

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098221.D
 Acq On : 1 Sep 2017 12:46
 Operator : SJ/JU
 Sample : I4987-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Quant Time: Sep 01 16:20:26 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	6.72	152	112435	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	443992	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	188908	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	308760	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	211187	20.00	ng	-0.03
86) Perylene-d12	15.28	264	202934	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	892645	120.76	ng	-0.02
7) Phenol-d6	6.37	99	1218470	121.32	ng	-0.02
23) Nitrobenzene-d5	7.29	82	746416	91.33	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	192850	117.66	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	900294	70.02	ng	-0.03
78) Terphenyl-d14	12.82	244	550463	54.35	ng	-0.03

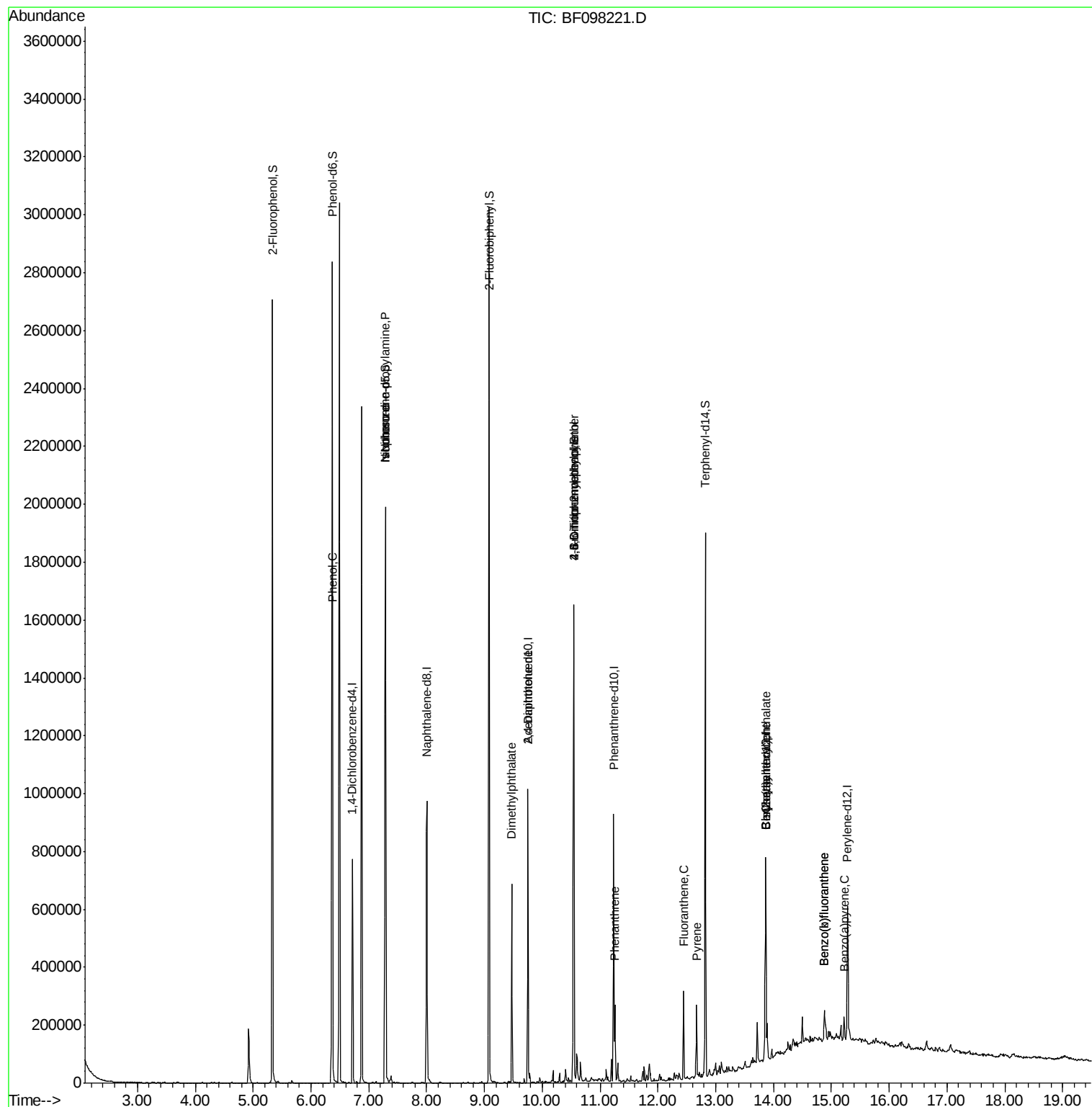
Target Compounds				Qvalue		
10) Phenol	6.38	94	33325	2.837	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	98793	14.369	ng	# 72
25) Isophorone	7.29	82	736155	43.317	ng	# 67
49) Dimethylphthalate	9.47	163	233027	16.875	ng	98
56) 2,4-Dinitrotoluene	9.75	165	24096	6.966	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.54	198	421	8.560	ng	# 7
66) 4-Bromophenyl-phenylether	10.54	248	12582	3.924	ng	# 1
70) Phenanthrene	11.26	178	80472	4.891	ng	99
74) Fluoranthene	12.44	202	108728	6.331	ng	98
77) Pyrene	12.67	202	102594	5.940	ng	98
80) Benzo(a)anthracene	13.86	228	52113	4.117	ng	100
82) Chrysene	13.86	228	52113	4.139	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	41266	5.623	ng	# 99
87) Benzo(b)fluoranthene	14.88	252	68649	5.367	ng	97
88) Benzo(k)fluoranthene	14.88	252	68649	5.712	ng	98
89) Benzo(a)pyrene	15.22	252	38784	3.425	ng	98

