

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012115\
 Data File : BF077007.D
 Acq On : 21 Jan 2015 21:33
 Operator : TP/IZ
 Sample : G1076-05DL2 5X
 Misc : W
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL2

Quant Time: Jan 22 10:39:27 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 22 02:22:46 2015
 Response via : Initial Calibration

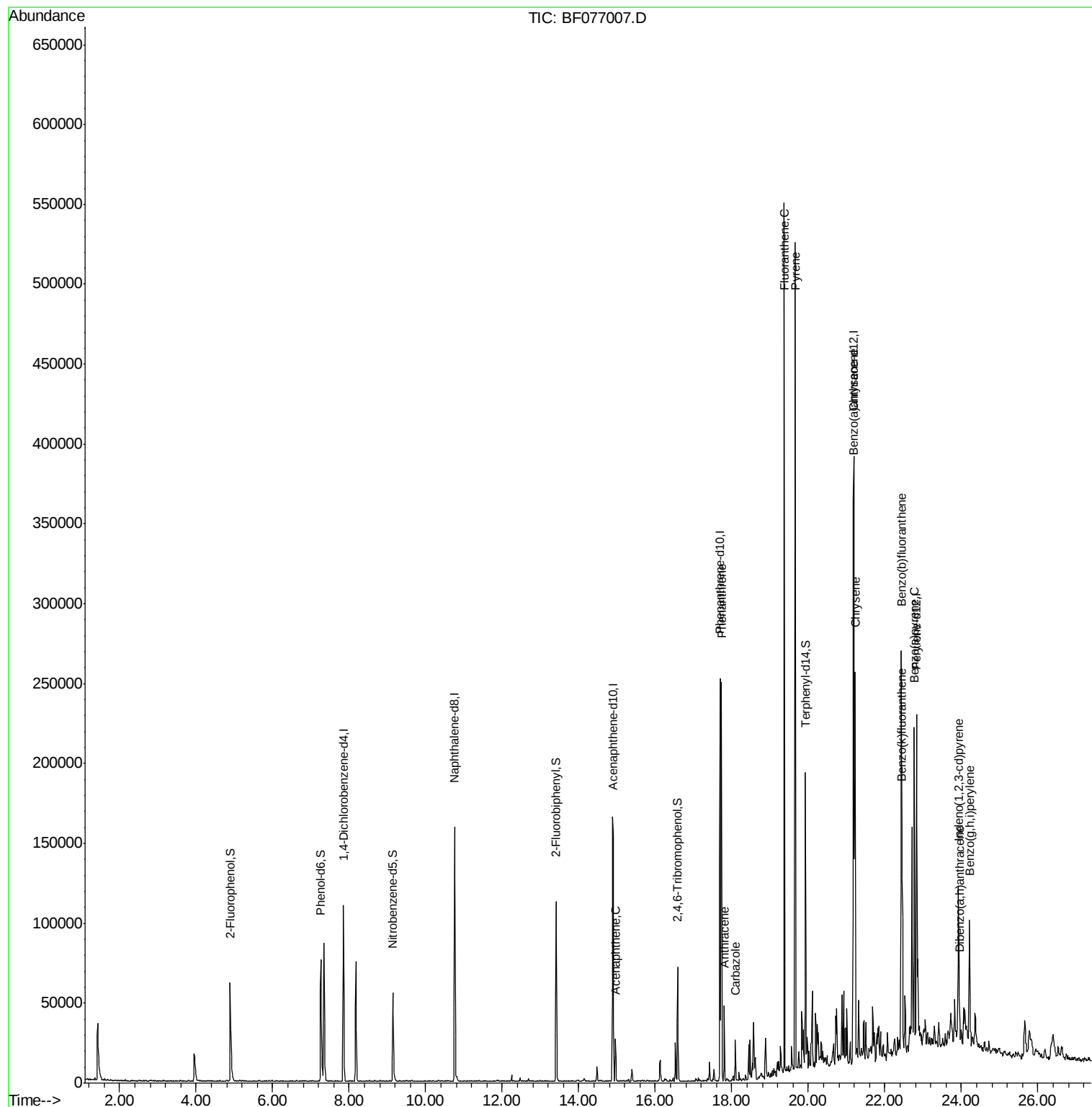
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	30134	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	131258	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	71709	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	119737	20.00	ng	0.00
75) Chrysene-d12	21.19	240	106175	20.00	ng	0.00
86) Perylene-d12	22.83	264	97631	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	40765	22.24	ng	0.00
7) Phenol-d6	7.26	99	55912	24.18	ng	0.00
23) Nitrobenzene-d5	9.14	82	32107	13.55	ng	-0.01
41) 2,4,6-Tribromophenol	16.59	330	11602	19.93	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	67616	14.35	ng	-0.01
78) Terphenyl-d14	19.92	244	64330	13.95	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	14.96	154	11309	2.70	ng	91
70) Phenanthrene	17.73	178	140084	18.76	ng	96
71) Anthracene	17.81	178	31808	4.37	ng	96
72) Carbazole	18.09	167	15401	2.18	ng	95
74) Fluoranthene	19.37	202	256423	33.51	ng	98
77) Pyrene	19.66	202	248793	34.19	ng	# 94
80) Benzo(a)anthracene	21.18	228	133188	19.99	ng	99
82) Chrysene	21.23	228	100749	16.58	ng	97
85) Indeno(1,2,3-cd)pyrene	23.92	276	53347	8.29	ng	# 79
87) Benzo(b)fluoranthene	22.43	252	125066m	19.02	ng	
88) Benzo(k)fluoranthene	22.44	252	56078m	9.76	ng	
89) Benzo(a)pyrene	22.77	252	90581	15.62	ng	# 98
90) Dibenzo(a,h)anthracene	23.95	278	10904m	2.05	ng	
91) Benzo(g,h,i)perylene	24.21	276	50925	9.63	ng	97

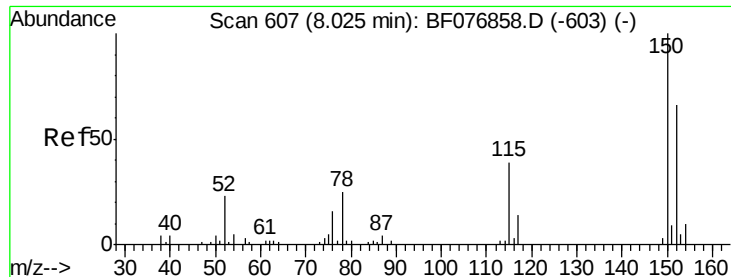
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 22 02:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.85 min Scan# 592

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

SP-3DL2

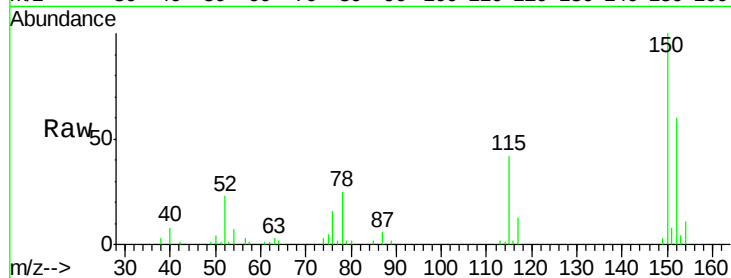
Tot Ion:152 Resp: 30134

Ion Ratio Lower Upper

152 100

150 165.7 121.7 182.5

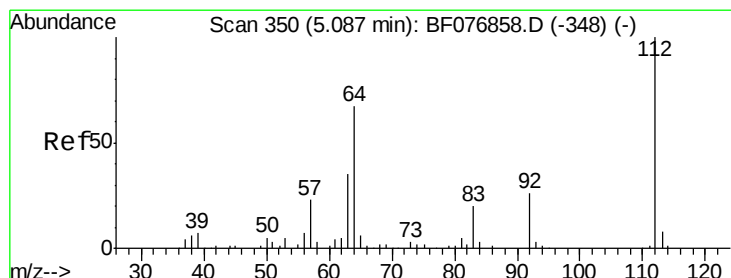
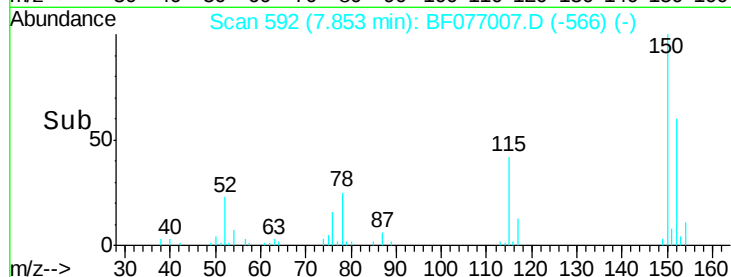
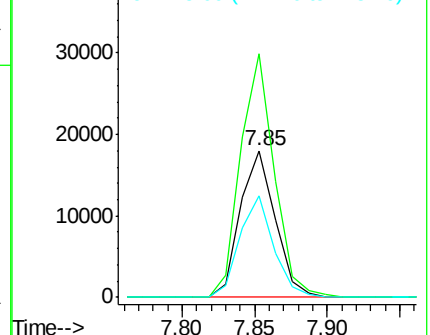
115 69.1 47.0 70.6



