

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 01:13:28 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

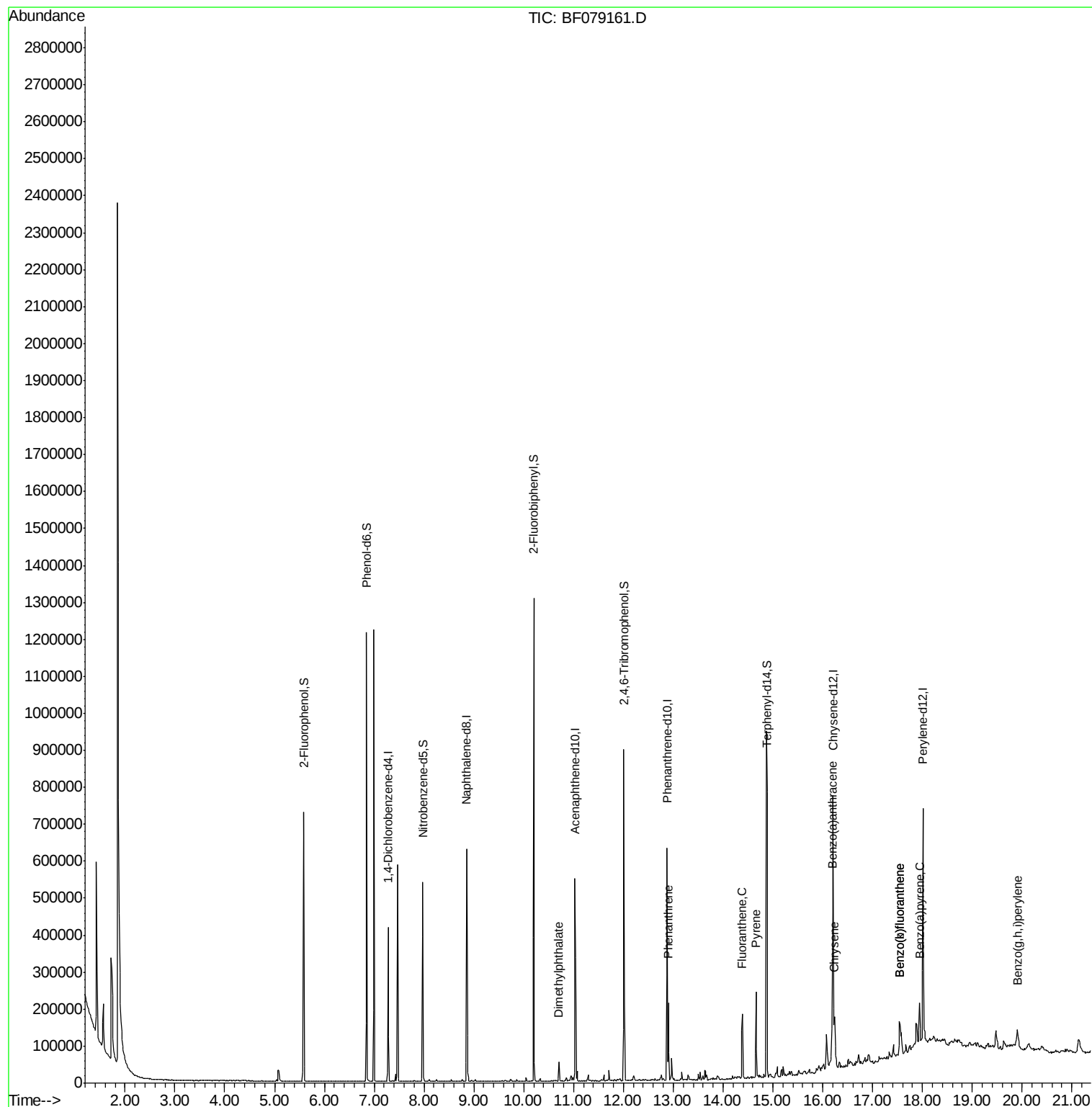
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	65917	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	275885	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	137095	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	261039	20.00	ng	0.00
75) Chrysene-d12	16.21	240	270620	20.00	ng	0.01
86) Perylene-d12	18.01	264	295591	20.00	ng	-0.01
System Monitoring Compounds						
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						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	53411	3.60	ng	96
82) Chrysene	16.24	228	37151	2.61	ng	96
87) Benzo(b)fluoranthene	17.54	252	78996	4.88	ng	98
88) Benzo(k)fluoranthene	17.54	252	81086	5.18	ng	98
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

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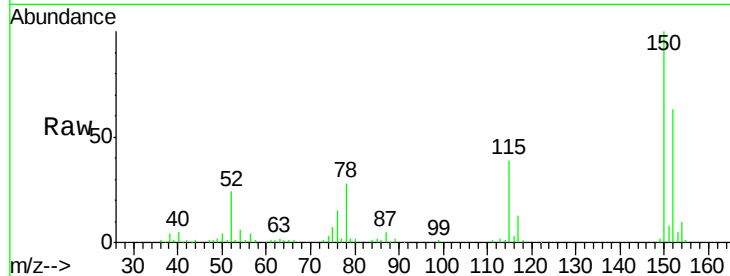




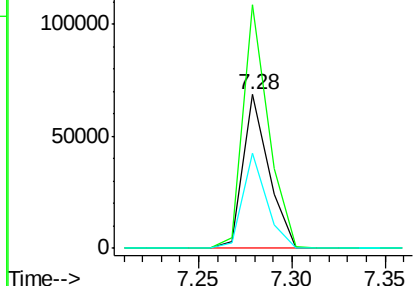
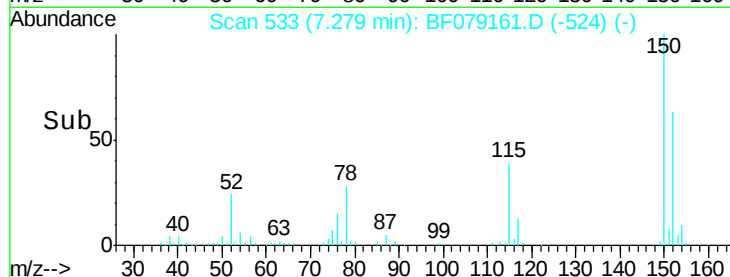
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