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

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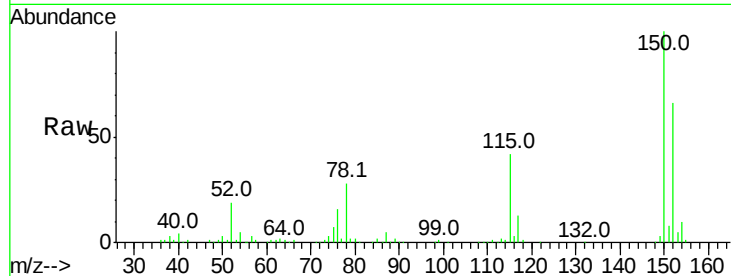


#1

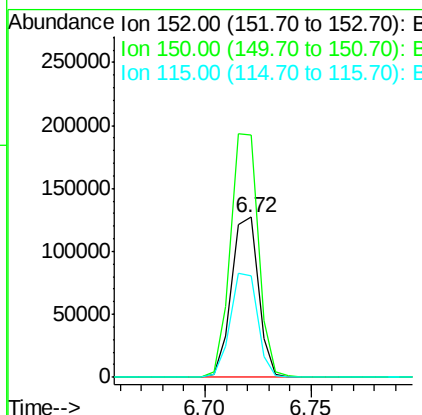
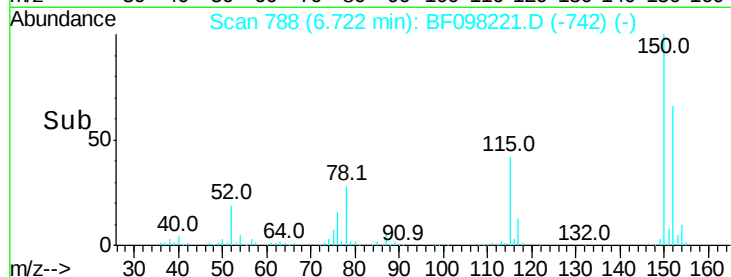
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Tot Ion:152 Resp: 112435
 Ion Ratio Lower Upper
 152 100
 150 151.8 126.2 189.2
 115 63.2 52.2 78.2



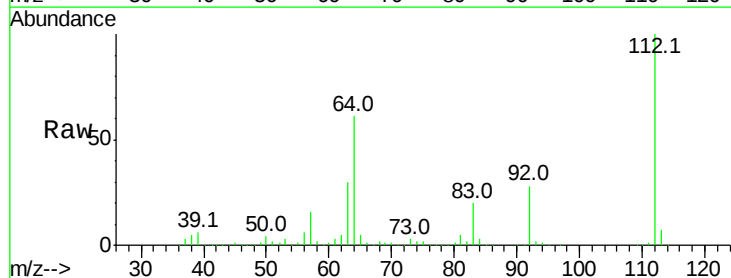
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



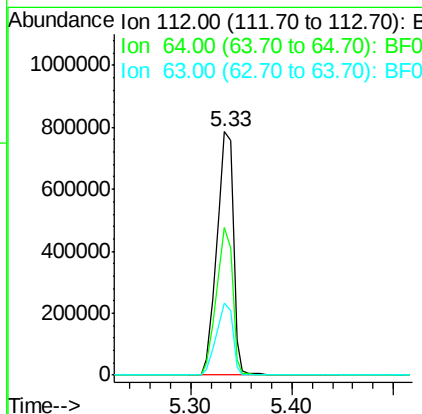
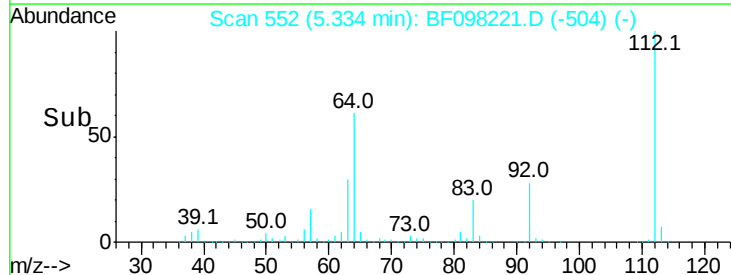
#5

