

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
 Data File : BF091821.D
 Acq On : 20 Dec 2016 15:45
 Operator : UM/SJ
 Sample : H6165-05 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

Quant Time: Dec 20 23:45:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	162612	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	608058	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	280900	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	358518	20.00	ng	0.00
75) Chrysene-d12	13.95	240	270947	20.00	ng	0.02
86) Perylene-d12	15.36	264	387104	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	634876	65.41	ng	-0.01
7) Phenol-d6	6.41	99	826603	69.83	ng	-0.01
23) Nitrobenzene-d5	7.32	82	483690	45.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	128510	53.95	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	624142	44.64	ng	-0.02
78) Terphenyl-d14	12.87	244	479438	44.68	ng	-0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	1096	Below Cal	#	1
10) Phenol	6.42	94	32194	2.41	ng	67
19) n-Nitroso-di-n-propylamine	7.32	70	64622	8.21	ng	75
25) Isophorone	7.32	82	412022	20.48	ng	65
31) Naphthalene	8.06	128	2087437	71.86	ng	100
33) 4-Chloroaniline	8.06	127	276773	22.62	ng	30
37) 2-Methylnaphthalene	8.76	142	1360477	74.29	ng	100
45) 1,1'-Biphenyl	9.22	154	451879	22.44	ng	97
47) 2-Nitroaniline	9.38	65	10609	2.07	ng	27
48) Acenaphthylene	9.65	152	528198	22.66	ng	95
49) Dimethylphthalate	9.52	163	98527	5.37	ng	96
51) Acenaphthene	9.84	154	1830484	114.40	ng	98
54) Dibenzofuran	10.01	168	2105735	110.68	ng	100
55) 4-Nitrophenol	10.01	139	888785	255.51	ng	5
56) 2,4-Dinitrotoluene	9.95	165	33994	6.76	ng	62
57) Fluorene	10.35	166	2390573	161.76	ng	99
61) 4-Nitroaniline	10.35	138	30682	6.47	ng	22
65) n-Nitrosodiphenylamine	10.43	169	220361	19.79	ng	1
66) 4-Bromophenyl-phenylether	10.59	248	8397	2.23	ng	1
70) Phenanthrene	11.34	178	11657756	650.75	ng	96
71) Anthracene	11.34	178	11657756	614.39	ng	95
72) Carbazole	11.52	167	1443219	86.98	ng	99
74) Fluoranthene	12.53	202	10636813	568.50	ng	97
77) Pyrene	12.76	202	9127368	466.47	ng	93
80) Benzo(a)anthracene	13.94	228	6537060	421.80	ng	94
82) Chrysene	13.94	228	6537060	406.93	ng	97
83) Bis(2-ethylhexyl)phthalate	13.92	149	30036	2.59	ng	88
85) Indeno(1,2,3-cd)pyrene	16.75	276	3241872	205.24	ng	97
87) Benzo(b)fluoranthene	14.98	252	8997166	366.53	ng	97
88) Benzo(k)fluoranthene	14.98	252	8997166	522.39	ng	96
89) Benzo(a)pyrene	15.32	252	5089403	241.57	ng	95
90) Dibenzo(a,h)anthracene	16.88	278	816763	44.48	ng	95
91) Benzo(g,h,i)perylene	17.15	276	2697786	144.54	ng	95

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration

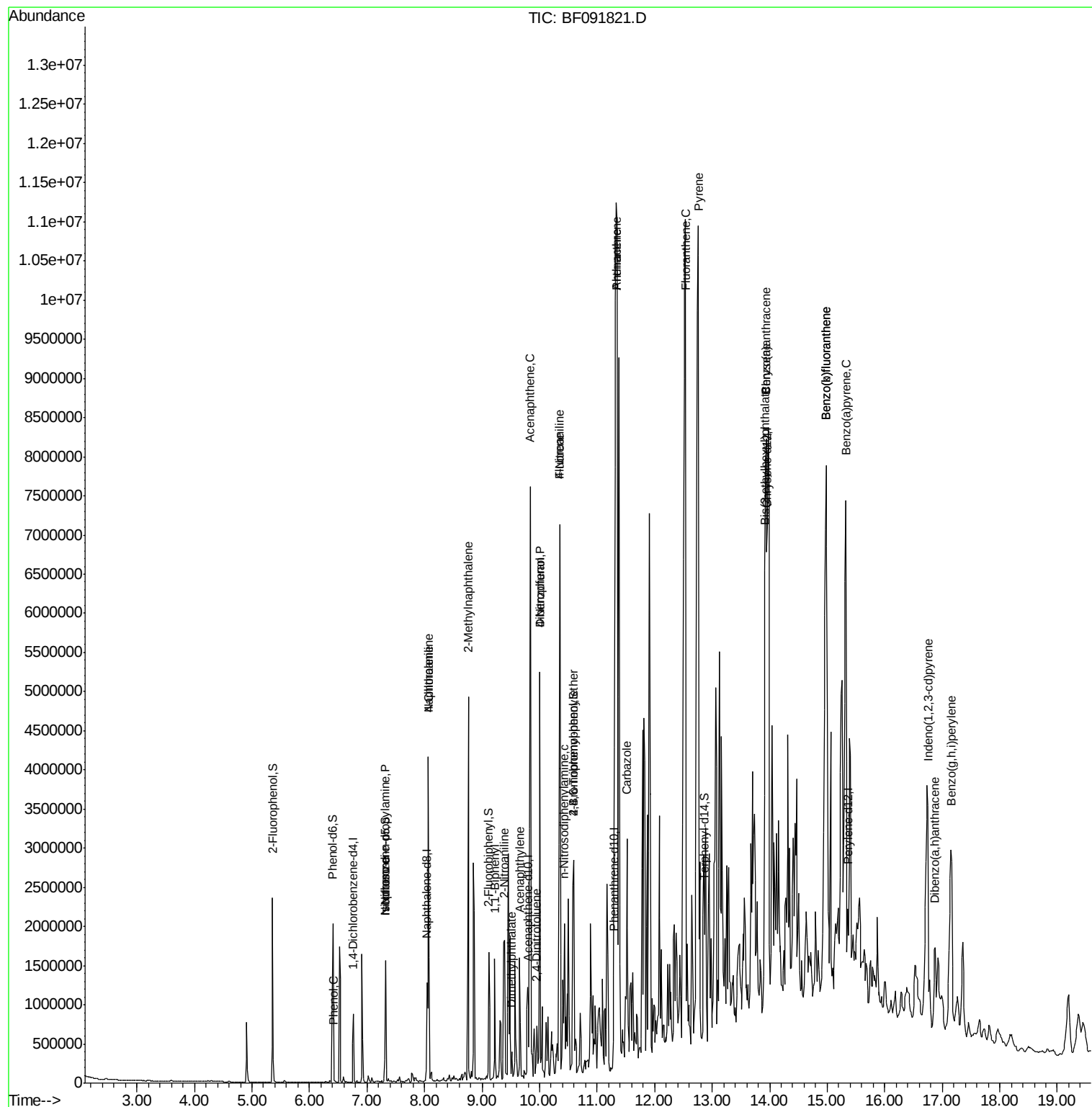
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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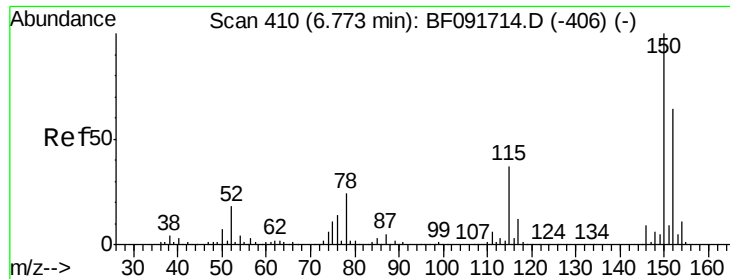
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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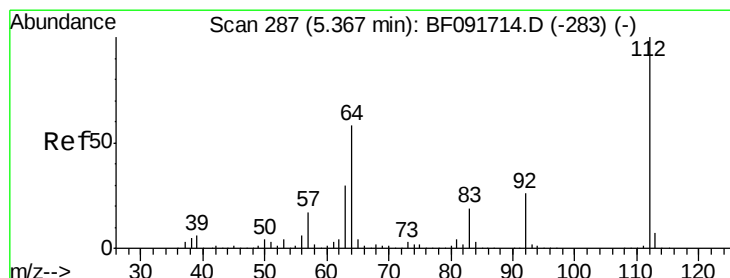
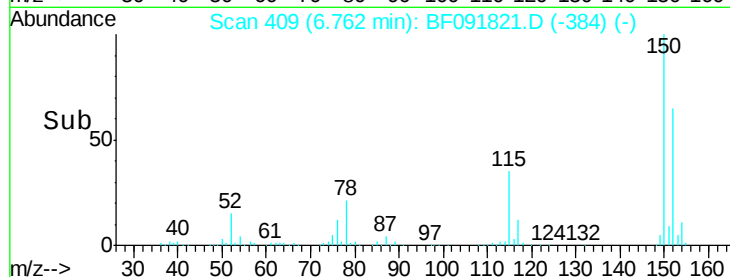
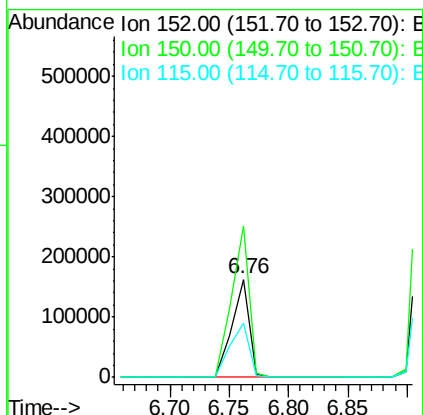
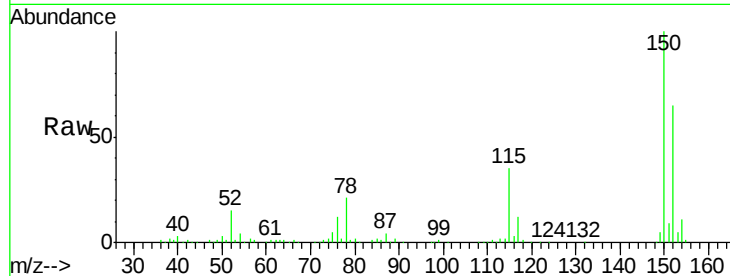




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

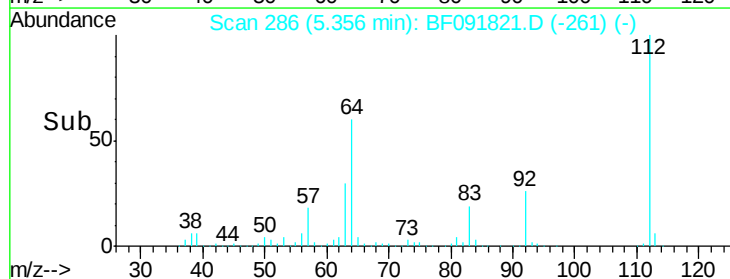
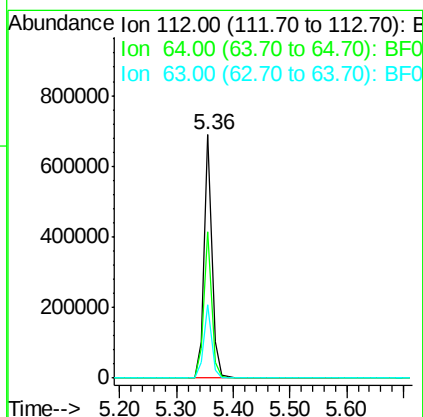
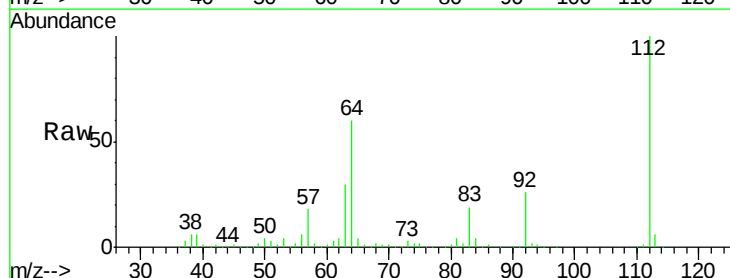
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

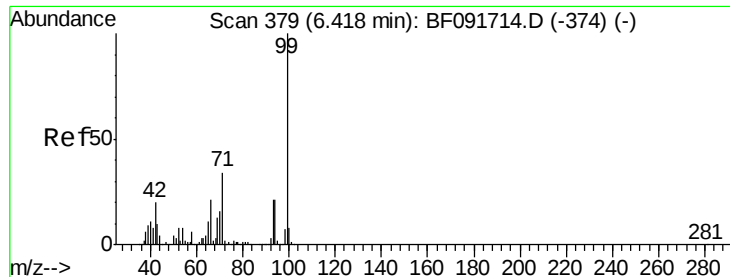
Tgt Ion:152 Resp: 162612
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.9 187.3
 115 54.9 46.0 69.0



#5
 2-Fluorophenol
 Concen: 65.41 ng
 RT: 5.36 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion:112 Resp: 634876
 Ion Ratio Lower Upper
 112 100
 64 60.0 46.1 69.1
 63 30.3 23.8 35.6





#7

Phenol-d6

Concen: 69.83 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

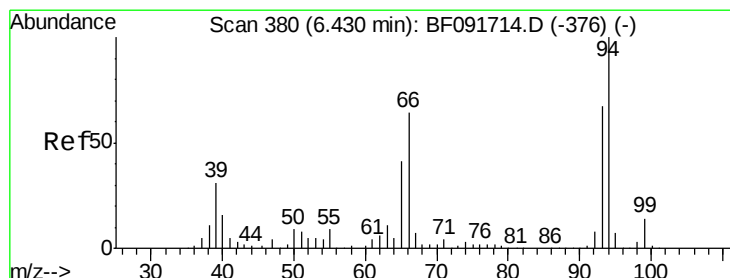
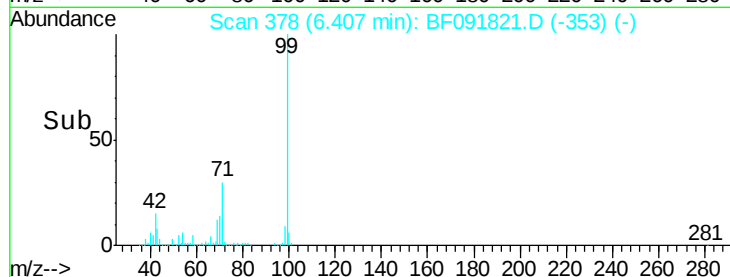
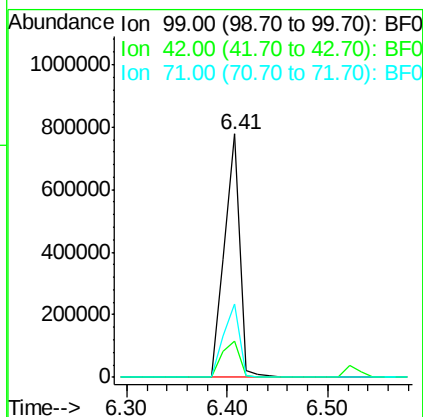
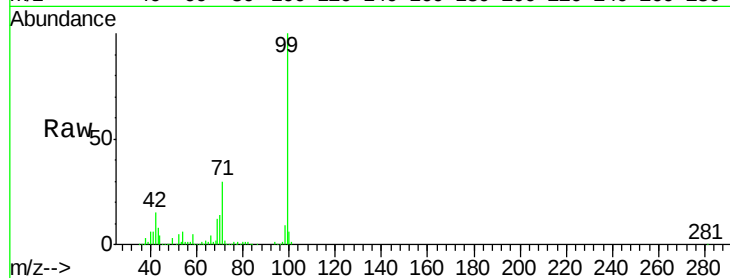
Tgt Ion: 99 Resp: 826603