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

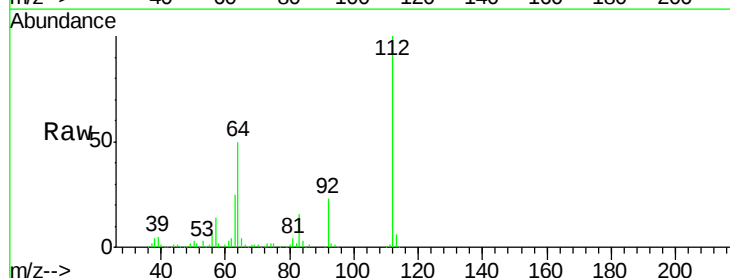


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

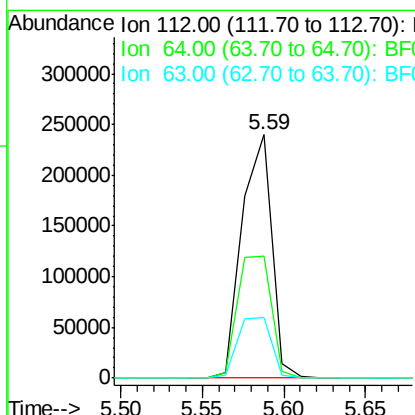
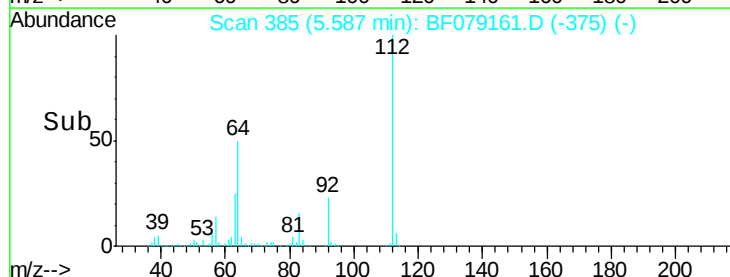


#5
 2-Fluorophenol
 Concen: 79.20 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

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

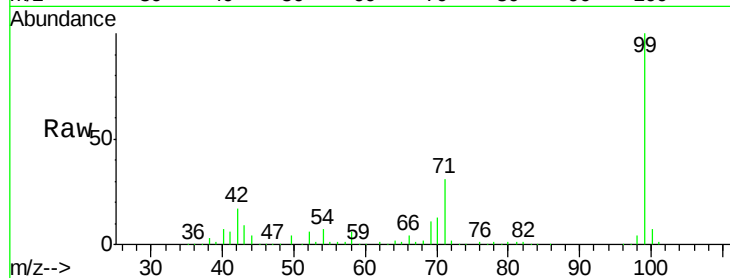
Tgt Ion: 99 Resp: 398611

Ion Ratio Lower Upper

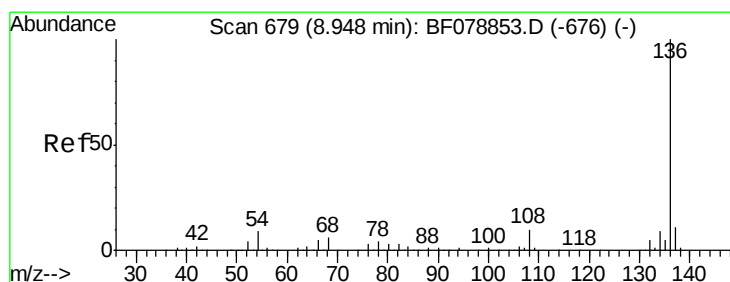
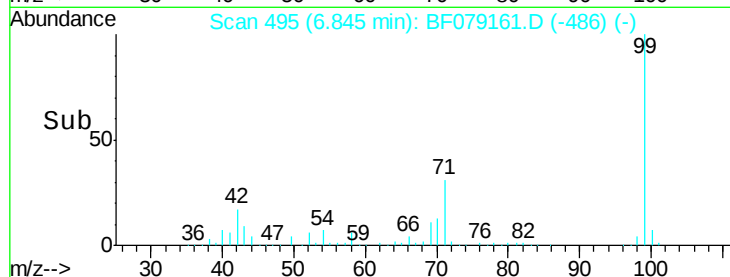
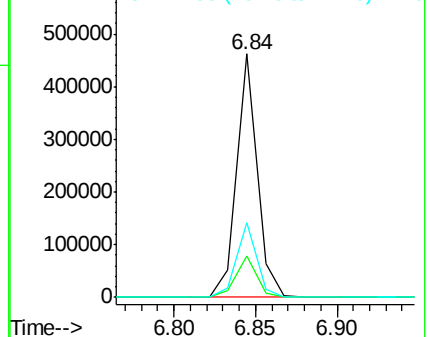
99 100

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

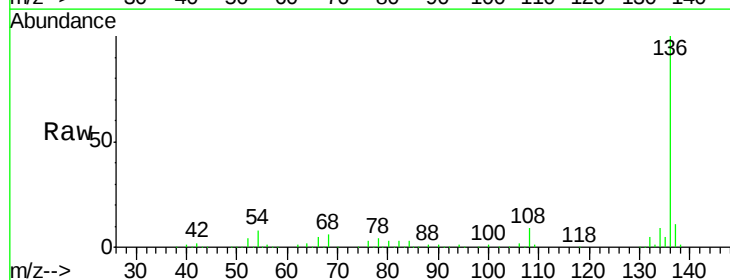
Ion Ratio Lower Upper

136 100

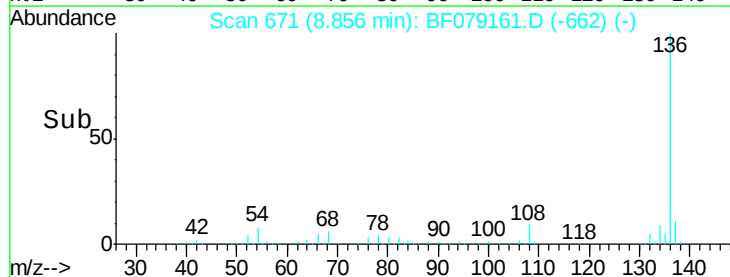
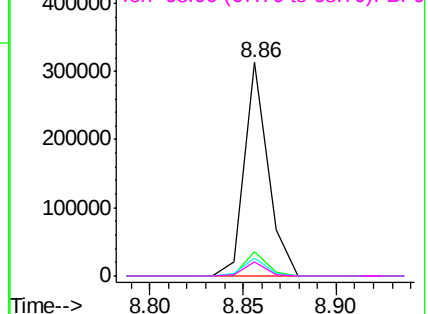
137 11.2 8.7 13.1

