

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079161.D
 Acq On : 12 May 2015 16:53
 Operator : TP/IZ
 Sample : G2155-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

Quant Time: May 13 11:49:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	65917	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	275885	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	137095	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	261039	20.00	ng	0.00
75) Chrysene-d12	16.21	240	270620	20.00	ng	0.01
86) Perylene-d12	18.01	264	295591	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	303303	79.20	ng	0.01
7) Phenol-d6	6.84	99	398611	78.75	ng	0.00
23) Nitrobenzene-d5	7.98	82	225427	46.96	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	110879	74.76	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	421912	42.88	ng	0.00
78) Terphenyl-d14	14.88	244	432873	38.30	ng	0.00

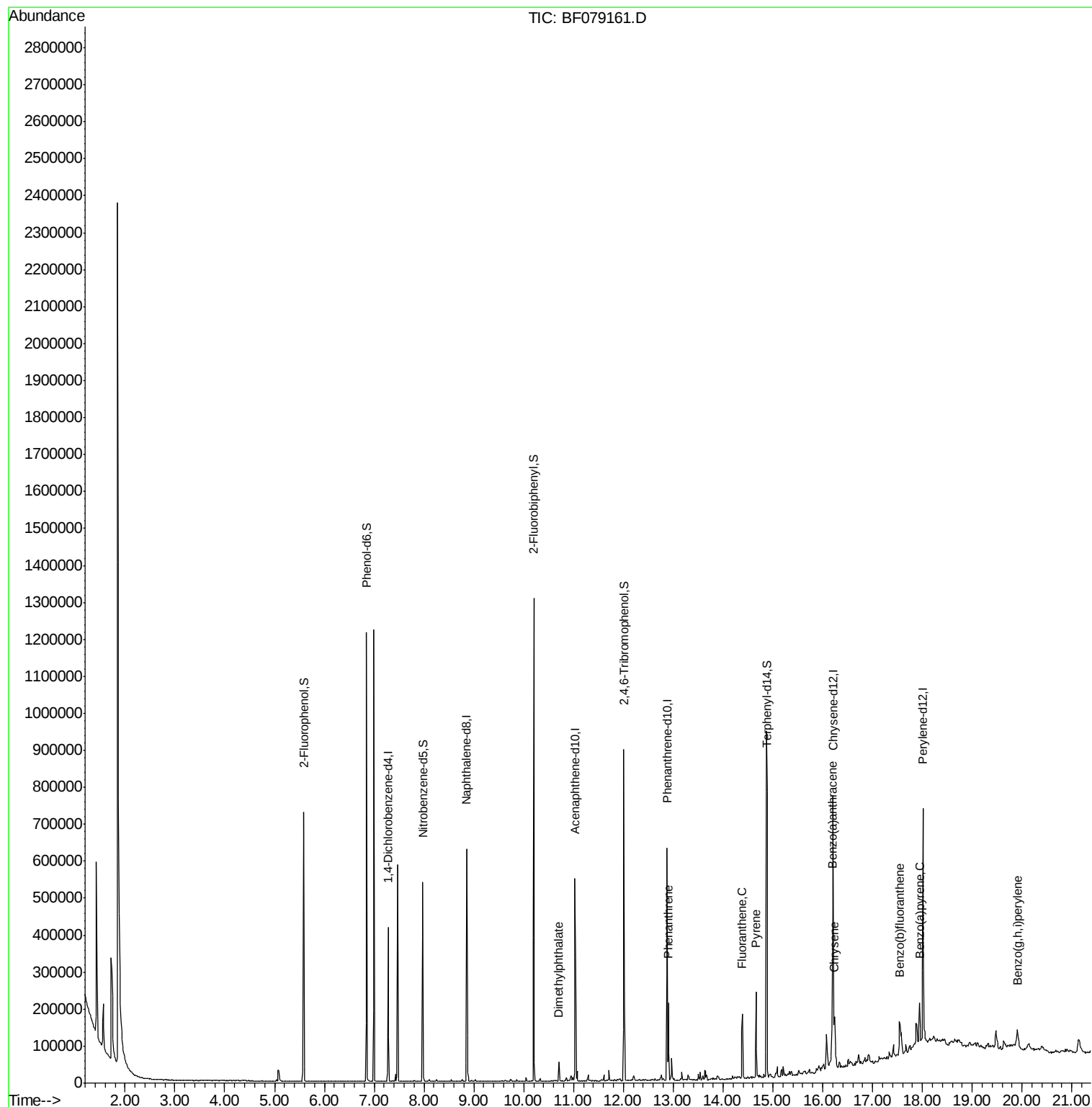
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.71	163	21084	2.10	ng	99
70) Phenanthrene	12.90	178	87416	5.99	ng	98
74) Fluoranthene	14.39	202	97993	6.44	ng	92
77) Pyrene	14.66	202	103816	6.66	ng	97
80) Benzo(a)anthracene	16.19	228	47880m	3.23	ng	
82) Chrysene	16.24	228	43795m	3.07	ng	
87) Benzo(b)fluoranthene	17.54	252	57601m	3.56	ng	
89) Benzo(a)pyrene	17.94	252	49646	3.33	ng	# 94
91) Benzo(g,h,i)perylene	19.91	276	35262	2.22	ng	94

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
Data File : BF079161.D
Acq On : 12 May 2015 16:53
Operator : TP/IZ
Sample : G2155-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-42D

Quant Time: May 13 11:49:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 00:53:14 2015
Response via : Initial Calibration

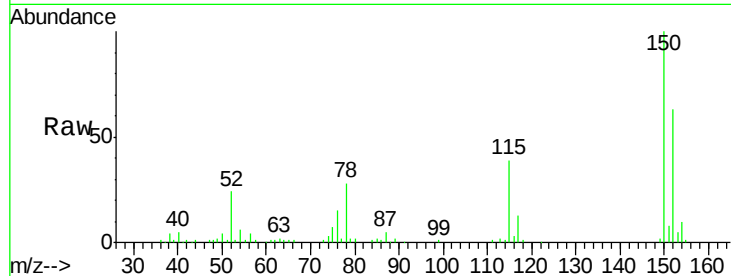




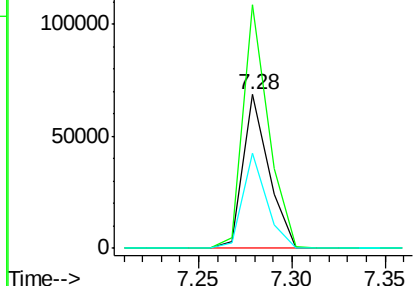
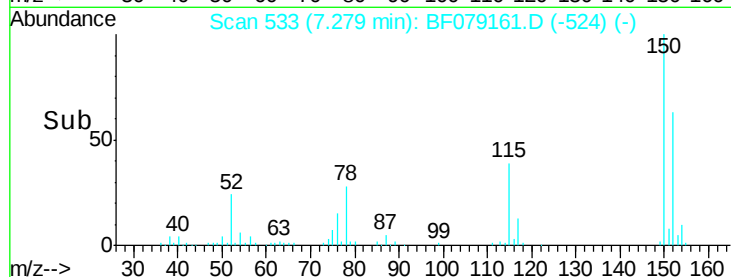
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

