

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079194.D
 Acq On : 13 May 2015 11:21
 Operator : TP/IZ
 Sample : G2155-06DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48ASDL

Quant Time: May 13 13:46:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 13:12:37 2015
 Response via : Initial Calibration

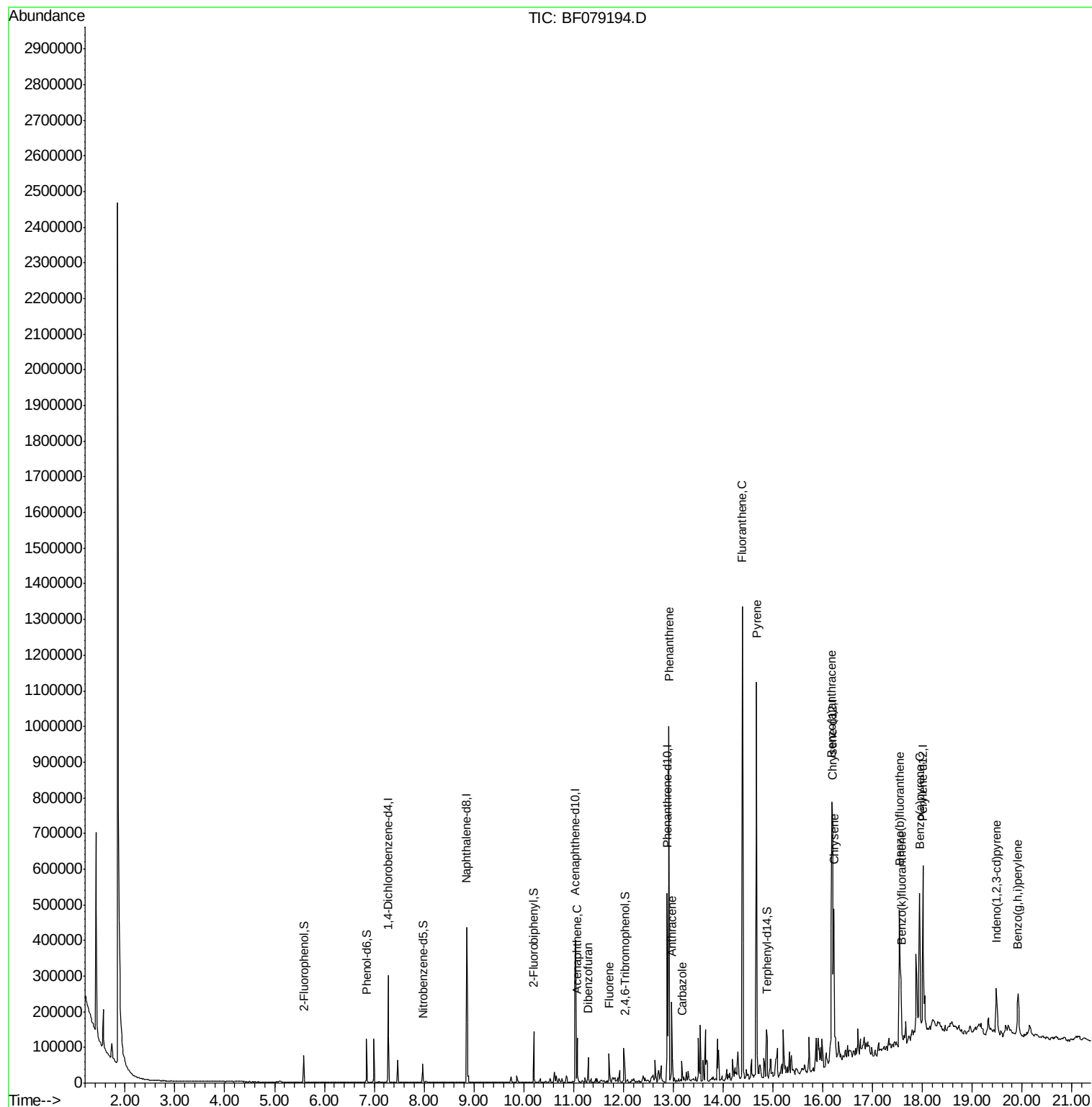
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	51488	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	213001	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	104886	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	199176	20.00	ng	0.00
75) Chrysene-d12	16.19	240	219717	20.00	ng	0.02
86) Perylene-d12	18.01	264	210746	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	29739	9.94	ng	0.00
7) Phenol-d6	6.84	99	42888	10.85	ng	0.00
23) Nitrobenzene-d5	7.98	82	21551	5.81	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	9745	8.59	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	45408	6.03	ng	0.00
78) Terphenyl-d14	14.88	244	50013	5.45	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.07	154	28319	4.45	ng	94
54) Dibenzofuran	11.29	168	25606	2.78	ng	96
57) Fluorene	11.71	166	22079	2.92	ng	96
70) Phenanthrene	12.91	178	464280	41.67	ng	99
71) Anthracene	12.97	178	92489	8.46	ng	99
72) Carbazole	13.18	167	23816	2.29	ng	98
74) Fluoranthene	14.39	202	564198	48.59	ng	99
77) Pyrene	14.67	202	536729	42.39	ng	99
80) Benzo(a)anthracene	16.18	228	225994	18.78	ng	99
82) Chrysene	16.23	228	219998m	19.01	ng	
85) Indeno(1,2,3-cd)pyrene	19.49	276	100616m	6.82	ng	
87) Benzo(b)fluoranthene	17.54	252	264634m	22.94	ng	
88) Benzo(k)fluoranthene	17.58	252	53213m	4.77	ng	
89) Benzo(a)pyrene	17.94	252	167130	15.74	ng	# 94
91) Benzo(a,h,i)perylene	19.92	276	96859	8.56	ng	97

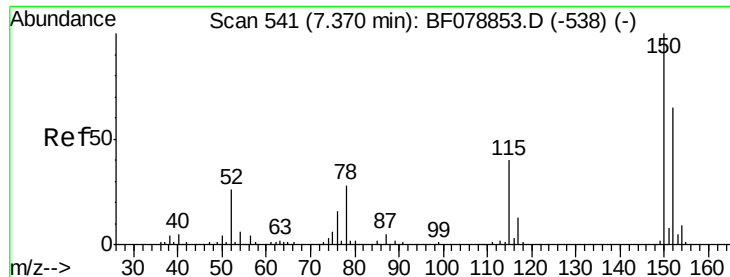
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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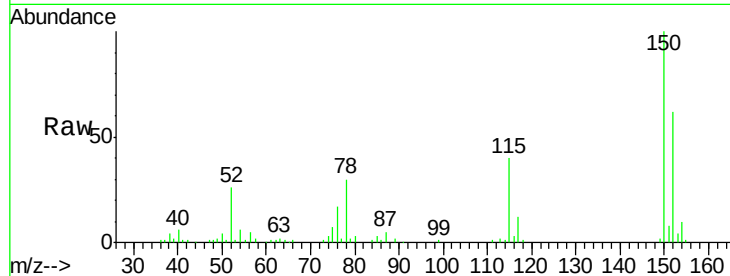


#1

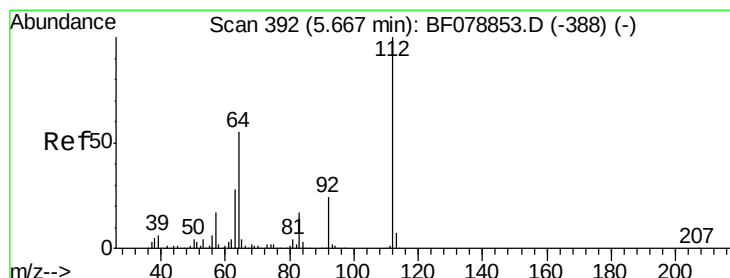
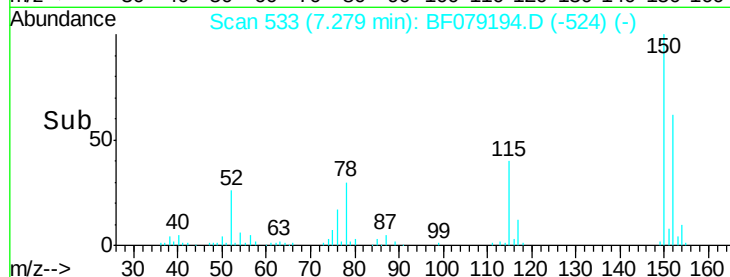
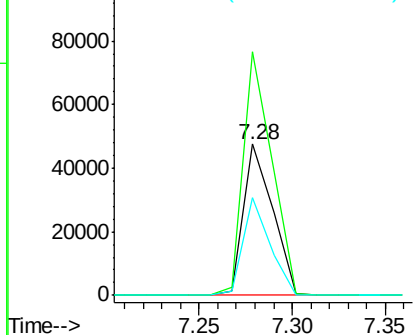
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Instrument :
BNA_F
ClientSampleId :
SB-48ASDL

Tot Ion:152 Resp: 51488
Ion Ratio Lower Upper
152 100
150 160.8 122.0 183.0
115 64.6 46.3 69.5



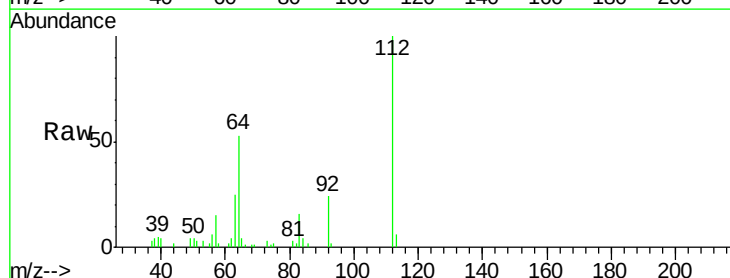
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