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: 22.24 ng

RT: 4.90 min Scan# 334

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

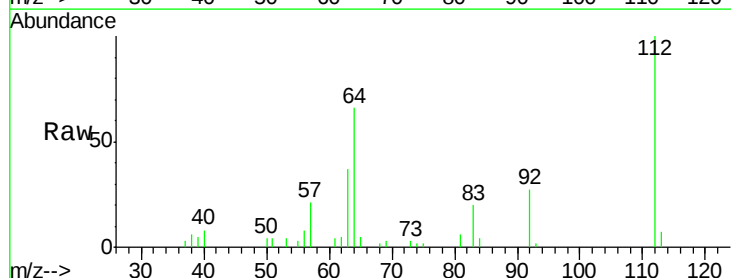
Tgt Ion:112 Resp: 40765

Ion Ratio Lower Upper

112 100

64 65.6 54.2 81.4

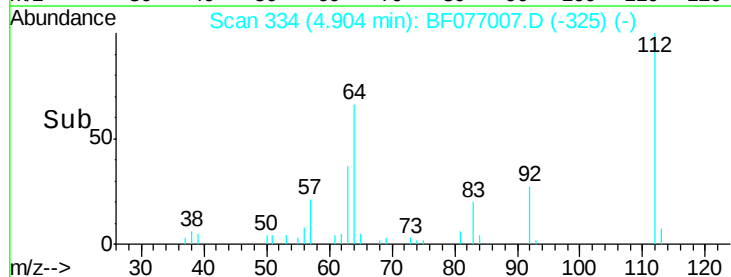
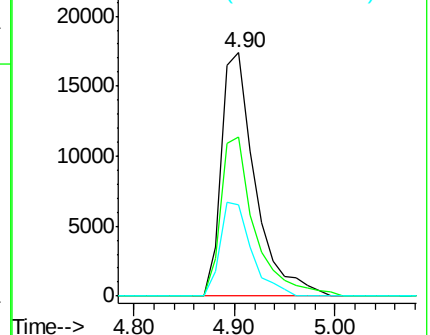
63 37.4 28.4 42.6

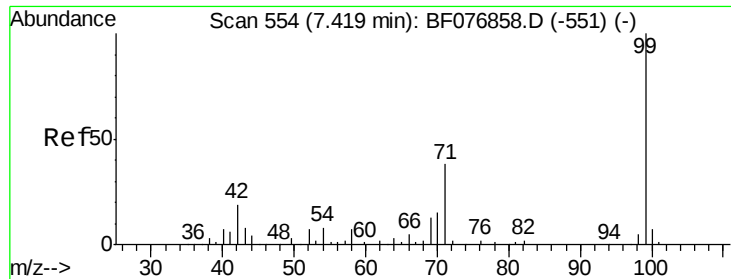


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.18 ng

RT: 7.26 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

SP-3DL2

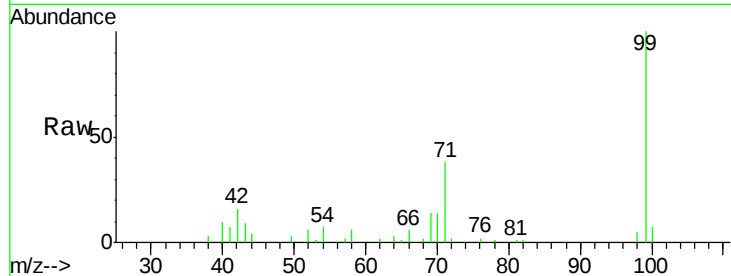
Tot Ion: 99 Resp: 55912

Ion Ratio Lower Upper

99 100

42 16.3 15.0 22.4

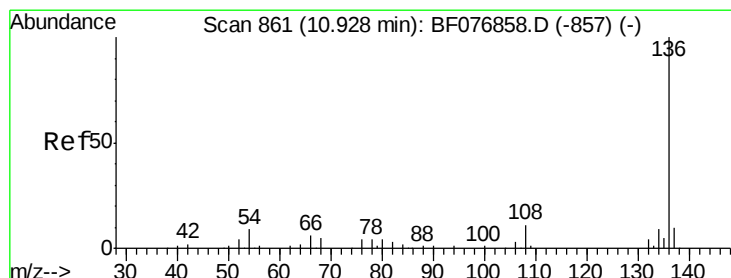
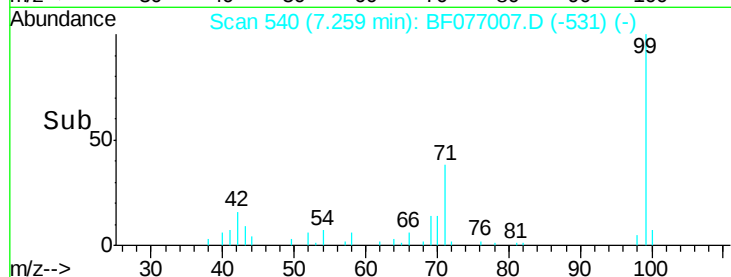
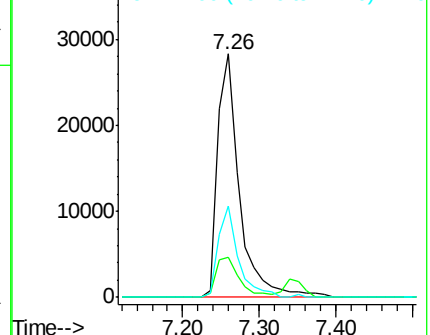
71 37.6 30.5 45.7



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: 10.76 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Tgt Ion: 136 Resp: 131258

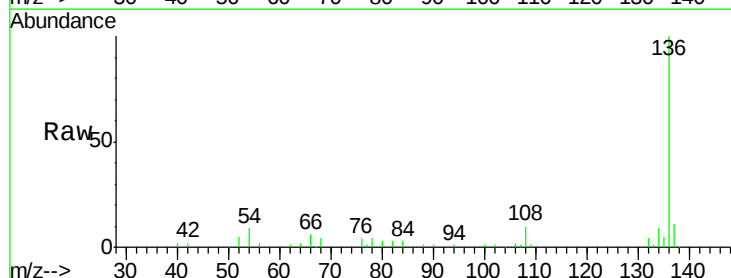
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 9.2 7.0 10.4

68 4.2 3.7 5.5

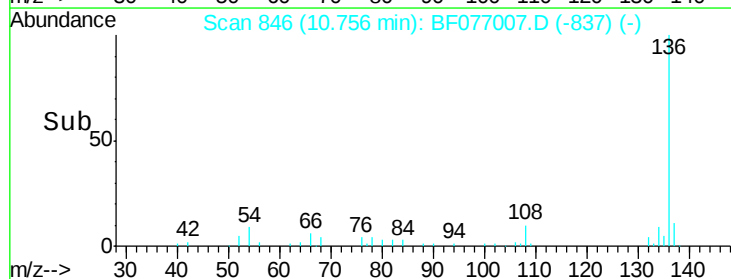
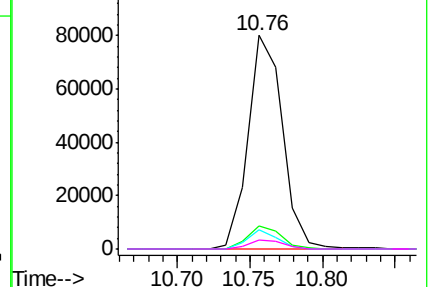


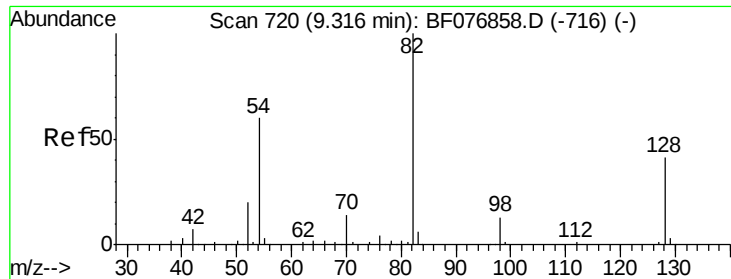
Abundance Ion 136.00 (135.70 to 136.70): E

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

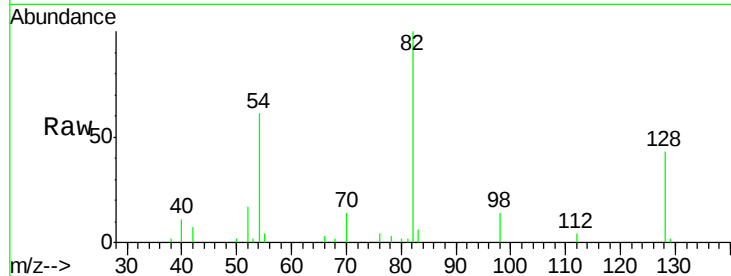




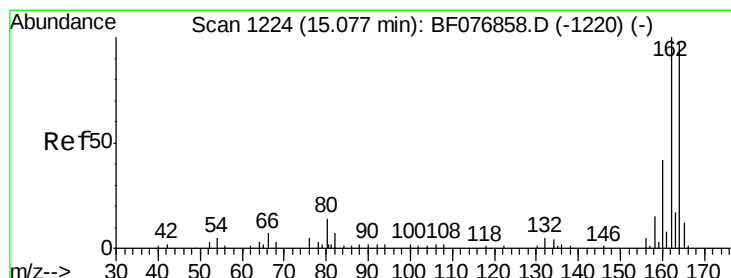
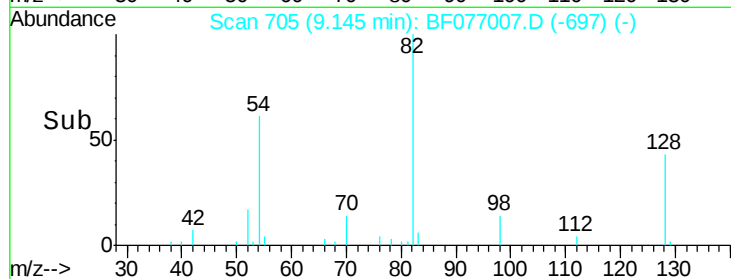
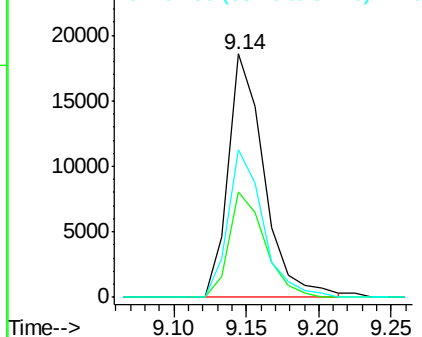
#23
 Nitrobenzene-d5
 Concen: 13.55 ng
 RT: 9.14 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL2

