

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091568.D
 Acq On : 13 Dec 2016 21:47
 Operator : UM/SJ
 Sample : H5994-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16

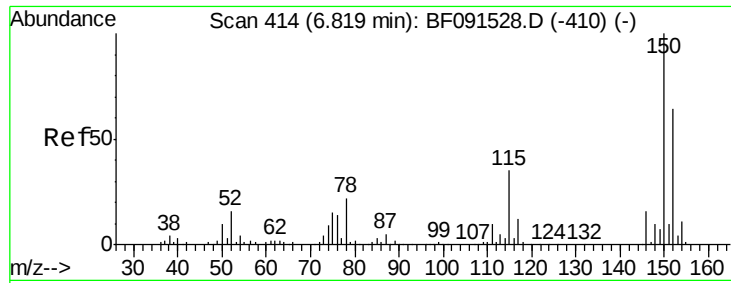
Quant Time: Dec 14 00:24:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	306990	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1285073	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	618064	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	923194	20.00	ng	0.00
75) Chrysene-d12	13.97	240	582855	20.00	ng	0.01
86) Perylene-d12	15.39	264	669493	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2574242	141.27	ng	0.01
7) Phenol-d6	6.46	99	3437034	151.30	ng	0.01
23) Nitrobenzene-d5	7.38	82	1937564	84.15	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	680908	132.64	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	3256187	91.03	ng	-0.01
78) Terphenyl-d14	12.92	244	2165924	84.32	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	69464	4.44	ng	89
10) Phenol	6.48	94	132464	4.99	ng	# 68
19) n-Nitroso-di-n-propylamine	7.38	70	271606	19.12	ng	# 65
20) 3+4-Methylphenols	7.23	107	5050	Below	Cal	89
31) Naphthalene	8.12	128	533465	8.92	ng	98
32) Benzoic acid	7.89	122	3944	5.16	ng	# 7
33) 4-Chloroaniline	8.12	127	67513	2.62	ng	# 33
37) 2-Methylnaphthalene	8.81	142	218793	5.65	ng	95
49) Dimethylphthalate	9.57	163	513908	13.13	ng	99
51) Acenaphthene	9.88	154	679173	18.50	ng	99
54) Dibenzofuran	10.05	168	553153	12.18	ng	97
55) 4-Nitrophenol	10.05	139	225936	30.10	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	23692	2.20	ng	# 60
57) Fluorene	10.40	166	792404	21.86	ng	98
64) 4,6-Dinitro-2-methylphenol	10.64	198	2878	3.43	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	40664	4.30	ng	# 1
70) Phenanthrene	11.37	178	5093514	111.41	ng	95
71) Anthracene	11.41	178	2040384	41.38	ng	99
72) Carbazole	11.56	167	636947	14.74	ng	98
74) Fluoranthene	12.56	202	4669448	97.54	ng	97
77) Pyrene	12.78	202	4910194	106.19	ng	95
80) Benzo(a)anthracene	13.96	228	2240793	66.20	ng	98
82) Chrysene	13.96	228	2240793	63.27	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	1101180	34.55	ng	95
87) Benzo(b)fluoranthene	14.99	252	3028080	75.87	ng	97
88) Benzo(k)fluoranthene	14.99	252	3028080	86.29	ng	98
89) Benzo(a)pyrene	15.33	252	1969944	54.79	ng	98
90) Dibenzo(a,h)anthracene	16.76	278	266821	8.28	ng	93
91) Benzo(g,h,i)perylene	17.39	276	309523	9.44	ng	93

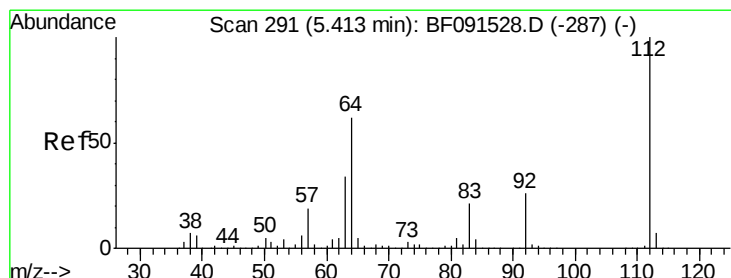
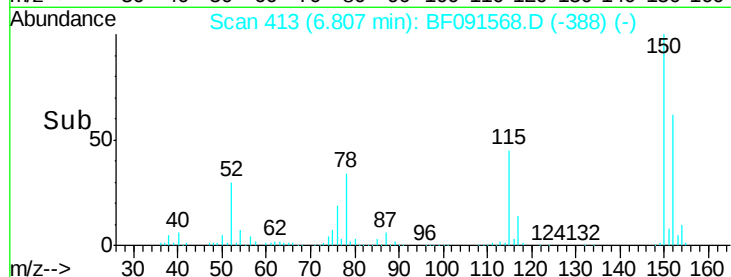
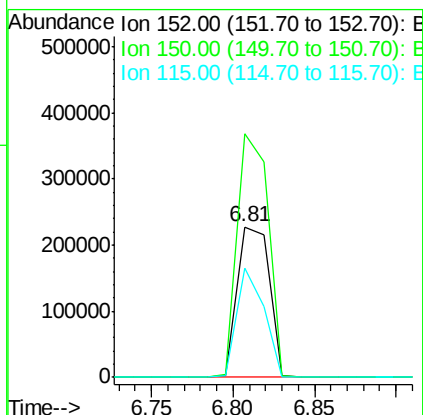
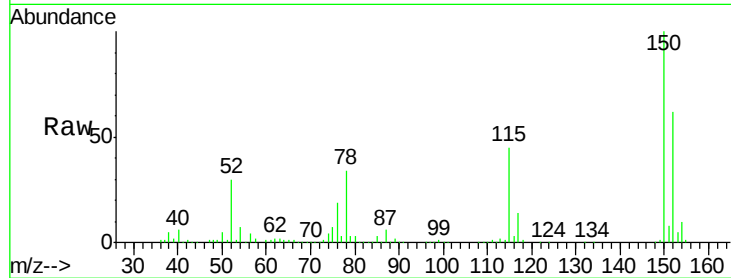
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

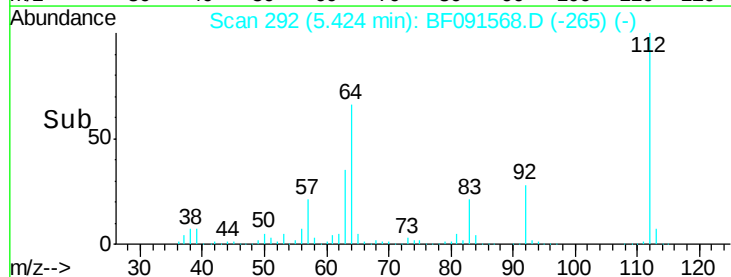
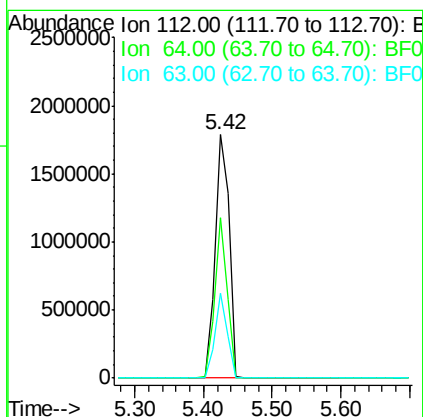
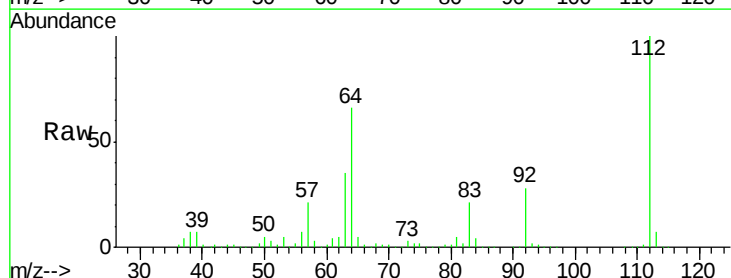
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16

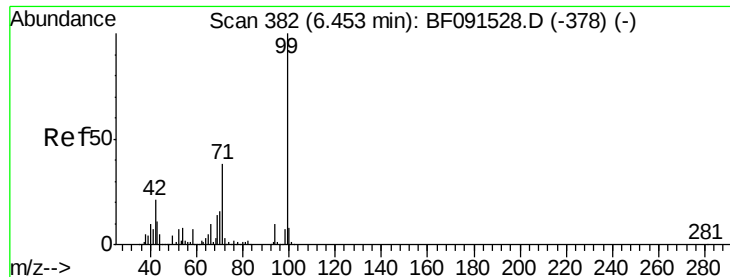
Tgt Ion:152 Resp: 306990
 Ion Ratio Lower Upper
 152 100
 150 161.9 122.5 183.7
 115 72.9 51.8 77.8



#5
 2-Fluorophenol
 Concen: 141.27 ng
 RT: 5.42 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

Tgt Ion:112 Resp: 2574242
 Ion Ratio Lower Upper
 112 100
 64 66.0 61.5 92.3
 63 34.7 33.3 49.9





#7

Phenol-d6

Concen: 151.30 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

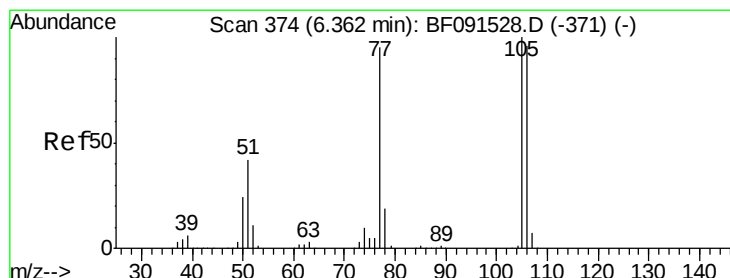
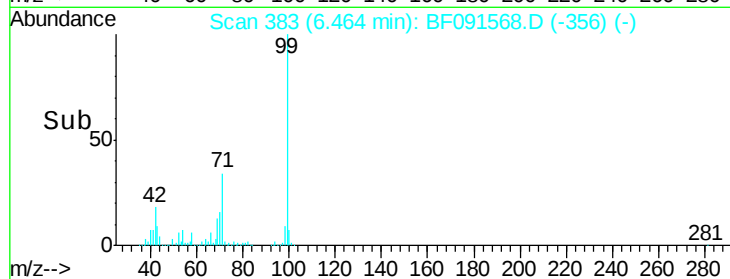
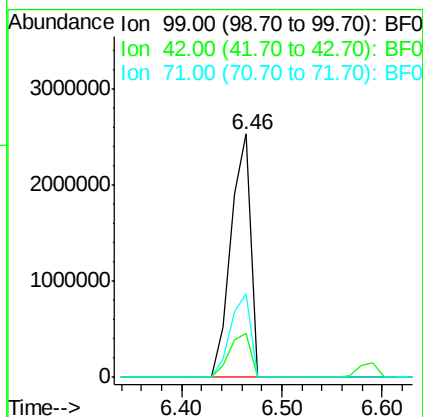
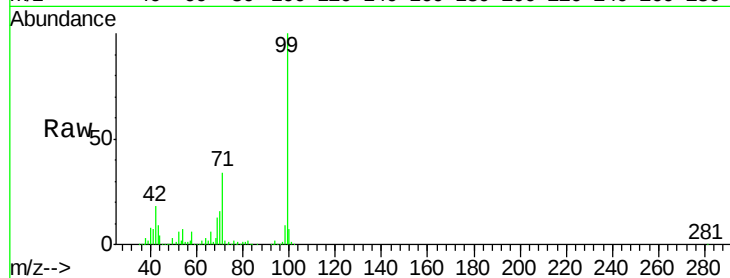
BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

Tgt Ion: 99 Resp: 3437034

Ion	Ratio	Lower	Upper
99	100		
42	18.0	20.6	31.0#
71	34.4	29.9	44.9



#9

Benzaldehyde

Concen: 4.44 ng

RT: 6.59 min Scan# 394

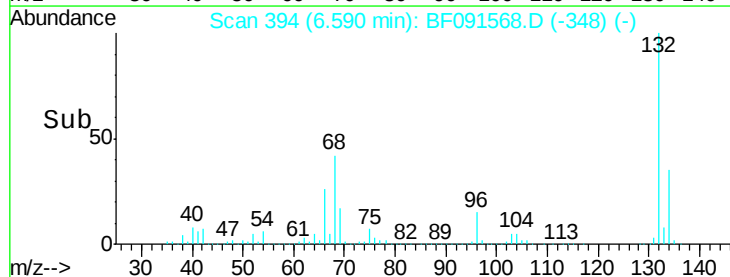
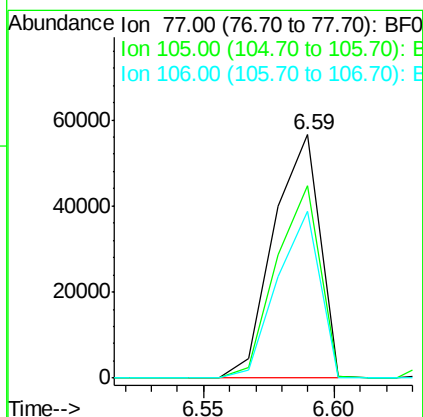
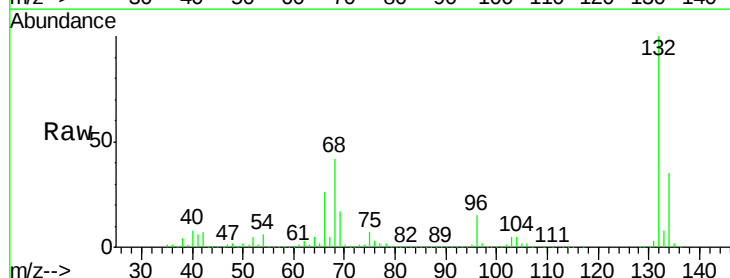
Delta R.T. 0.23 min