Tot Ion:152 Resp: 65917
 Ion Ratio Lower Upper
 152 100
 150 158.4 122.0 183.0
 115 62.2 46.3 69.5

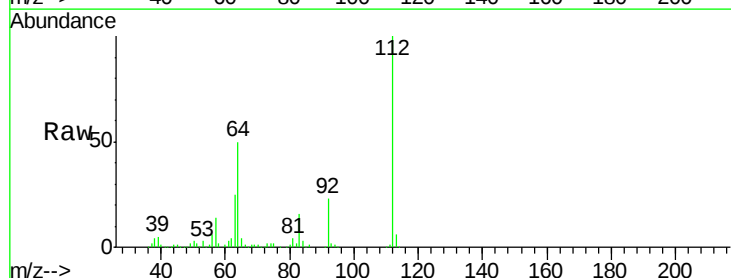


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

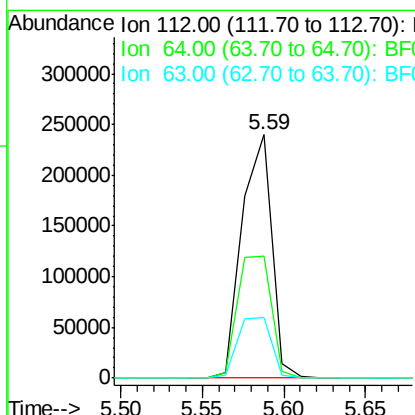
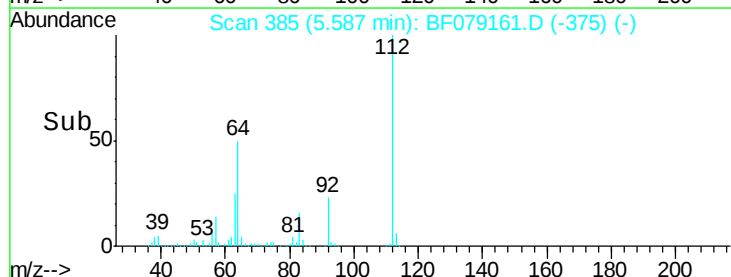


#5
 2-Fluorophenol
 Concen: 79.20 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Tgt Ion:112 Resp: 303303
 Ion Ratio Lower Upper
 112 100
 64 50.4 53.5 80.3#
 63 24.7 27.5 41.3#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.75 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Instrument :

BNA_F

ClientSampleId :

SB-42D

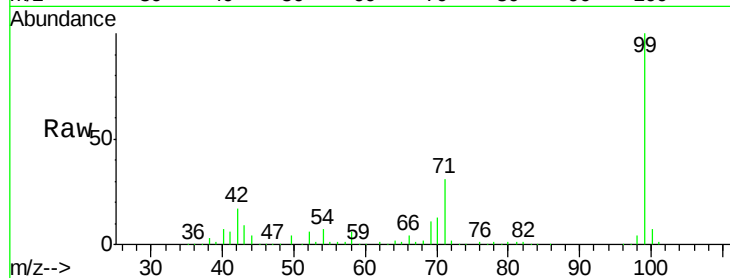
Tot Ion: 99 Resp: 398611

Ion Ratio Lower Upper

99 100

42 17.1 12.8 19.2

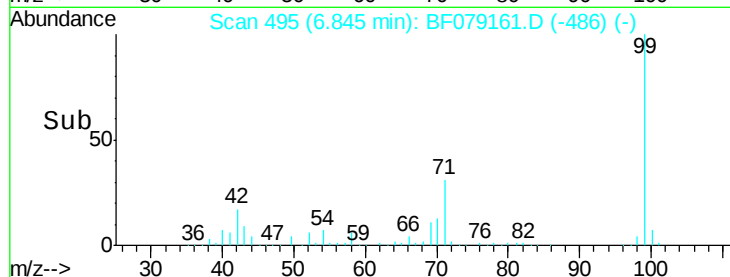
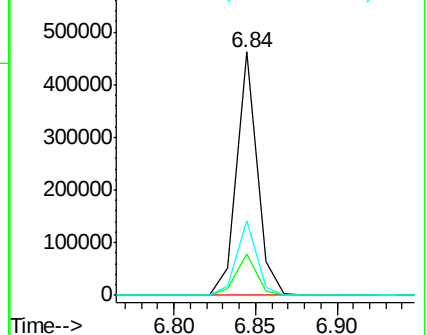
71 30.7 23.4 35.2



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: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Tgt Ion: 136 Resp: 275885

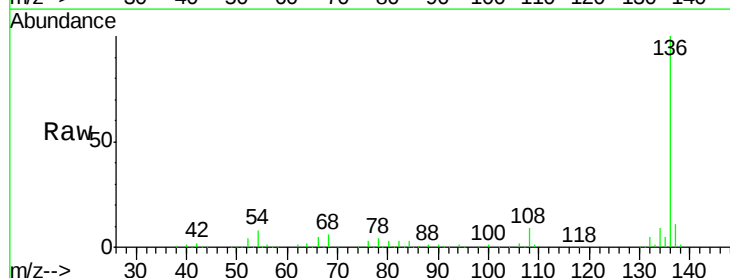
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.5 5.8 8.8

68 6.4 4.2 6.4#

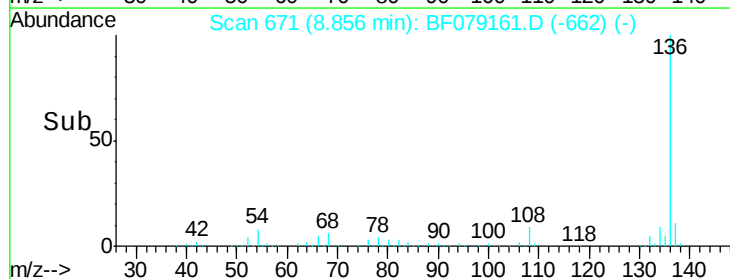
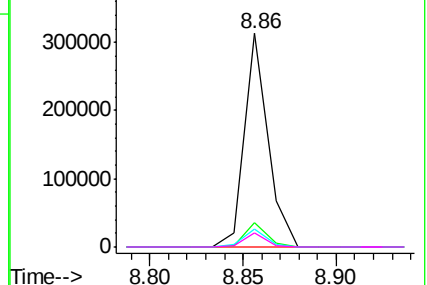


