

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079335.D
 Acq On : 19 May 2015 6:21
 Operator : TP/IZ
 Sample : G2270-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11

Quant Time: May 19 07:28:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 06:58:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	47697	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	204791	20.00	ng	0.00
38) Acenaphthene-d10	10.92	164	101287	20.00	ng	0.01
63) Phenanthrene-d10	12.77	188	198652	20.00	ng	0.01
75) Chrysene-d12	16.06	240	202507	20.00	ng	0.00
86) Perylene-d12	17.82	264	197851	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	245730m	88.68	ng	0.01
7) Phenol-d6	6.74	99	329403	89.94	ng	0.00
23) Nitrobenzene-d5	7.86	82	193685	54.36	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	102220	93.29	ng	0.01
44) 2-Fluorobiphenyl	10.09	172	406851	55.96	ng	0.00
78) Terphenyl-d14	14.75	244	473909	56.03	ng	0.00

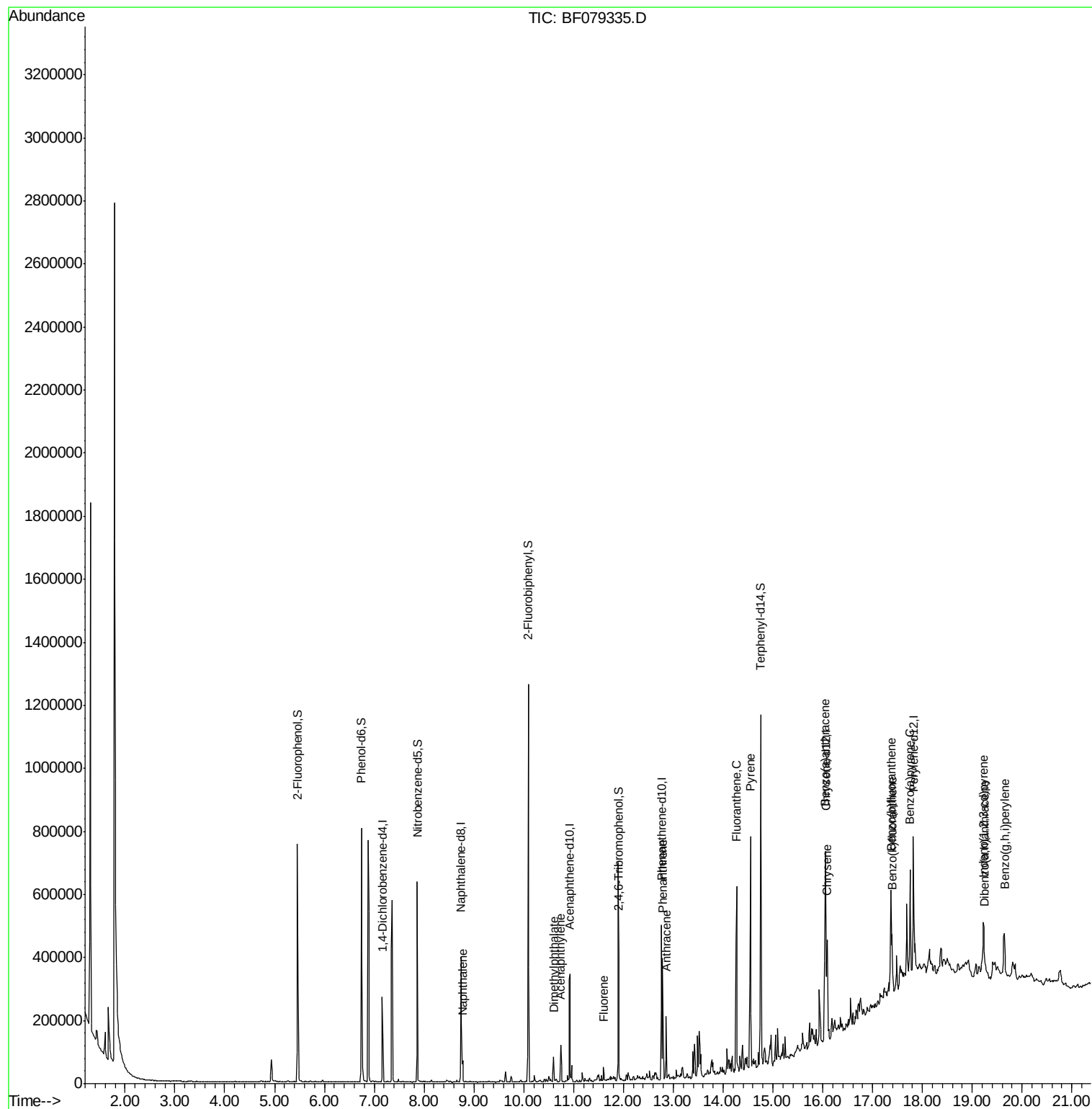
Target Compounds				Qvalue		
31) Naphthalene	8.78	128	41817	4.29	ng	99
48) Acenaphthylene	10.74	152	59632	5.78	ng	99
49) Dimethylphthalate	10.60	163	44044	5.92	ng	# 98
57) Fluorene	11.60	166	18104	2.48	ng	100
70) Phenanthrene	12.79	178	165409	14.88	ng	100
71) Anthracene	12.86	178	81751	7.50	ng	99
74) Fluoranthene	14.27	202	318595	27.51	ng	93
77) Pyrene	14.55	202	322197	27.61	ng	99
80) Benzo(a)anthracene	16.05	228	206475m	18.62	ng	
82) Chrysene	16.09	228	151520	14.21	ng	99
85) Indeno(1,2,3-cd)pyrene	19.22	276	113875	8.38	ng	95
87) Benzo(b)fluoranthene	17.37	252	226599m	20.92	ng	
88) Benzo(k)fluoranthene	17.39	252	75031m	7.16	ng	
89) Benzo(a)pyrene	17.75	252	169683	17.02	ng	# 96
90) Dibenzo(a,h)anthracene	19.25	278	26842	2.53	ng	# 85
91) Benzo(g,h,i)perylene	19.65	276	116444	10.96	ng	# 95

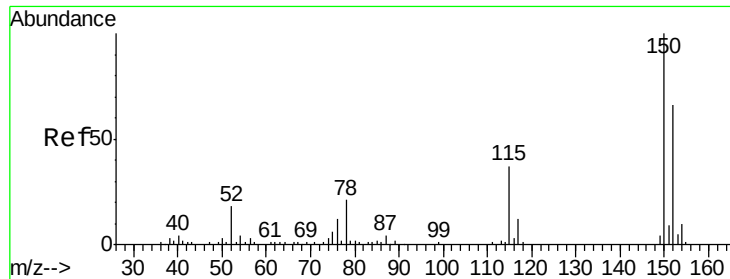
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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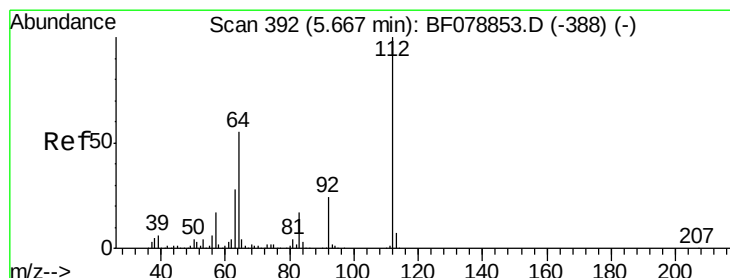
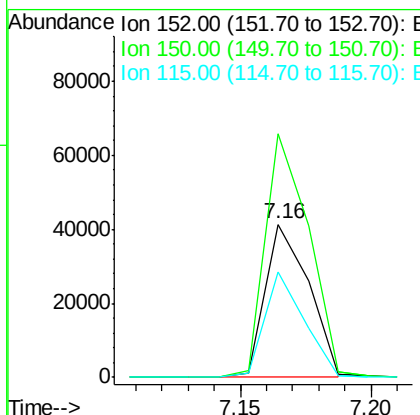
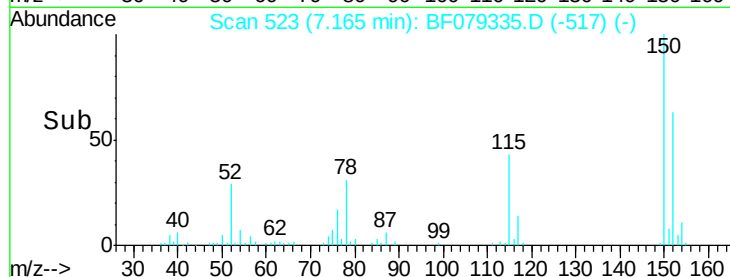
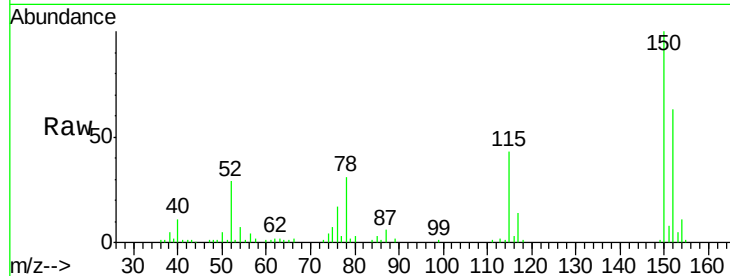