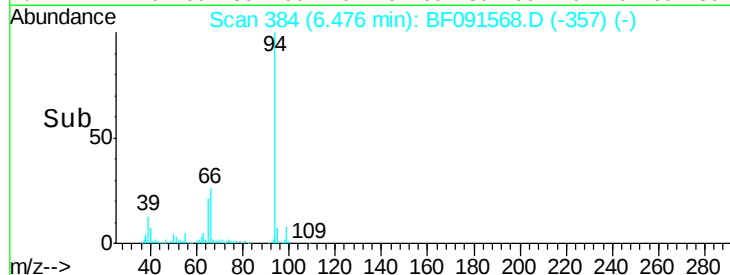
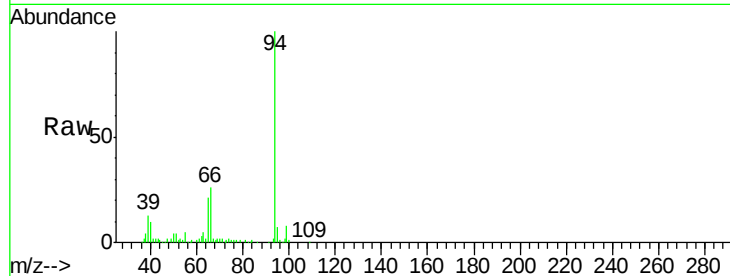
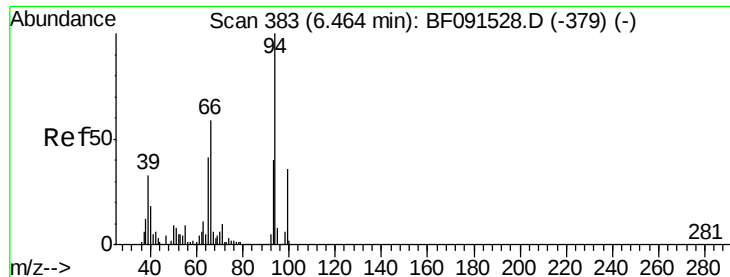
Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Tgt Ion: 77 Resp: 69464

Ion	Ratio	Lower	Upper
77	100		
105	79.1	66.4	106.4
106	68.4	60.9	100.9





#10

Phenol

Concen: 4.99 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

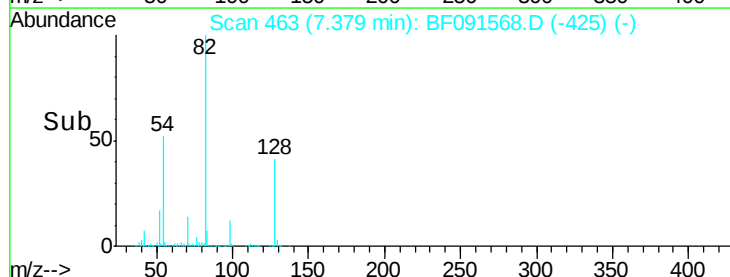
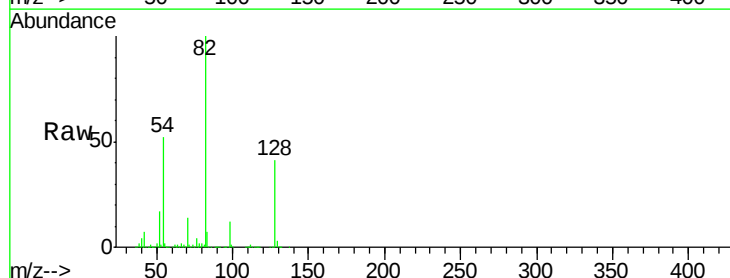
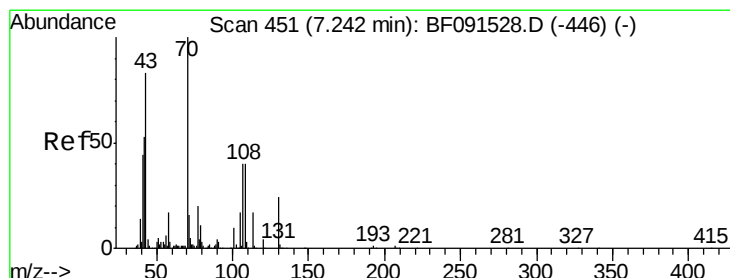
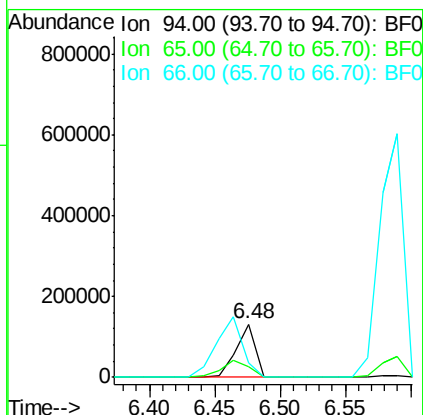
Tgt Ion: 94 Resp: 132464

Ion Ratio Lower Upper

94 100

65 20.8 16.9 56.9

66 26.3 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 19.12 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Tgt Ion: 70 Resp: 271606

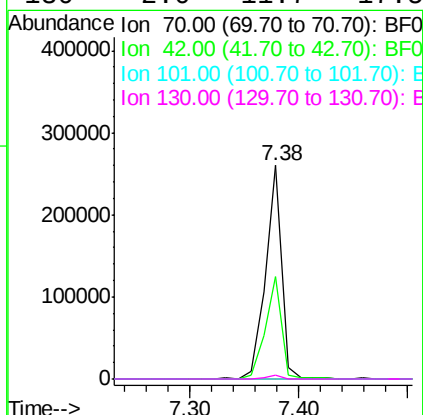
Ion Ratio Lower Upper

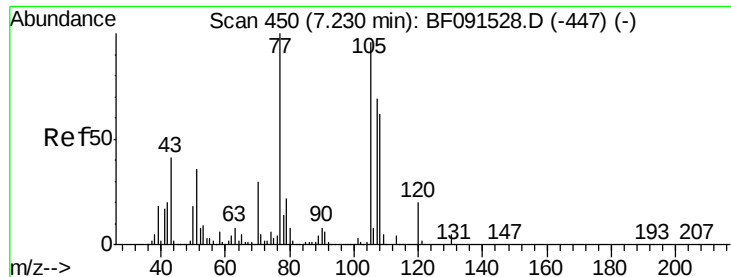
70 100

42 47.7 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.23 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

Tgt Ion:107 Resp: 5050

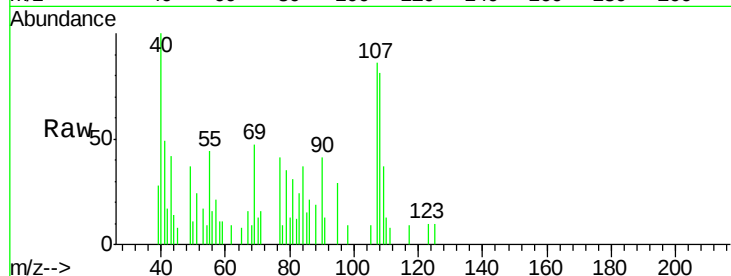
Ion Ratio Lower Upper

107 100

108 94.3 64.6 104.6

77 47.8 30.9 70.9

79 40.7 9.3 49.3

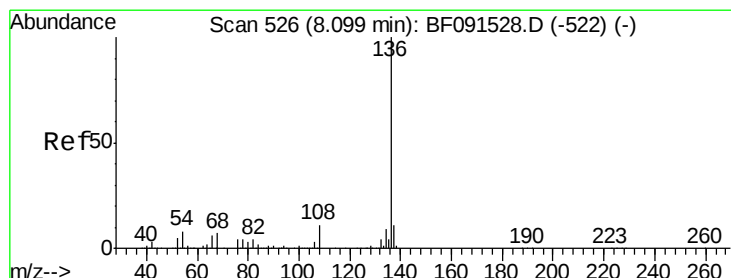
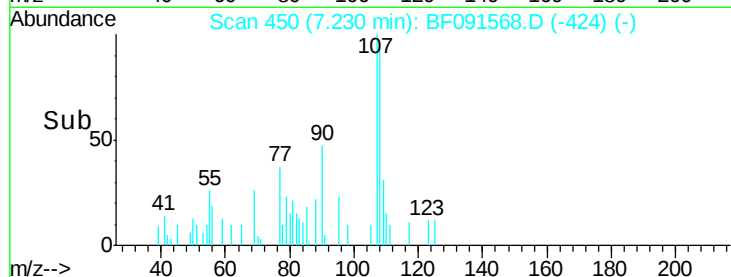
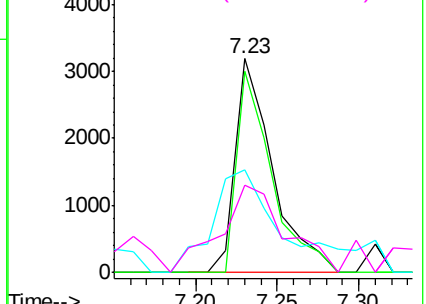


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Tgt Ion:136 Resp: 1285073

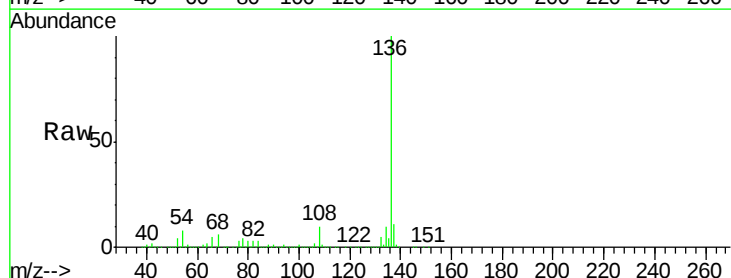
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.5 9.1 13.7#

68 6.2 5.9 8.9

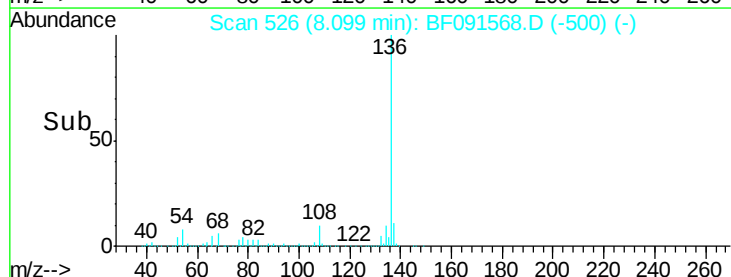
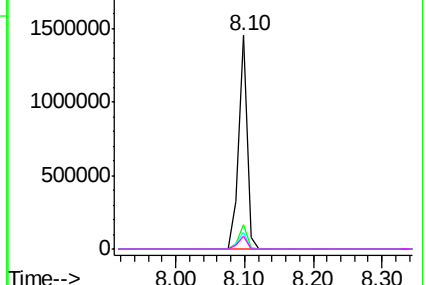


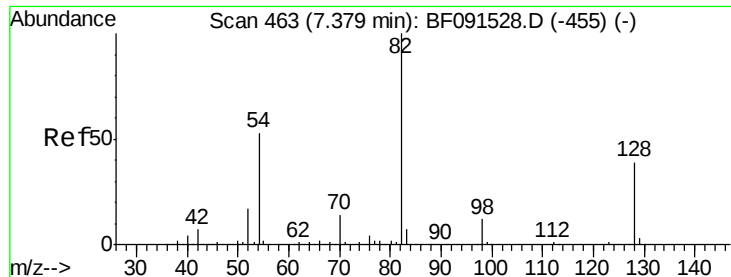
Abundance Ion 136.00 (135.70 to 136.70): E

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

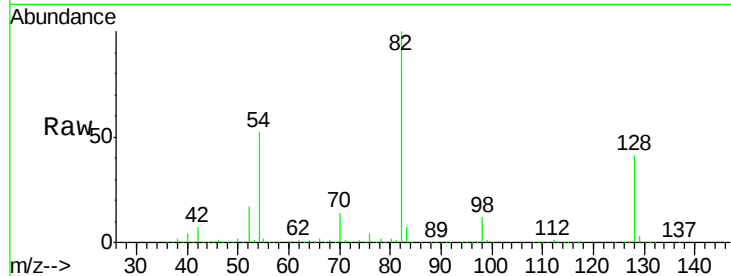




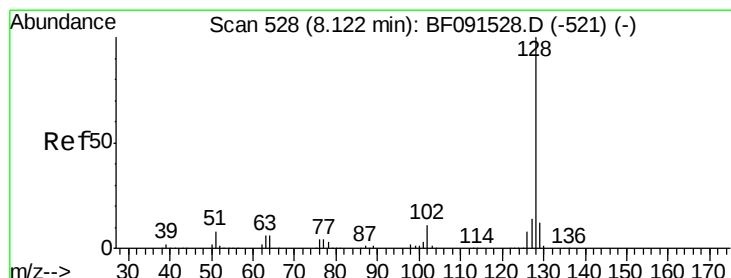
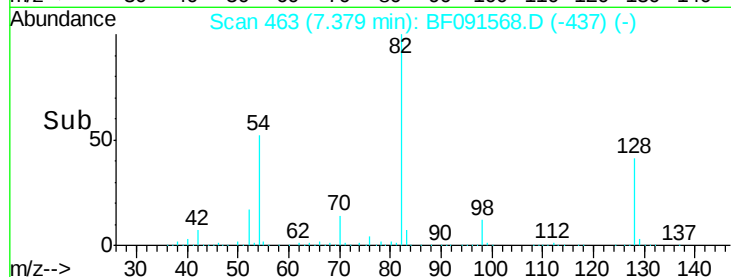
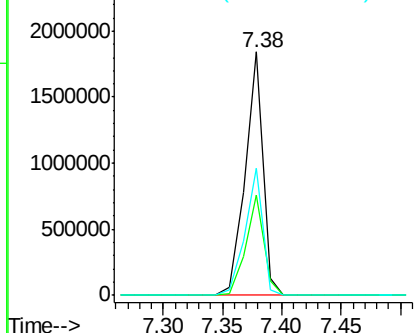
#23
Nitrobenzene-d5
Concen: 84.15 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.00 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16

Tgt Ion: 82 Resp: 1937564
Ion Ratio Lower Upper
82 100
128 41.2 31.8 47.6
54 52.4 49.1 73.7

