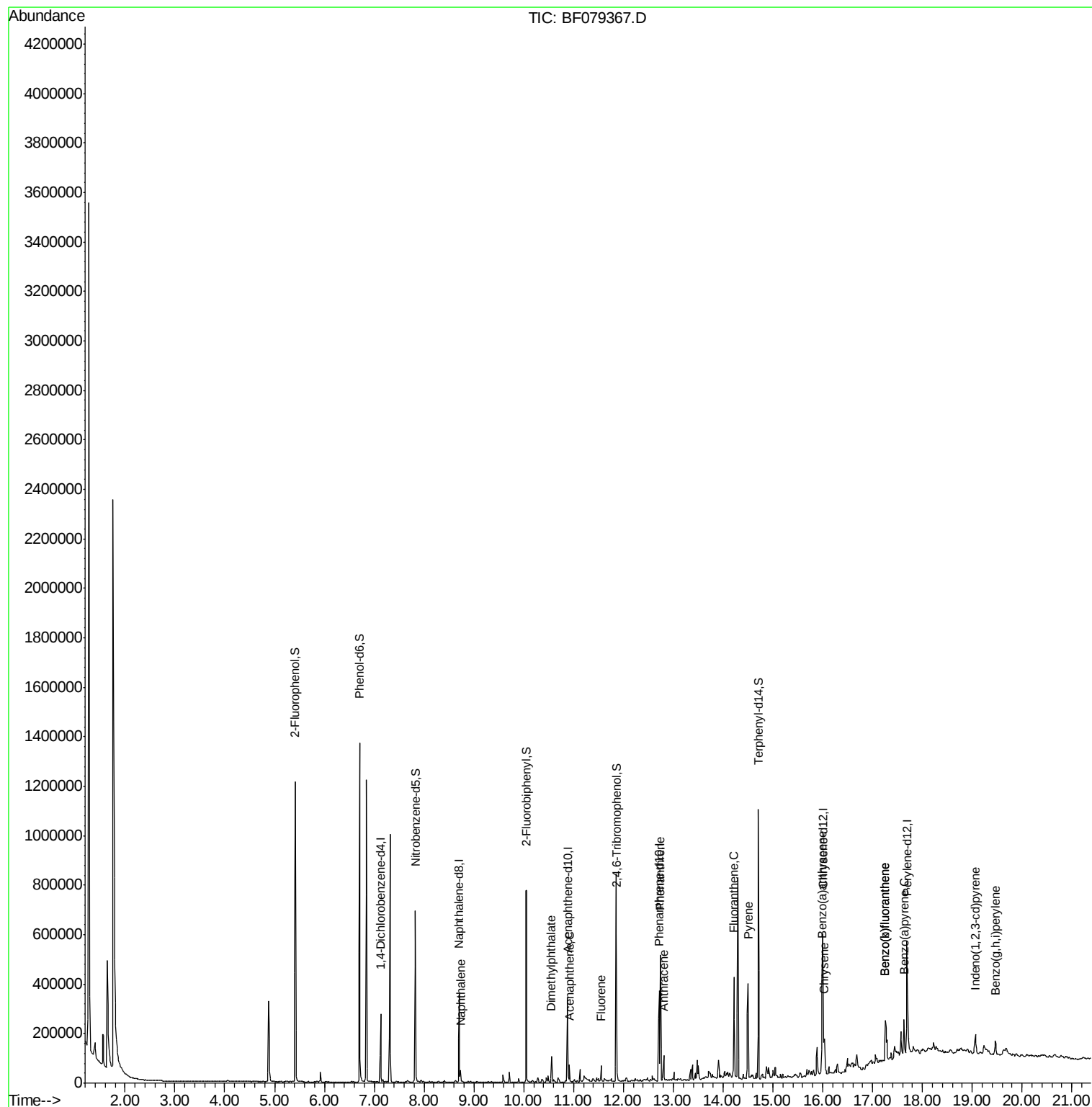
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	47043	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	191810	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	91221	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	175741	20.00	ng	0.00
75) Chrysene-d12	16.00	240	196910	20.00	ng	-0.02
86) Perylene-d12	17.69	264	207419	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	378475	138.49	ng	0.00
7) Phenol-d6	6.71	99	521253	144.30	ng	0.00
23) Nitrobenzene-d5	7.83	82	282766	84.73	ng	0.00
41) 2,4,6-Tribromophenol	11.86	330	144191	146.11	ng	0.00
44) 2-Fluorobiphenyl	10.06	172	379361	57.94	ng	0.00
78) Terphenyl-d14	14.71	244	401434	48.81	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.73	128	20277	2.22	ng	99
49) Dimethylphthalate	10.56	163	41439	6.19	ng	99
51) Acenaphthene	10.91	154	15302	2.76	ng	98
57) Fluorene	11.55	166	16934	2.58	ng	99
70) Phenanthrene	12.74	178	202870	20.63	ng	100
71) Anthracene	12.81	178	47641	4.94	ng	98
74) Fluoranthene	14.22	202	204877	20.00	ng	99
77) Pyrene	14.50	202	188474	16.61	ng	98
80) Benzo(a)anthracene	15.99	228	96944	8.99	ng	97
82) Chrysene	16.03	228	69554	6.71	ng	97
85) Indeno(1,2,3-cd)pyrene	19.06	276	49351	3.73	ng	95
87) Benzo(b)fluoranthene	17.26	252	132431	11.66	ng	99
88) Benzo(k)fluoranthene	17.26	252	132431	12.05	ng	# 97
89) Benzo(a)pyrene	17.63	252	77575	7.42	ng	98
91) Benzo(g,h,i)perylene	19.46	276	46538	4.18	ng	# 91

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

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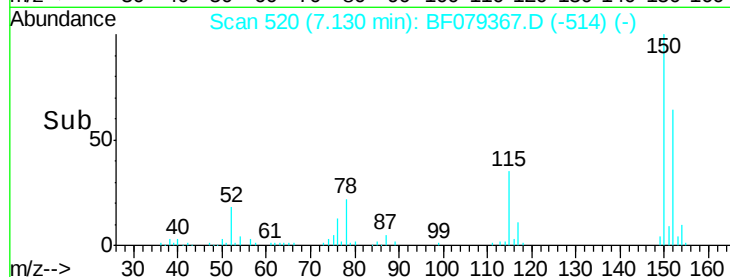
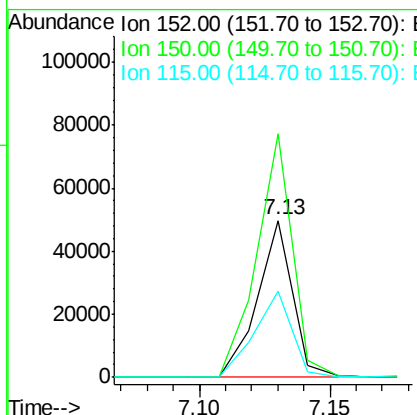
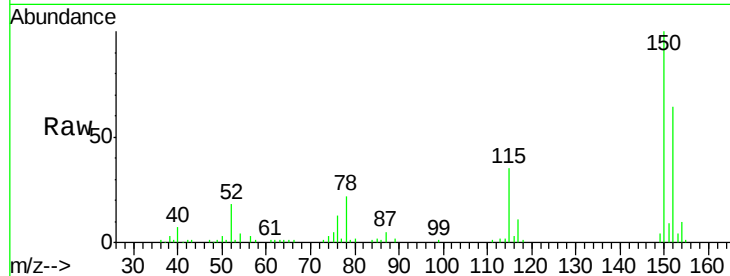




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

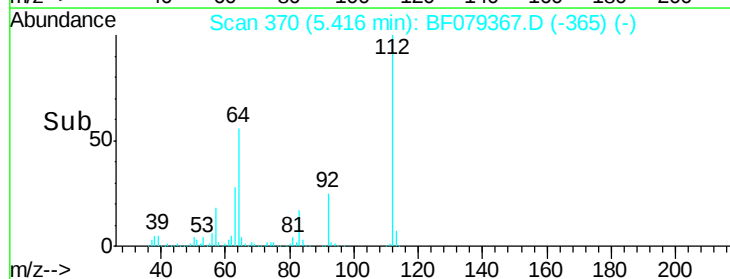
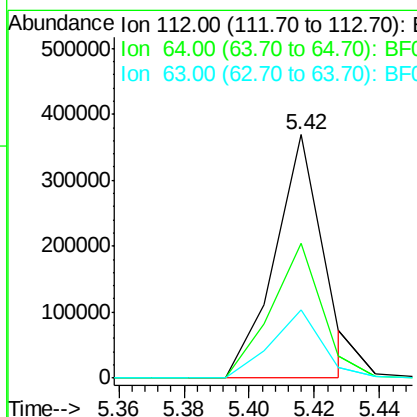
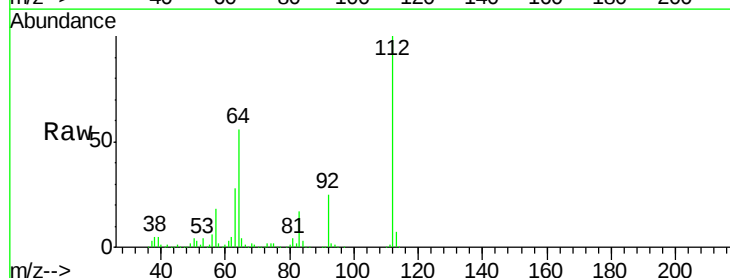
Instrument :
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 ClientSampleId :
 SB-34D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.8	185.8
115	55.1	49.4	74.0