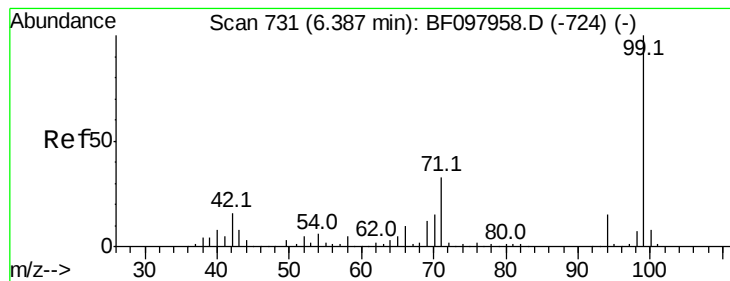
2-Fluorophenol
 Concen: 120.761 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

Tgt Ion:112 Resp: 892645
 Ion Ratio Lower Upper
 112 100
 64 60.5 46.0 69.0
 63 29.6 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: 121.321 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

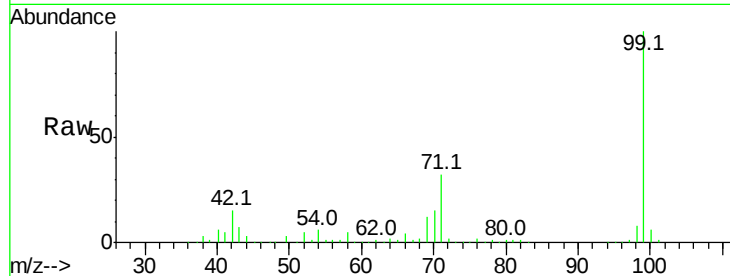
Tot Ion: 99 Resp: 1218470

Ion Ratio Lower Upper

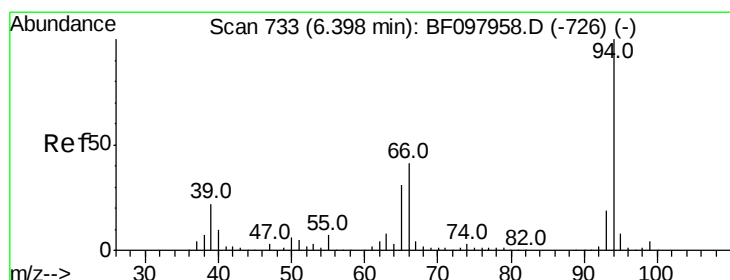
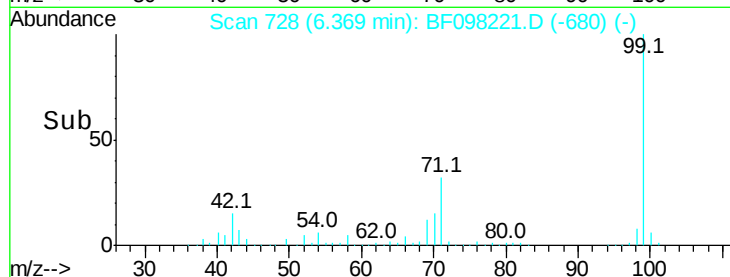
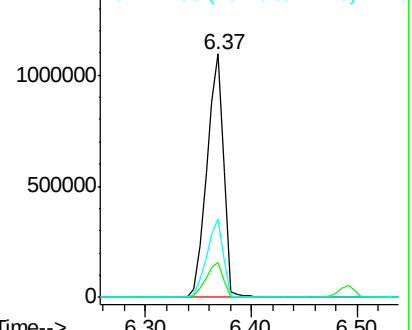
99 100

42 14.6 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: 2.837 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