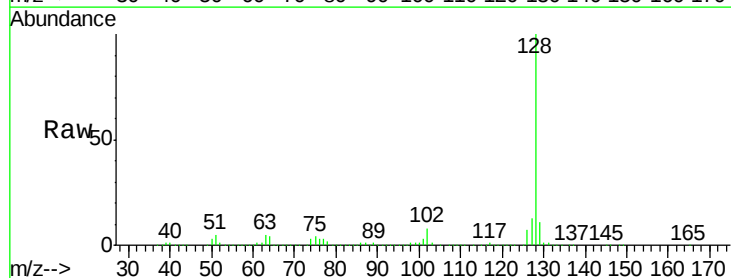


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

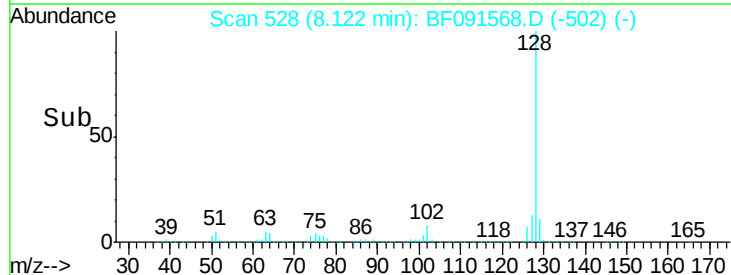
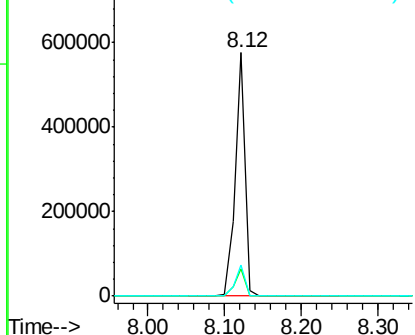


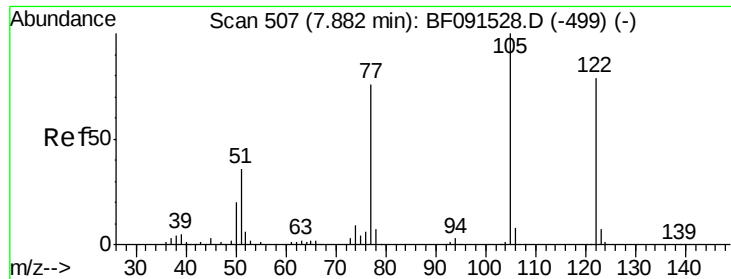
#31
Naphthalene
Concen: 8.92 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Tgt Ion: 128 Resp: 533465
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 12.7 11.0 16.4



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

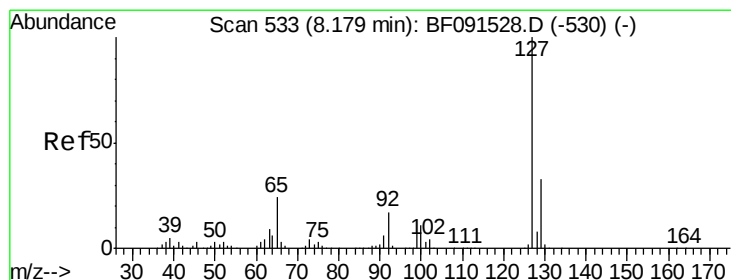
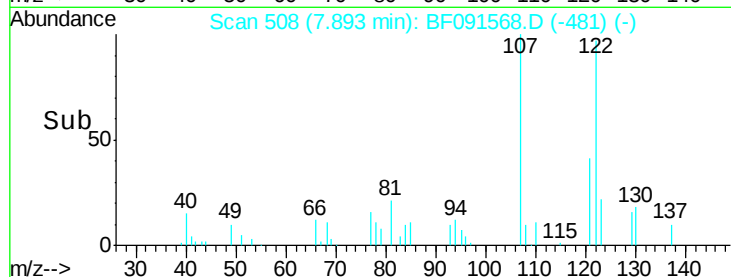
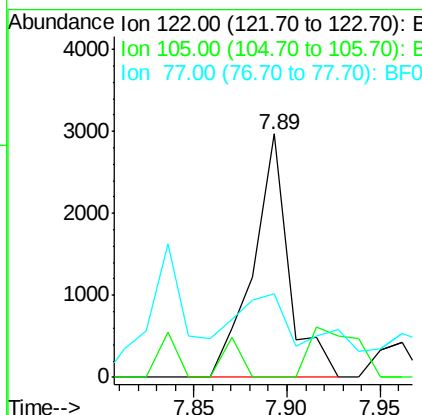
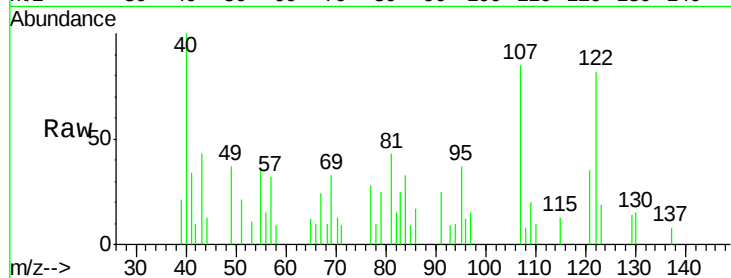




#32
Benzoic acid
Concen: 5.16 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.01 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

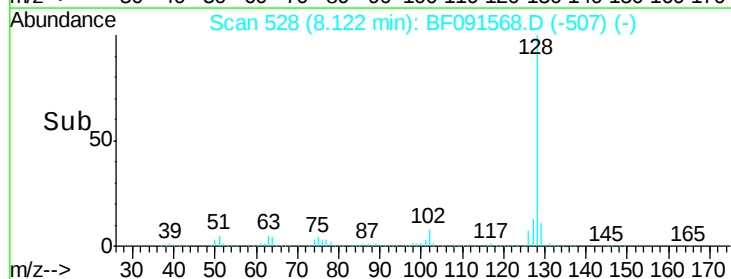
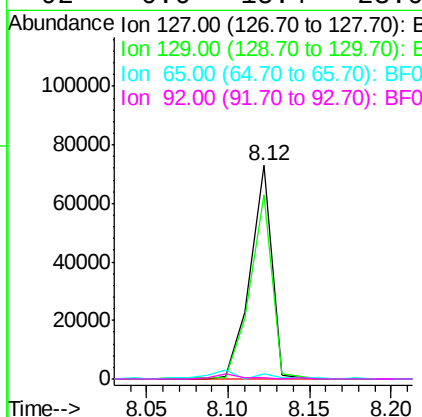
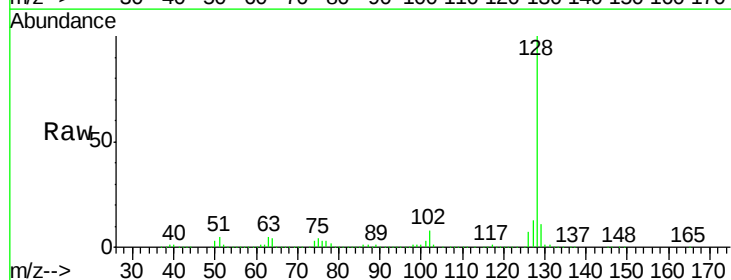
Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16

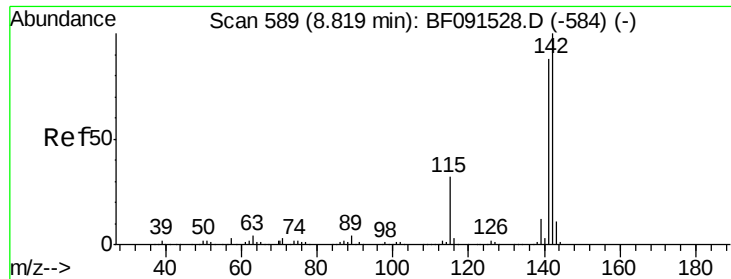
Tgt Ion:122 Resp: 3944
Ion Ratio Lower Upper
122 100
105 0.0 113.0 153.0#
77 34.2 82.0 122.0#



#33
4-Chloroaniline
Concen: 2.62 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.06 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Tgt Ion:127 Resp: 67513
Ion Ratio Lower Upper
127 100
129 86.5 26.2 39.4#
65 2.6 26.6 39.8#
92 0.6 15.4 23.0#

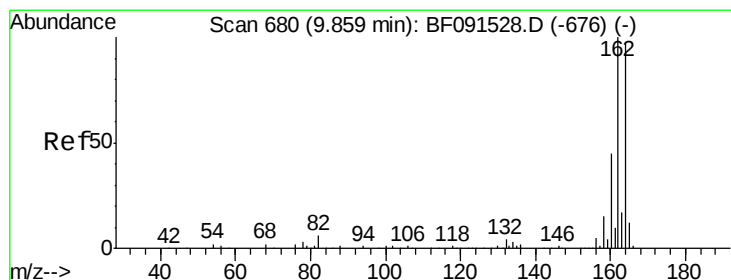
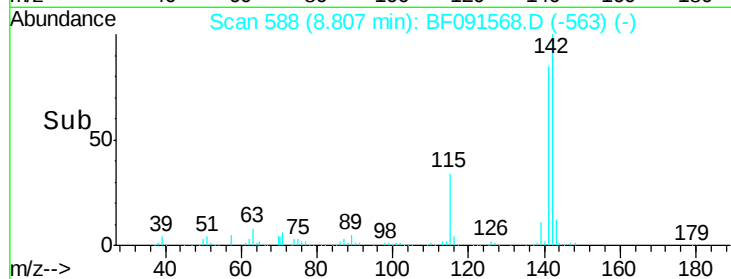
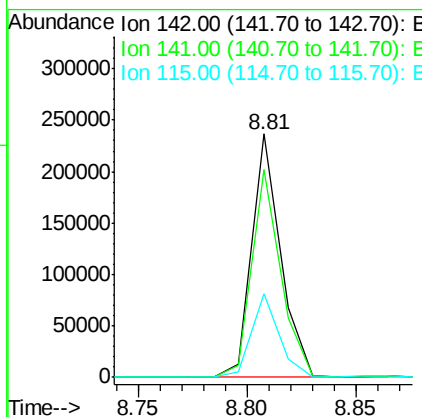
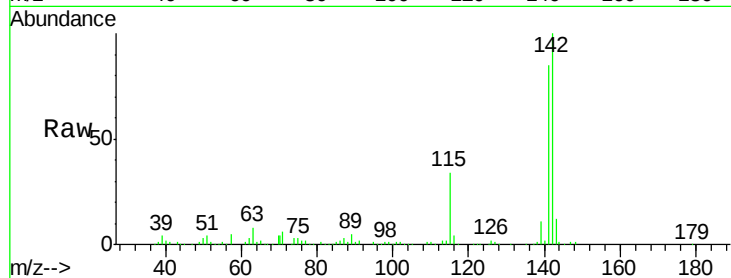




#37
2-Methylnaphthalene
Concen: 5.65 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.01 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

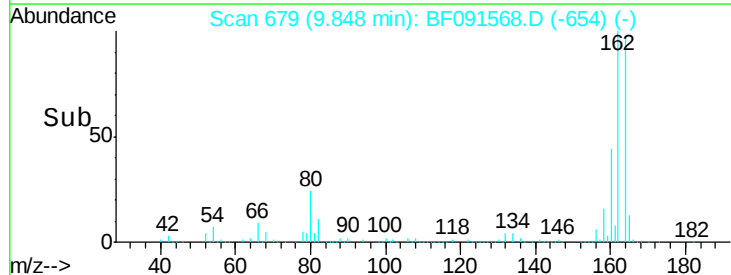
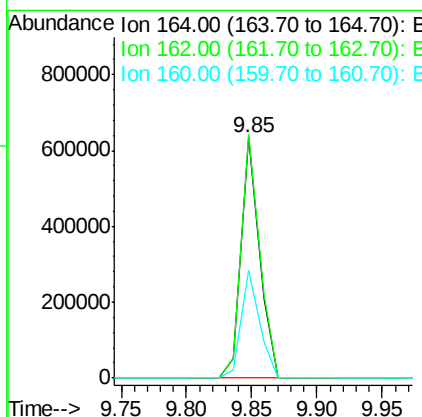
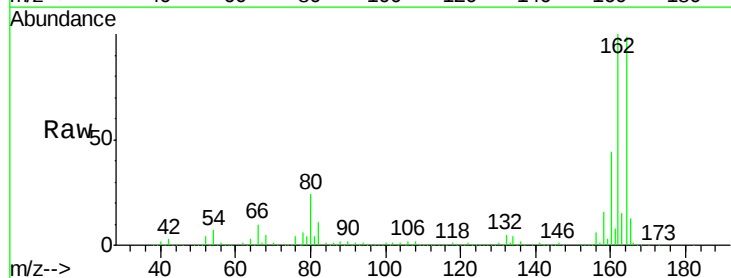
Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16

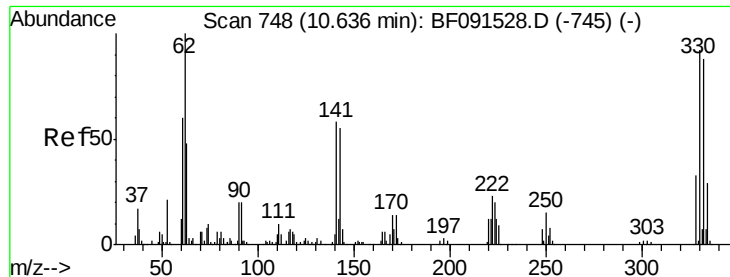
Tgt Ion:142 Resp: 218793
Ion Ratio Lower Upper
142 100
141 85.2 71.7 107.5
115 34.5 25.0 37.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Tgt Ion:164 Resp: 618064
Ion Ratio Lower Upper
164 100
162 101.1 82.6 124.0
160 44.7 36.7 55.1