#5
 2-Fluorophenol
 Concen: 138.49 ng
 RT: 5.42 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.2	66.2
63	27.9	22.7	34.1





#7

Phenol-d6

Concen: 144.30 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

Instrument :

BNA_F

ClientSampleId :

SB-34D

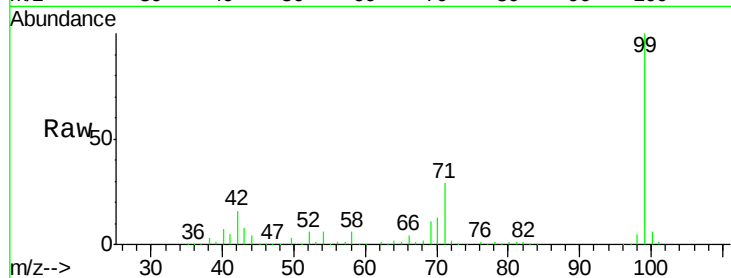
Tgt Ion: 99 Resp: 521253

Ion Ratio Lower Upper

99 100

42 15.9 17.1 25.7#

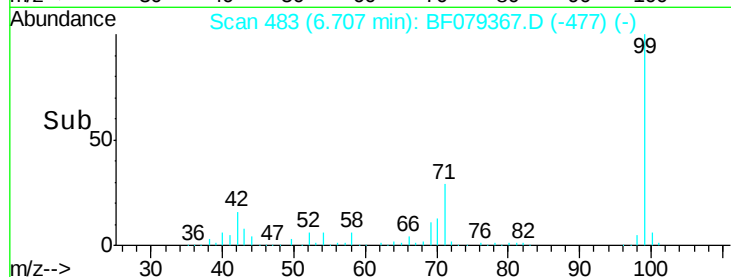
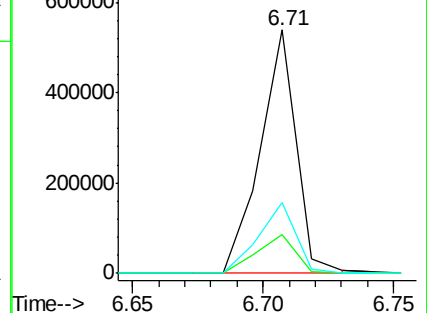
71 29.3 26.3 39.5



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: BF079367.D

Acq: 20 May 2015 5:26

Tgt Ion: 136 Resp: 191810

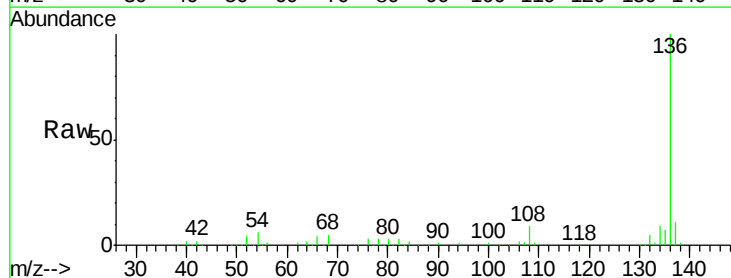
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.1 6.9 10.3#

68 4.6 4.9 7.3#

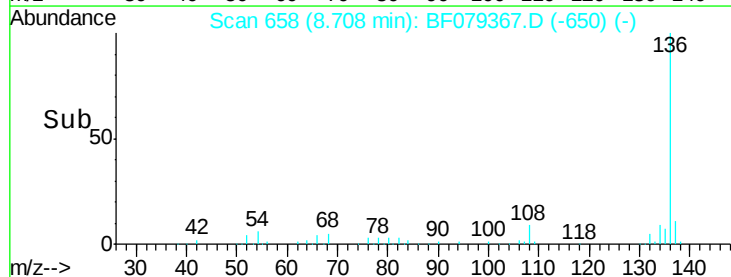
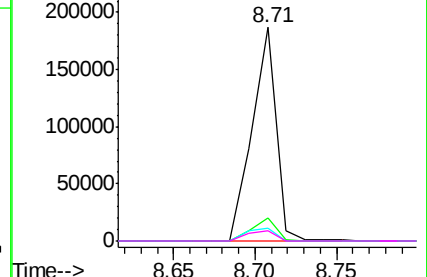


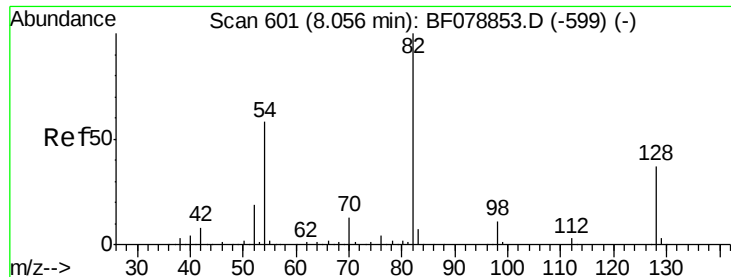
Abundance Ion 136.00 (135.70 to 136.70): E

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

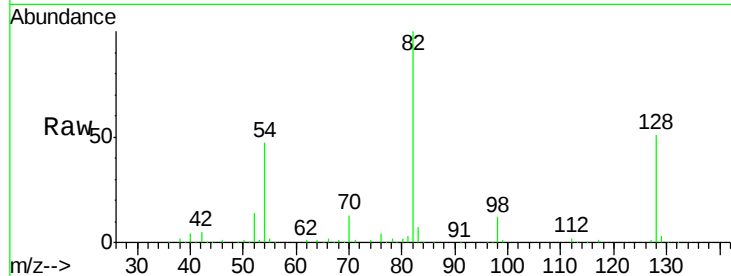




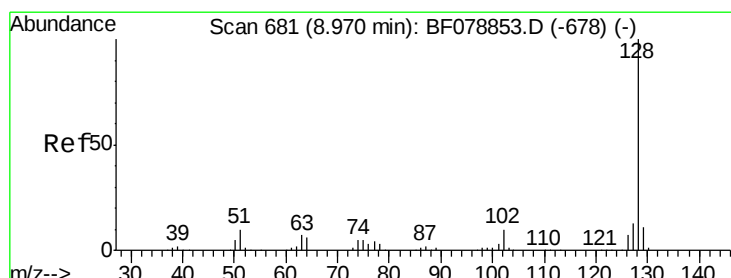
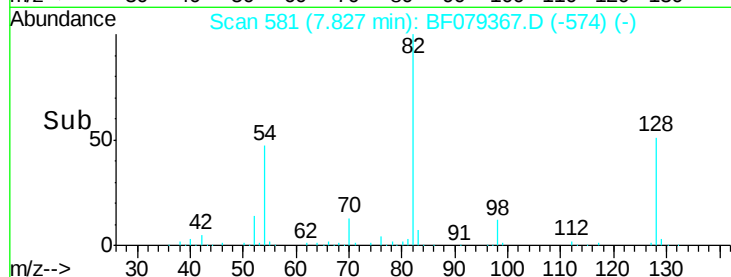
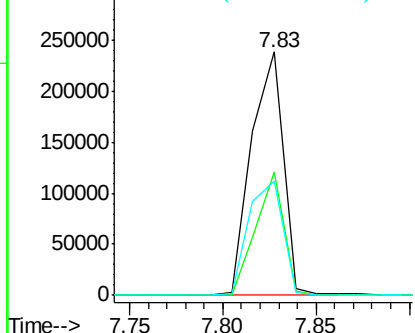
#23
 Nitrobenzene-d5
 Concen: 84.73 ng
 RT: 7.83 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-34D

Tgt Ion: 82 Resp: 282766
 Ion Ratio Lower Upper
 82 100
 128 50.9 29.7 44.5#
 54 46.8 46.2 69.4

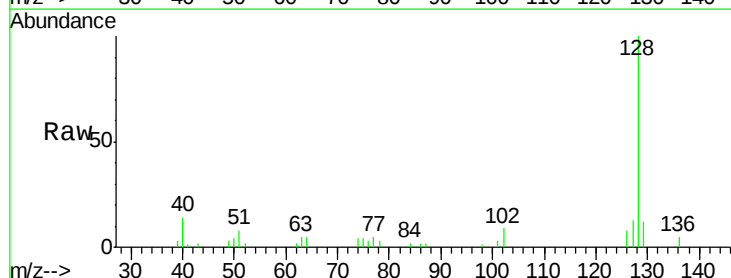


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

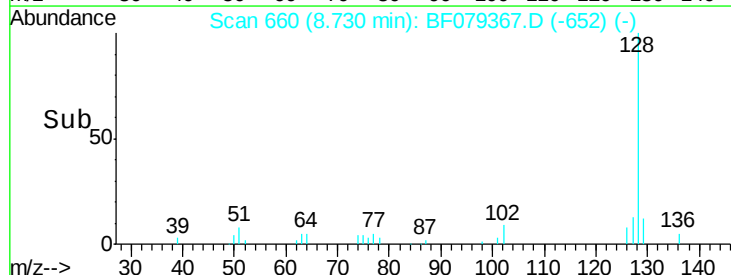
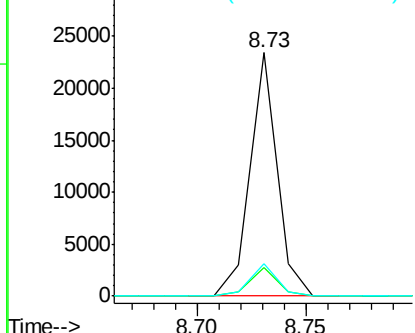