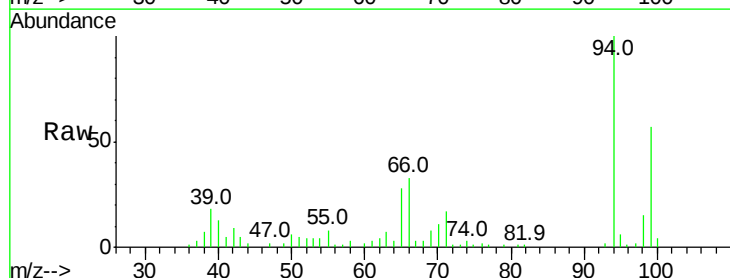
Tgt Ion: 94 Resp: 33325

Ion Ratio Lower Upper

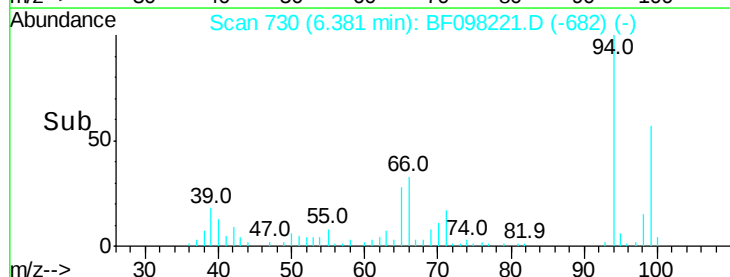
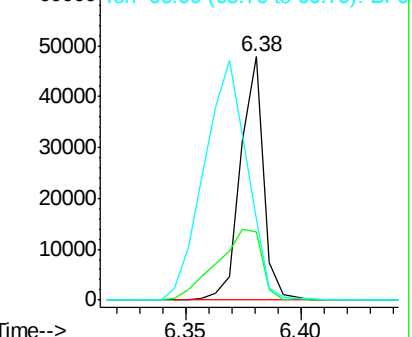
94 100

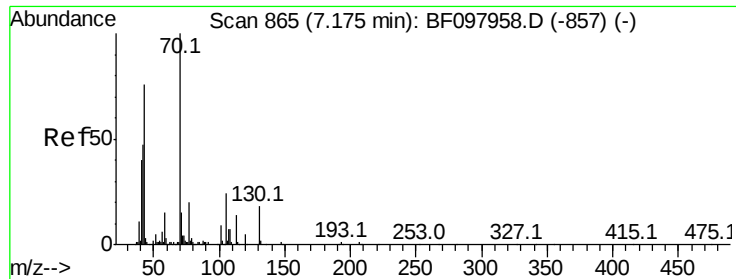
65 28.3 9.9 49.9

66 33.0 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: 14.369 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

Tot Ion: 70 Resp: 98793

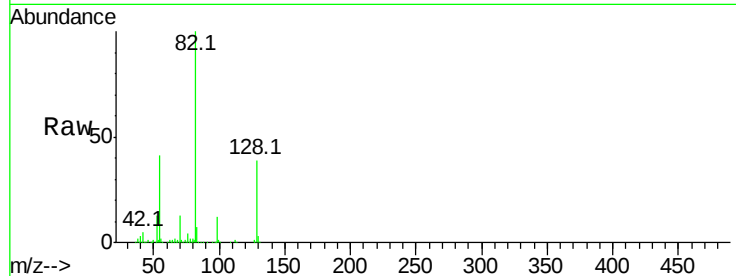
Ion Ratio Lower Upper

70 100

42 40.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

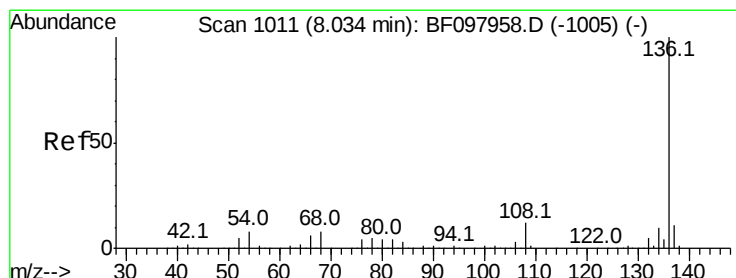
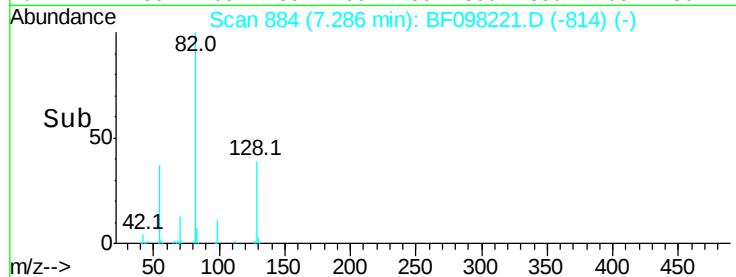
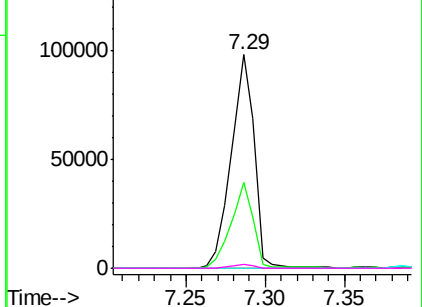


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Tgt Ion: 136 Resp: 443992

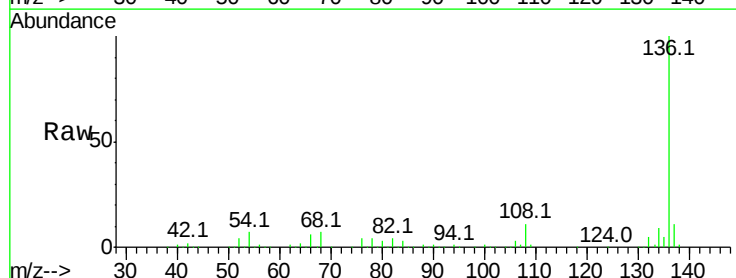
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.2 4.9 7.3