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

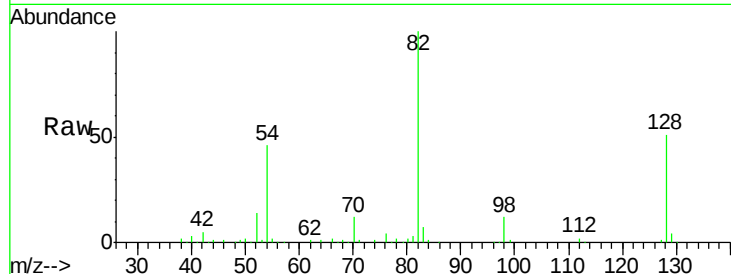




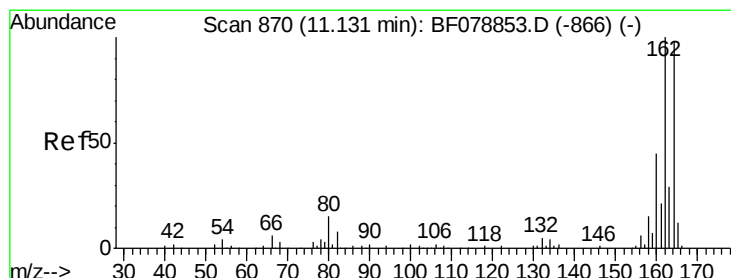
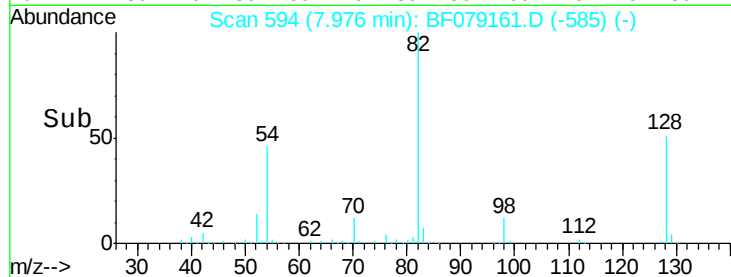
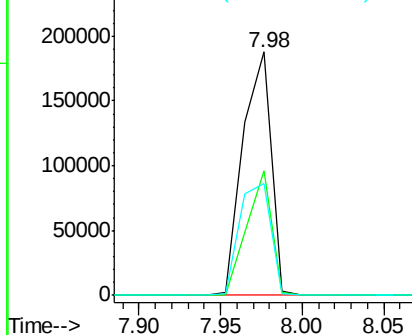
#23
 Nitrobenzene-d5
 Concen: 46.96 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleID :
 SB-42D

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

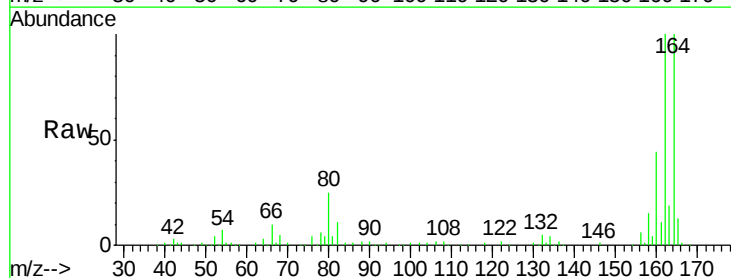


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

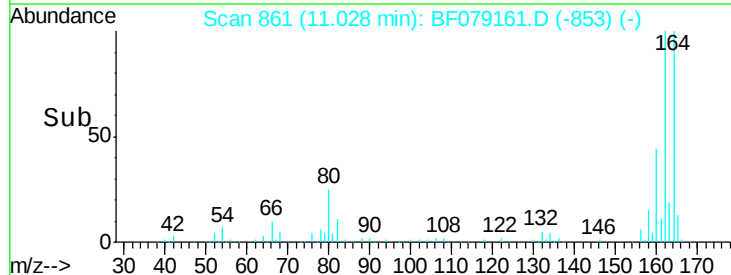
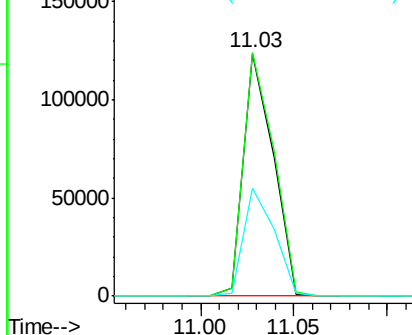


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

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

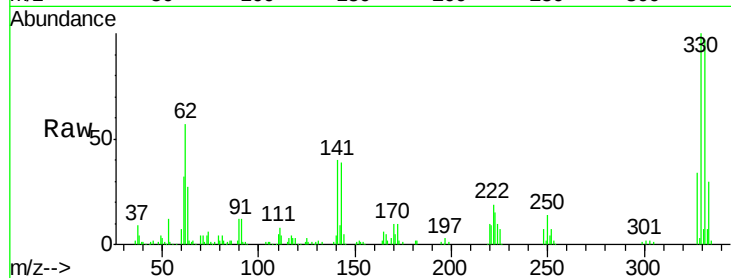




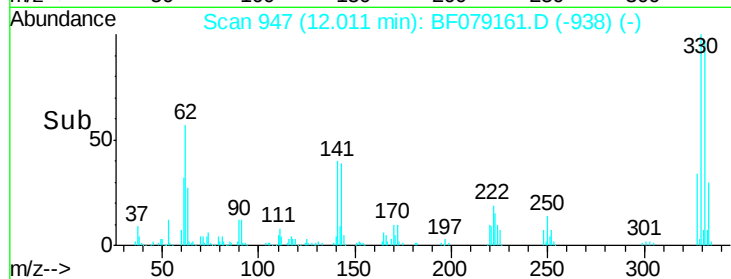
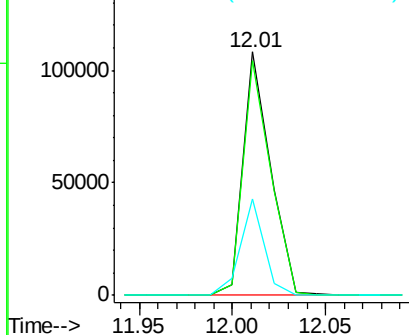
#41
 2,4,6-Tribromophenol
 Concen: 74.76 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-42D

Tgt Ion:330 Resp: 110879
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 34.6 0.0 0.0#

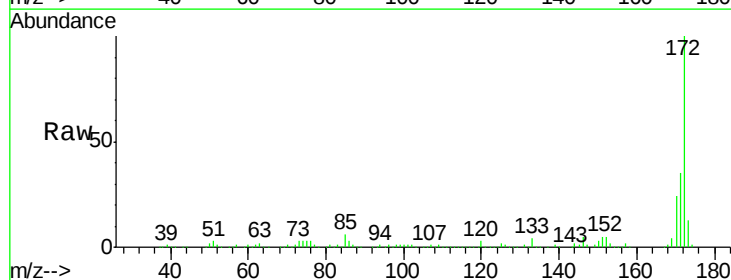


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

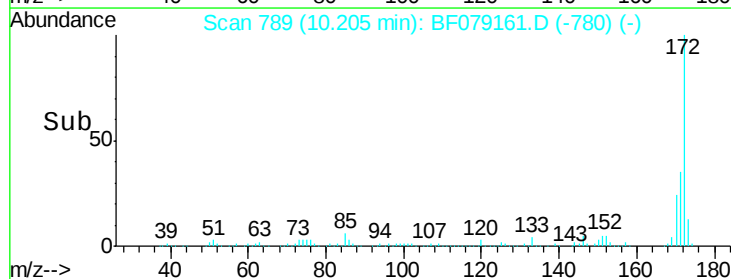
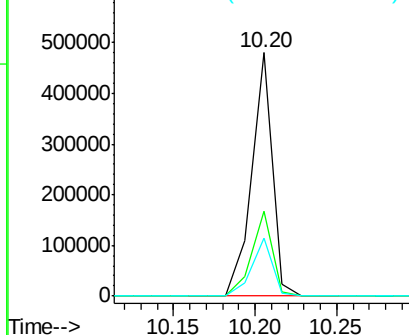