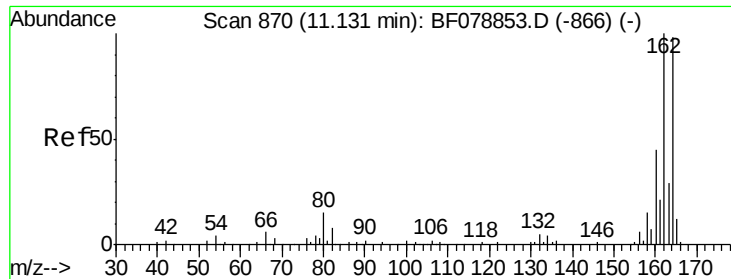
#31
 Naphthalene
 Concen: 2.22 ng
 RT: 8.73 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

Tgt Ion: 128 Resp: 20277
 Ion Ratio Lower Upper
 128 100
 129 11.8 9.2 13.8
 127 13.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

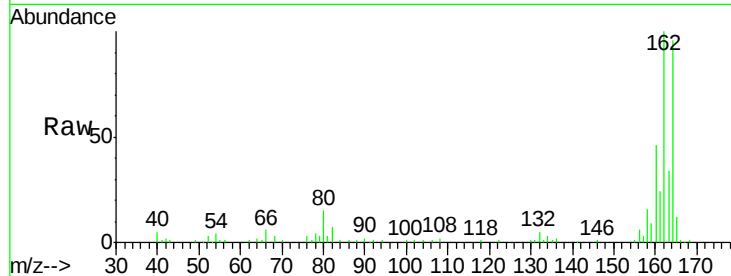




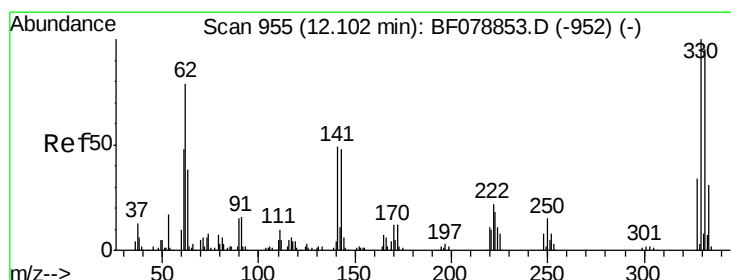
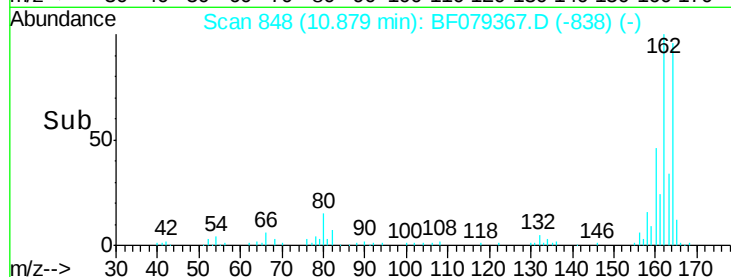
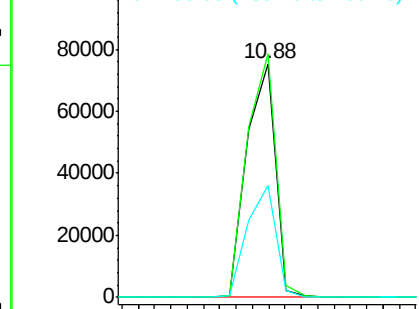
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Instrument :
BNA_F
ClientSampleId :
SB-34D

Tgt Ion:164 Resp: 91221
Ion Ratio Lower Upper
164 100
162 104.0 81.4 122.0
160 47.5 36.6 54.8

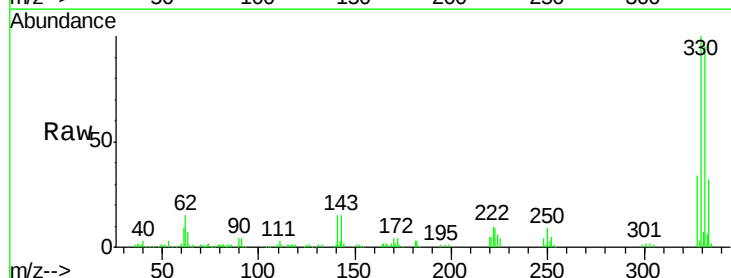


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

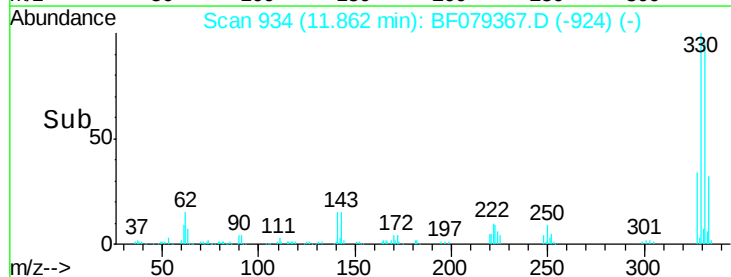
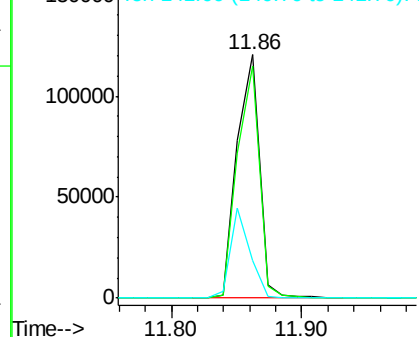


#41
2,4,6-Tribromophenol
Concen: 146.11 ng
RT: 11.86 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion:330 Resp: 144191
Ion Ratio Lower Upper
330 100
332 94.2 76.9 115.3
141 32.5 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

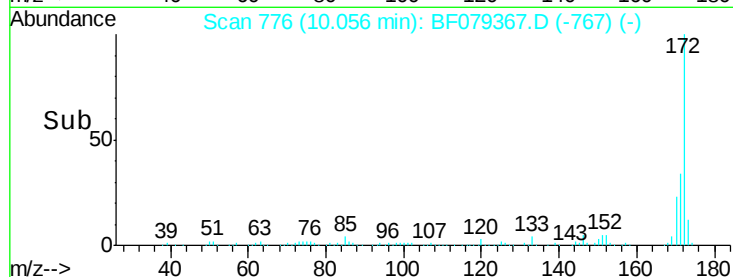
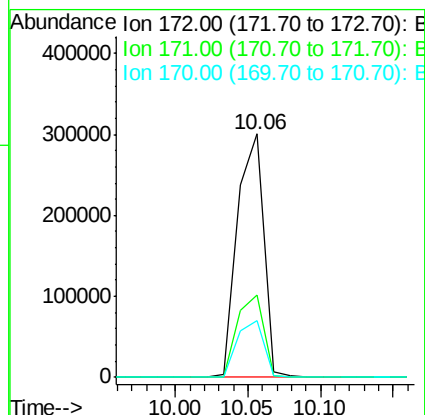
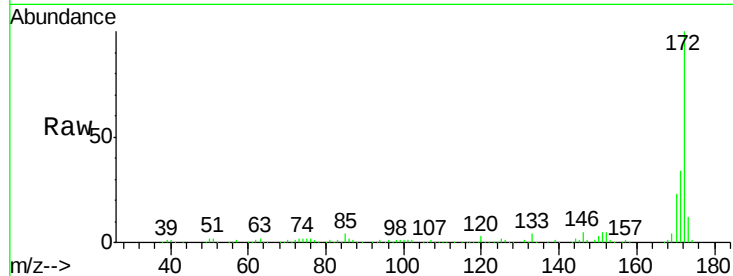




#44
2-Fluorobiphenyl
Concen: 57.94 ng
RT: 10.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