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

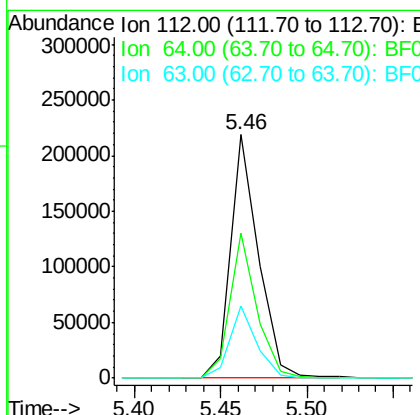
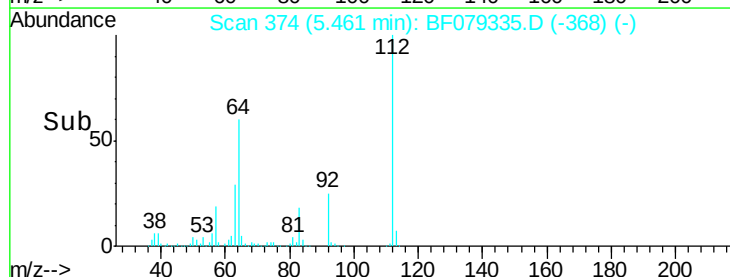
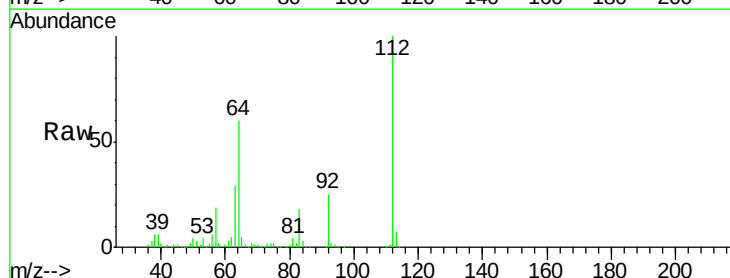
Instrument :
 BNA_F
 ClientSampled :
 SB-11

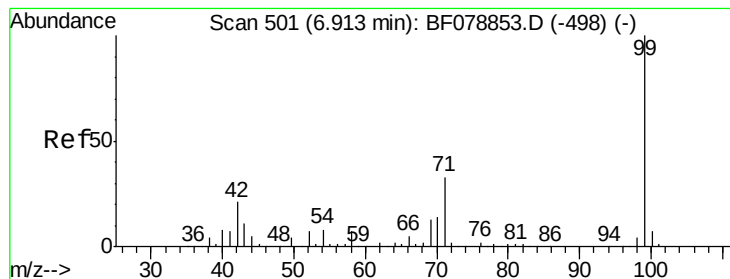
Tot Ion:	152	Resp:	47697
Ion	Ratio	Lower	Upper
152	100		
150	159.2	123.8	185.8
115	68.5	49.4	74.0



#5
 2-Fluorophenol
 Concen: 88.68 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Tgt Ion:	112	Resp:	245730
Ion	Ratio	Lower	Upper
112	100		
64	59.6	44.2	66.2
63	29.5	22.7	34.1





#7

Phenol-d6

Concen: 89.94 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

Instrument :

BNA_F

ClientSampled :

SB-11

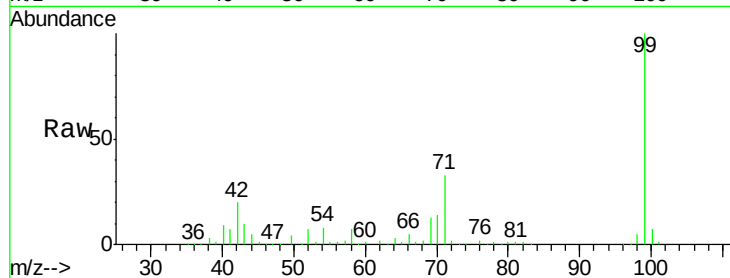
Tot Ion: 99 Resp: 329403

Ion Ratio Lower Upper

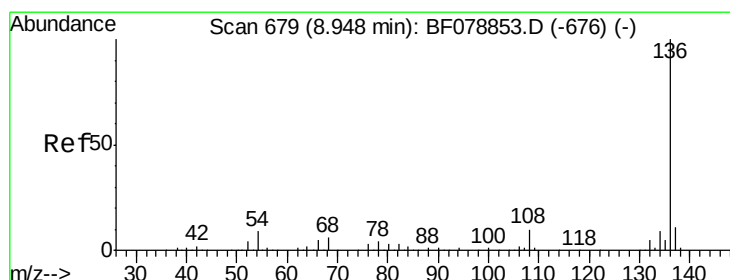
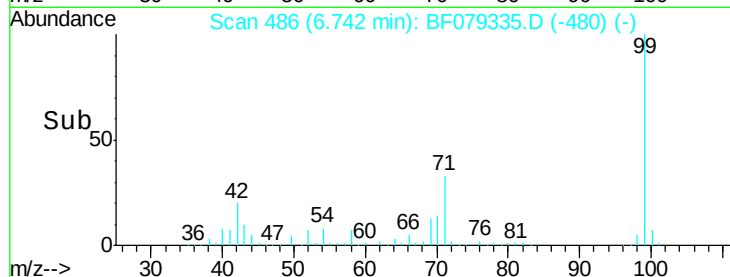
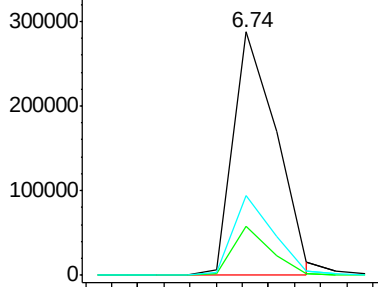
99 100

42 20.3 17.1 25.7

71 32.7 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: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

Tgt Ion: 136 Resp: 204791

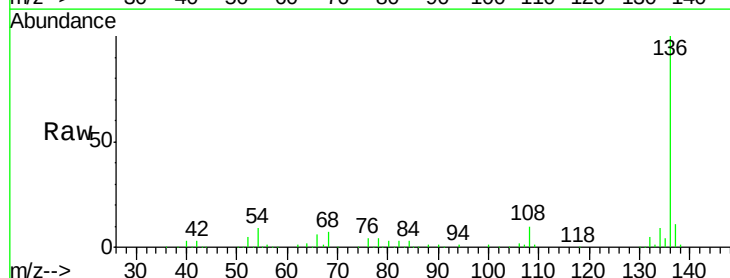
Ion Ratio Lower Upper

136 100

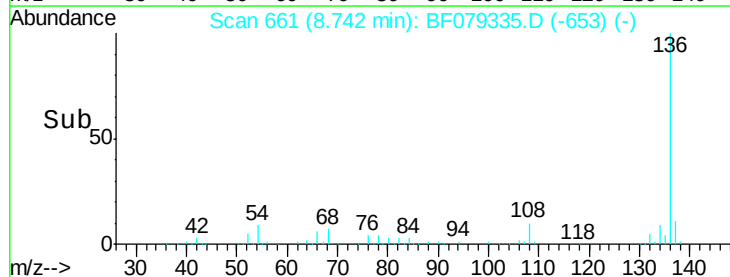
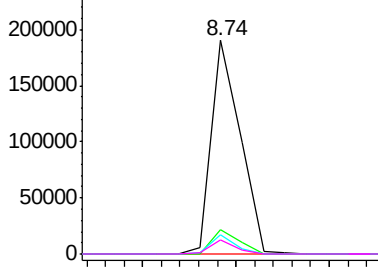
137 11.3 8.8 13.2

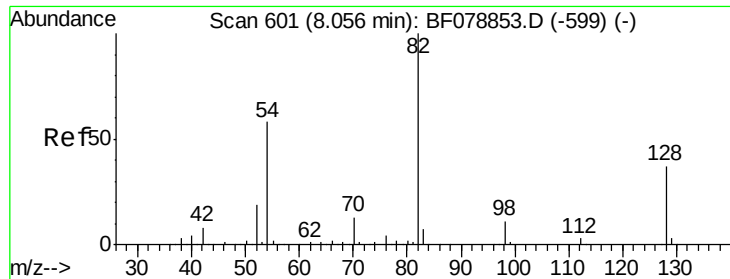
54 9.1 6.9 10.3

68 6.8 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

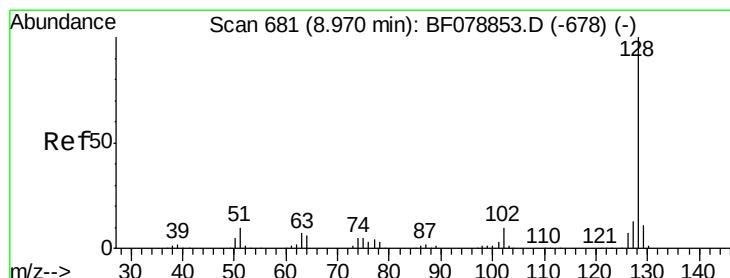
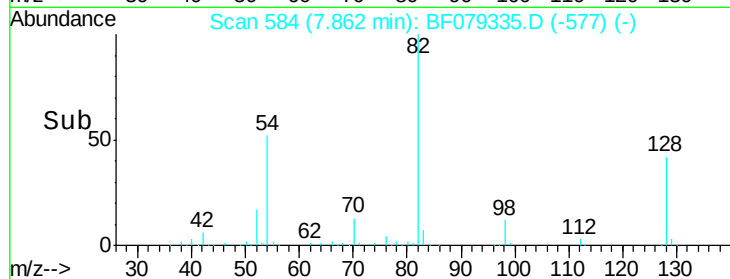
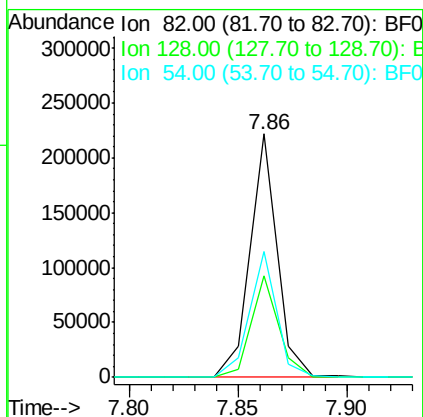
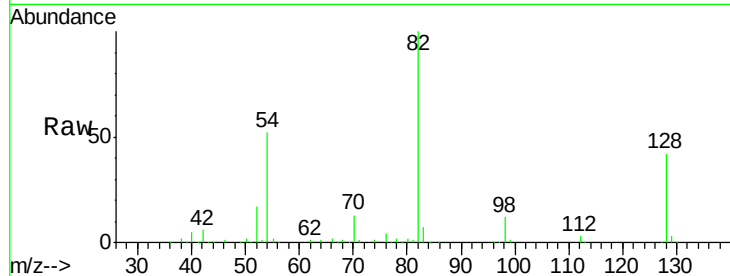




#23
 Nitrobenzene-d5
 Concen: 54.36 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