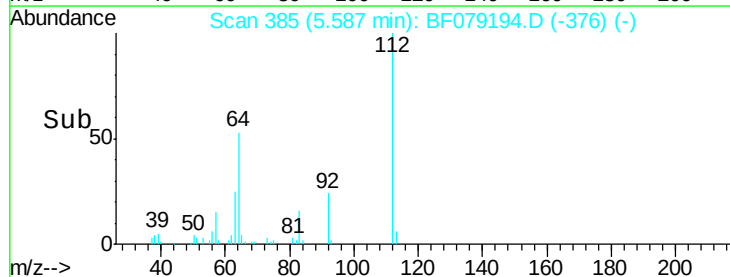
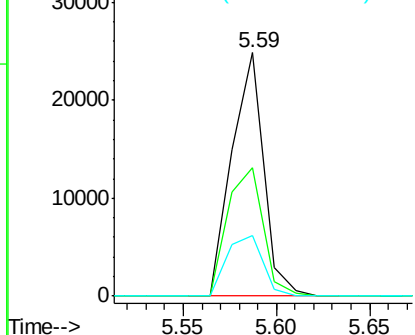
#5

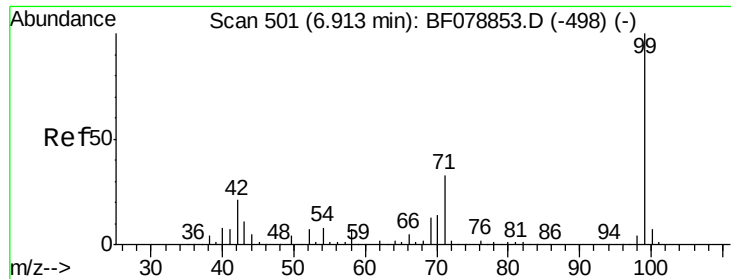
2-Fluorophenol
Concen: 9.94 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:112 Resp: 29739
Ion Ratio Lower Upper
112 100
64 52.7 53.5 80.3#
63 25.0 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: 10.85 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

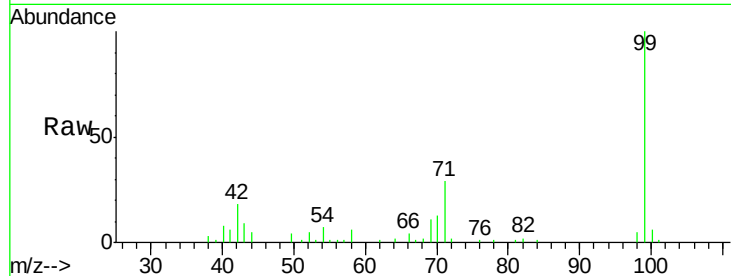
Tot Ion: 99 Resp: 42888

Ion Ratio Lower Upper

99 100

42 17.7 12.8 19.2

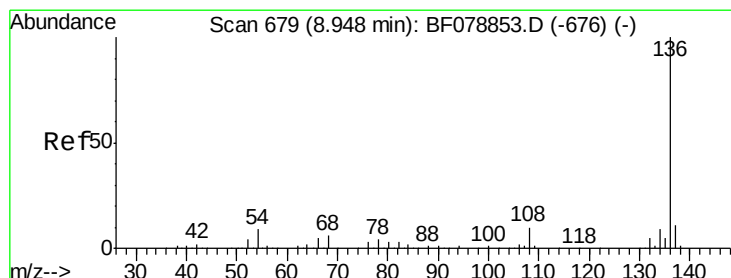
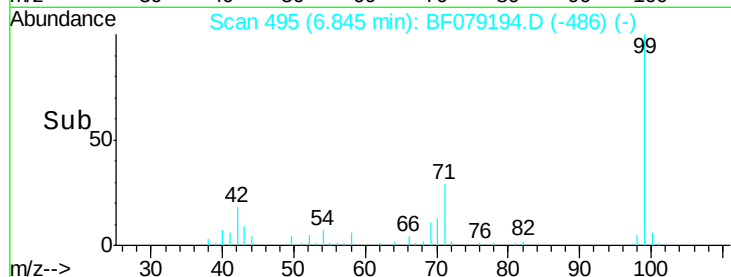
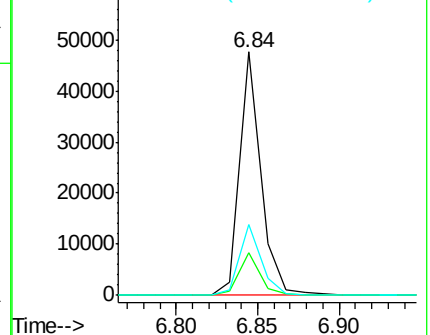
71 29.2 23.4 35.2



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: BF079194.D

Acq: 13 May 2015 11:21

Tgt Ion: 136 Resp: 213001

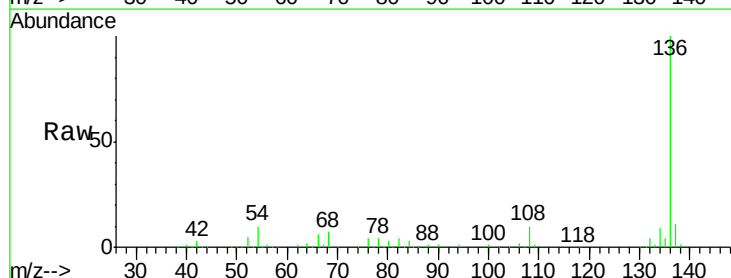
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.0 5.8 8.8#

68 7.1 4.2 6.4#

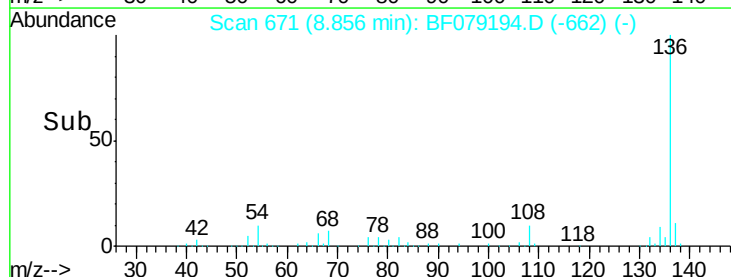
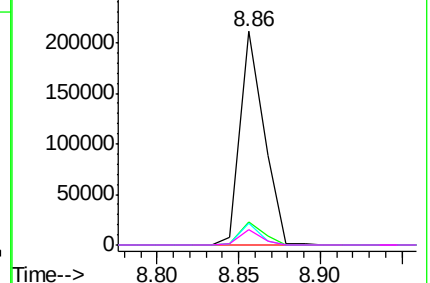


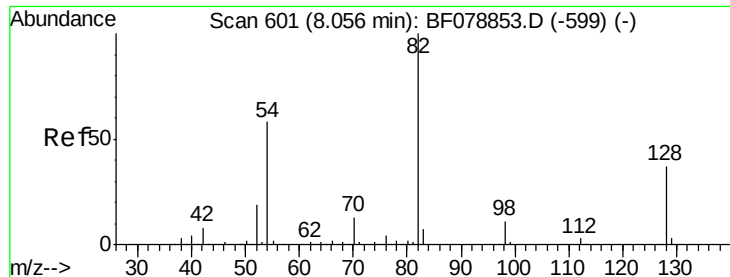
Abundance Ion 136.00 (135.70 to 136.70): E

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

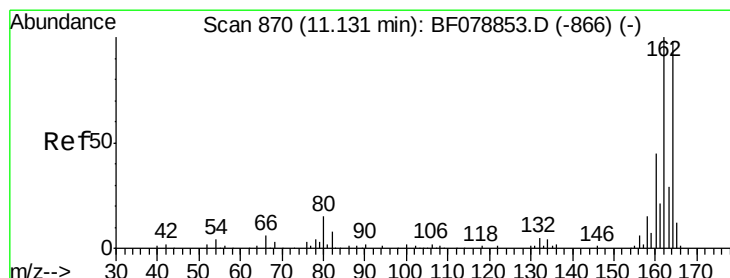
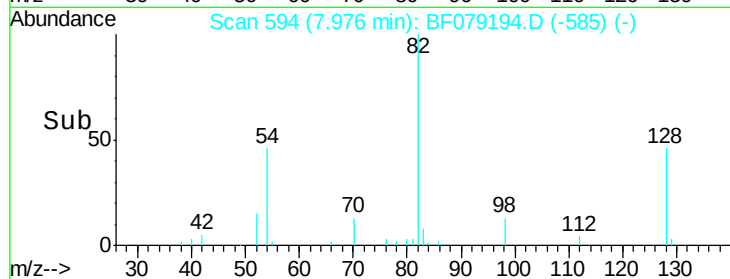
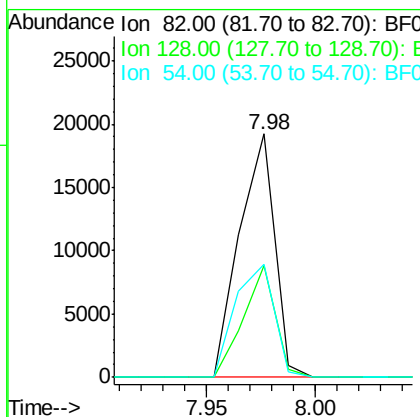
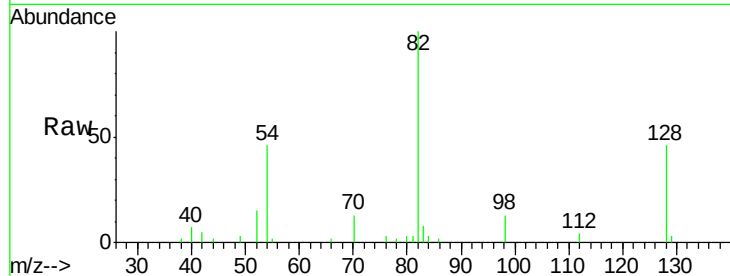