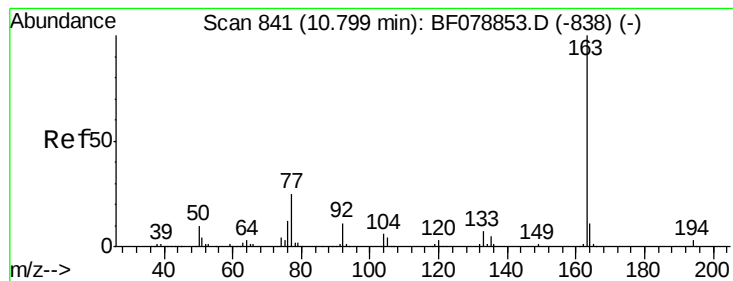
#44
 2-Fluorobiphenyl
 Concen: 42.88 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079161.D
 Acq: 12 May 2015 16:53

Tgt Ion:172 Resp: 421912
 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

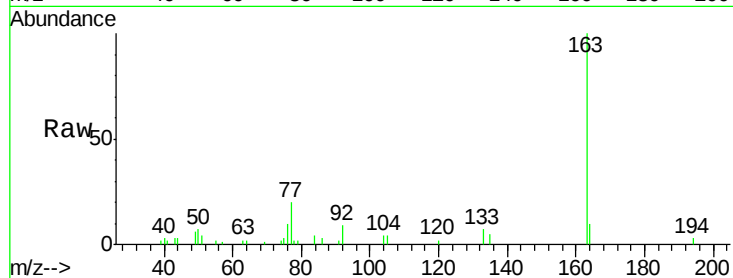
Tgt Ion:163 Resp: 21084

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

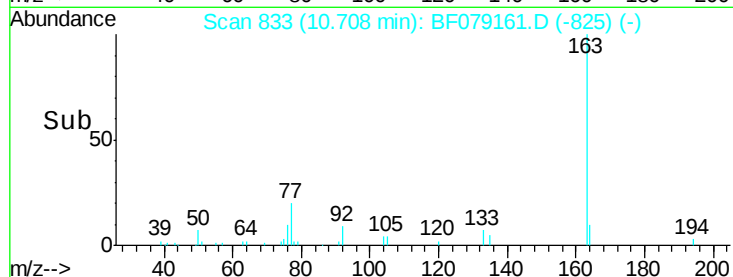
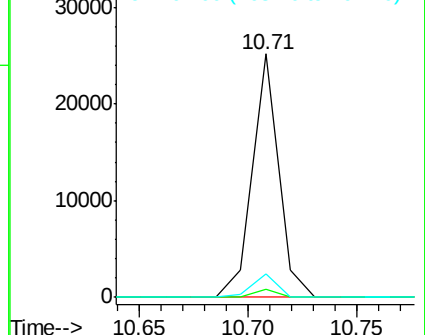
164 9.6 8.1 12.1



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: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

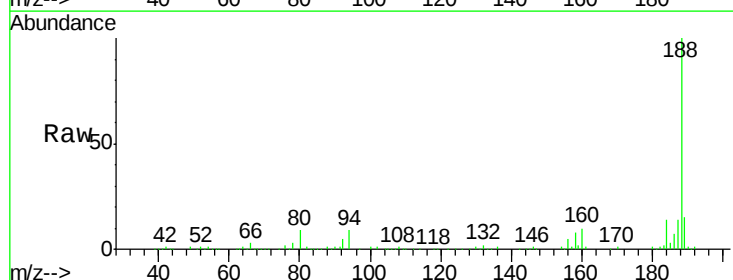
Tgt Ion:188 Resp: 261039

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

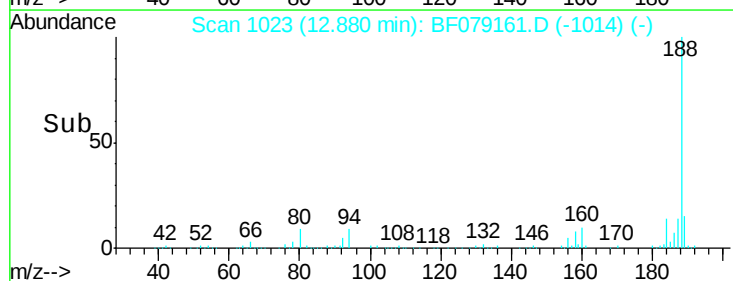
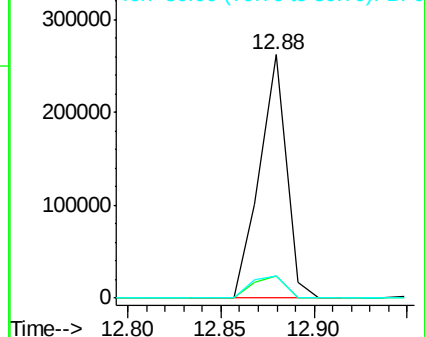
80 9.0 8.9 13.3

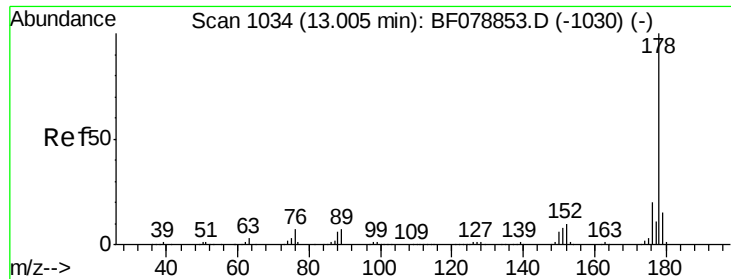


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

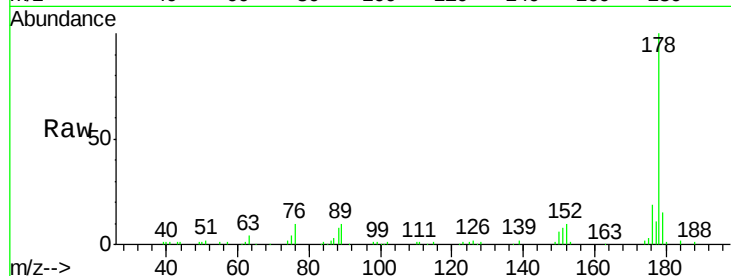




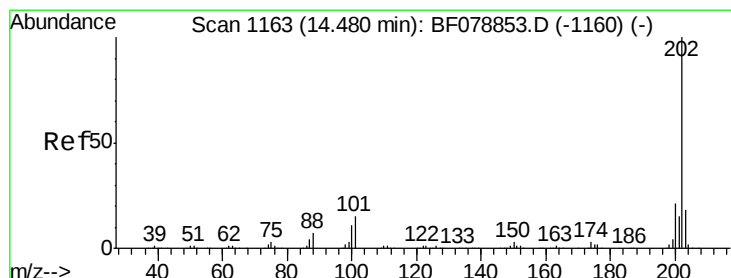
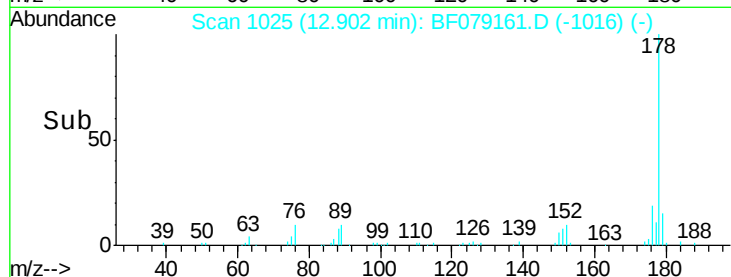
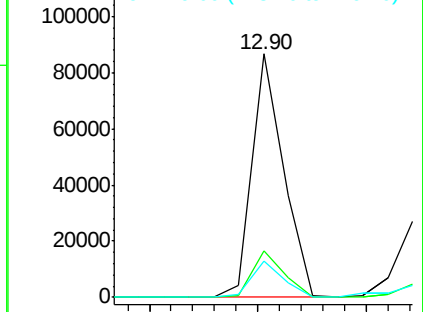
#70
Phenanthrene
Concen: 5.99 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