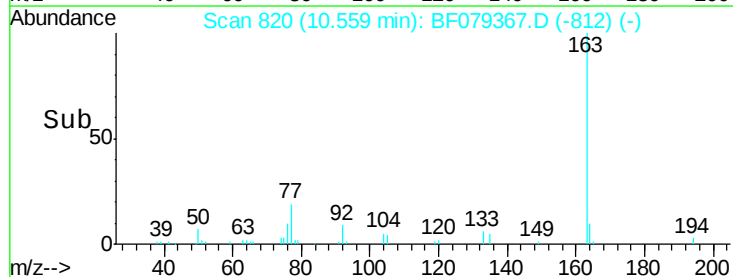
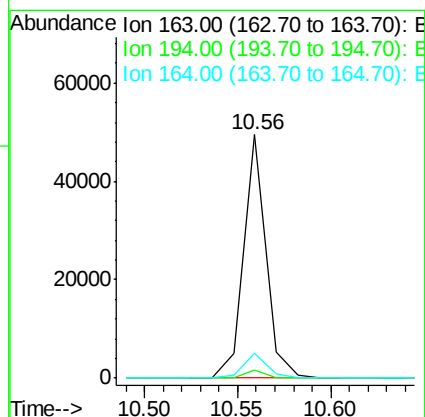
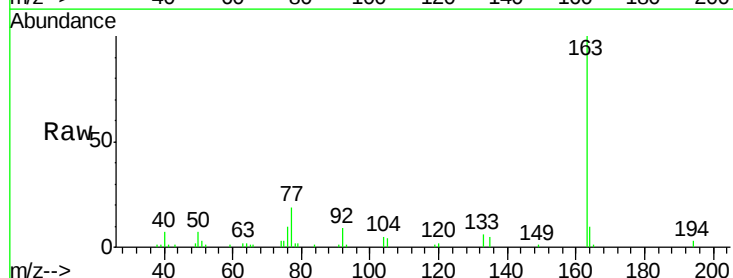
Instrument :
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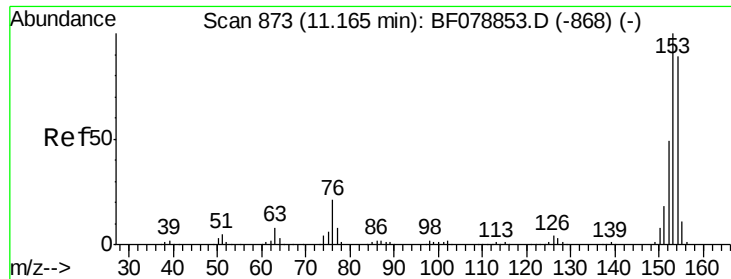
Tgt Ion:172 Resp: 379361
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 23.4 19.4 29.2



#49
Dimethylphthalate
Concen: 6.19 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion:163 Resp: 41439
Ion Ratio Lower Upper
163 100
194 3.3 2.4 3.6
164 10.4 8.6 12.8





#51

Acenaphthene

Concen: 2.76 ng

RT: 10.91 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

Instrument :

BNA_F

ClientSampled :

SB-34D

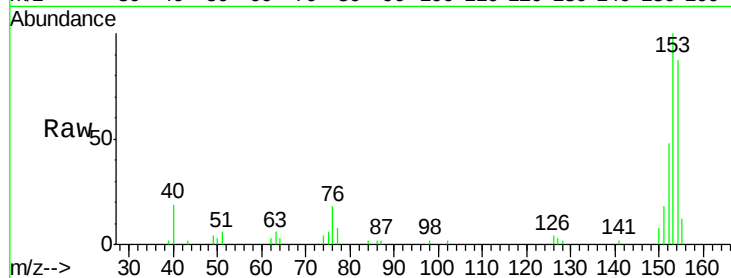
Tgt Ion:154 Resp: 15302

Ion Ratio Lower Upper

154 100

153 115.3 90.2 135.2

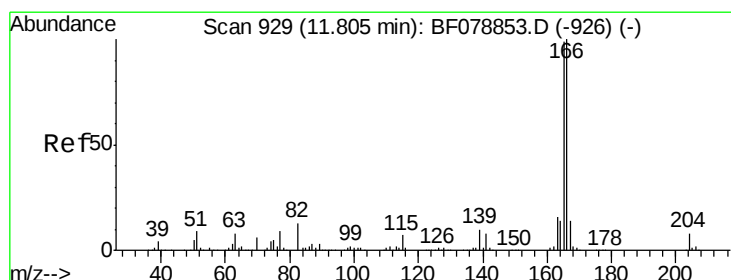
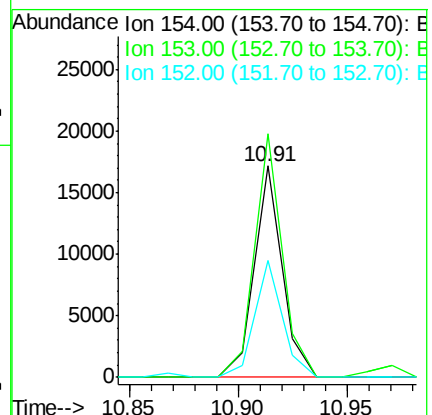
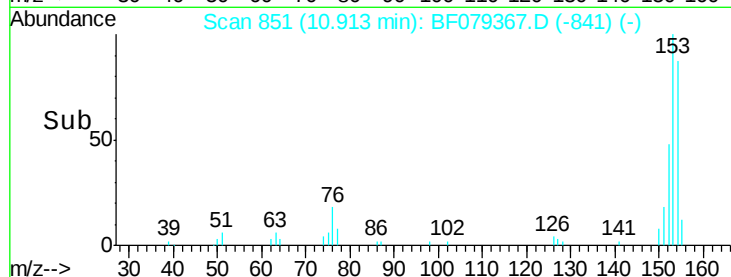
152 55.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.58 ng

RT: 11.55 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

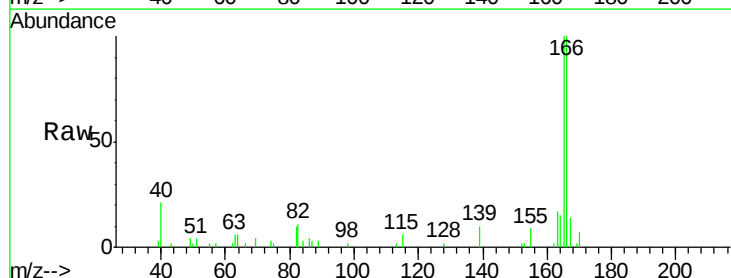
Tgt Ion:166 Resp: 16934

Ion Ratio Lower Upper

166 100

165 100.3 79.5 119.3

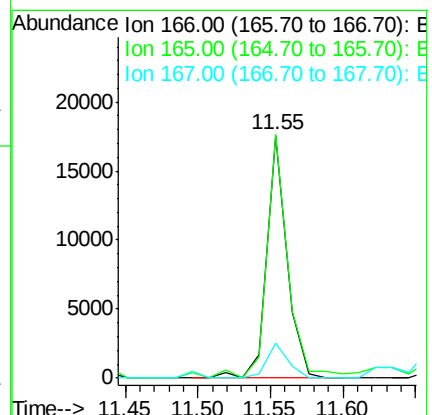
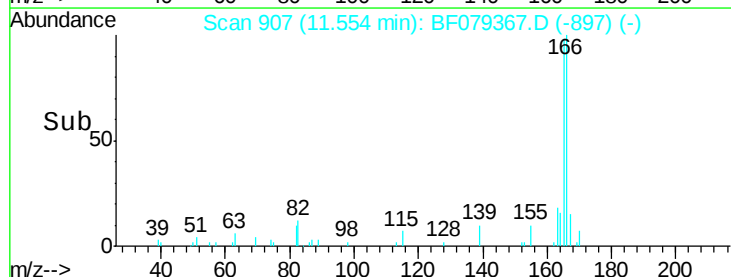
167 14.5 11.0 16.6

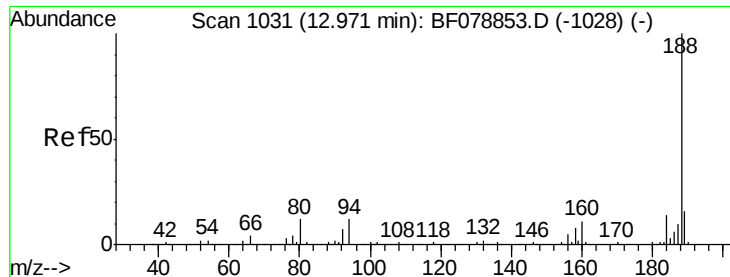


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

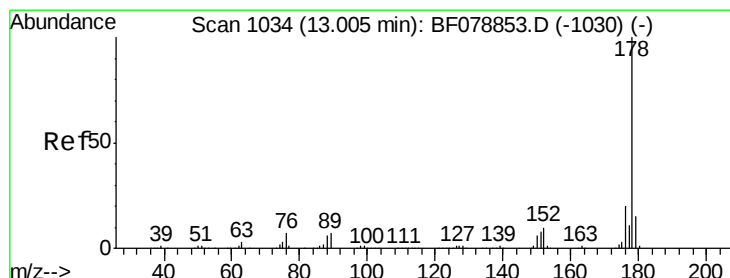
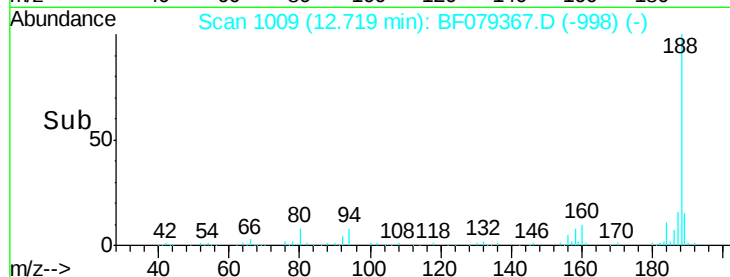
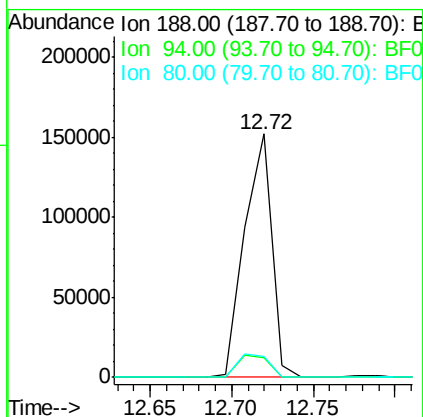
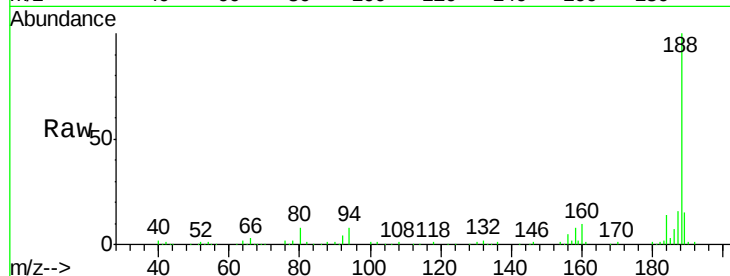