68 6.8 4.1 6.1#

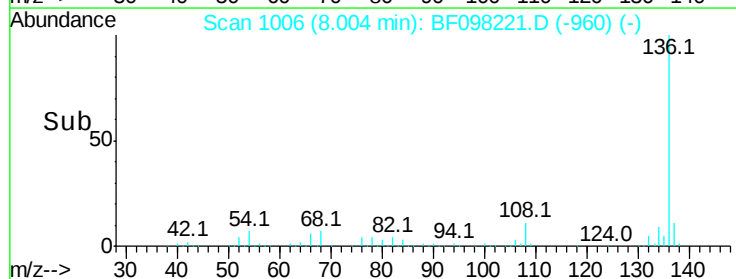
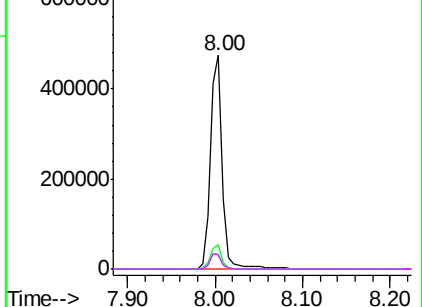


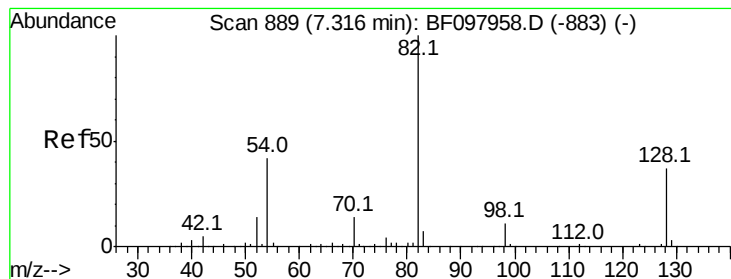
Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.328 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

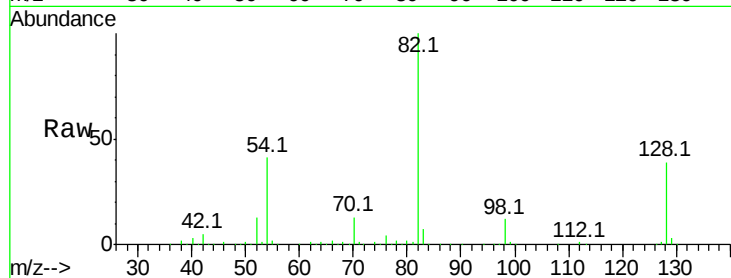
Tot Ion: 82 Resp: 746416

Ion Ratio Lower Upper

82 100

128 38.9 34.0 51.0

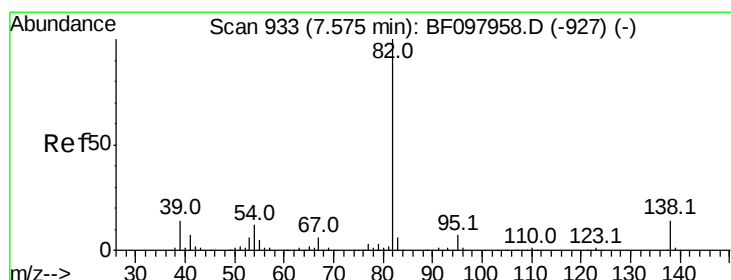
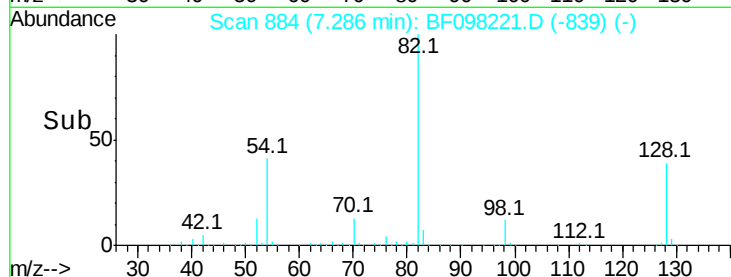
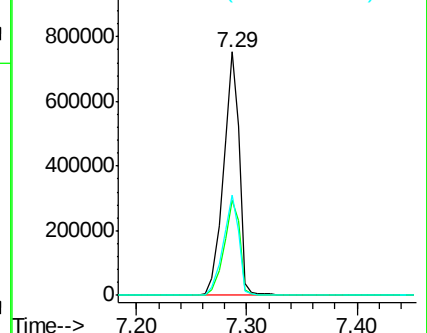
54 40.9 42.2 63.2#



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: 43.317 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