Instrument :
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ClientSampleId :
SB-42D

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

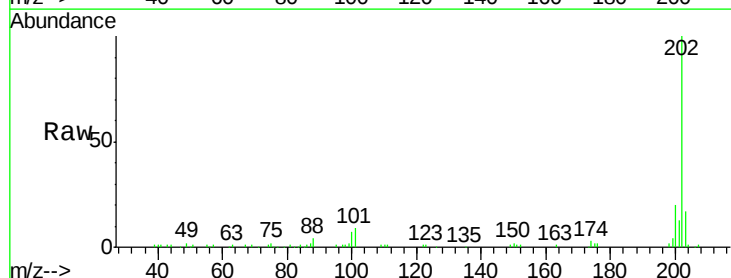


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

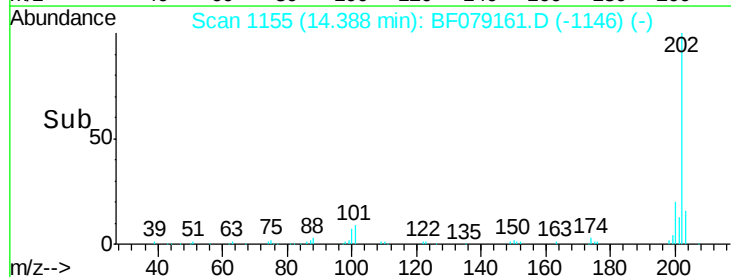
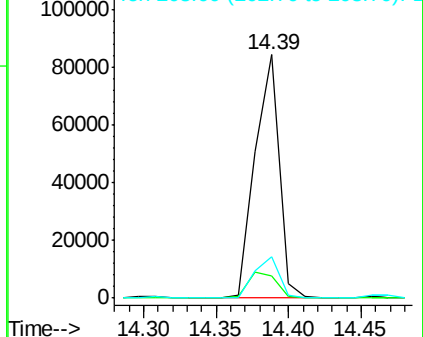


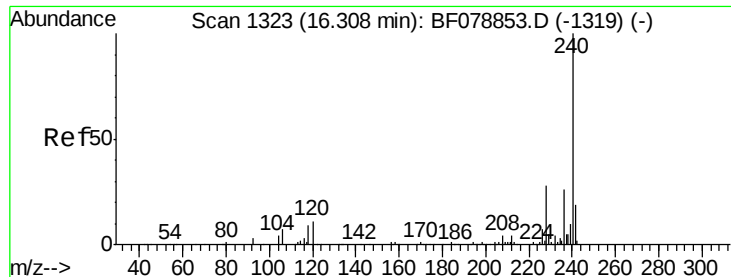
#74
Fluoranthene
Concen: 6.44 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079161.D
Acq: 12 May 2015 16:53

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

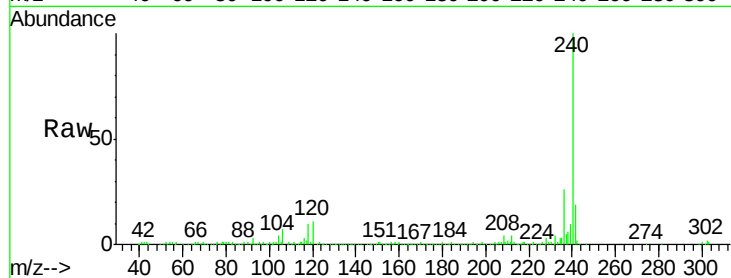
Tgt Ion:240 Resp: 270620

Ion Ratio Lower Upper

240 100

120 11.4 9.7 14.5

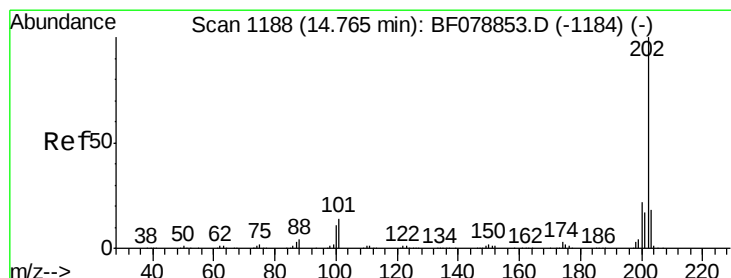
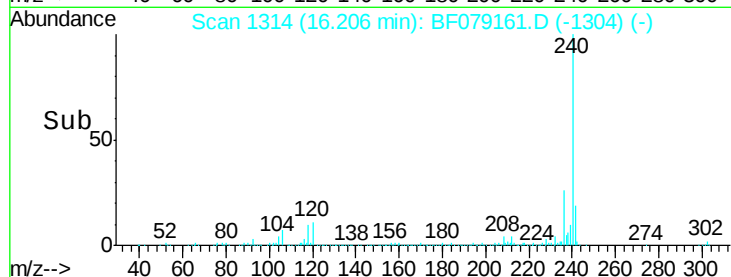
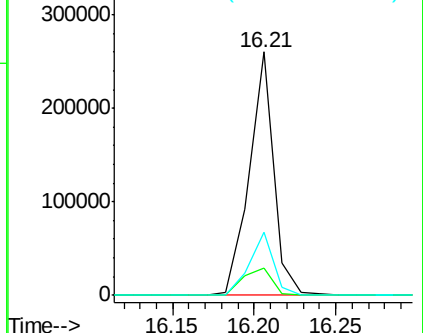
236 26.1 20.2 30.4