Ion Ratio Lower Upper

99 100

42 14.9 15.6 23.4#

71 30.0 27.5 41.3



#10

Phenol

Concen: 2.41 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

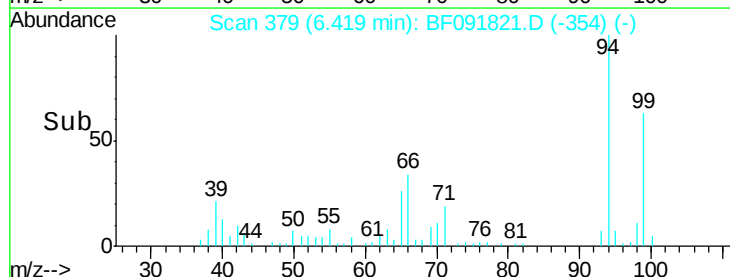
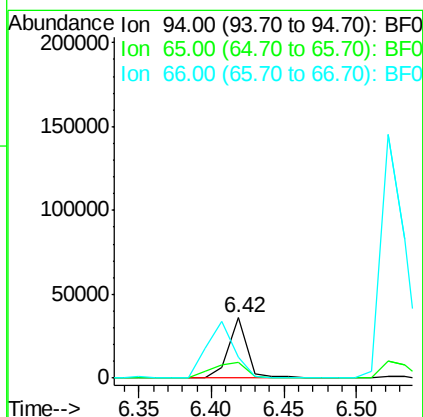
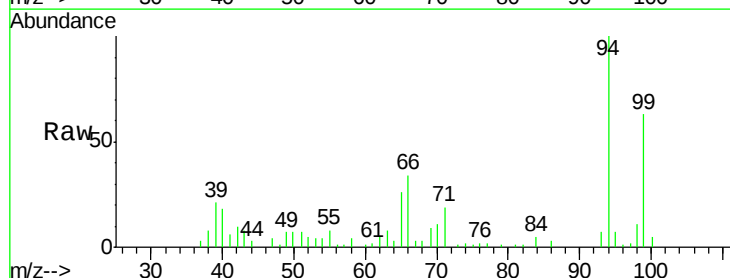
Tgt Ion: 94 Resp: 32194

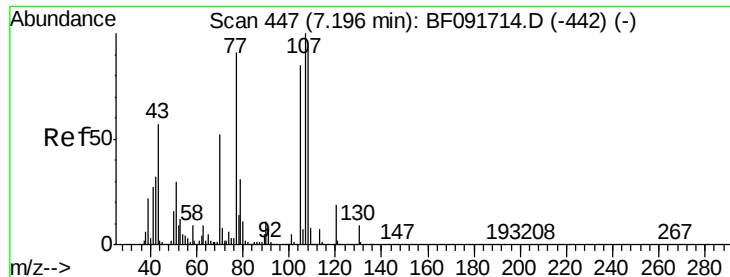
Ion Ratio Lower Upper

94 100

65 25.8 21.4 61.4

66 33.6 44.0 84.0#





#19

n-Nitroso-di-n-propylamine

Concen: 8.21 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.13 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

Tgt Ion: 70 Resp: 64622

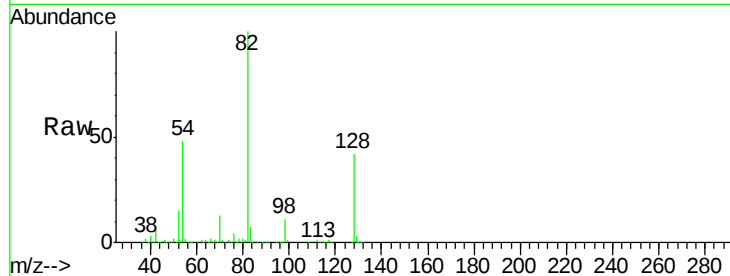
Ion Ratio Lower Upper

70 100

42 44.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

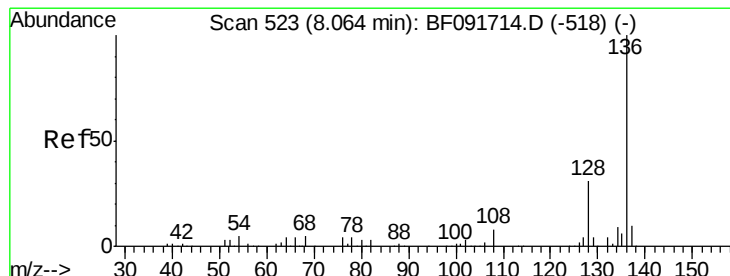
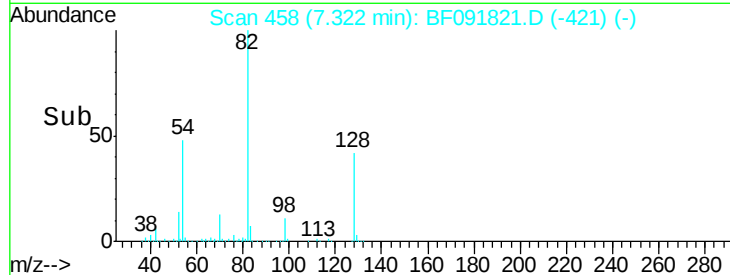
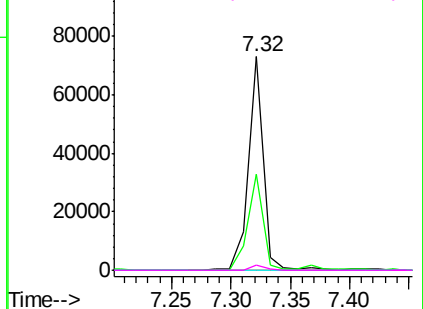


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Tgt Ion: 136 Resp: 608058

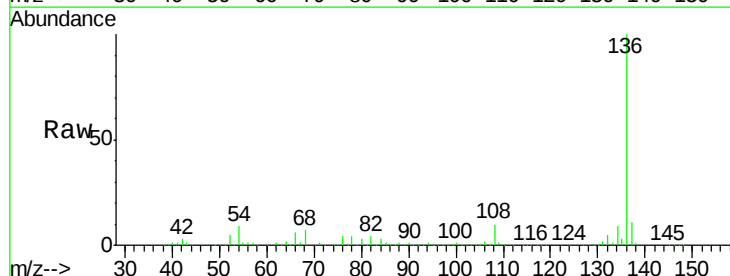
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.1 4.5 6.7#

68 6.9 3.6 5.4#

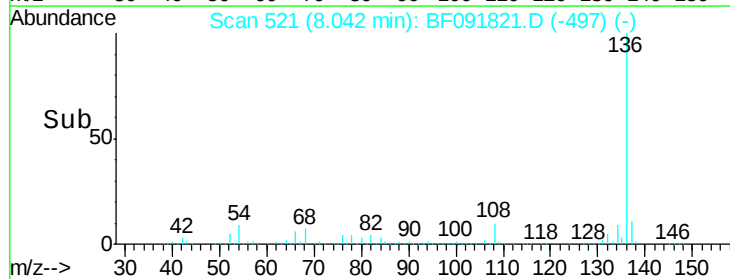
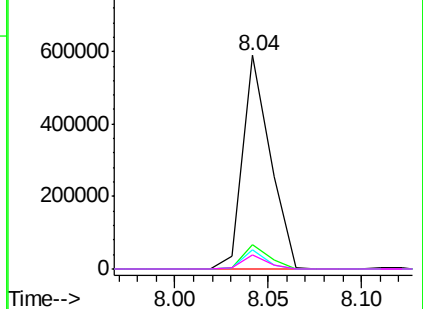


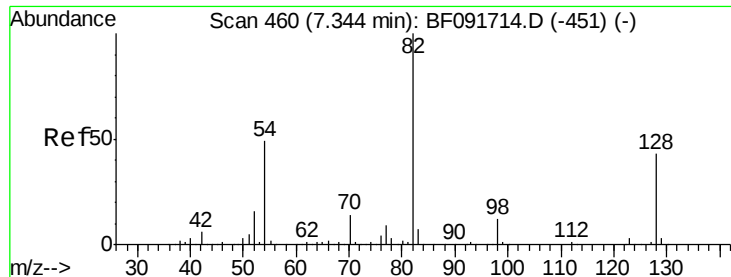
Abundance Ion 136.00 (135.70 to 136.70): E

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

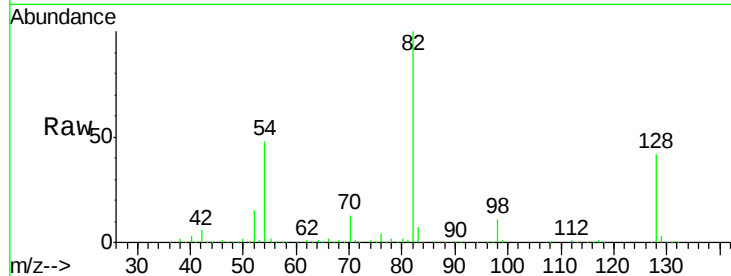




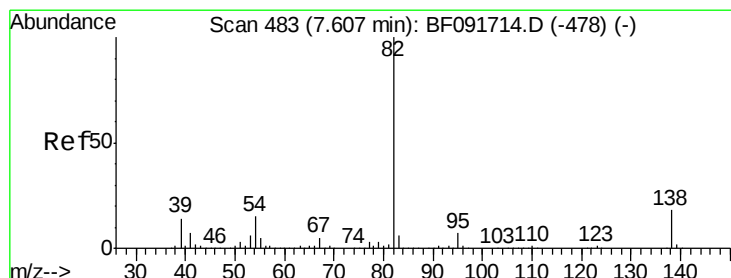
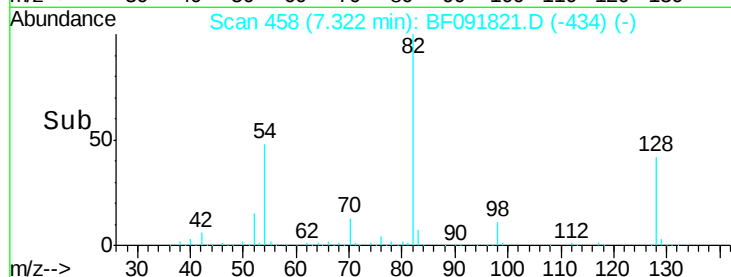
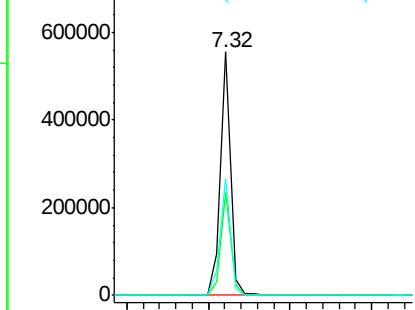
#23
 Nitrobenzene-d5
 Concen: 45.87 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

Tgt Ion: 82 Resp: 483690
 Ion Ratio Lower Upper
 82 100
 128 42.0 34.6 52.0
 54 48.2 39.5 59.3

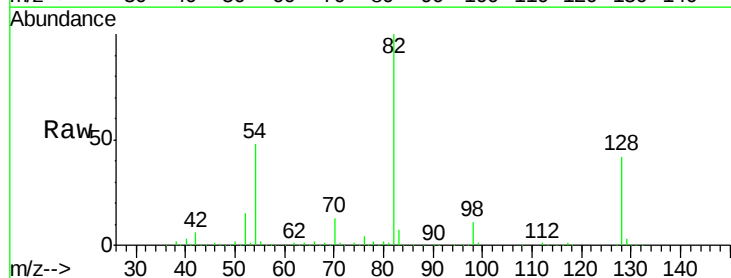


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

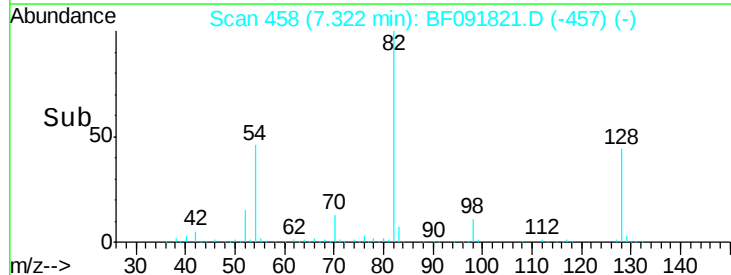
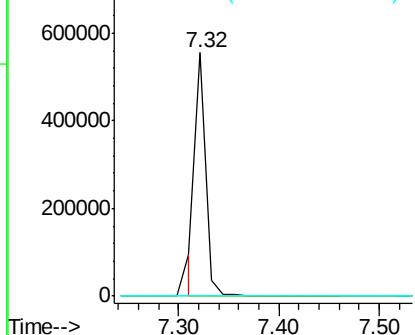


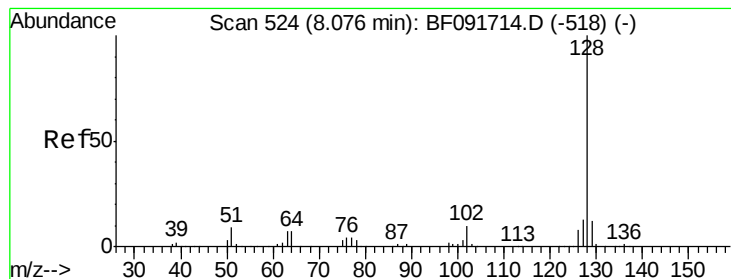
#25
 Isophorone
 Concen: 20.48 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.29 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion: 82 Resp: 412022
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 71.86 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

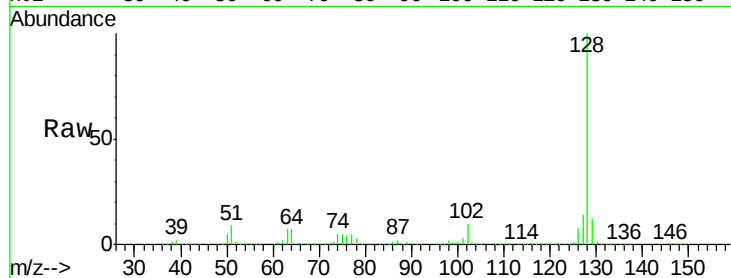
Tgt Ion:128 Resp: 2087437

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

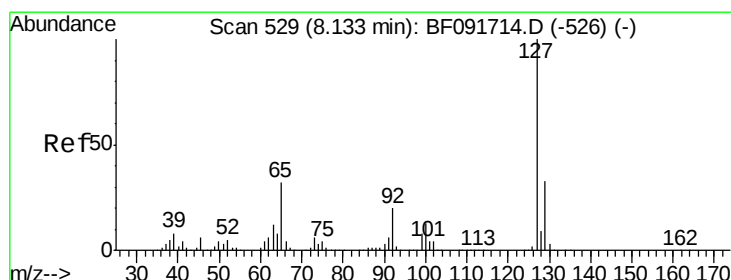
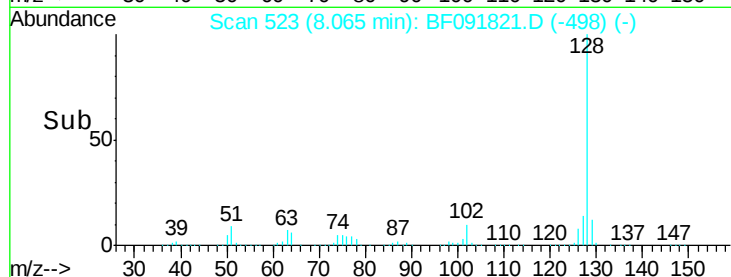
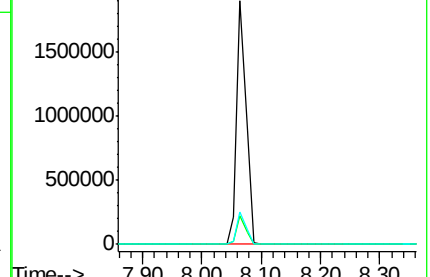
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 22.62 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.07 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Tgt Ion:127 Resp: 276773