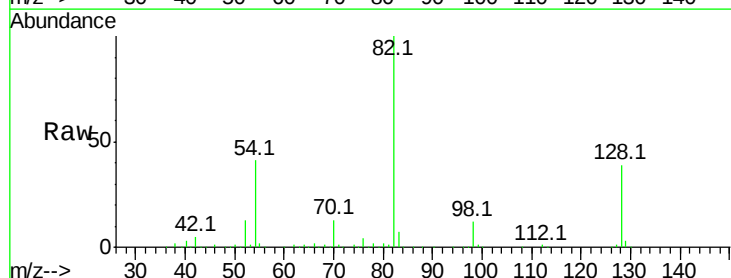
Tgt Ion: 82 Resp: 736155

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

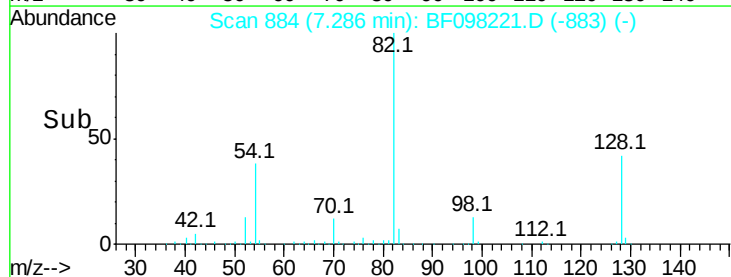
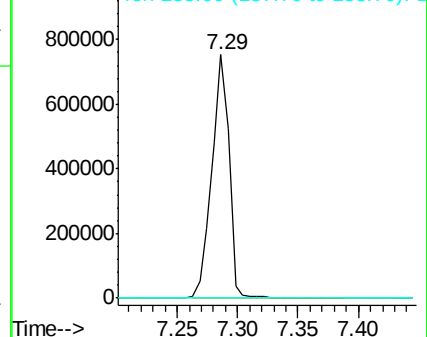
138 0.0 13.1 19.7#

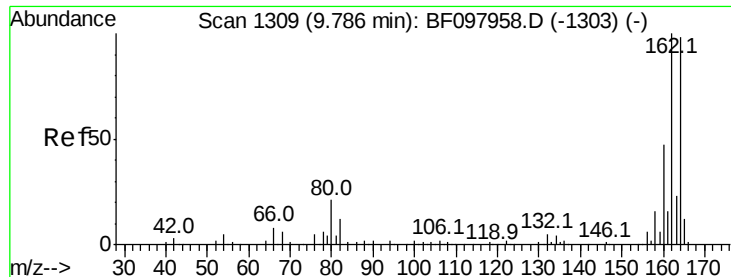


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

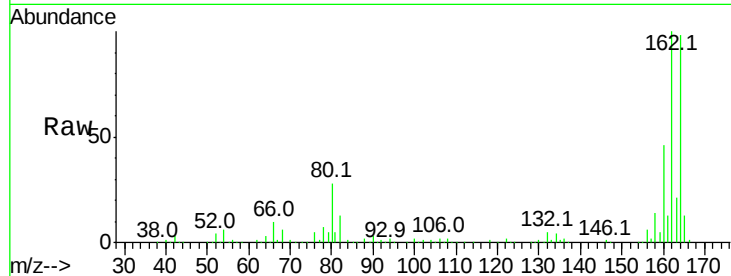




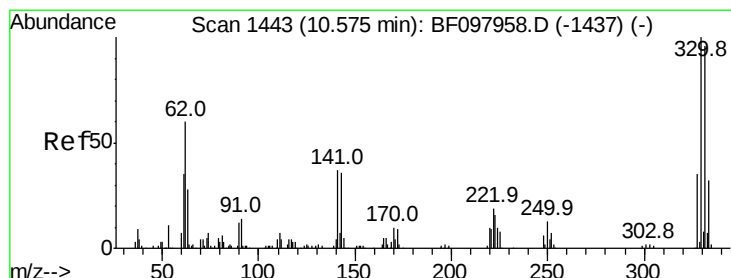
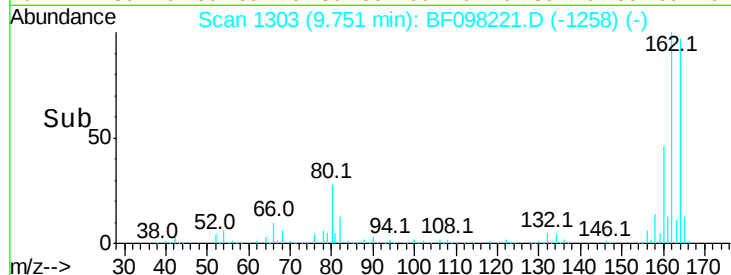
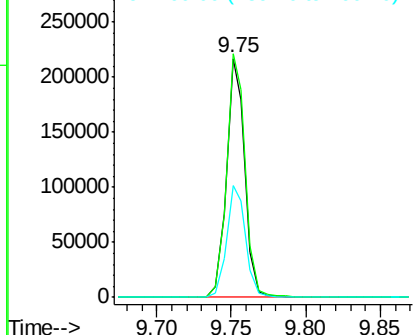
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.04 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Tot Ion:164 Resp: 188908
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 47.0 36.2 54.2

