

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 :

Quant Time: Jan 22 02:38:07 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

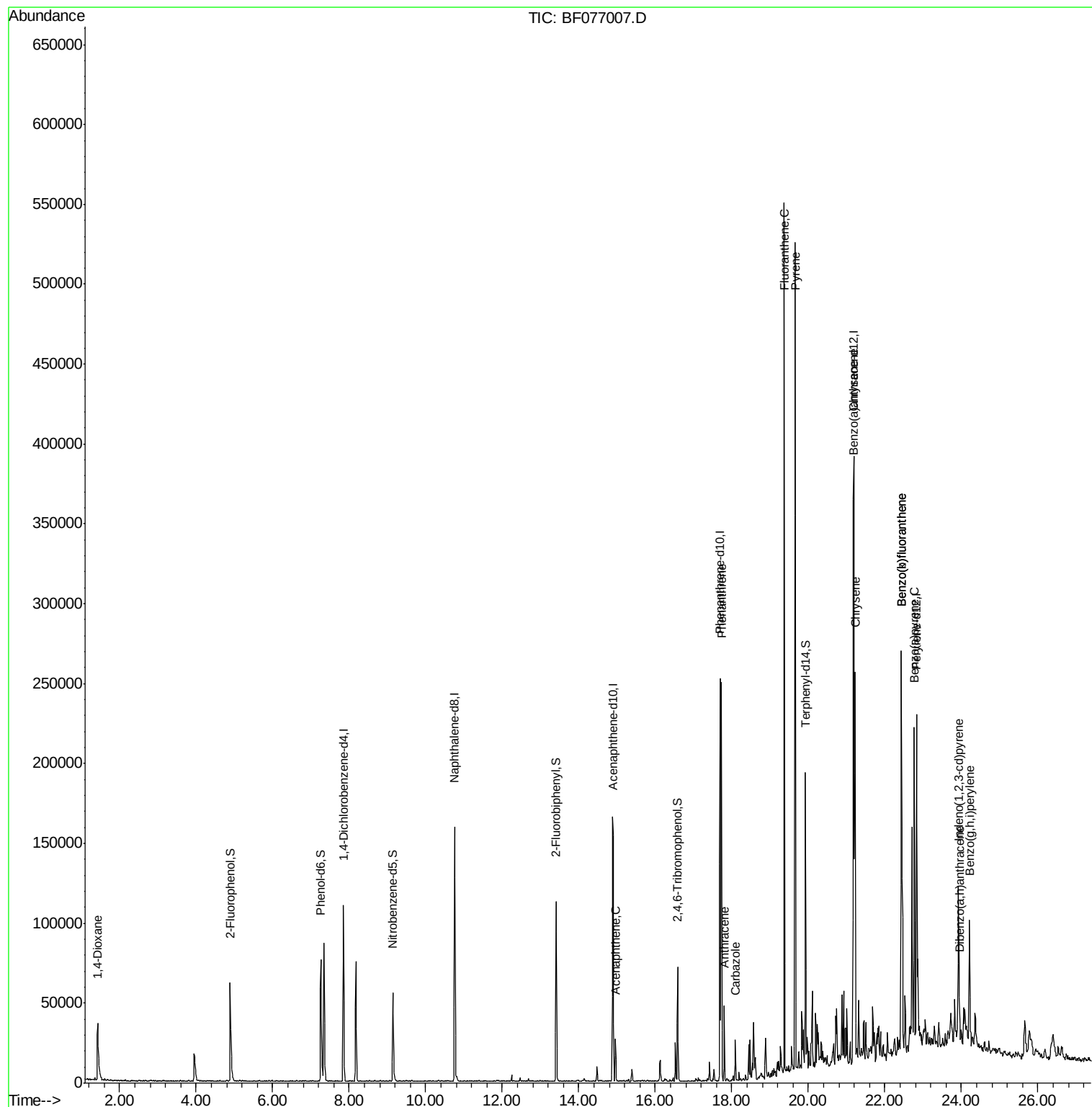
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	30134	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	131258	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	71709	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	119737	20.00	ng	0.00
75) Chrysene-d12	21.19	240	106175	20.00	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
2) 1,4-Dioxane	1.43	88	1937	2.47	ng	# 12
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	182728	27.79	ng	97
88) Benzo(k)fluoranthene	22.43	252	182518	31.77	ng	96
89) Benzo(a)pyrene	22.77	252	90581	15.62	ng	# 98
90) Dibenzo(a,h)anthracene	23.95	278	13109	2.46	ng	# 90
91) Benzo(a,h,i)perylene	24.21	276	50925	9.63	ng	97

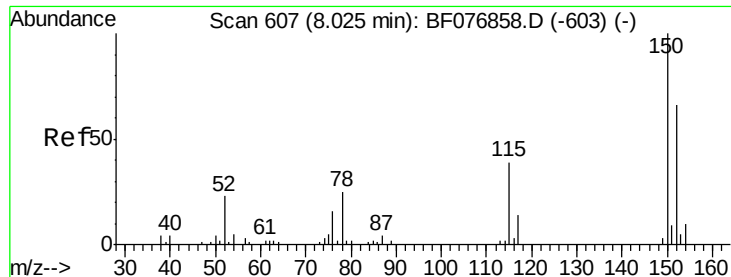
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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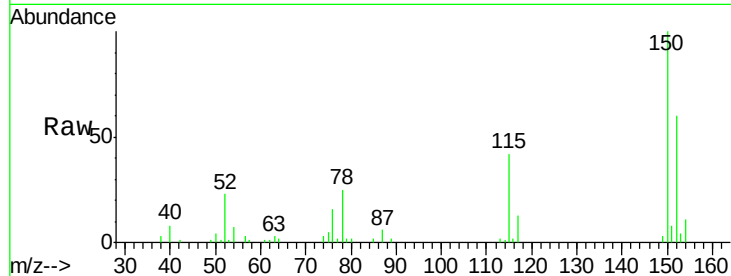


#1

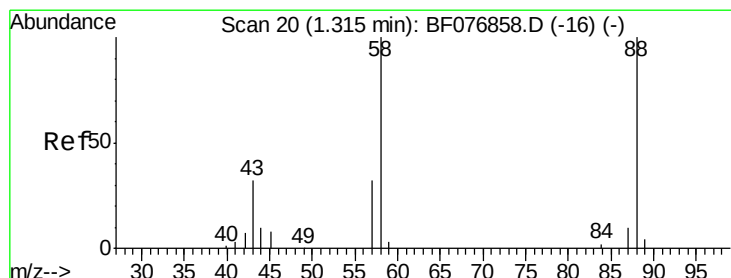
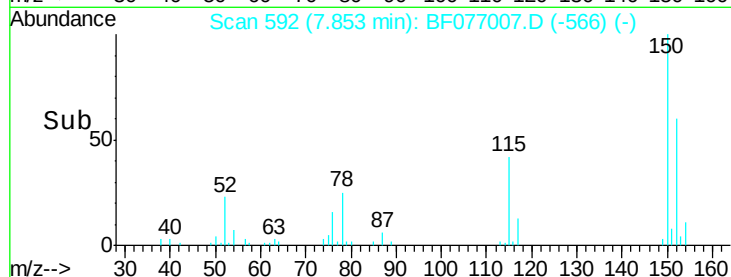
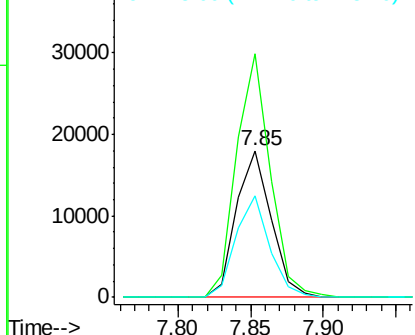
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Instrument :
BNA_F
ClientSampleId :

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



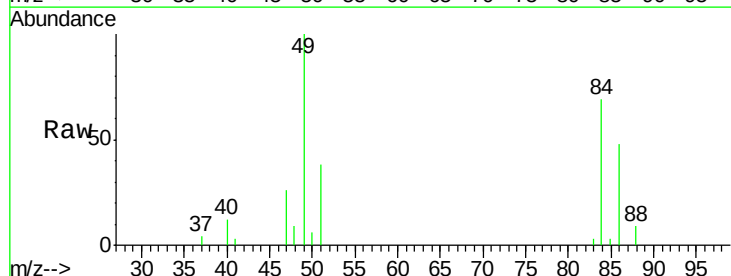
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



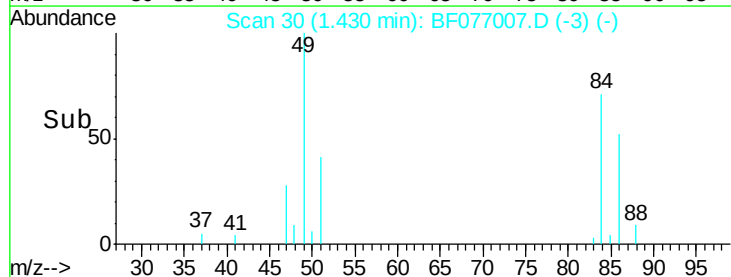
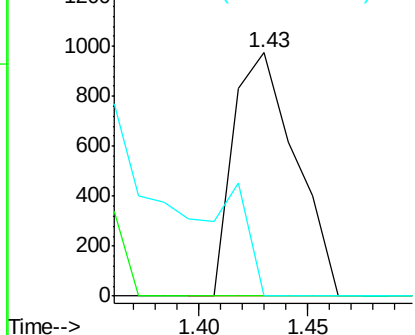
#2

