

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097940.D
 Acq On : 22 Aug 2017 8:01
 Operator : SJ/JU
 Sample : I4872-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Quant Time: Aug 22 08:26:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	108139	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	382537	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	142577	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	258417	20.00	ng	0.00
75) Chrysene-d12	13.91	240	203148	20.00	ng	0.01
86) Perylene-d12	15.33	264	150322	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	703638	98.97	ng	0.00
7) Phenol-d6	6.39	99	923297	95.58	ng	0.00
23) Nitrobenzene-d5	7.31	82	525779	74.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	116844	94.45	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	596870	61.51	ng	0.00
78) Terphenyl-d14	12.85	244	466692	47.91	ng	0.00

Target Compounds

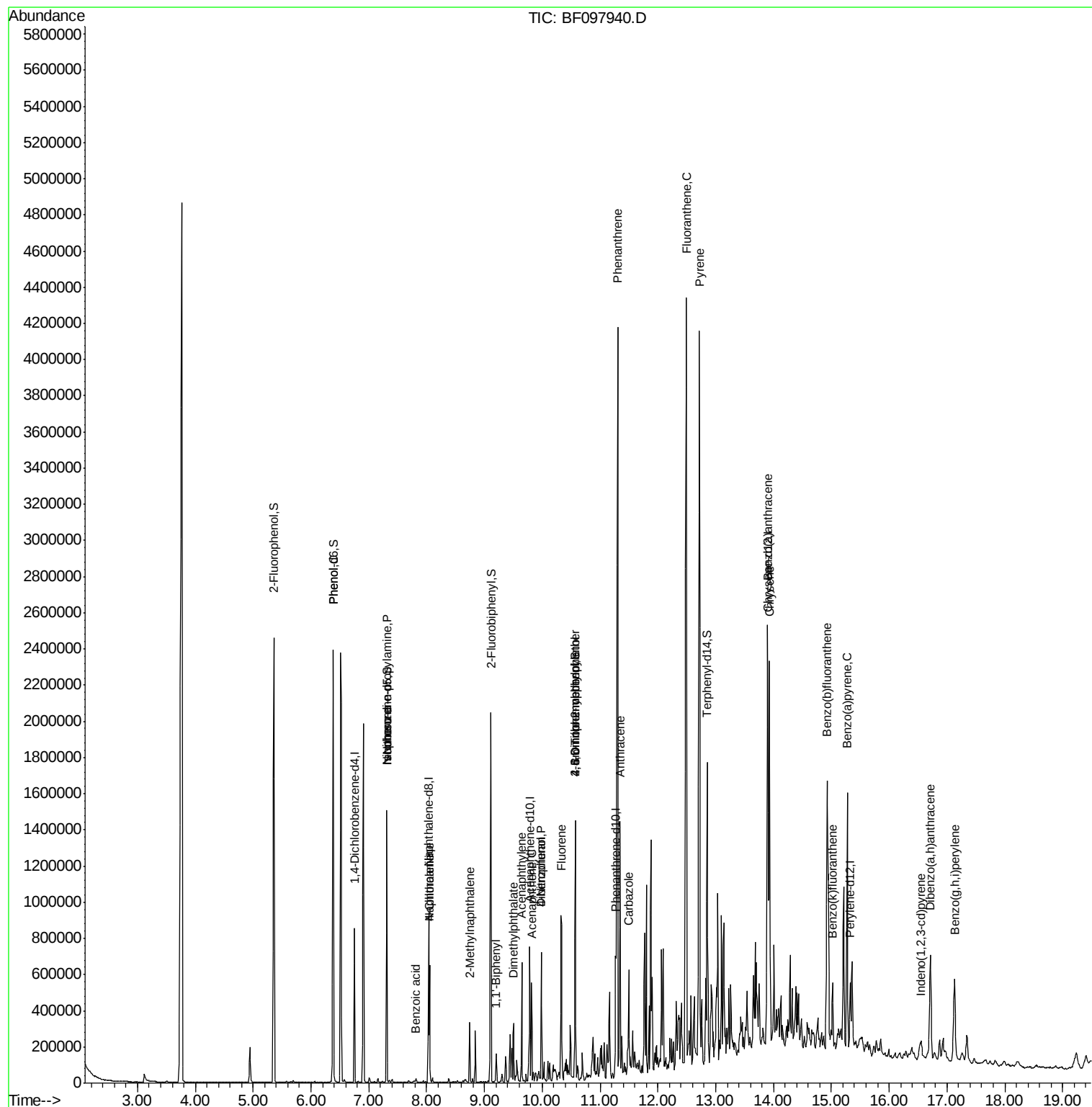
						Qvalue
10) Phenol	6.39	94	33094	2.93	ng	92
19) n-Nitroso-di-n-propylamine	7.31	70	70616	10.68	ng	# 72
25) Isophorone	7.31	82	517432	35.34	ng	# 67
31) Naphthalene	8.05	128	244048	12.29	ng	99
32) Benzoic acid	7.82	122	3471	7.08	ng	# 16
33) 4-Chloroaniline	8.05	127	32279	3.85	ng	# 30
37) 2-Methylnaphthalene	8.75	142	84910	6.97	ng	99
45) 1,1'-Biphenyl	9.20	154	41640	3.20	ng	96
48) Acenaphthylene	9.65	152	225188	14.93	ng	99
49) Dimethylphthalate	9.50	163	104237	10.00	ng	98
51) Acenaphthene	9.82	154	92665	9.74	ng	98
54) Dibenzofuran	9.99	168	201260	15.78	ng	98
55) 4-Nitrophenol	9.99	139	77302	36.10	ng	# 28
57) Fluorene	10.33	166	245106	24.86	ng	98
64) 4,6-Dinitro-2-methylphenol	10.57	198	153	8.42	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	7688	2.86	ng	# 1
70) Phenanthrene	11.30	178	1913333	138.95	ng	99
71) Anthracene	11.35	178	449773	32.20	ng	99
72) Carbazole	11.50	167	216024	16.29	ng	98
74) Fluoranthene	12.49	202	2433829	169.33	ng	99
77) Pyrene	12.72	202	2269026	136.56	ng	99
80) Benzo(a)anthracene	13.90	228	990994	81.39	ng	94
82) Chrysene	13.93	228	860156	71.02	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	65255	7.32	ng	93
87) Benzo(b)fluoranthene	14.93	252	1188426	125.42	ng	100
88) Benzo(k)fluoranthene	15.02	252	146840	16.50	ng	92
89) Benzo(a)pyrene	15.27	252	661016	78.80	ng	97
90) Dibenzo(a,h)anthracene	16.72	278	87168	12.76	ng	95
91) Benzo(g,h,i)perylene	17.13	276	369194	51.81	ng	94

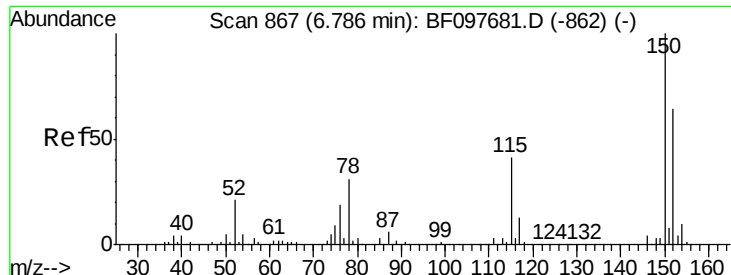
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

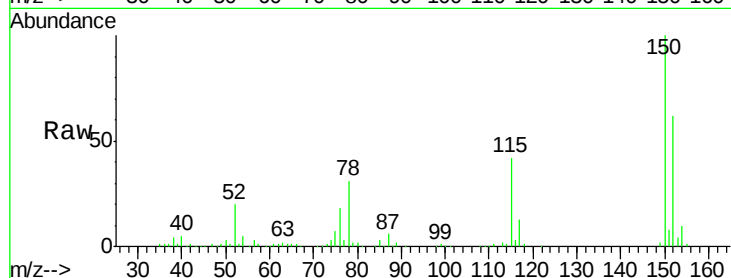
Tot Ion:152 Resp: 108139

Ion Ratio Lower Upper

152 100

150 160.8 126.2 189.2

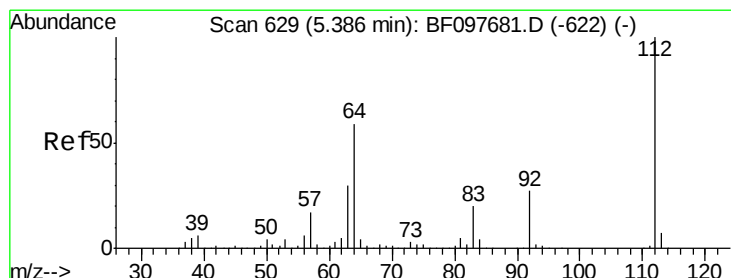
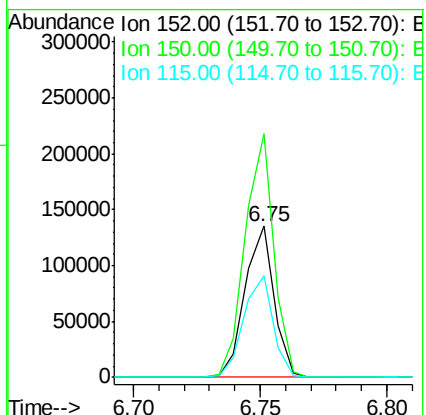
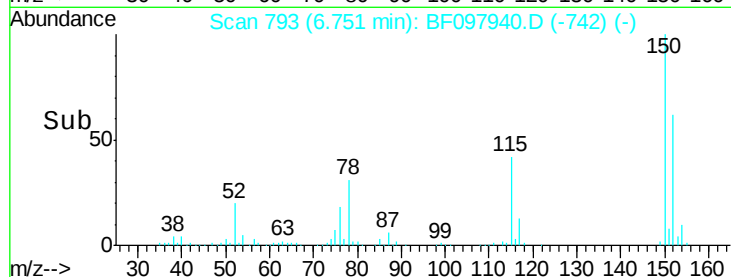
115 67.1 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 98.97 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

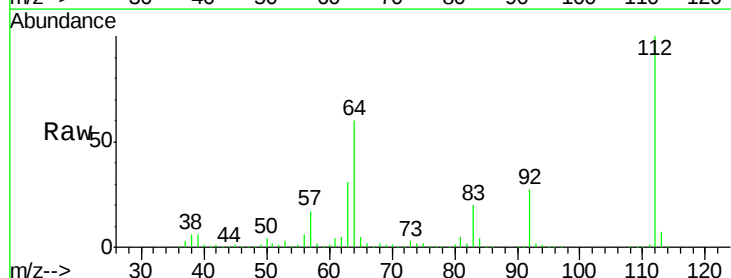
Tgt Ion:112 Resp: 703638

Ion Ratio Lower Upper

112 100

64 60.0 46.0 69.0

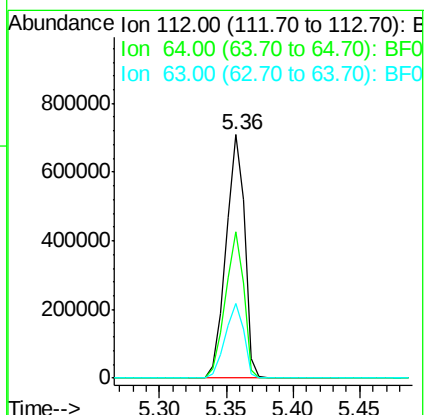
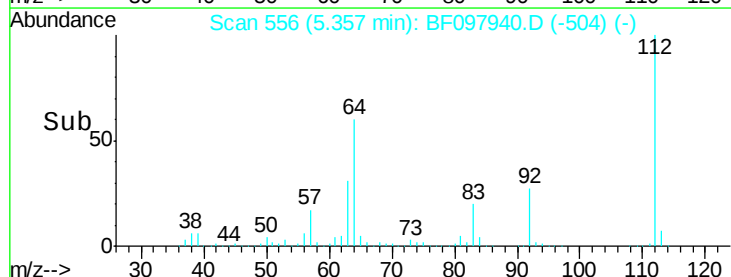
63 30.5 23.4 35.0

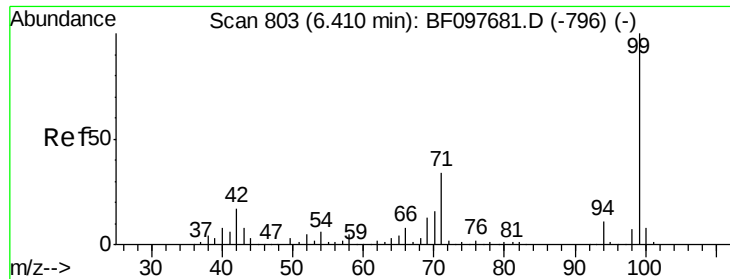


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.58 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

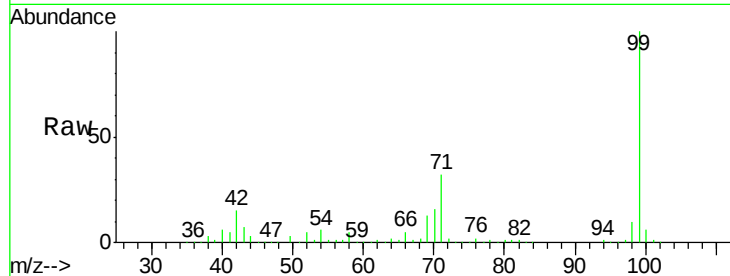
Tot Ion: 99 Resp: 923297

Ion Ratio Lower Upper

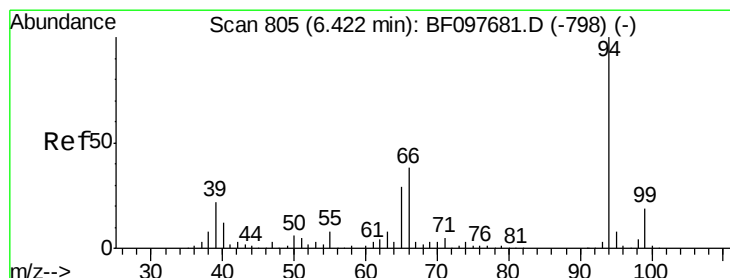
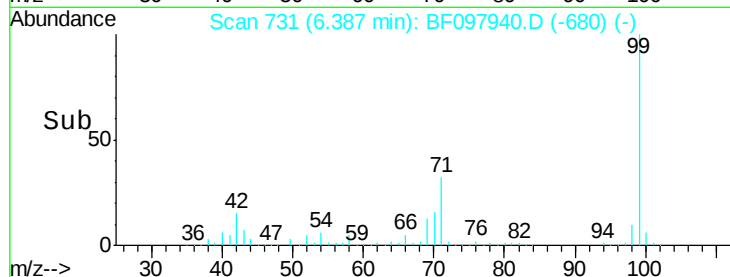
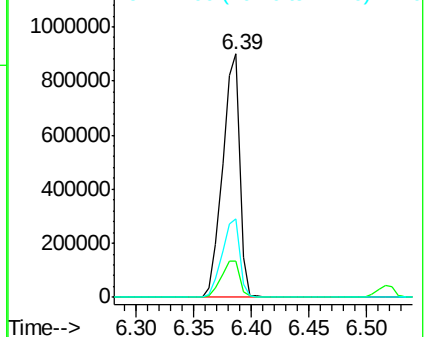
99 100