#23
Nitrobenzene-d5
Concen: 5.81 ng
RT: 7.98 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

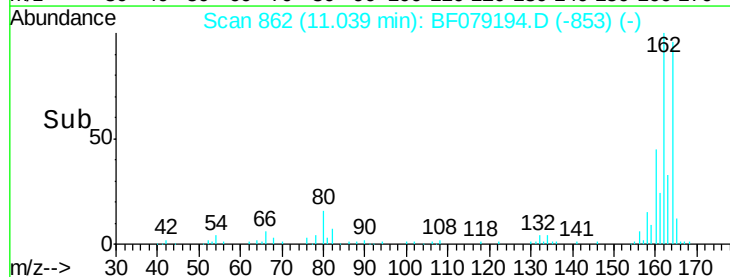
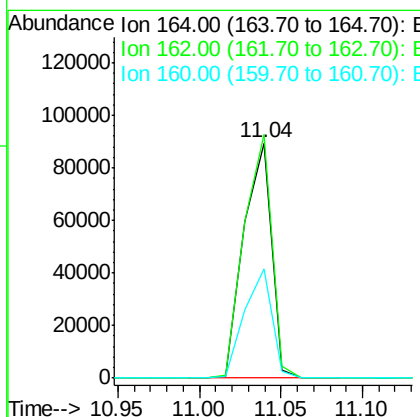
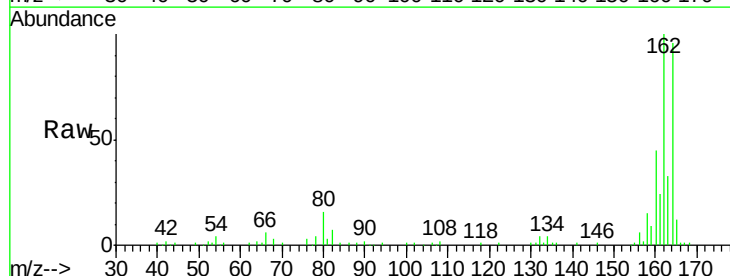
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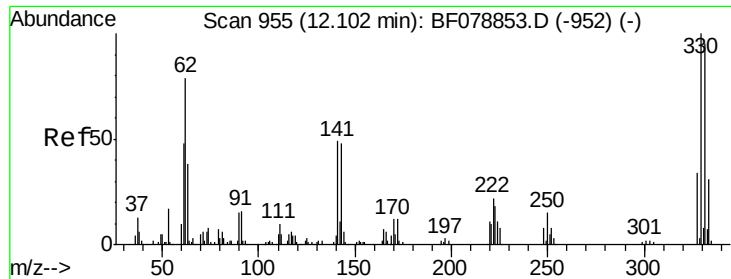
Tot Ion: 82 Resp: 21551
Ion Ratio Lower Upper
82 100
128 45.7 30.0 45.0#
54 46.3 46.4 69.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 862
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion: 164 Resp: 104886
Ion Ratio Lower Upper
164 100
162 103.7 82.7 124.1
160 46.5 35.8 53.8

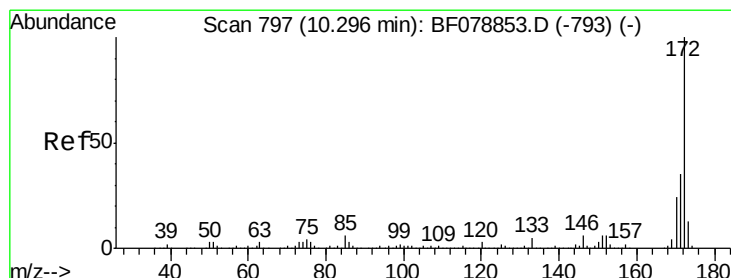
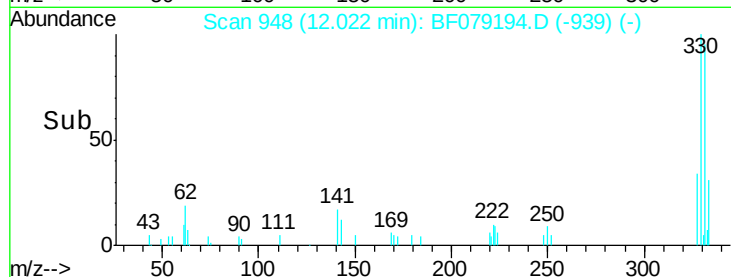
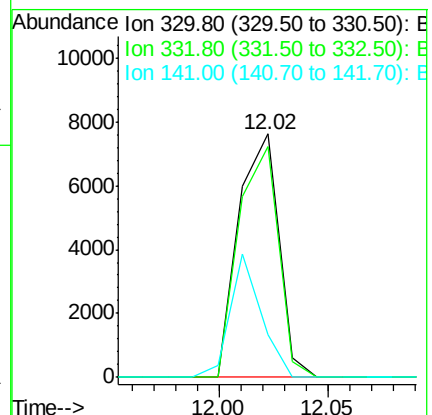
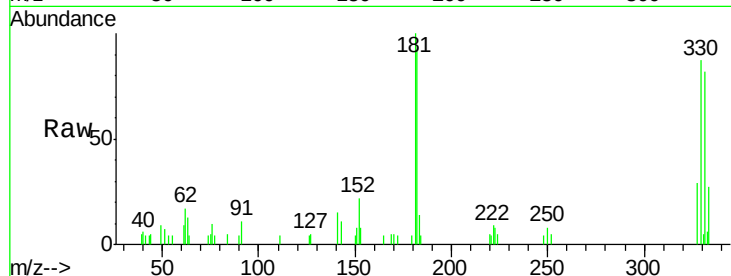




#41
 2,4,6-Tribromophenol
 Concen: 8.59 ng
 RT: 12.02 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

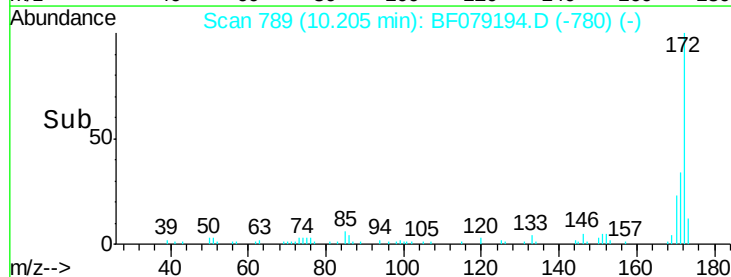
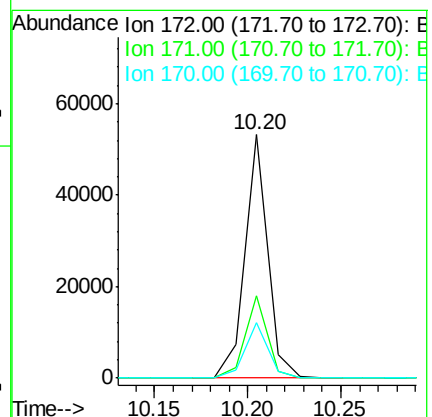
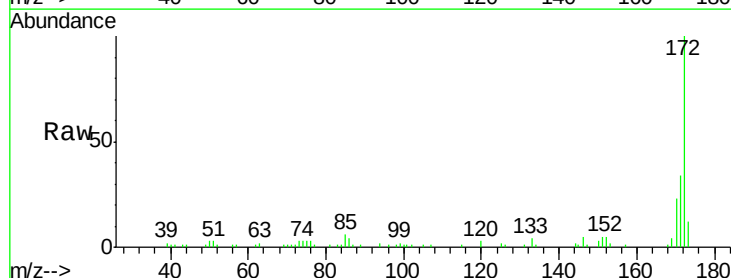
Instrument :
 BNA_F
 ClientSampleId :
 SB-48ASDL

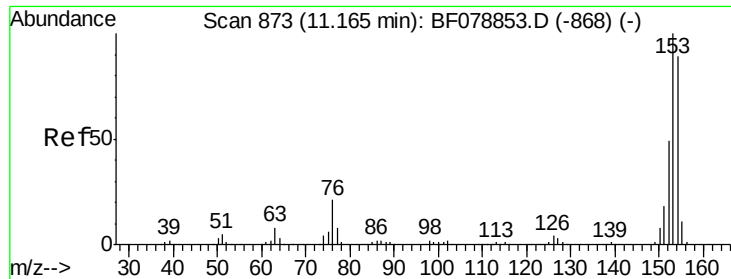
Tot Ion:330 Resp: 9745
 Ion Ratio Lower Upper
 330 100
 332 94.4 0.0 0.0#
 141 39.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 6.03 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:172 Resp: 45408
 Ion Ratio Lower Upper
 172 100
 171 33.9 27.9 41.9
 170 23.0 19.4 29.0