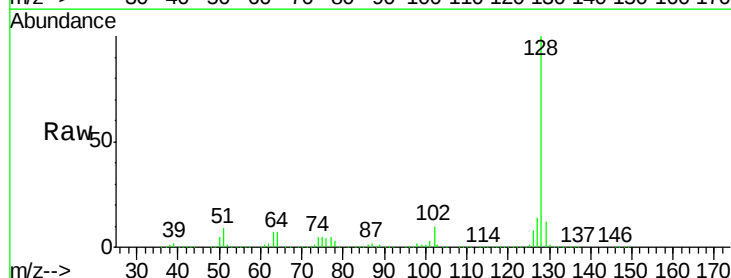
Ion Ratio Lower Upper

127 100

129 87.9 26.3 39.5#

65 0.0 25.8 38.8#

92 0.2 16.1 24.1#

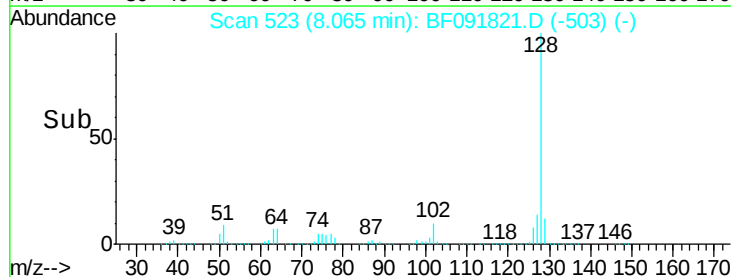
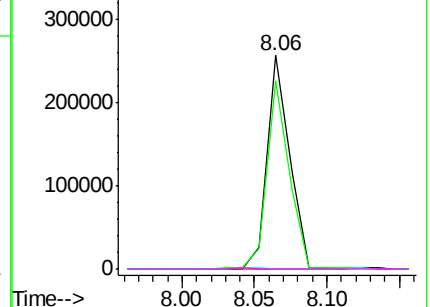


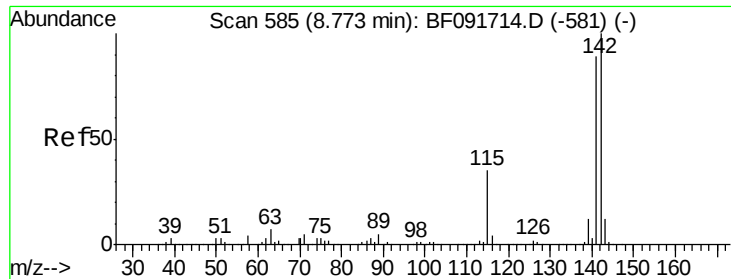
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

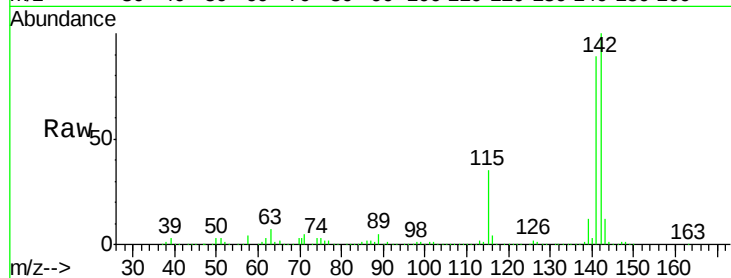




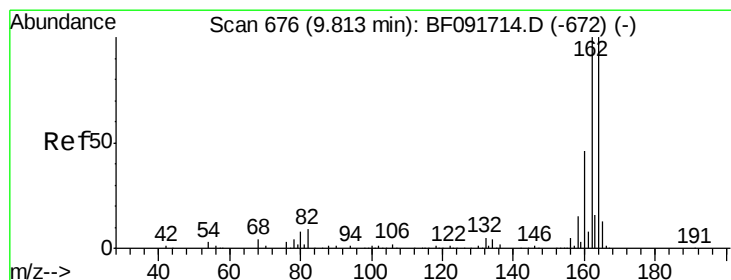
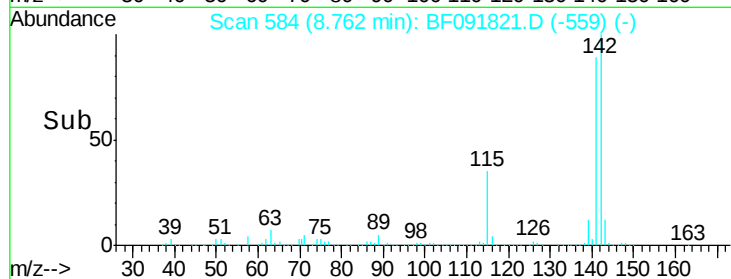
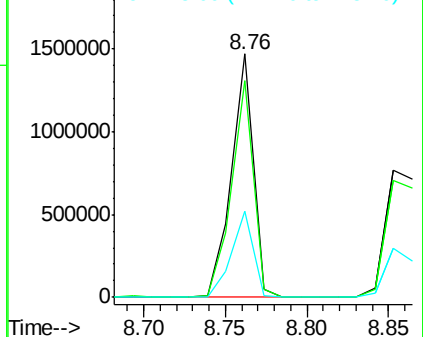
#37
2-Methylnaphthalene
Concen: 74.29 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

Tgt Ion:142 Resp: 1360477
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 35.3 28.3 42.5

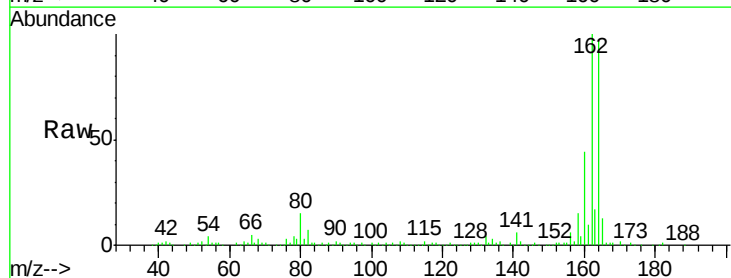


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

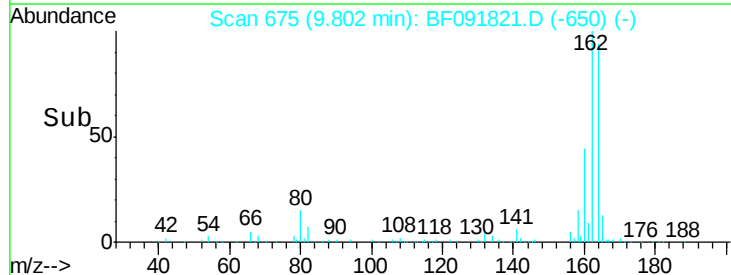
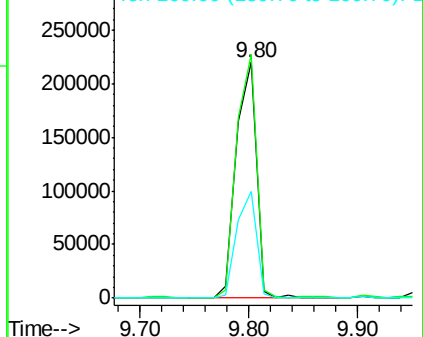


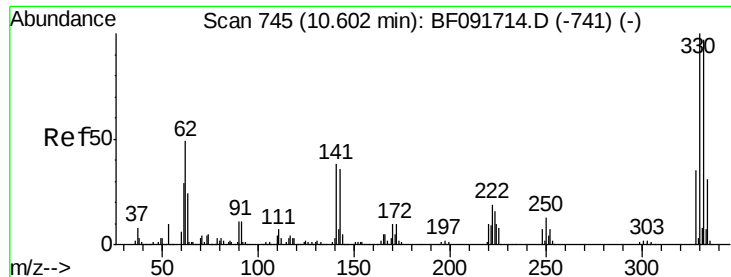
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:164 Resp: 280900
Ion Ratio Lower Upper
164 100
162 103.2 80.2 120.2
160 45.1 36.9 55.3



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

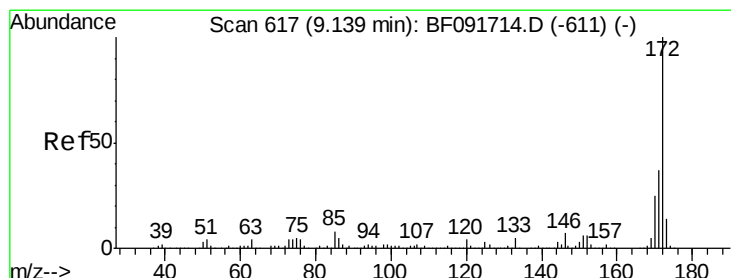
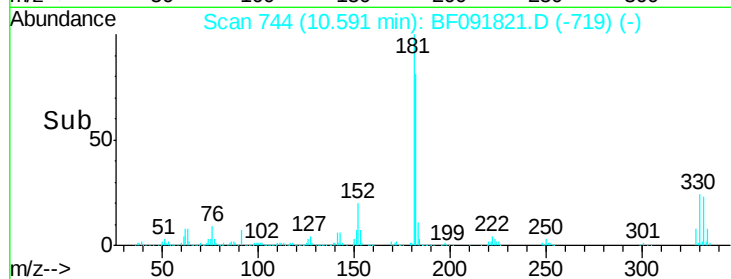
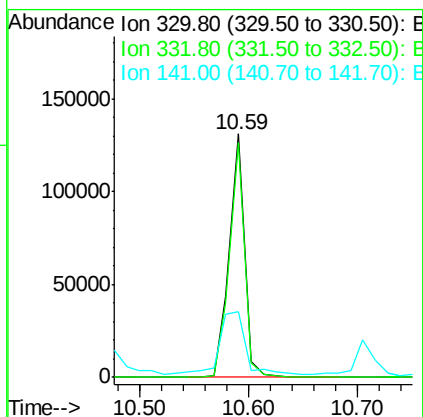
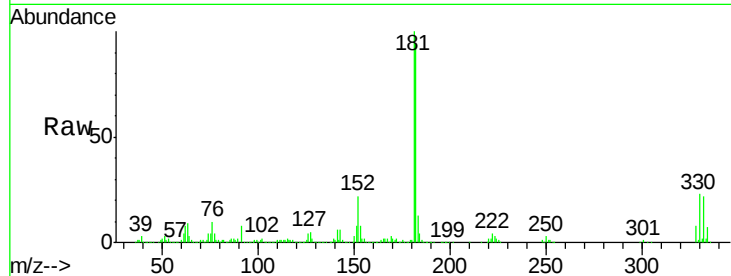




#41
 2,4,6-Tribromophenol
 Concen: 53.95 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

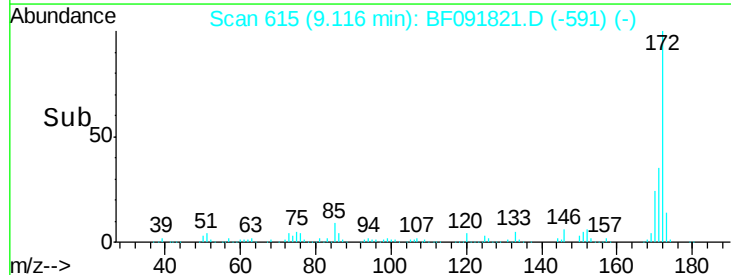
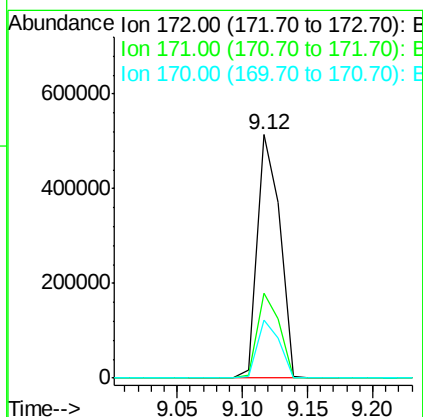
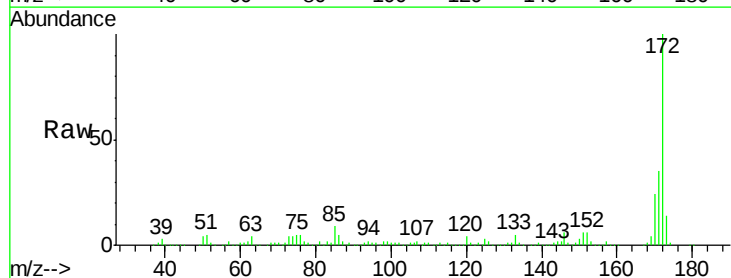
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

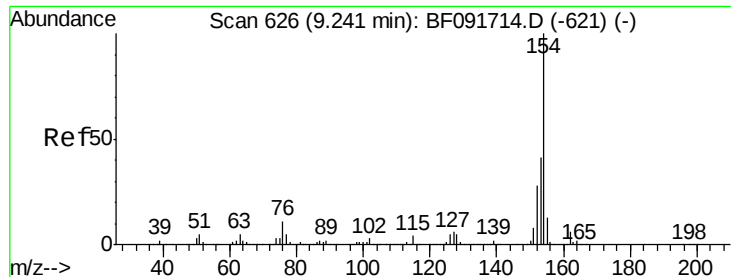
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	43.4	34.1	51.1



#44
 2-Fluorobiphenyl
 Concen: 44.64 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	23.6	20.2	30.4

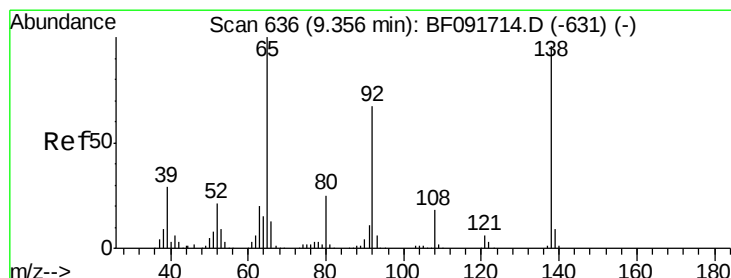
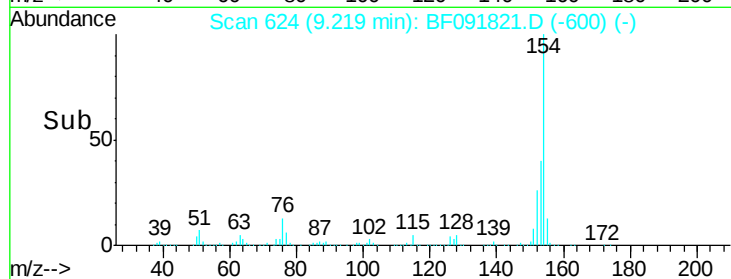
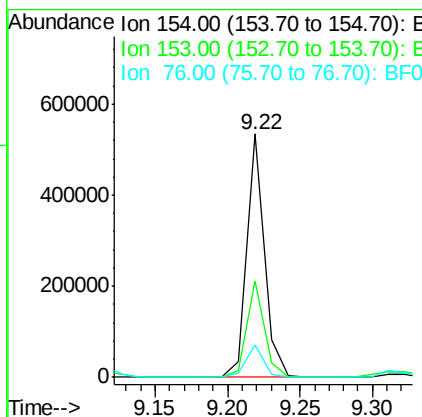
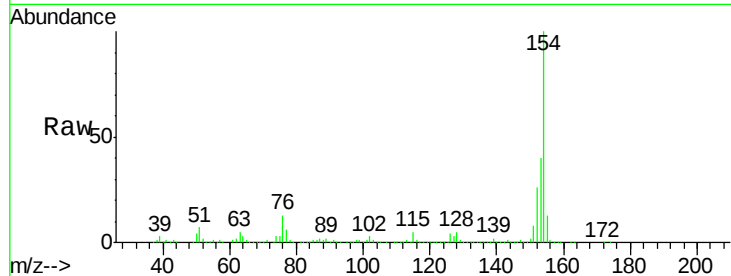