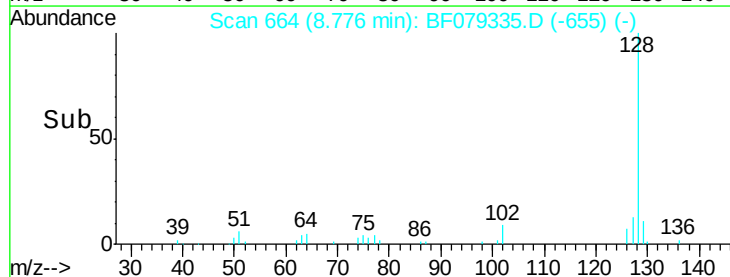
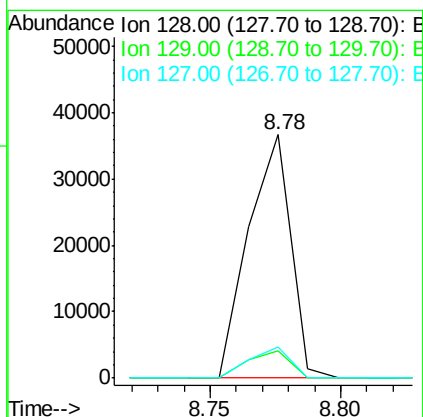
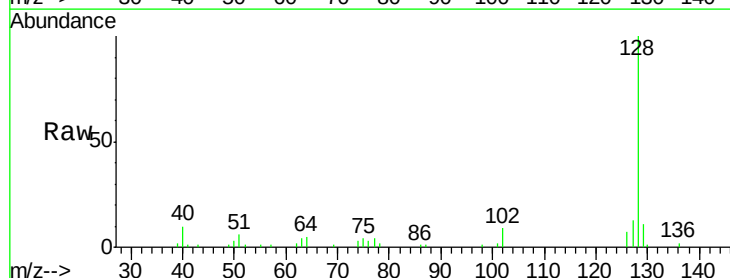
Instrument :
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 ClientSampleId :
 SB-11

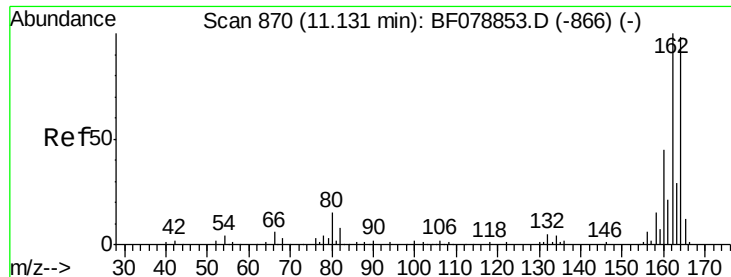
Tot Ion	82	Resp	193685
Ion Ratio	100	Lower	Upper
128	41.7	29.7	44.5
54	51.9	46.2	69.4



#31
 Naphthalene
 Concen: 4.29 ng
 RT: 8.78 min Scan# 664
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Tgt Ion	128	Resp	41817
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	11.2	9.2	13.8
127	12.5	10.3	15.5

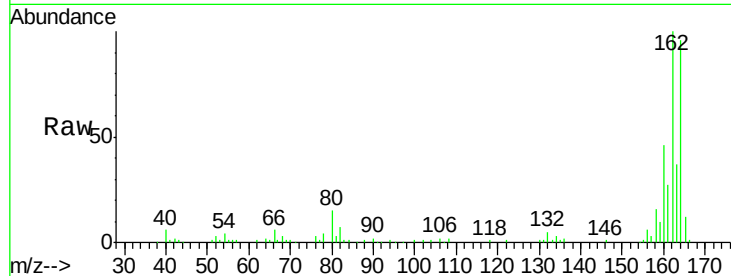




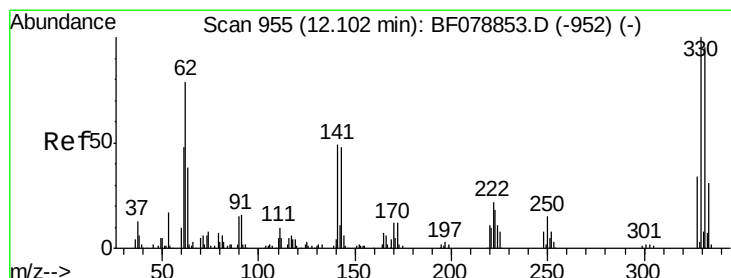
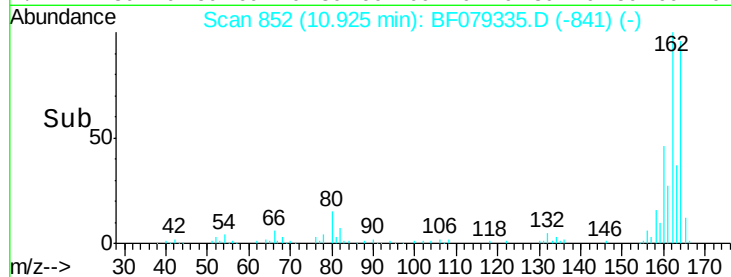
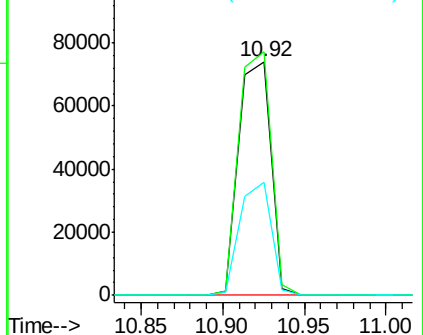
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-11

Tot Ion:164 Resp: 101287
 Ion Ratio Lower Upper
 164 100
 162 104.3 81.4 122.0
 160 48.2 36.6 54.8

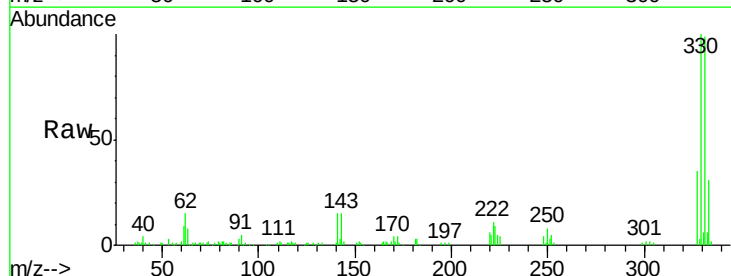


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

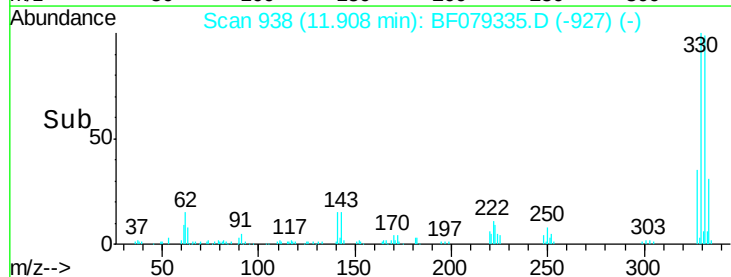
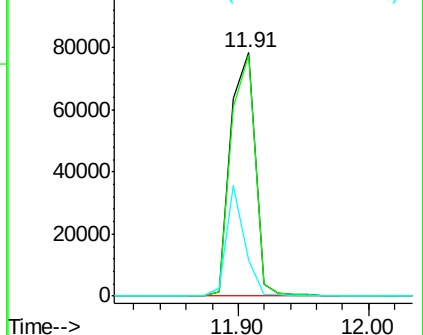


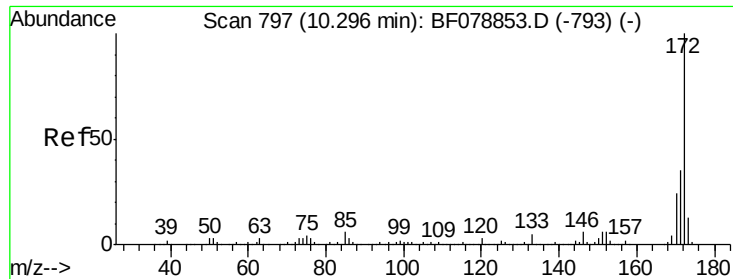
#41
 2,4,6-Tribromophenol
 Concen: 93.29 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Tgt Ion:330 Resp: 102220
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.9 115.3
 141 34.5 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

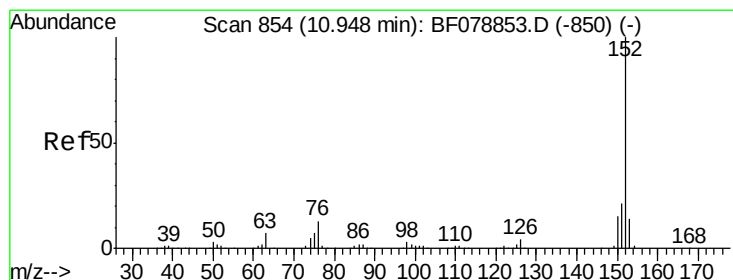
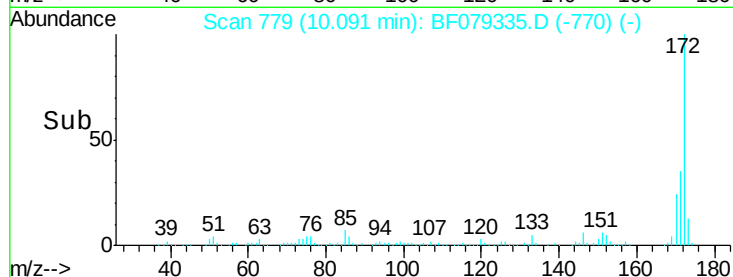
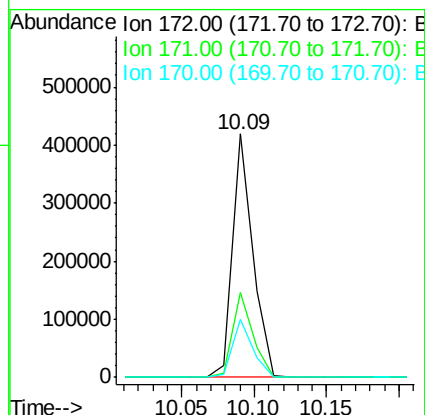
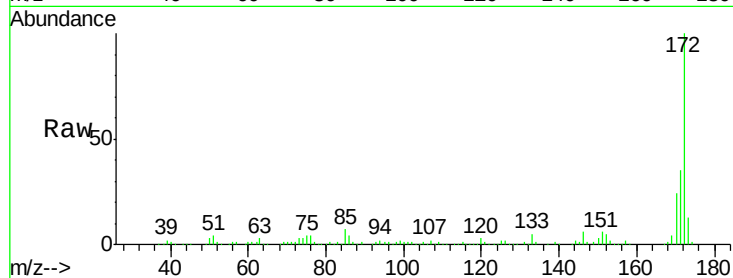