42 15.1 13.5 20.3

71 32.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.93 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

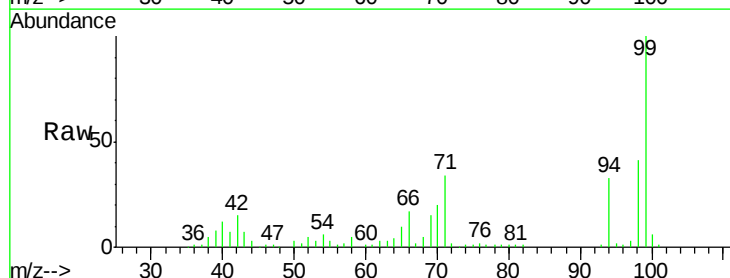
Tgt Ion: 94 Resp: 33094

Ion Ratio Lower Upper

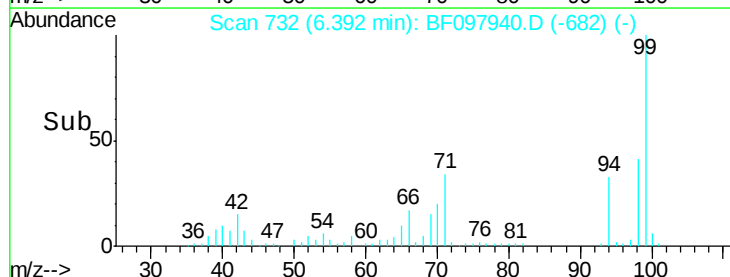
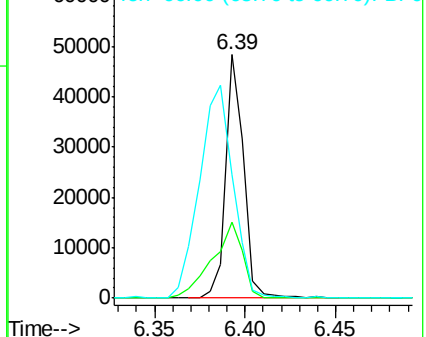
94 100

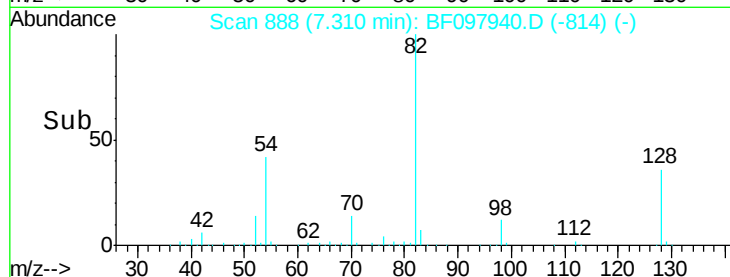
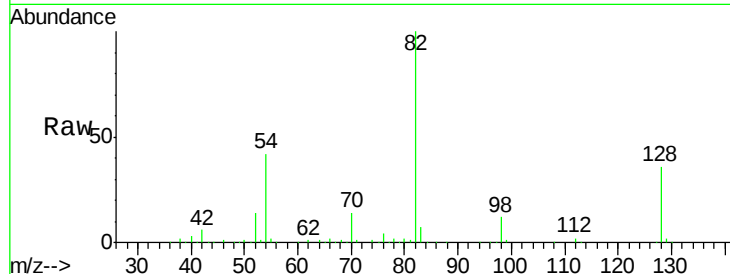
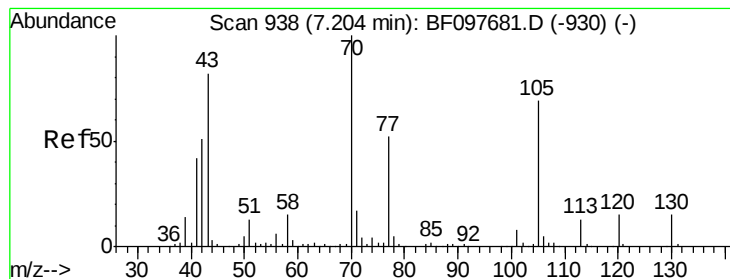
65 31.1 9.9 49.9

66 50.6 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 10.68 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion: 70 Resp: 70616

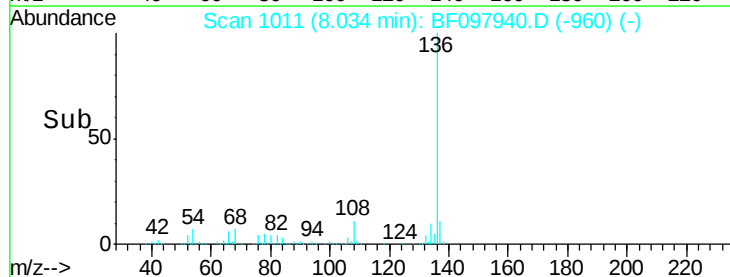
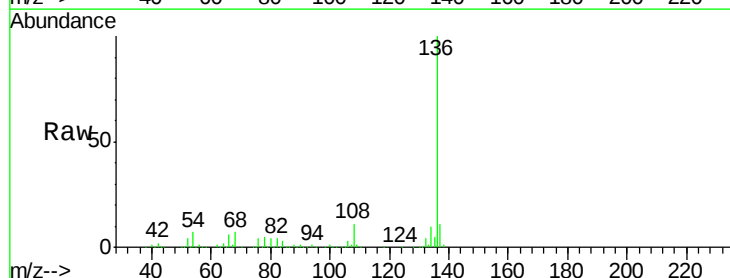
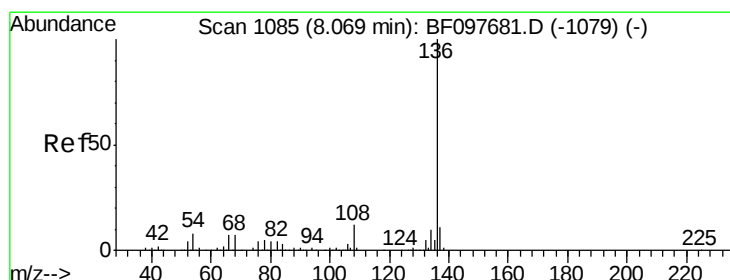
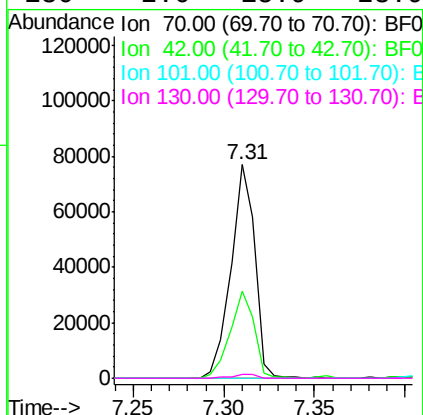
Ion Ratio Lower Upper

70 100

42 40.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Tgt Ion: 136 Resp: 382537

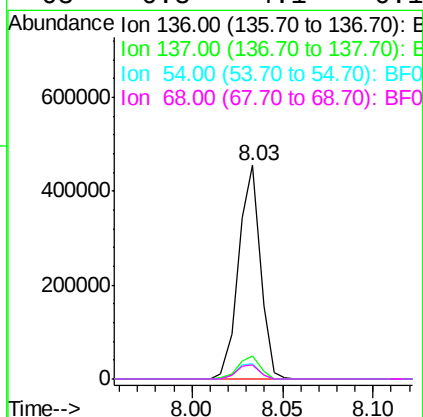
Ion Ratio Lower Upper

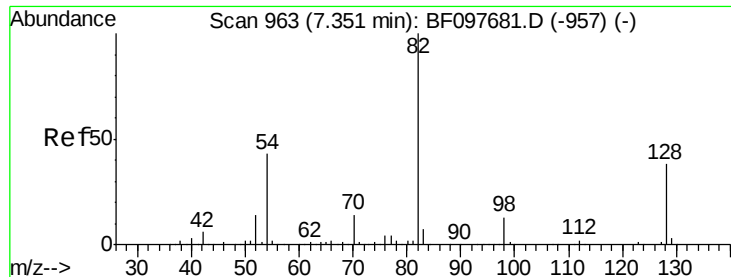
136 100

137 11.1 8.5 12.7

54 7.0 4.9 7.3

68 6.8 4.1 6.1#

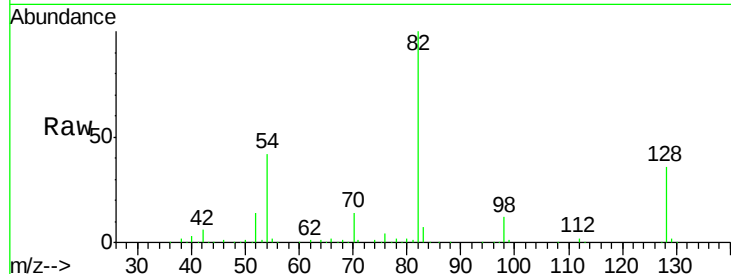




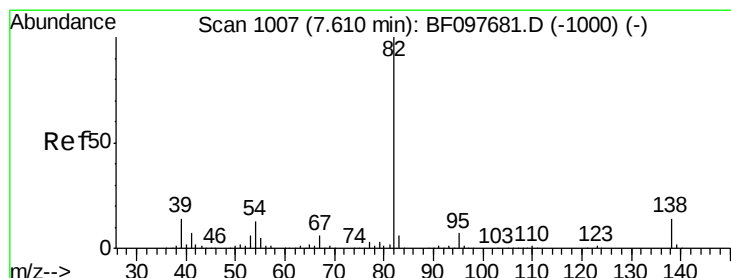
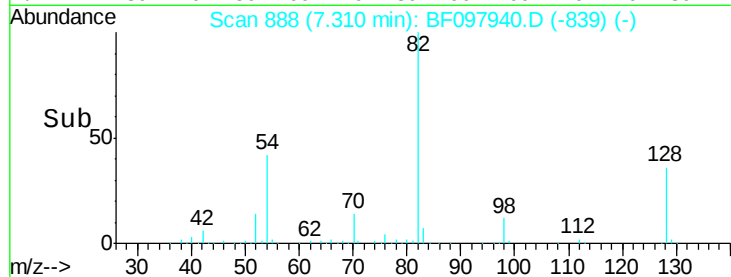
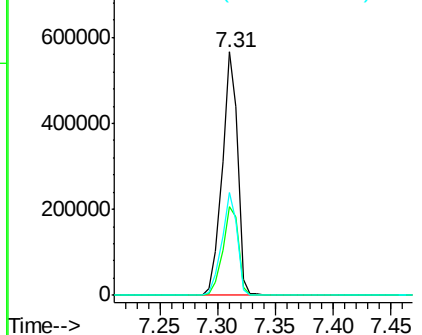
#23
 Nitrobenzene-d5
 Concen: 74.67 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	82	Resp	525779
Ion Ratio	Lower	Upper	
82	100		
128	36.4	34.0	51.0
54	42.1	42.2	63.2#

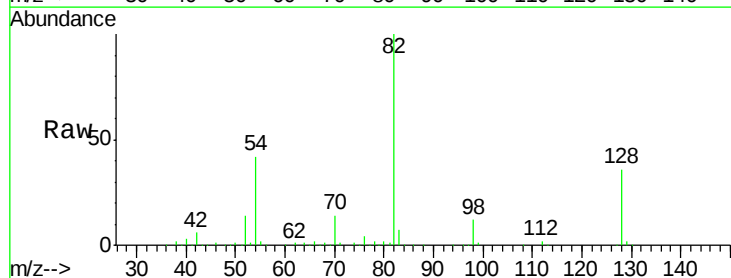


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

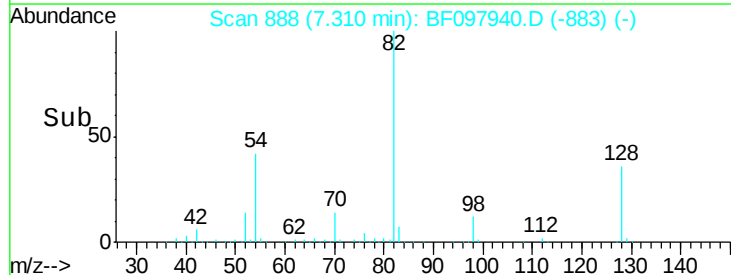
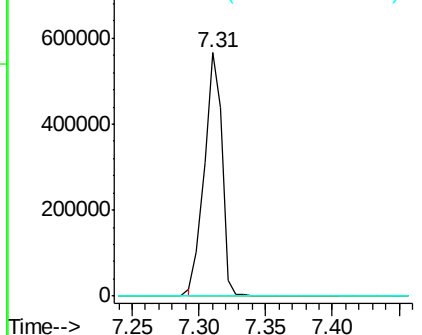


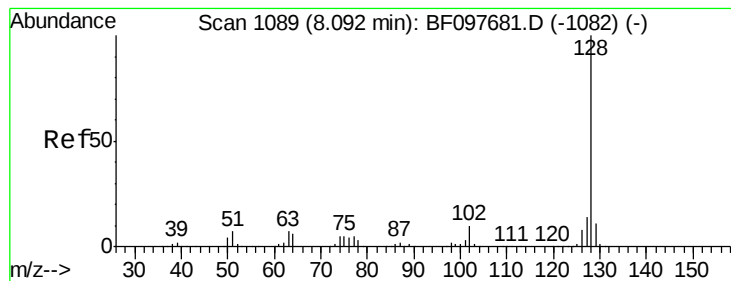
#25
 Isophorone
 Concen: 35.34 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.27 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Tgt Ion	82	Resp	517432
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