Tot Ion	82	Resp	32107
Ion Ratio	Lower	Upper	
82	100		
128	43.0	33.1	49.7
54	60.7	48.3	72.5

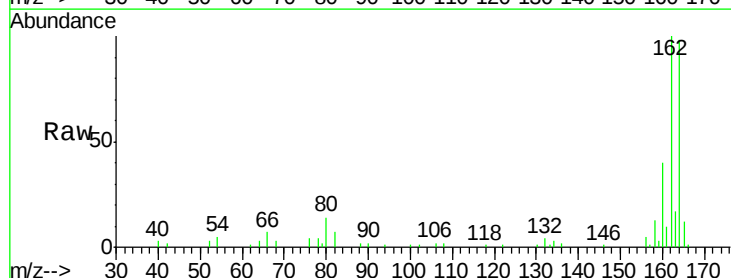


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

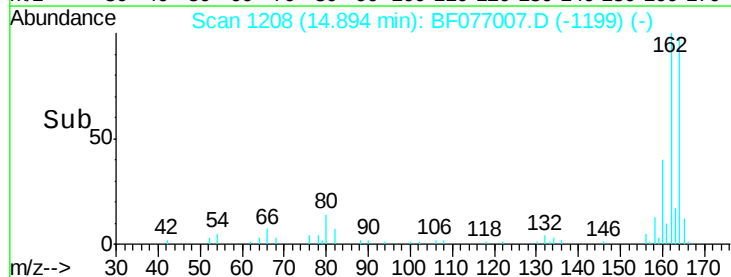
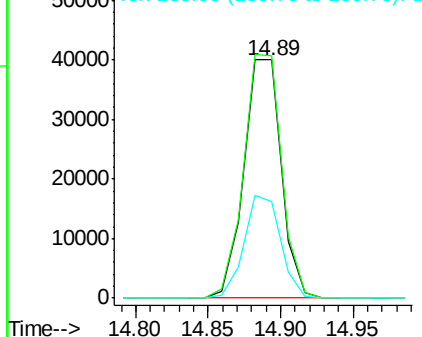


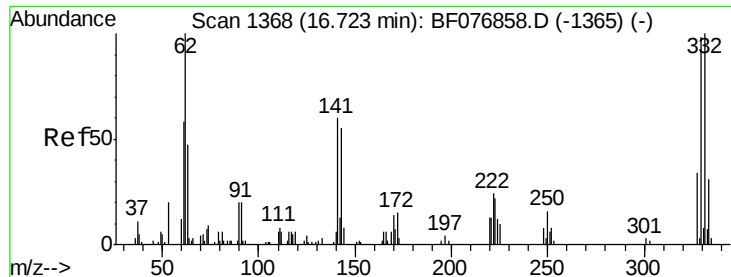
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.89 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Tgt Ion	164	Resp	71709
Ion Ratio	Lower	Upper	
164	100		
162	101.6	82.4	123.6
160	40.3	34.8	52.2



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

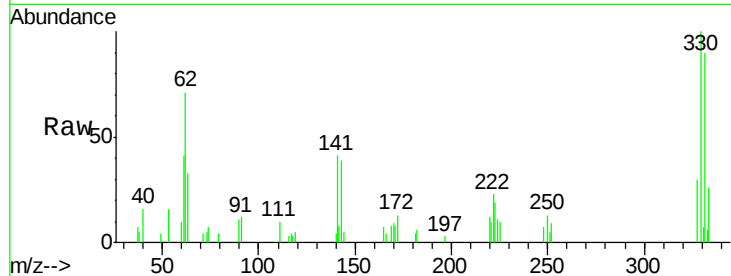




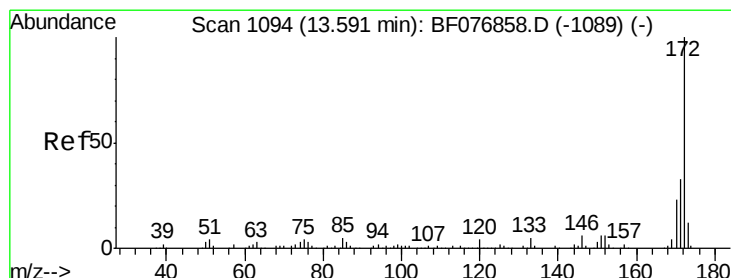
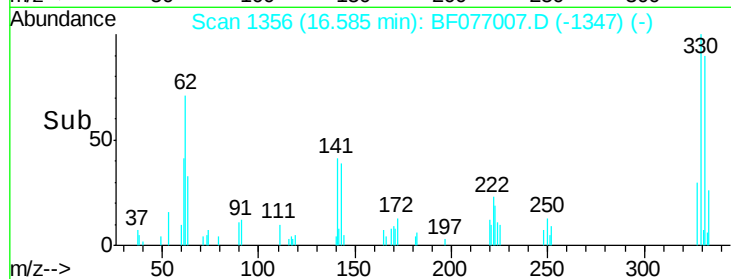
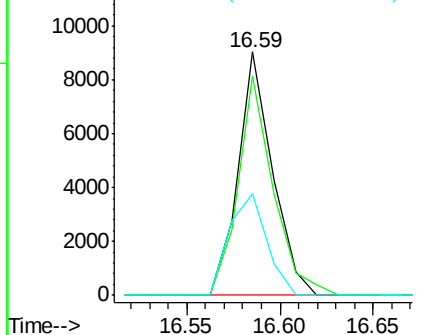
#41
 2,4,6-Tribromophenol
 Concen: 19.93 ng
 RT: 16.59 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL2

Tot Ion:330 Resp: 11602
 Ion Ratio Lower Upper
 330 100
 332 91.5 77.8 116.6
 141 45.3 38.5 57.7

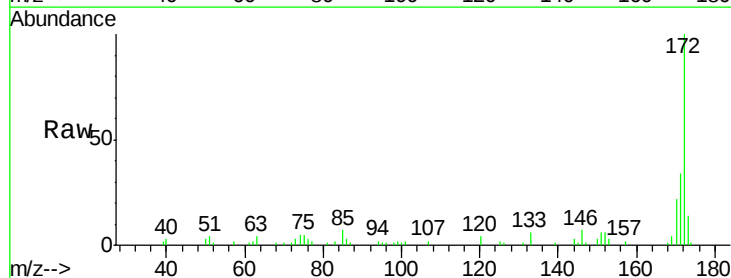


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

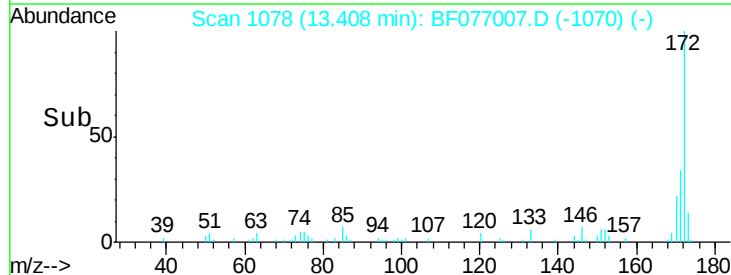
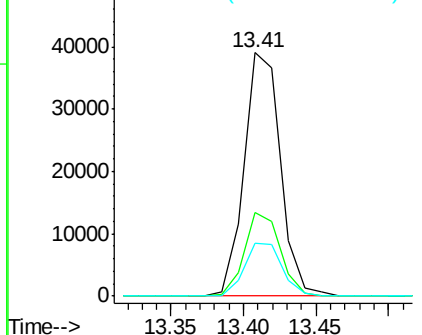


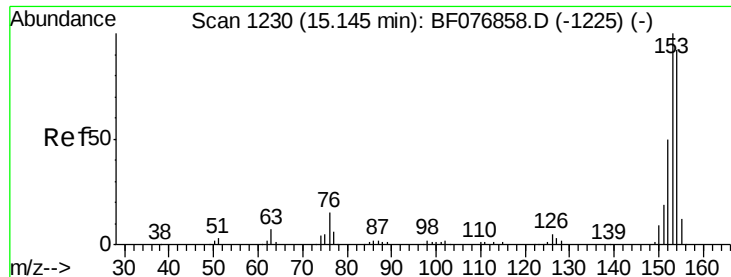
#44
 2-Fluorobiphenyl
 Concen: 14.35 ng
 RT: 13.41 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Tgt Ion:172 Resp: 67616
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.6 40.0
 170 21.6 18.0 27.0



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





#51

Acenaphthene

Concen: 2.70 ng

RT: 14.96 min Scan# 1214

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampled :