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

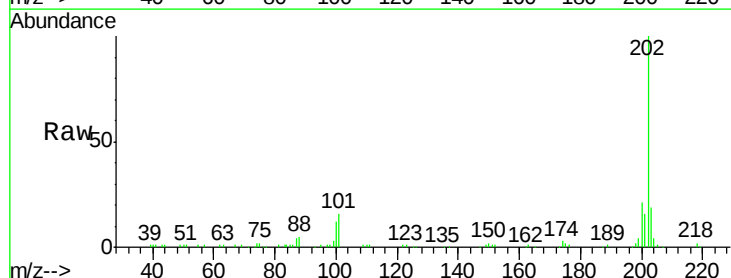
Tgt Ion:202 Resp: 103816

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

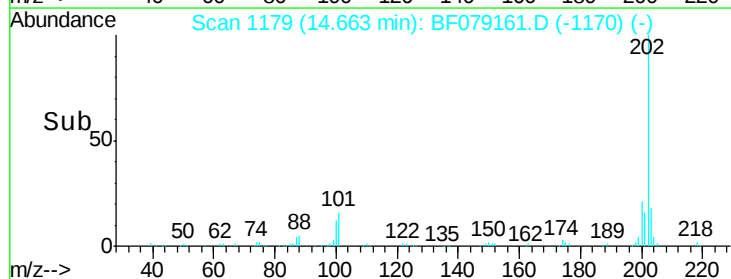
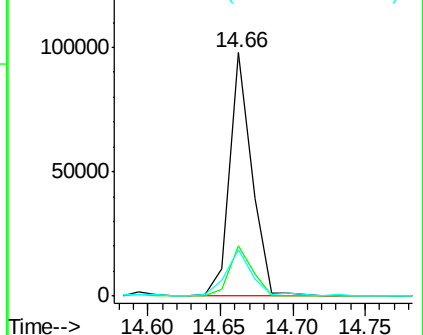
203 19.1 13.9 20.9

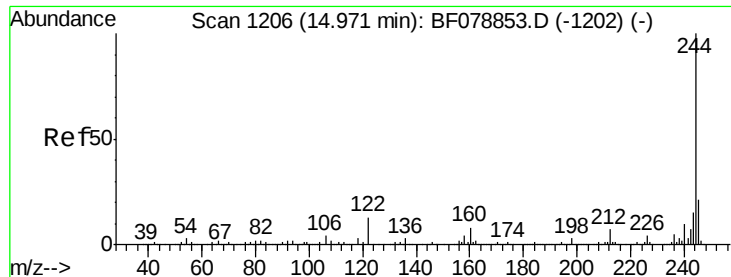


Abundance Ion 202.00 (201.70 to 202.70): E

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

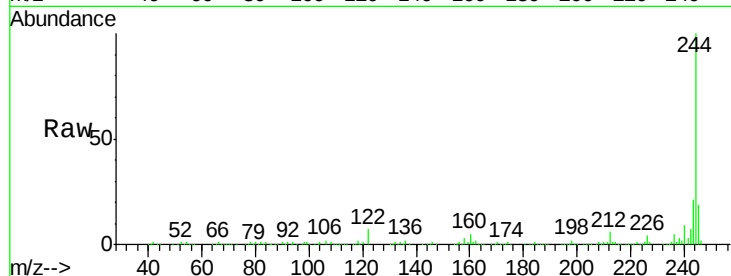
Tgt Ion:244 Resp: 432873

Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

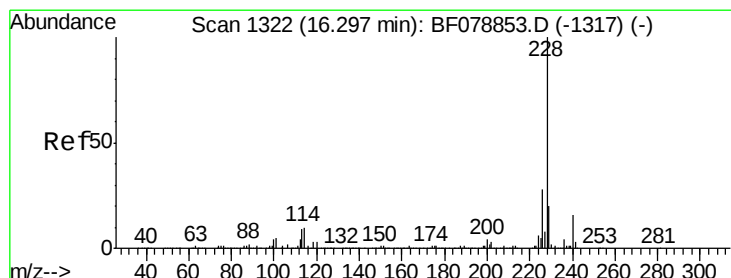
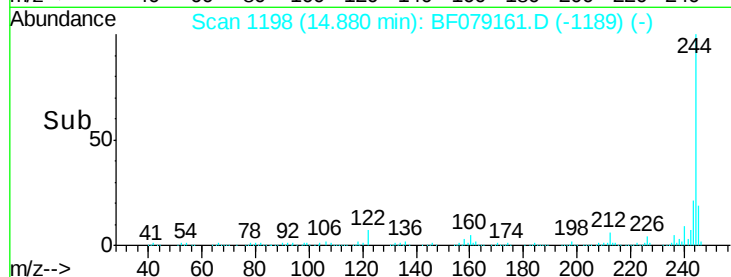
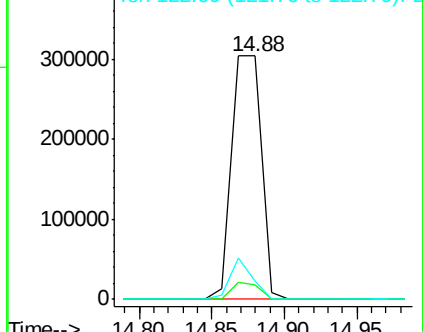
122 7.5 10.3 15.5#



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: 3.60 ng

RT: 16.19 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

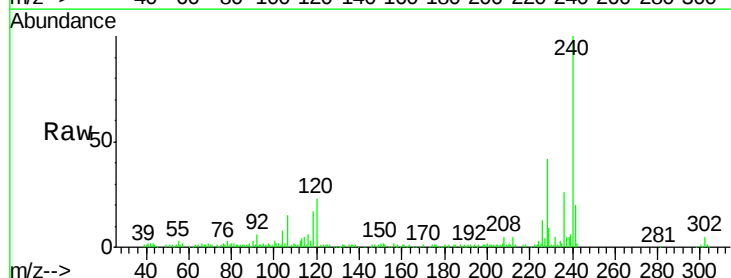
Tgt Ion:228 Resp: 53411

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

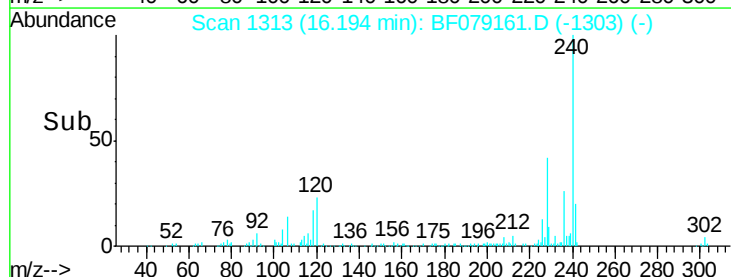
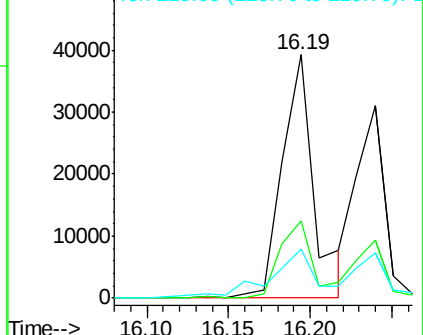
229 20.3 15.9 23.9