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: 12.29 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

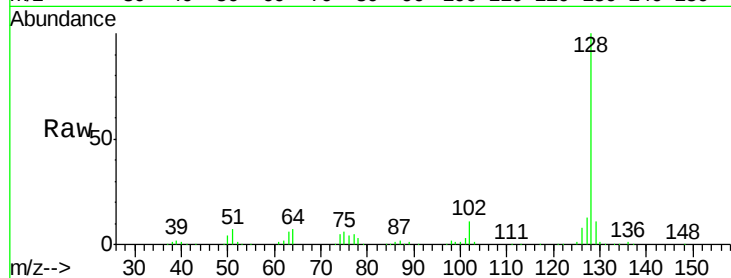
Tot Ion:128 Resp: 244048

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

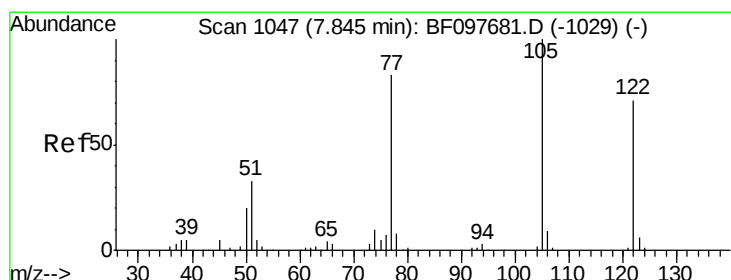
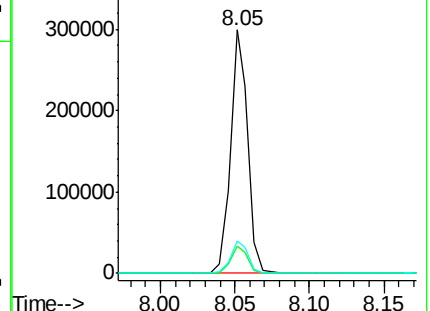
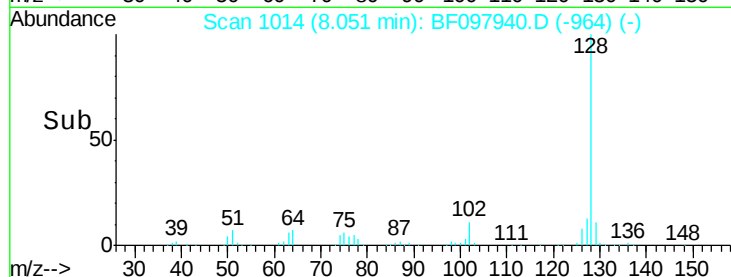
127 13.1 10.8 16.2



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



#32

Benzoic acid

Concen: 7.08 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

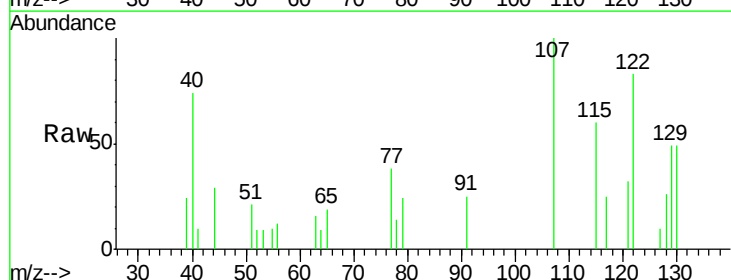
Tgt Ion:122 Resp: 3471

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

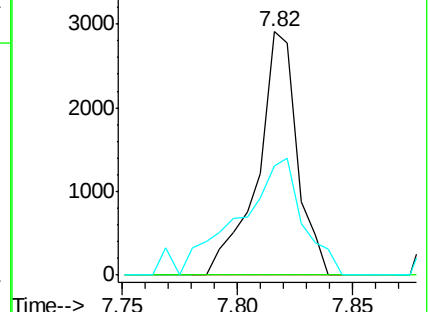
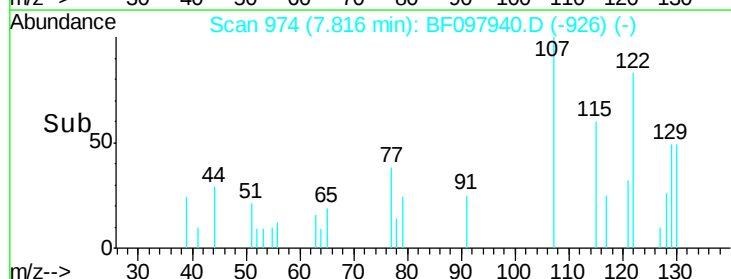
77 45.1 73.7 113.7#

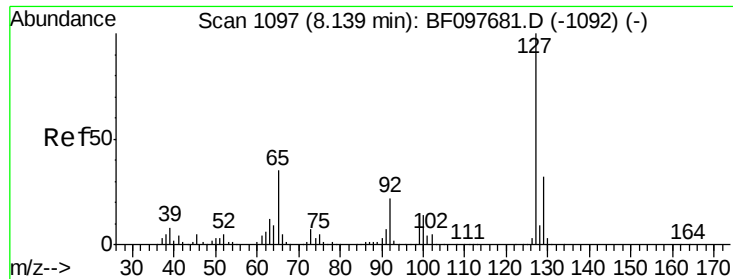


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

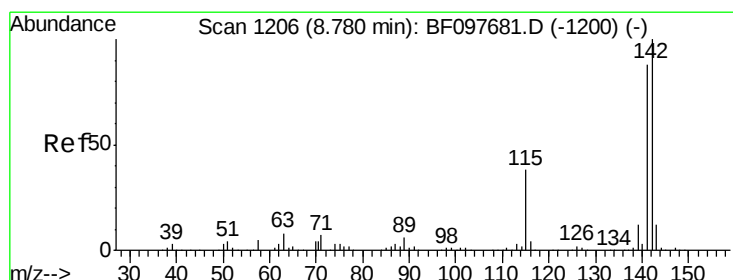
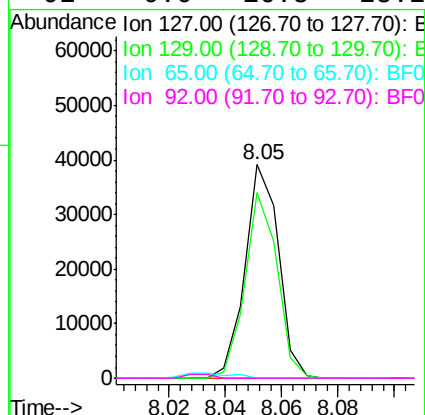
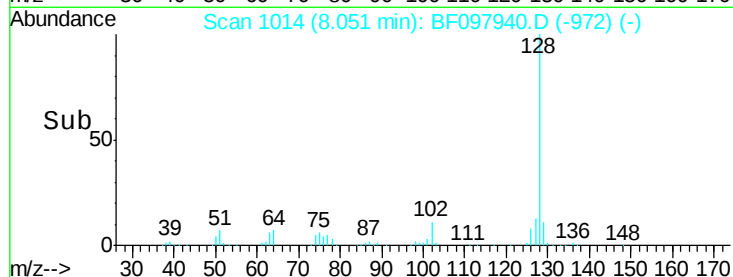
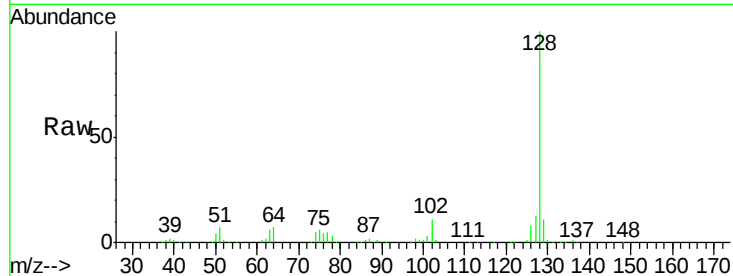




#33
4-Chloroaniline
Concen: 3.85 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.05 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

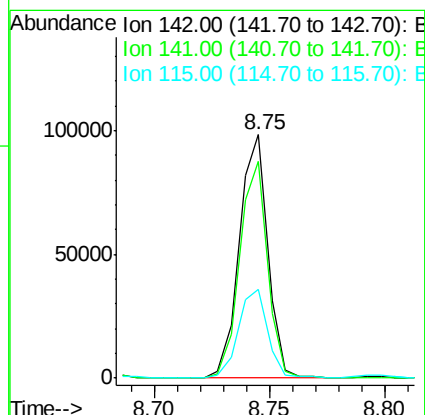
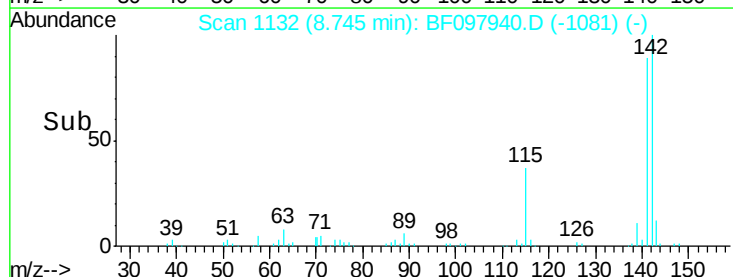
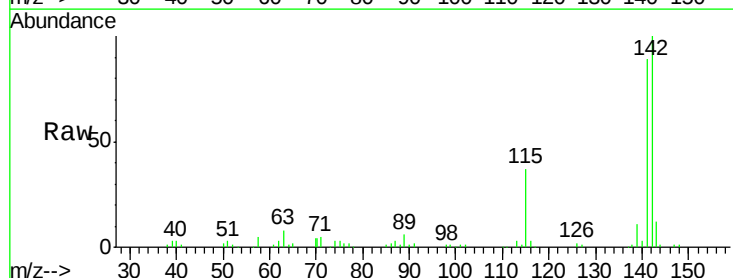
Instrument :
BNA_F
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SB-12-COMP

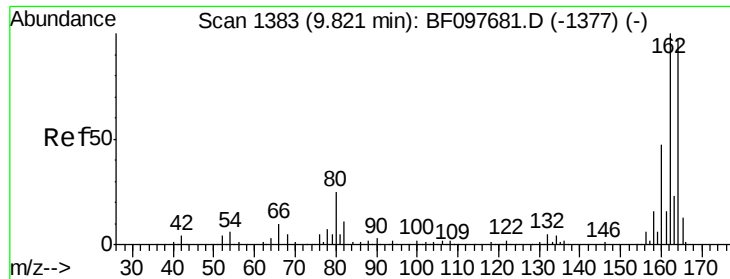
Tot Ion:	127	Resp:	32279
Ion	Ratio	Lower	Upper
127	100		
129	86.9	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 6.97 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

Tgt Ion:	142	Resp:	84910
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	36.7	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

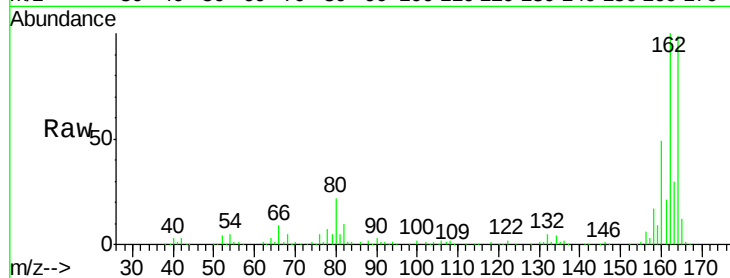
Tot Ion:164 Resp: 142577

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

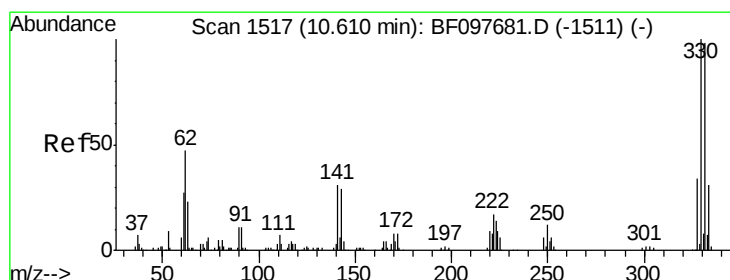
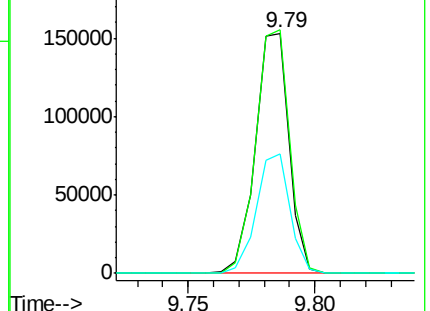
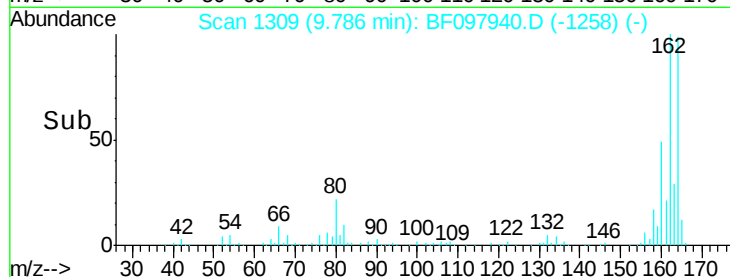
160 49.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 94.45 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