Abundance Ion 136.00 (135.70 to 136.70): E

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

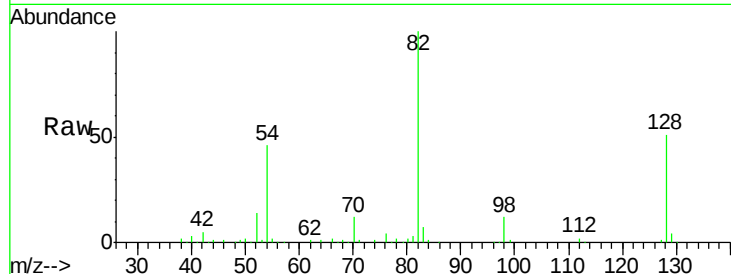




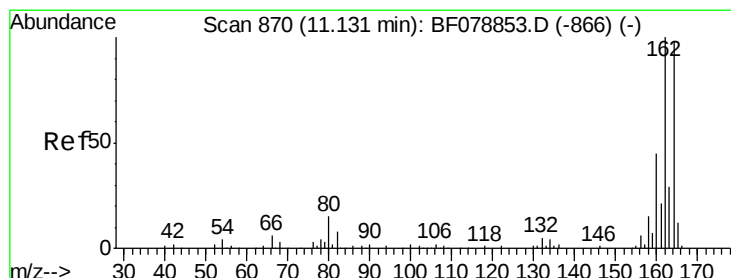
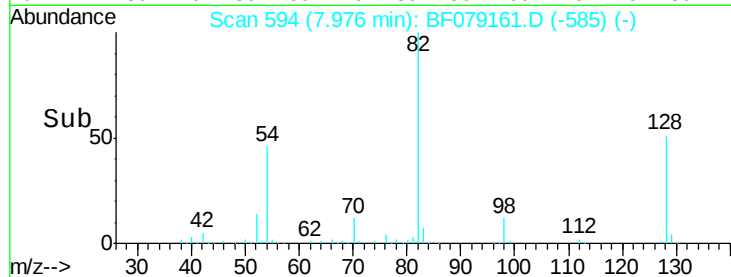
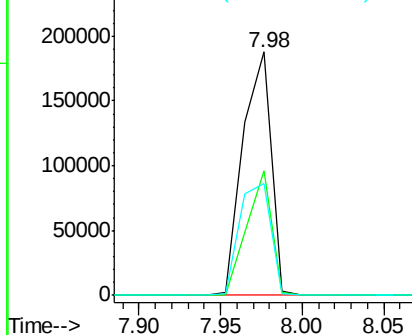
#23
 Nitrobenzene-d5
 Concen: 46.96 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleID :
 SB-42D

Tot Ion: 82 Resp: 225427
 Ion Ratio Lower Upper
 82 100
 128 51.0 30.0 45.0#
 54 45.7 46.4 69.6#

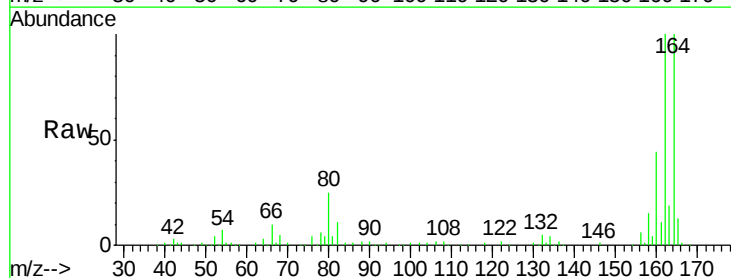


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

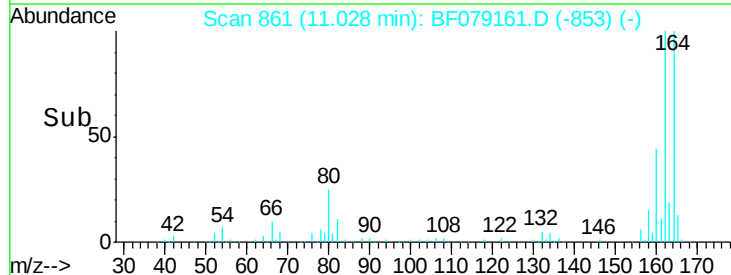
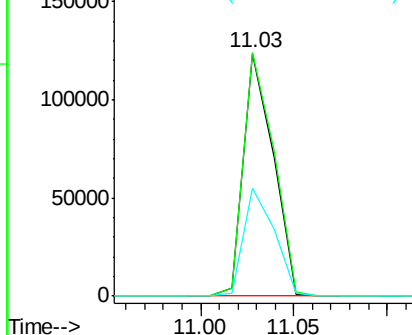


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Tgt Ion:164 Resp: 137095
 Ion Ratio Lower Upper
 164 100
 162 100.2 82.7 124.1
 160 44.4 35.8 53.8



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

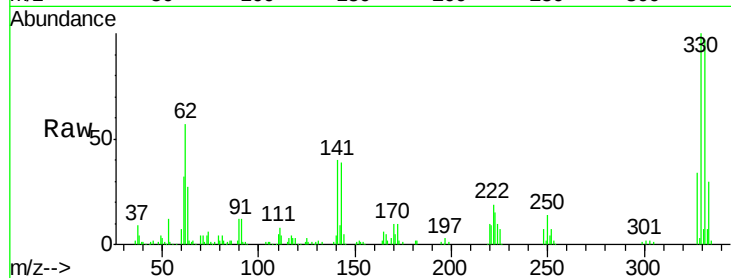




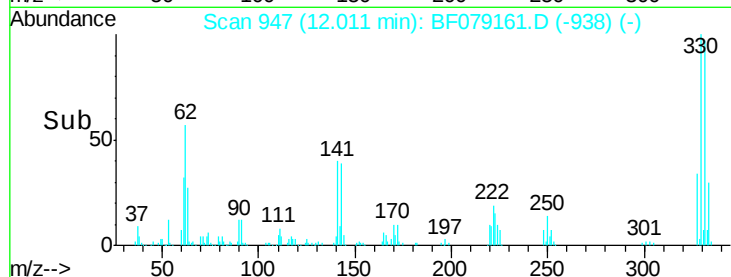
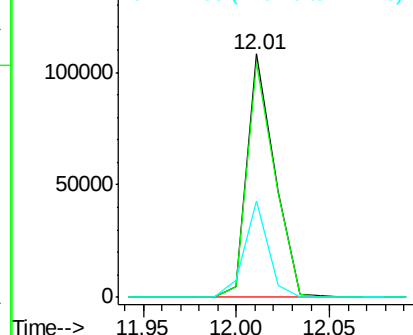
#41
 2,4,6-Tribromophenol
 Concen: 74.76 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	0.0	0.0#
141	34.6	0.0	0.0#