SP-3DL2

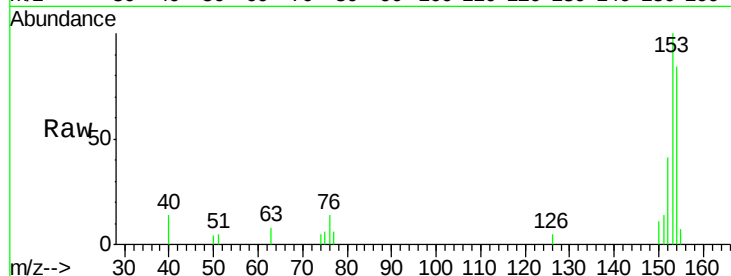
Tot Ion:154 Resp: 11309

Ion Ratio Lower Upper

154 100

153 118.7 87.0 130.6

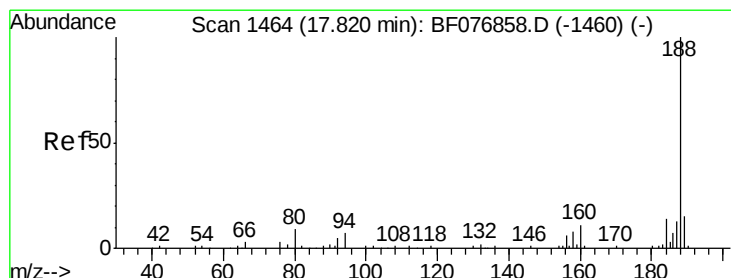
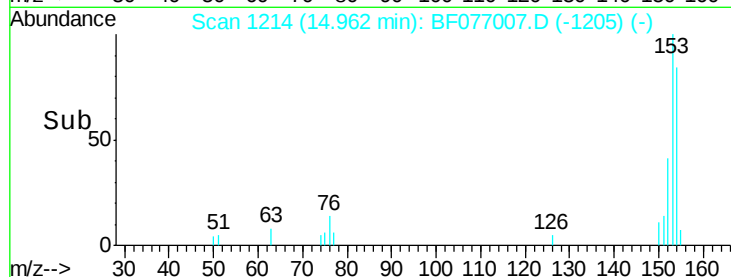
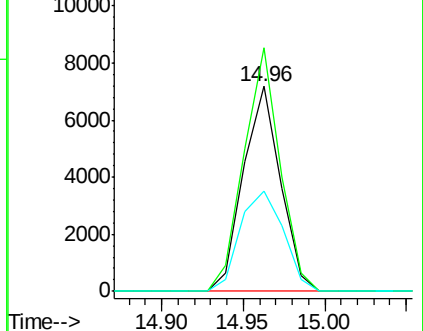
152 48.6 43.5 65.3



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.69 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

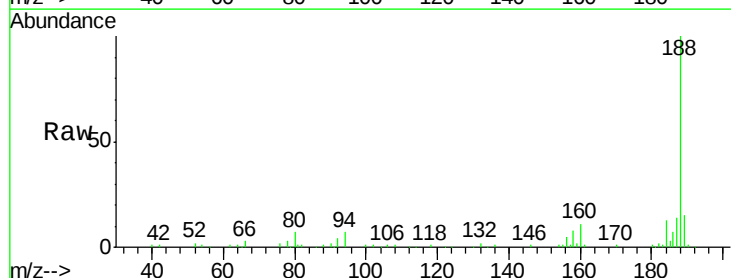
Tgt Ion:188 Resp: 119737

Ion Ratio Lower Upper

188 100

94 7.4 6.0 9.0

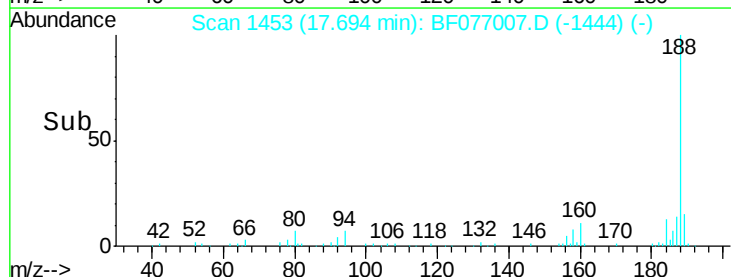
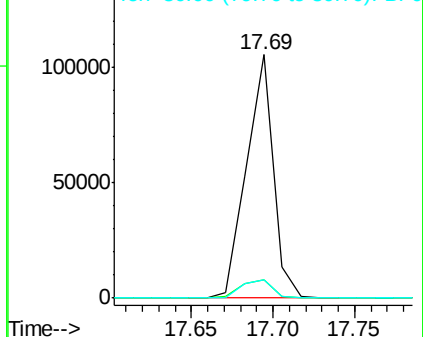
80 8.0 6.9 10.3

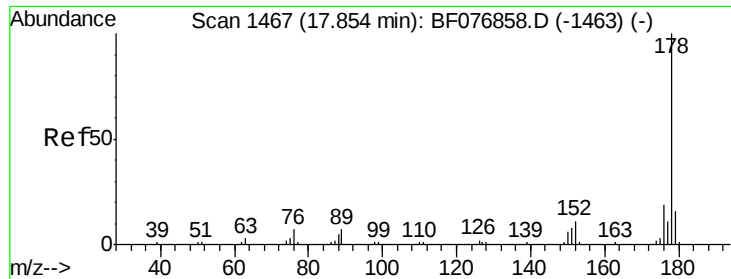


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

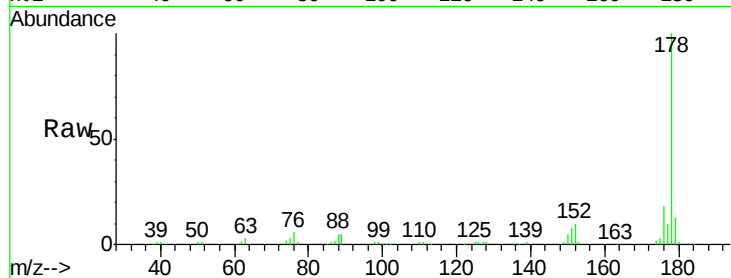




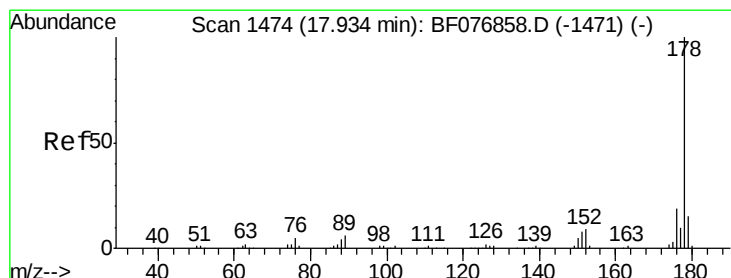
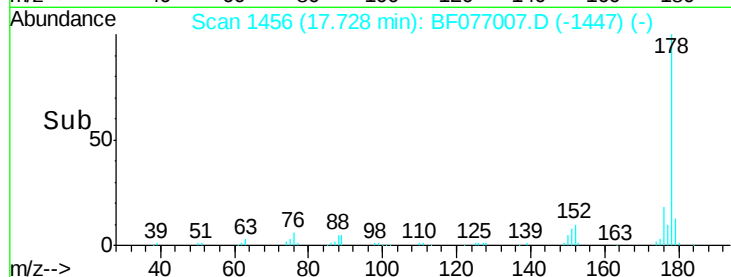
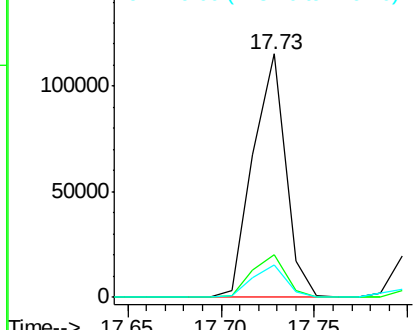
#70
Phenanthrene
Concen: 18.76 ng
RT: 17.73 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Instrument :
BNA_F
ClientSampleId :
SP-3DL2

Tot Ion:178 Resp: 140084
Ion Ratio Lower Upper
178 100
176 17.7 15.1 22.7
179 13.3 12.7 19.1

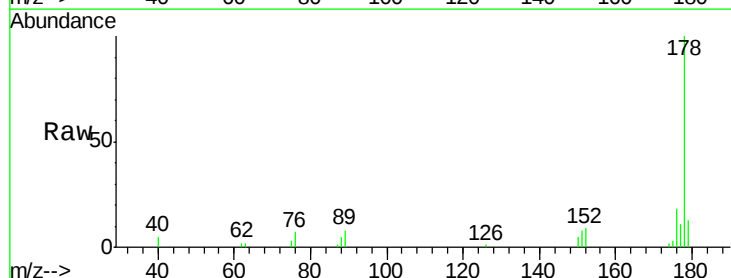


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

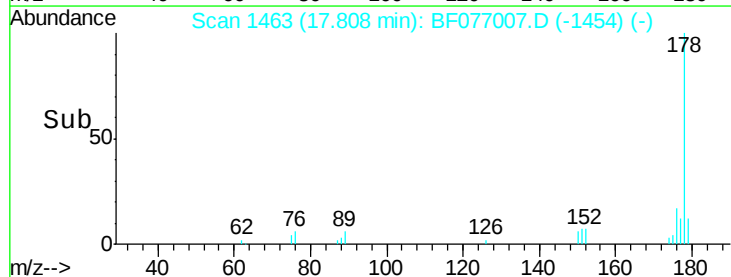
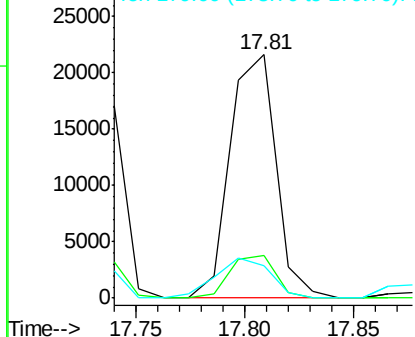