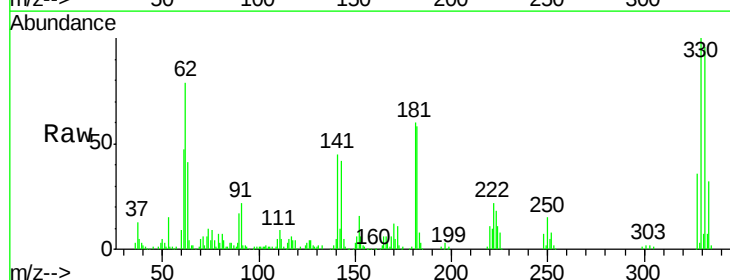
Tgt Ion:330 Resp: 116844

Ion Ratio Lower Upper

330 100

332 94.7 76.6 115.0

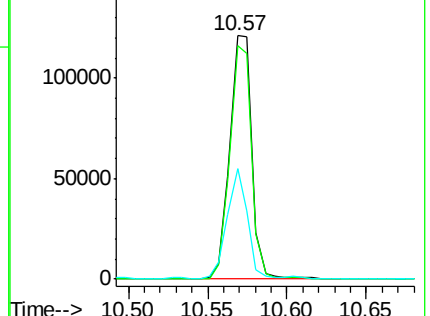
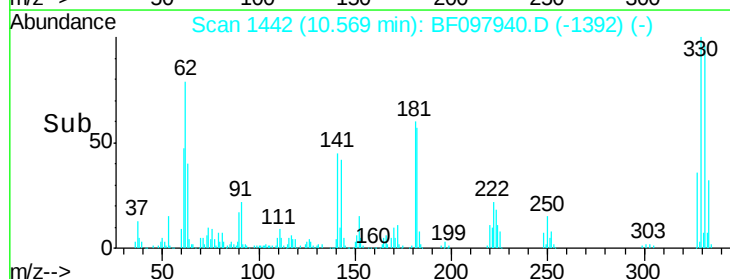
141 40.6 31.4 47.2

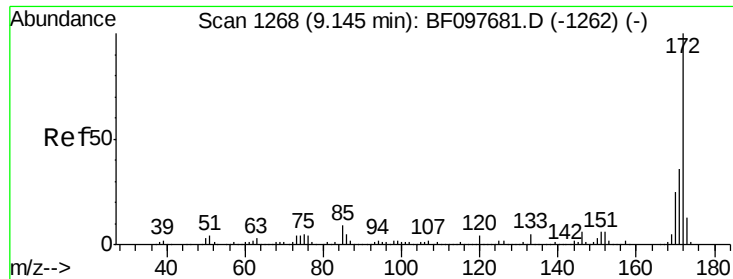


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

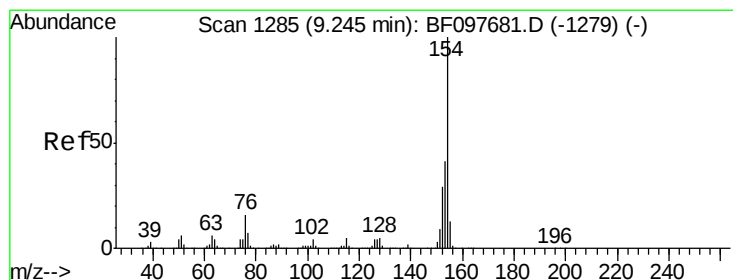
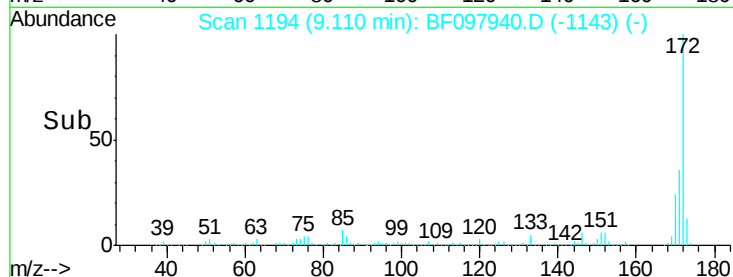
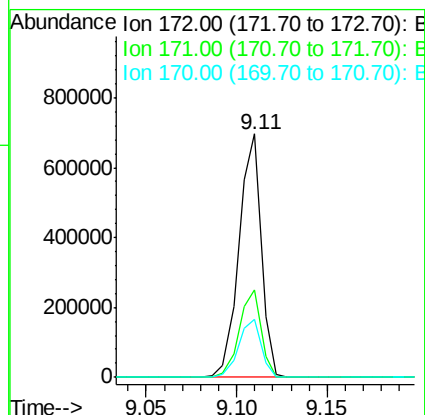
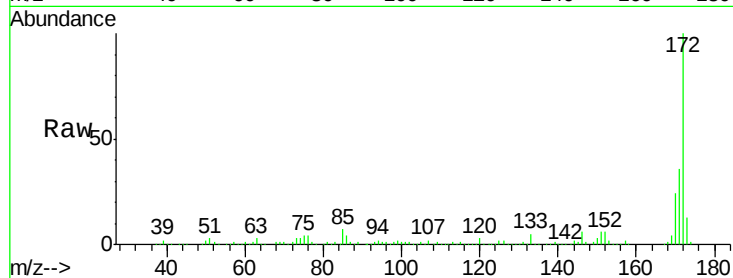




#44
 2-Fluorobiphenyl
 Concen: 61.51 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

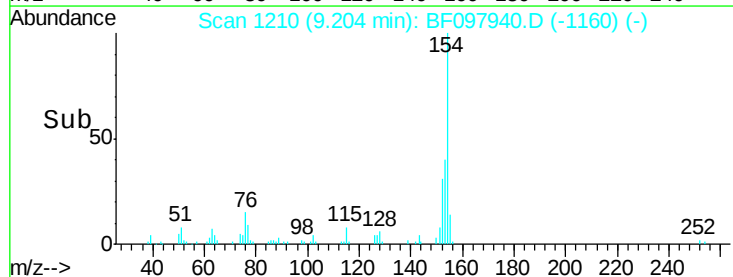
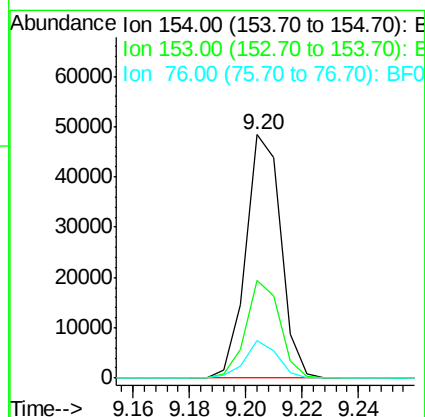
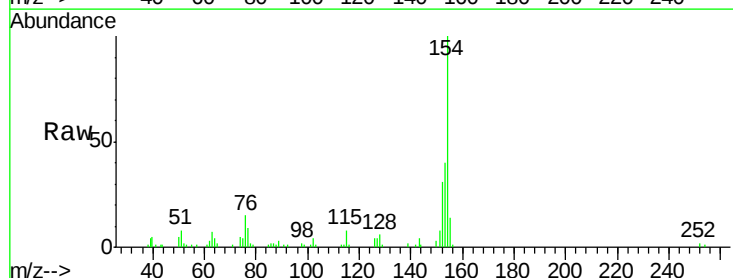
Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

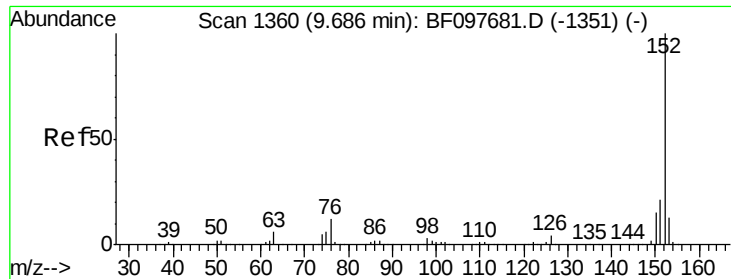
Tot Ion:172 Resp: 596870
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.6 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 3.20 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Tgt Ion:154 Resp: 41640
 Ion Ratio Lower Upper
 154 100
 153 40.3 21.2 61.2
 76 15.4 0.0 29.9

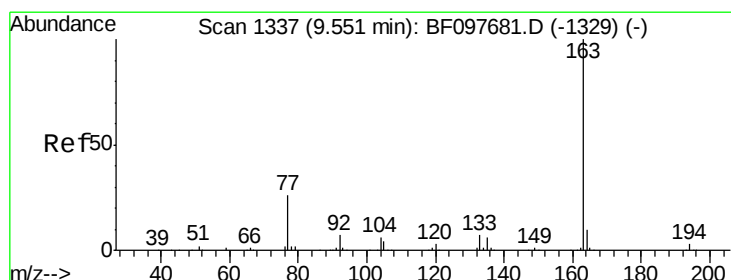
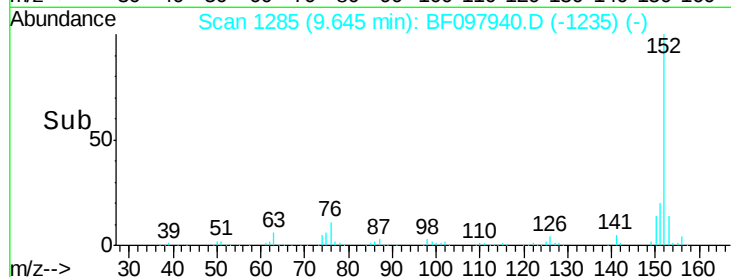
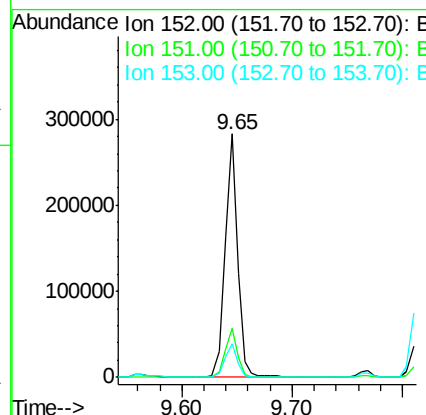
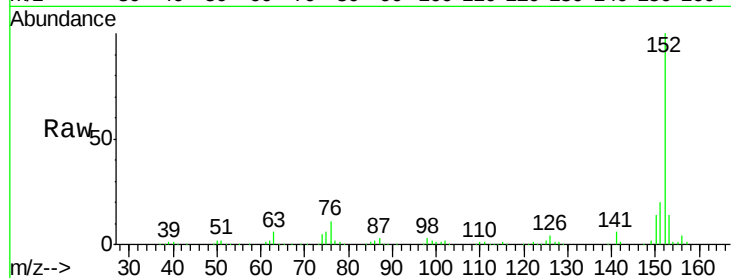




#48
Acenaphthylene
Concen: 14.93 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

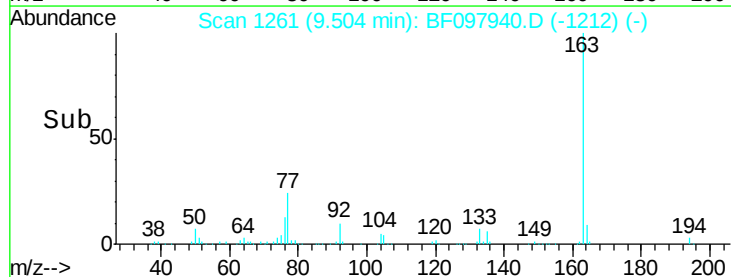
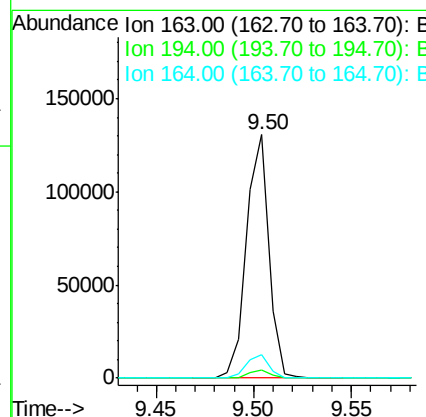
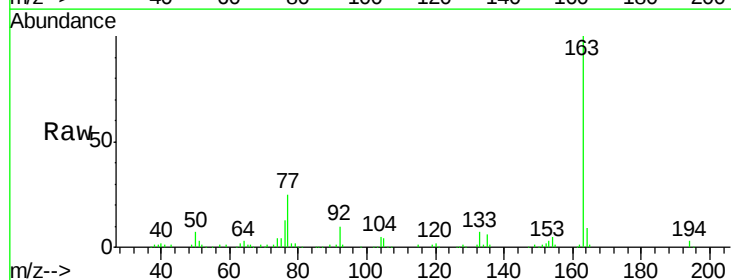
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

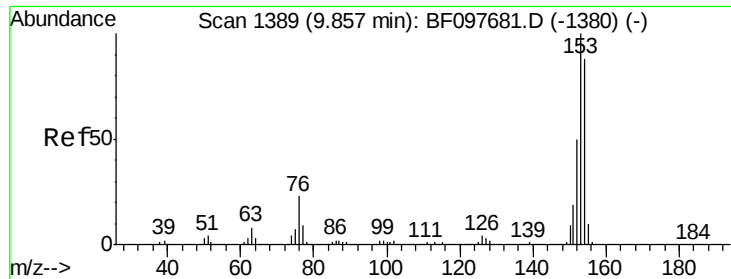
Tot Ion:152 Resp: 225188
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2
153 13.7 10.8 16.2



#49
Dimethylphthalate
Concen: 10.00 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

Tgt Ion:163 Resp: 104237
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.4 8.4 12.6





#51

Acenaphthene

Concen: 9.74 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

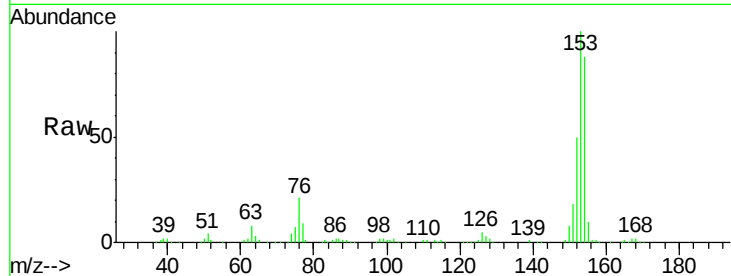
Tot Ion:154 Resp: 92665

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

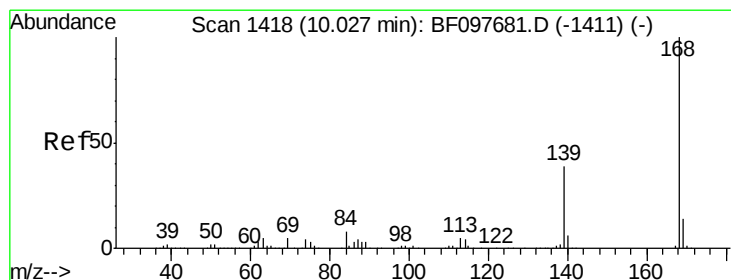
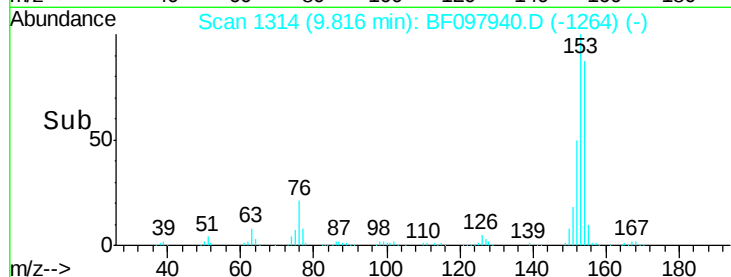
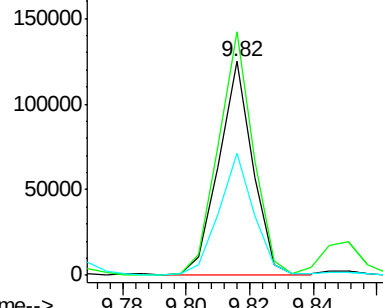
152 56.8 43.6 65.4