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

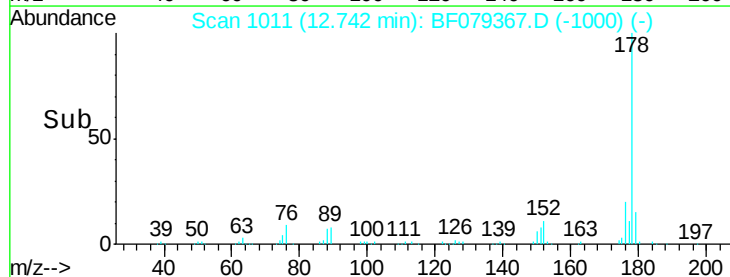
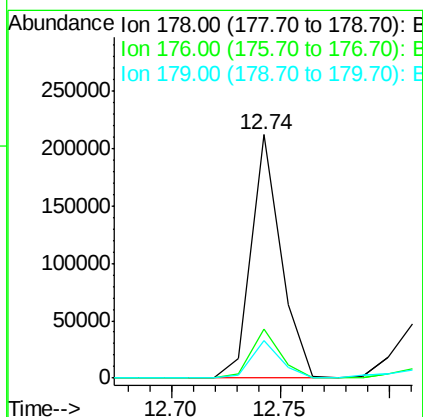
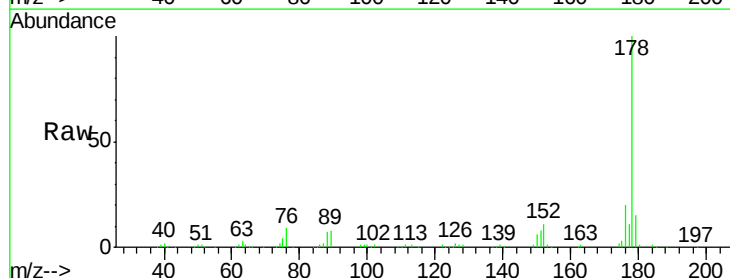
Instrument :
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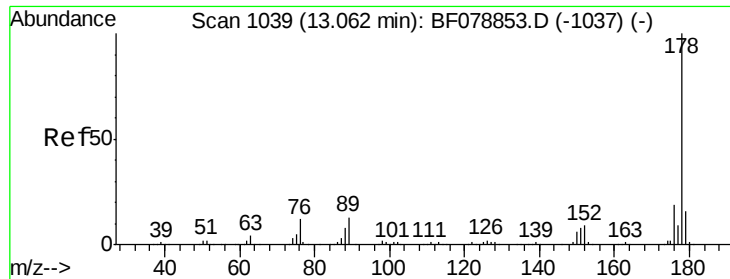
Tgt Ion:188 Resp: 175741
Ion Ratio Lower Upper
188 100
94 8.0 9.4 14.0#
80 8.4 9.8 14.6#



#70
Phenanthrene
Concen: 20.63 ng
RT: 12.74 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion:178 Resp: 202870
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.2 12.2 18.4





#71

Anthracene

Concen: 4.94 ng

RT: 12.81 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

Instrument :

BNA_F

ClientSampleId :

SB-34D

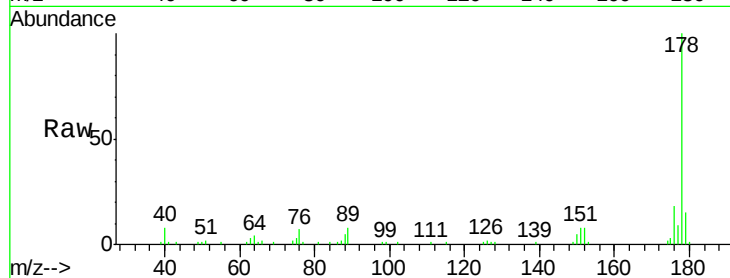
Tgt Ion:178 Resp: 47641

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

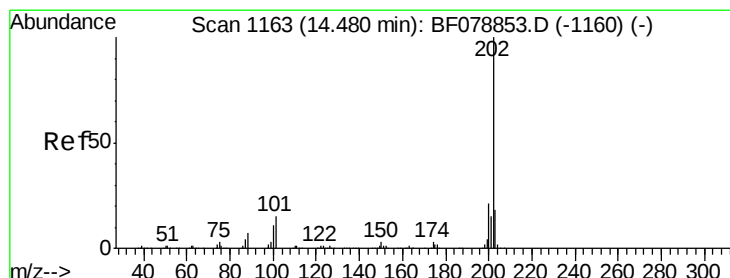
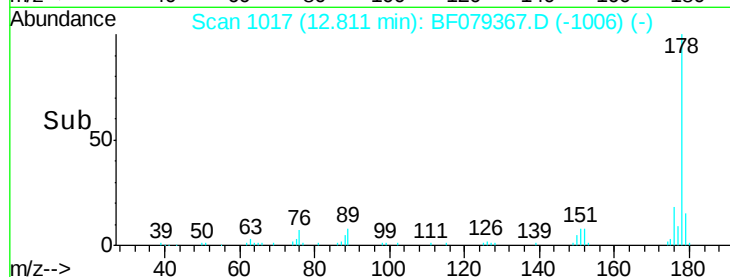
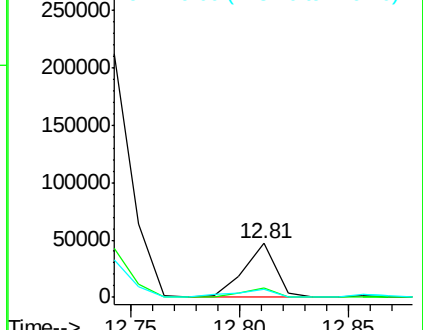
179 15.0 12.6 19.0



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: 20.00 ng

RT: 14.22 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

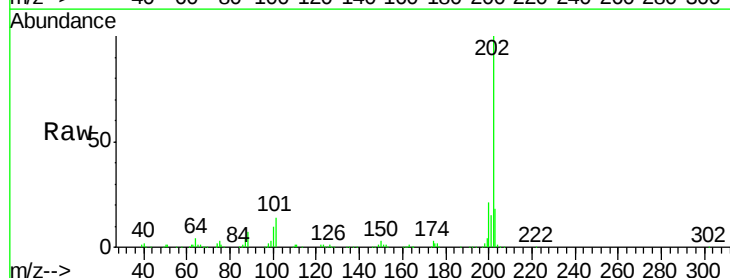
Tgt Ion:202 Resp: 204877

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.7

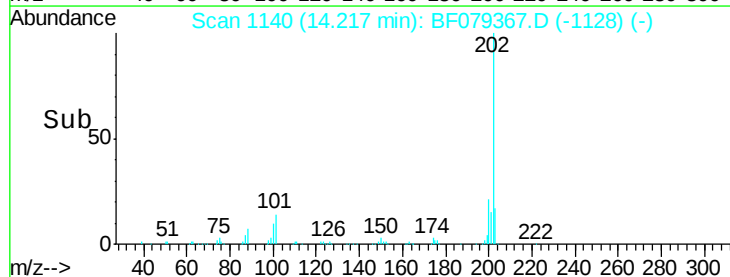
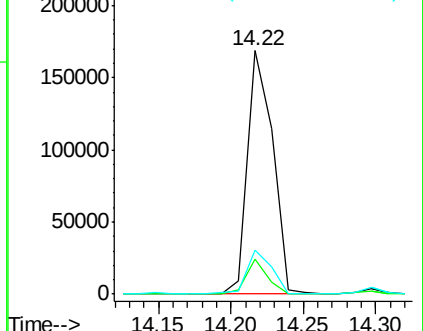
203 17.9 0.0 37.9