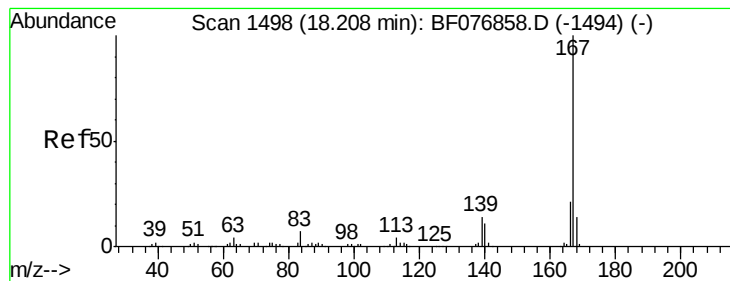
#71
Anthracene
Concen: 4.37 ng
RT: 17.81 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Tgt Ion:178 Resp: 31808
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 13.2 11.9 17.9



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





#72

Carbazole

Concen: 2.18 ng

RT: 18.09 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

SP-3DL2

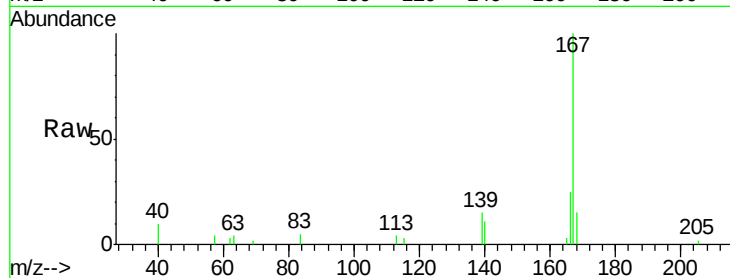
Tot Ion:167 Resp: 15401

Ion Ratio Lower Upper

167 100

166 24.8 17.0 25.6

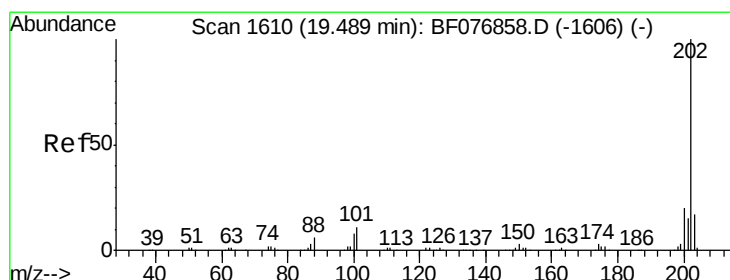
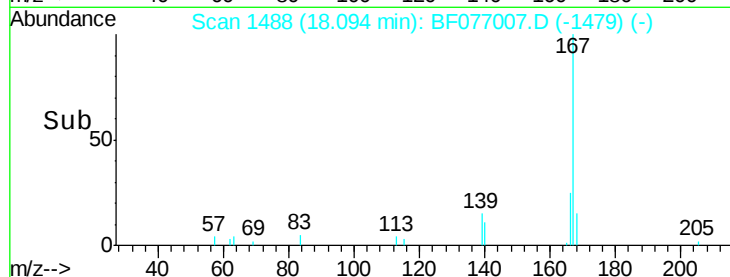
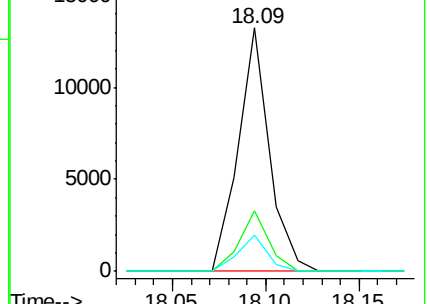
139 15.1 11.3 16.9



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: 33.51 ng

RT: 19.37 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

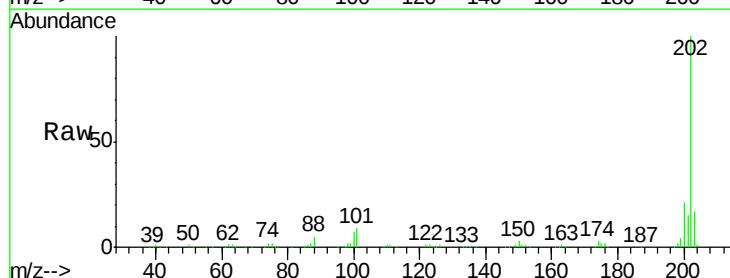
Tgt Ion:202 Resp: 256423

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.7

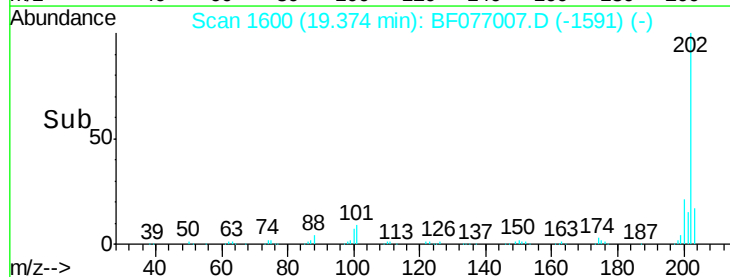
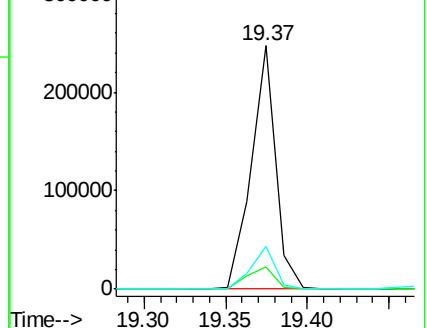
203 17.3 0.0 36.9

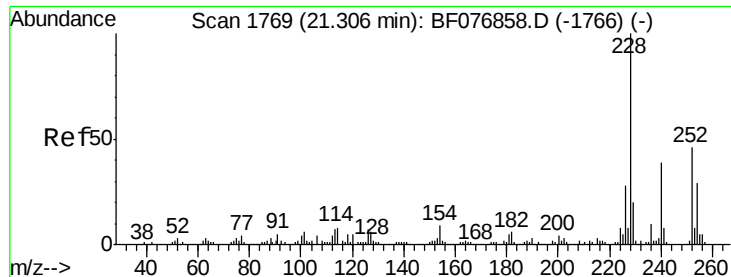


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

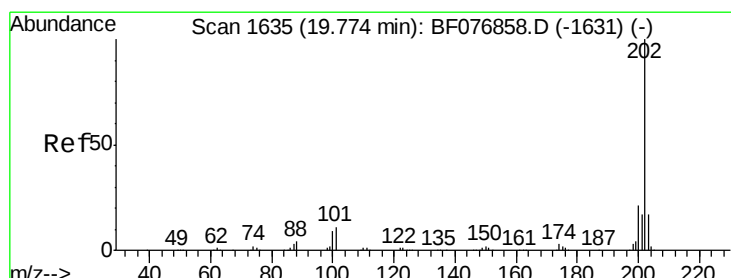
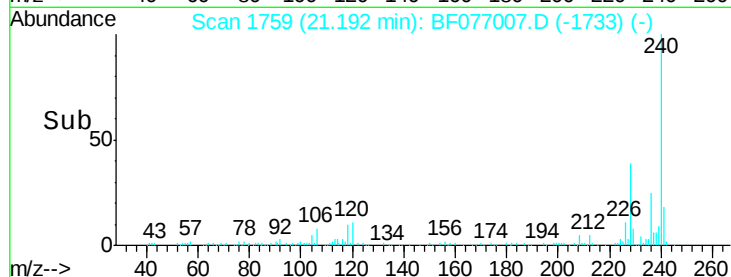
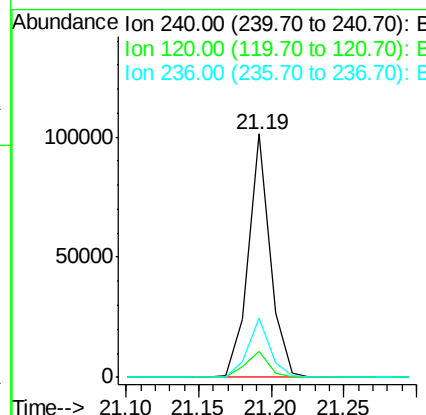
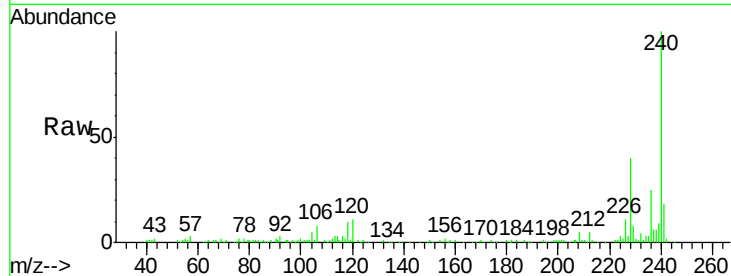




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.19 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