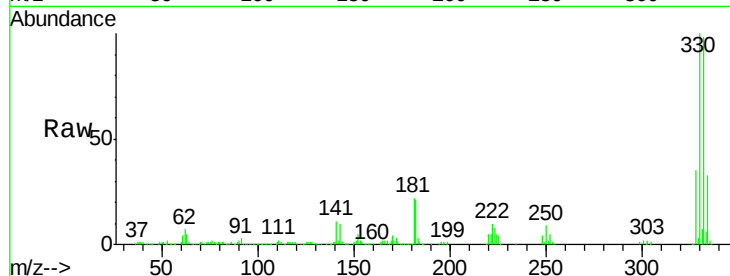




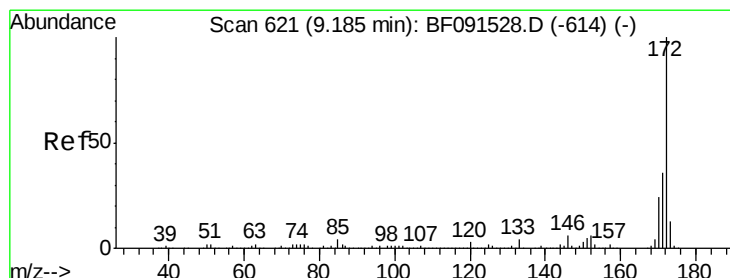
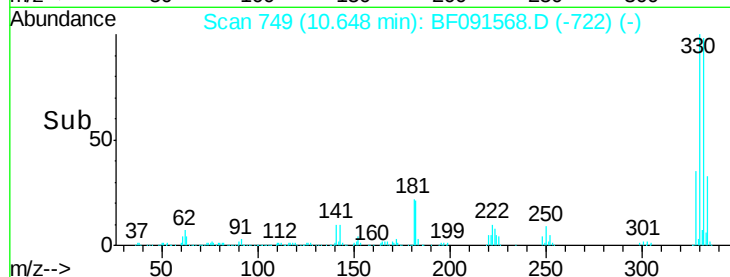
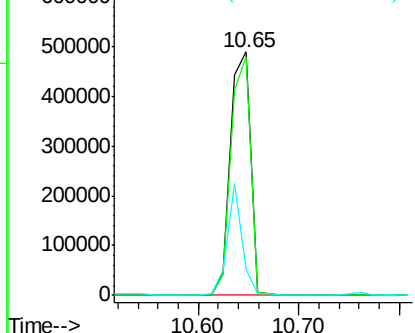
#41
 2,4,6-Tribromophenol
 Concen: 132.64 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16

Tgt Ion:330 Resp: 680908
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.2 114.4
 141 33.5 33.6 50.4#

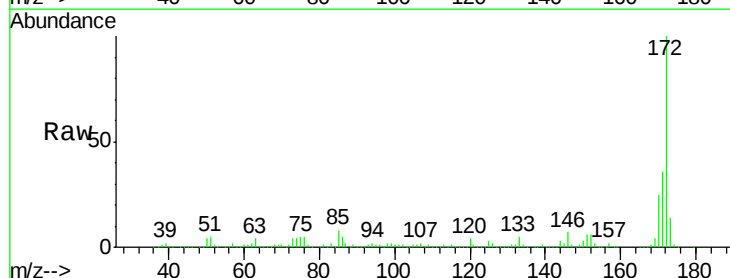


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

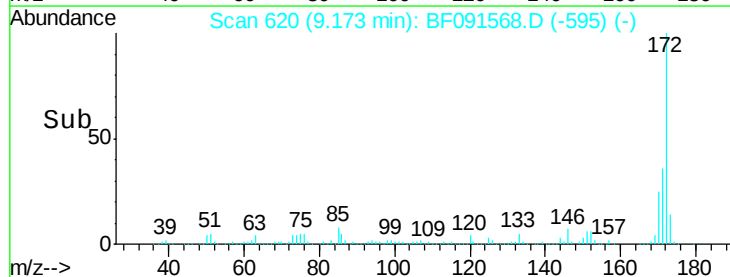
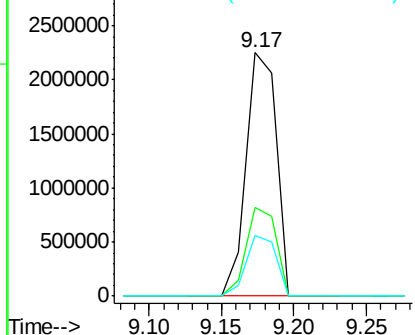


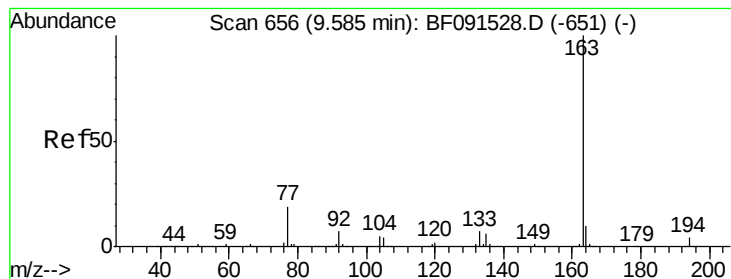
#44
 2-Fluorobiphenyl
 Concen: 91.03 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

Tgt Ion:172 Resp: 3256187
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.8 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 13.13 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

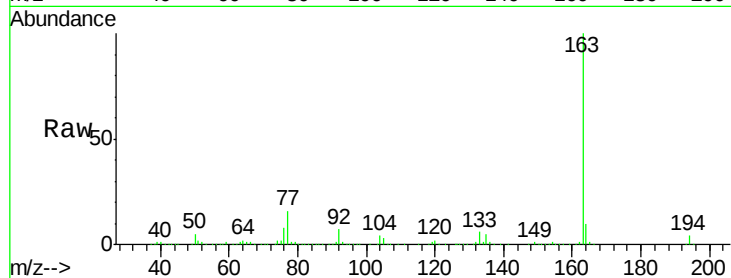
Tgt Ion:163 Resp: 513908

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

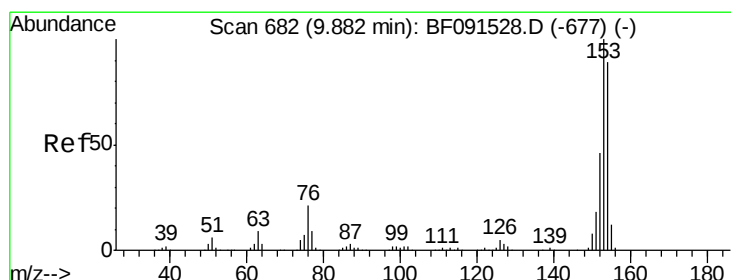
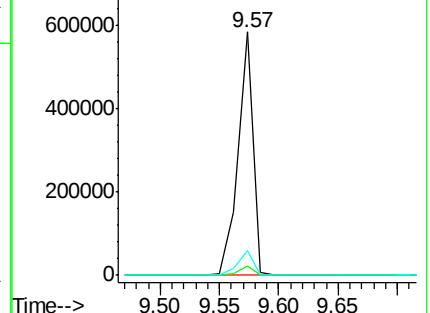
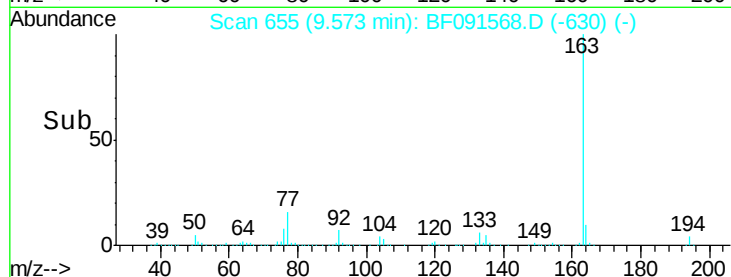
164 10.3 7.8 11.8



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: 18.50 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

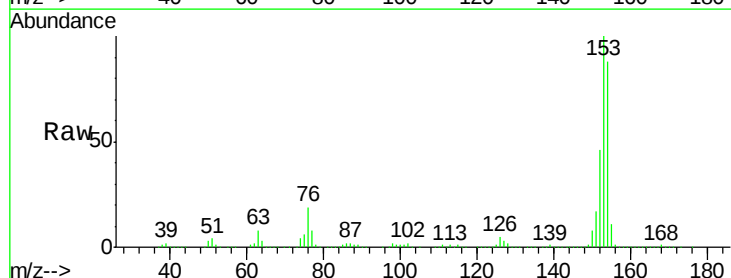
Tgt Ion:154 Resp: 679173

Ion Ratio Lower Upper

154 100

153 113.7 91.0 136.6

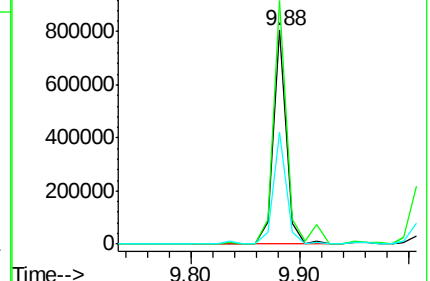
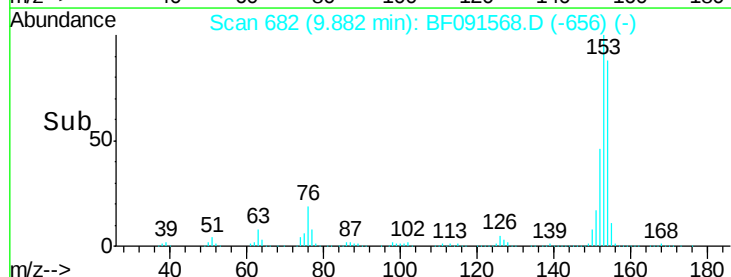
152 52.5 44.2 66.2

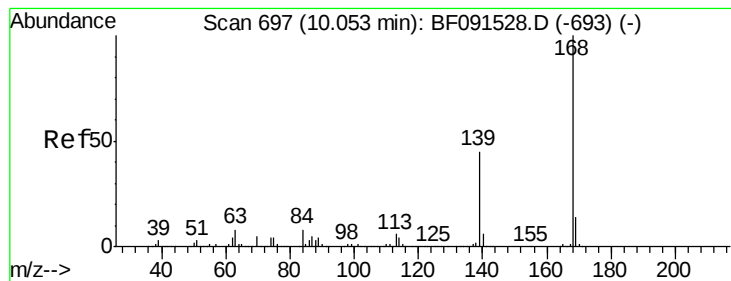


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 12.18 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

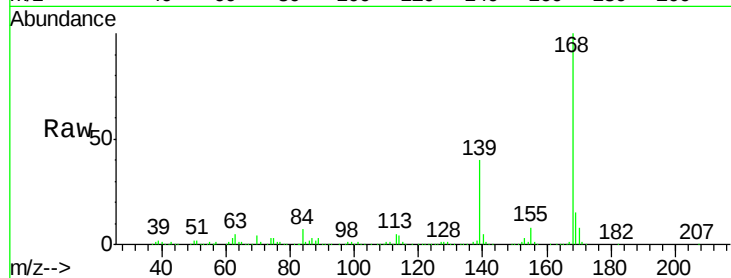
Tgt Ion:168 Resp: 553153

Ion Ratio Lower Upper

168 100

139 39.8 33.4 50.2

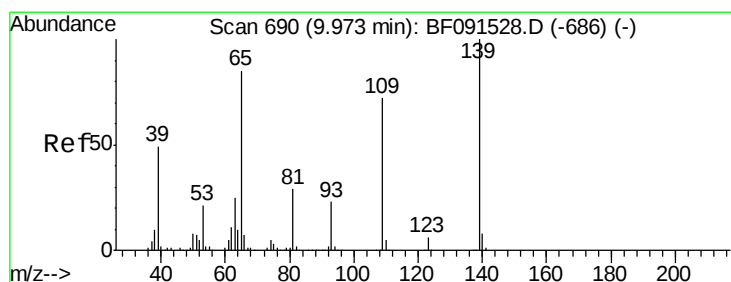
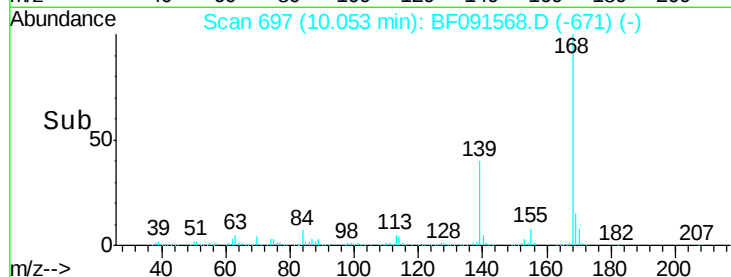
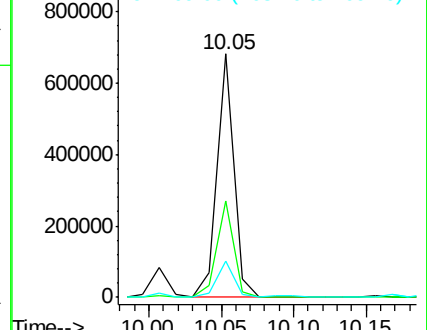
169 15.0 11.1 16.7



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: 30.10 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.08 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

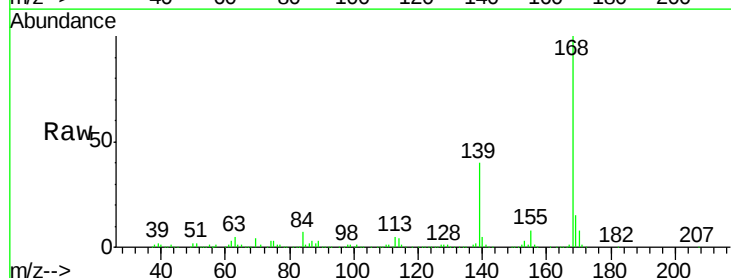
Tgt Ion:139 Resp: 225936

Ion Ratio Lower Upper

139 100

109 0.9 54.9 94.9#

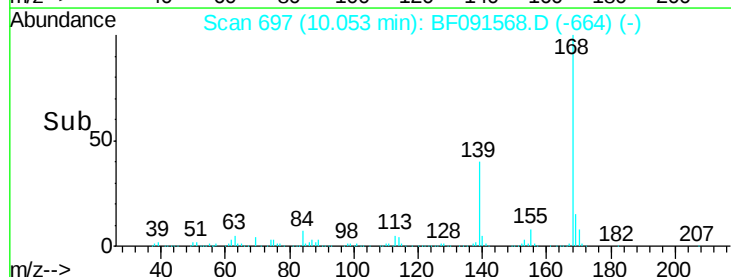
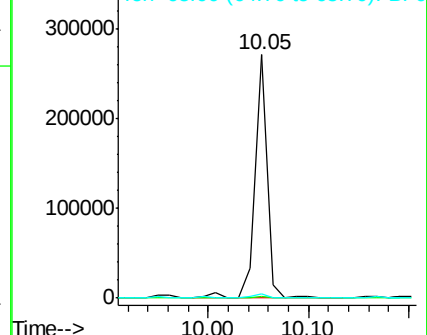
65 1.6 102.2 142.2#