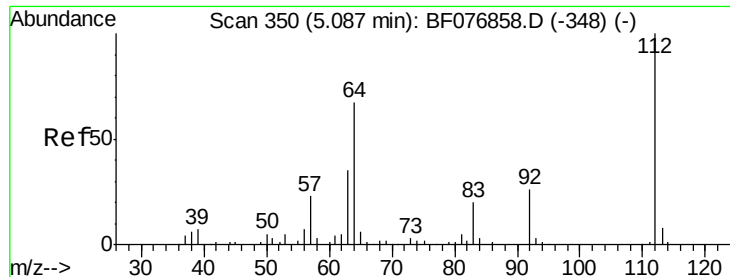
1,4-Dioxane
Concen: 2.47 ng
RT: 1.43 min Scan# 30
Delta R.T. 0.21 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

Tgt Ion: 88 Resp: 1937
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 22.24 ng

RT: 4.90 min Scan# 334

Delta R.T. -0.00 min

Lab File: BF077007.D

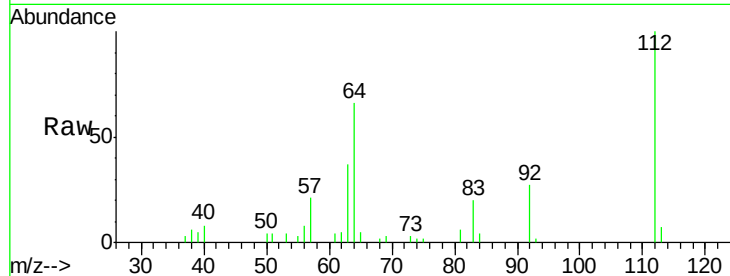
Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampled :

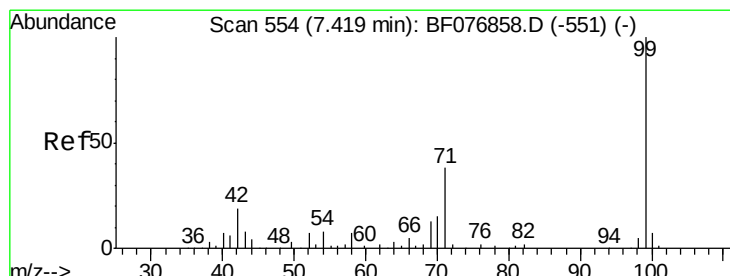
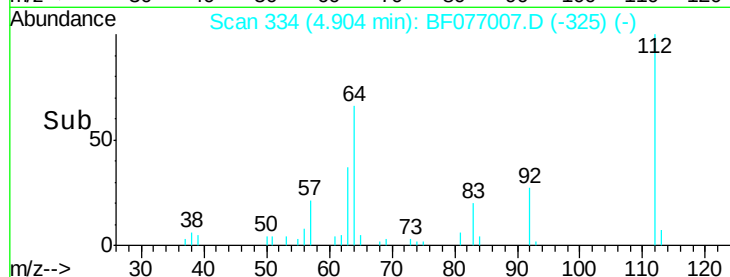
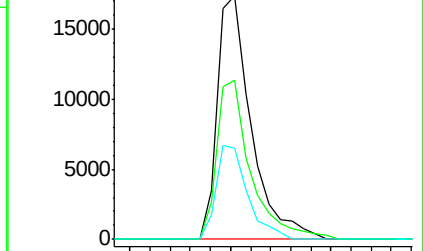
Tot Ion:	112	Resp:	40765
Ion	Ratio	Lower	Upper
112	100		
64	65.6	54.2	81.4
63	37.4	28.4	42.6



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

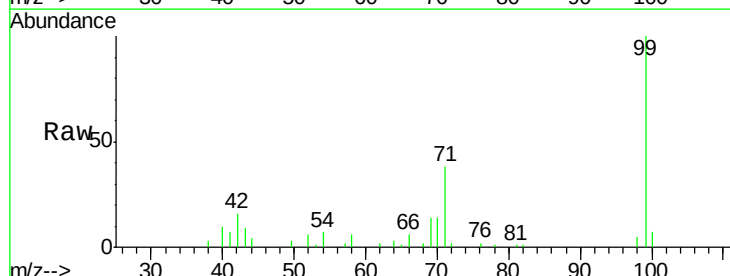
RT: 7.26 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

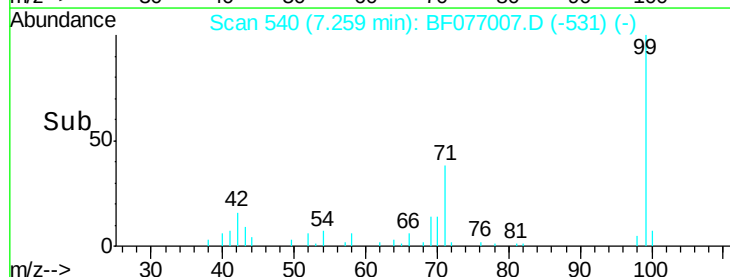
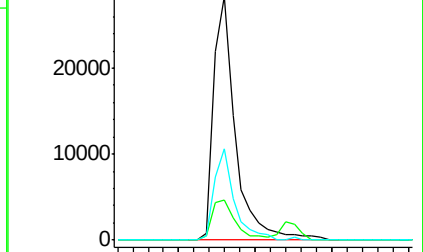
Tgt Ion:	99	Resp:	55912
Ion	Ratio	Lower	Upper
99	100		
42	16.3	15.0	22.4
71	37.6	30.5	45.7

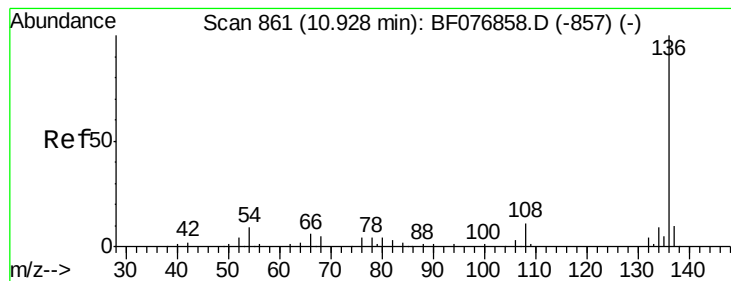


Abundance Ion 99.00 (98.70 to 99.70): BF0

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

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 131258

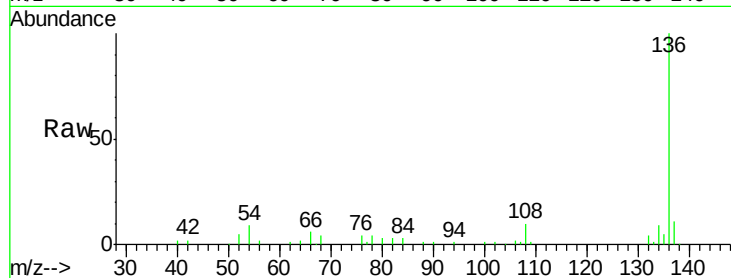
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 9.2 7.0 10.4

68 4.2 3.7 5.5

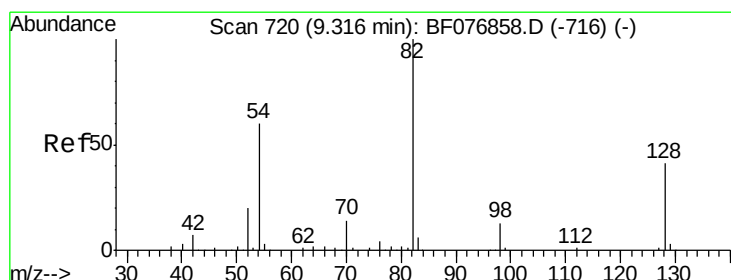
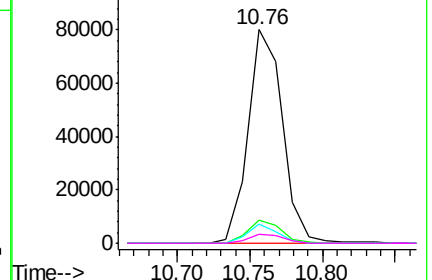
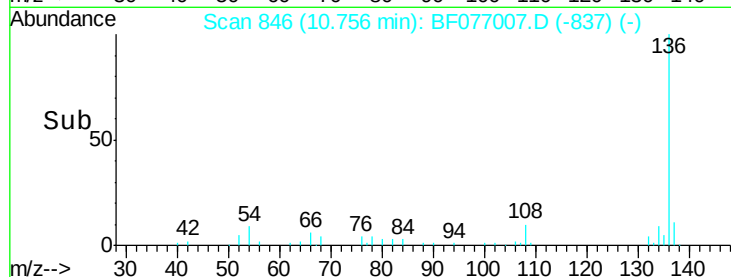