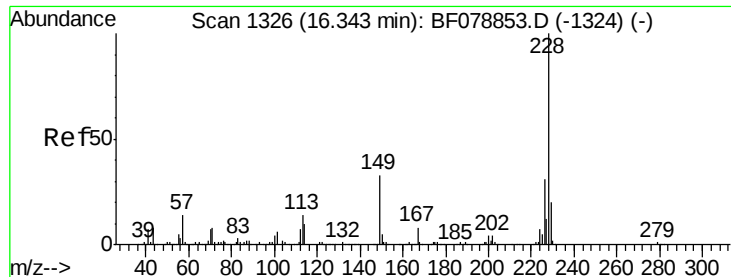


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.61 ng

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

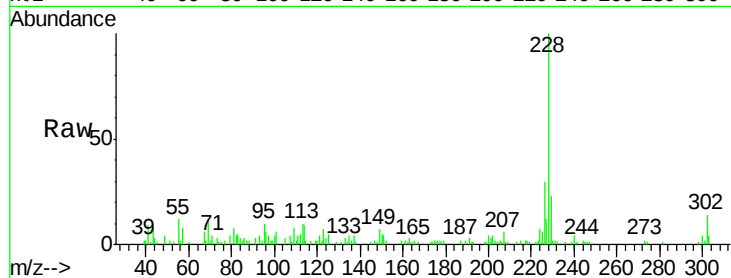
Tgt Ion:228 Resp: 37151

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

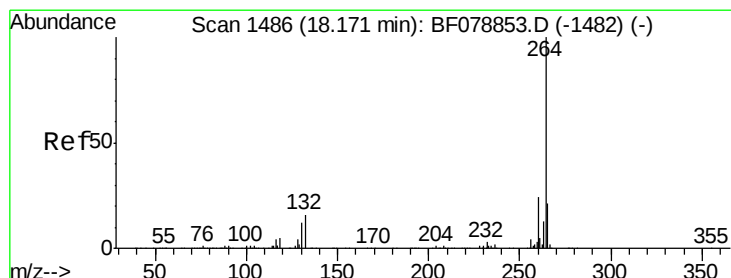
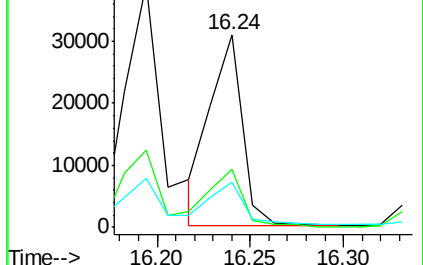
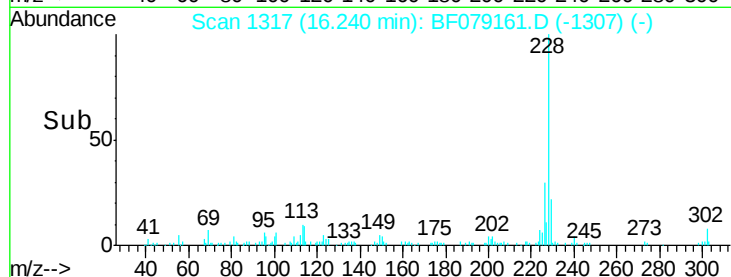
229 23.4 16.0 24.0



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

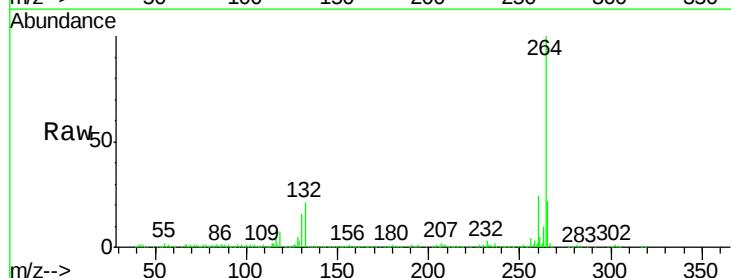
Tgt Ion:264 Resp: 295591

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

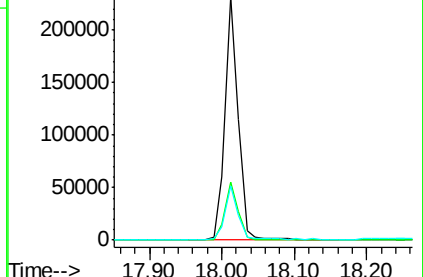
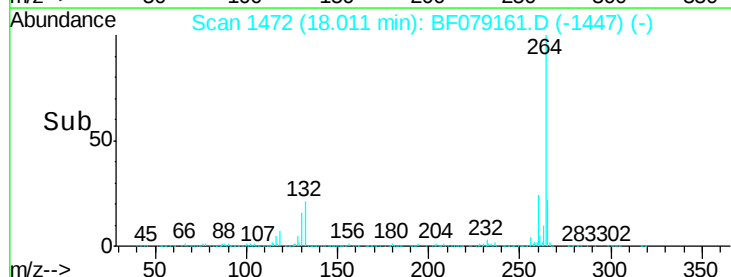
265 22.0 18.3 27.5

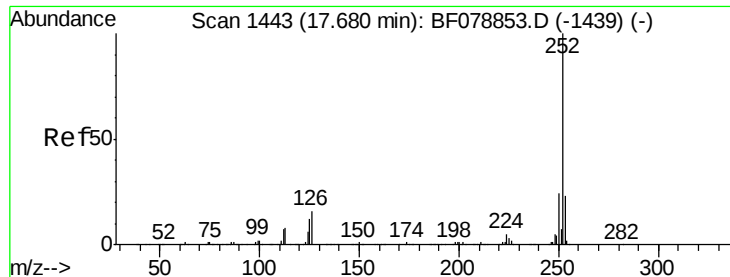


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.88 ng

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

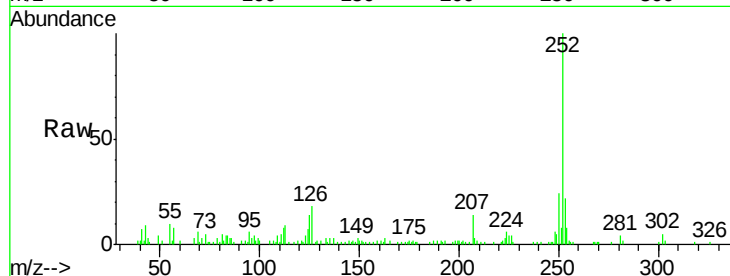
Tgt Ion:252 Resp: 78996

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

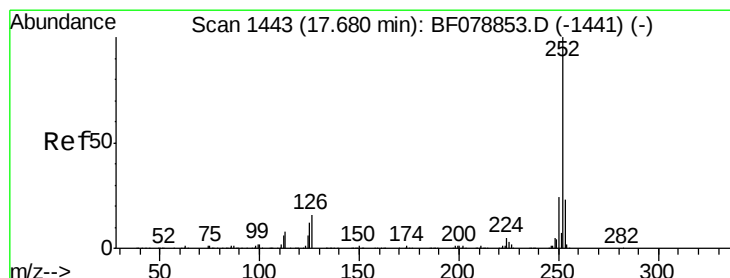
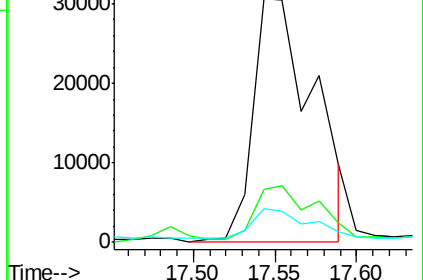
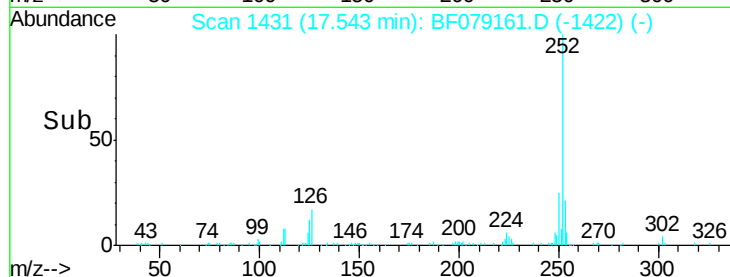
125 13.6 9.5 14.3