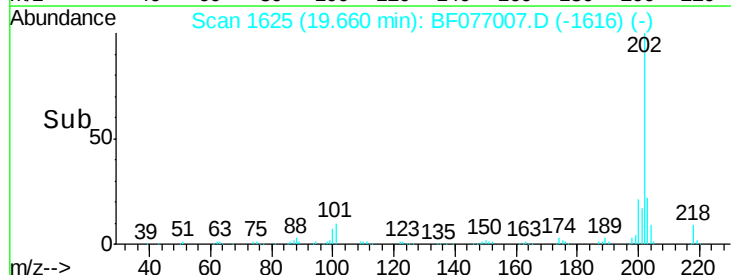
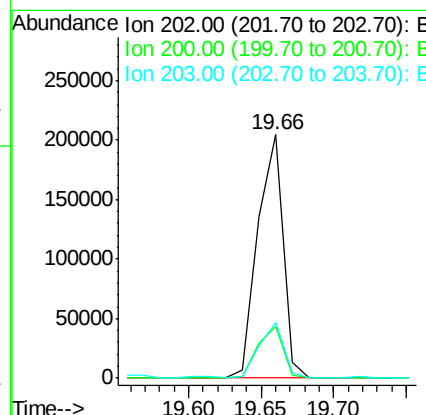
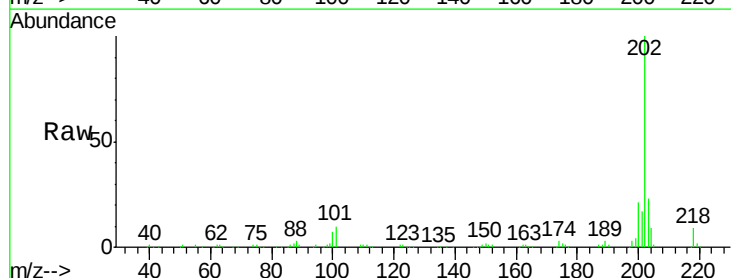
Instrument :
BNA_F
ClientSampleId :
SP-3DL2

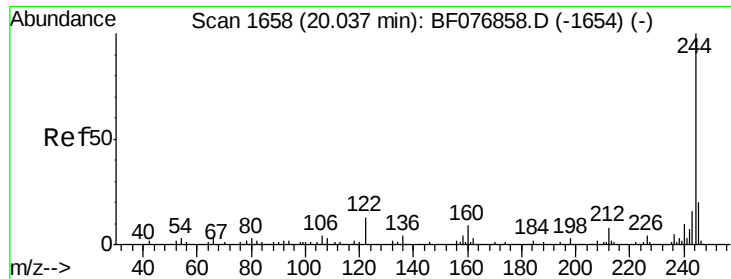
Tot Ion:240 Resp: 106175
Ion Ratio Lower Upper
240 100
120 10.9 10.4 15.6
236 24.6 20.2 30.2



#77
Pyrene
Concen: 34.19 ng
RT: 19.66 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Tgt Ion:202 Resp: 248793
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 22.5 14.0 21.0#

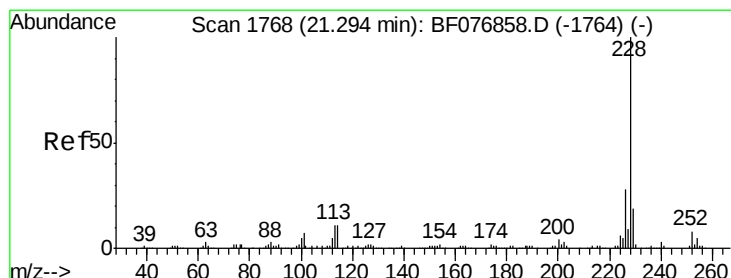
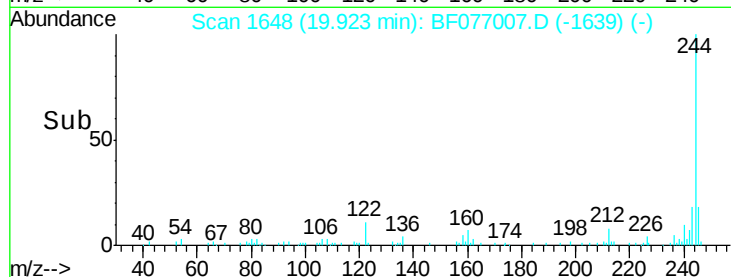
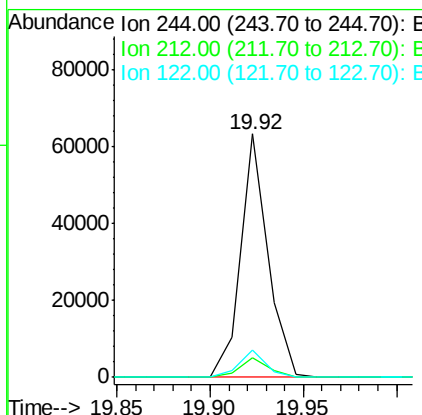
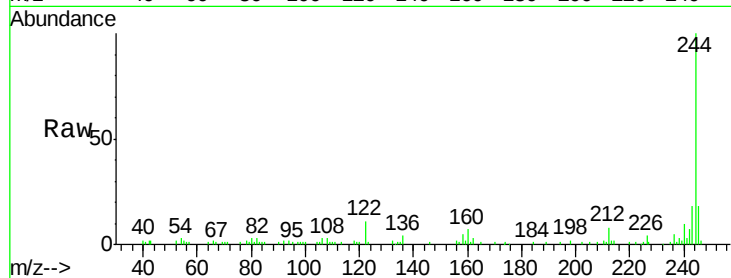




#78
 Terphenyl-d14
 Concen: 13.95 ng
 RT: 19.92 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

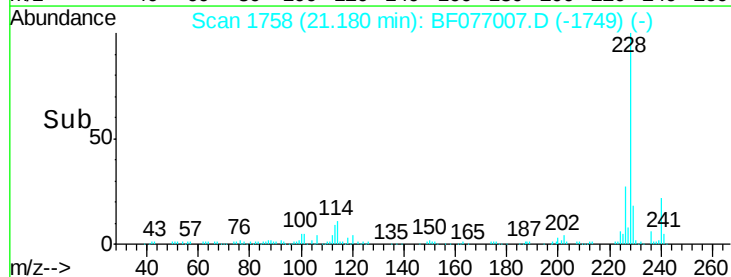
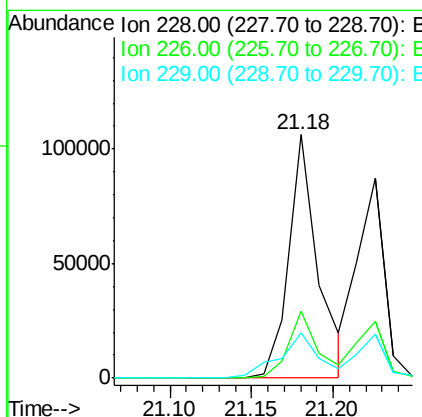
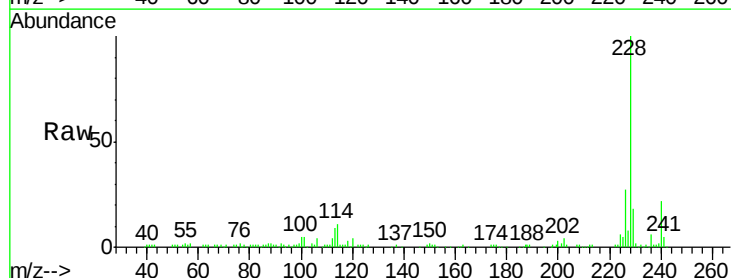
Instrument :
 BNA_F
 ClientSampleId :
 SP-3DL2

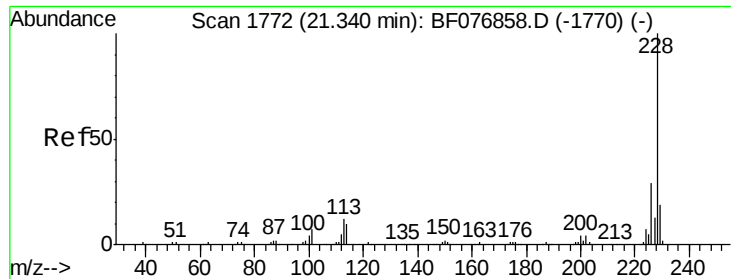
Tot Ion:244 Resp: 64330
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 11.1 10.1 15.1



#80
 Benzo(a)anthracene
 Concen: 19.99 ng
 RT: 21.18 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Tgt Ion:228 Resp: 133188
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 18.3 15.5 23.3