Abundance Ion 136.00 (135.70 to 136.70): E

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

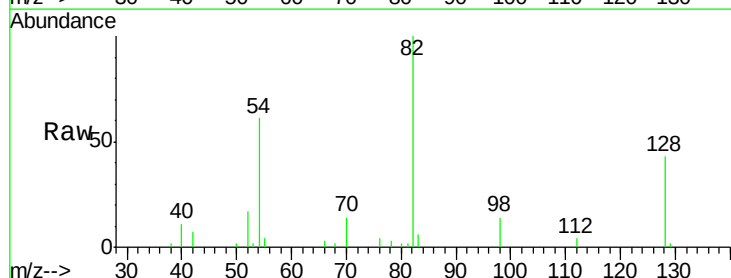
Tgt Ion: 82 Resp: 32107

Ion Ratio Lower Upper

82 100

128 43.0 33.1 49.7

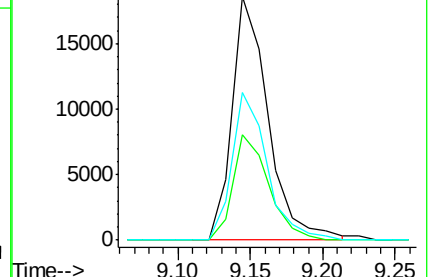
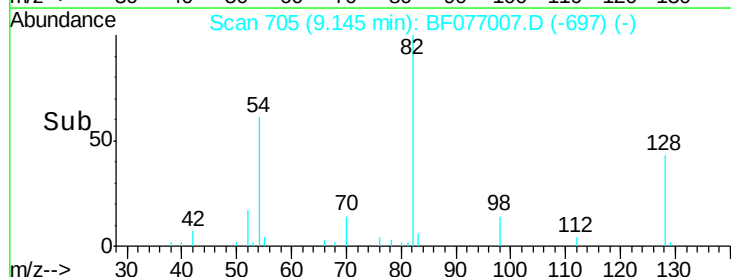
54 60.7 48.3 72.5

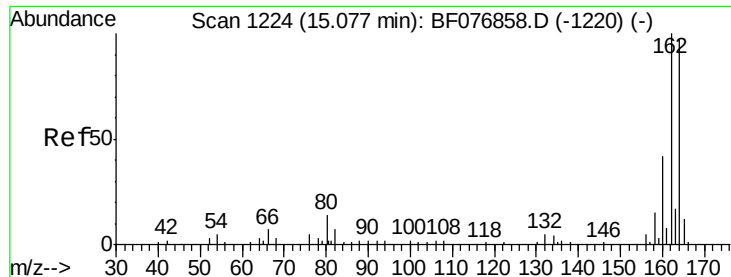


Abundance Ion 82.00 (81.70 to 82.70): BF0

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

Instrument :

BNA_F

ClientSampleId :

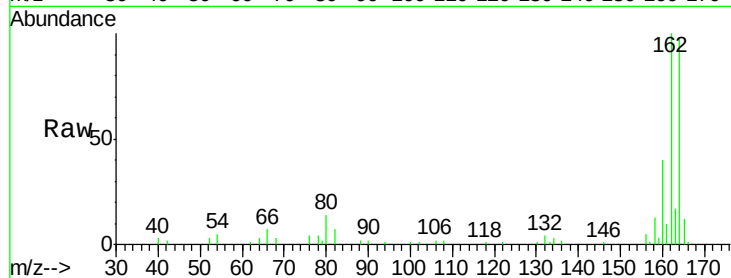
Tot Ion:164 Resp: 71709

Ion Ratio Lower Upper

164 100

162 101.6 82.4 123.6

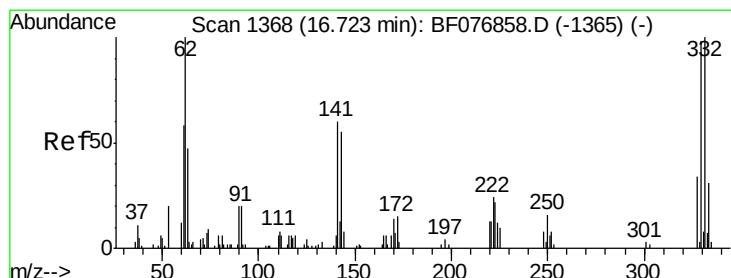
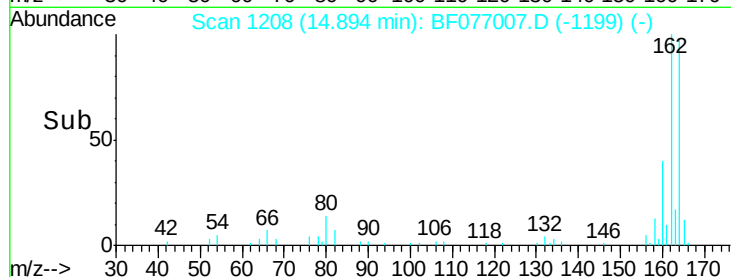
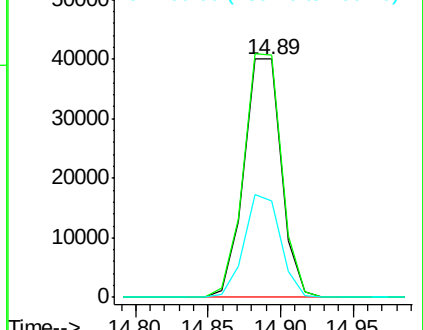
160 40.3 34.8 52.2



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

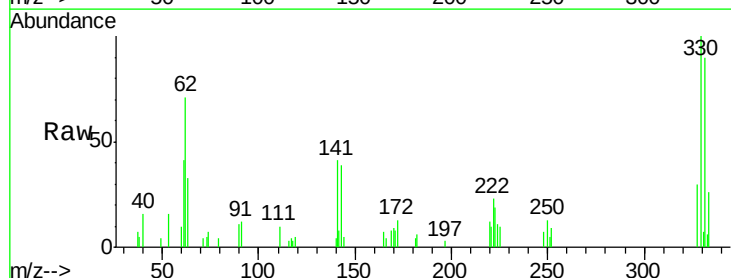
Tgt Ion:330 Resp: 11602

Ion Ratio Lower Upper

330 100

332 91.5 77.8 116.6

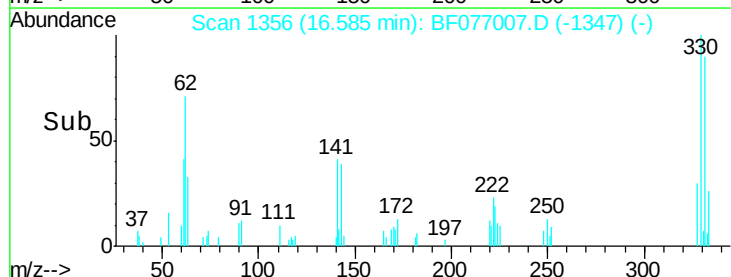
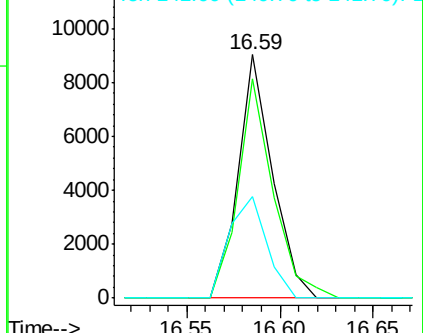
141 45.3 38.5 57.7

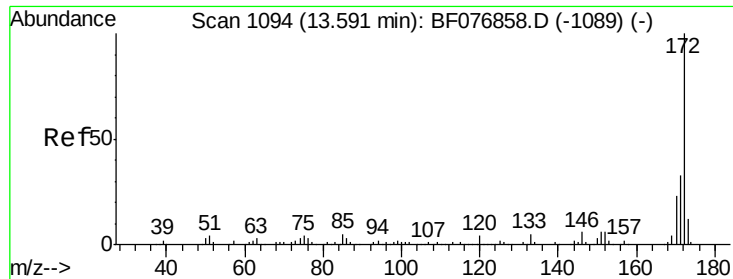


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

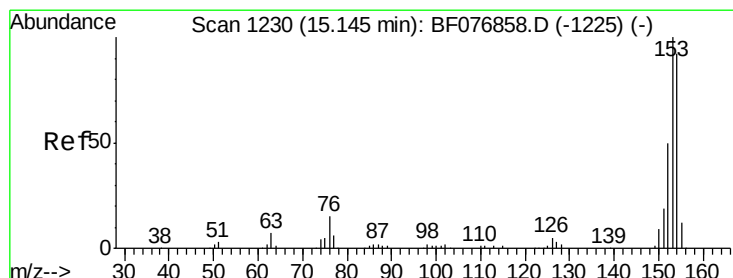
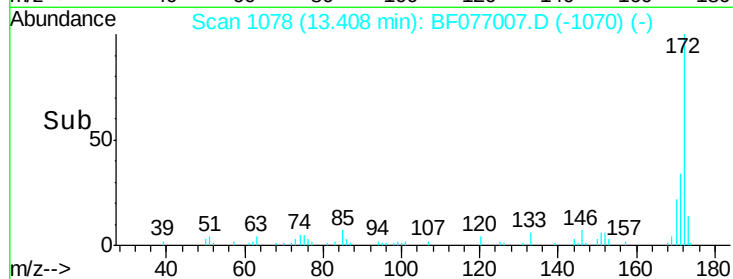
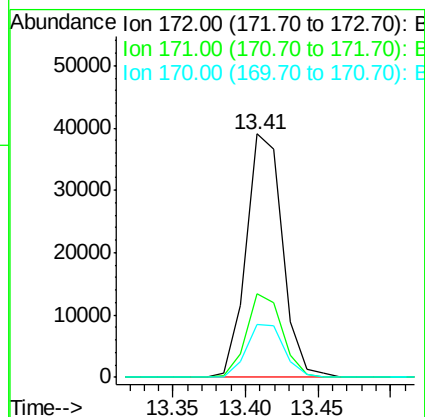
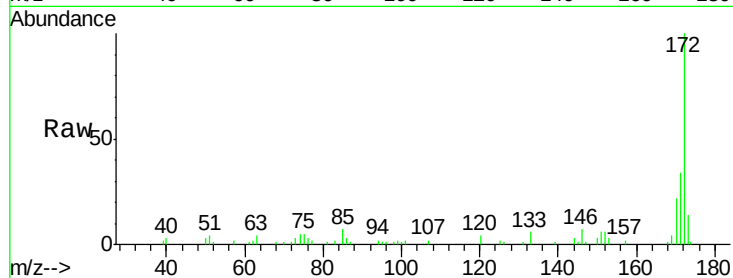