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: 15.78 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

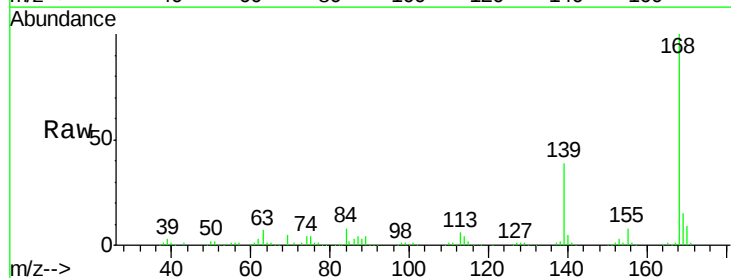
Tgt Ion:168 Resp: 201260

Ion Ratio Lower Upper

168 100

139 38.7 30.6 45.8

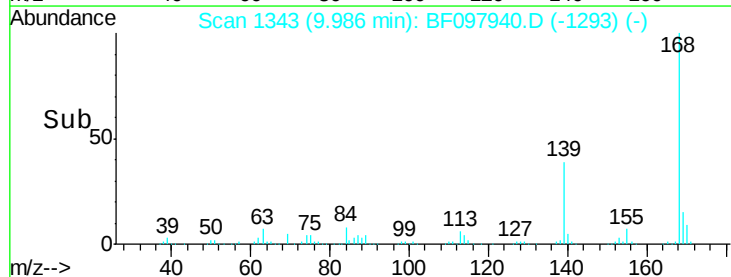
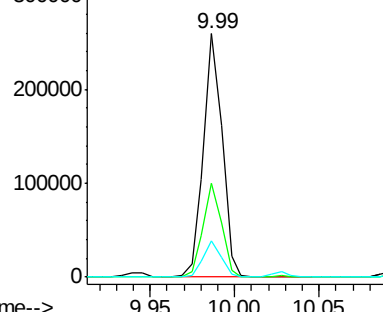
169 14.8 10.8 16.2

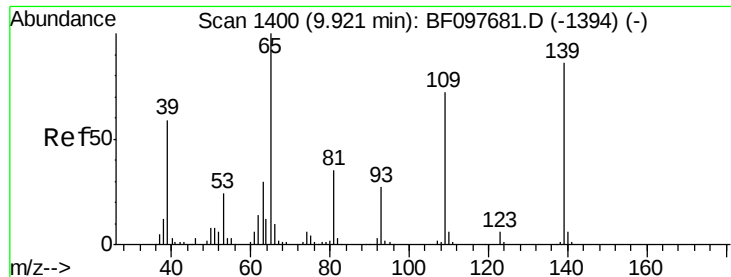


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 36.10 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.09 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

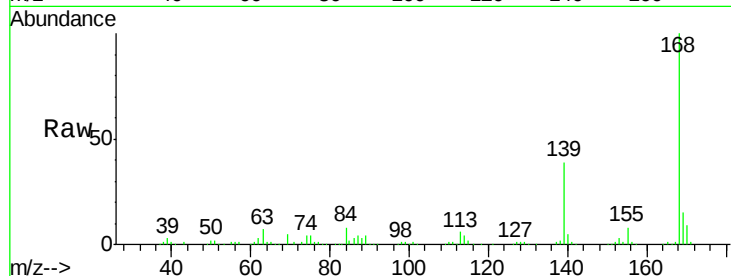
Tot Ion:139 Resp: 77302

Ion Ratio Lower Upper

139 100

109 1.1 34.1 74.1#

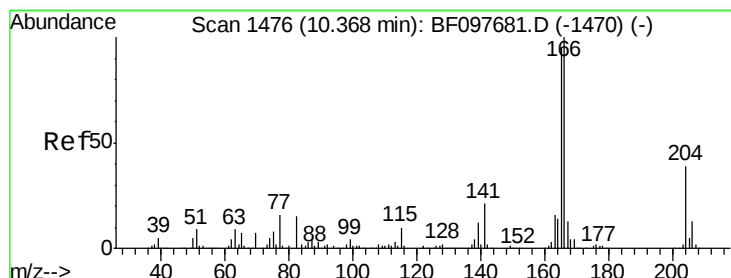
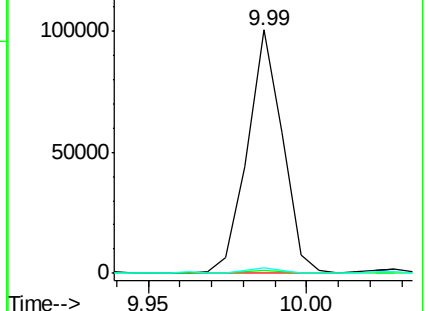
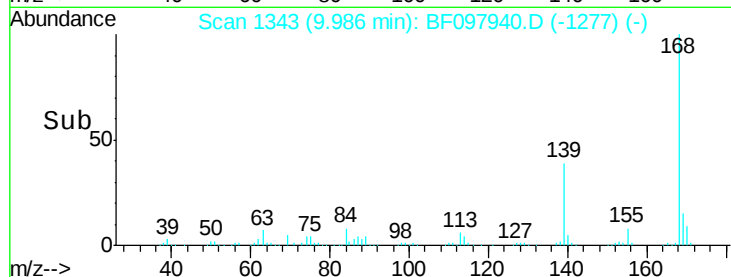
65 2.1 31.4 71.4#



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



#57

Fluorene

Concen: 24.86 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

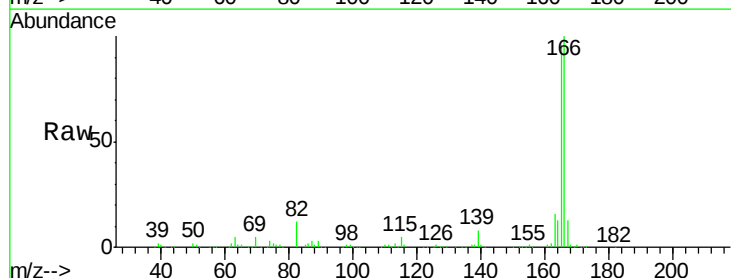
Tgt Ion:166 Resp: 245106

Ion Ratio Lower Upper

166 100

165 95.9 78.8 118.2

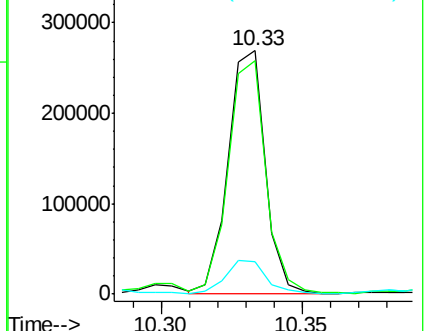
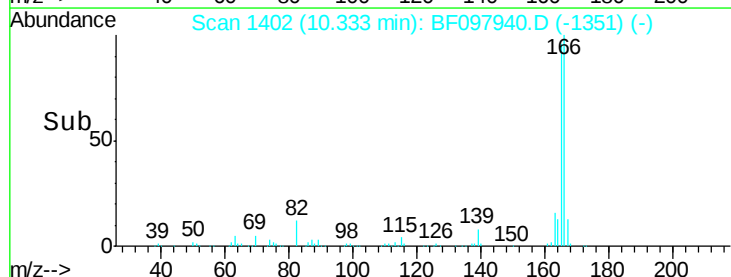
167 13.1 10.6 16.0

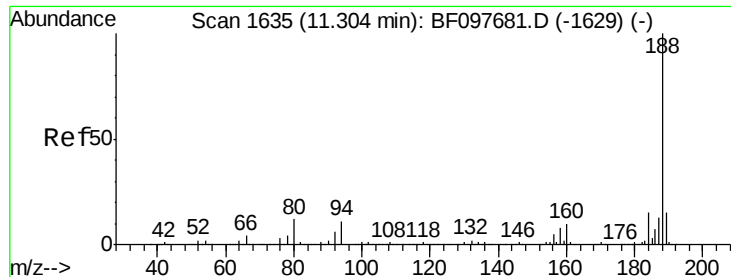


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

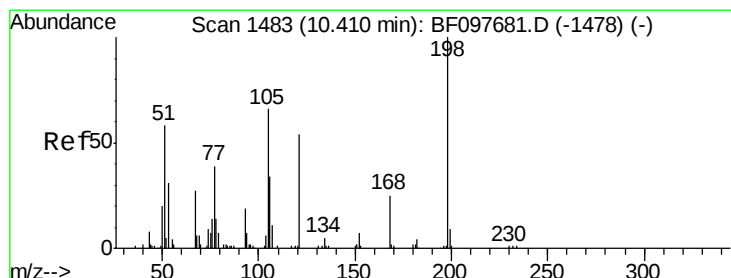
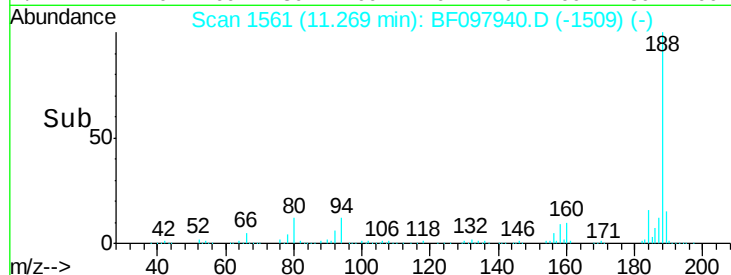
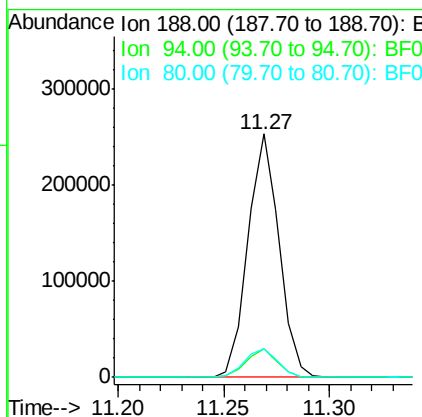
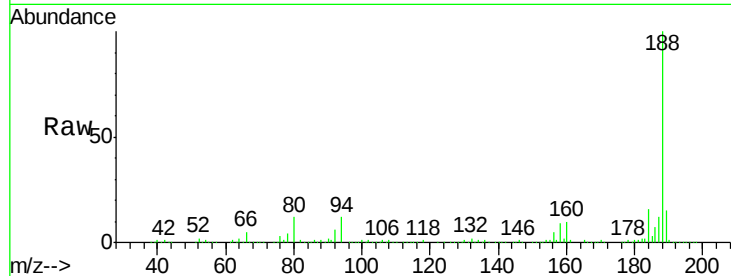




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

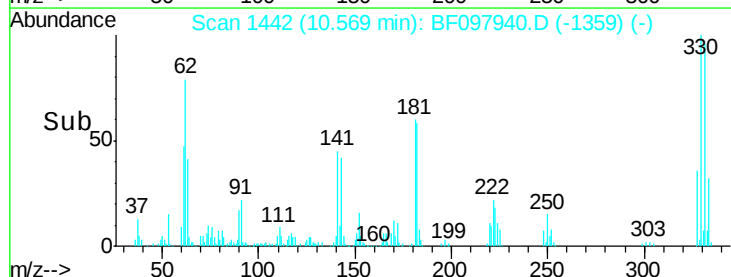
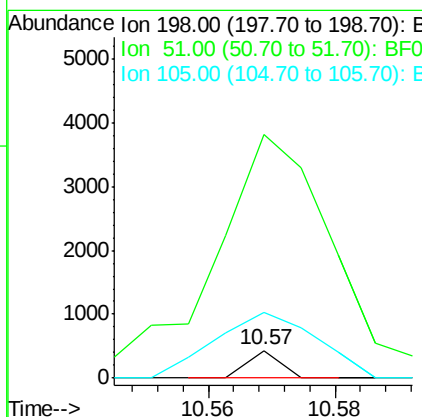
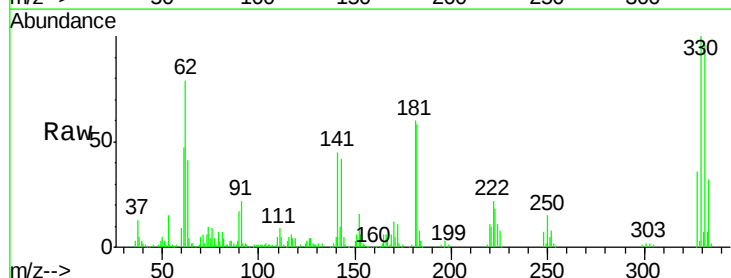
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

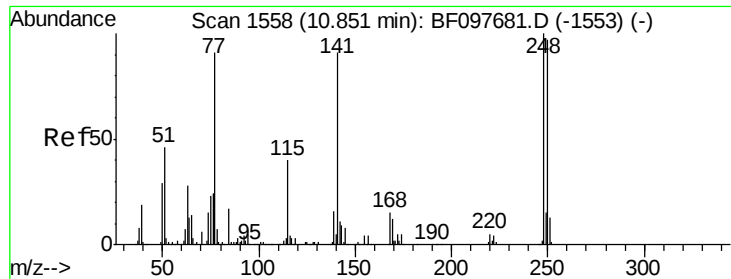
Tot Ion:188 Resp: 258417
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 11.8 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.42 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097940.D
Acq: 22 Aug 2017 8:01