#44
2-Fluorobiphenyl
Concen: 55.96 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

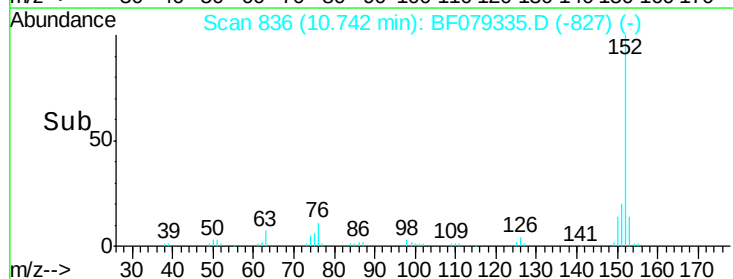
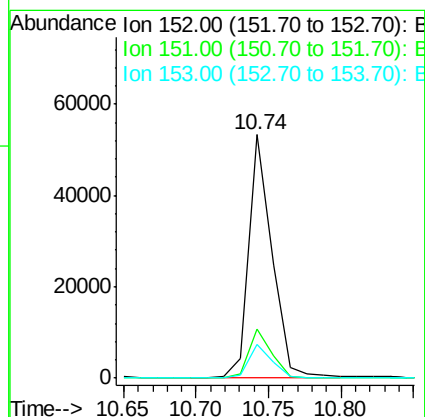
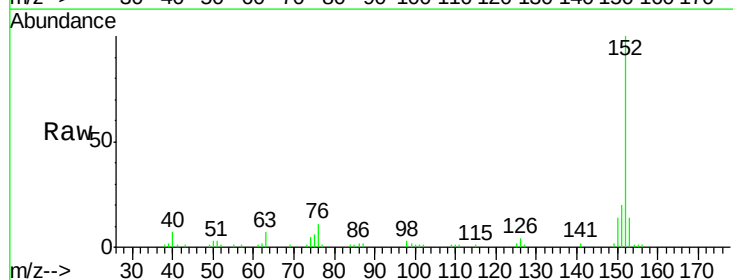
Instrument :
BNA_F
ClientSampled :
SB-11

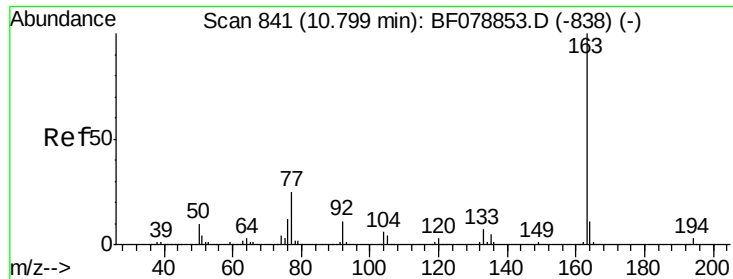
Tot Ion:172 Resp: 406851
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 24.0 19.4 29.2



#48
Acenaphthylene
Concen: 5.78 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Tgt Ion:152 Resp: 59632
Ion Ratio Lower Upper
152 100
151 20.1 16.6 24.8
153 13.9 11.0 16.6





#49

Dimethylphthalate

Concen: 5.92 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

Instrument :

BNA_F

ClientSampled :

SB-11

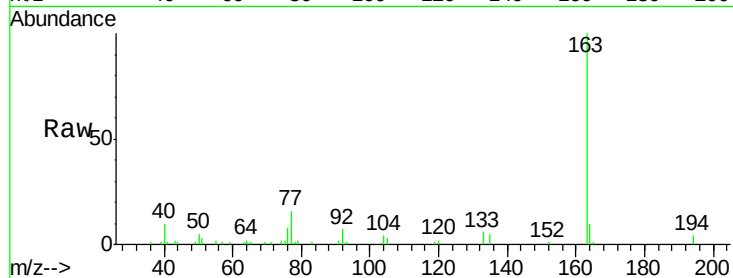
Tot Ion:163 Resp: 44044

Ion Ratio Lower Upper

163 100

194 3.8 2.4 3.6#

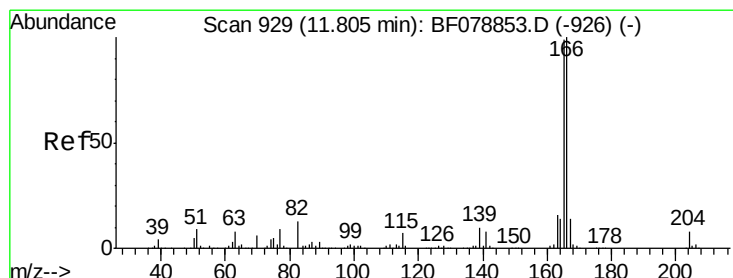
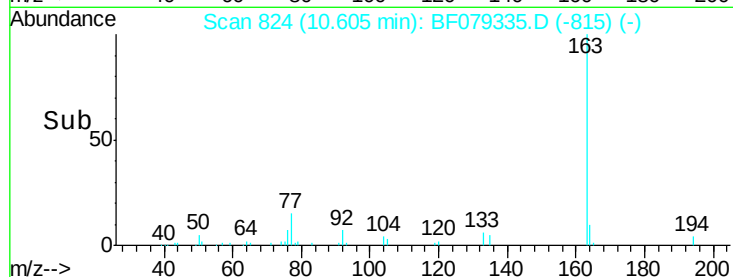
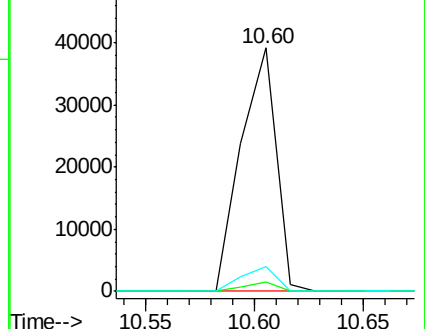
164 10.1 8.6 12.8



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



#57

Fluorene

Concen: 2.48 ng

RT: 11.60 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

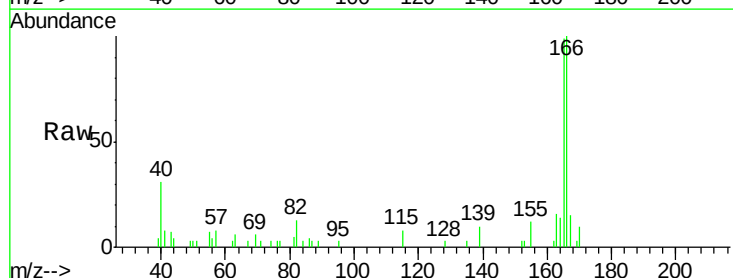
Tgt Ion:166 Resp: 18104

Ion Ratio Lower Upper

166 100

165 99.3 79.5 119.3

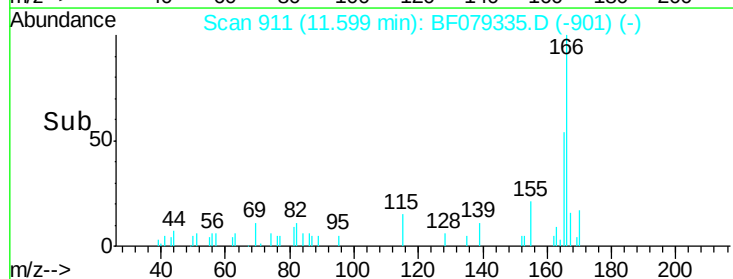
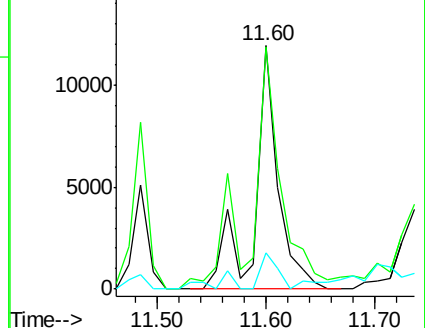
167 15.0 11.0 16.6

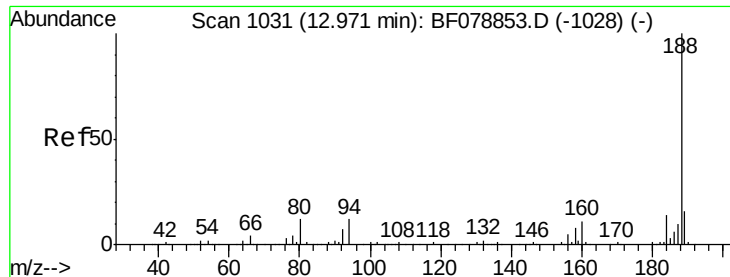


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

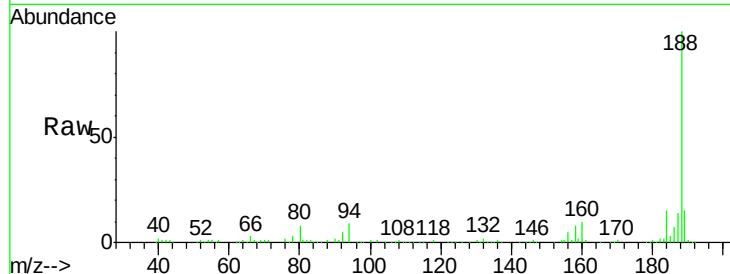




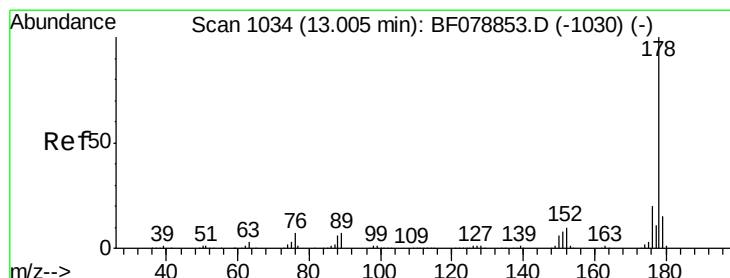
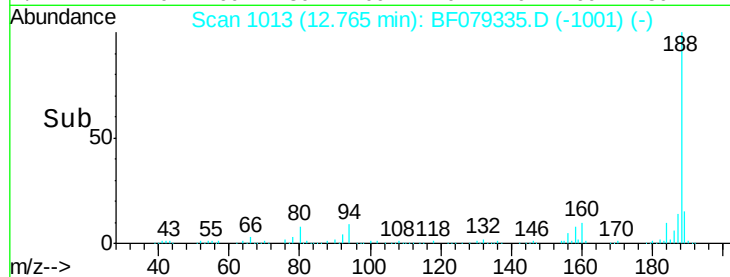
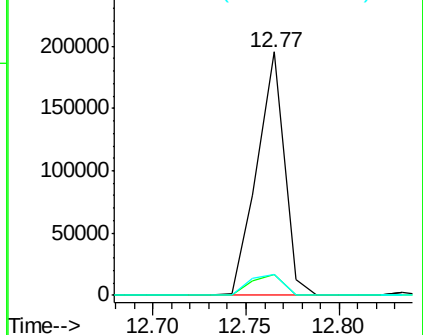
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Instrument :
BNA_F
ClientSampled :
SB-11