#44
 2-Fluorobiphenyl
 Concen: 14.35 ng
 RT: 13.41 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

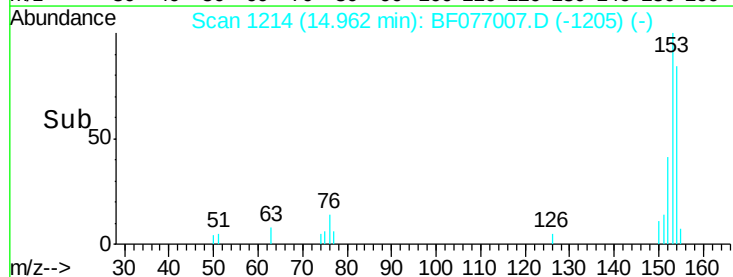
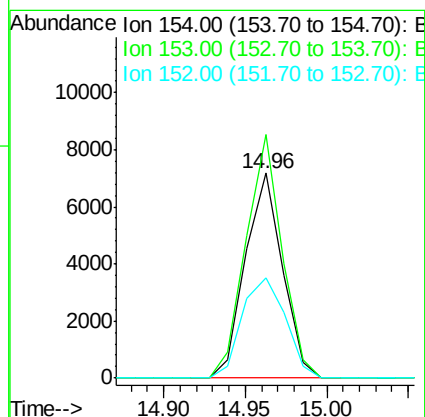
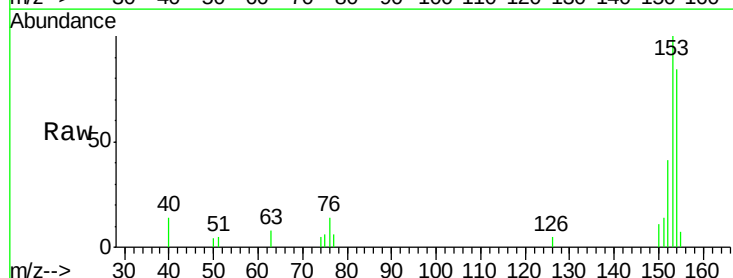
Instrument :
 BNA_F
 ClientSampleId :

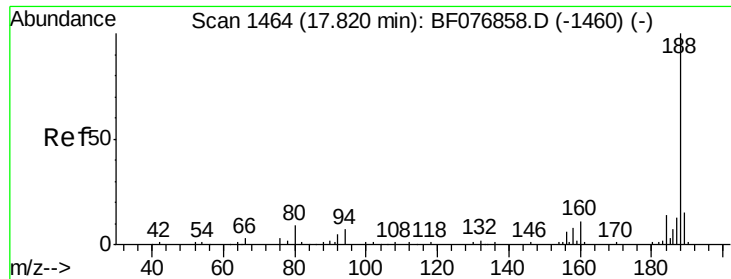
Tot Ion:172 Resp: 67616
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.6 40.0
 170 21.6 18.0 27.0



#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

Tgt Ion:154 Resp: 11309
 Ion Ratio Lower Upper
 154 100
 153 118.7 87.0 130.6
 152 48.6 43.5 65.3

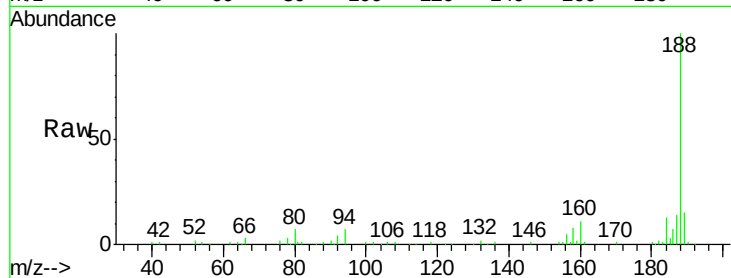




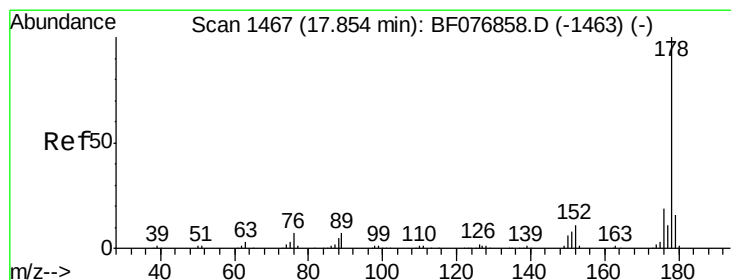
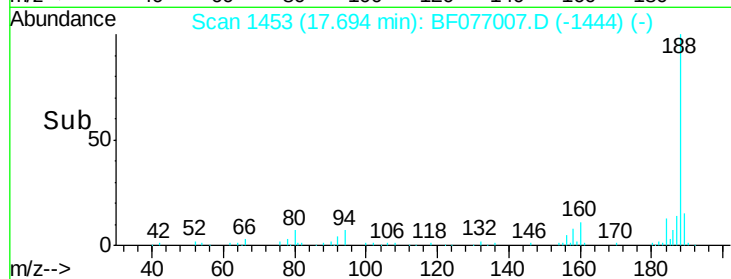
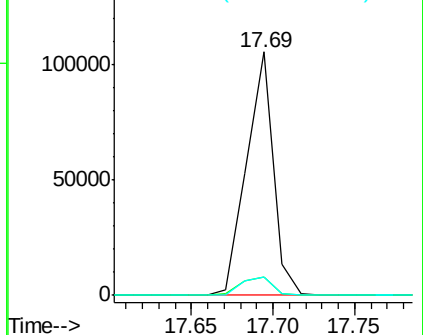
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.69 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 119737
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.0 9.0
 80 8.0 6.9 10.3

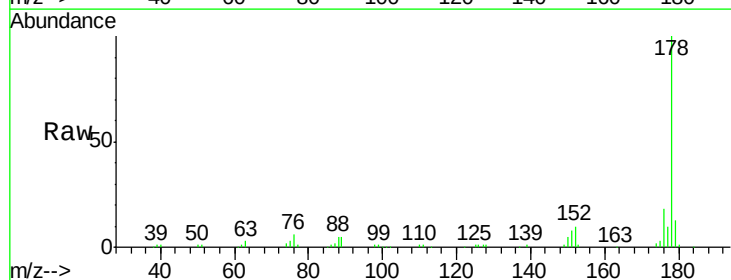


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

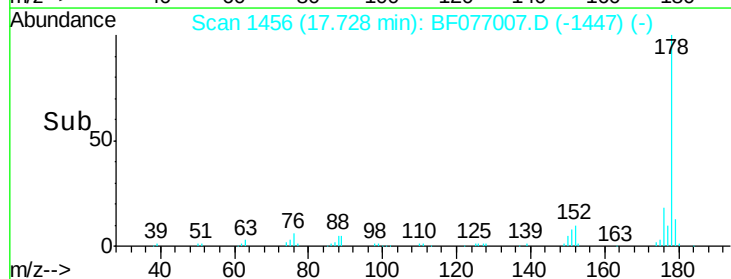
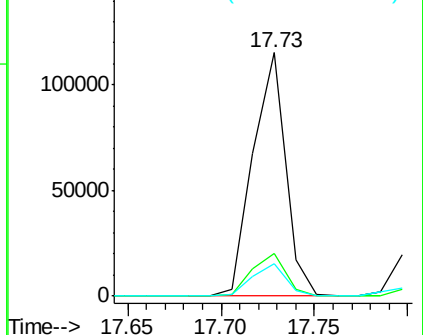


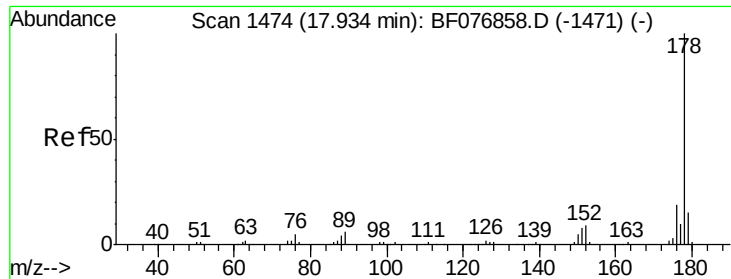
#70
 Phenanthrene
 Concen: 18.76 ng
 RT: 17.73 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Tgt 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