#51

Acenaphthene

Concen: 4.45 ng

RT: 11.07 min Scan# 865

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

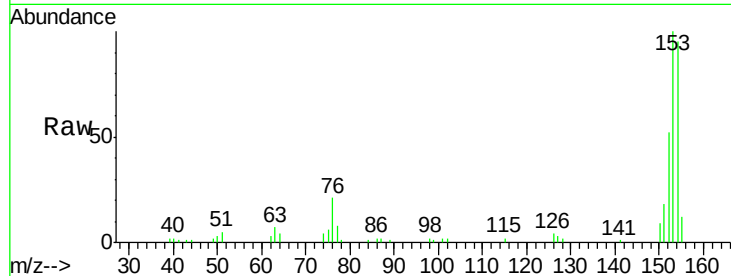
Tot Ion:154 Resp: 28319

Ion Ratio Lower Upper

154 100

153 105.5 91.5 137.3

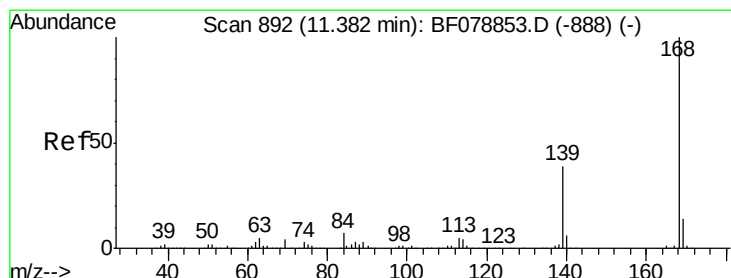
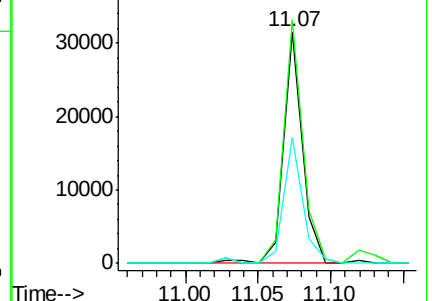
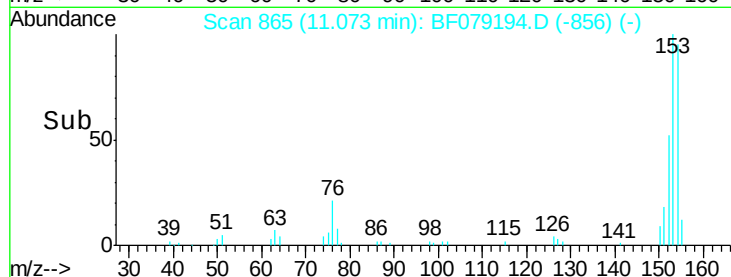
152 54.5 44.2 66.4



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



#54

Dibenzofuran

Concen: 2.78 ng

RT: 11.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

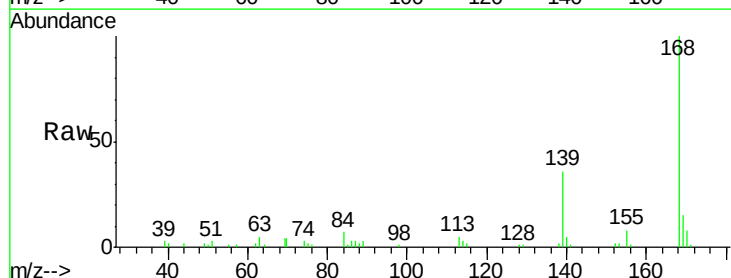
Tgt Ion:168 Resp: 25606

Ion Ratio Lower Upper

168 100

139 36.1 31.0 46.4

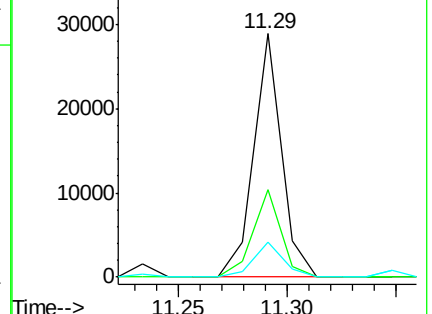
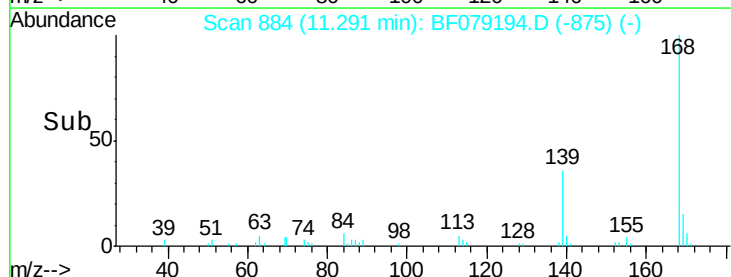
169 14.5 10.6 16.0

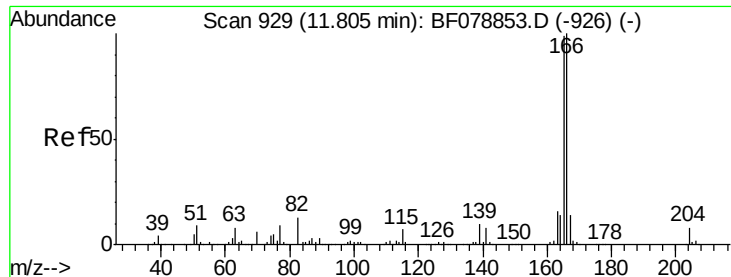


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

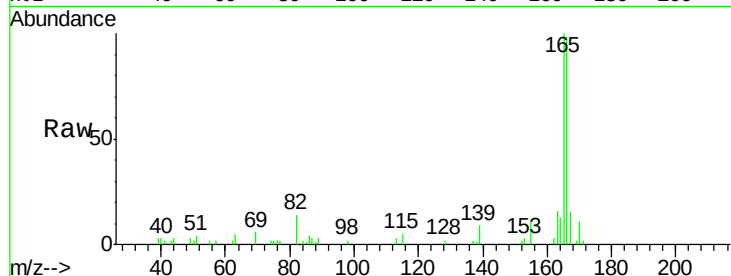




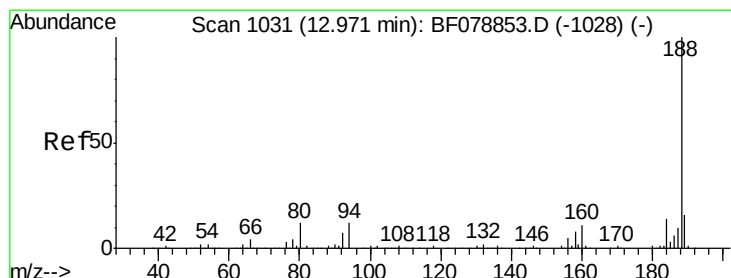
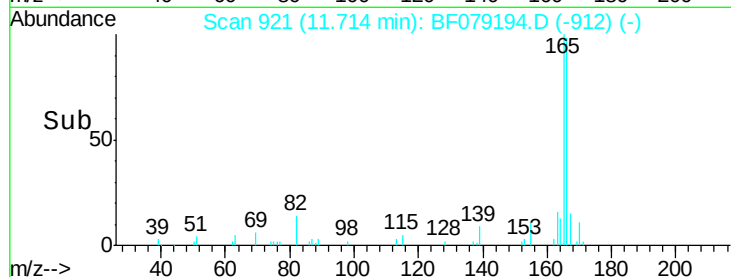
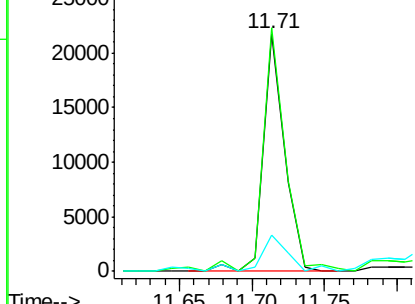
#57
 Fluorene
 Concen: 2.92 ng
 RT: 11.71 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-48ASDL

Tot Ion:166 Resp: 22079
 Ion Ratio Lower Upper
 166 100
 165 102.4 78.5 117.7
 167 15.4 11.0 16.6

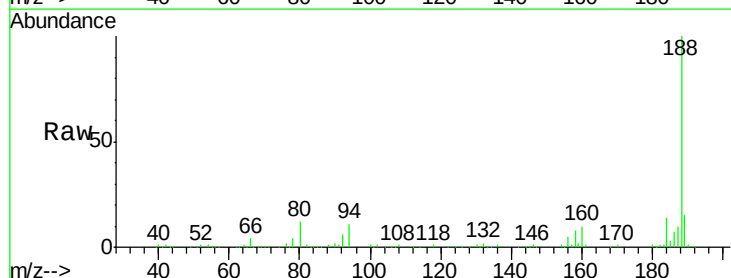


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

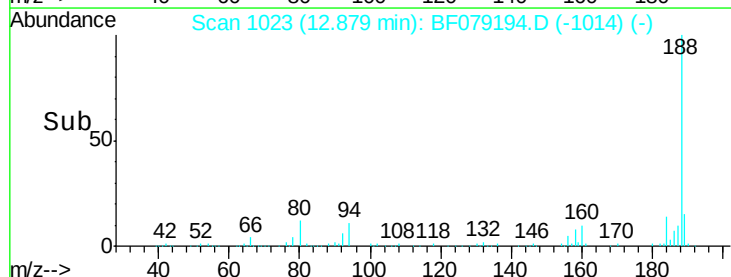
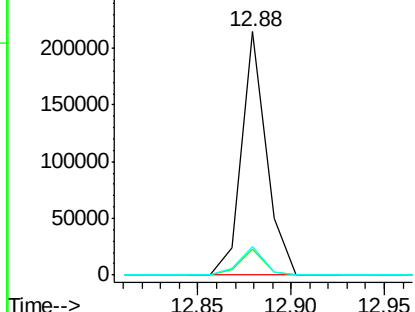


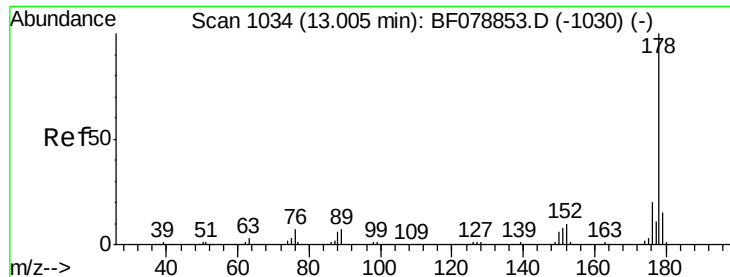
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.88 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:188 Resp: 199176
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.2 12.2
 80 11.7 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