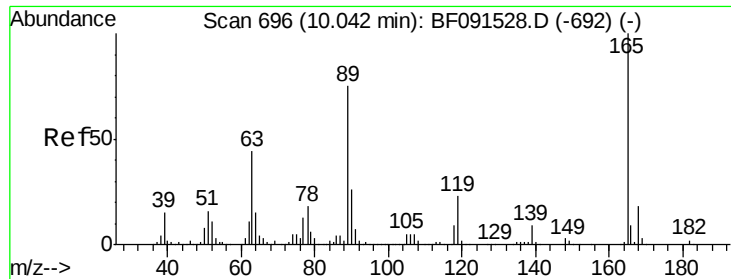


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

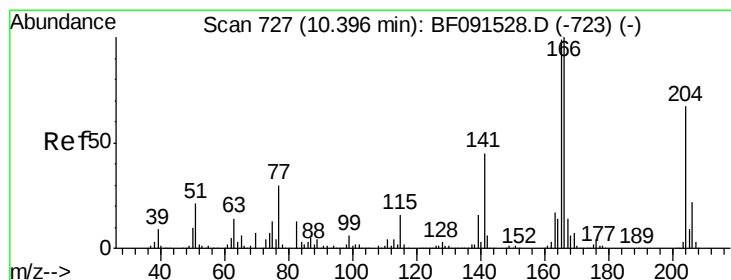
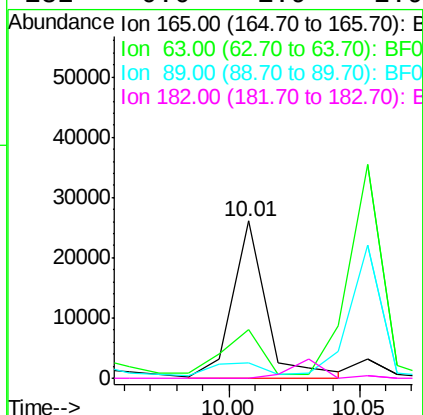
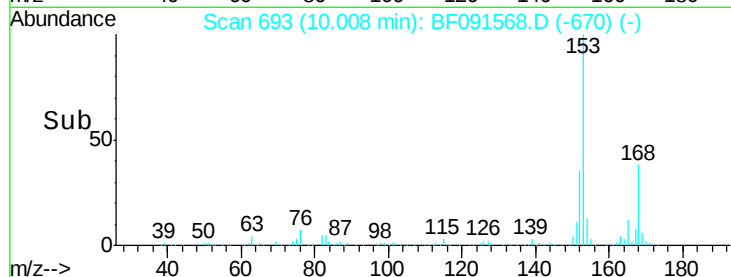
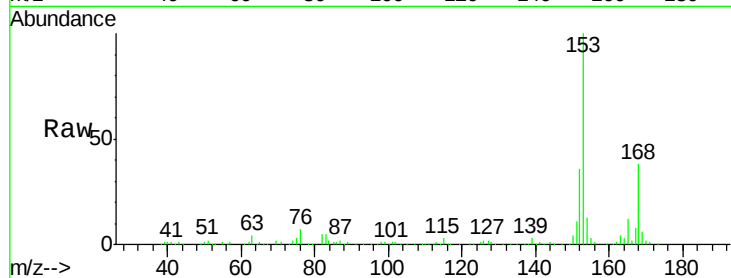




#56
2,4-Dinitrotoluene
Concen: 2.20 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

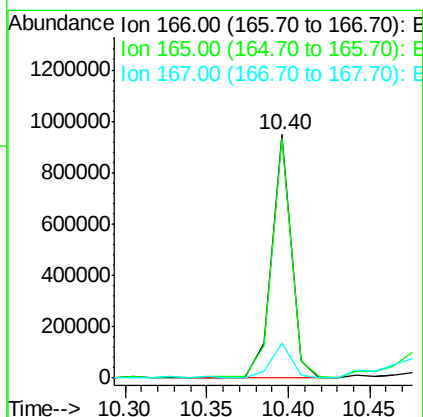
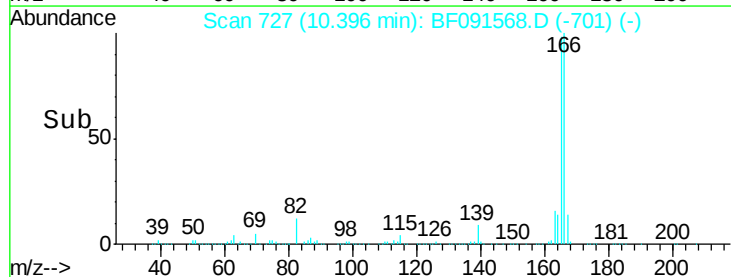
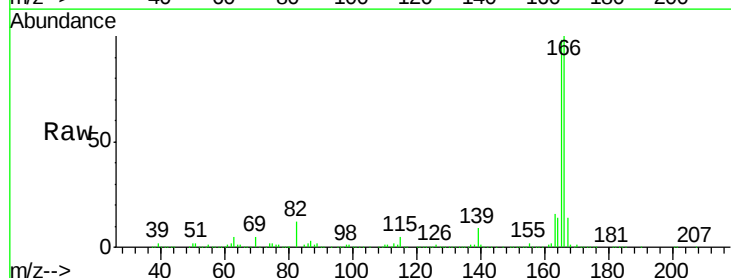
Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16

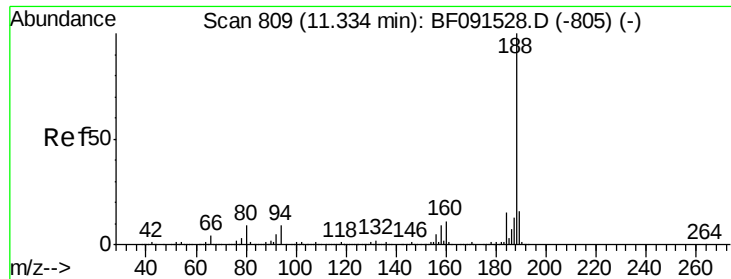
Tgt Ion	Ratio	Lower	Upper
165	100		
63	30.8	29.0	43.4
89	9.7	43.1	64.7#
182	0.0	1.9	2.9#



#57
Fluorene
Concen: 21.86 ng
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.0	120.0
167	14.3	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

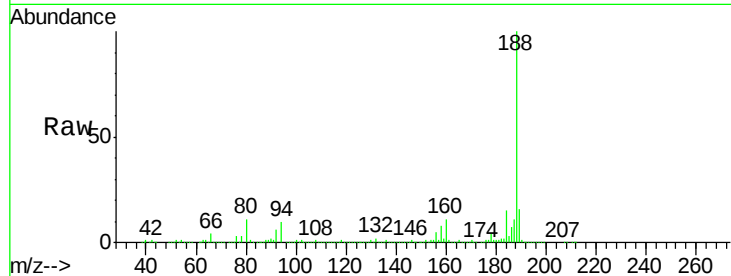
Tgt Ion:188 Resp: 923194

Ion Ratio Lower Upper

188 100

94 10.2 9.2 13.8

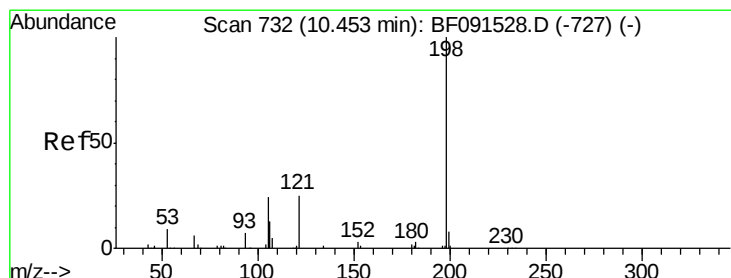
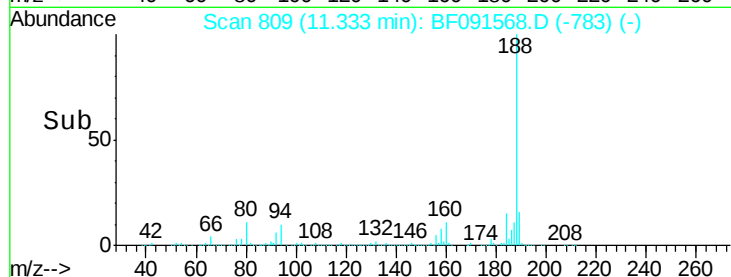
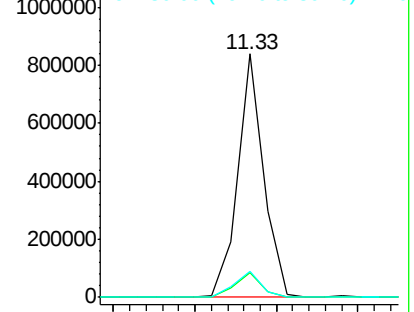
80 10.9 10.5 15.7



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.43 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

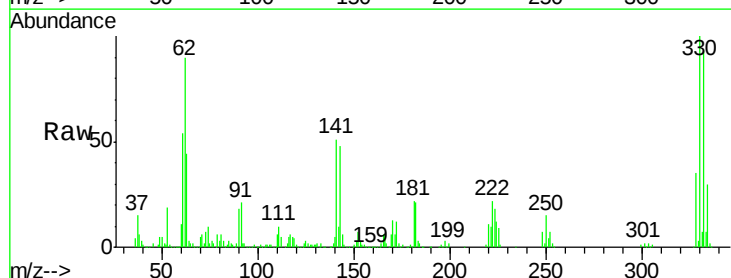
Tgt Ion:198 Resp: 2878

Ion Ratio Lower Upper

198 100

51 506.5 77.1 117.1#

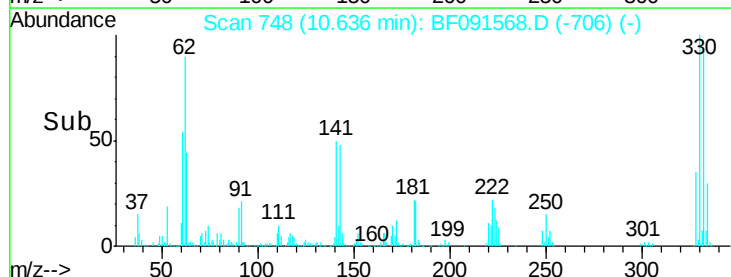
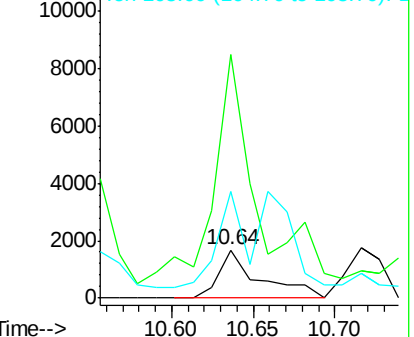
105 222.0 44.8 84.8#

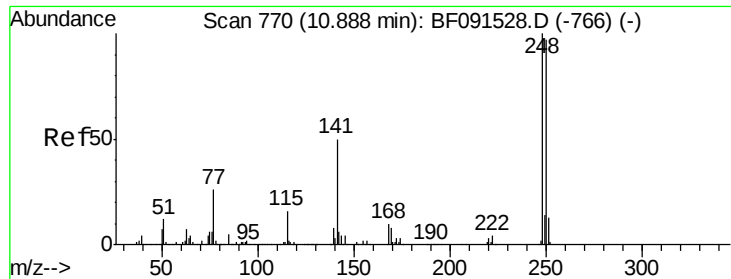


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

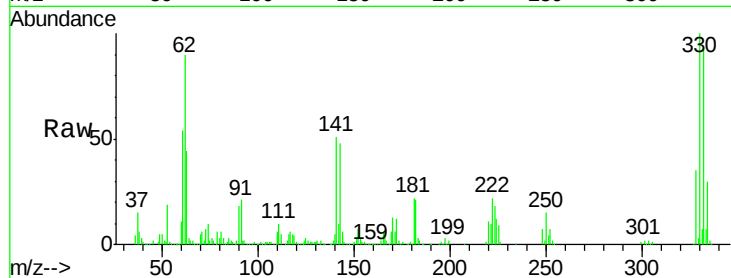




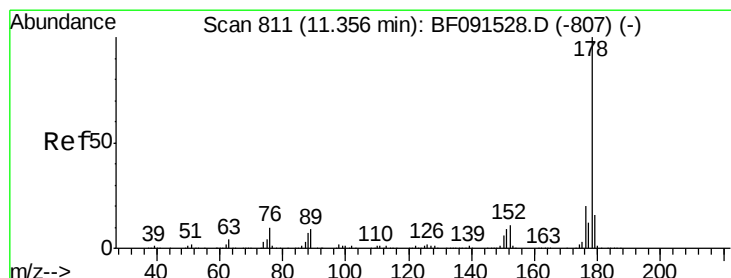
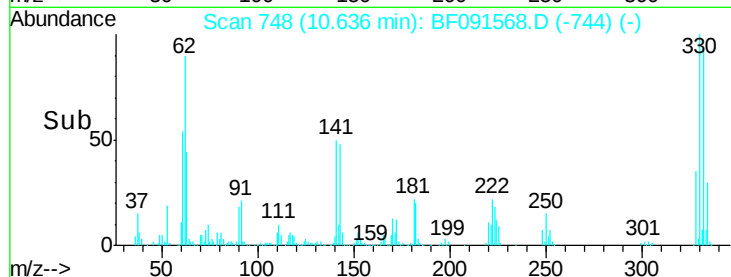
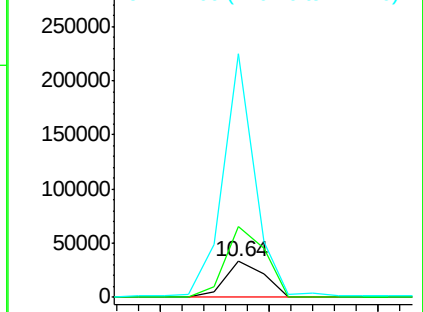
#66
4-Bromophenyl-phenylether
Concen: 4.30 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16