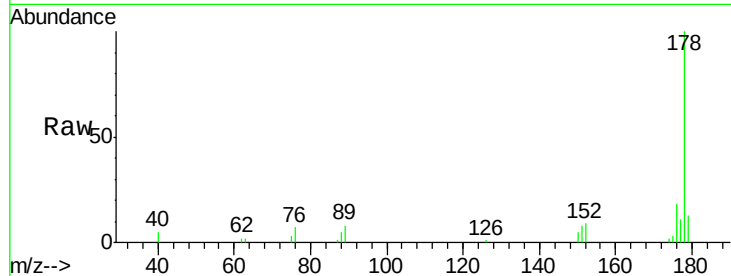




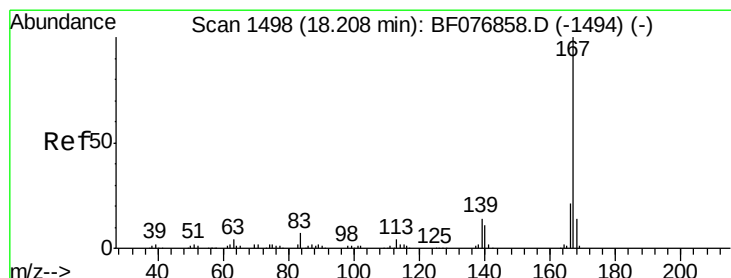
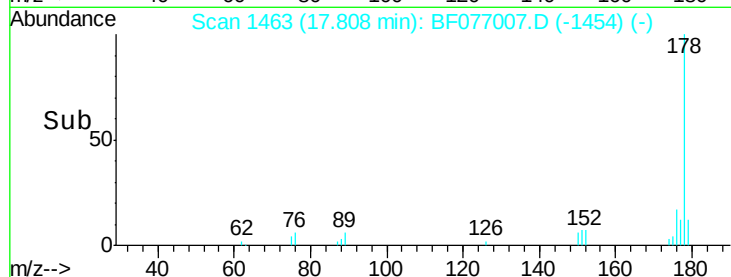
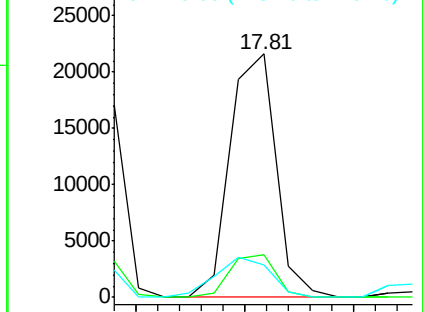
#71
 Anthracene
 Concen: 4.37 ng
 RT: 17.81 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :

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

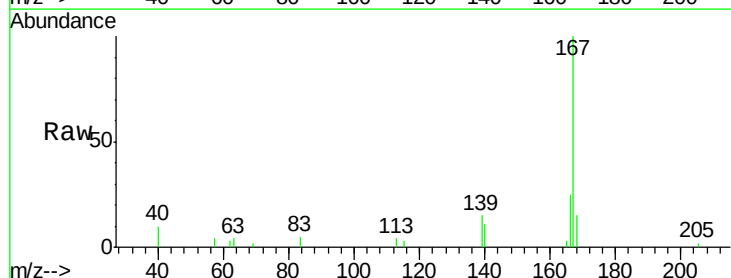


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

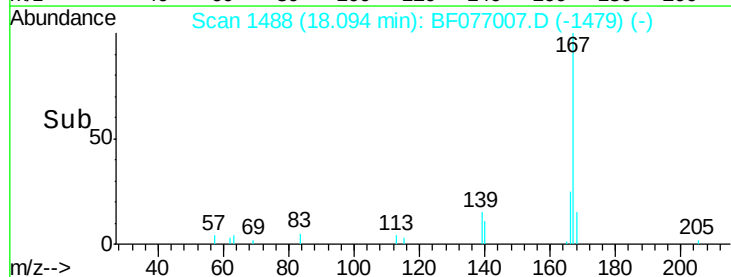
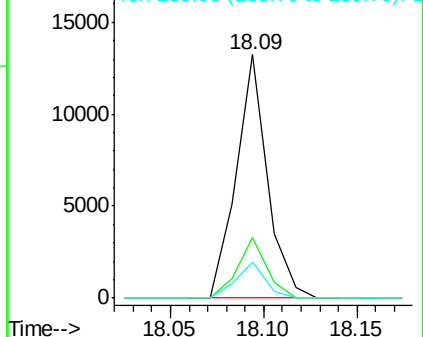


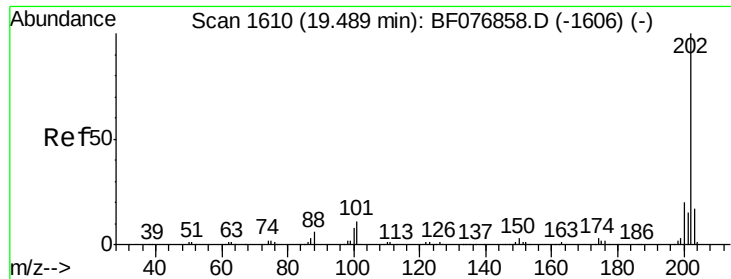
#72
 Carbazole
 Concen: 2.18 ng
 RT: 18.09 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Tgt 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

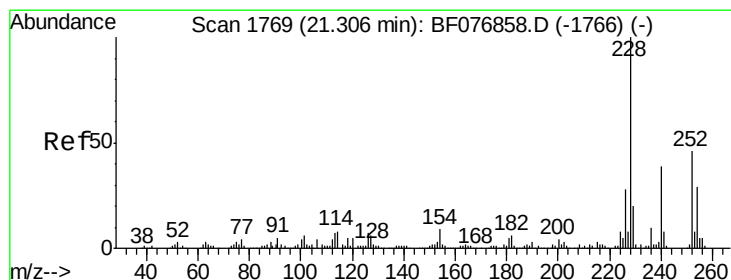
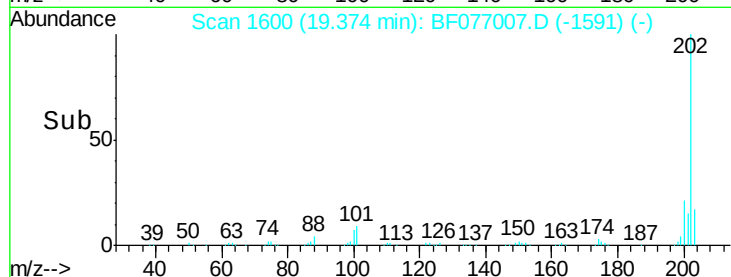
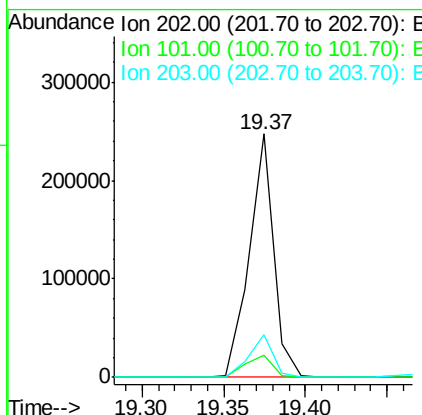
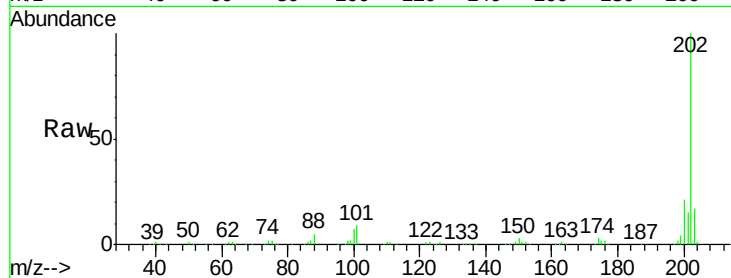




#74
 Fluoranthene
 Concen: 33.51 ng
 RT: 19.37 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

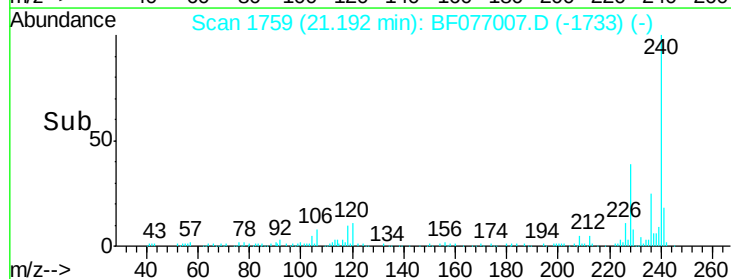
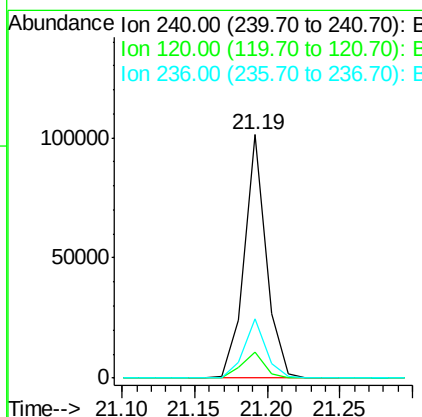
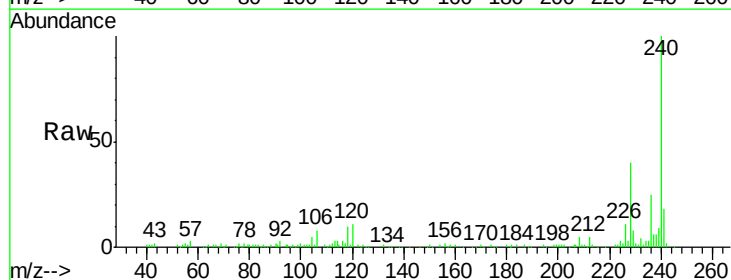
Instrument :
 BNA_F
 ClientSampleId :

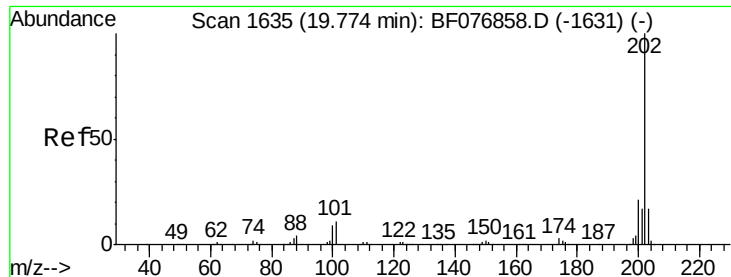
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.7
203	17.3	0.0	36.9