Tgt Ion:198 Resp: 153
Ion Ratio Lower Upper
198 100
51 880.8 53.2 93.2#
105 236.0 45.8 85.8#

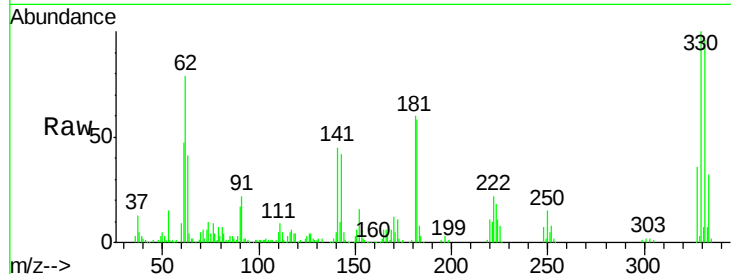




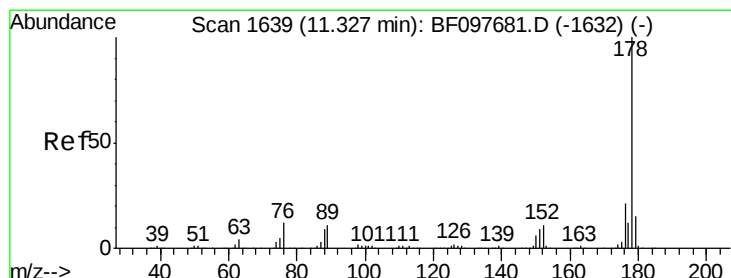
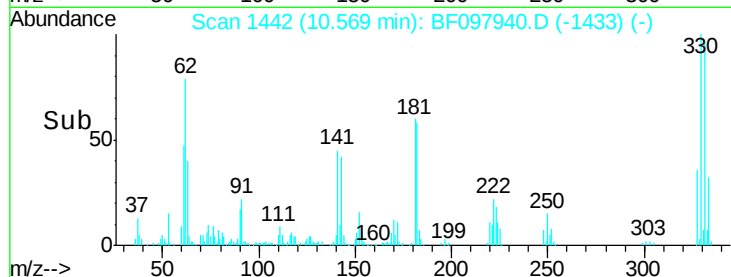
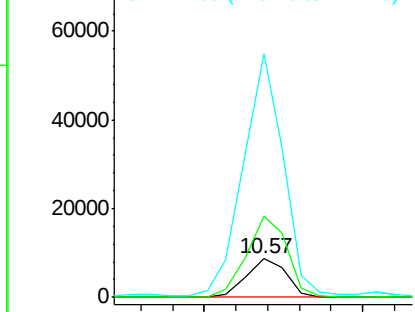
#66
 4-Bromophenyl-phenylether
 Concen: 2.86 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion:248 Resp: 7688
 Ion Ratio Lower Upper
 248 100
 250 209.4 76.8 115.2#
 141 633.0 68.6 103.0#

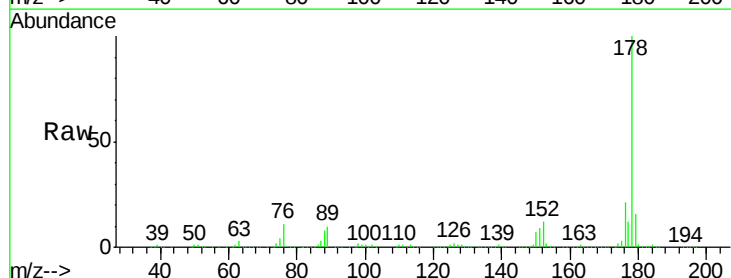


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

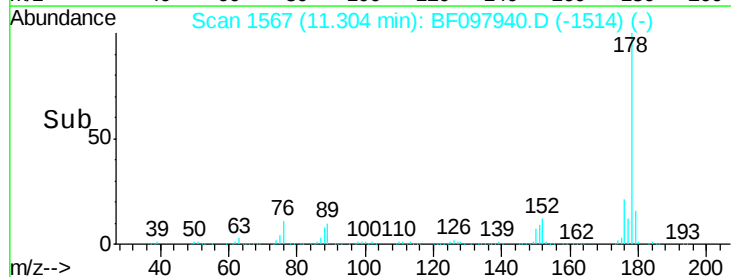
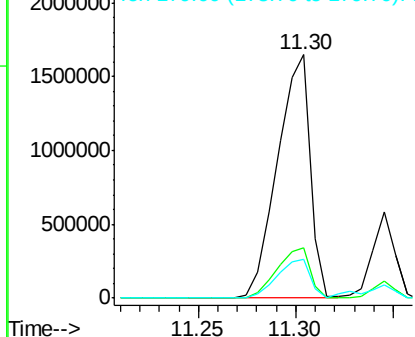


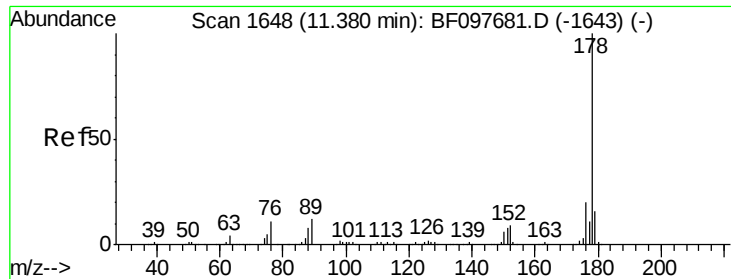
#70
 Phenanthrene
 Concen: 138.95 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Tgt Ion:178 Resp: 1913333
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 16.0 12.6 19.0



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

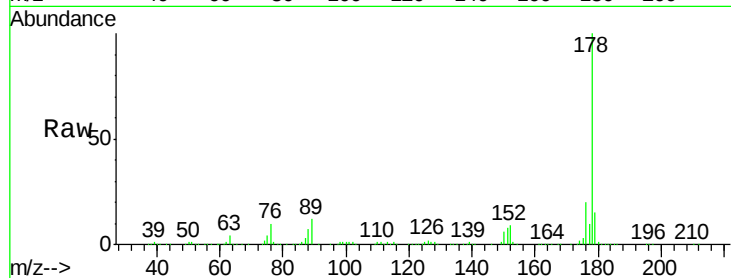




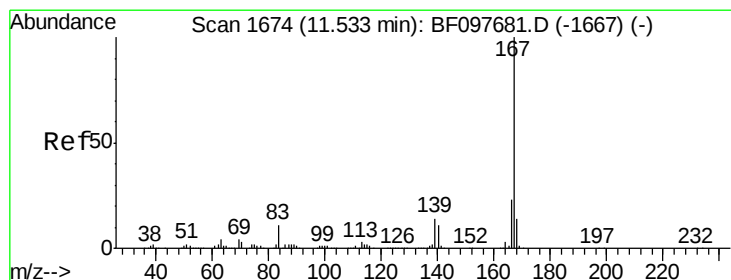
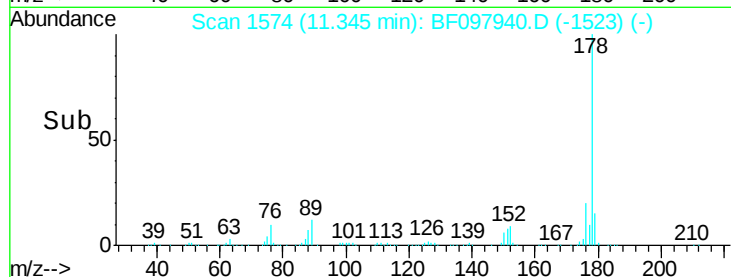
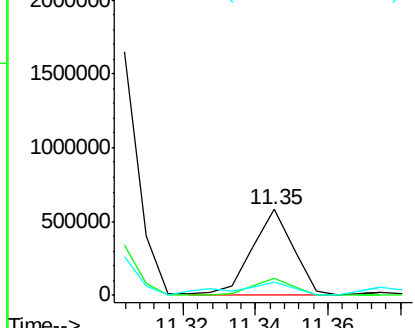
#71
 Anthracene
 Concen: 32.20 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion:178 Resp: 449773
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.4 12.7 19.1

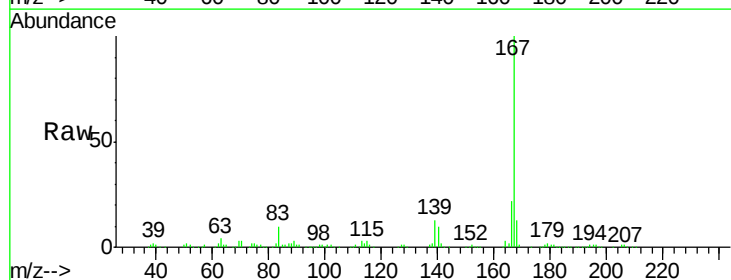


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

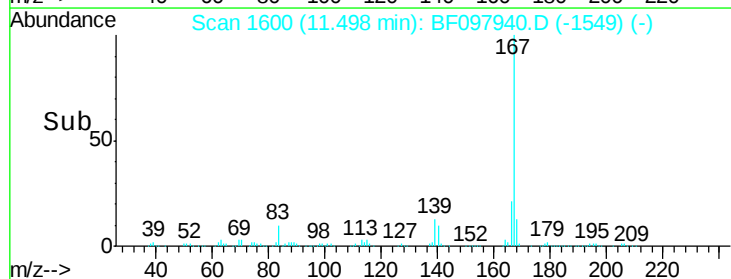
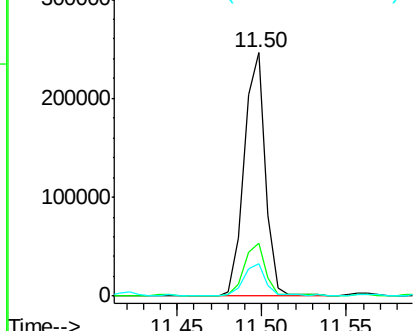


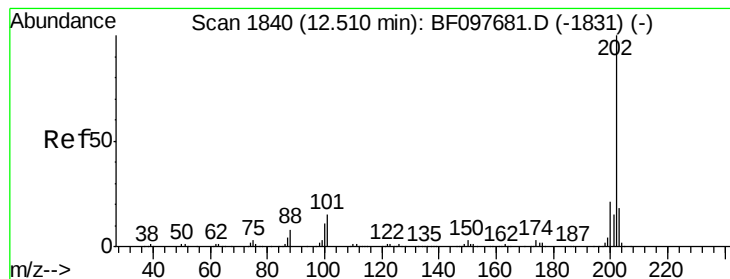
#72
 Carbazole
 Concen: 16.29 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF097940.D
 Acq: 22 Aug 2017 8:01

Tgt Ion:167 Resp: 216024
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.1 27.1
 139 13.2 11.7 17.5



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: 169.33 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

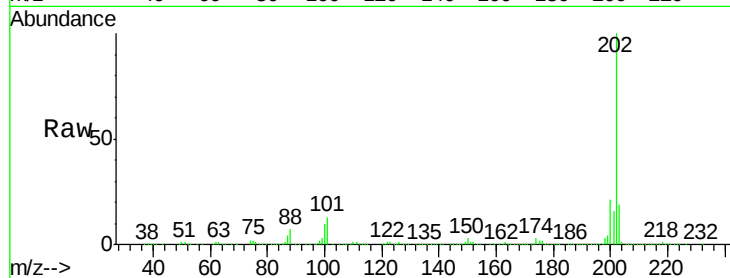
Tot Ion:202 Resp: 2433829

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

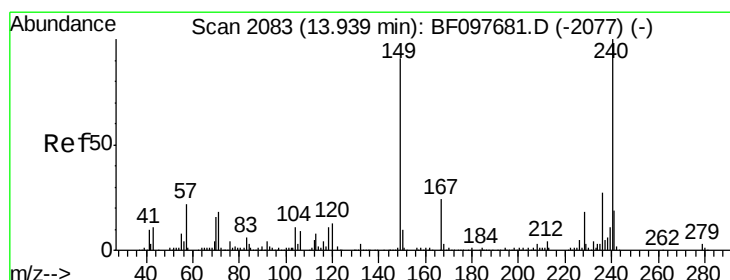
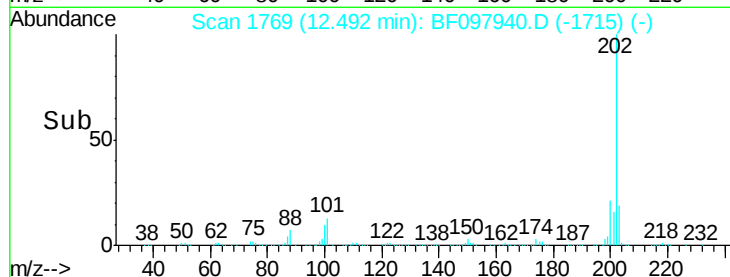
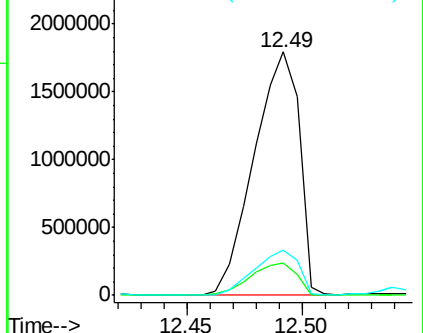
203 18.6 0.0 38.1



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: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