#82

Chrysene

Concen: 16.58 ng

RT: 21.23 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

SP-3DL2

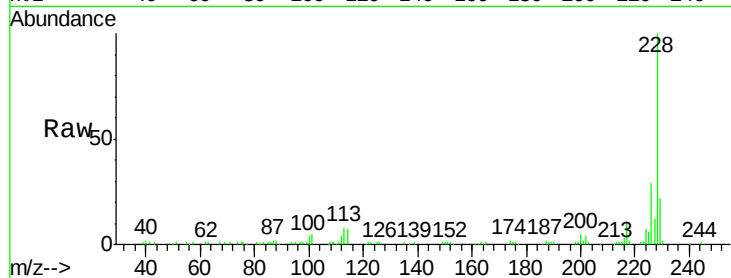
Tot Ion:228 Resp: 100749

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

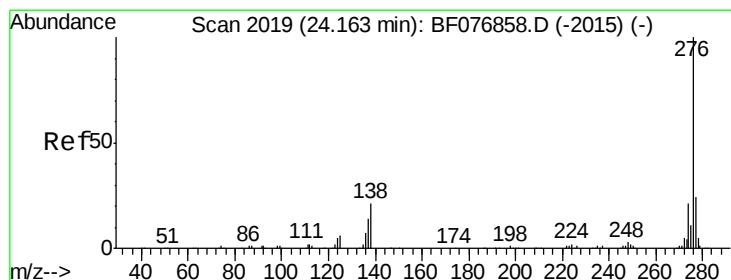
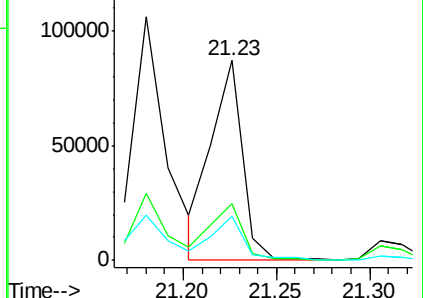
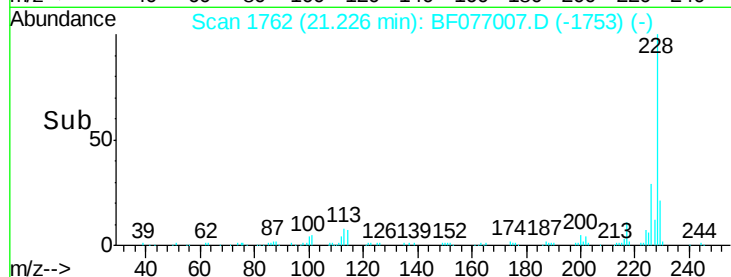
229 21.8 15.4 23.0



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: 8.29 ng

RT: 23.92 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

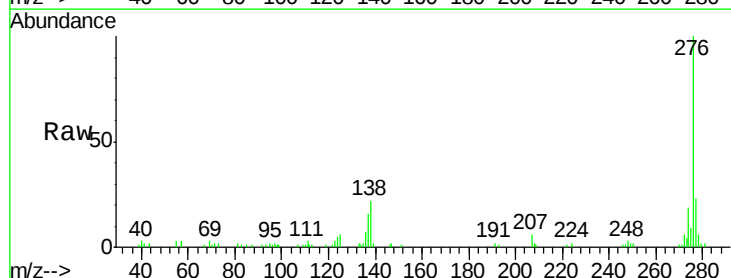
Tgt Ion:276 Resp: 53347

Ion Ratio Lower Upper

276 100

138 25.8 14.6 22.0#

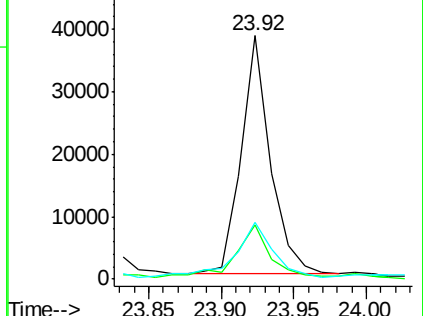
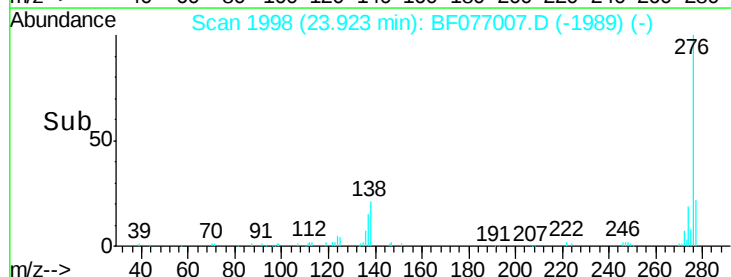
277 29.9 14.8 22.2#

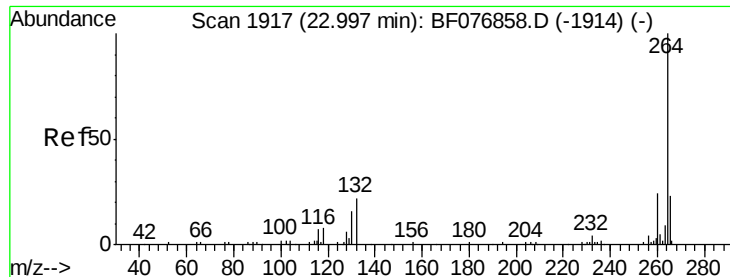


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

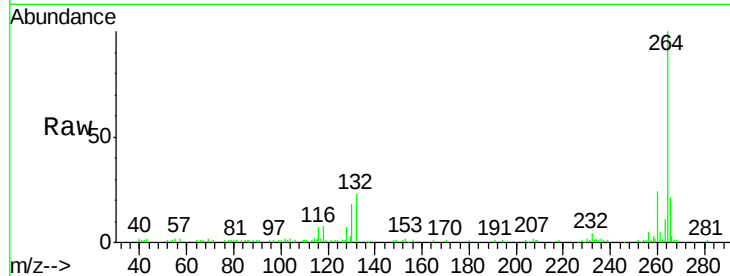




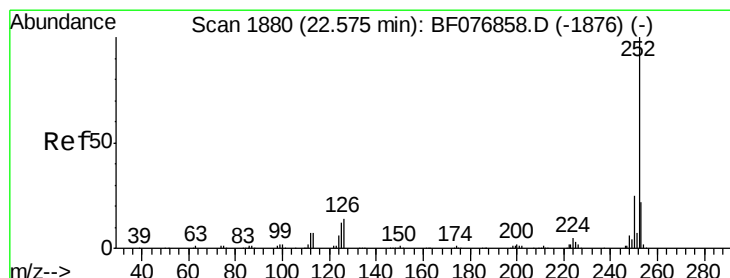
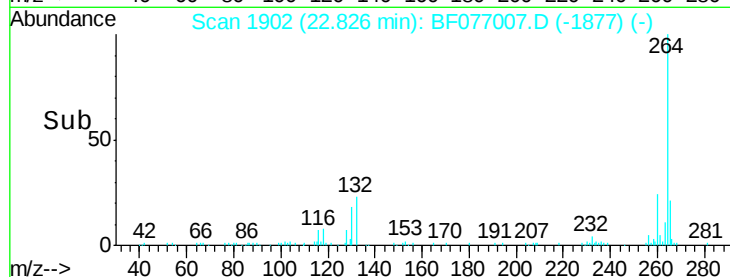
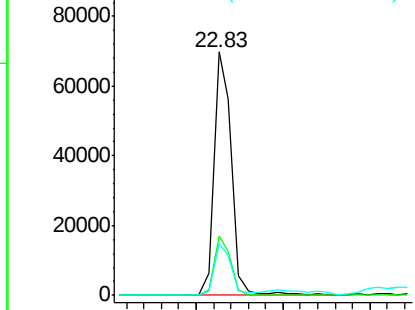
#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.83 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Instrument :
BNA_F
ClientSampleId :
SP-3DL2

Tot Ion:264 Resp: 97631
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.4 18.1 27.1

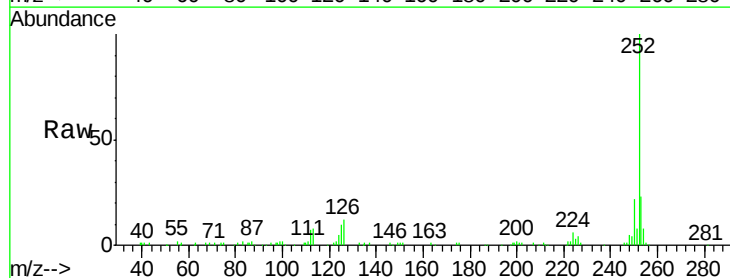


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

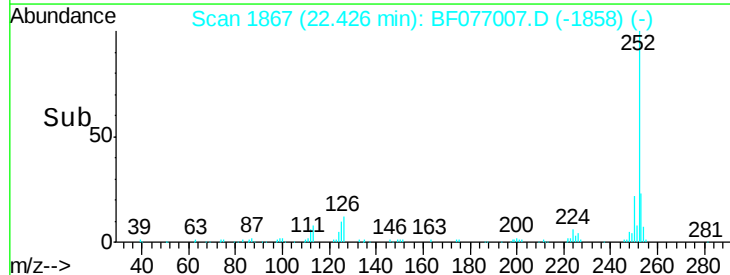
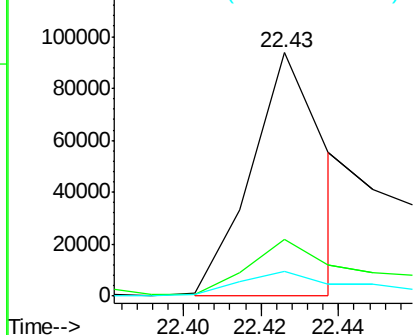


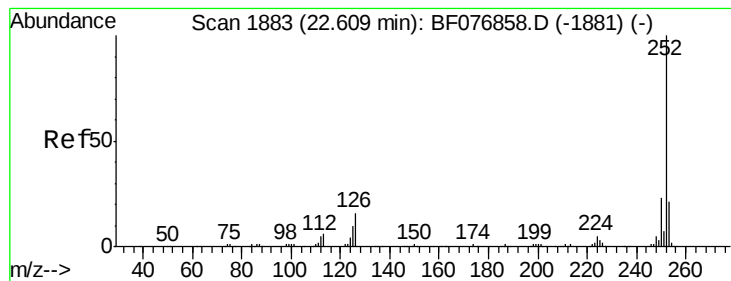
#87
Benzo(b)fluoranthene
Concen: 19.02 ng m
RT: 22.43 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Tgt Ion:252 Resp: 125066
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.4 9.4 14.0