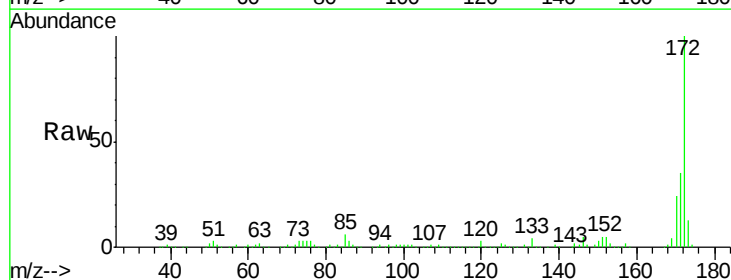


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

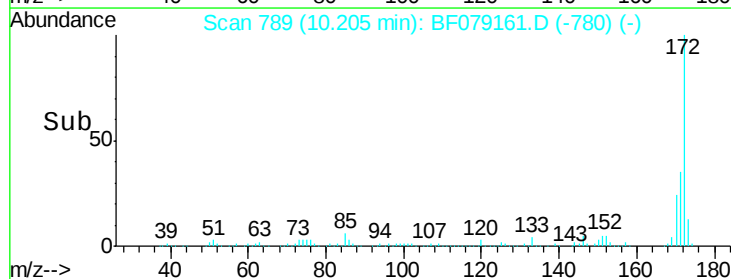
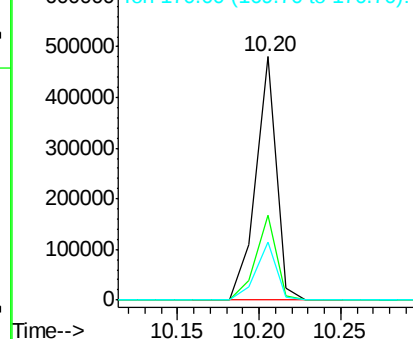


#44
 2-Fluorobiphenyl
 Concen: 42.88 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.6	19.4	29.0



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

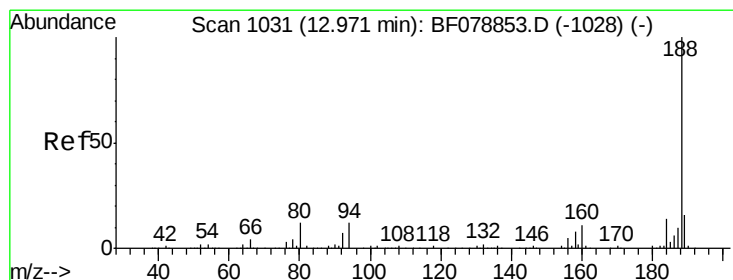
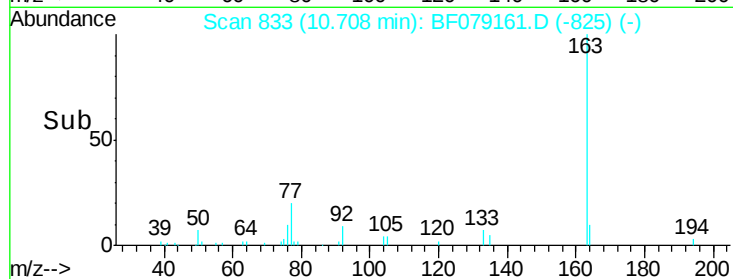
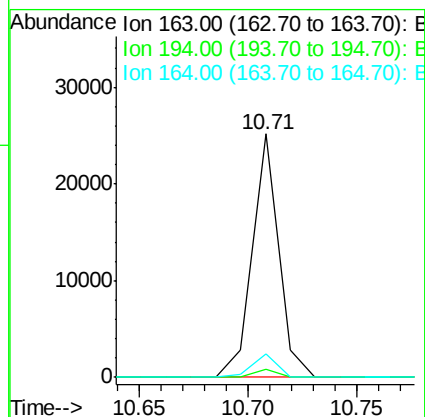
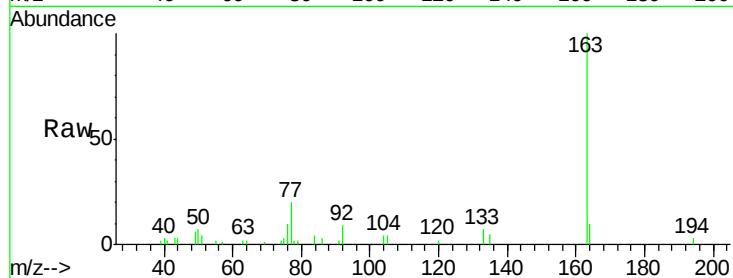




#49
Dimethylphthalate
Concen: 2.10 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

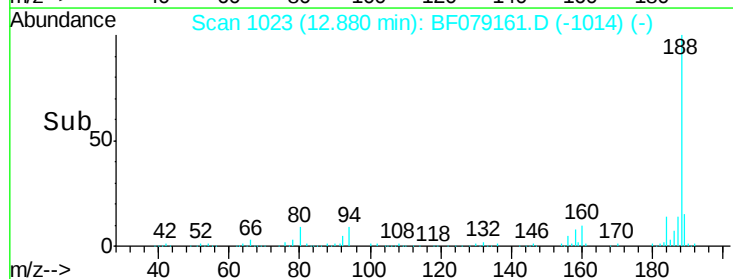
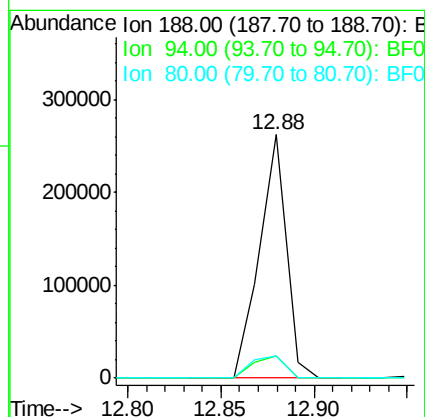
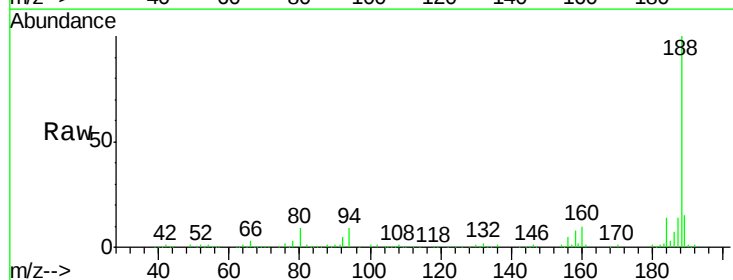
Instrument :
BNA_F
ClientSampleId :
SB-42D

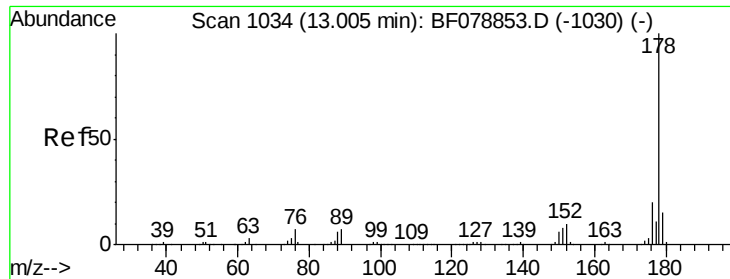
Tot Ion:163 Resp: 21084
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.6 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Tgt Ion:188 Resp: 261039
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 9.0 8.9 13.3