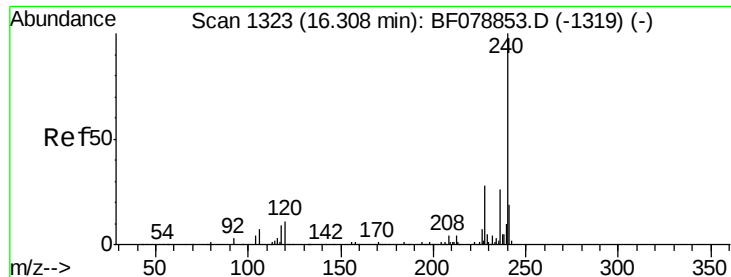


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

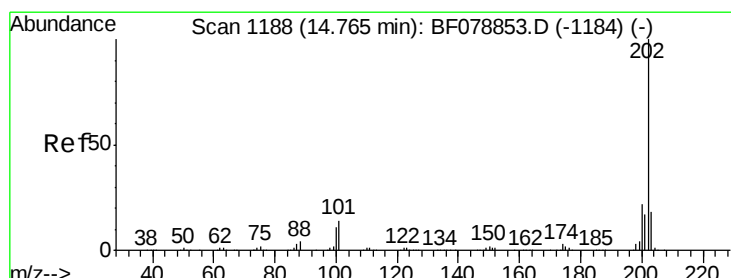
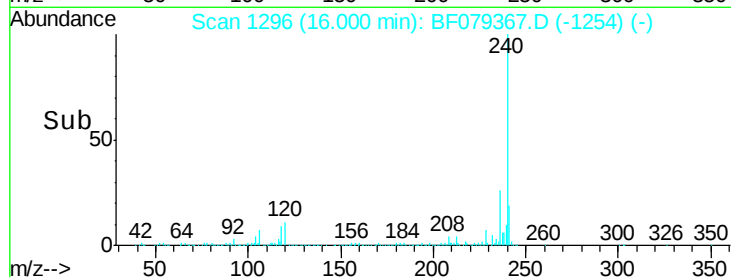
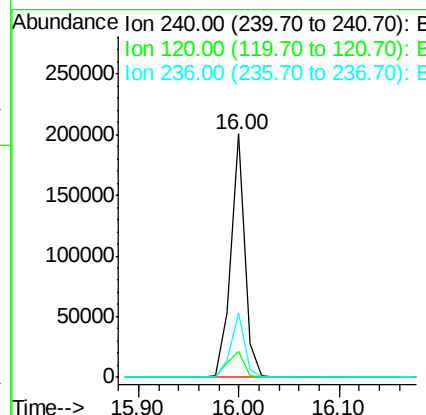
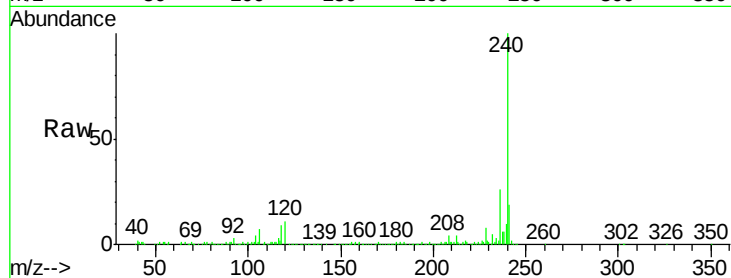




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.00 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

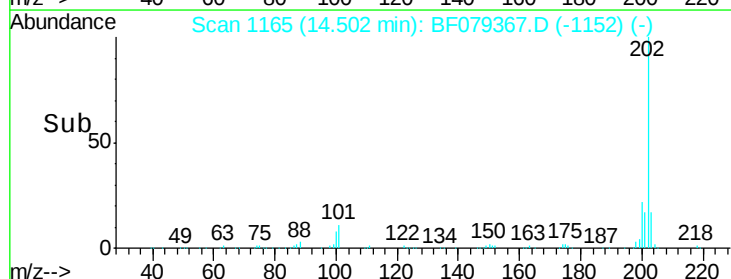
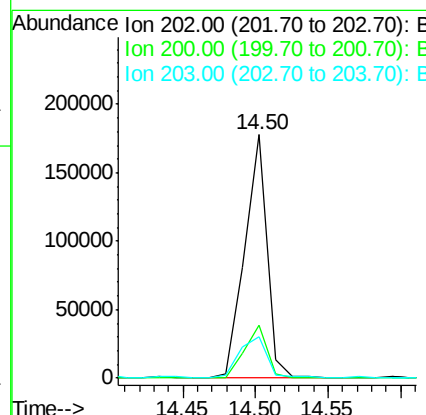
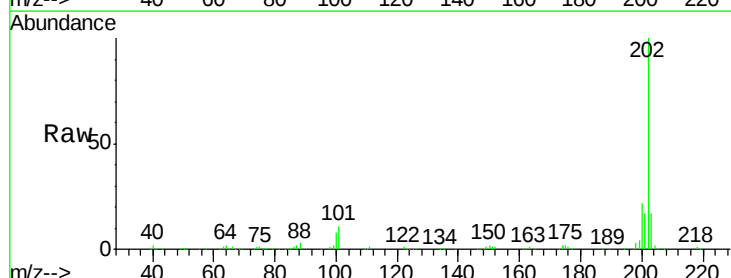
Instrument :
BNA_F
ClientSampleId :
SB-34D

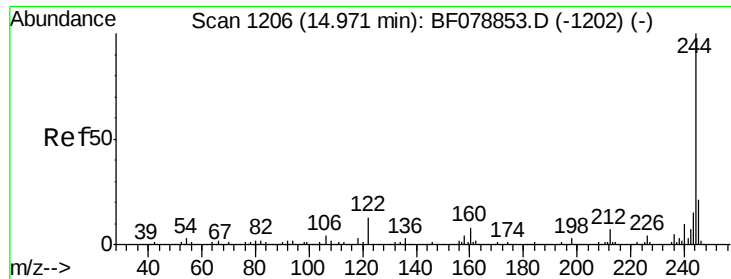
Tgt Ion:240 Resp: 196910
Ion Ratio Lower Upper
240 100
120 10.6 8.6 12.8
236 26.5 21.0 31.6



#77
Pyrene
Concen: 16.61 ng
RT: 14.50 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion:202 Resp: 188474
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 17.1 14.7 22.1

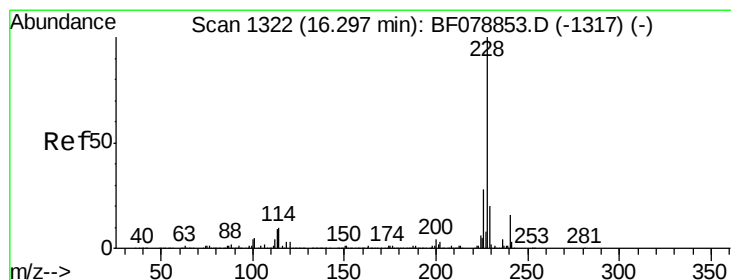
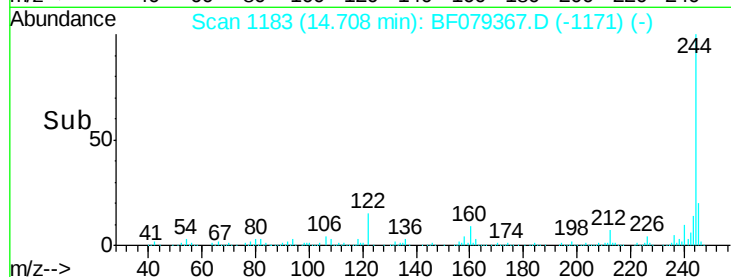
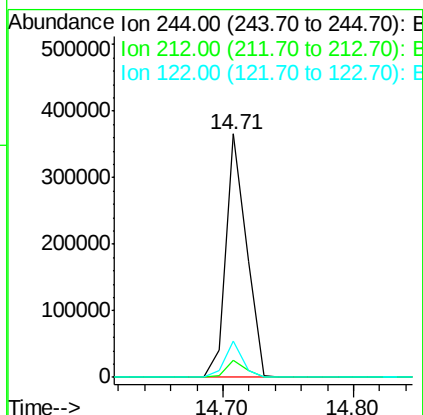
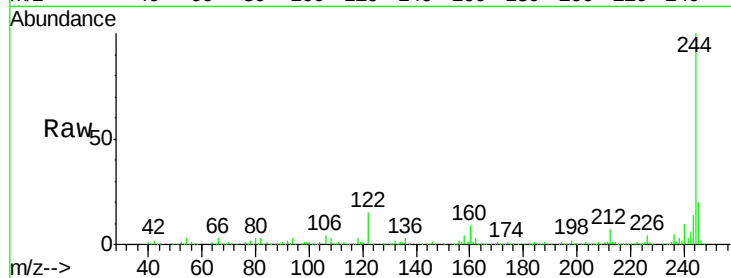




#78
 Terphenyl-d14
 Concen: 48.81 ng
 RT: 14.71 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

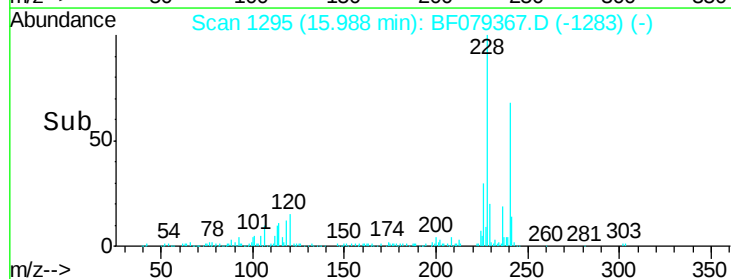
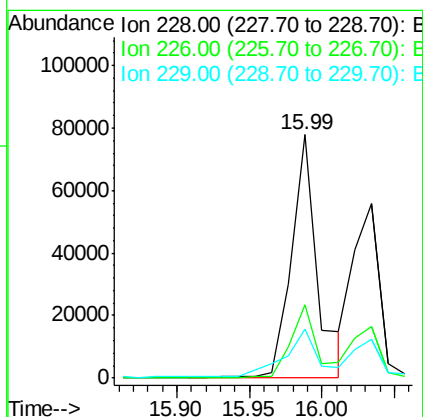
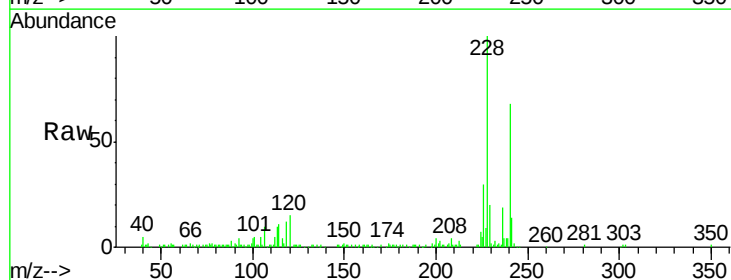
Instrument :
 BNA_F
 ClientSampleId :
 SB-34D