Tot Ion:188 Resp: 198652
Ion Ratio Lower Upper
188 100
94 8.7 9.4 14.0#
80 8.3 9.8 14.6#

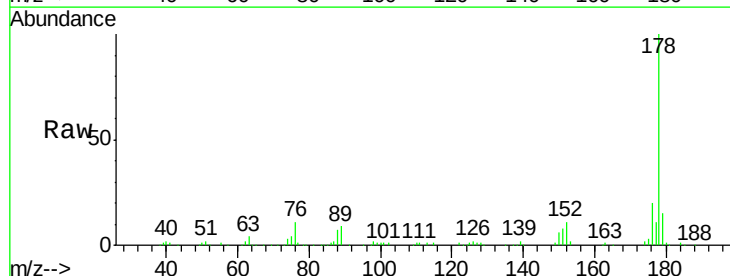


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

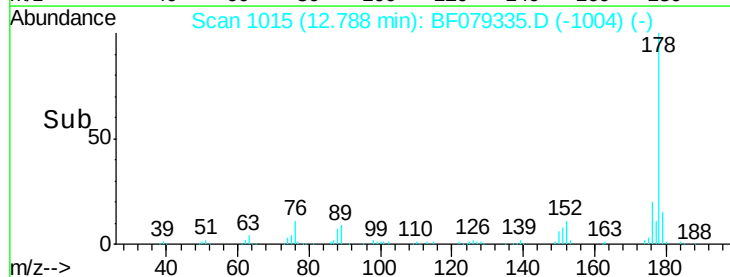
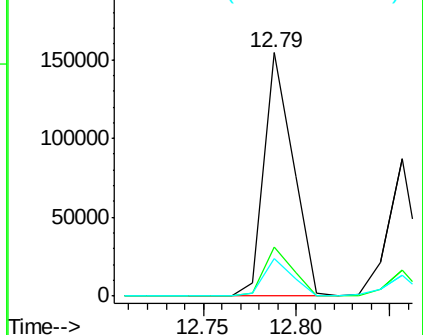


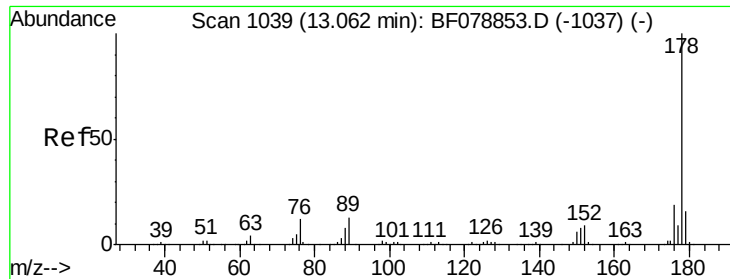
#70
Phenanthrene
Concen: 14.88 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Tgt Ion:178 Resp: 165409
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.3 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

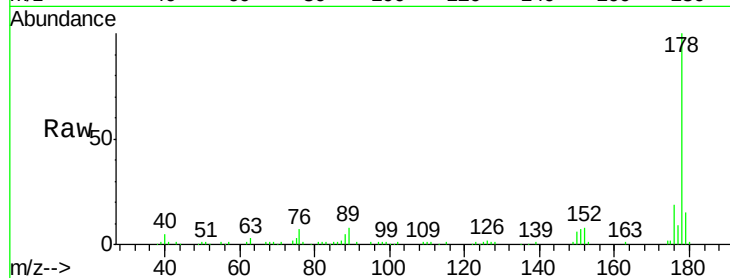




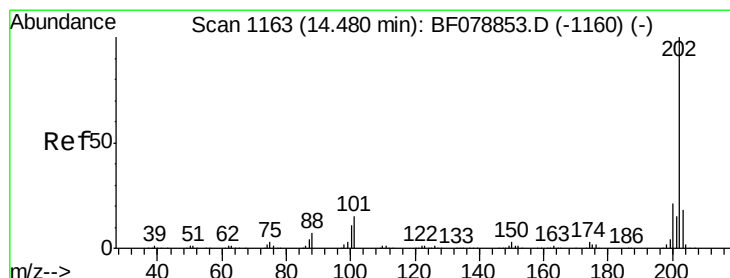
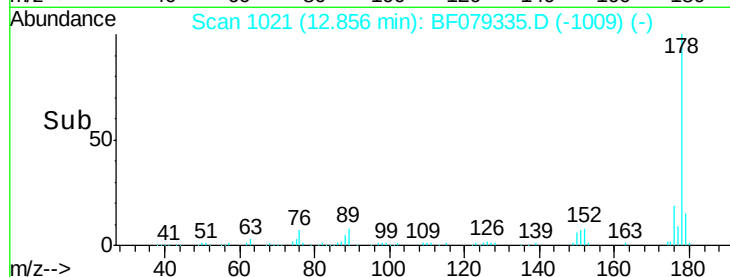
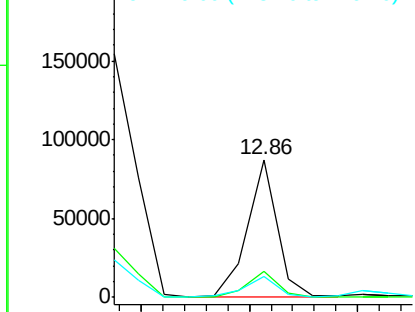
#71
 Anthracene
 Concen: 7.50 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-11

Tot Ion:178 Resp: 81751
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.2 12.6 19.0

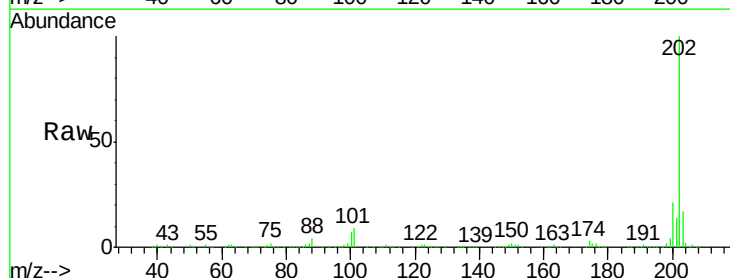


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

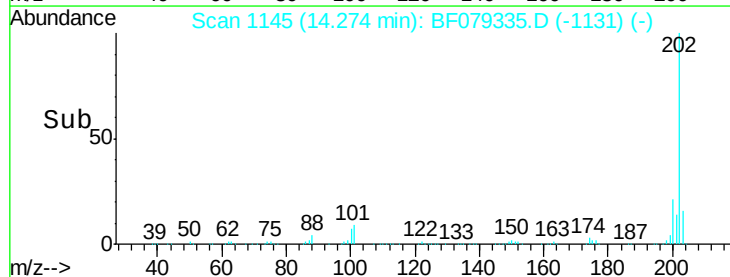
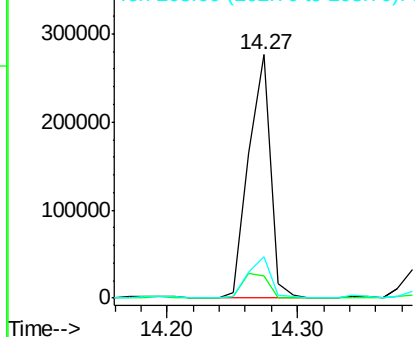


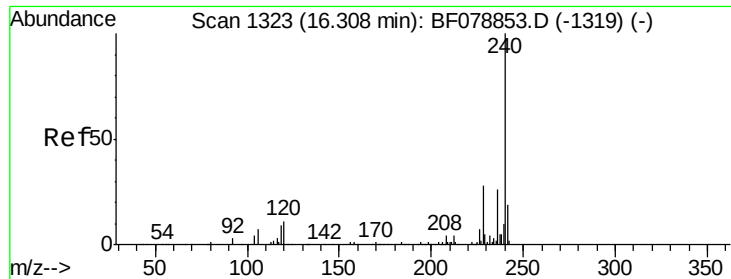
#74
 Fluoranthene
 Concen: 27.51 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Tgt Ion:202 Resp: 318595
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 34.7
 203 16.9 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