#45
 1,1'-Biphenyl
 Concen: 22.44 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

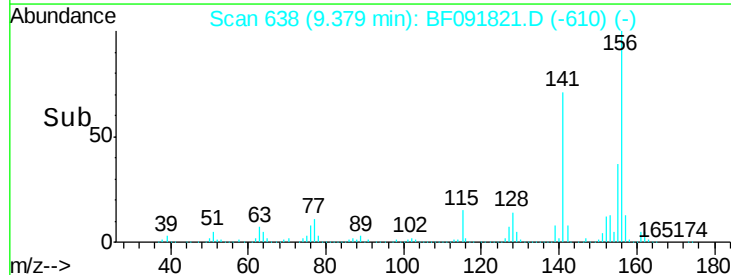
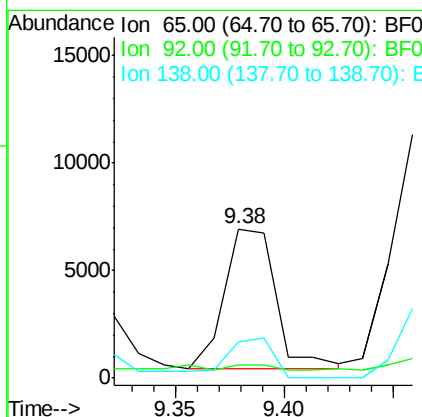
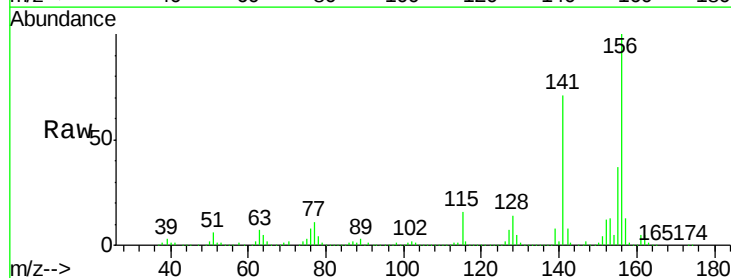
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

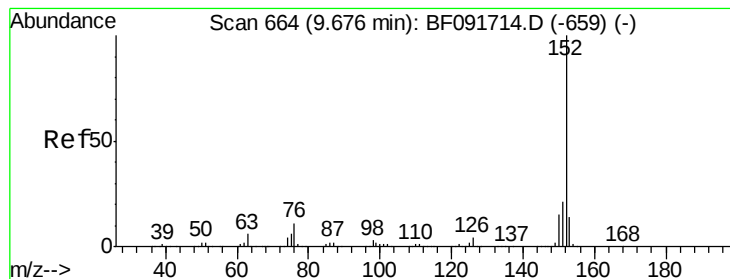
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.9	60.9
76	13.5	0.0	30.5



#47
 2-Nitroaniline
 Concen: 2.07 ng
 RT: 9.38 min Scan# 638
 Delta R.T. 0.02 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	8.8	53.9	80.9#
138	24.3	76.8	115.2#





#48

Acenaphthylene

Concen: 22.66 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampled :

SB-1-9-10

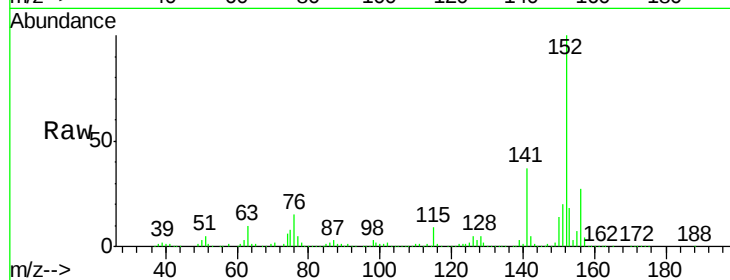
Tgt Ion:152 Resp: 528198

Ion Ratio Lower Upper

152 100

151 20.0 16.9 25.3

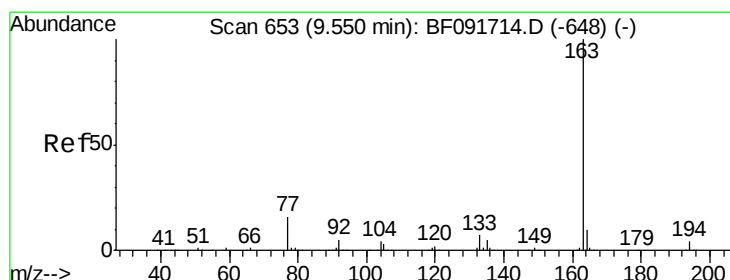
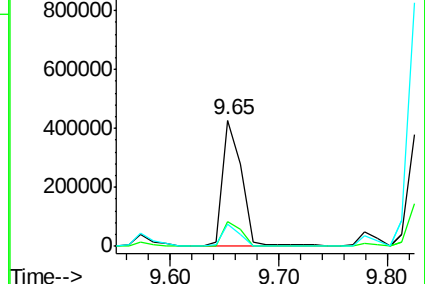
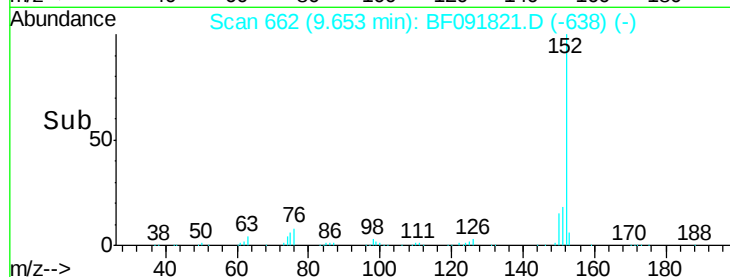
153 17.9 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.37 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

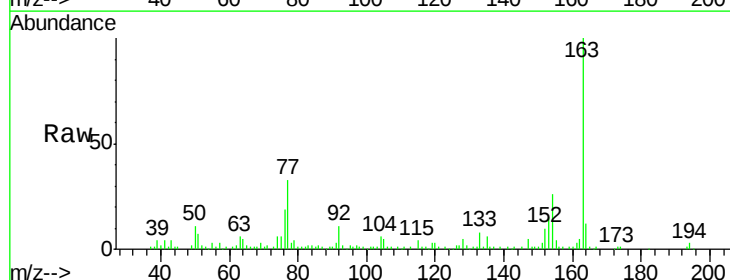
Tgt Ion:163 Resp: 98527

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

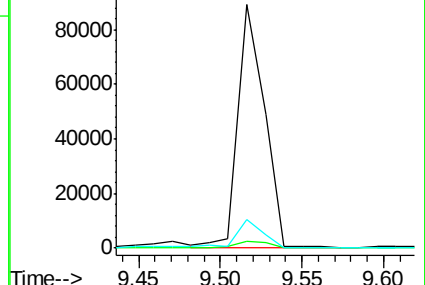
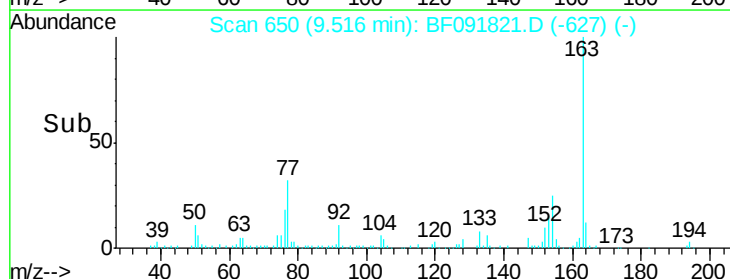
164 11.7 8.0 12.0

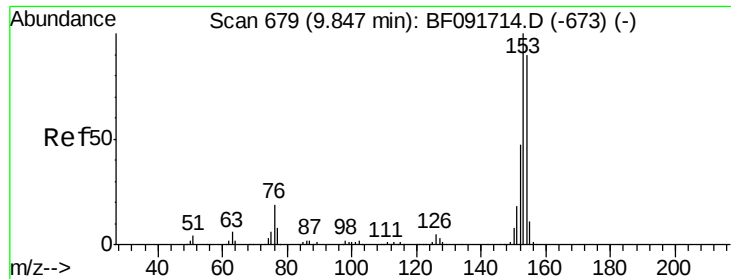


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 114.40 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

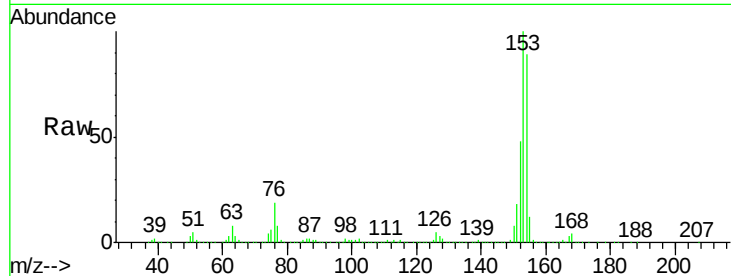
Tgt Ion:154 Resp: 1830484

Ion Ratio Lower Upper

154 100

153 112.6 88.6 133.0

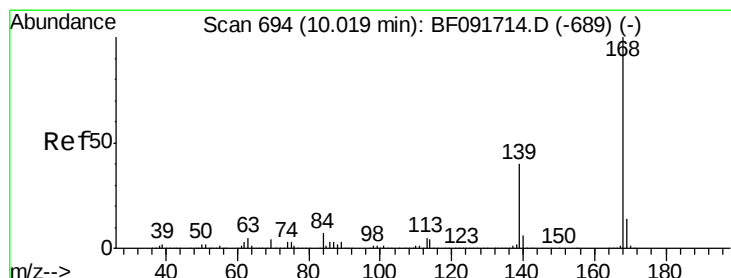
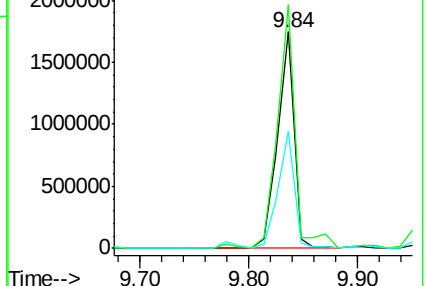
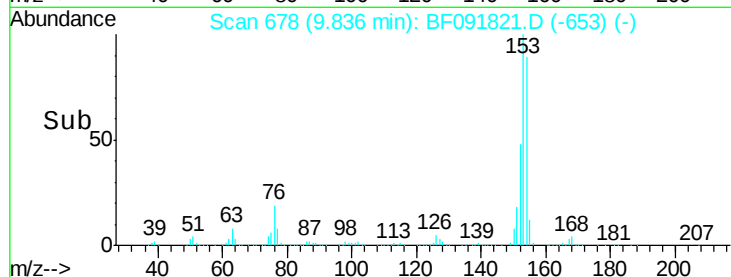
152 54.0 41.6 62.4



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: 110.68 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

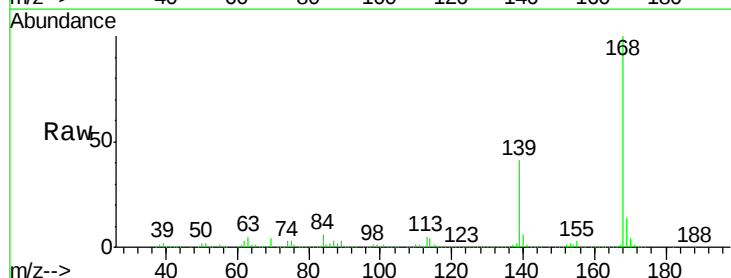
Tgt Ion:168 Resp: 2105735

Ion Ratio Lower Upper

168 100

139 40.7 32.6 49.0

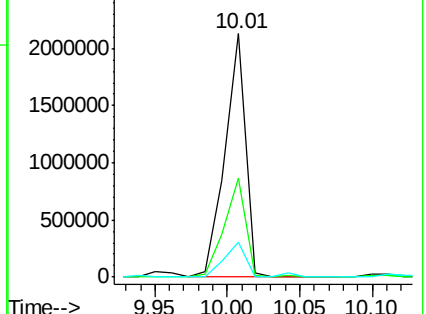
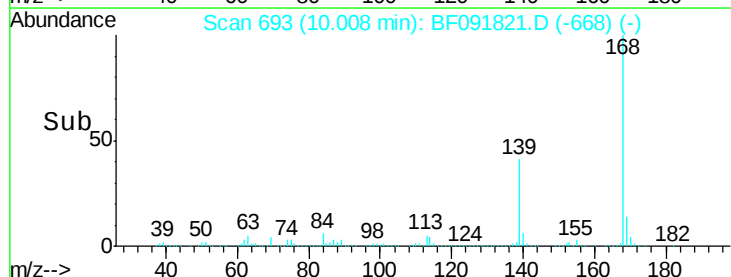
169 14.4 11.3 16.9

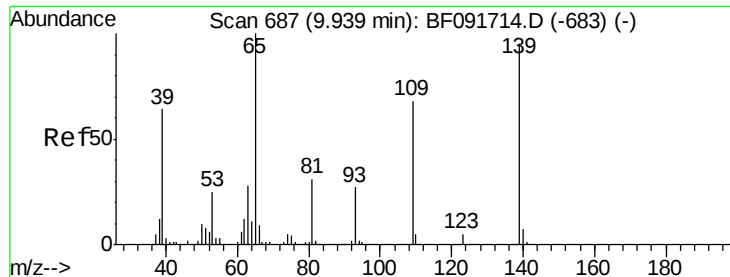


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

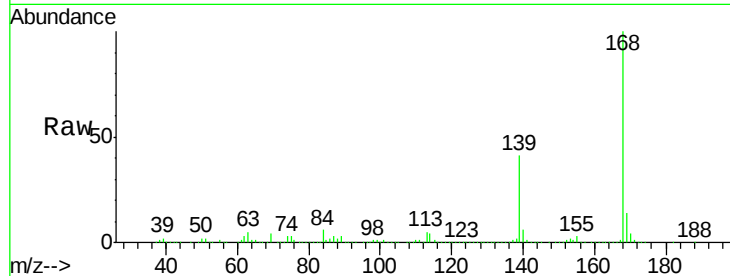




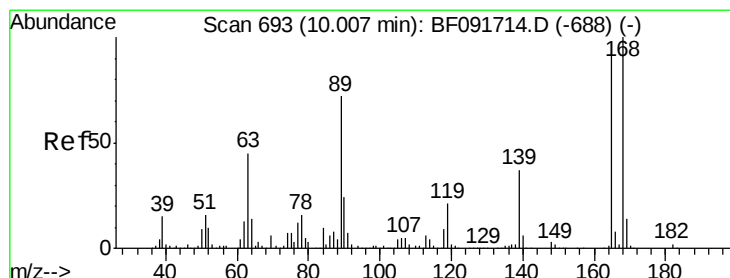
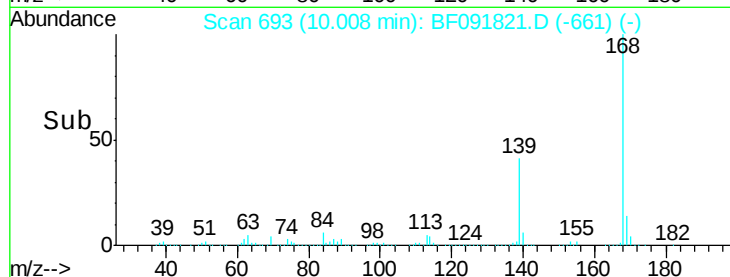
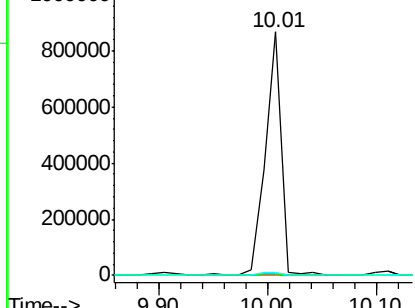
#55
4-Nitrophenol
Concen: 255.51 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.07 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