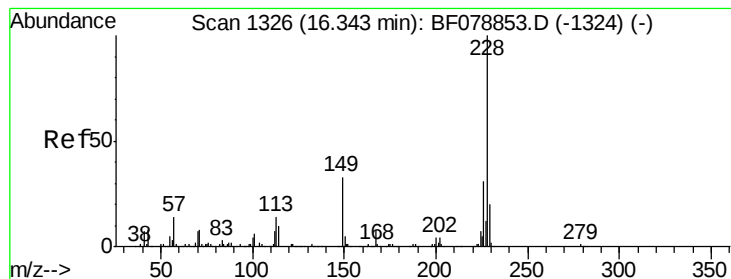
Tgt Ion: 244 Resp: 401434
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.7 10.5 15.7



#80
 Benzo(a)anthracene
 Concen: 8.99 ng
 RT: 15.99 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF079367.D
 Acq: 20 May 2015 5:26

Tgt Ion: 228 Resp: 96944
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.3 33.5
 229 20.1 16.1 24.1





#82

Chrysene

Concen: 6.71 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

Instrument :

BNA_F

ClientSampleId :

SB-34D

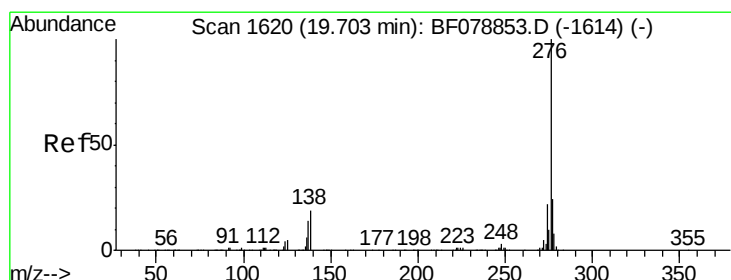
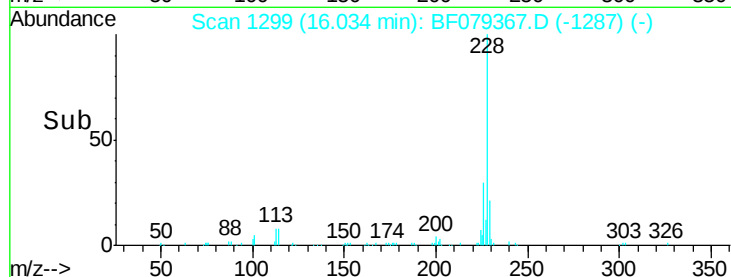
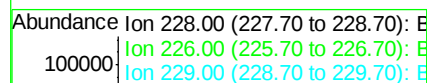
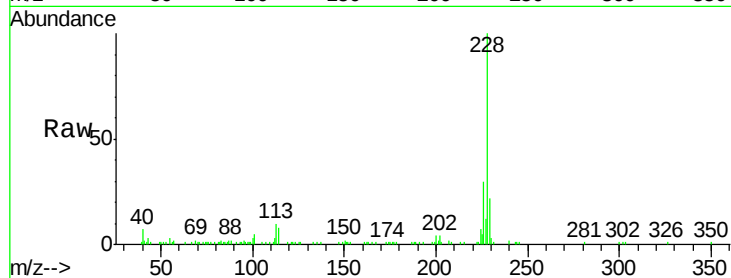
Tgt Ion:228 Resp: 69554

Ion Ratio Lower Upper

228 100

226 29.9 24.8 37.2

229 22.0 16.1 24.1



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.73 ng

RT: 19.06 min Scan# 1564

Delta R.T. -0.15 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

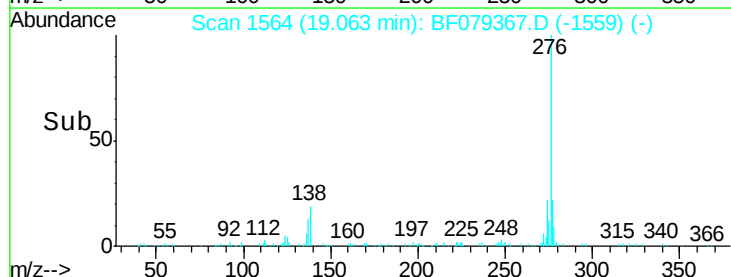
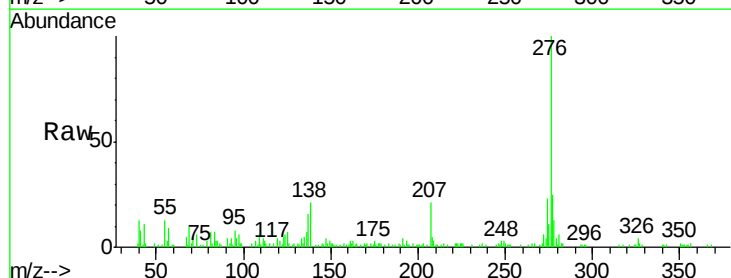
Tgt Ion:276 Resp: 49351

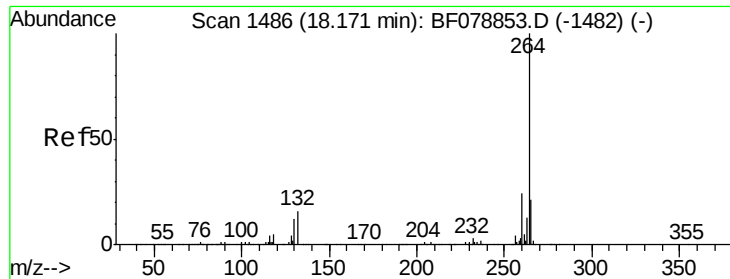
Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

277 26.0 19.9 29.9



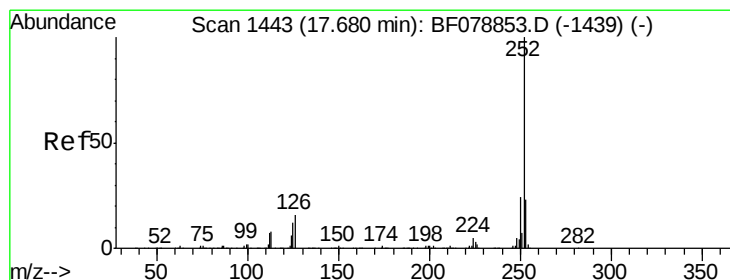
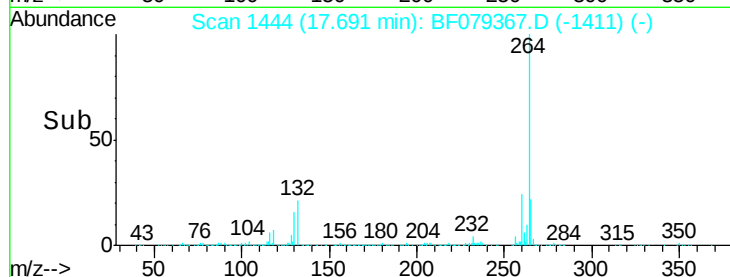
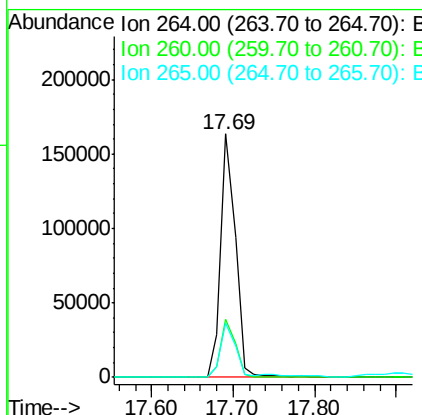
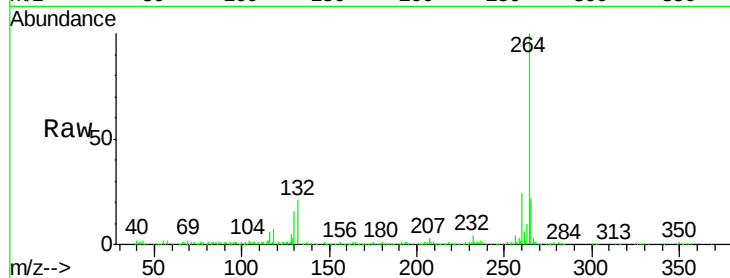


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.13 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Instrument :
BNA_F
ClientSampleId :
SB-34D