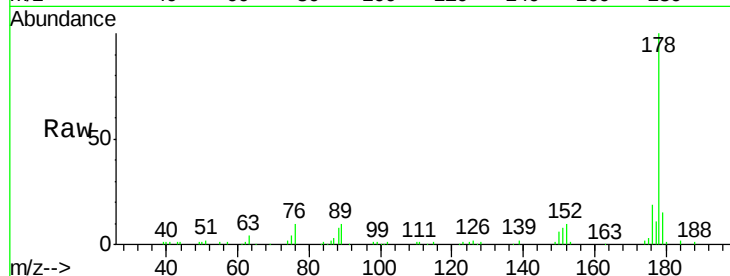




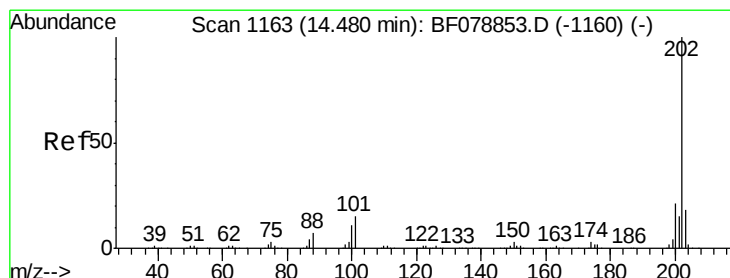
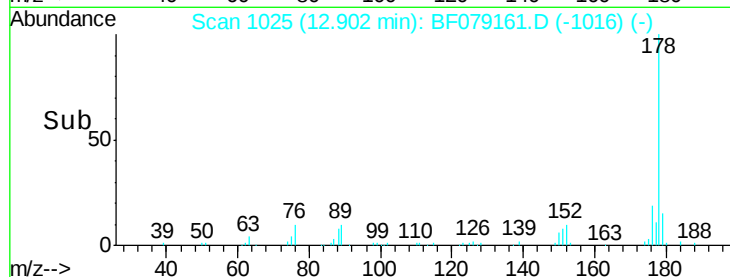
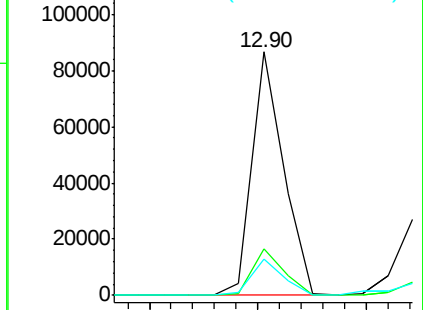
#70
Phenanthrene
Concen: 5.99 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Instrument :
BNA_F
ClientSampleId :
SB-42D

Tot Ion:178 Resp: 87416
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.0 12.5 18.7

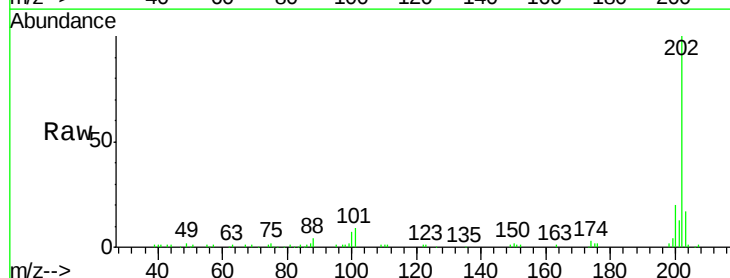


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

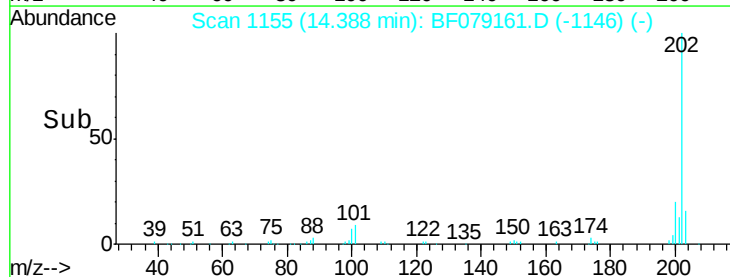
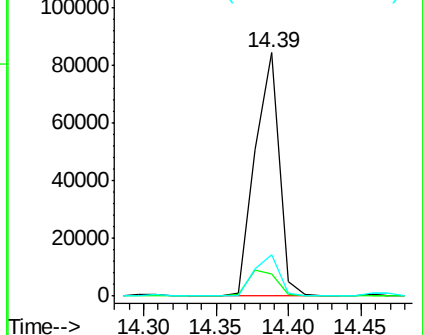


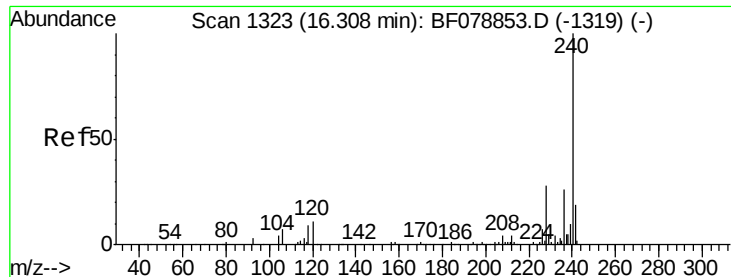
#74
Fluoranthene
Concen: 6.44 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Tgt Ion:202 Resp: 97993
Ion Ratio Lower Upper
202 100
101 9.1 0.0 34.6
203 16.8 0.0 38.4



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: 16.21 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Instrument :

BNA_F

ClientSampleId :