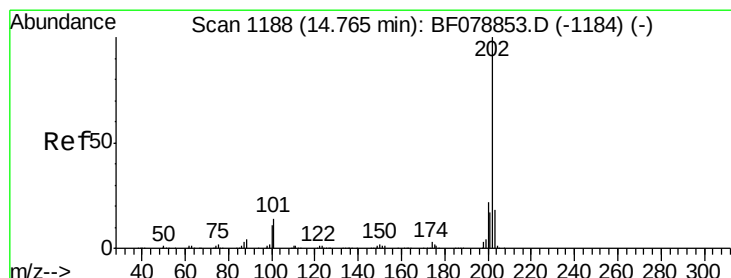
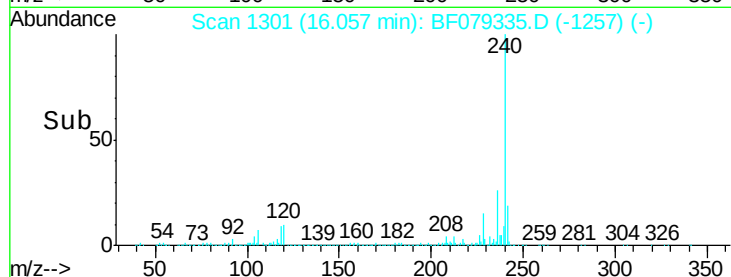
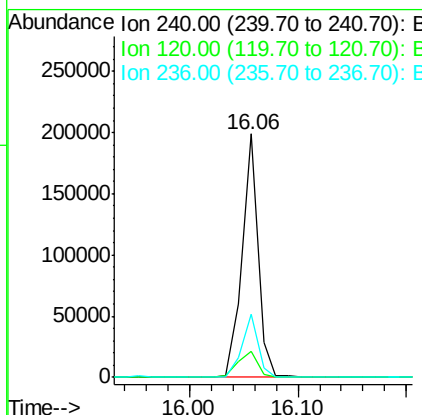
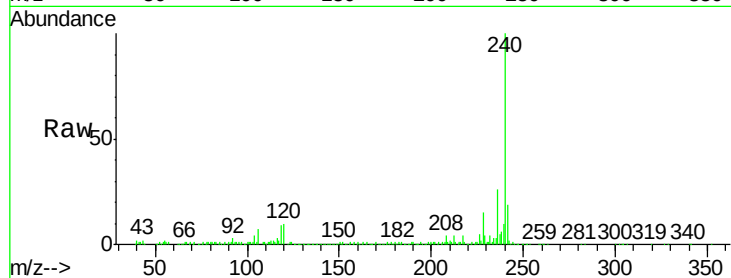




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.06 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

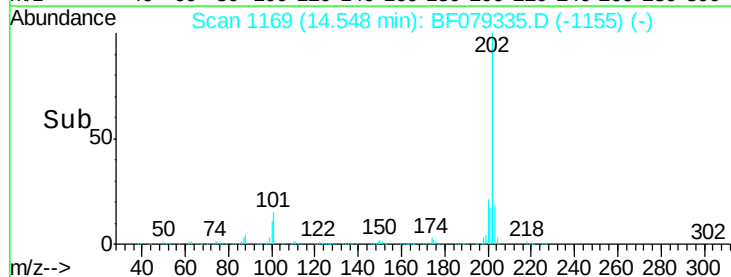
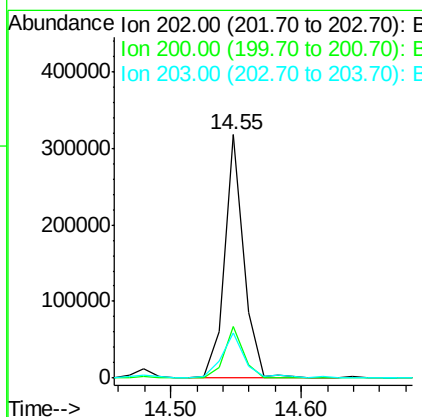
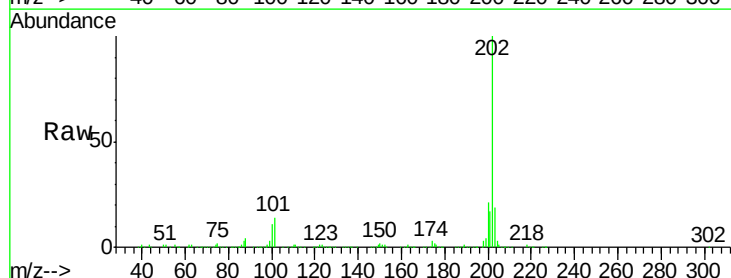
Instrument :
 BNA_F
 ClientSampled :
 SB-11

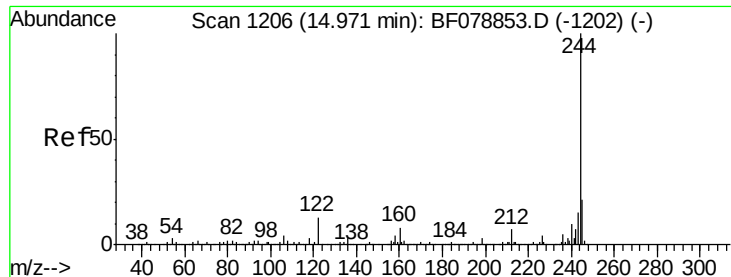
Tot Ion:240 Resp: 202507
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.6 12.8
 236 25.8 21.0 31.6



#77
 Pyrene
 Concen: 27.61 ng
 RT: 14.55 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF079335.D
 Acq: 19 May 2015 6:21

Tgt Ion:202 Resp: 322197
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.5 26.3
 203 18.7 14.7 22.1





#78

Terphenyl-d14

Concen: 56.03 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

Instrument :

BNA_F

ClientSampleId :

SB-11

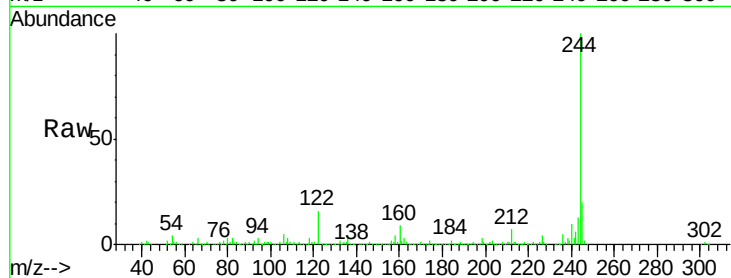
Tot Ion:244 Resp: 473909

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

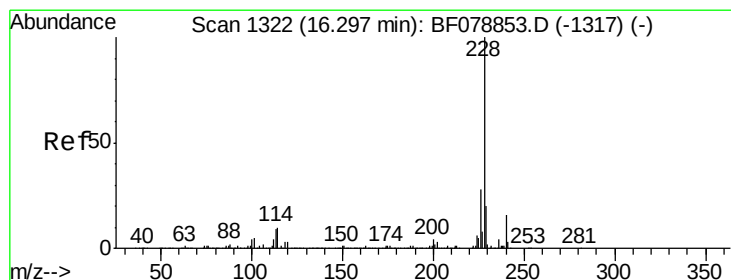
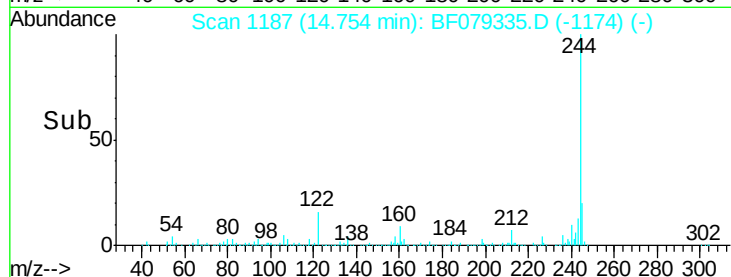
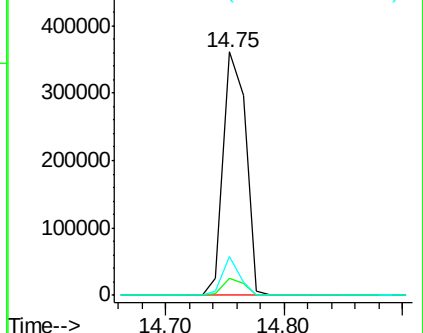
122 15.7 10.5 15.7



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: 18.62 ng m

RT: 16.05 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

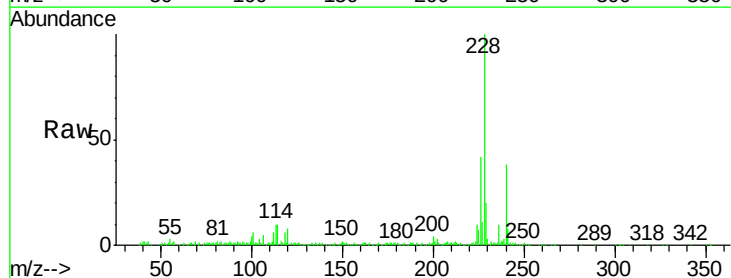
Tgt Ion:228 Resp: 206475

Ion Ratio Lower Upper

228 100

226 41.7 22.3 33.5#

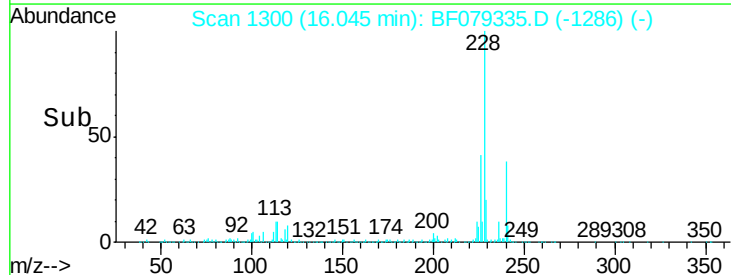
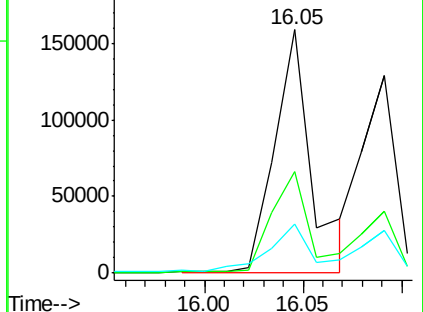
229 20.3 16.1 24.1