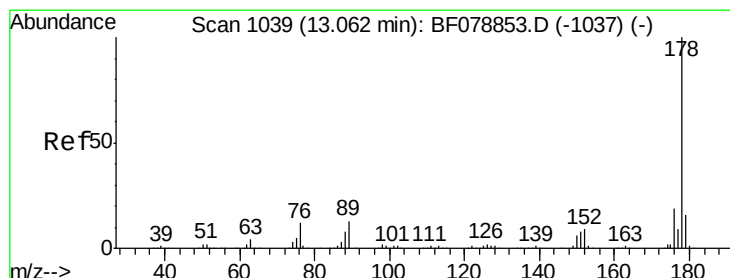
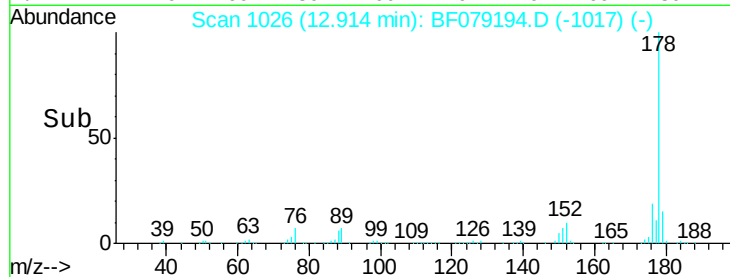
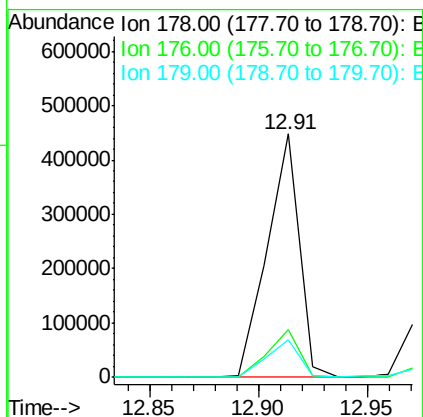
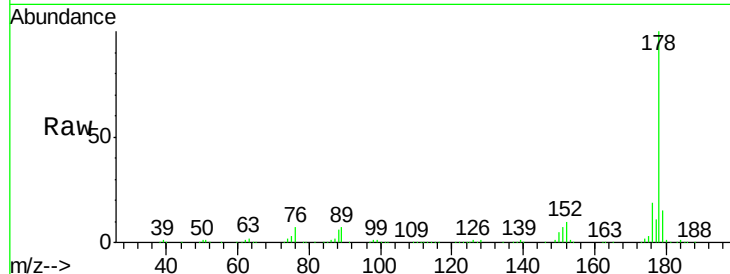




#70
Phenanthrene
Concen: 41.67 ng
RT: 12.91 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

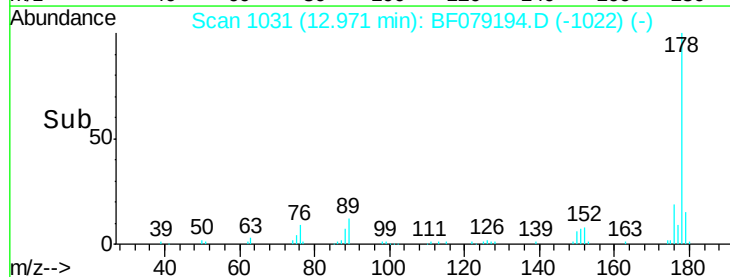
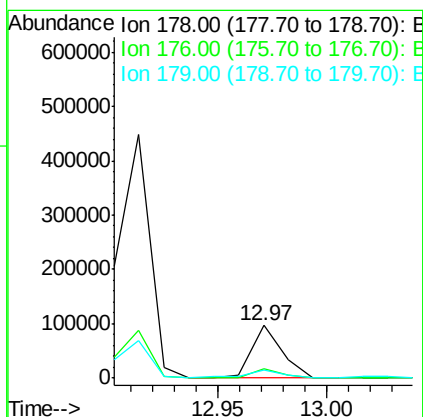
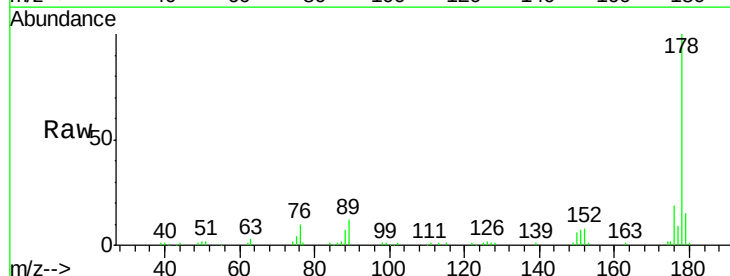
Instrument :
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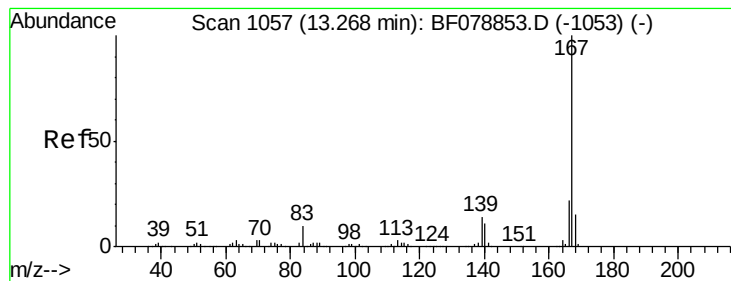
Tot Ion:178 Resp: 464280
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.5 18.7



#71
Anthracene
Concen: 8.46 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:178 Resp: 92489
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.4 12.7 19.1





#72

Carbazole

Concen: 2.29 ng

RT: 13.18 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

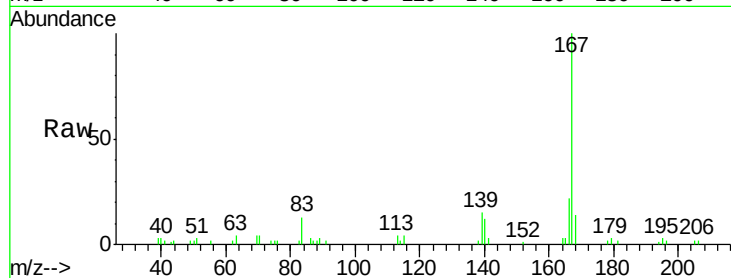
Tot Ion:167 Resp: 23816

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.8

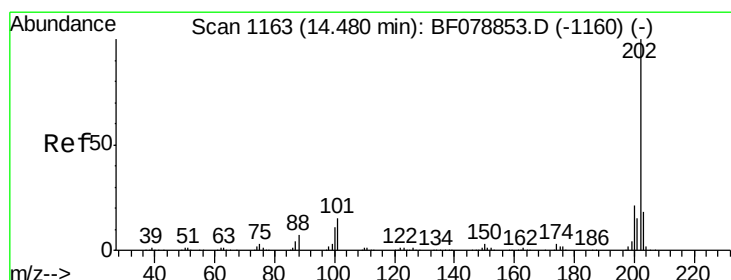
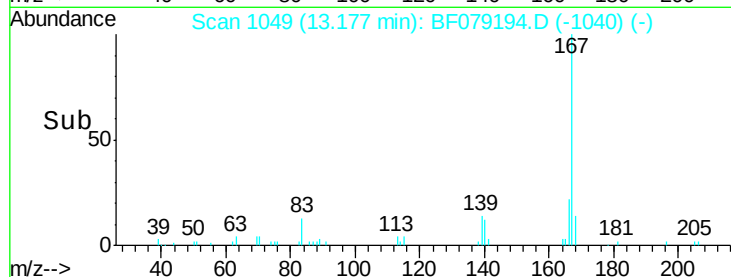
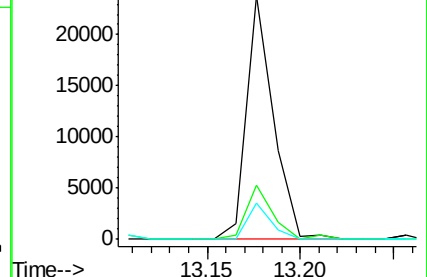
139 15.2 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 48.59 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

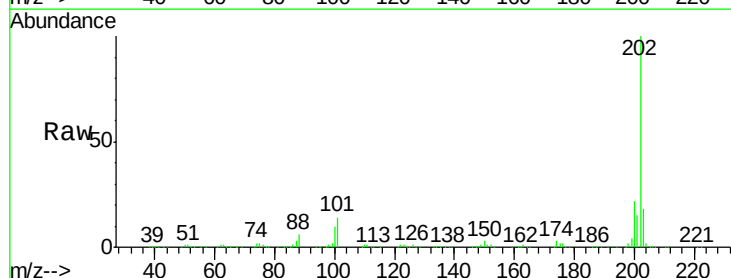
Tgt Ion:202 Resp: 564198

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.6

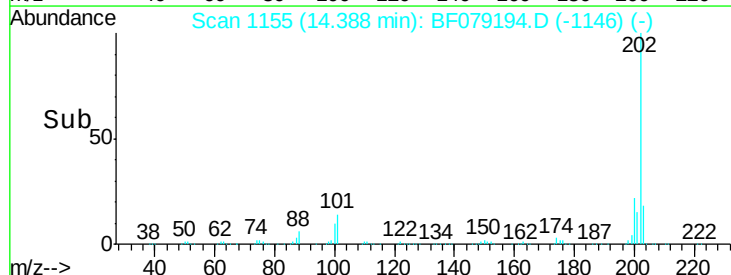
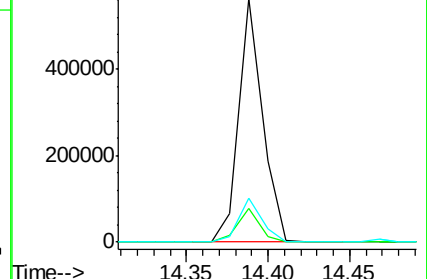
203 18.1 0.0 38.4