SB-42D

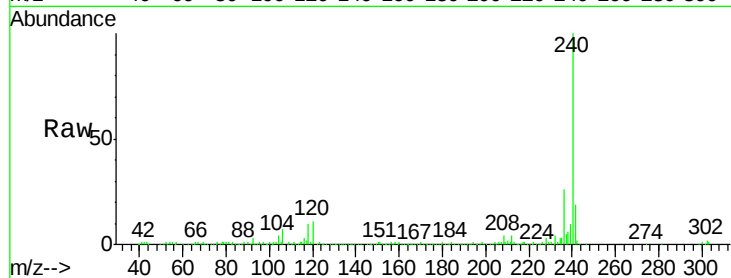
Tot Ion:240 Resp: 270620

Ion Ratio Lower Upper

240 100

120 11.4 9.7 14.5

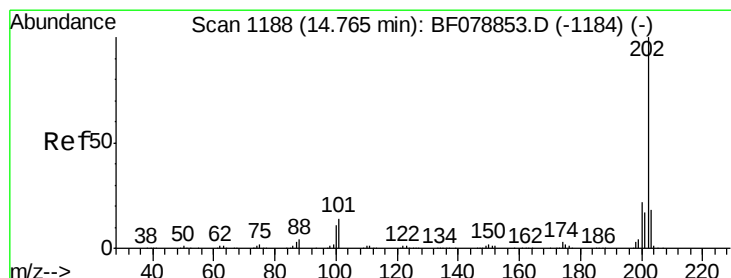
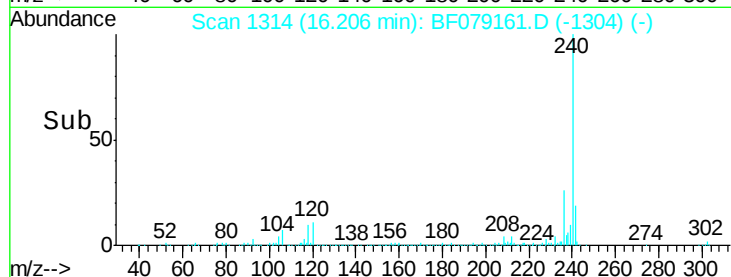
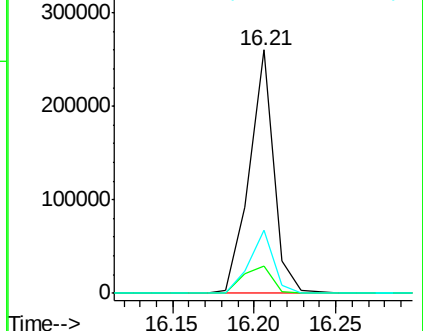
236 26.1 20.2 30.4



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: 6.66 ng

RT: 14.66 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

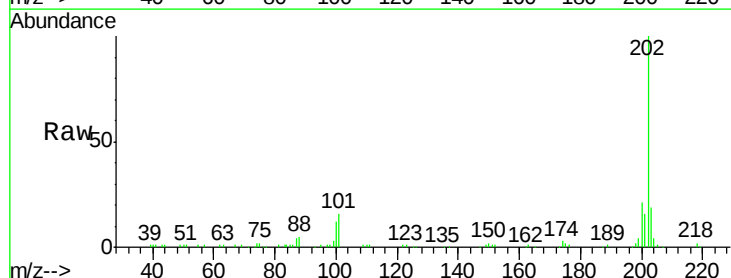
Tgt Ion:202 Resp: 103816

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

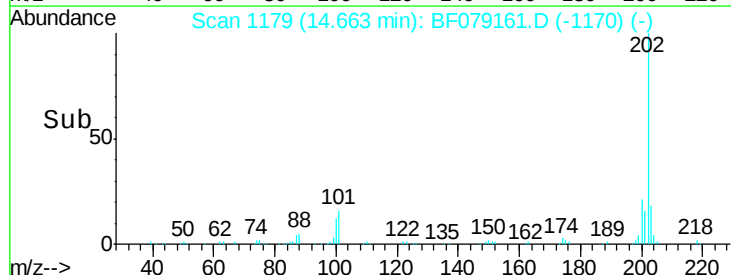
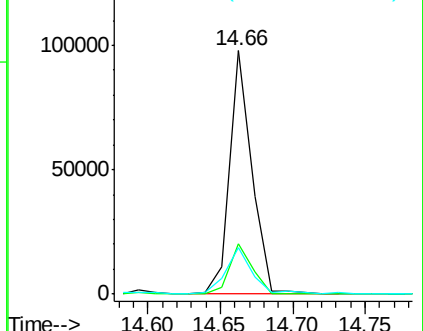
203 19.1 13.9 20.9

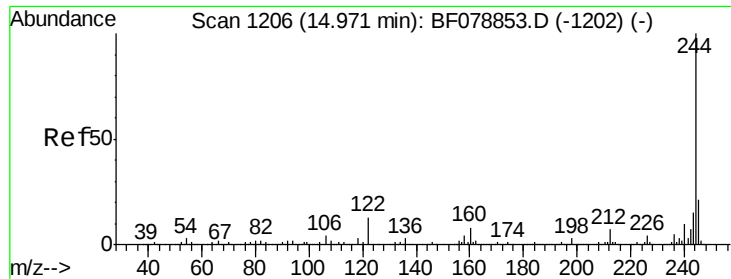


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.30 ng

RT: 14.88 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Instrument :

BNA_F

ClientSampleId :

SB-42D

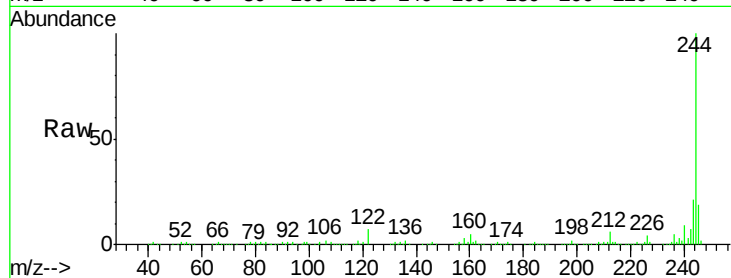
Tot Ion:244 Resp: 432873

Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

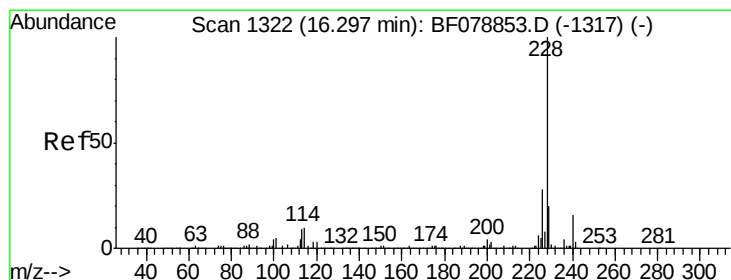
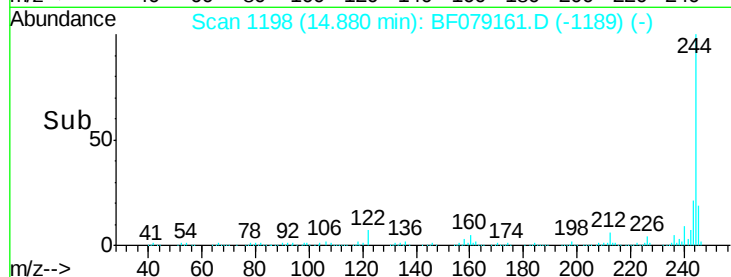
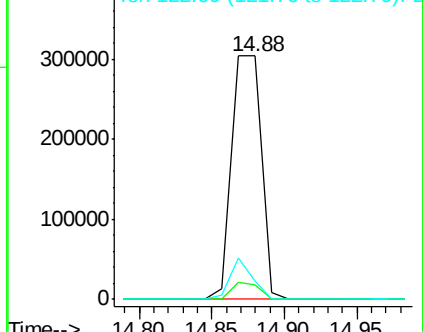
122 7.5 10.3 15.5#