Tgt Ion:248 Resp: 40664
Ion Ratio Lower Upper
248 100
250 197.2 78.2 117.4#
141 682.5 71.9 107.9#

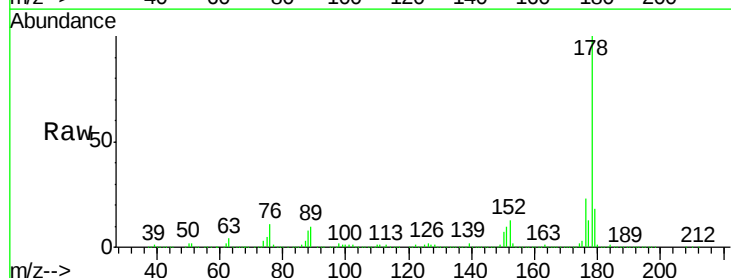


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

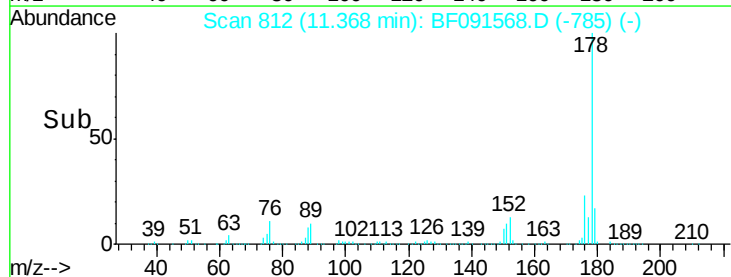
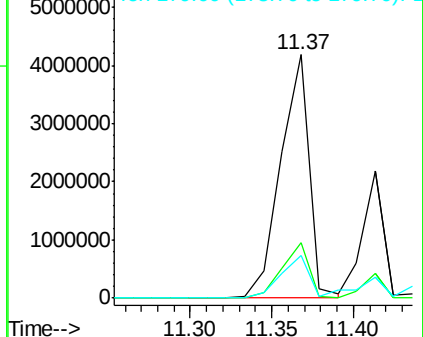


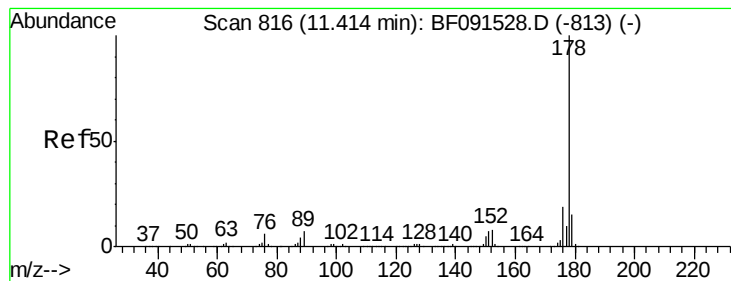
#70
Phenanthrene
Concen: 111.41 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.01 min
Lab File: BF091568.D
Acq: 13 Dec 2016 21:47

Tgt Ion:178 Resp: 5093514
Ion Ratio Lower Upper
178 100
176 22.7 15.9 23.9
179 17.7 12.6 18.8



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





#71

Anthracene

Concen: 41.38 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

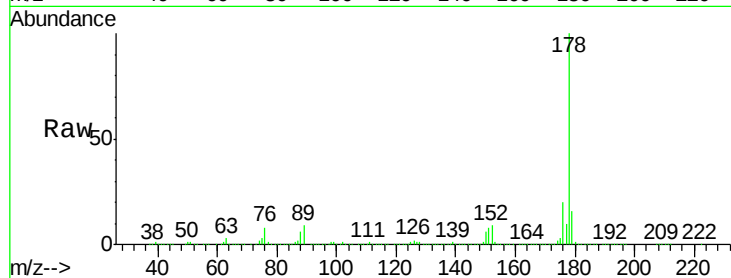
Tgt Ion:178 Resp: 2040384

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.6

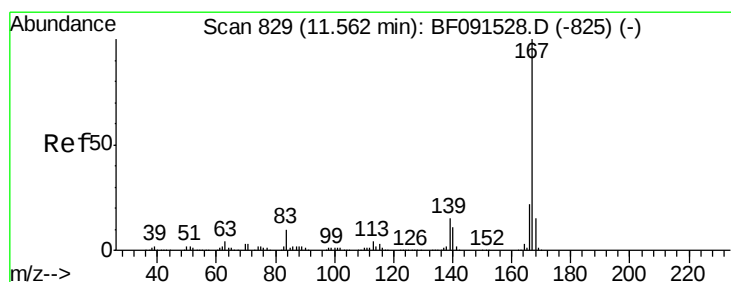
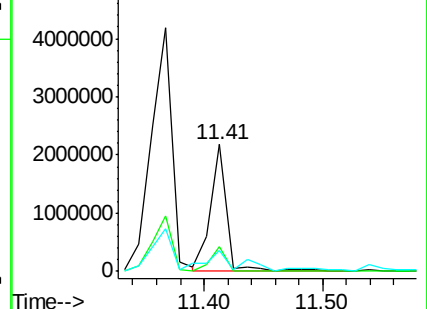
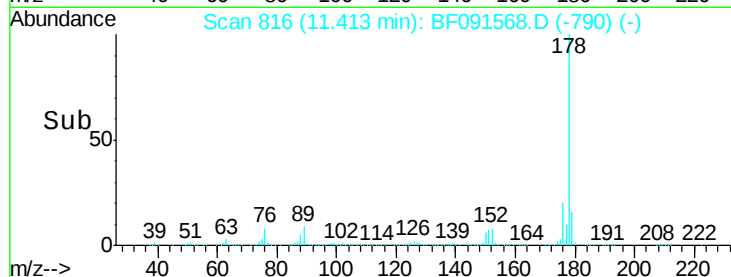
179 16.3 12.7 19.1



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



#72

Carbazole

Concen: 14.74 ng

RT: 11.56 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

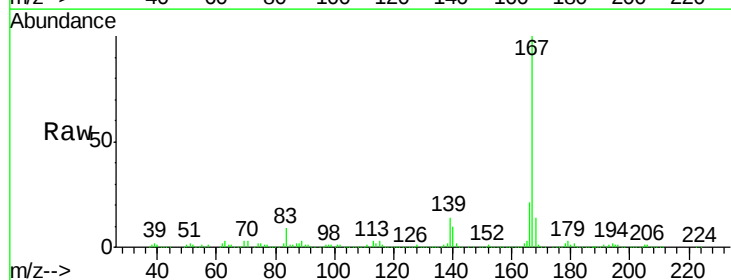
Tgt Ion:167 Resp: 636947

Ion Ratio Lower Upper

167 100

166 21.4 18.1 27.1

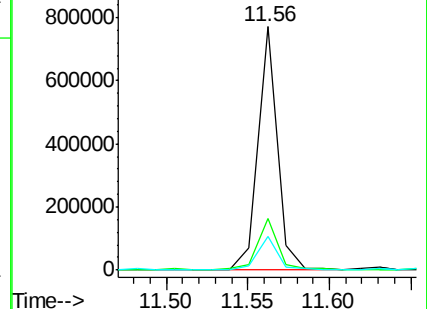
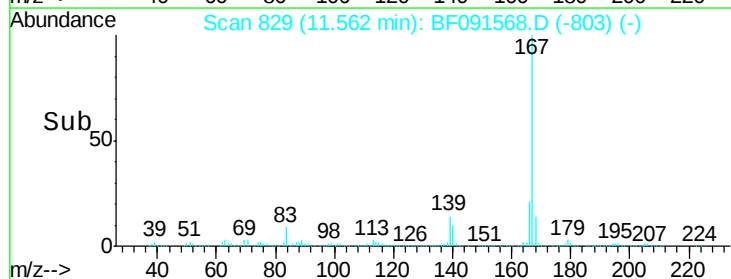
139 13.7 11.5 17.3

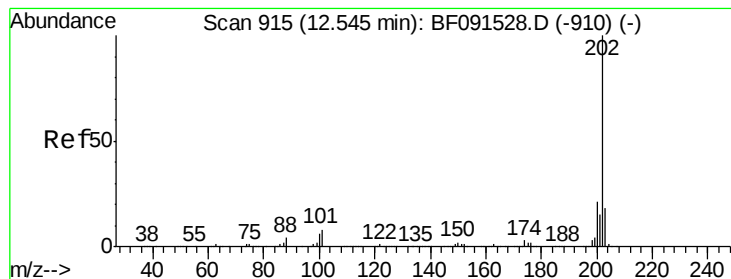


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 97.54 ng

RT: 12.56 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

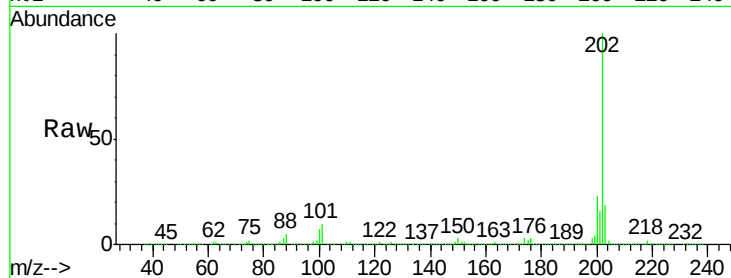
Tgt Ion:202 Resp: 4669448

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.5

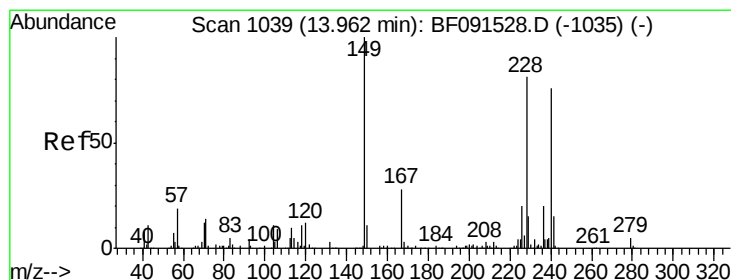
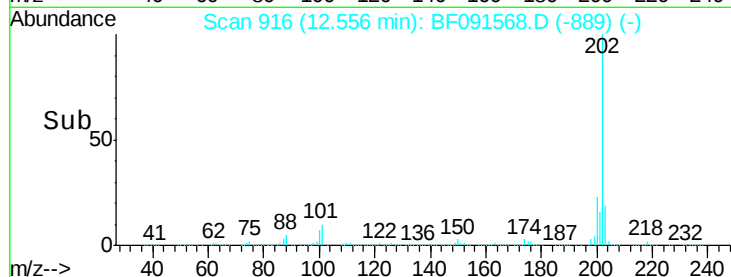
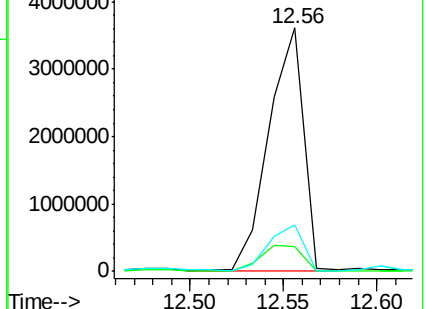
203 19.2 0.0 37.8



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: 13.97 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

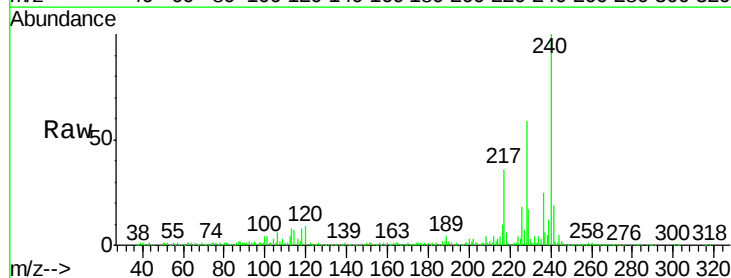
Tgt Ion:240 Resp: 582855

Ion Ratio Lower Upper

240 100

120 9.4 12.1 18.1#

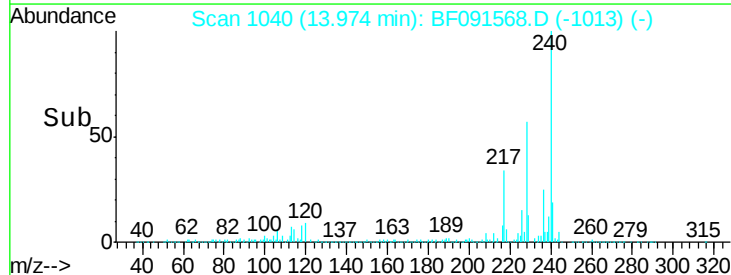
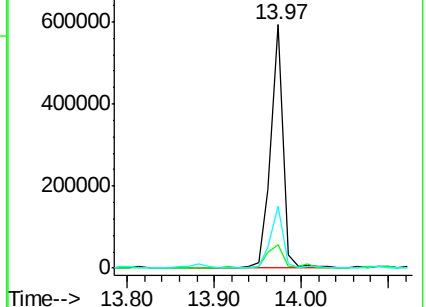
236 25.5 21.0 31.6