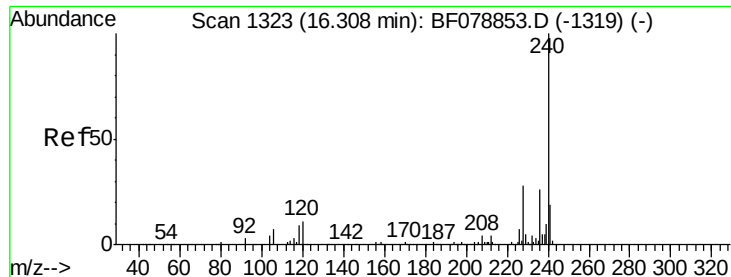


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.19 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

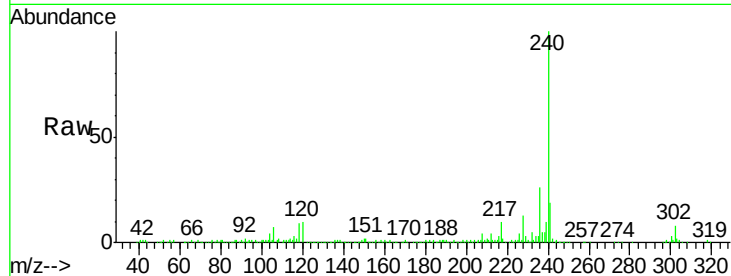
Tot Ion:240 Resp: 219717

Ion Ratio Lower Upper

240 100

120 10.5 9.7 14.5

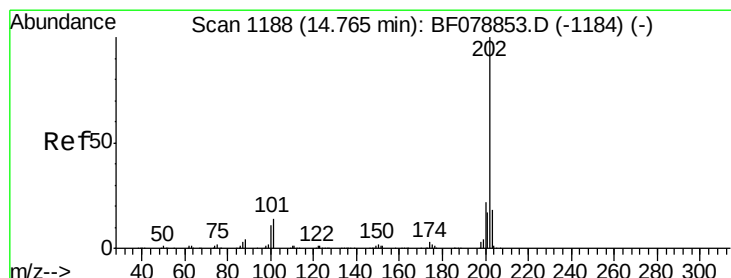
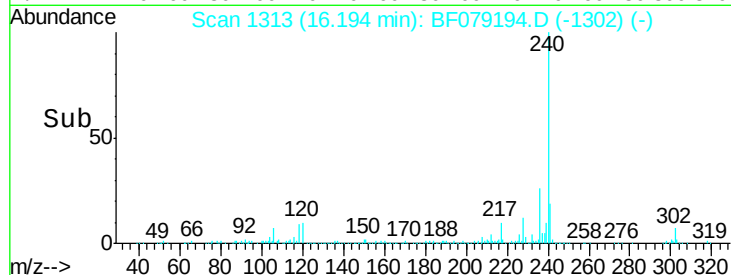
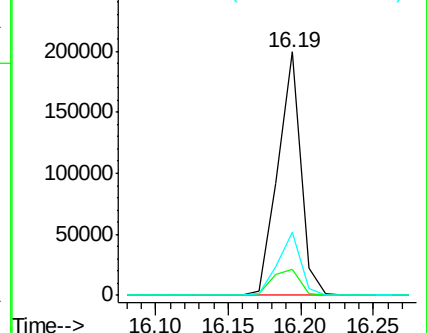
236 26.1 20.2 30.4



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: 42.39 ng

RT: 14.67 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

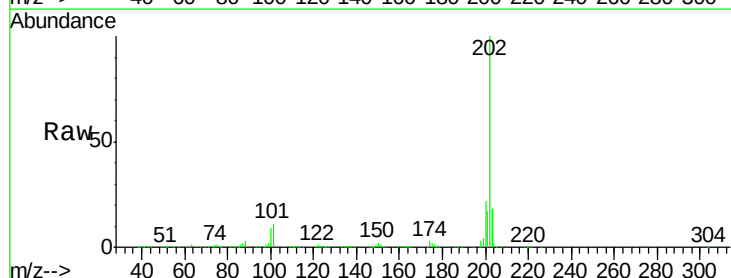
Tgt Ion:202 Resp: 536729

Ion Ratio Lower Upper

202 100

200 22.2 17.5 26.3

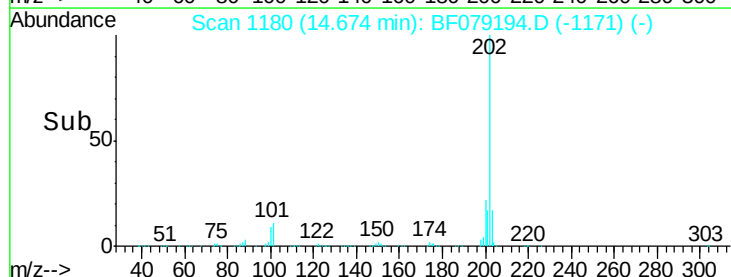
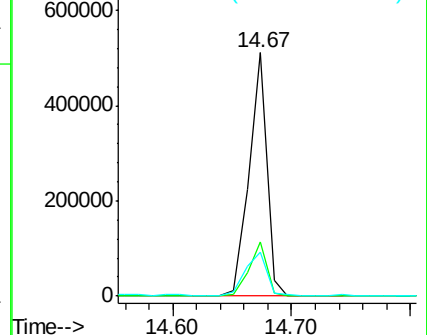
203 17.8 13.9 20.9

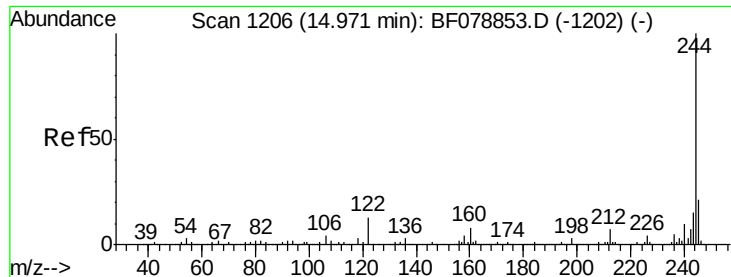


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.45 ng

RT: 14.88 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

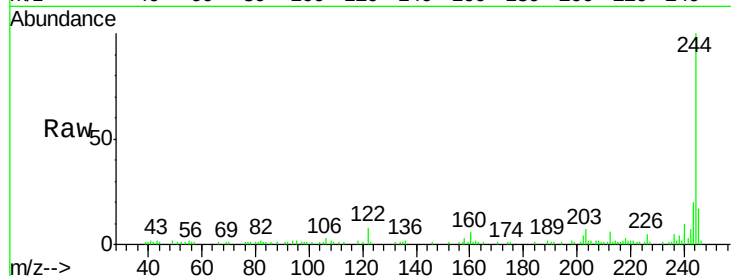
Tot Ion:244 Resp: 50013

Ion Ratio Lower Upper

244 100

212 5.7 5.6 8.4

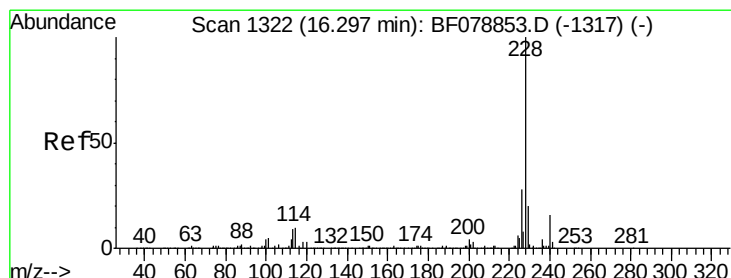
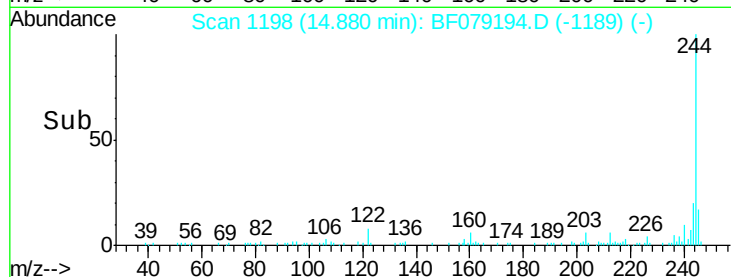
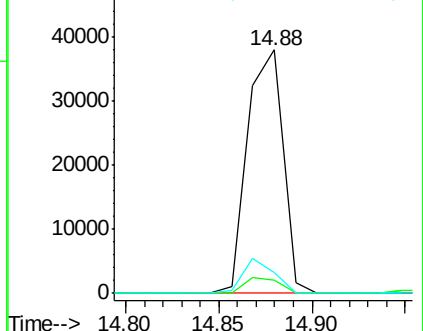
122 8.5 10.3 15.5#