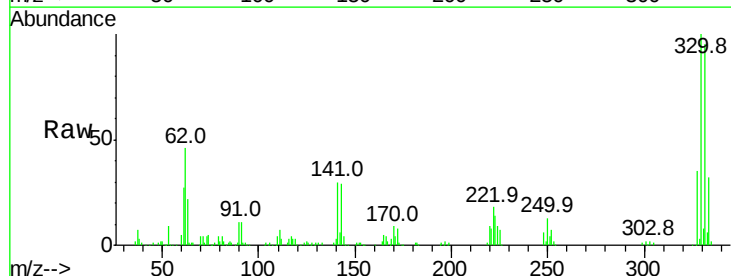


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

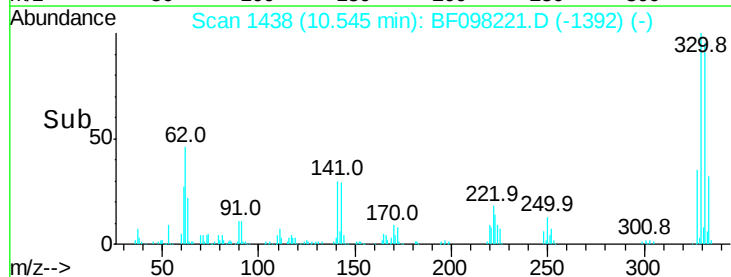
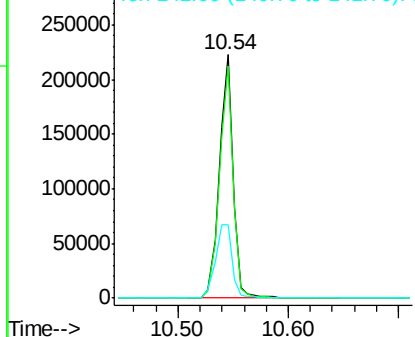


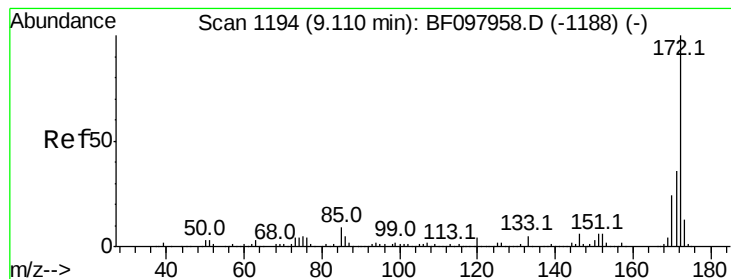
#41
 2,4,6-Tribromophenol
 Concen: 117.657 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

Tgt Ion:330 Resp: 192850
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 36.5 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: 70.019 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

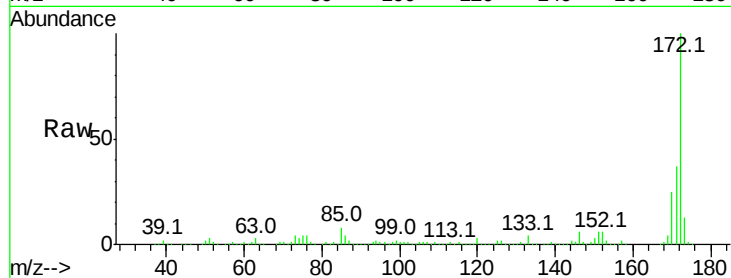
Tot Ion:172 Resp: 900294

Ion Ratio Lower Upper

172 100

171 36.8 29.6 44.4

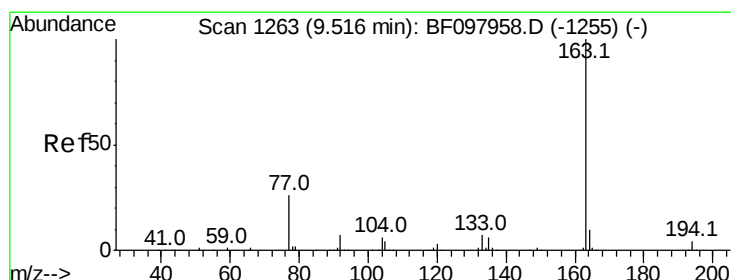
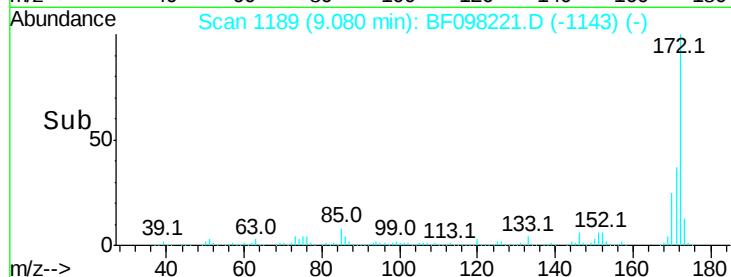
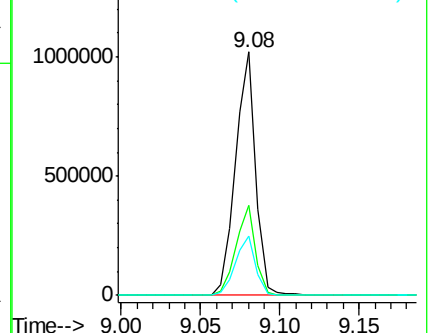
170 24.5 19.8 29.8