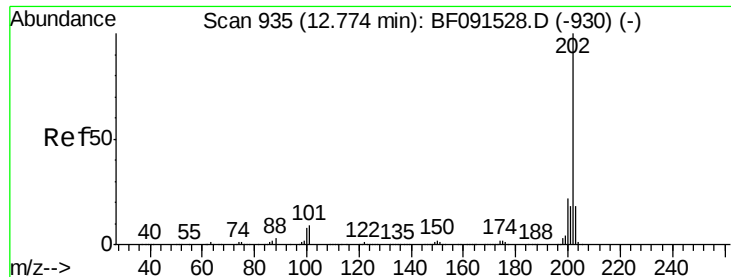


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 106.19 ng

RT: 12.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

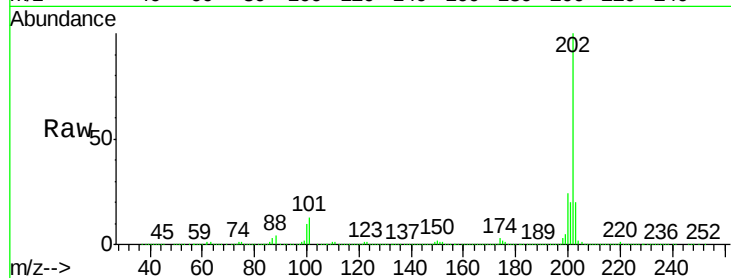
Tgt Ion:202 Resp: 4910194

Ion Ratio Lower Upper

202 100

200 23.9 17.6 26.4

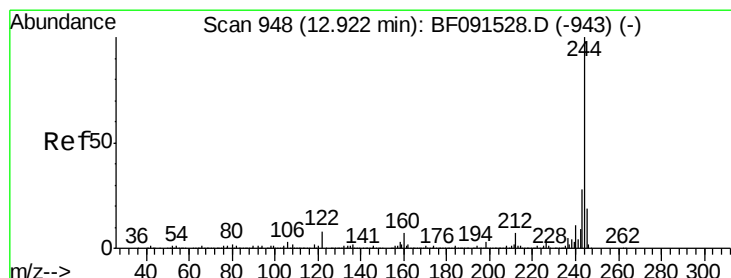
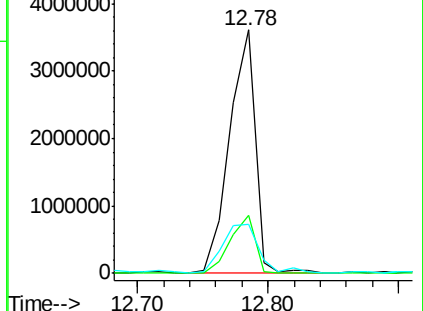
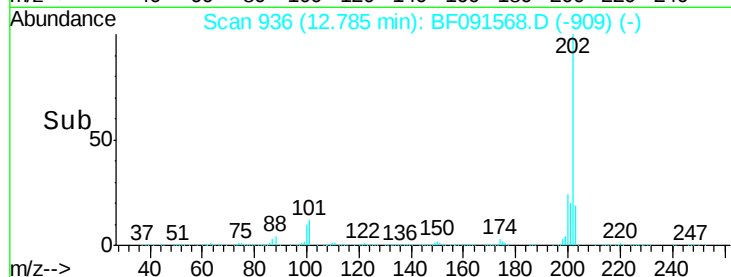
203 20.3 14.0 21.0



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: 84.32 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

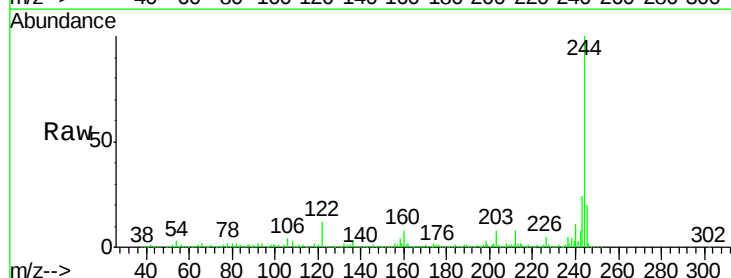
Tgt Ion:244 Resp: 2165924

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

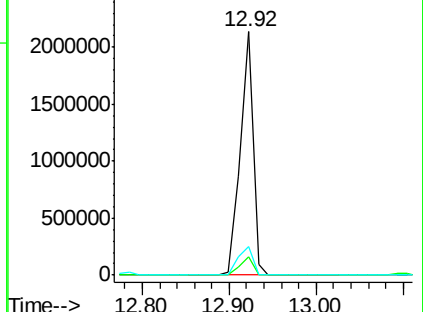
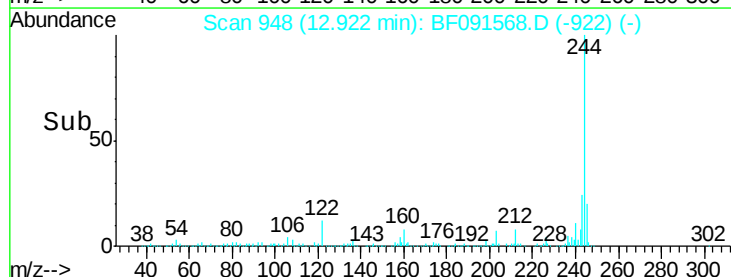
122 11.8 9.5 14.3

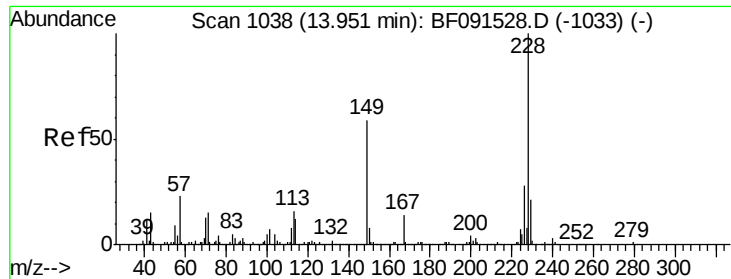


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 66.20 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

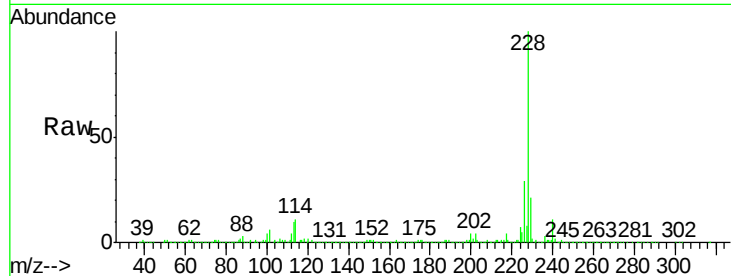
Tgt Ion:228 Resp: 2240793

Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

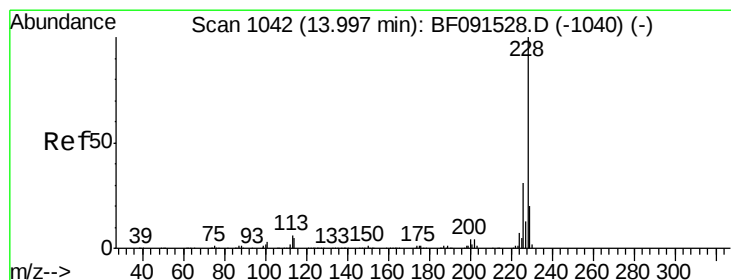
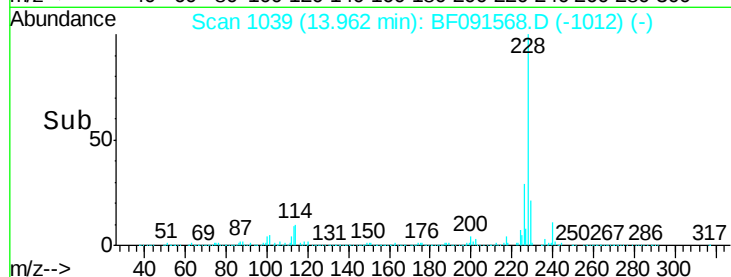
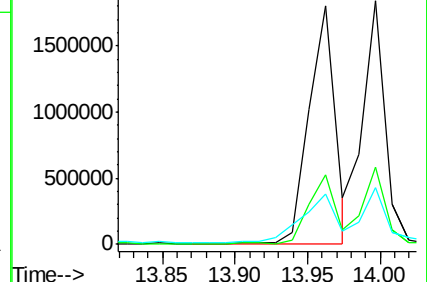
229 21.3 16.4 24.6



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: 63.27 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

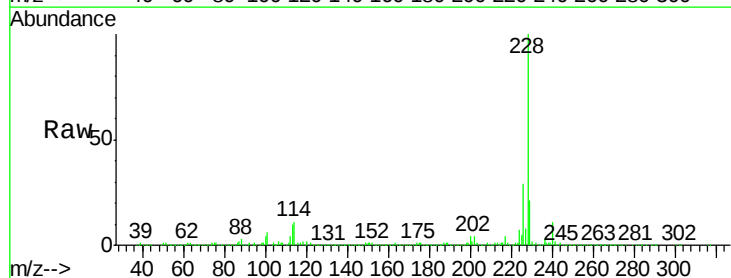
Tgt Ion:228 Resp: 2240793

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.4

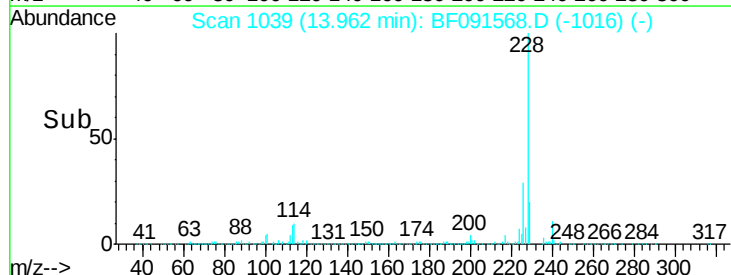
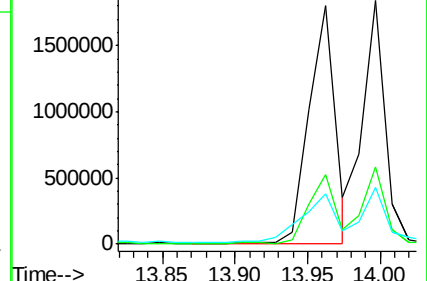
229 21.3 16.0 24.0

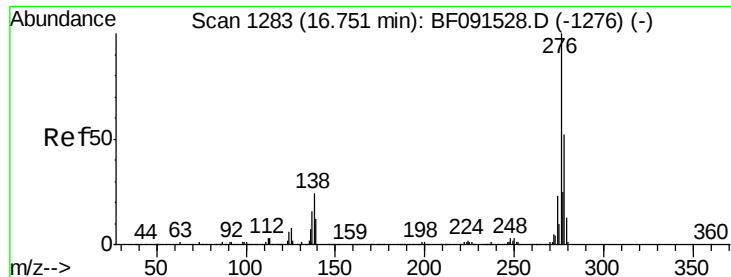


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

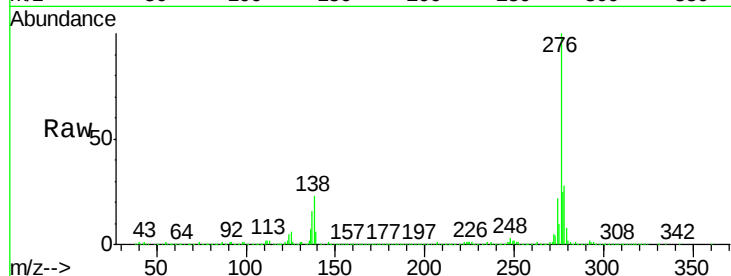




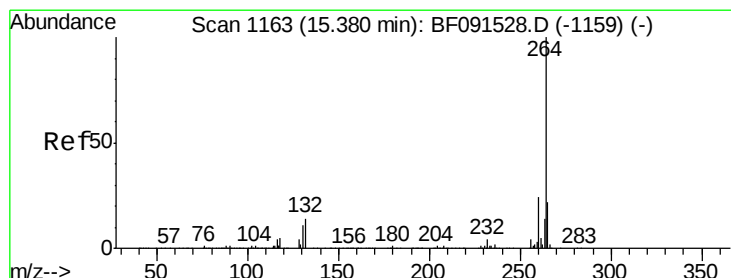
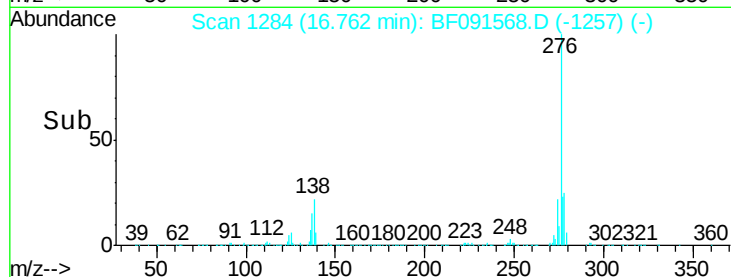
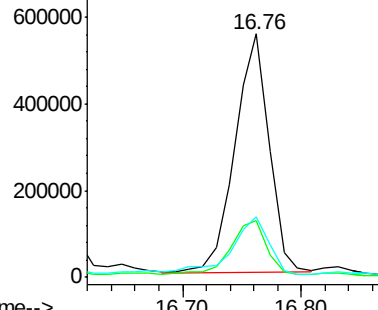
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.55 ng
 RT: 16.76 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16

Tgt Ion:276 Resp: 1101180
 Ion Ratio Lower Upper
 276 100
 138 24.9 21.0 31.4
 277 28.5 20.2 30.2