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: 3.23 ng m

RT: 16.19 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

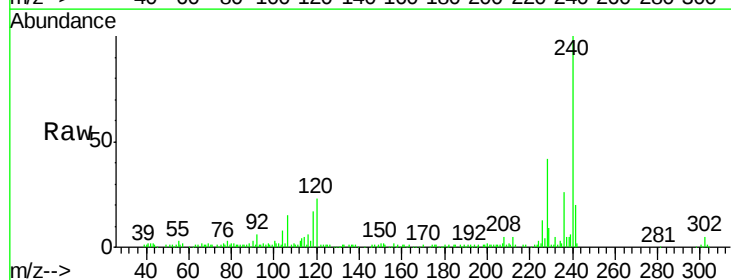
Tgt Ion:228 Resp: 47880

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

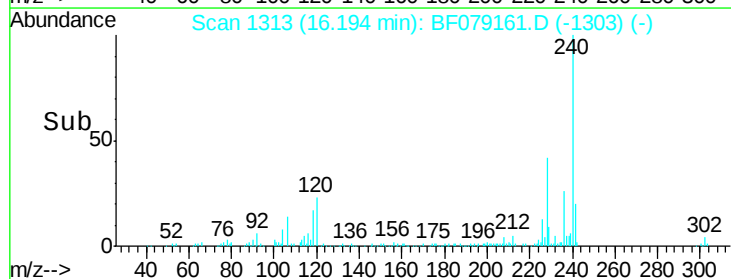
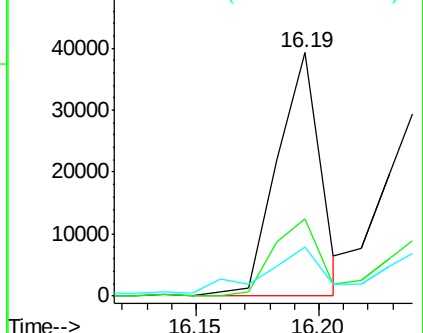
229 20.3 15.9 23.9

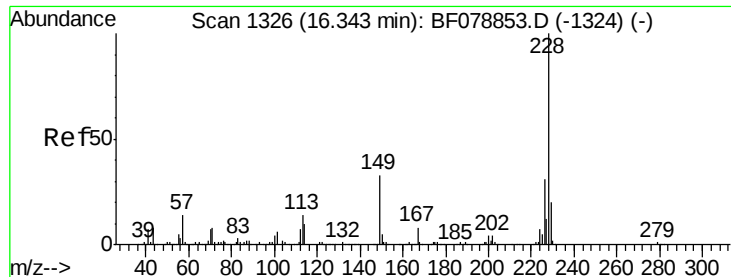


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.07 ng/mL

RT: 16.24 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Instrument :

BNA_F

ClientSampleID :

SB-42D

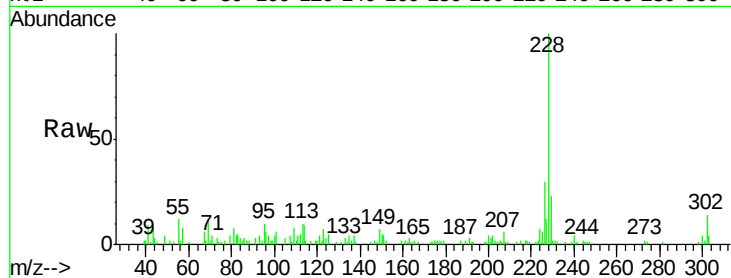
Tot Ion:228 Resp: 43795

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

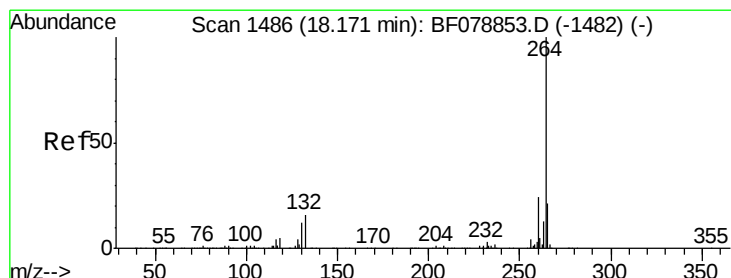
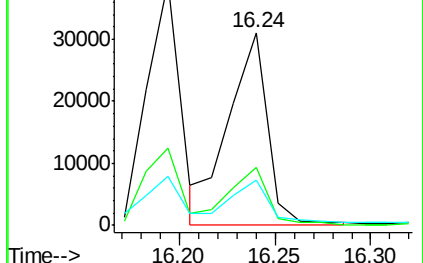
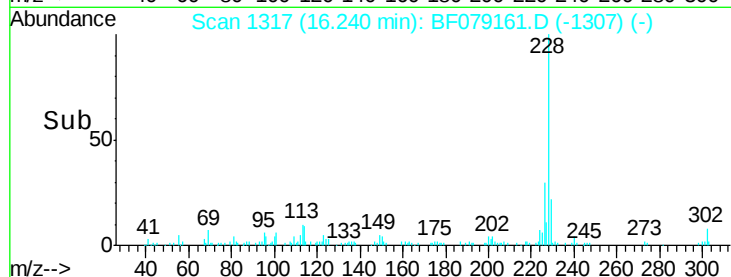
229 23.4 16.0 24.0



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: 18.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

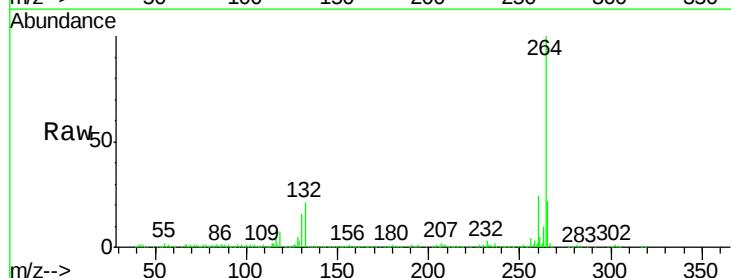
Tgt Ion:264 Resp: 295591

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

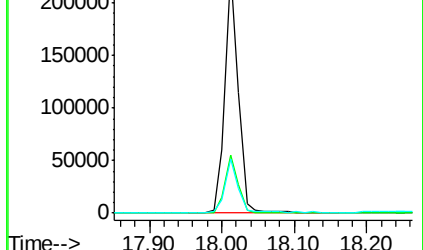
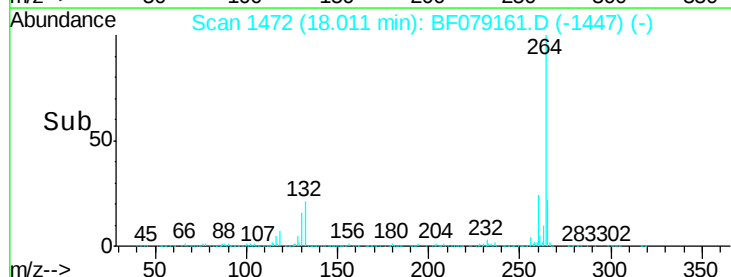
265 22.0 18.3 27.5