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: 18.78 ng

RT: 16.18 min Scan# 1312

Delta R.T. 0.02 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

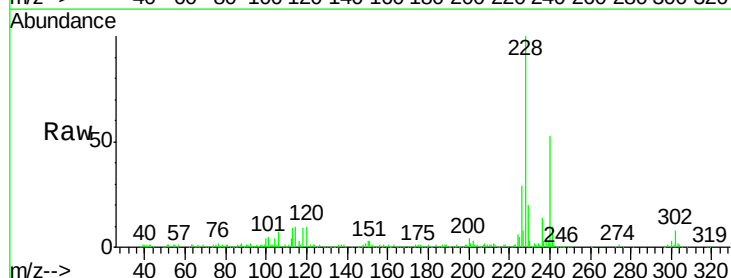
Tgt Ion:228 Resp: 225994

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

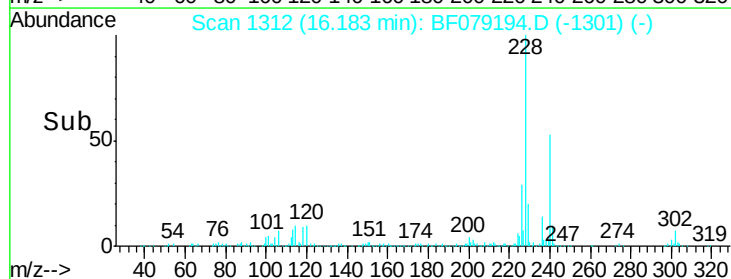
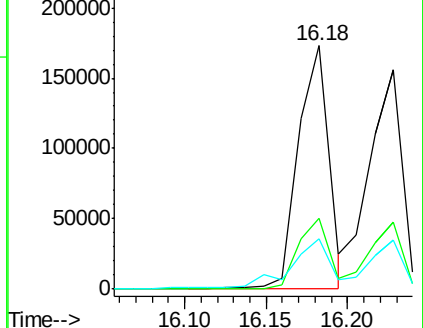
229 20.5 15.9 23.9

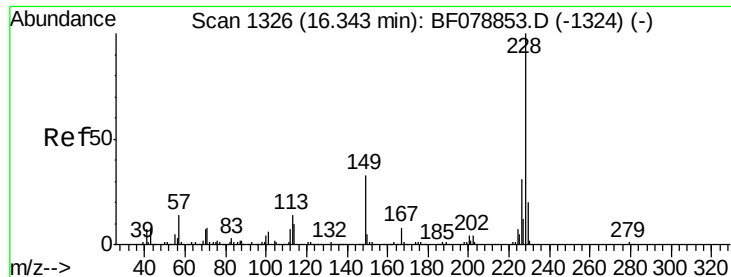


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.01 ng m

RT: 16.23 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

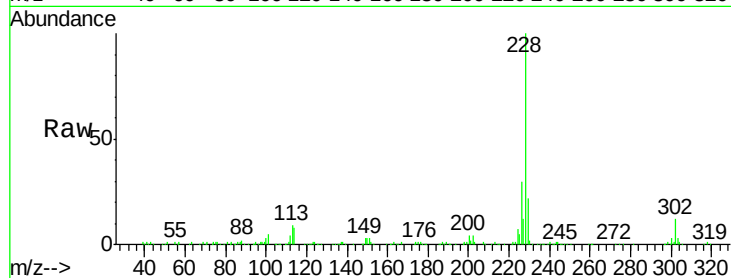
Tot Ion:228 Resp: 219998

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

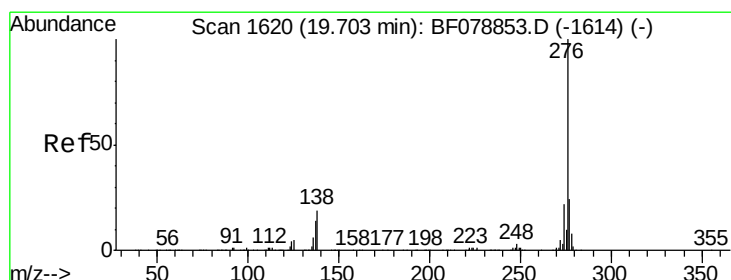
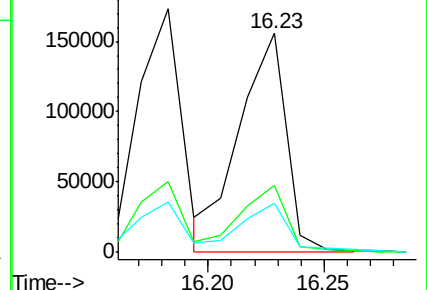
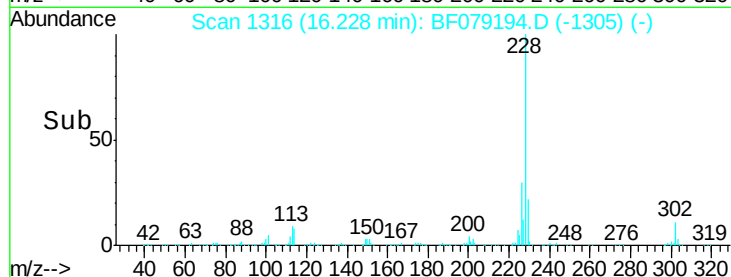
229 22.4 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.82 ng m

RT: 19.49 min Scan# 1601

Delta R.T. 0.15 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

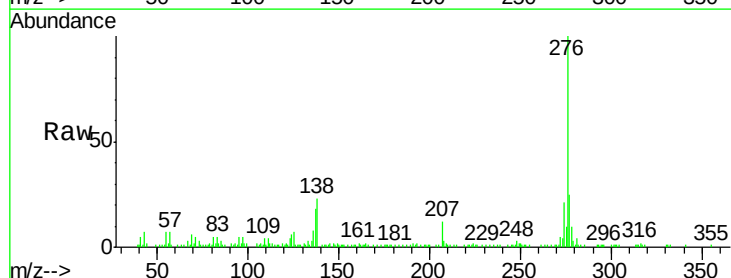
Tgt Ion:276 Resp: 100616

Ion Ratio Lower Upper

276 100

138 5.2 0.0 0.0#

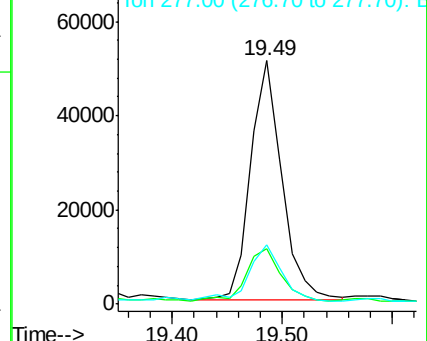
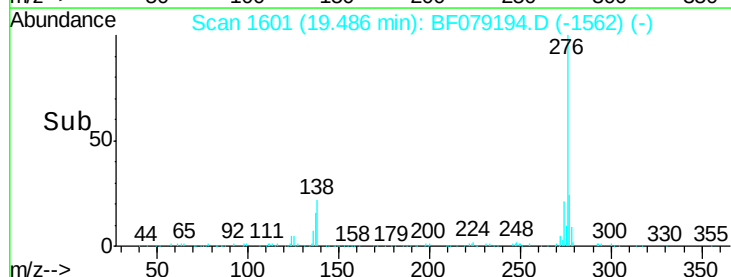
277 4.8 0.0 0.0#

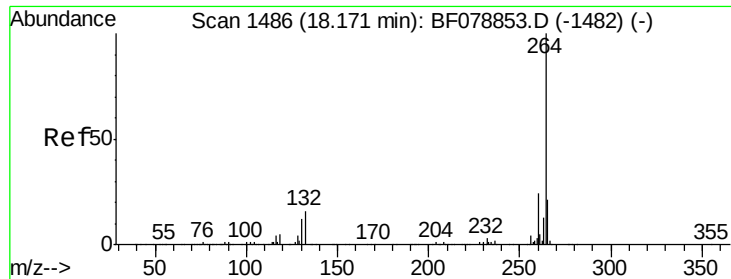


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

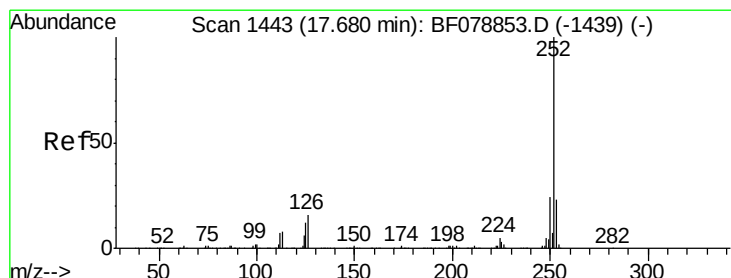
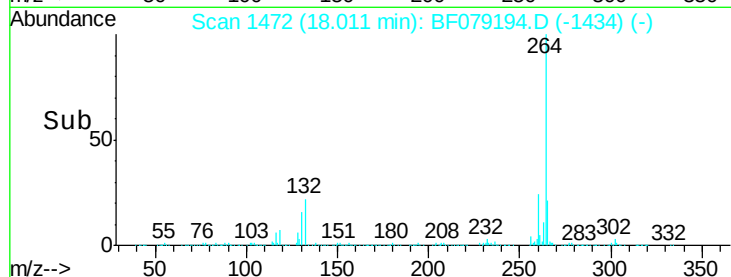
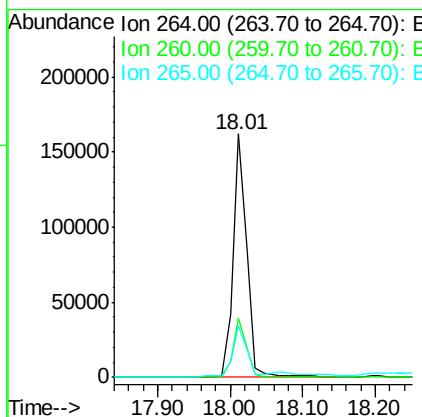
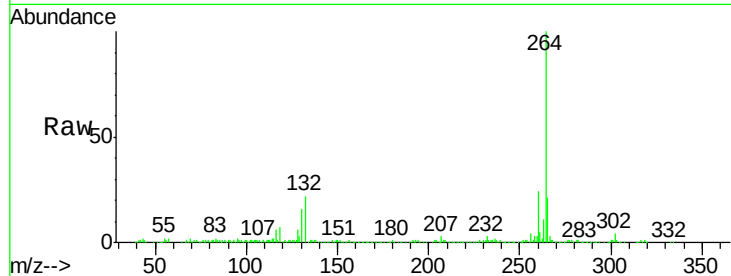