Tgt Ion: 264 Resp: 207419

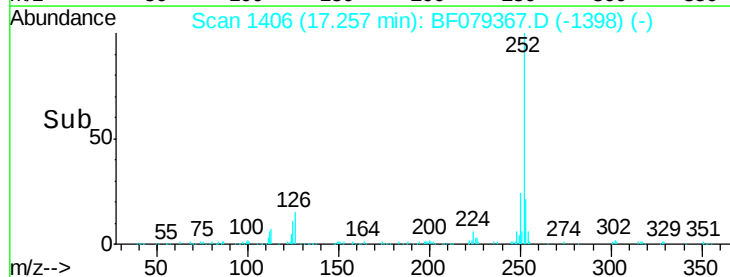
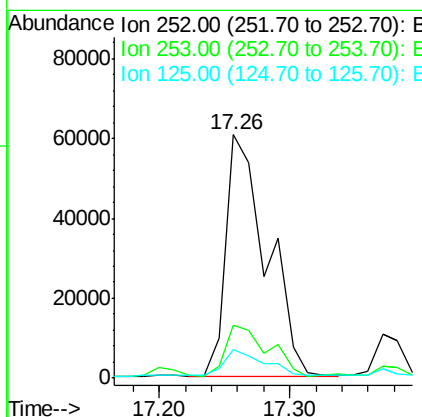
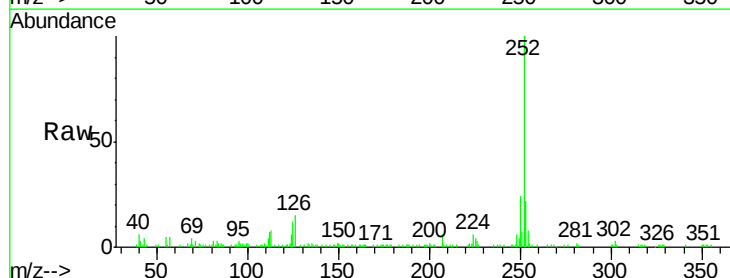
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.2	25.8

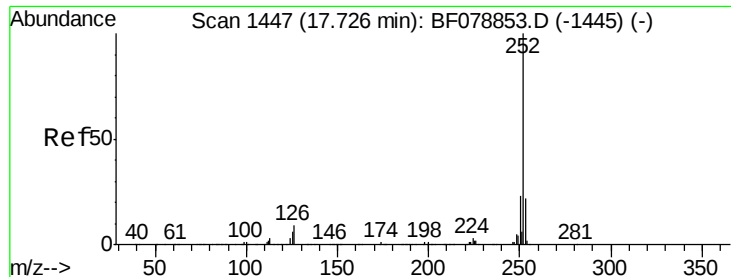


#87
Benzo(b)fluoranthene
Concen: 11.66 ng
RT: 17.26 min Scan# 1406
Delta R.T. -0.09 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion: 252 Resp: 132431

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.9	9.4	14.2

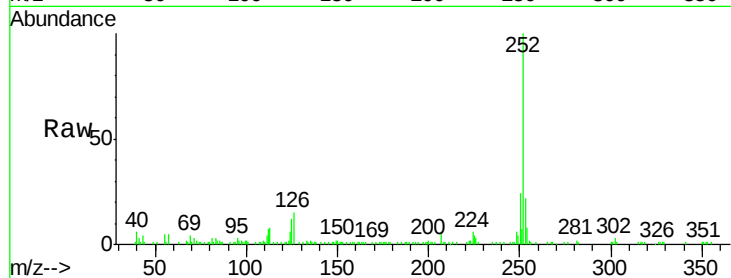




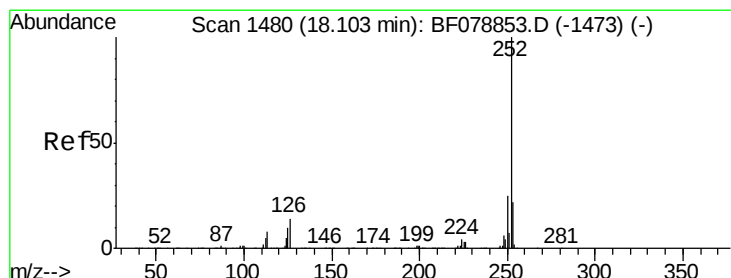
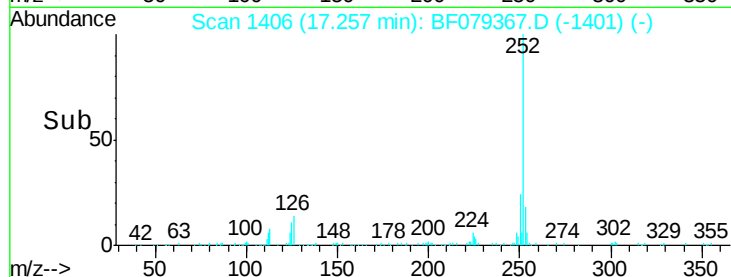
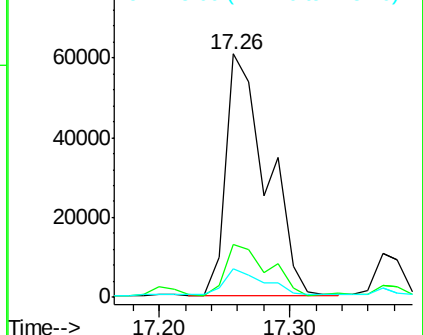
#88
Benzo(k)fluoranthene
Concen: 12.05 ng
RT: 17.26 min Scan# 1406
Delta R.T. -0.13 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Instrument :
BNA_F
ClientSampleId :
SB-34D

Tgt Ion:252 Resp: 132431
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 11.9 6.1 9.1#

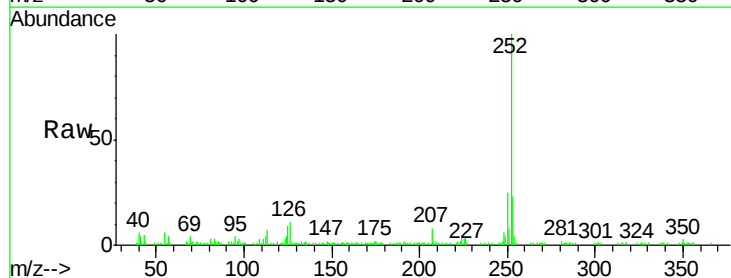


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

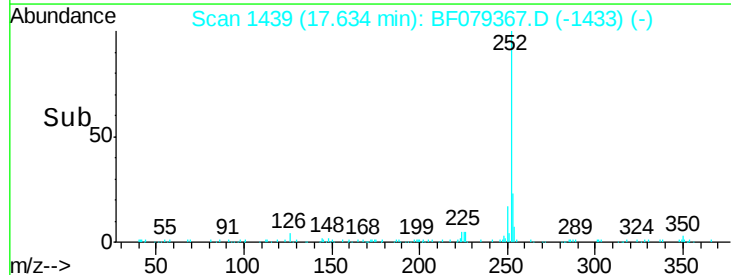
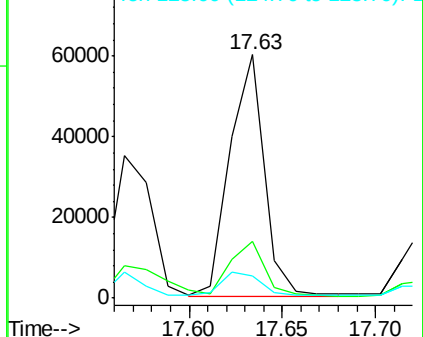


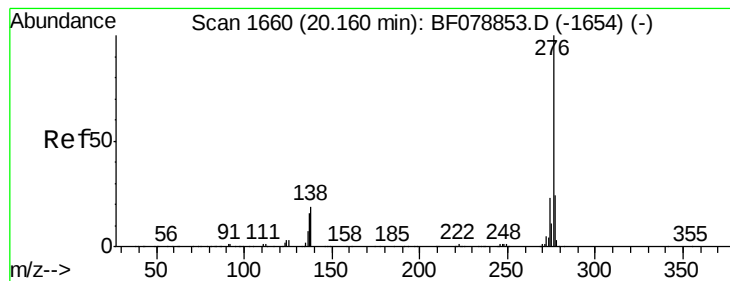
#89
Benzo(a)pyrene
Concen: 7.42 ng
RT: 17.63 min Scan# 1439
Delta R.T. -0.11 min
Lab File: BF079367.D
Acq: 20 May 2015 5:26

Tgt Ion:252 Resp: 77575
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 9.2 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





#91

Benzo(g,h,i)perylene

Concen: 4.18 ng

RT: 19.46 min Scan# 1599

Delta R.T. -0.16 min

Lab File: BF079367.D

Acq: 20 May 2015 5:26

Instrument :

BNA_F

ClientSampleId :

SB-34D

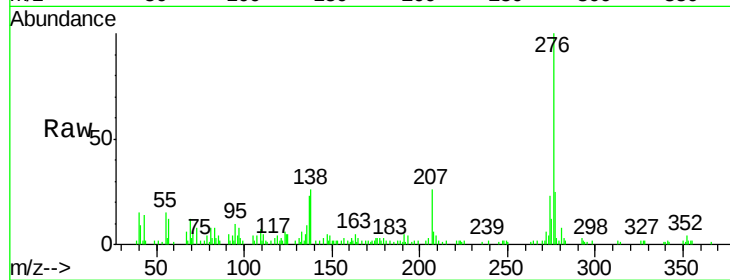
Tgt Ion: 276 Resp: 46538

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 25.6 15.2 22.8#



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