#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

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	24.6	20.2	30.2





#77

Pvrene

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

Instrument :

BNA_F

ClientSampled :

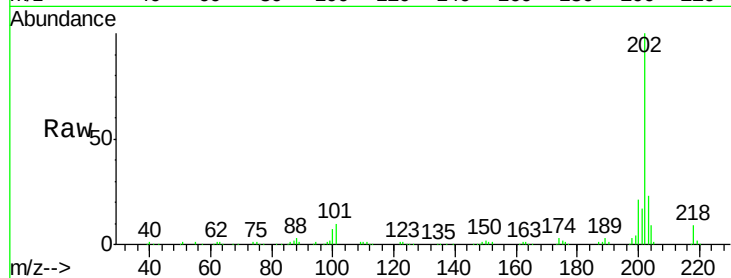
Tot Ion:202 Resp: 248793

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

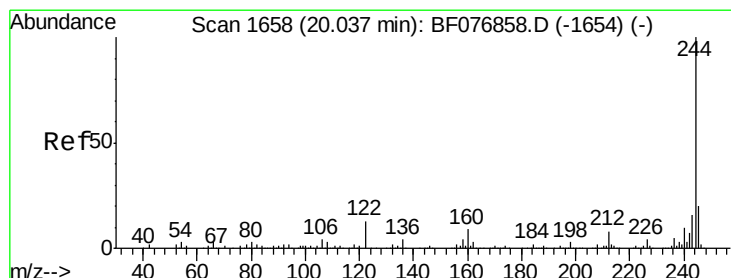
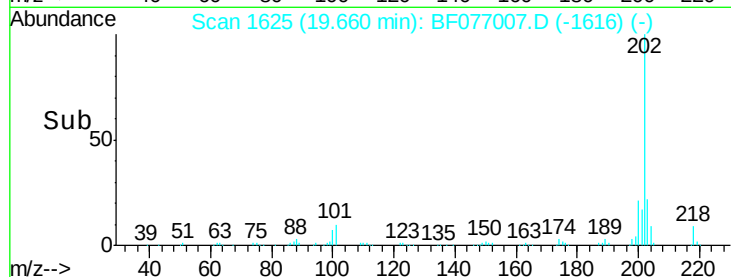
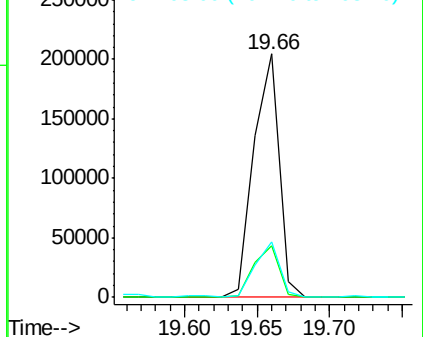
203 22.5 14.0 21.0#



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: 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

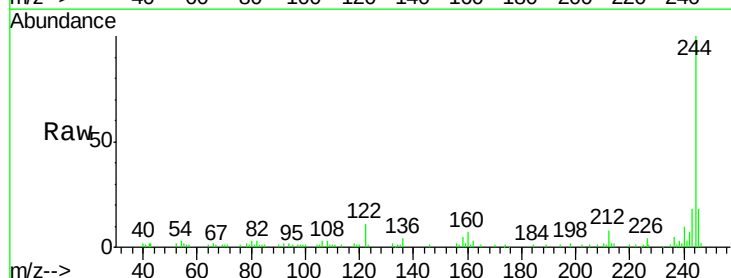
Tgt Ion:244 Resp: 64330

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

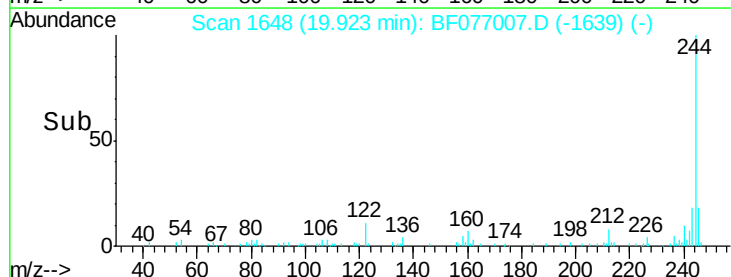
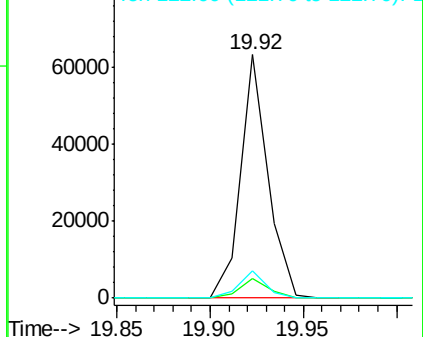
122 11.1 10.1 15.1

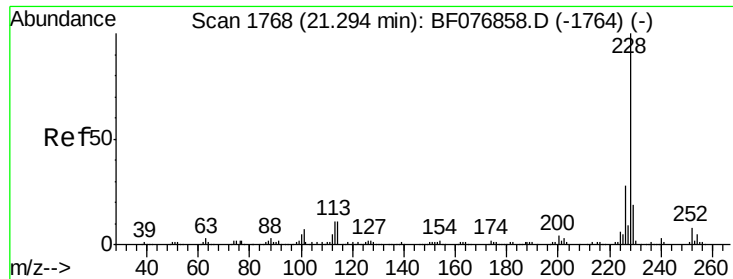


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

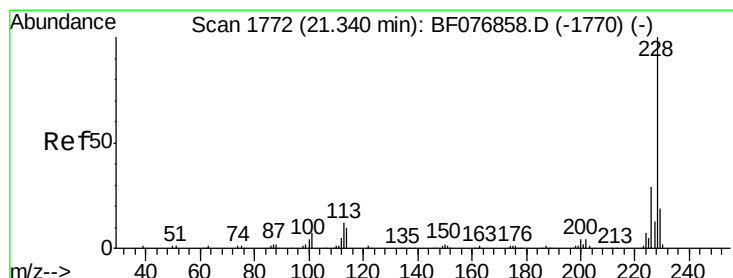
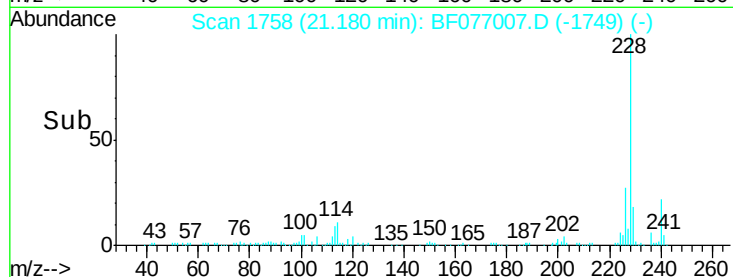
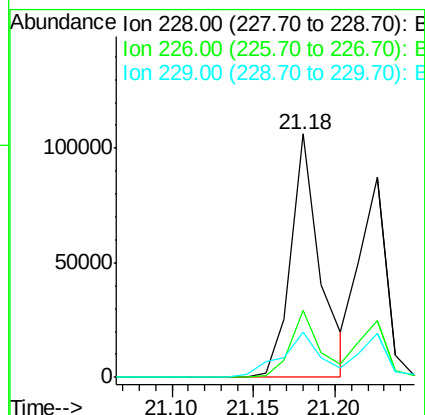
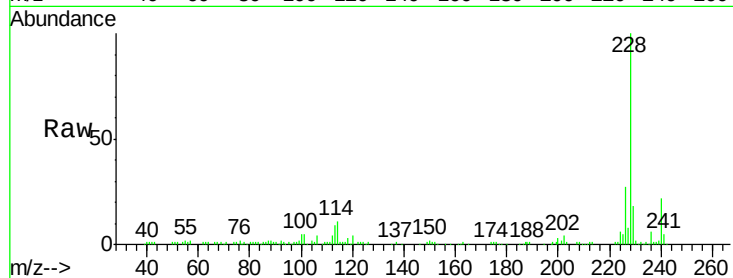




#80
Benzo(a)anthracene
Concen: 19.99 ng
RT: 21.18 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

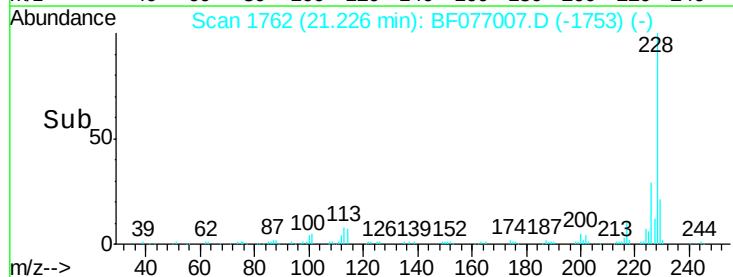
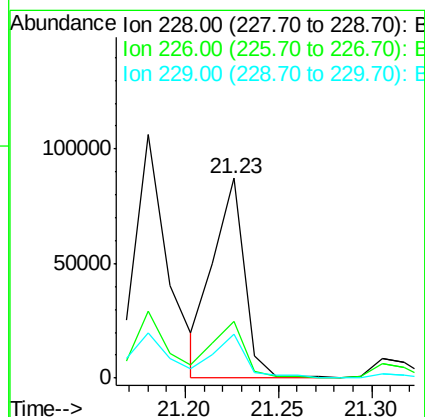
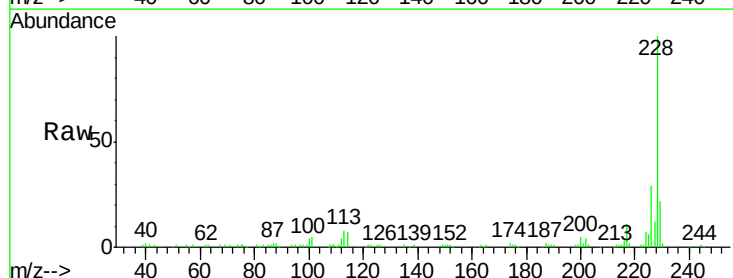
Instrument :
BNA_F
ClientSampled :