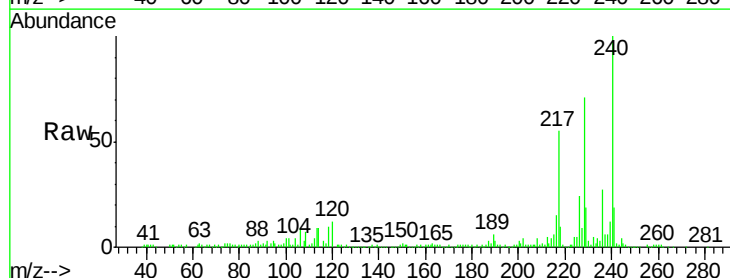
Tgt Ion:240 Resp: 203148

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

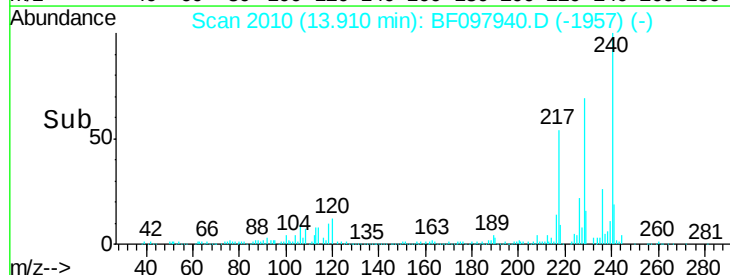
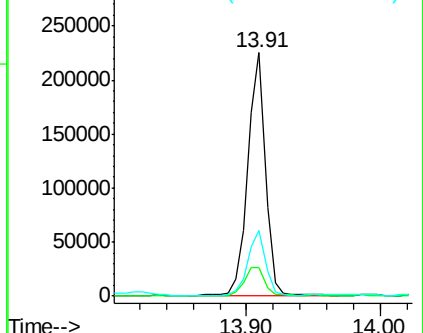
236 27.0 20.5 30.7

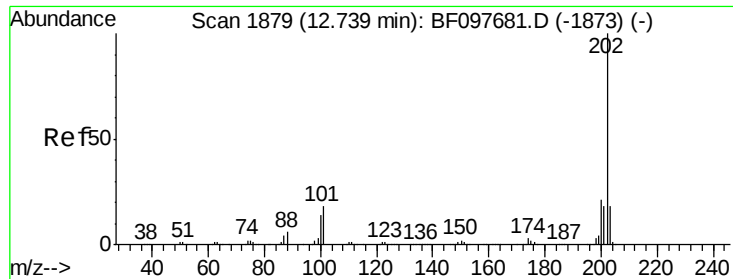


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 136.56 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

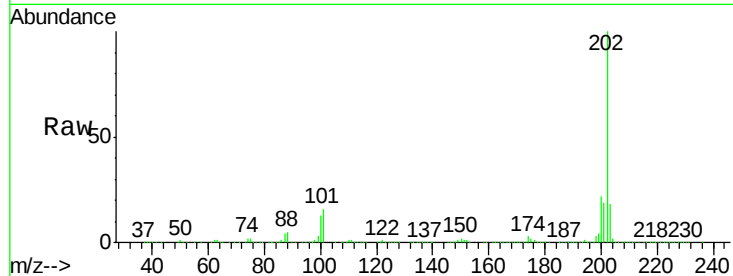
Tot Ion:202 Resp: 2269026

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

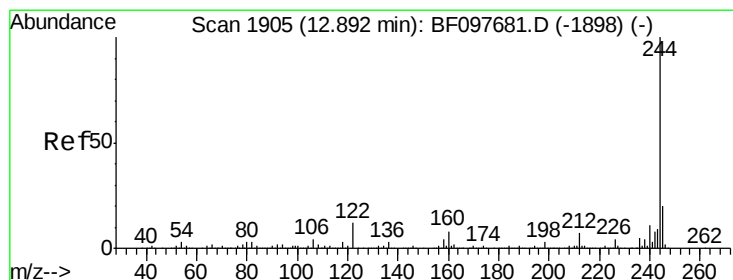
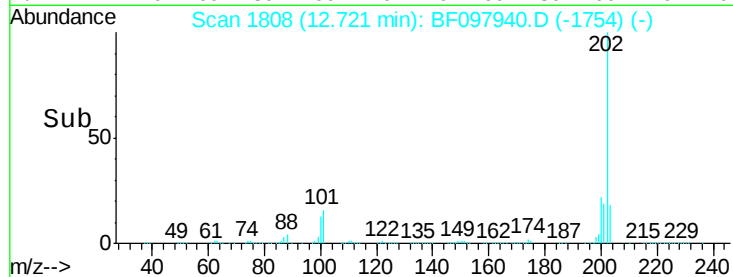
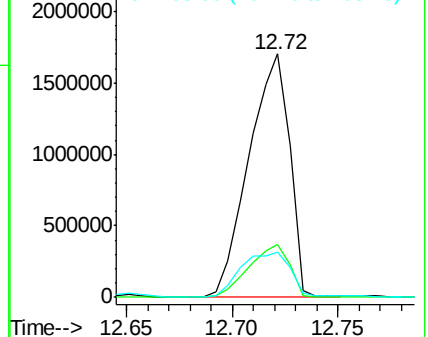
203 18.4 14.4 21.6



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: 47.91 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

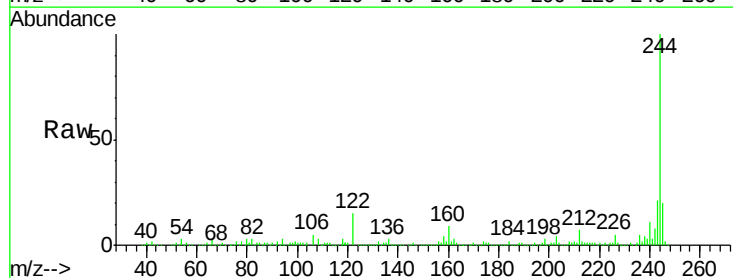
Tgt Ion:244 Resp: 466692

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

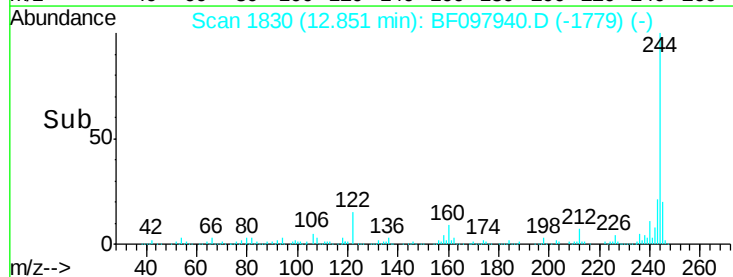
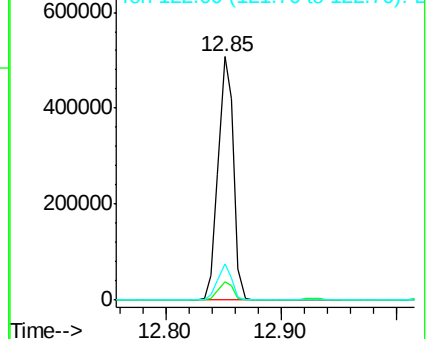
122 14.9 10.3 15.5

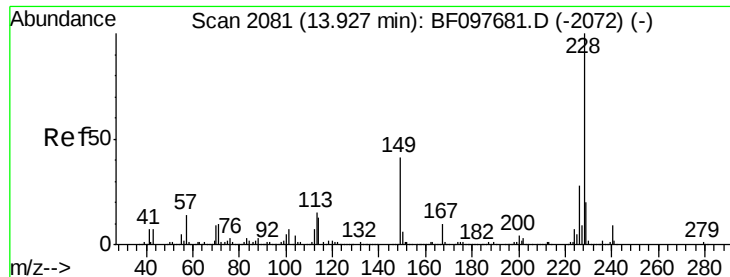


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 81.39 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

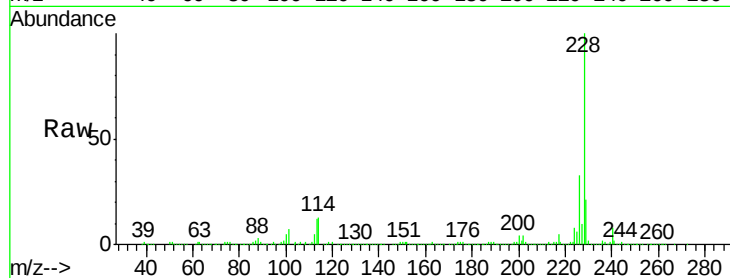
Tot Ion:228 Resp: 990994

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

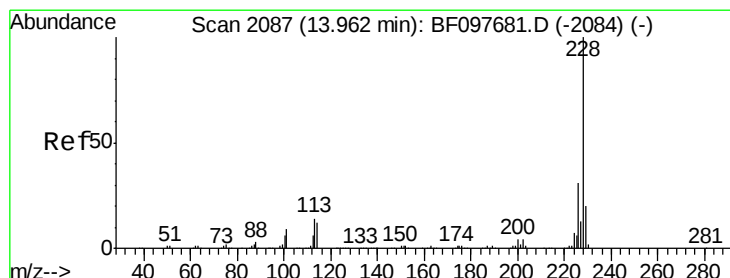
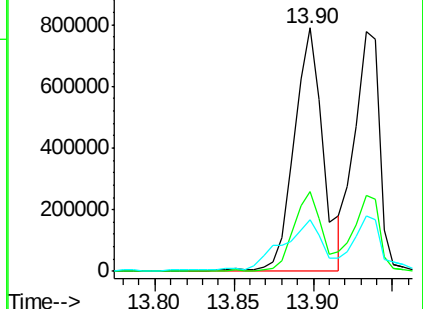
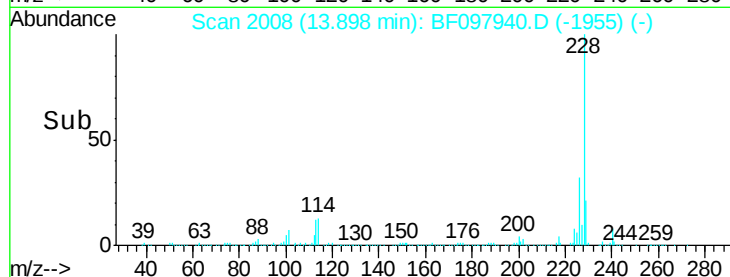
229 21.2 16.3 24.5



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: 71.02 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

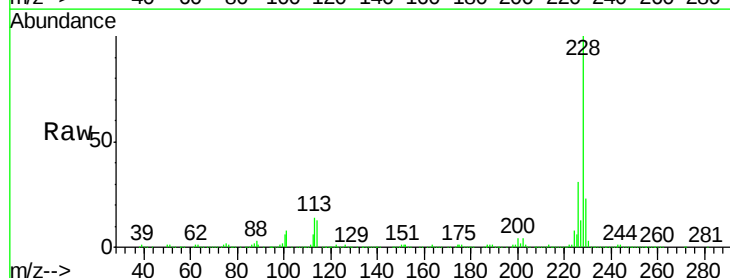
Tgt Ion:228 Resp: 860156

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

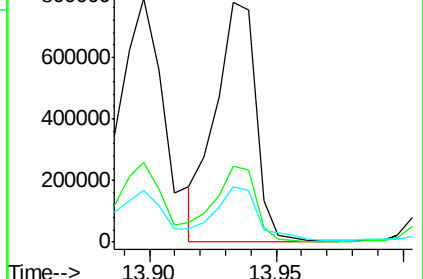
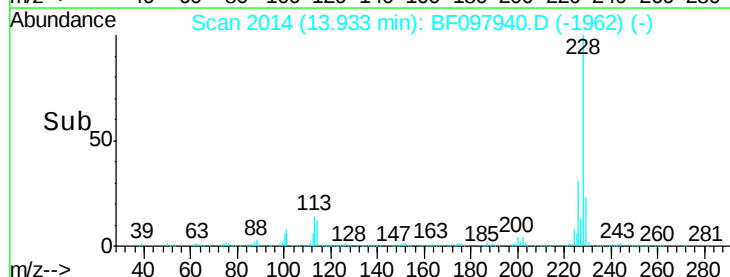
229 23.2 15.8 23.6

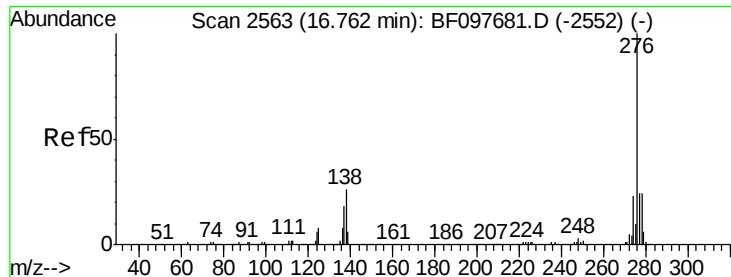


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.32 ng

RT: 16.56 min Scan# 2460

Delta R.T. -0.13 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

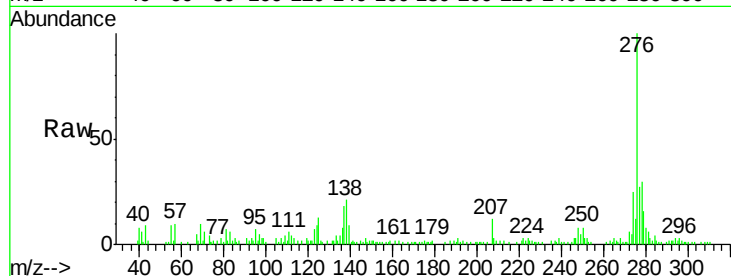
Tot Ion:276 Resp: 65255

Ion Ratio Lower Upper

276 100

138 28.6 27.8 41.6

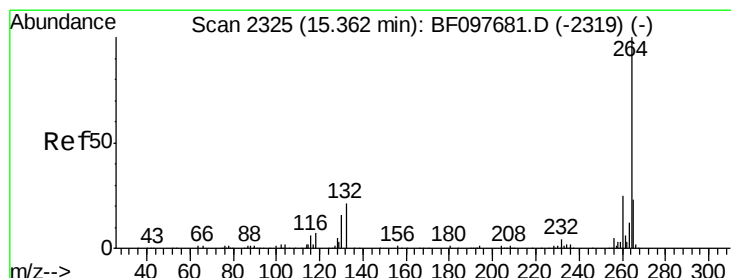
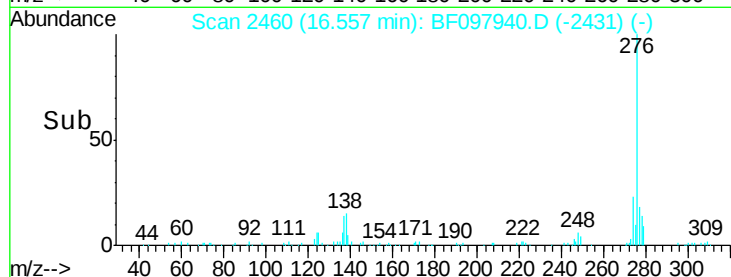
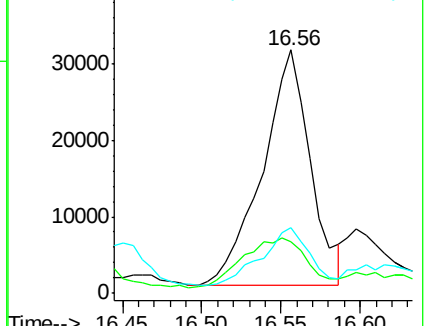
277 24.6 20.2 30.4