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





#88

Benzo(k)fluoranthene

Concen: 9.76 ng/mL

RT: 22.44 min Scan# 1868

Delta R.T. -0.02 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

SP-3DL2

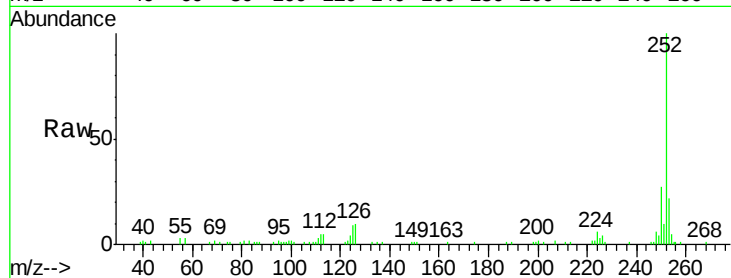
Tot Ion:252 Resp: 56078

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

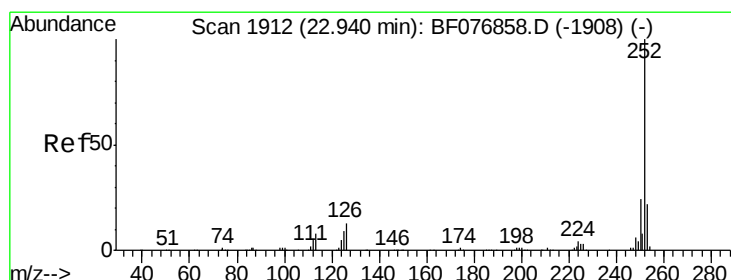
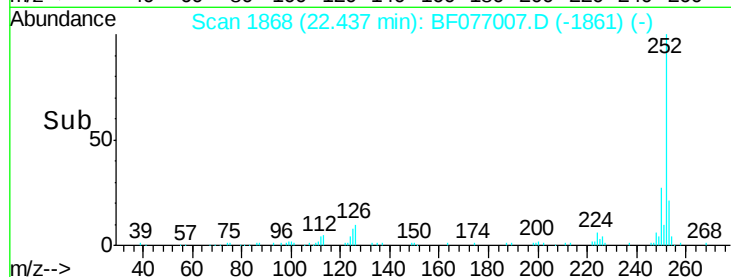
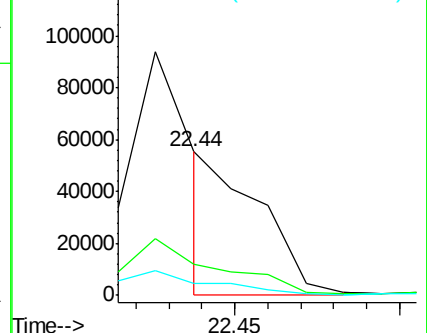
125 8.5 7.1 10.7



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: 15.62 ng/mL

RT: 22.77 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

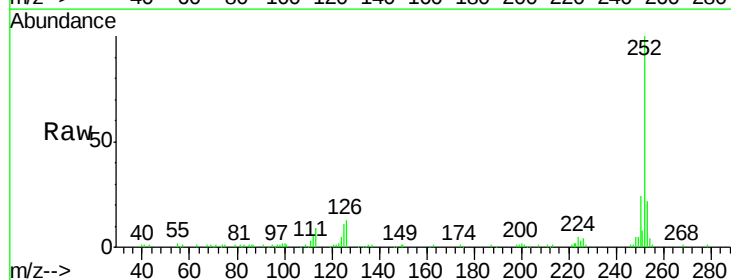
Tgt Ion:252 Resp: 90581

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

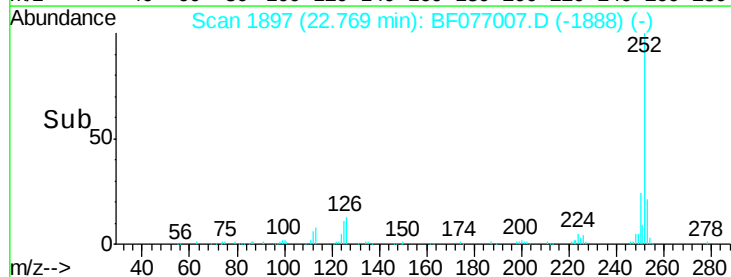
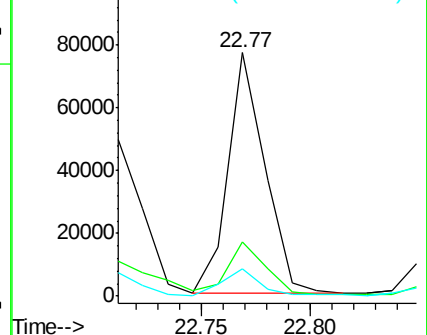
125 11.2 7.2 10.8#

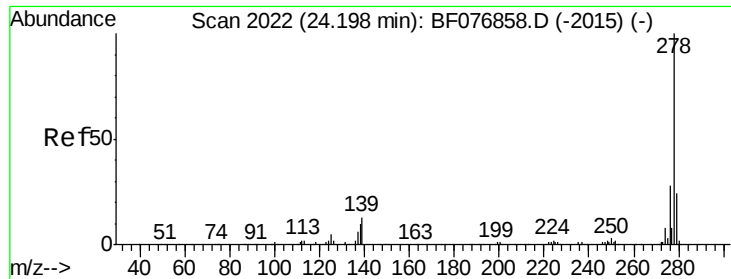


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



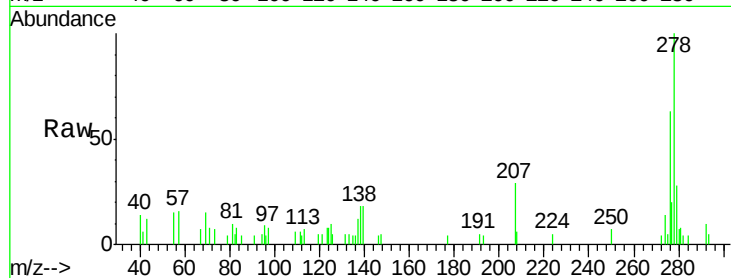


#90
Dibenzo(a,h)anthracene
Concen: 2.05 ng/mL
RT: 23.95 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

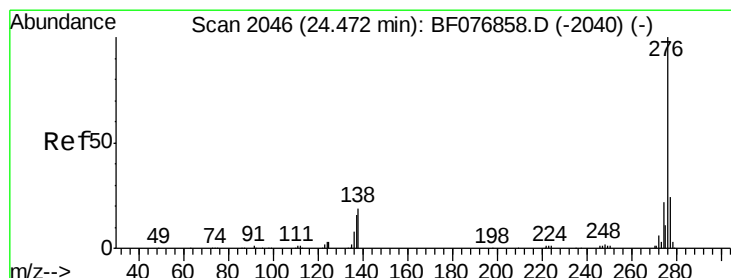
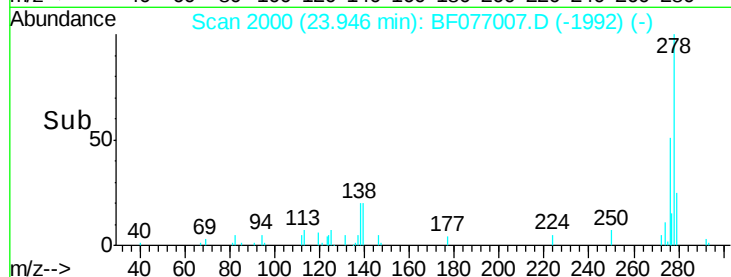
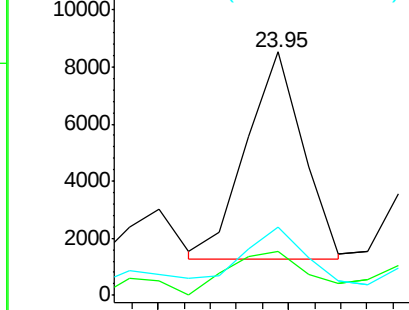
Instrument :
BNA_F
ClientSampleId :
SP-3DL2

Tot Ion:278 Resp: 10904

Ion	Ratio	Lower	Upper
278	100		
139	18.1	10.5	15.7#
279	28.0	19.3	28.9



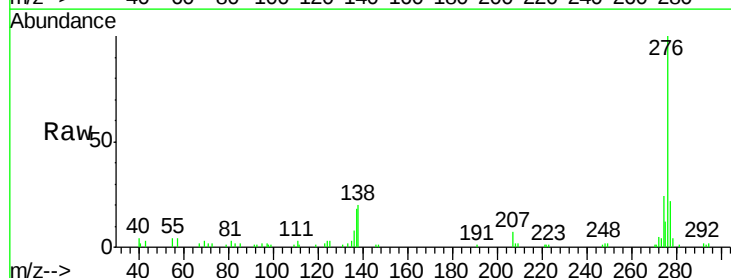
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 9.63 ng/mL
RT: 24.21 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Tgt Ion:276 Resp: 50925

Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.5	29.3
138	19.6	15.0	22.6



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