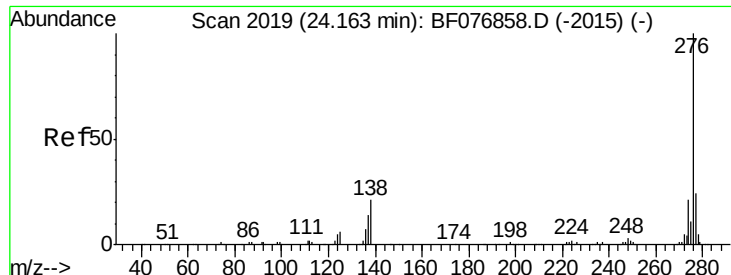
Tot Ion:228 Resp: 133188
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 18.3 15.5 23.3



#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

Tgt Ion:228 Resp: 100749
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.0
229 21.8 15.4 23.0

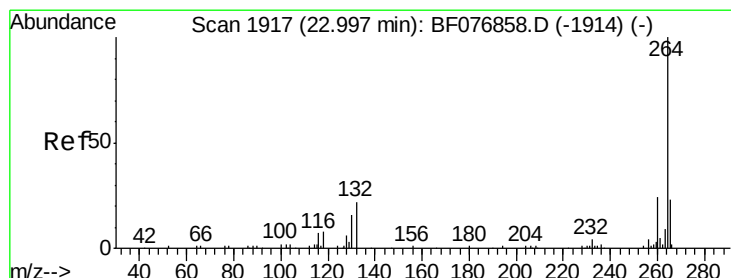
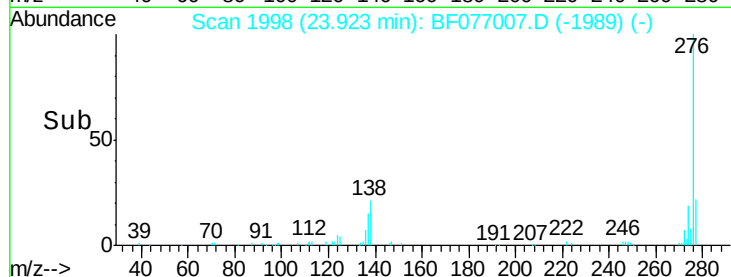
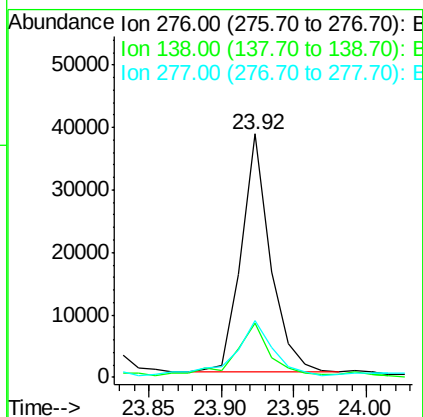
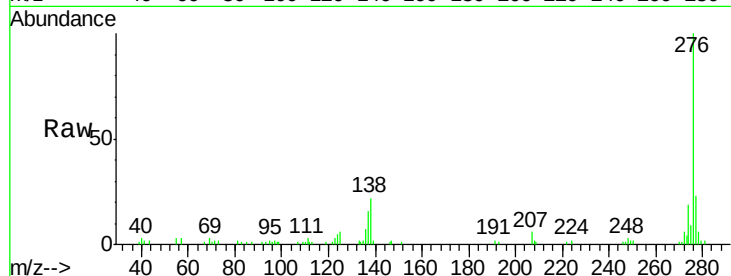




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.29 ng
RT: 23.92 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BF077007.D
Acq: 21 Jan 2015 21:33

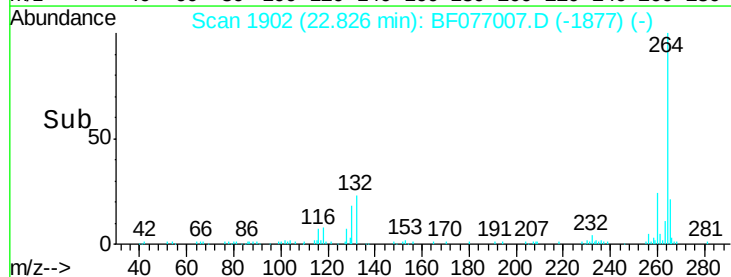
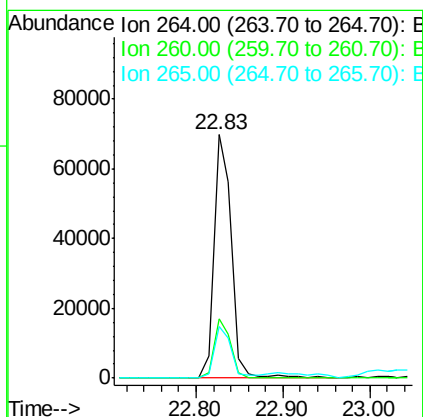
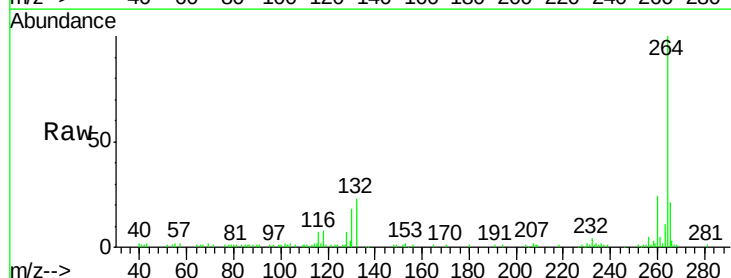
Instrument :
BNA_F
ClientSampled :

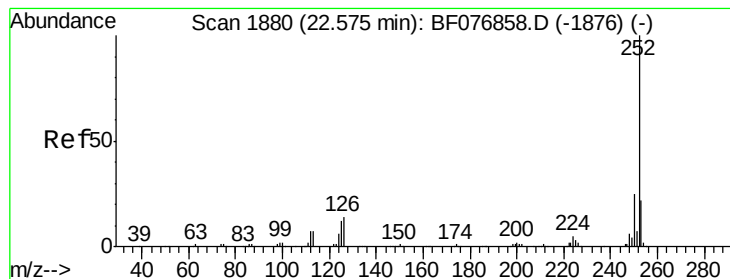
Tot Ion:276 Resp: 53347
Ion Ratio Lower Upper
276 100
138 25.8 14.6 22.0#
277 29.9 14.8 22.2#



#86
Perylene-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

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





#87

Benzo(b)fluoranthene

Concen: 27.79 ng

RT: 22.43 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

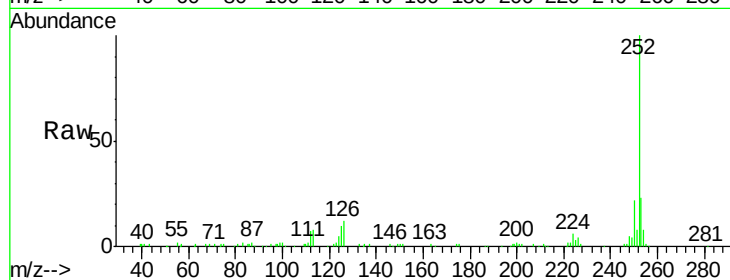
Tot Ion:252 Resp: 182728

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

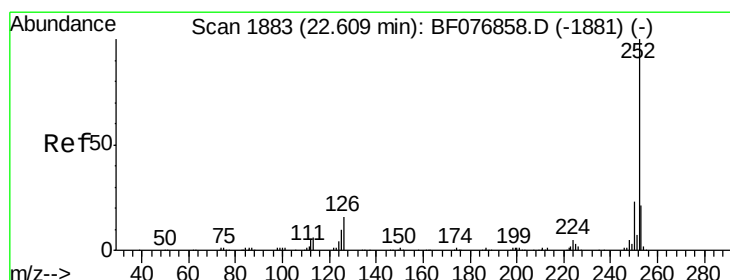
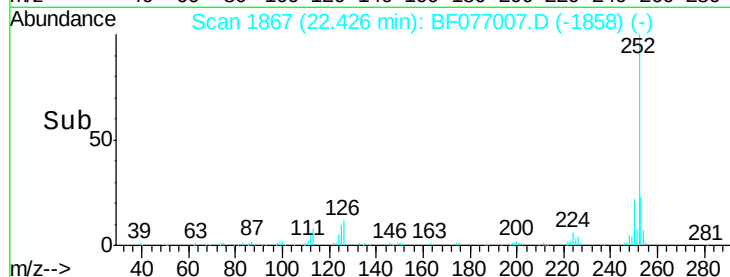
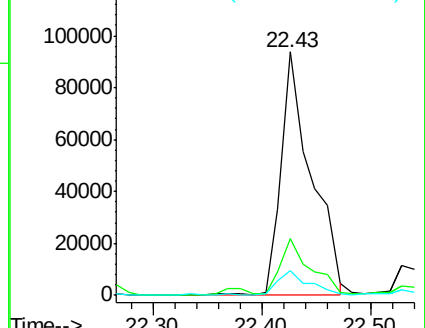
125 10.4 9.4 14.0