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: 15.33 min Scan# 2251

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

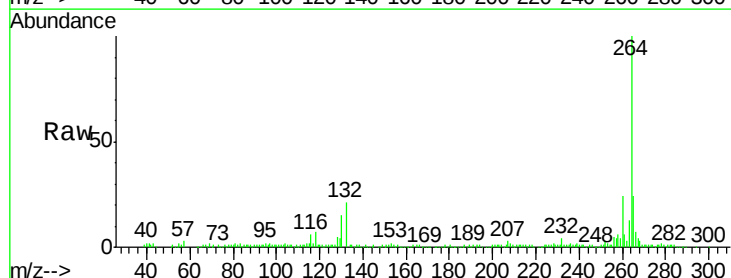
Tgt Ion:264 Resp: 150322

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

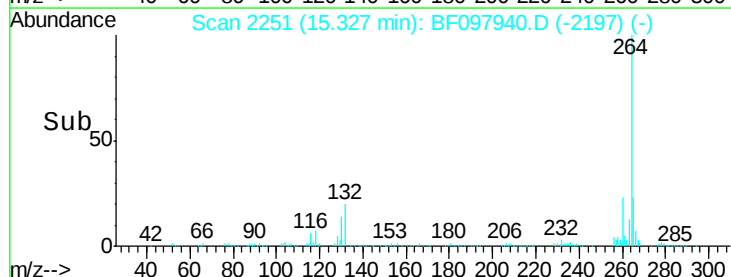
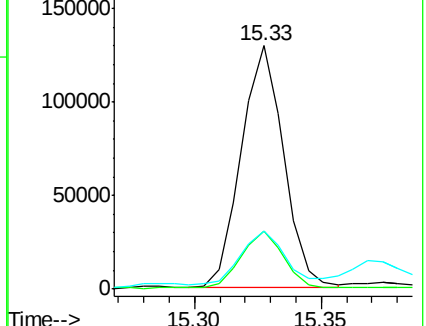
265 23.7 17.2 25.8

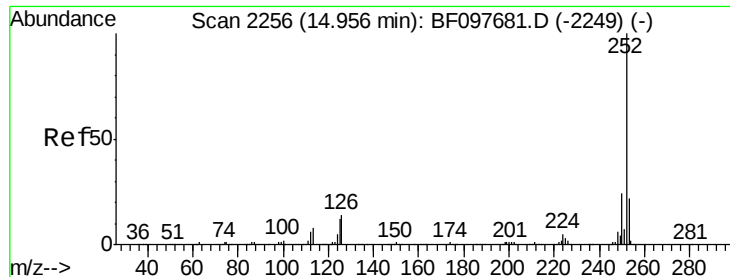


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 125.42 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

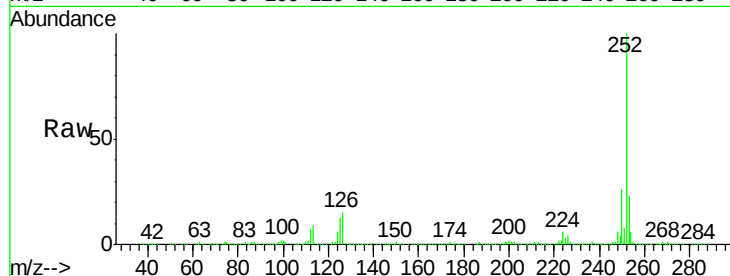
Tot Ion:252 Resp: 1188426

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

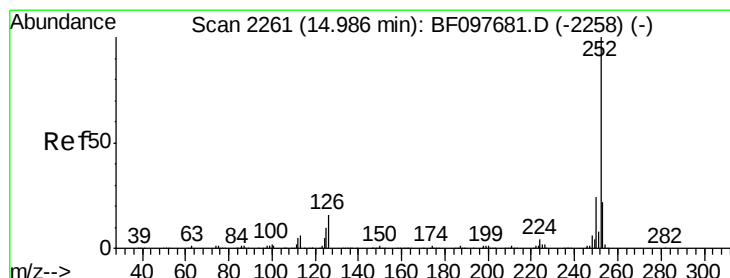
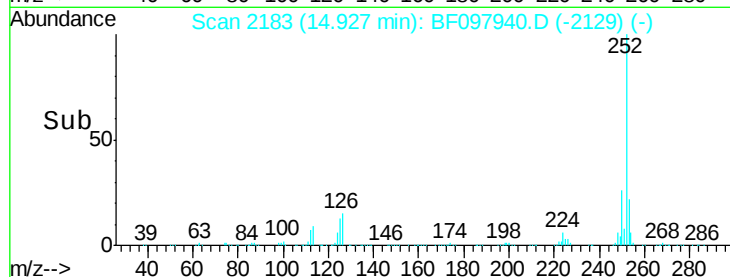
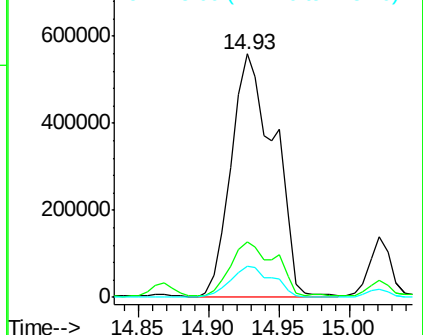
125 12.7 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 16.50 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.08 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

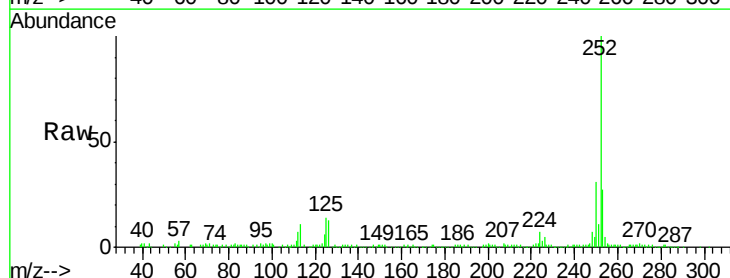
Tgt Ion:252 Resp: 146840

Ion Ratio Lower Upper

252 100

253 27.5 18.4 27.6

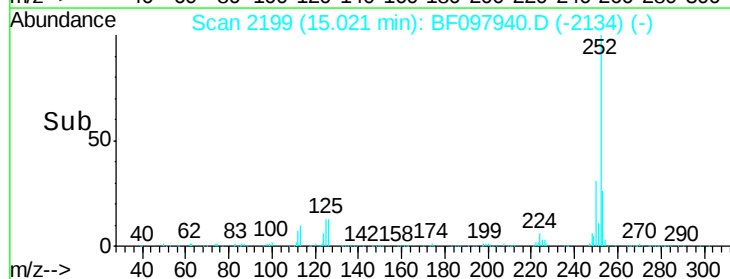
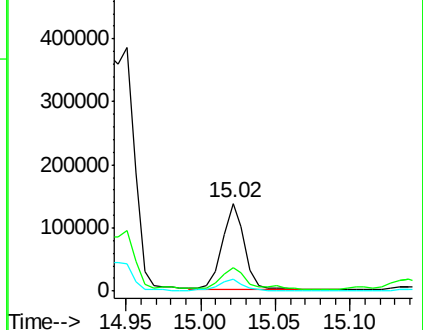
125 13.7 13.1 19.7

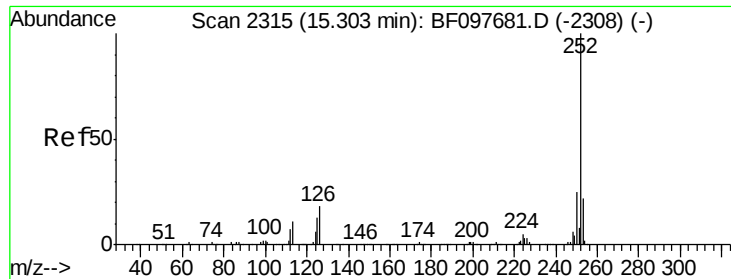


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 78.80 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

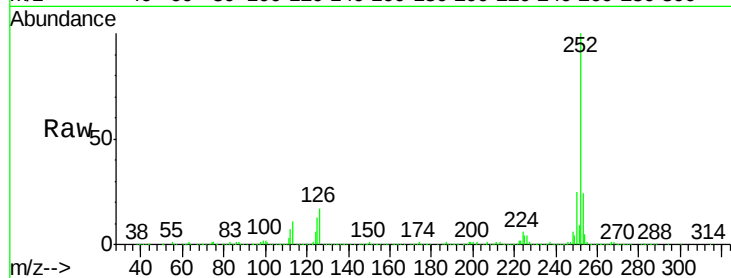
Tot Ion:252 Resp: 661016

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

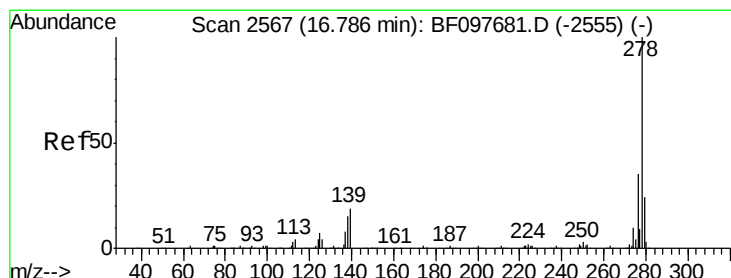
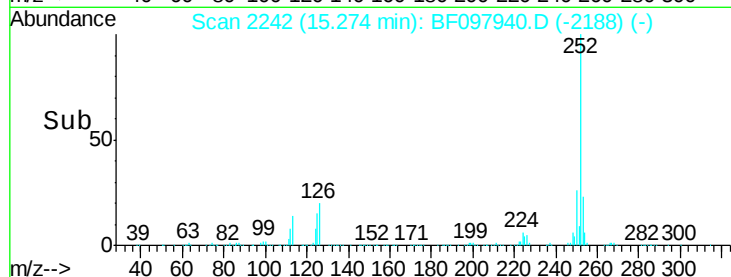
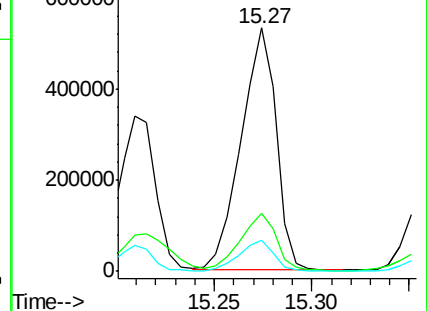
125 12.9 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 12.76 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

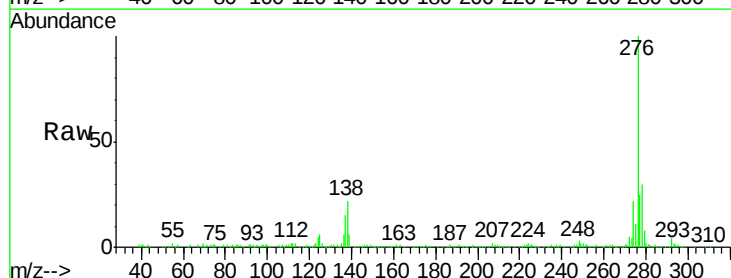
Tgt Ion:278 Resp: 87168

Ion Ratio Lower Upper

278 100

139 21.7 16.6 24.8

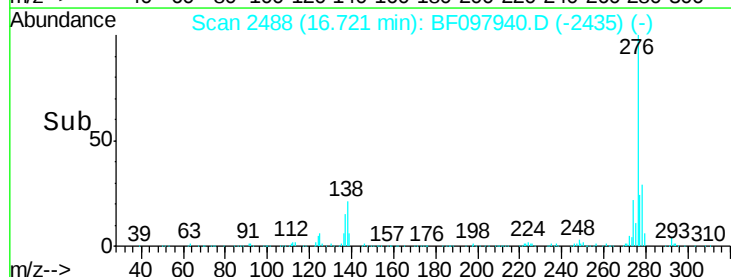
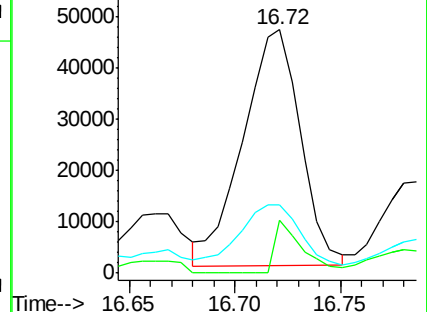
279 27.9 19.3 28.9

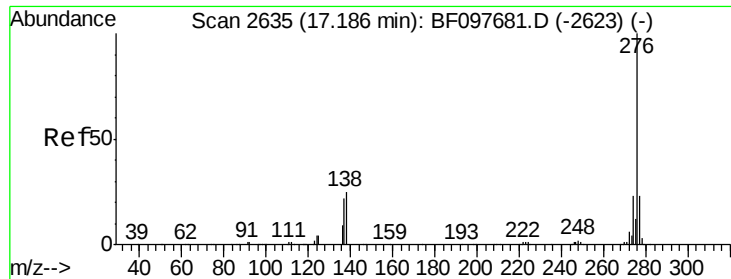


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 51.81 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.02 min

Lab File: BF097940.D

Acq: 22 Aug 2017 8:01

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

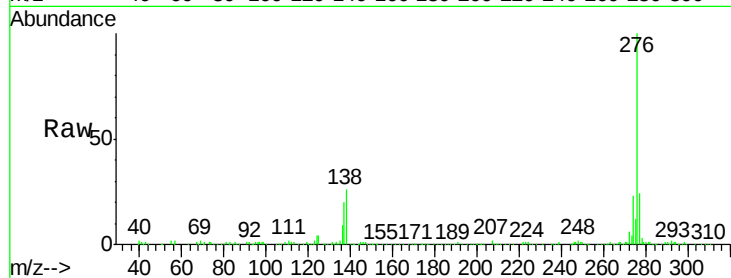
Tot Ion:276 Resp: 369194

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 26.0 25.4 38.0



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