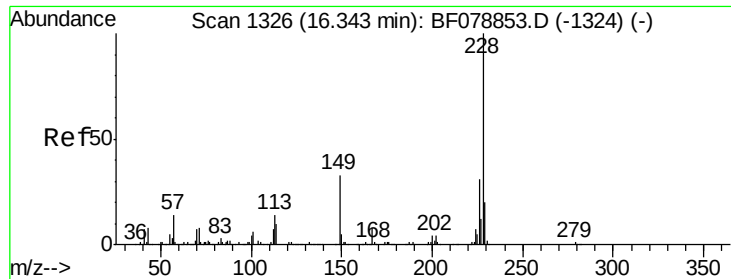


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

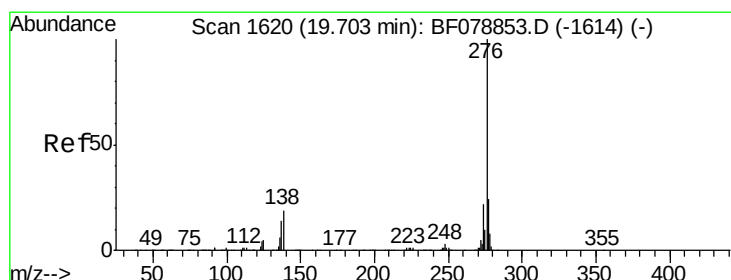
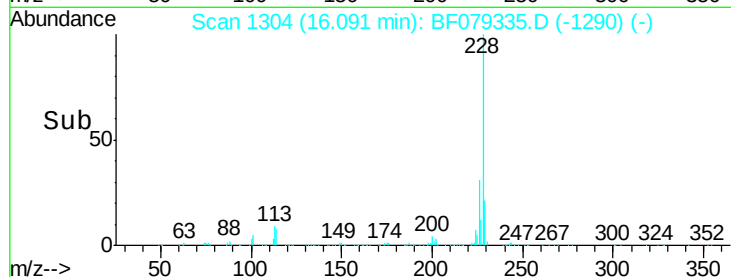
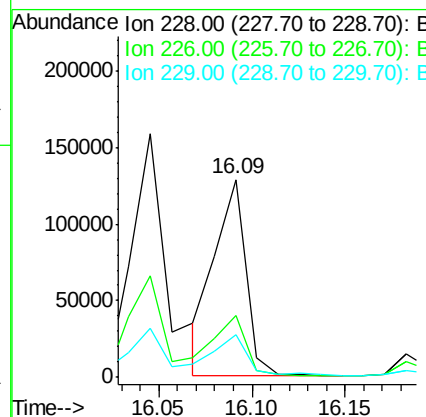
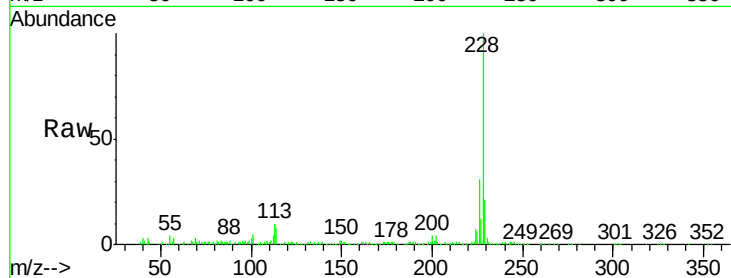




#82
Chrysene
Concen: 14.21 ng
RT: 16.09 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

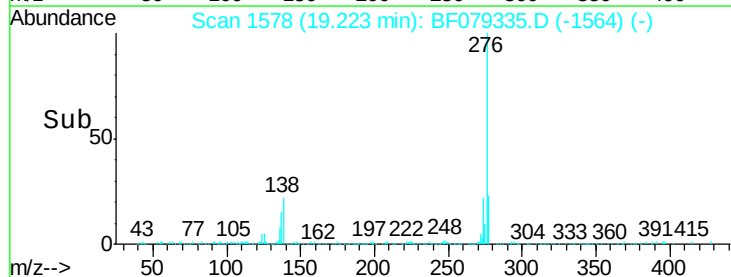
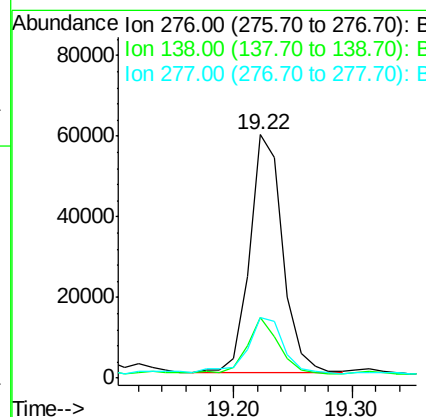
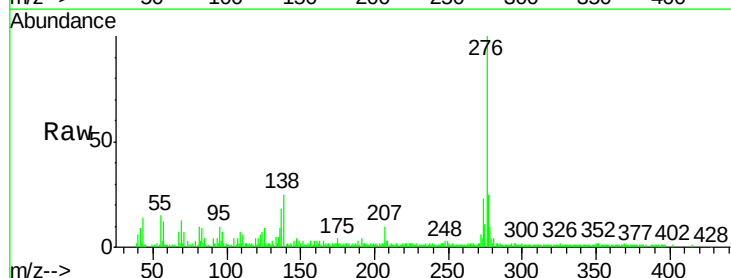
Instrument :
BNA_F
ClientSampleId :
SB-11

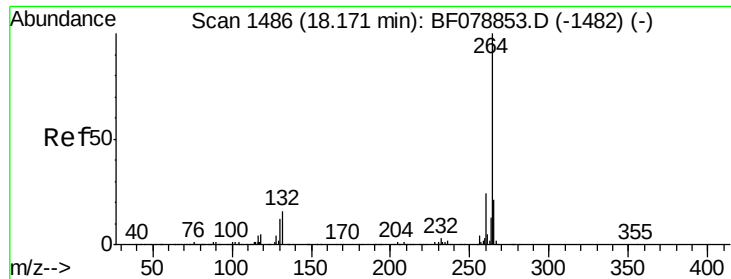
Tot Ion:228 Resp: 151520
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 21.4 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.38 ng
RT: 19.22 min Scan# 1578
Delta R.T. -0.05 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Tgt Ion:276 Resp: 113875
Ion Ratio Lower Upper
276 100
138 23.2 21.1 31.7
277 26.9 19.9 29.9

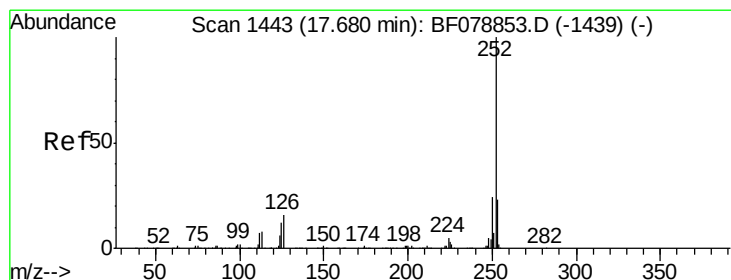
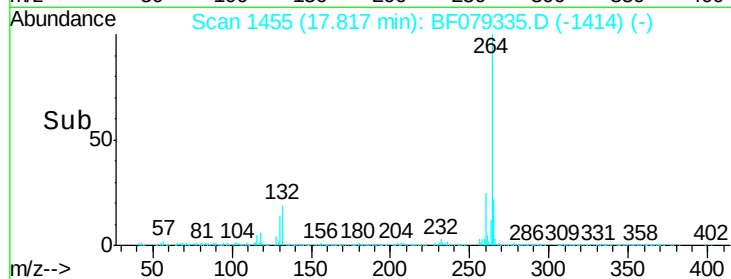
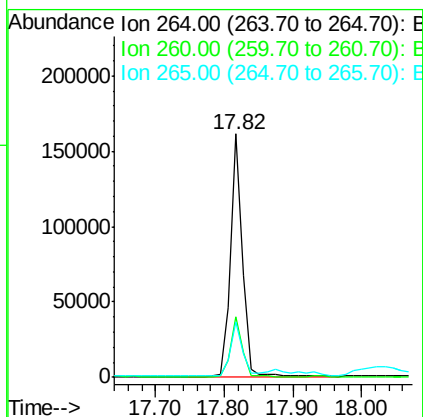
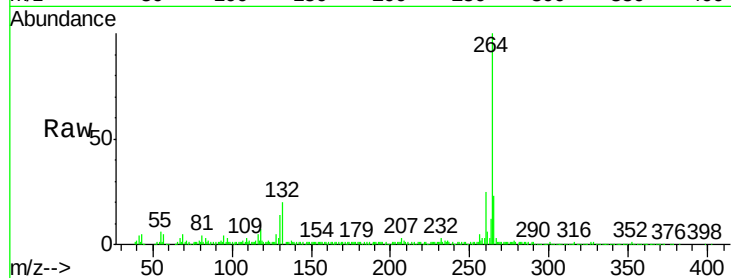




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.82 min Scan# 1455
Delta R.T. -0.03 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

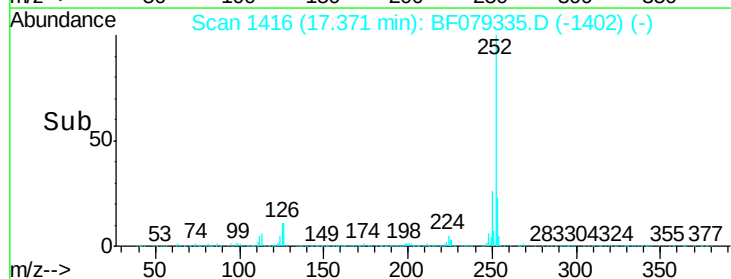
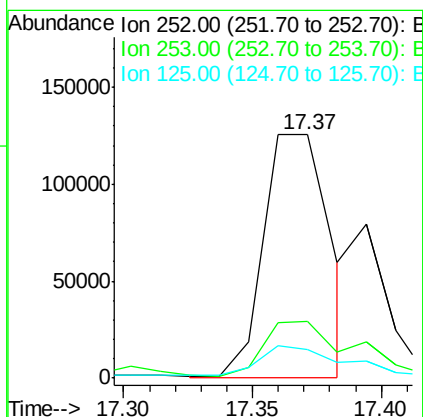
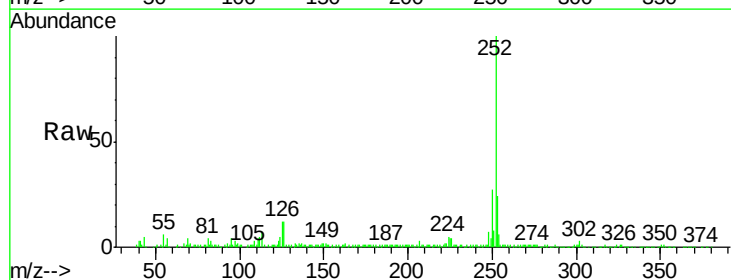
Instrument :
BNA_F
ClientSampleId :
SB-11