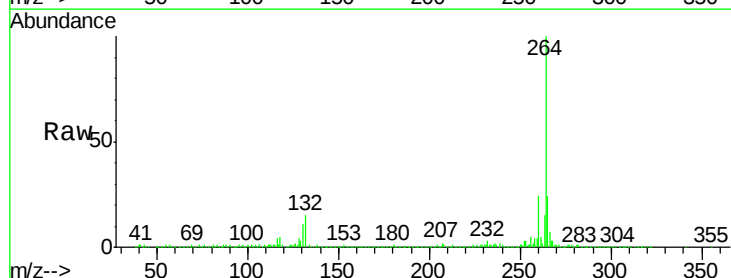


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

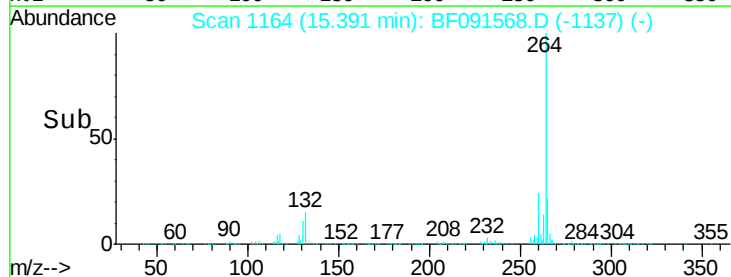
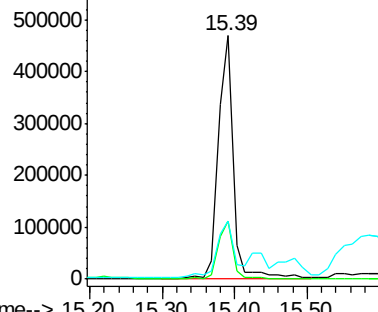


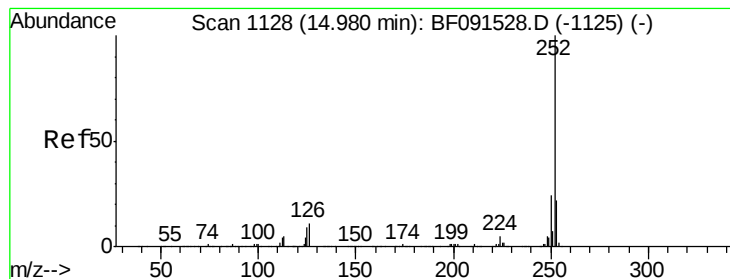
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: BF091568.D
 Acq: 13 Dec 2016 21:47

Tgt Ion:264 Resp: 669493
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 24.0 17.0 25.6



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: 75.87 ng

RT: 14.99 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

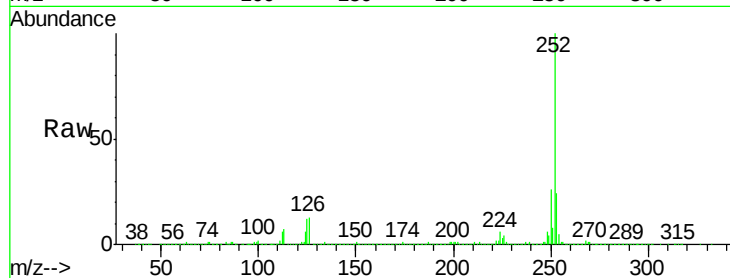
Tgt Ion:252 Resp: 3028080

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

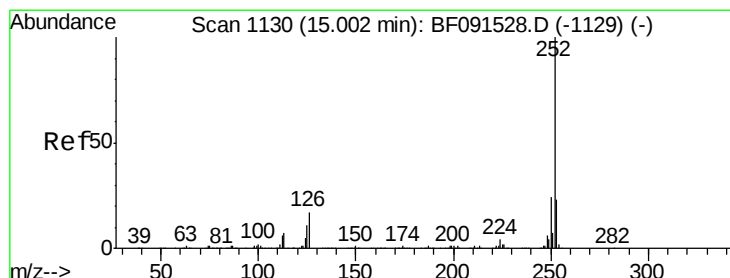
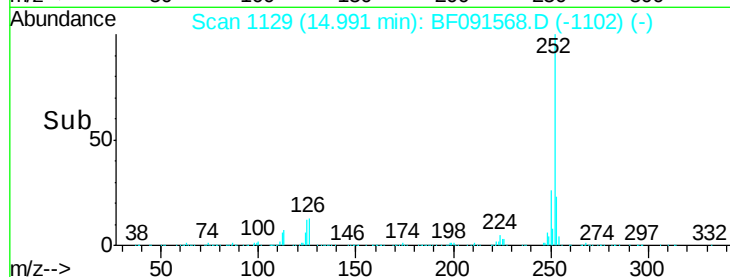
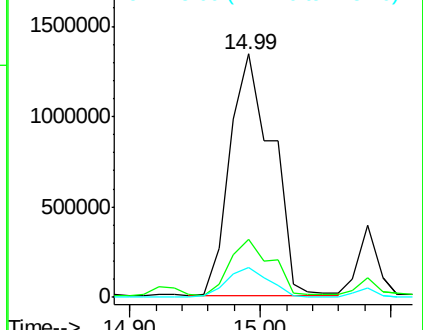
125 12.2 8.6 13.0



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: 86.29 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

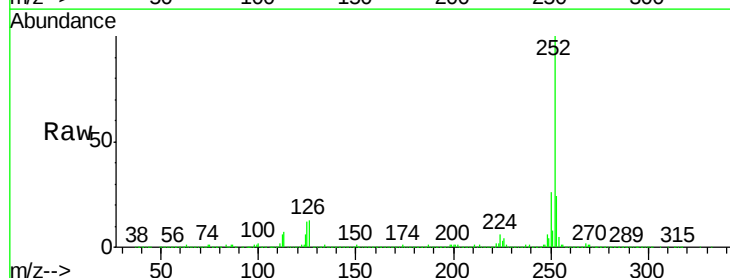
Tgt Ion:252 Resp: 3028080

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

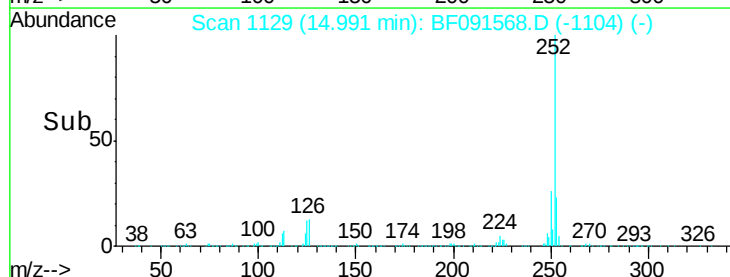
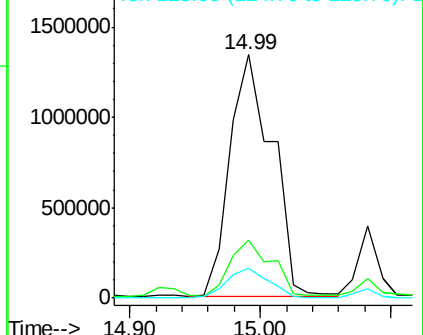
125 12.2 9.6 14.4

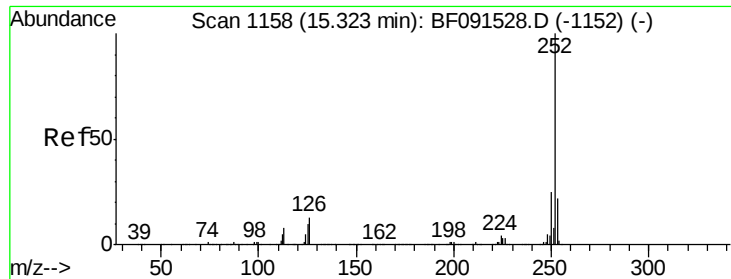


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 54.79 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16

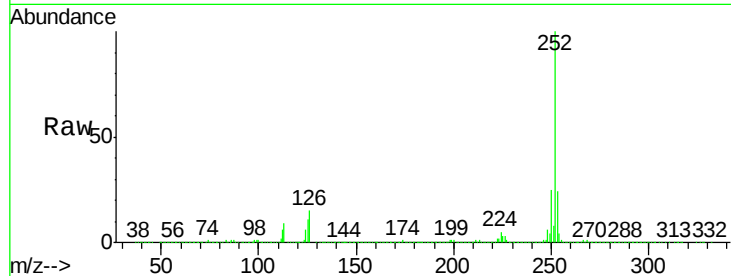
Tgt Ion:252 Resp: 1969944

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

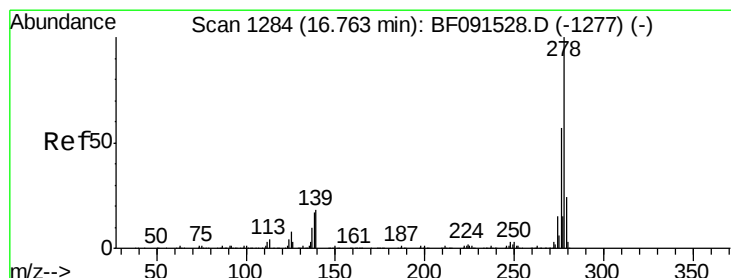
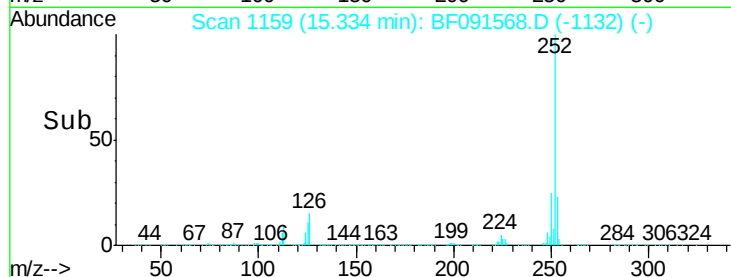
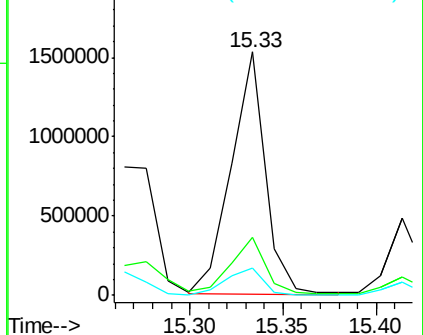
125 11.4 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 8.28 ng

RT: 16.76 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

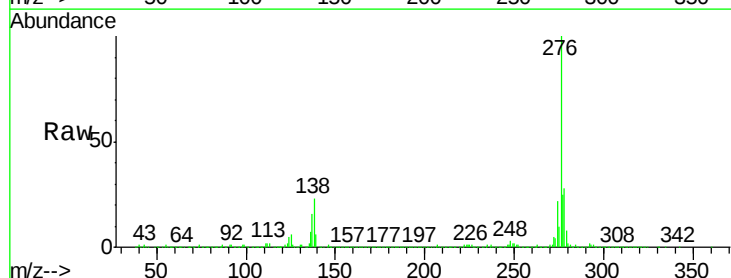
Tgt Ion:278 Resp: 266821

Ion Ratio Lower Upper

278 100

139 21.7 15.1 22.7

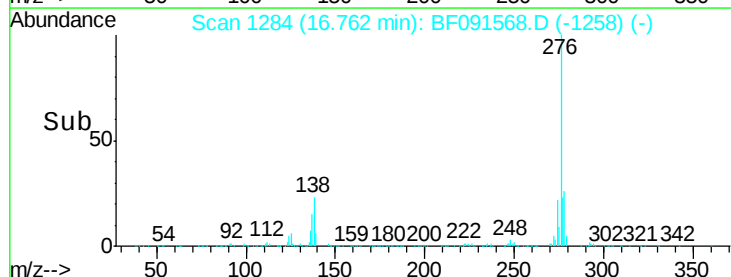
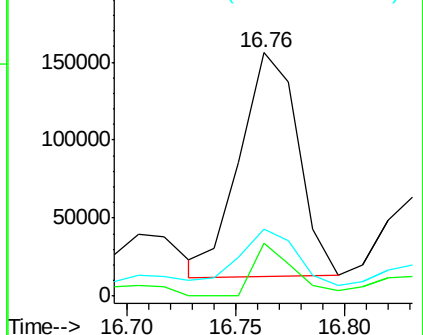
279 27.3 19.0 28.6

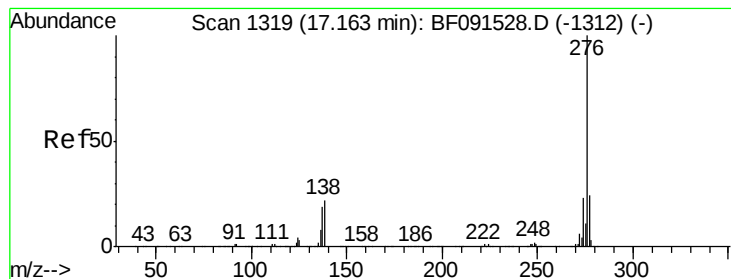


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.44 ng

RT: 17.39 min Scan# 1339

Delta R.T. 0.23 min

Lab File: BF091568.D

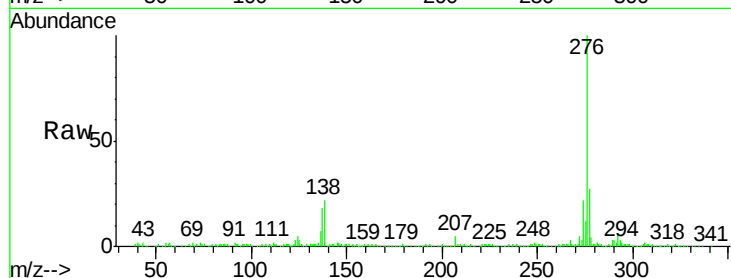
Acq: 13 Dec 2016 21:47

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16



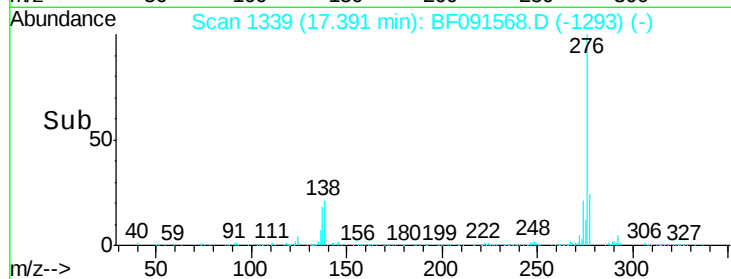
Tgt Ion: 276 Resp: 309523

Ion Ratio Lower Upper

276 100

277 27.4 19.0 28.4

138 22.2 15.4 23.0



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