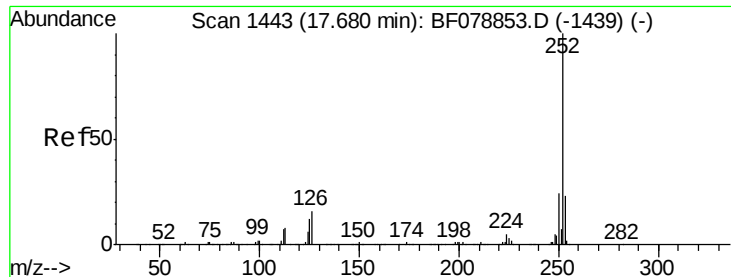


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

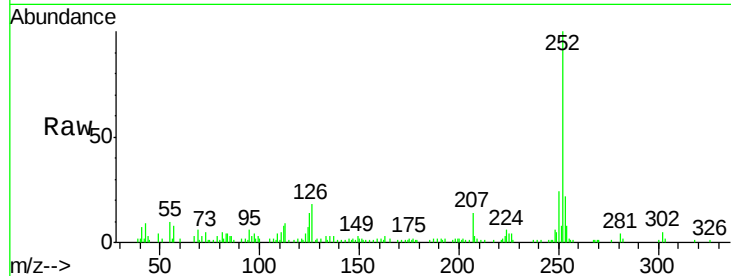




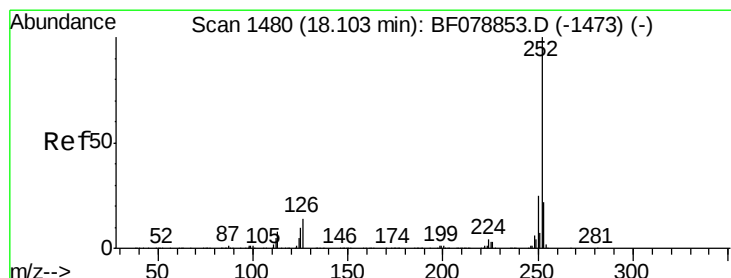
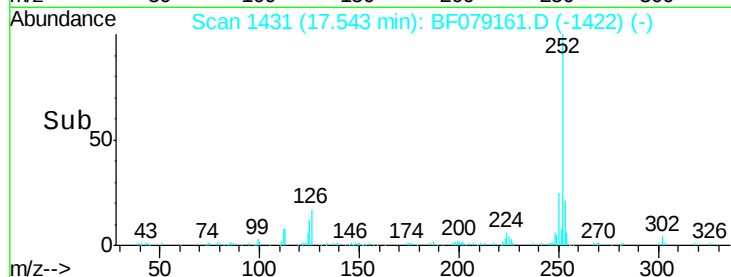
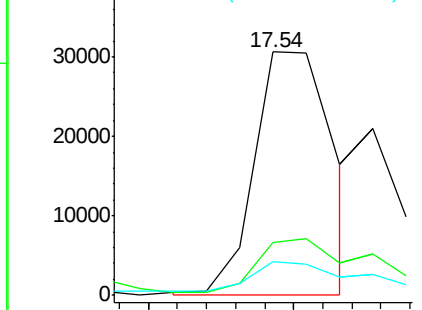
#87
Benzo(b)fluoranthene
Concen: 3.56 ng m
RT: 17.54 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Instrument :
BNA_F
ClientSampleId :
SB-42D

Tot Ion:252 Resp: 57601
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 13.6 9.5 14.3

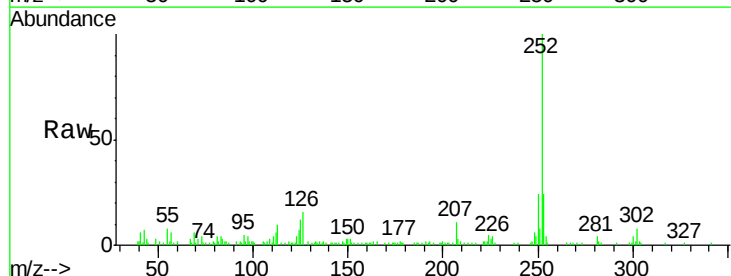


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

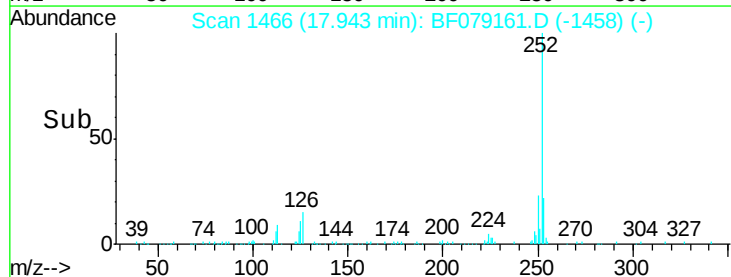
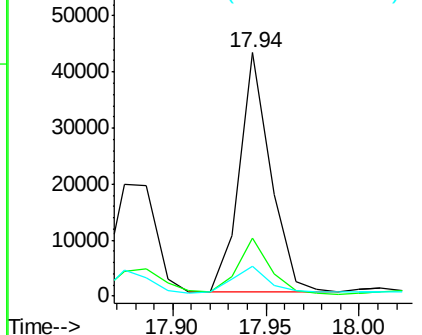


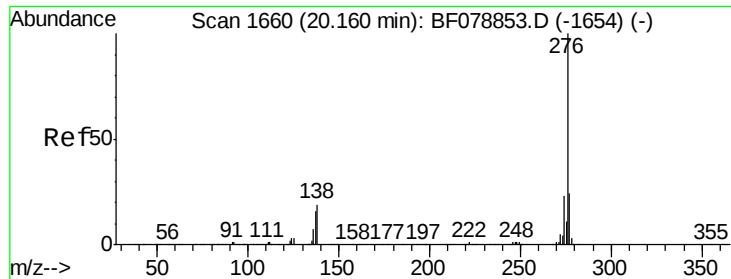
#89
Benzo(a)pyrene
Concen: 3.33 ng
RT: 17.94 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Tgt Ion:252 Resp: 49646
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 12.2 7.0 10.6#



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(a,h,i)perylene
 Concen: 2.22 ng
 RT: 19.91 min Scan# 1638
 Delta R.T. -0.02 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	25.2	17.4	26.0