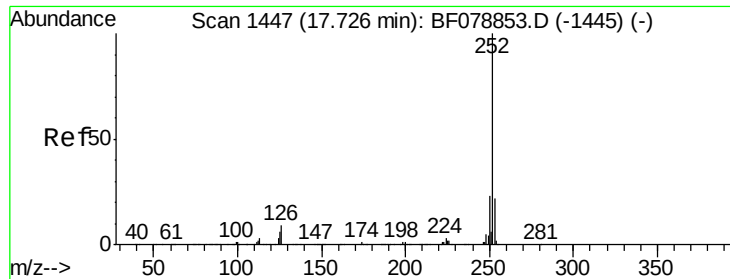
Tot Ion:264 Resp: 197851
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 20.92 ng m
RT: 17.37 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Tgt Ion:252 Resp: 226599
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.8 9.4 14.2

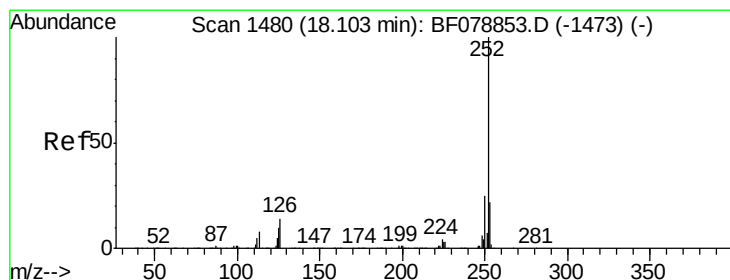
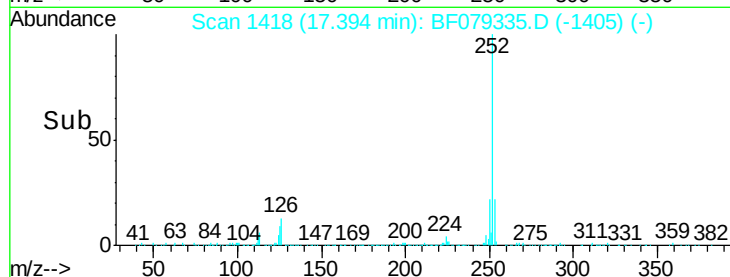
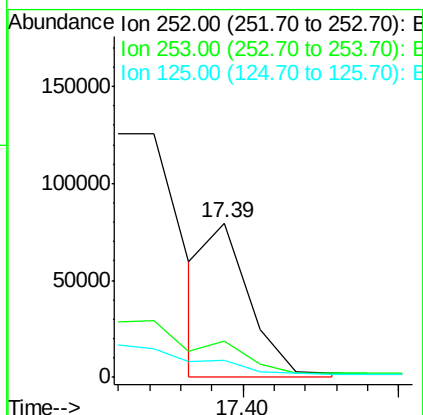
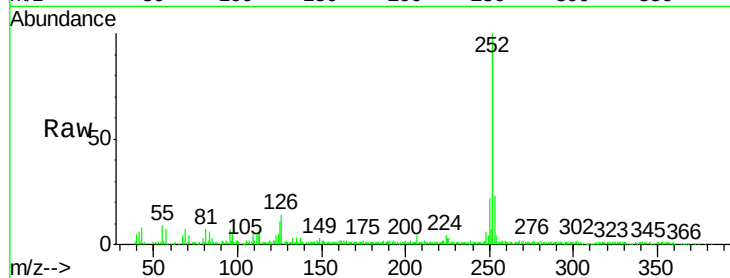




#88
Benzo(k)fluoranthene
Concen: 7.16 ng m
RT: 17.39 min Scan# 1418
Delta R.T. -0.03 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

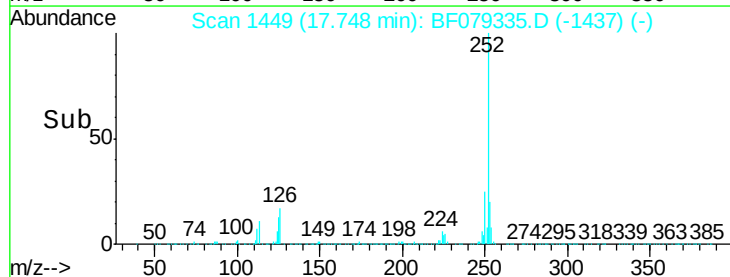
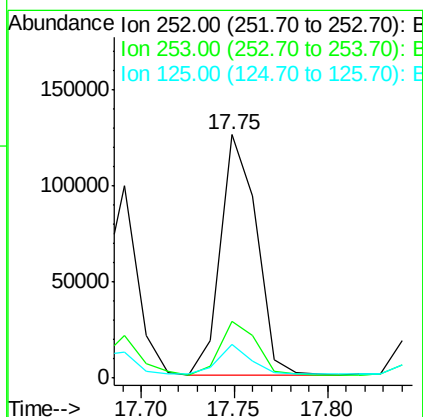
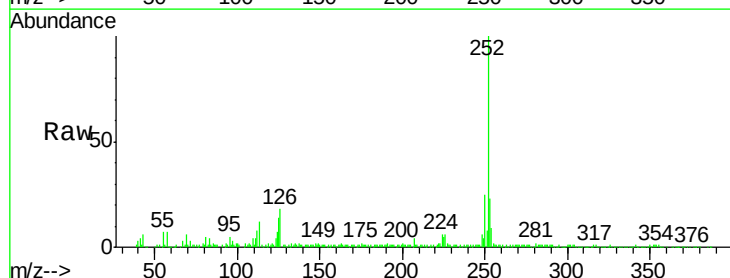
Instrument :
BNA_F
ClientSampleId :
SB-11

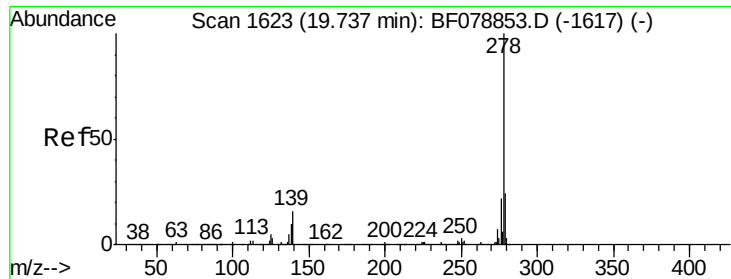
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	11.0	6.1	9.1#



#89
Benzo(a)pyrene
Concen: 17.02 ng
RT: 17.75 min Scan# 1449
Delta R.T. -0.05 min
Lab File: BF079335.D
Acq: 19 May 2015 6:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.0	8.2	12.2#





#90

Dibenzo(a,h)anthracene

Concen: 2.53 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.06 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

Instrument :

BNA_F

ClientSampleId :

SB-11

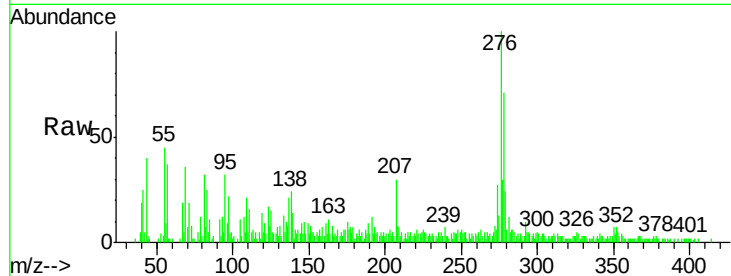
Tot Ion:278 Resp: 26842

Ion Ratio Lower Upper

278 100

139 20.2 13.1 19.7#

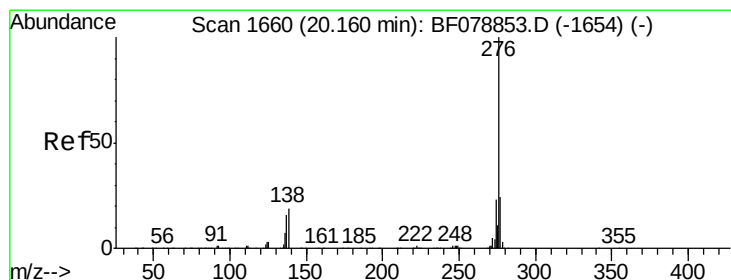
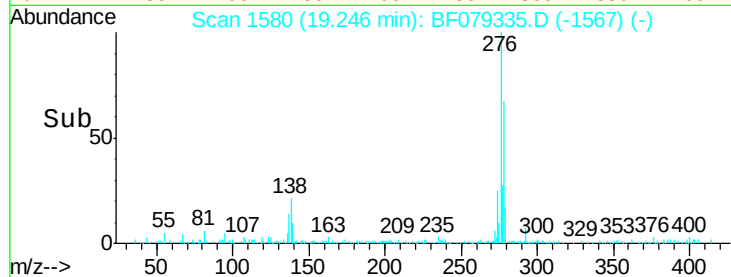
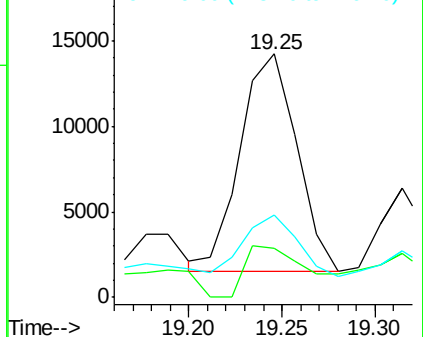
279 33.7 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.96 ng

RT: 19.65 min Scan# 1615

Delta R.T. -0.05 min

Lab File: BF079335.D

Acq: 19 May 2015 6:21

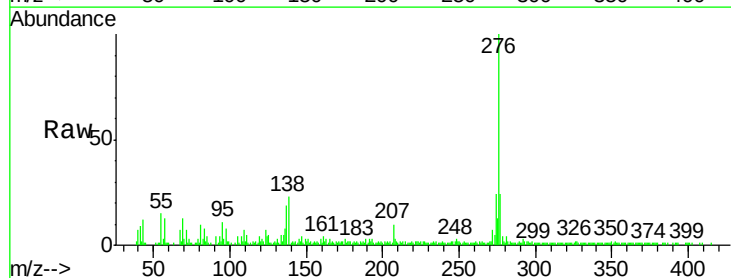
Tgt Ion:276 Resp: 116444

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 23.1 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