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



#88

Benzo(k)fluoranthene

Concen: 5.18 ng

RT: 17.54 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

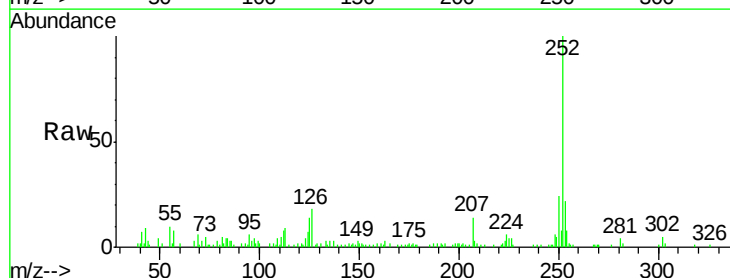
Tgt Ion:252 Resp: 81086

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

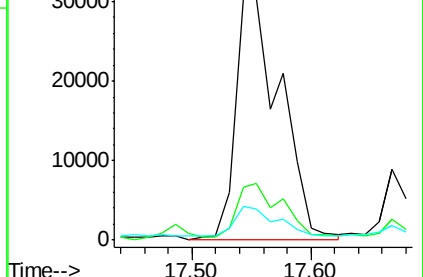
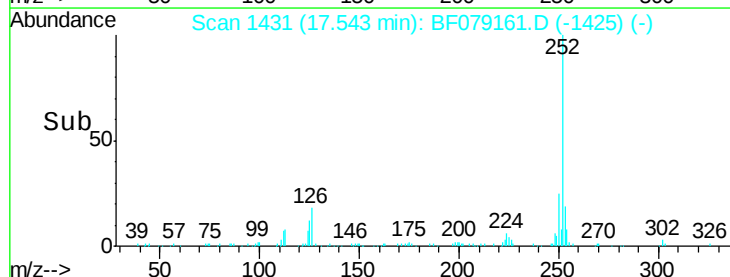
125 13.6 10.0 15.0

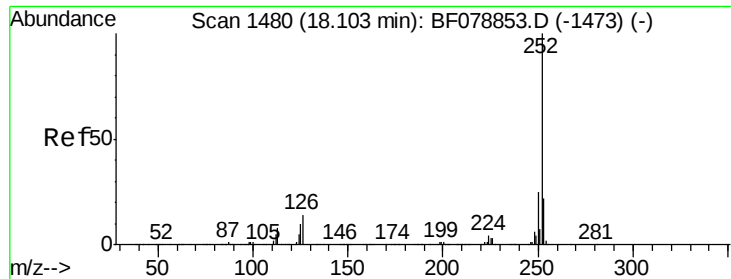


Abundance Ion 252.00 (251.70 to 252.70): E

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

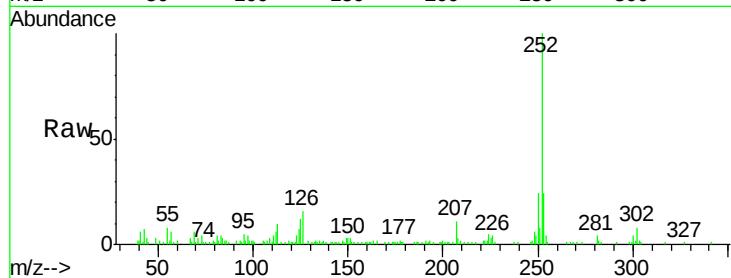
Instrument :

BNA_F

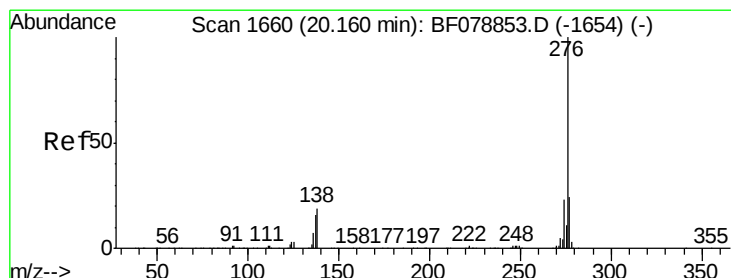
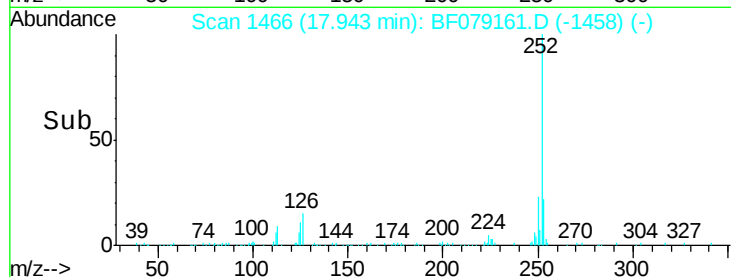
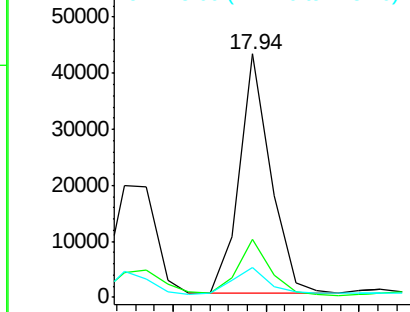
ClientSampleId :

SB-42D

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(g,h,i)perylene

Concen: 2.22 ng

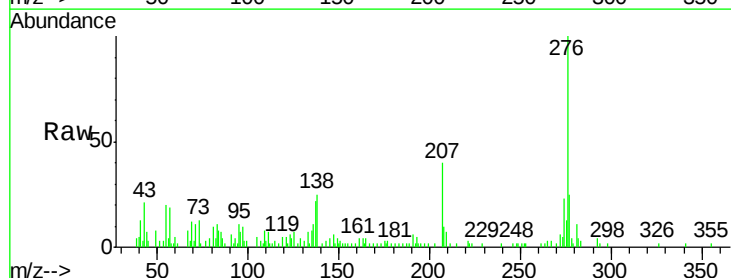
RT: 19.91 min Scan# 1638

Delta R.T. -0.02 min

Lab File: BF079161.D

Acq: 12 May 2015 16:53

Tgt Ion:	276	Resp:	35262
Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	25.2	17.4	26.0



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