Tgt Ion:139 Resp: 888785
Ion Ratio Lower Upper
139 100
109 0.9 52.2 92.2#
65 1.5 85.8 125.8#

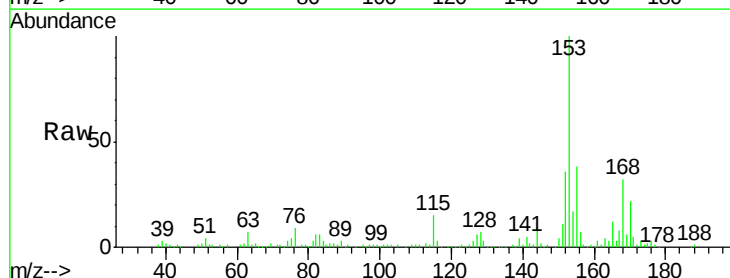


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

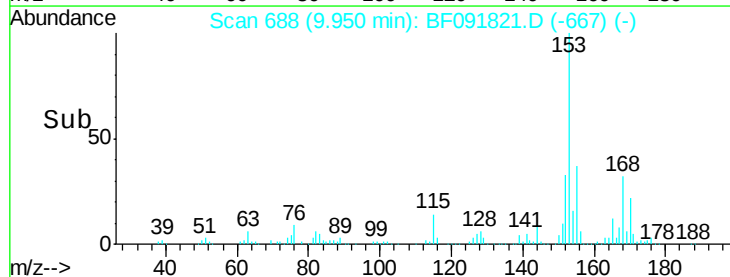
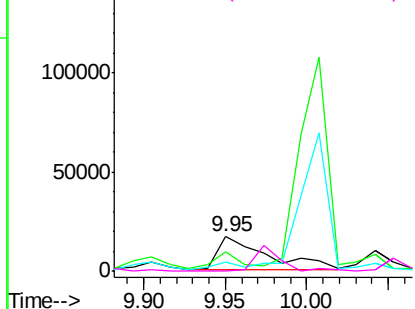


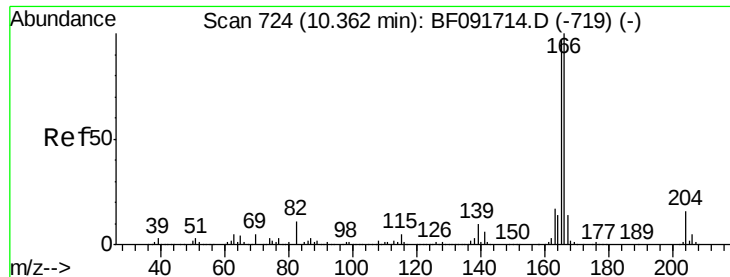
#56
2,4-Dinitrotoluene
Concen: 6.76 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:165 Resp: 33994
Ion Ratio Lower Upper
165 100
63 56.5 40.2 60.4
89 27.6 62.5 93.7#
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

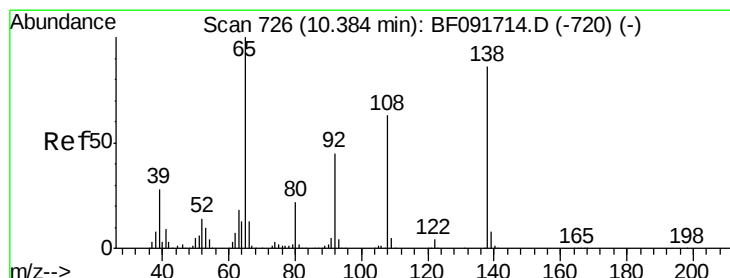
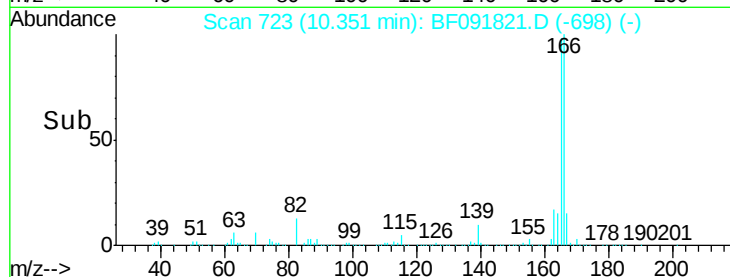
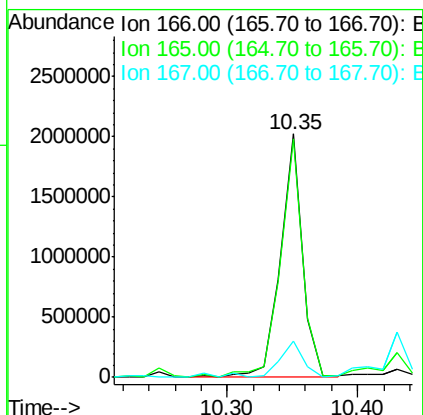
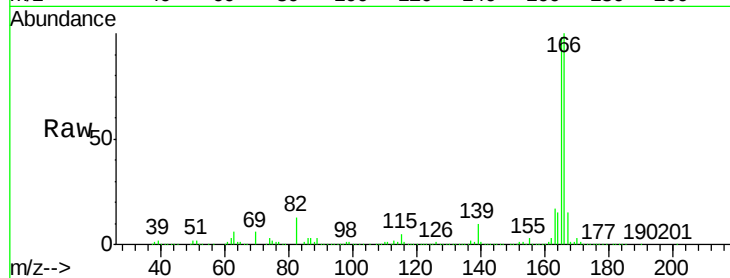




#57
 Fluorene
 Concen: 161.76 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

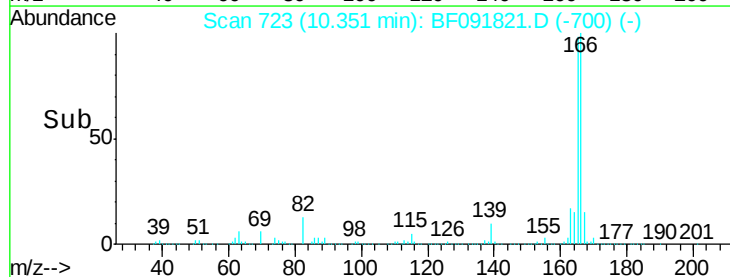
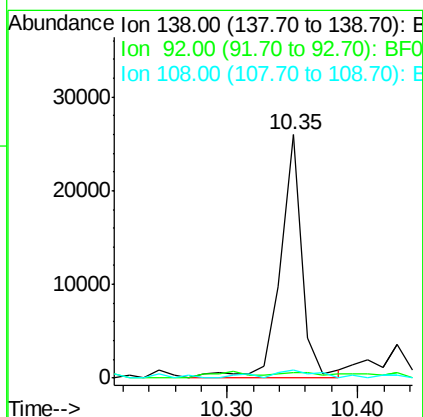
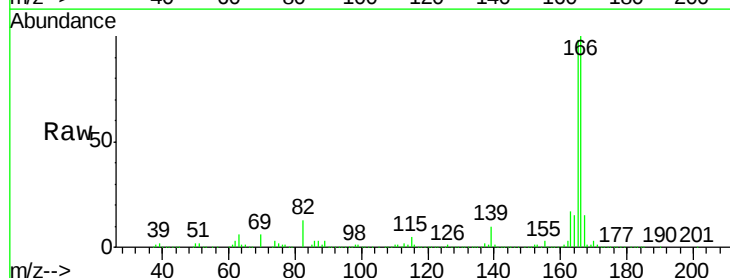
Instrument :
 BNA_F
 ClientSampled :
 SB-1-9-10

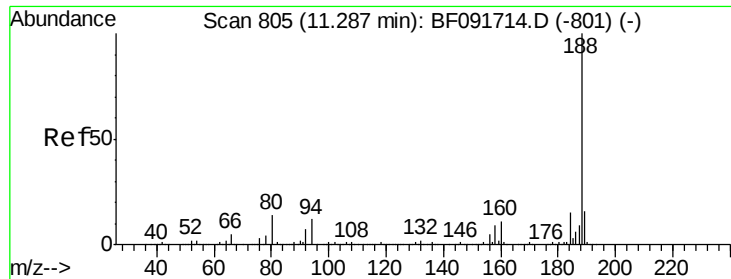
Tgt Ion:166 Resp: 2390573
 Ion Ratio Lower Upper
 166 100
 165 97.9 77.8 116.8
 167 15.0 10.8 16.2



#61
 4-Nitroaniline
 Concen: 6.47 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion:138 Resp: 30682
 Ion Ratio Lower Upper
 138 100
 92 2.1 31.7 71.7#
 108 3.4 52.6 92.6#

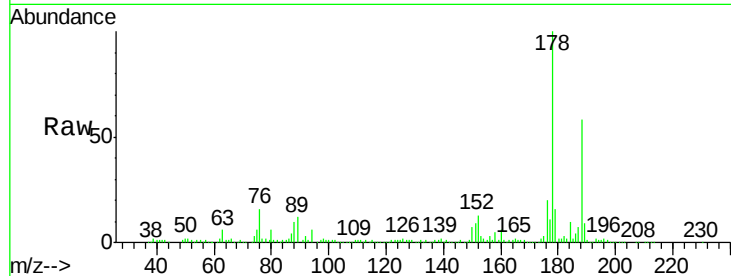




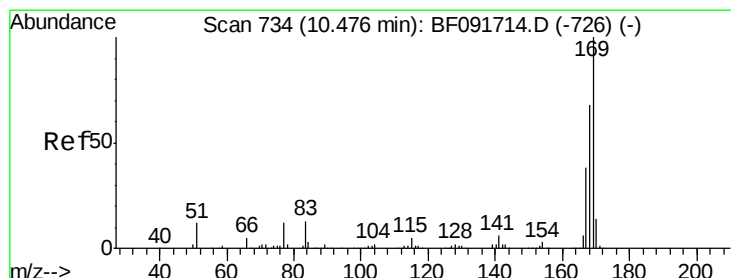
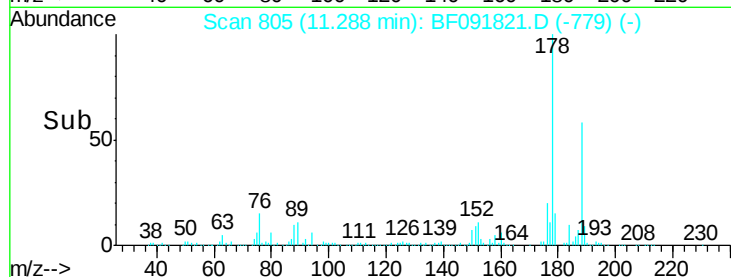
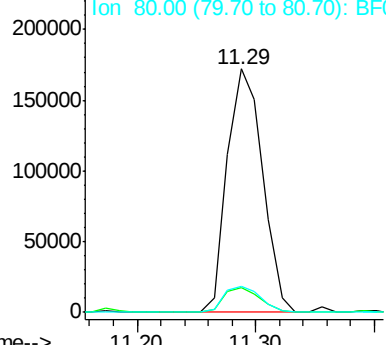
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

Tgt Ion:188 Resp: 358518
Ion Ratio Lower Upper
188 100
94 10.3 10.0 15.0
80 10.9 11.2 16.8#

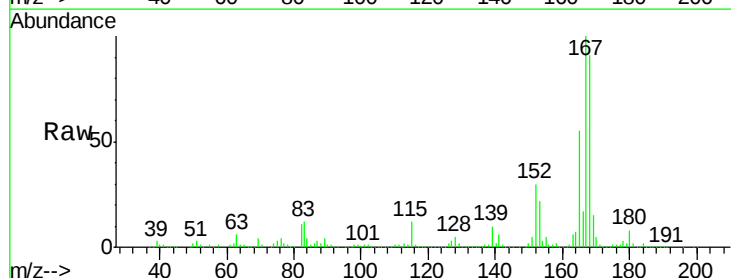


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

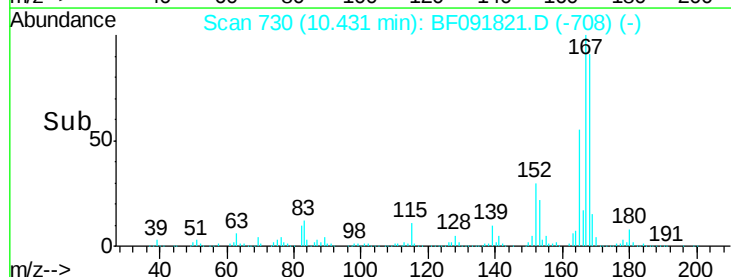
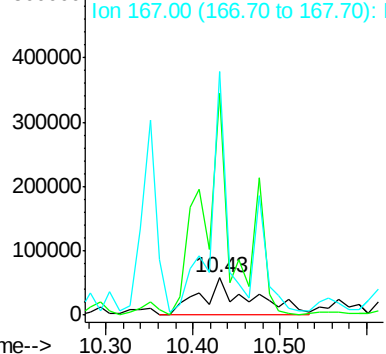


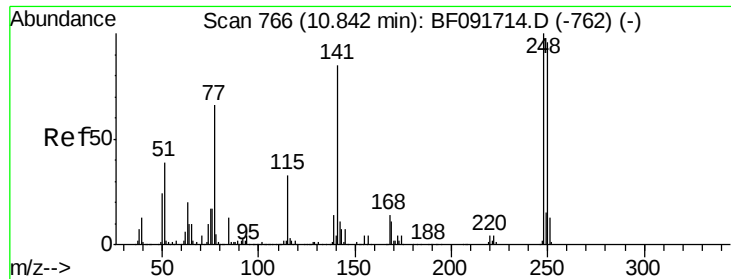
#65
n-Nitrosodiphenylamine
Concen: 19.79 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.05 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:169 Resp: 220361
Ion Ratio Lower Upper
169 100
168 599.4 54.2 81.2#
167 658.4 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