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: 31.77 ng

RT: 22.43 min Scan# 1867

Delta R.T. -0.03 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

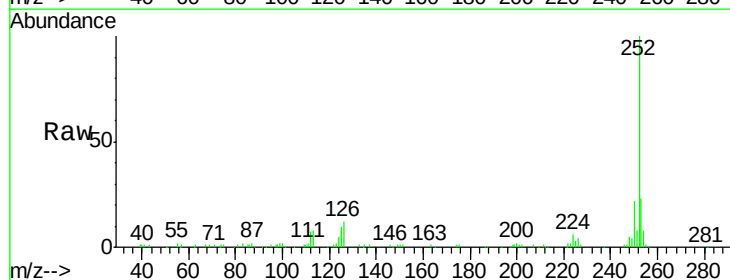
Tgt Ion:252 Resp: 182518

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

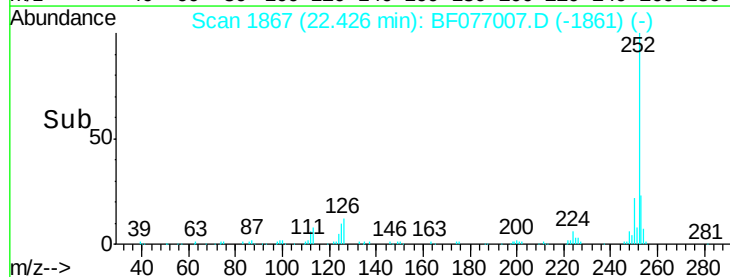
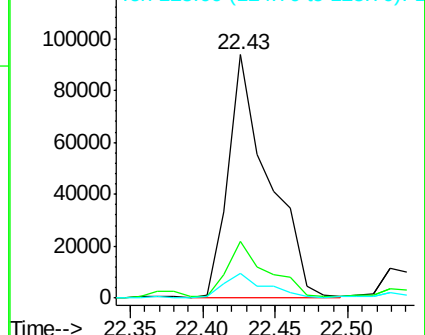
125 10.4 7.1 10.7

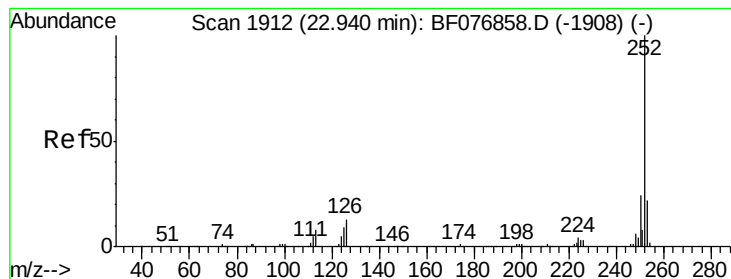


Abundance Ion 252.00 (251.70 to 252.70): E

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

RT: 22.77 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

Instrument :

BNA_F

ClientSampleId :

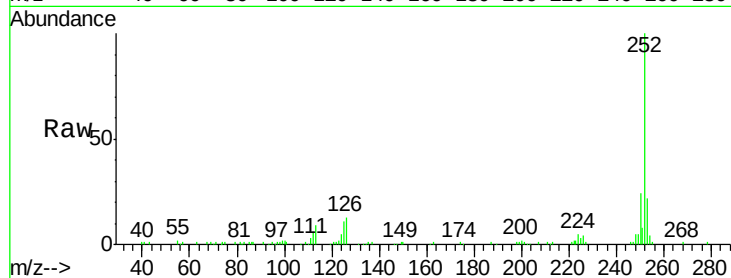
Tot Ion:252 Resp: 90581

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

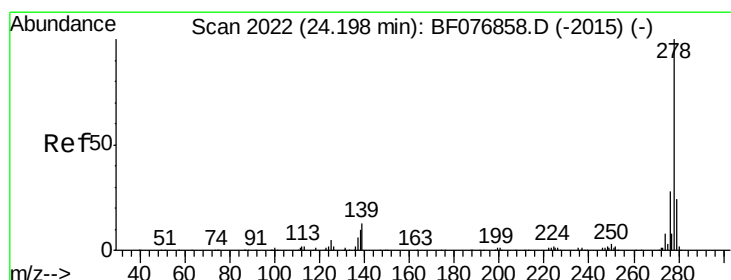
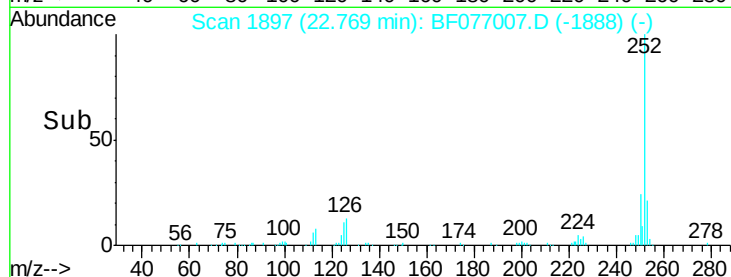
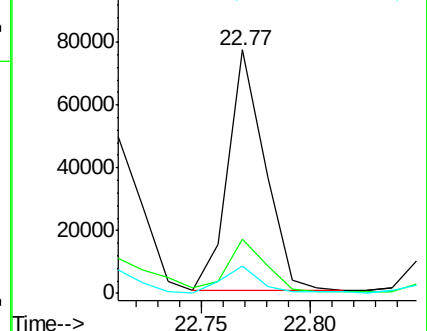
125 11.2 7.2 10.8#



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: 2.46 ng

RT: 23.95 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF077007.D

Acq: 21 Jan 2015 21:33

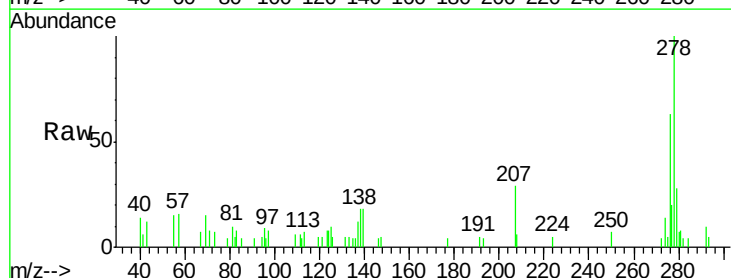
Tgt Ion:278 Resp: 13109

Ion Ratio Lower Upper

278 100

139 18.1 10.5 15.7#

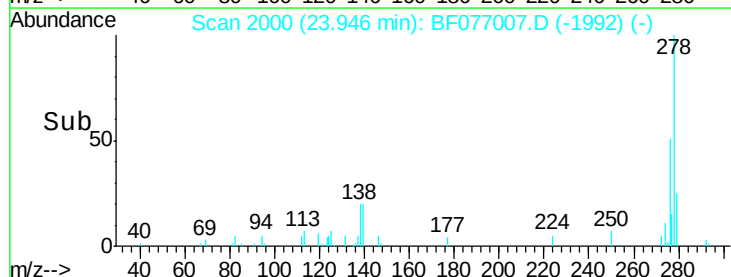
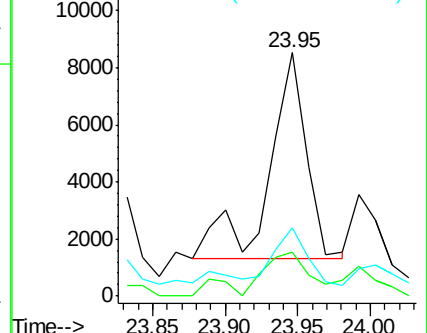
279 28.0 19.3 28.9

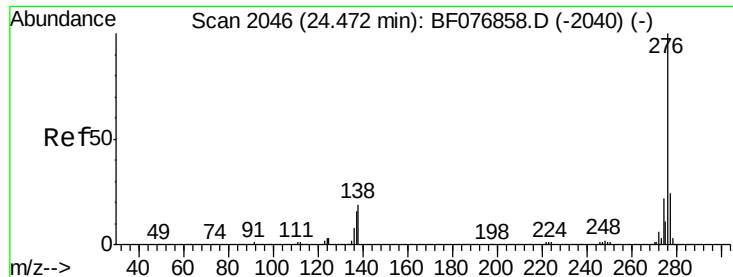


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

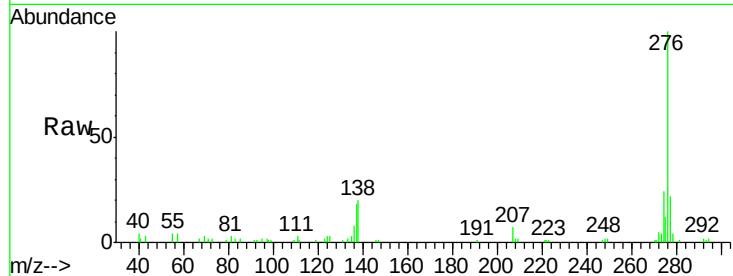




#91
 Benzo(a,h,i)perylene
 Concen: 9.63 ng
 RT: 24.21 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BF077007.D
 Acq: 21 Jan 2015 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot 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