#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.01 min Scan# 1472
Delta R.T. 0.14 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

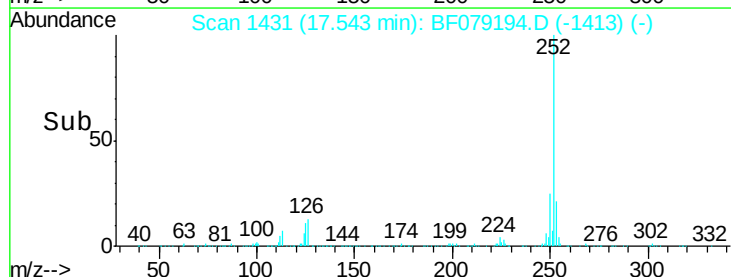
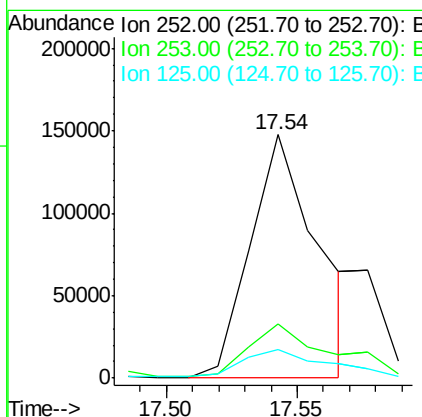
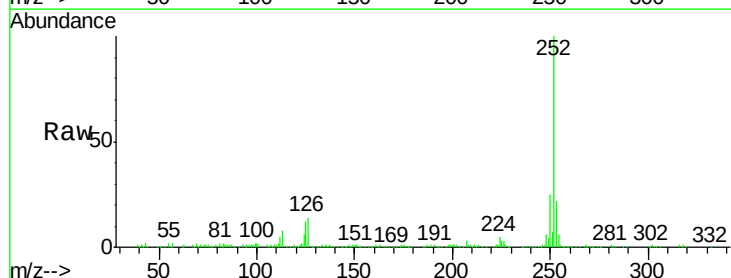
Instrument :
BNA_F
ClientSampleId :
SB-48ASDL

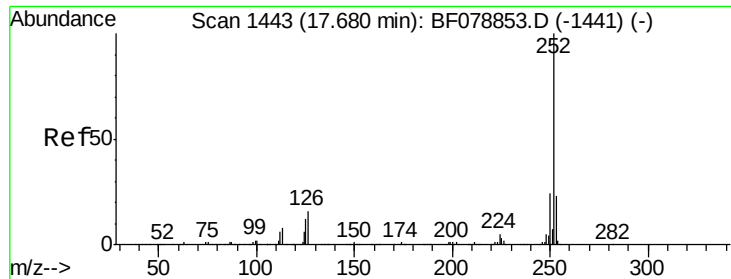
Tot Ion:264 Resp: 210746
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.3 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 22.94 ng m
RT: 17.54 min Scan# 1431
Delta R.T. 0.10 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:252 Resp: 264634
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.5 9.5 14.3

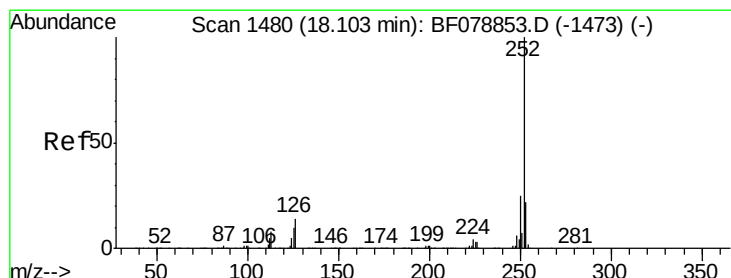
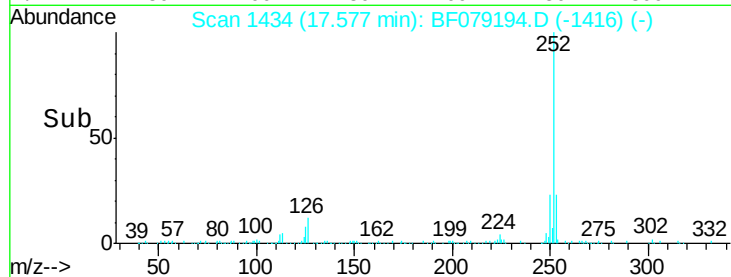
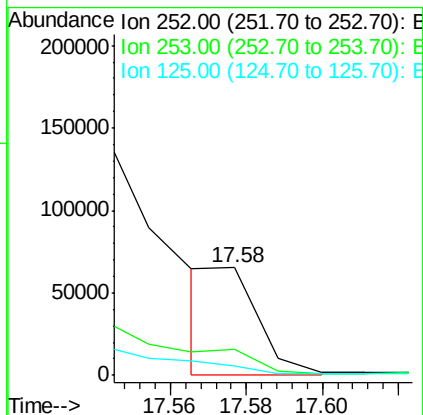
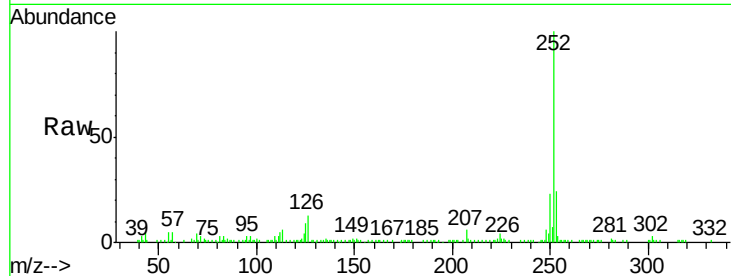




#88
Benzo(k)fluoranthene
Concen: 4.77 ng m
RT: 17.58 min Scan# 1434
Delta R.T. 0.10 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

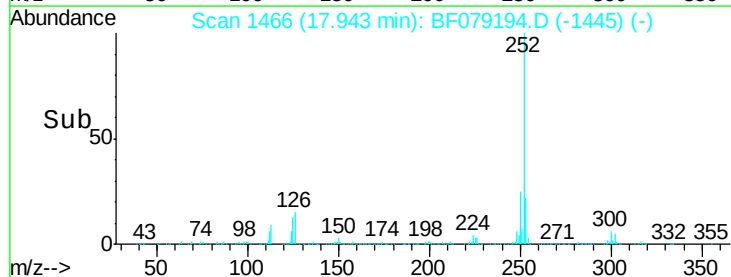
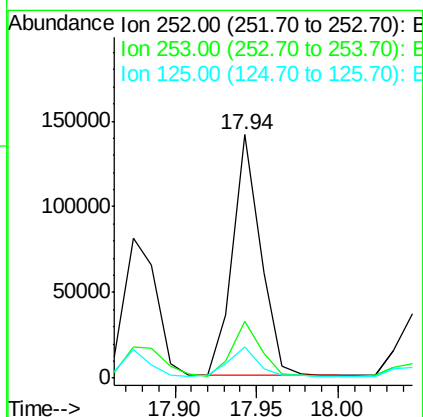
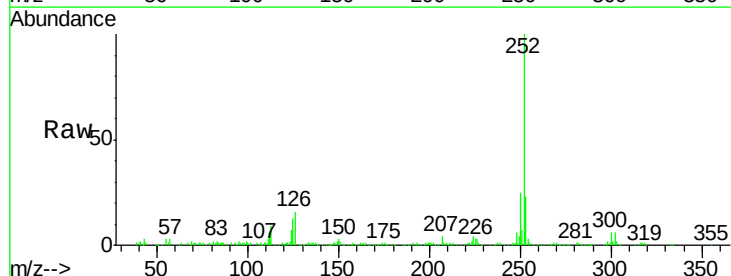
Instrument :
BNA_F
ClientSampleId :
SB-48ASDL

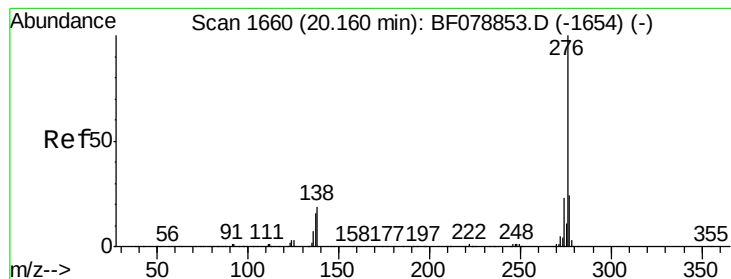
Tot Ion:252 Resp: 53213
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 9.0 10.0 15.0#



#89
Benzo(a)pyrene
Concen: 15.74 ng
RT: 17.94 min Scan# 1466
Delta R.T. 0.14 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:252 Resp: 167130
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 13.0 7.0 10.6#





#91

Benzo(a,h,i)perylene

Concen: 8.56 ng

RT: 19.92 min Scan# 1639

Delta R.T. 0.15 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

SB-48ASDL

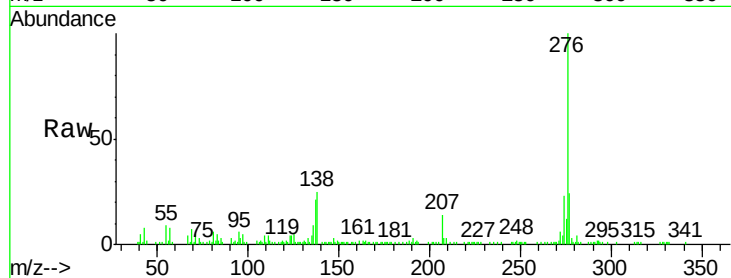
Tot Ion: 276 Resp: 96859

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 24.6 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