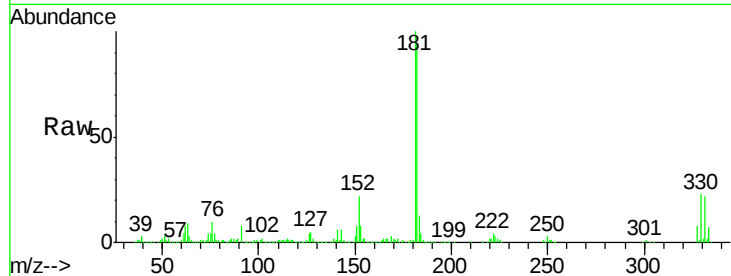




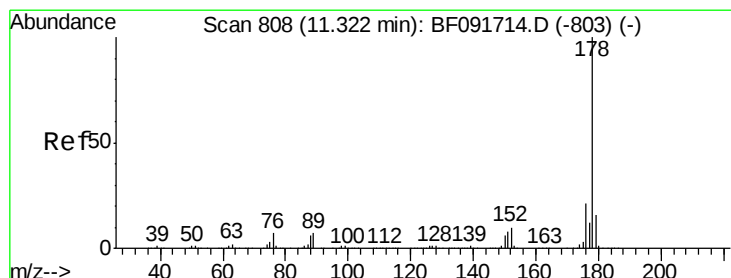
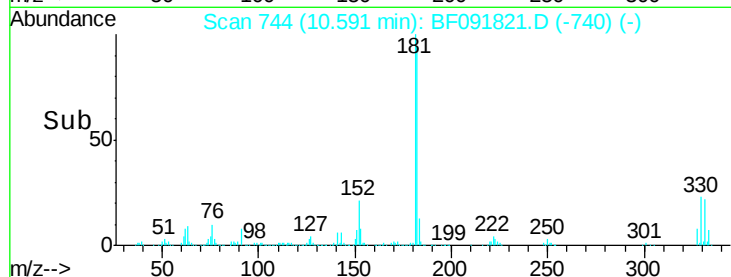
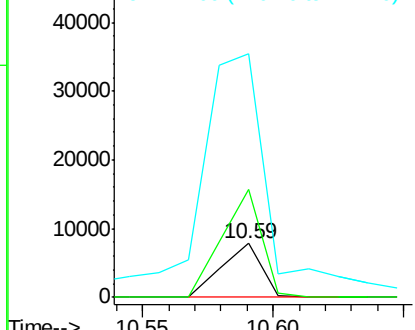
#66
4-Bromophenyl-phenylether
Concen: 2.23 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

Tgt Ion:248 Resp: 8397
Ion Ratio Lower Upper
248 100
250 202.0 76.9 115.3#
141 453.4 68.2 102.4#

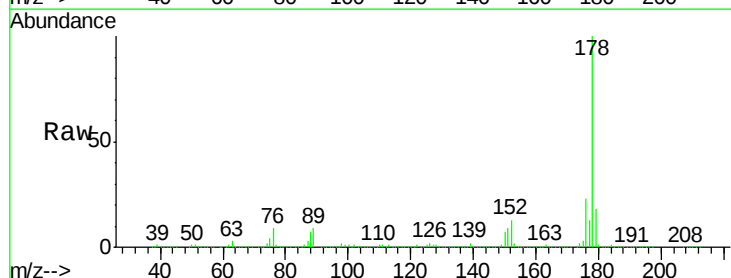


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

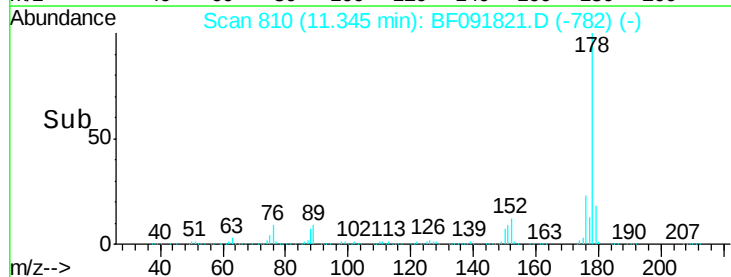
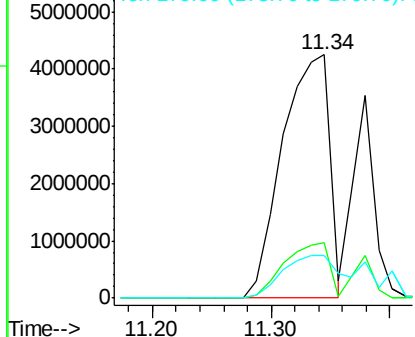


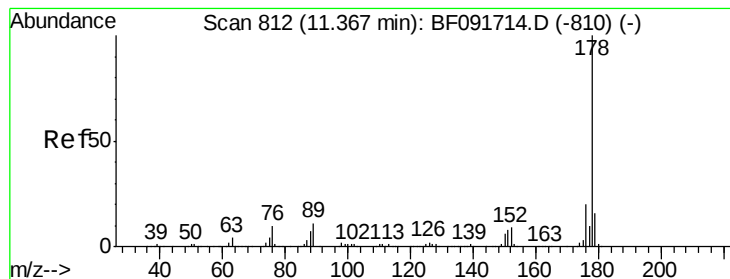
#70
Phenanthrene
Concen: 650.75 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.02 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:178 Resp:11657756
Ion Ratio Lower Upper
178 100
176 22.8 16.6 25.0
179 17.7 12.8 19.2



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: 614.39 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampled :

SB-1-9-10

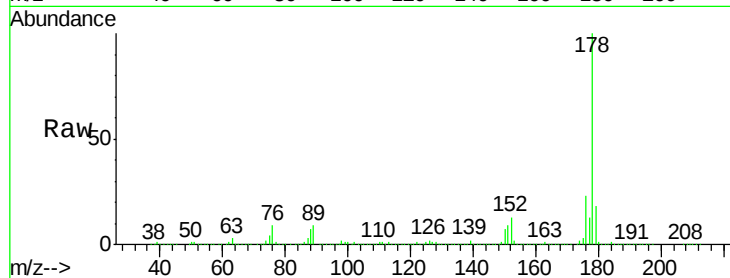
Tgt Ion:178 Resp:11657756

Ion Ratio Lower Upper

178 100

176 22.8 15.9 23.9

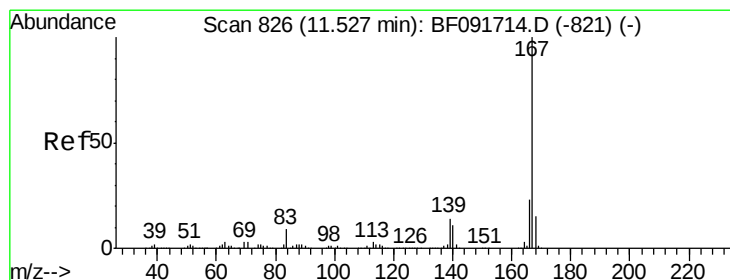
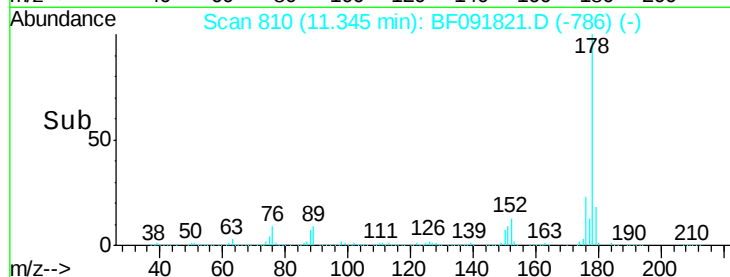
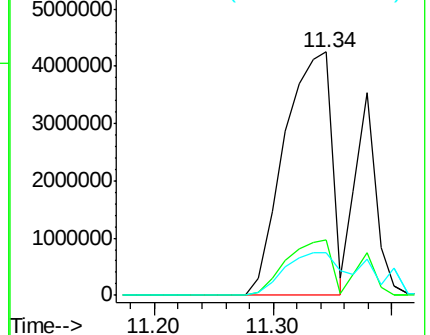
179 17.7 13.2 19.8



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: 86.98 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

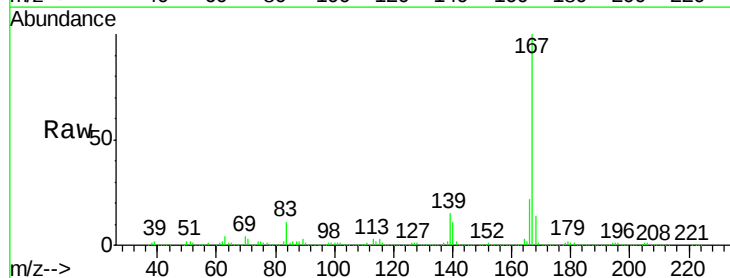
Tgt Ion:167 Resp: 1443219

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.2

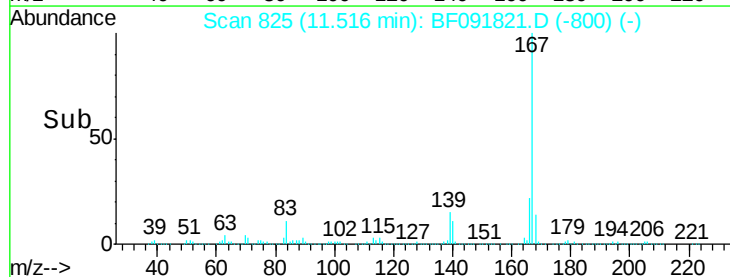
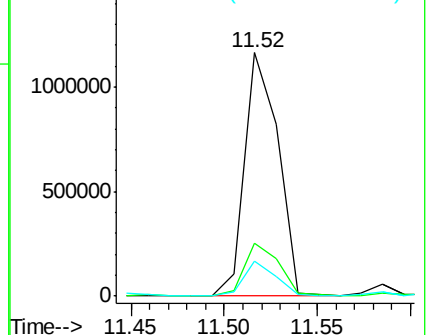
139 14.6 11.4 17.2

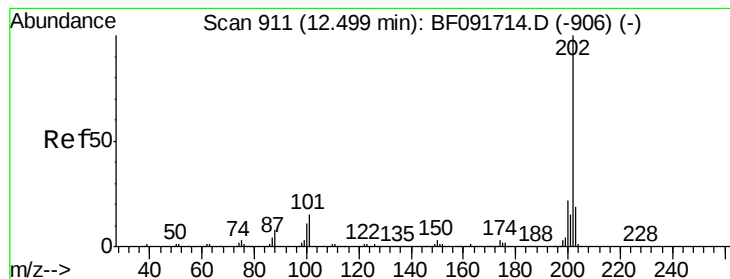


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 568.50 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampled :

SB-1-9-10

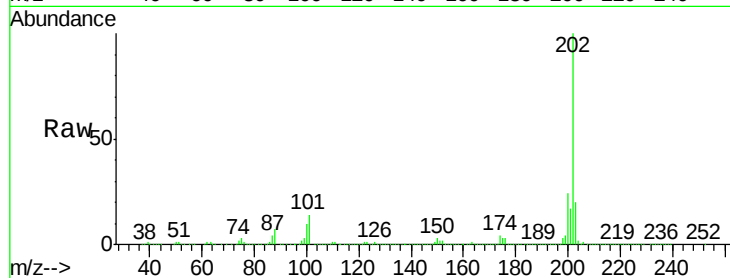
Tgt Ion:202 Resp:10636813

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.6

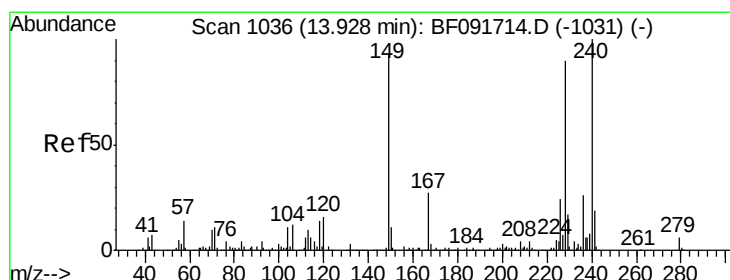
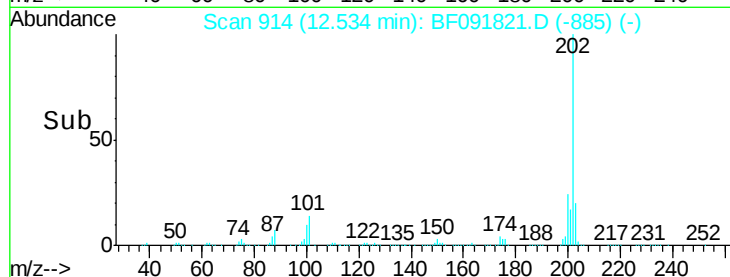
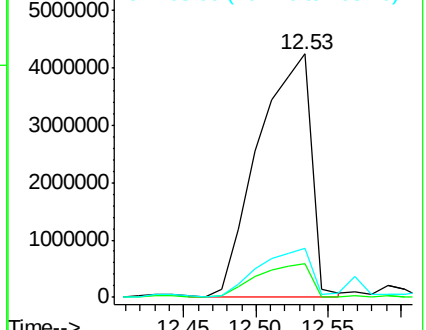
203 20.2 0.0 38.7



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: 13.95 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

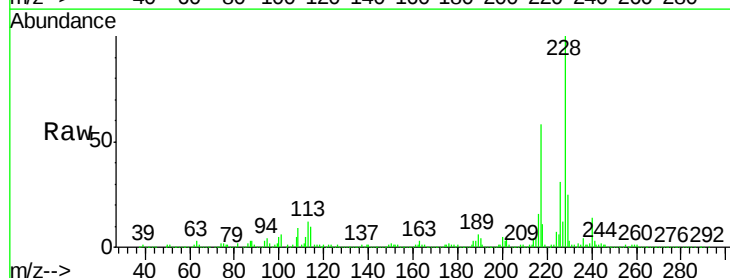
Tgt Ion:240 Resp: 270947

Ion Ratio Lower Upper

240 100

120 10.6 12.9 19.3#

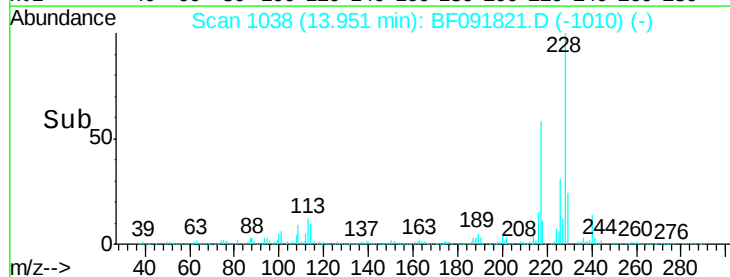
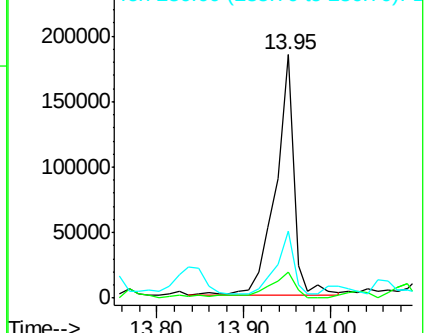
236 27.6 20.9 31.3

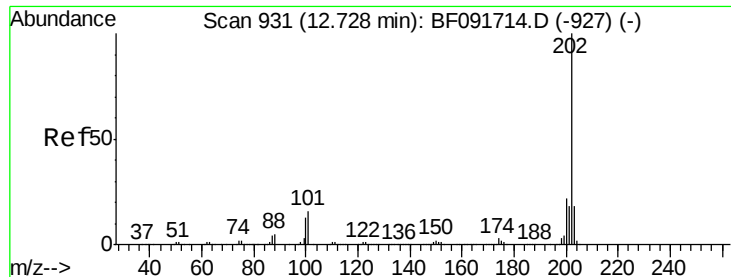


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 466.47 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.03 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampled :

SB-1-9-10

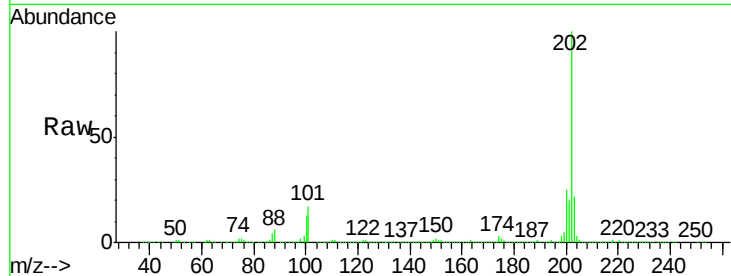
Tgt Ion:202 Resp: 9127368

Ion Ratio Lower Upper

202 100

200 24.9 17.7 26.5

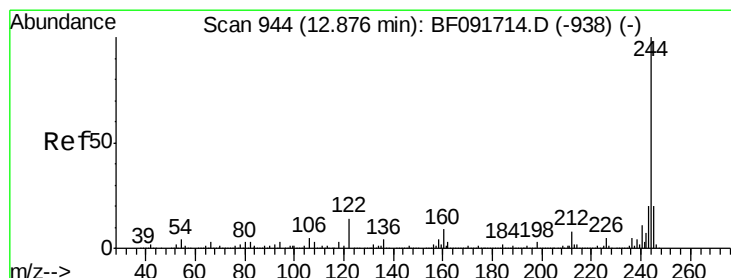
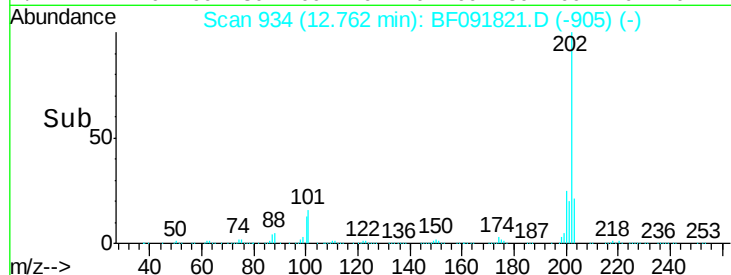
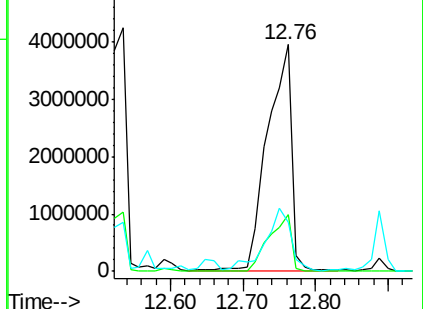
203 21.7 14.7 22.1



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: 44.68 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

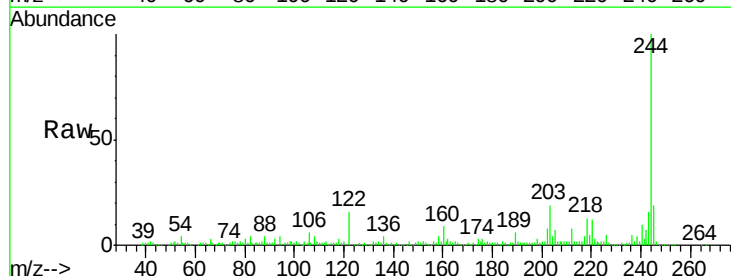
Tgt Ion:244 Resp: 479438

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

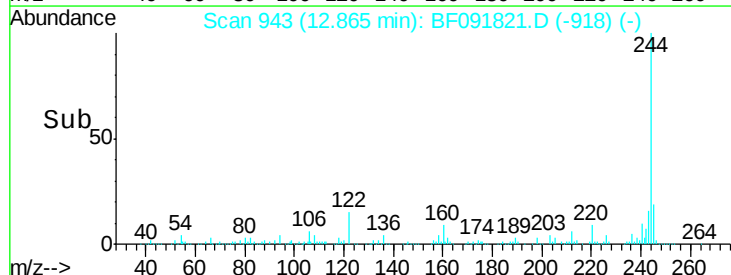
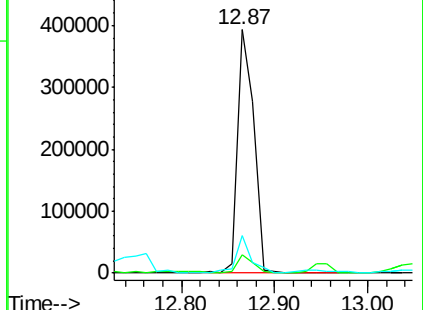
122 15.6 11.4 17.2

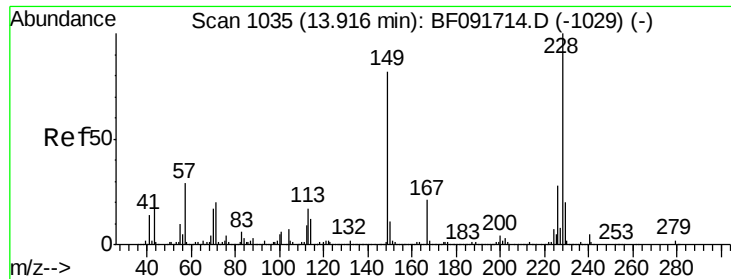


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 421.80 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

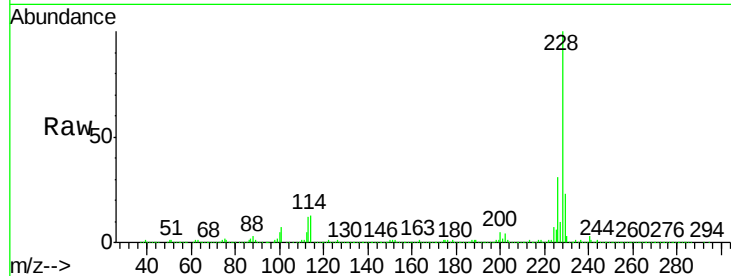
Tgt Ion:228 Resp: 6537060

Ion Ratio Lower Upper

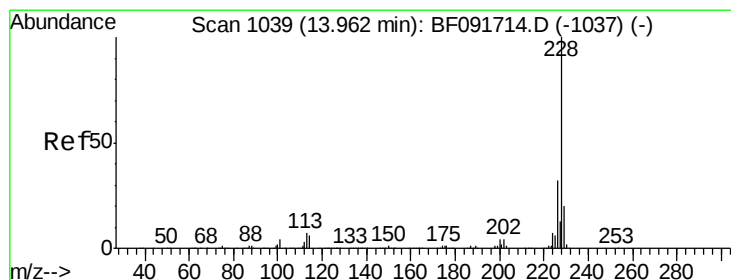
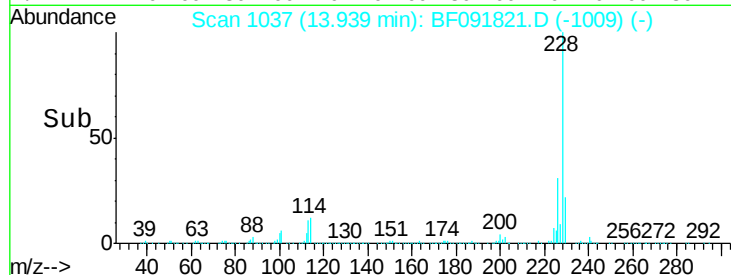
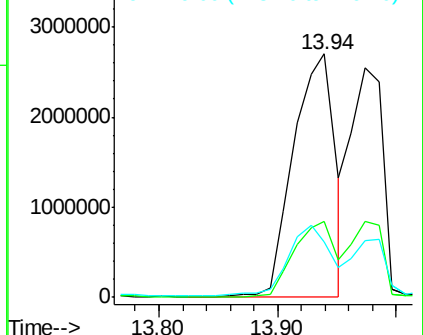
228 100

226 31.1 22.4 33.6

229 22.9 16.2 24.4



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: 406.93 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

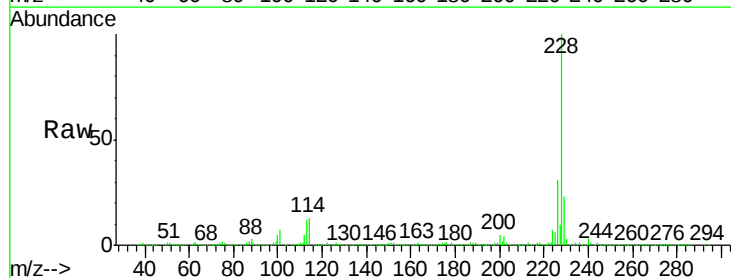
Tgt Ion:228 Resp: 6537060

Ion Ratio Lower Upper

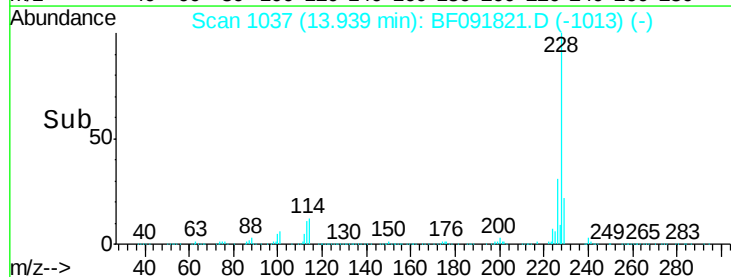
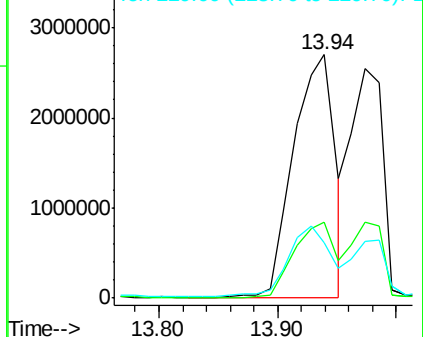
228 100

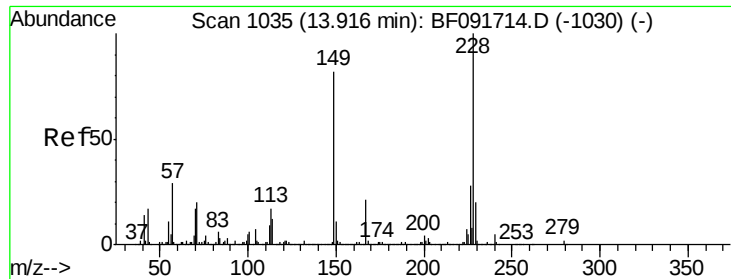
226 31.1 25.4 38.0

229 22.9 16.2 24.2



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

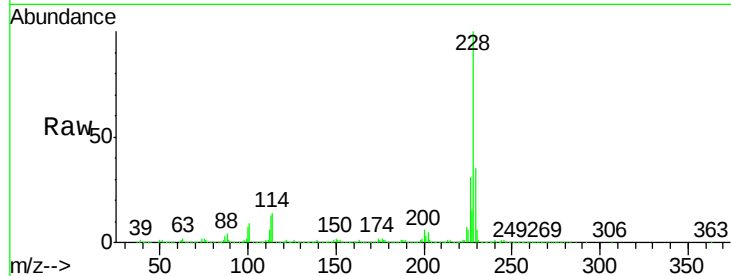




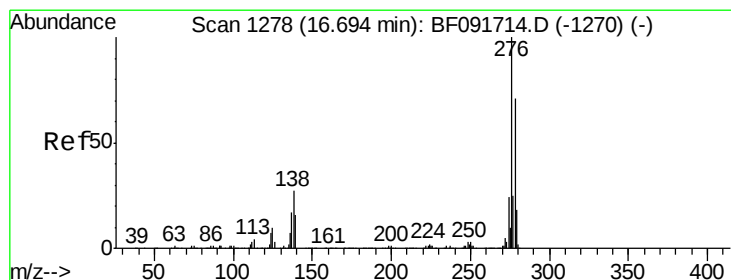
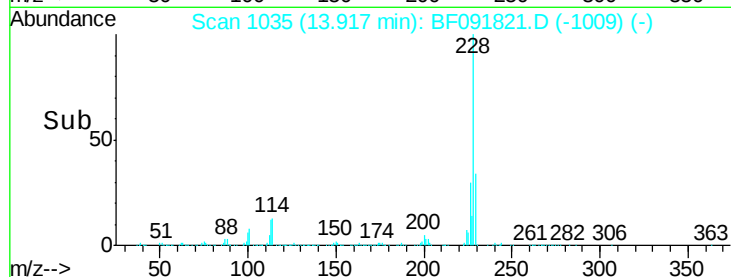
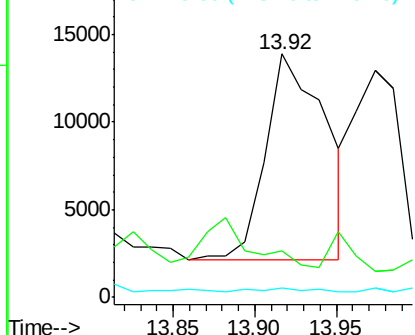
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.59 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-9-10

Tgt Ion:149 Resp: 30036
 Ion Ratio Lower Upper
 149 100
 167 19.1 20.2 30.4#
 279 3.7 1.8 2.8#

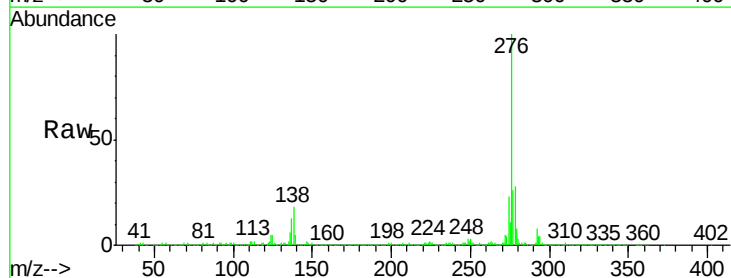


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

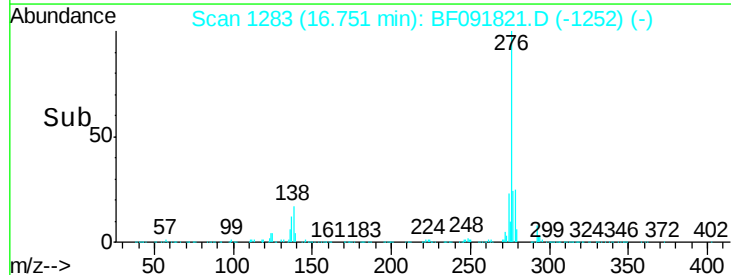
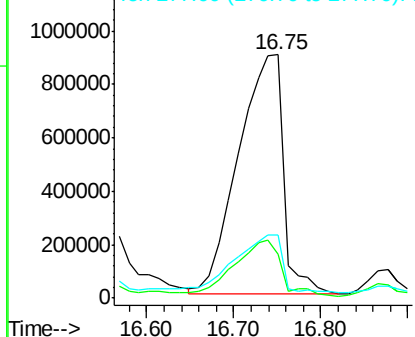


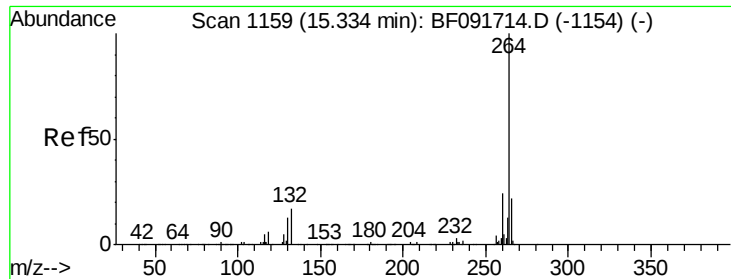
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 205.24 ng
 RT: 16.75 min Scan# 1283
 Delta R.T. 0.06 min
 Lab File: BF091821.D
 Acq: 20 Dec 2016 15:45

Tgt Ion:276 Resp: 3241872
 Ion Ratio Lower Upper
 276 100
 138 24.8 21.8 32.6
 277 25.5 20.2 30.4



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

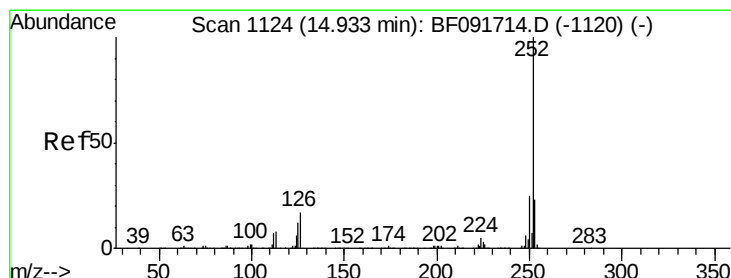
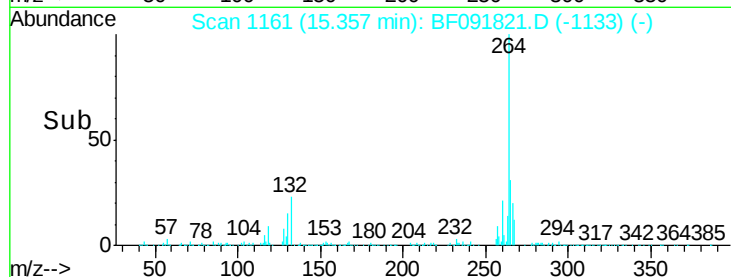
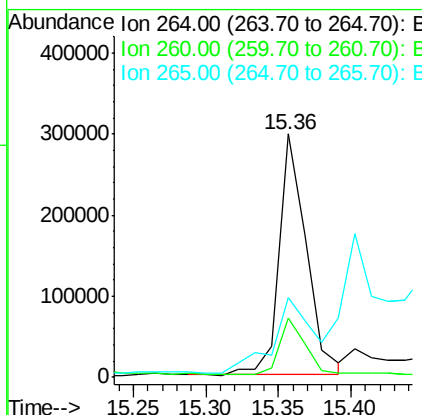
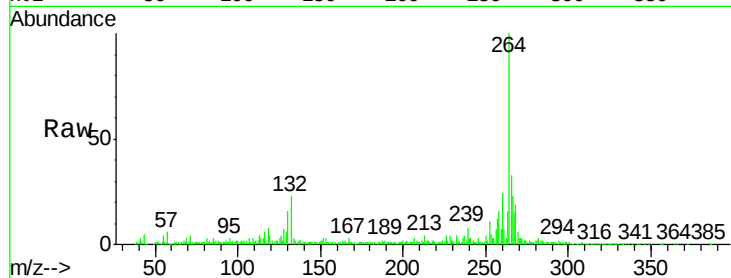




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

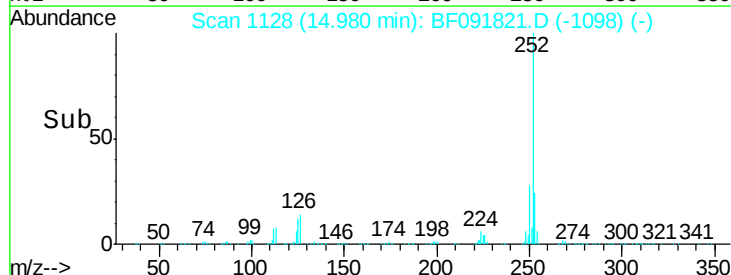
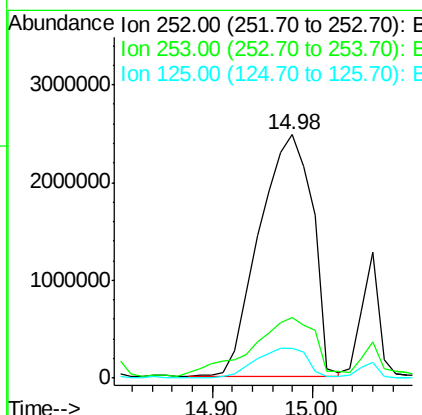
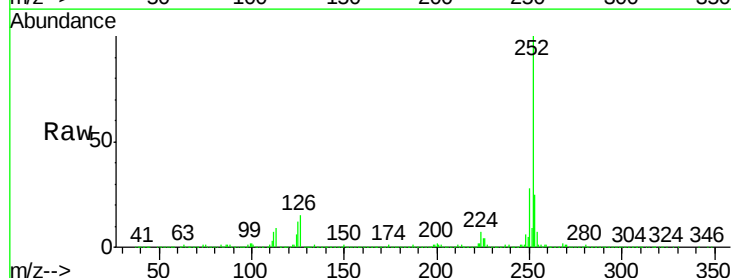
Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

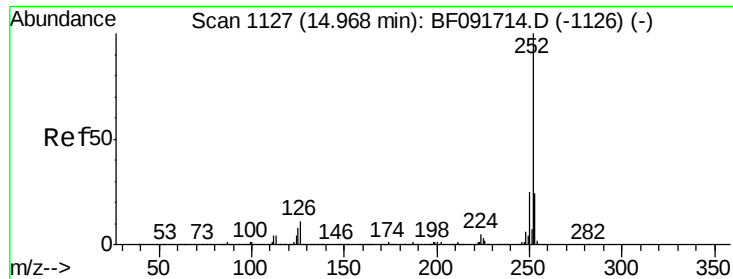
Tgt Ion:264 Resp: 387104
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 32.7 17.4 26.0#



#87
Benzo(b)fluoranthene
Concen: 366.53 ng
RT: 14.98 min Scan# 1128
Delta R.T. 0.05 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:252 Resp: 8997166
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.4
125 12.4 9.8 14.6

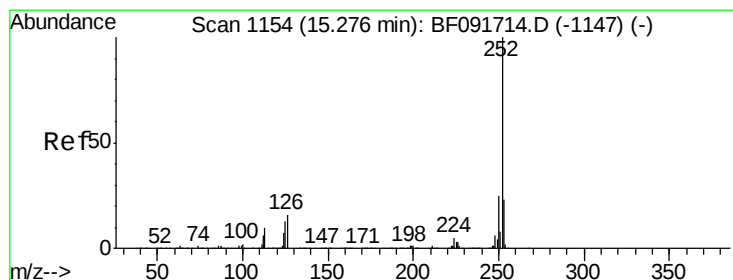
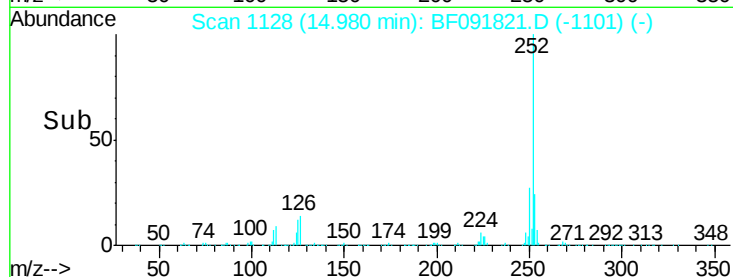
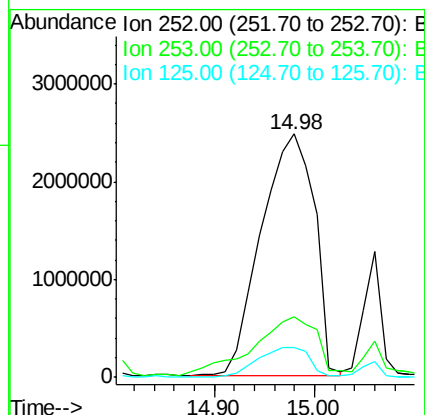
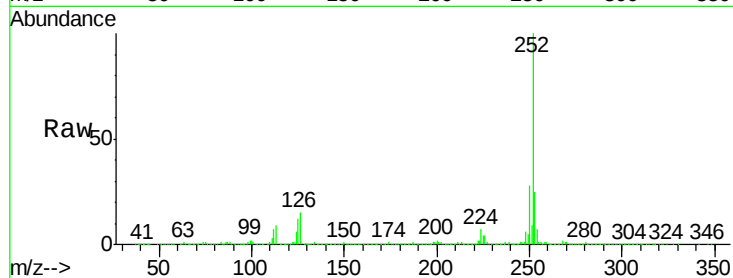




#88
Benzo(k)fluoranthene
Concen: 522.39 ng
RT: 14.98 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

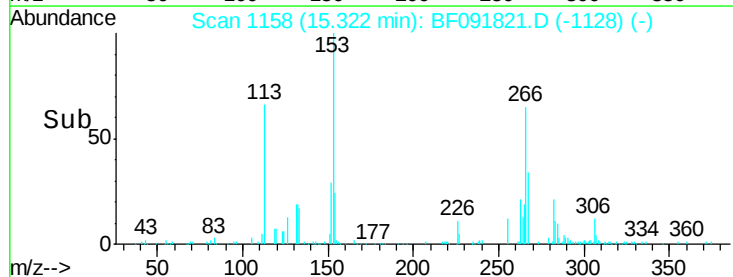
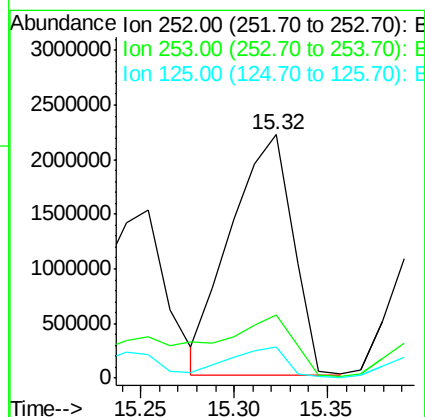
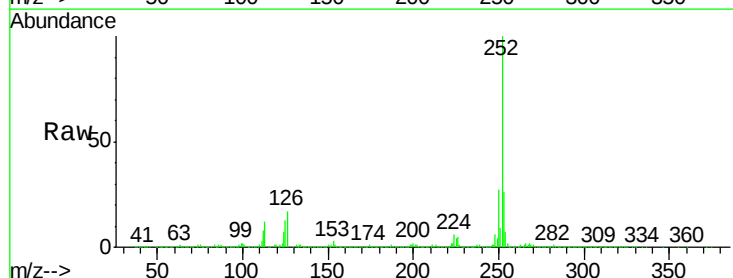
Instrument :
BNA_F
ClientSampleId :
SB-1-9-10

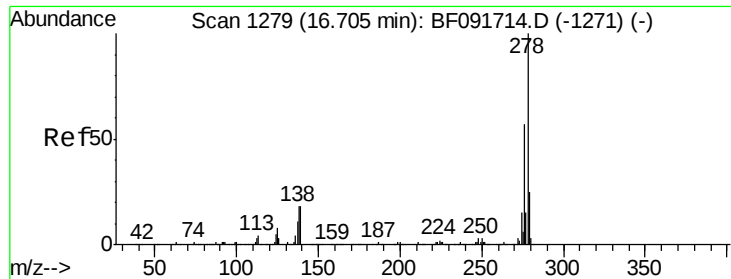
Tgt Ion:252 Resp: 8997166
Ion Ratio Lower Upper
252 100
253 24.9 18.5 27.7
125 12.4 8.9 13.3



#89
Benzo(a)pyrene
Concen: 241.57 ng
RT: 15.32 min Scan# 1158
Delta R.T. 0.05 min
Lab File: BF091821.D
Acq: 20 Dec 2016 15:45

Tgt Ion:252 Resp: 5089403
Ion Ratio Lower Upper
252 100
253 26.1 18.2 27.2
125 12.6 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 44.48 ng

RT: 16.88 min Scan# 1294

Delta R.T. 0.17 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1-9-10

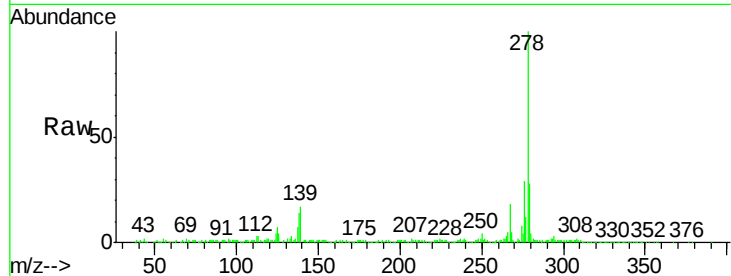
Tgt Ion:278 Resp: 816763

Ion Ratio Lower Upper

278 100

139 16.8 14.8 22.2

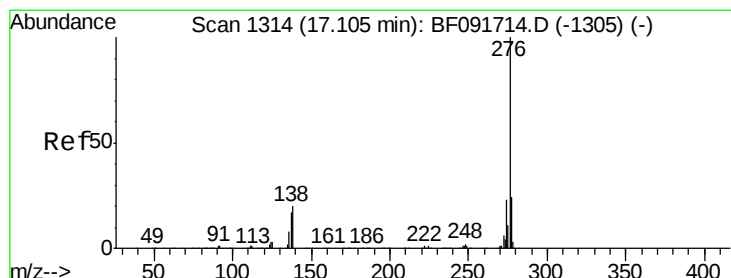
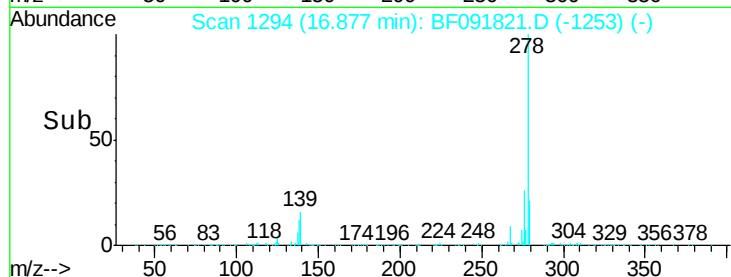
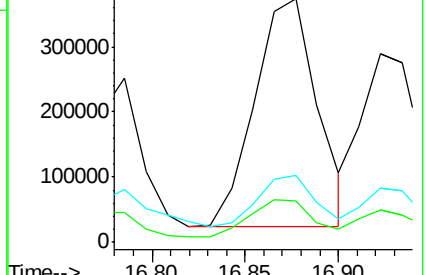
279 27.6 19.8 29.6



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: 144.54 ng

RT: 17.15 min Scan# 1318

Delta R.T. 0.05 min

Lab File: BF091821.D

Acq: 20 Dec 2016 15:45

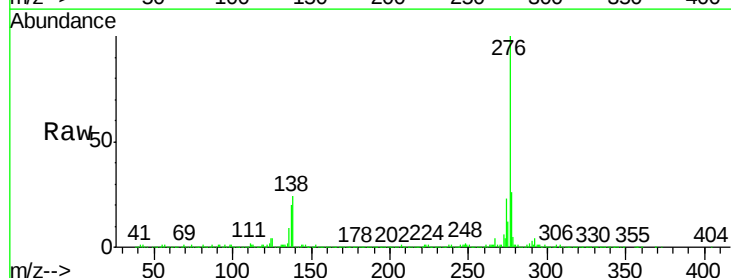
Tgt Ion:276 Resp: 2697786

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 23.6 16.0 24.0



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