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: 16.875 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

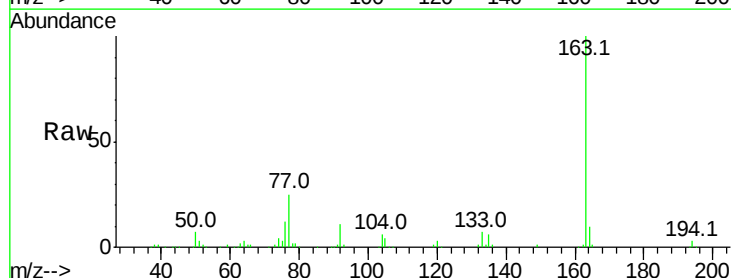
Tgt Ion:163 Resp: 233027

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

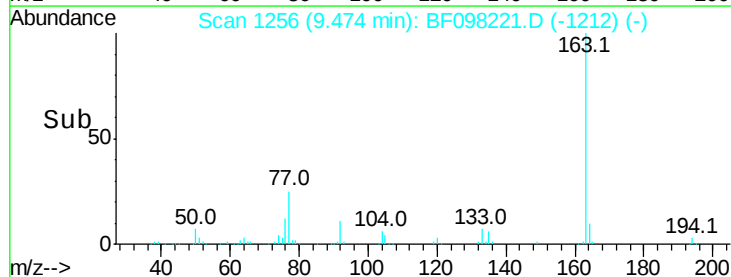
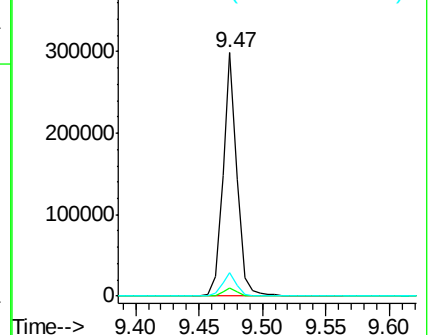
164 9.6 8.4 12.6

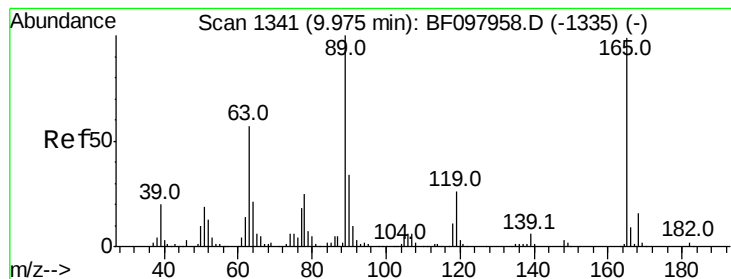


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.966 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.22 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

Tot Ion:165 Resp: 24096

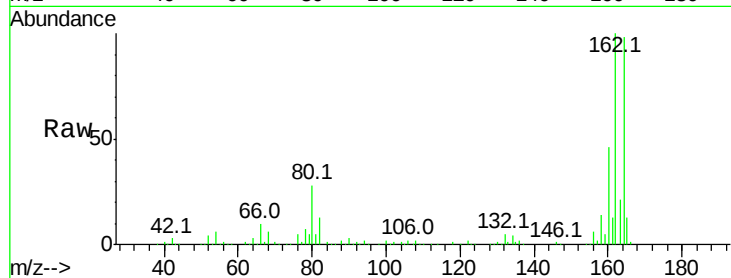
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

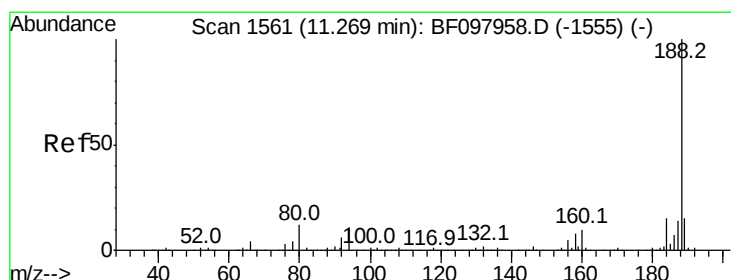
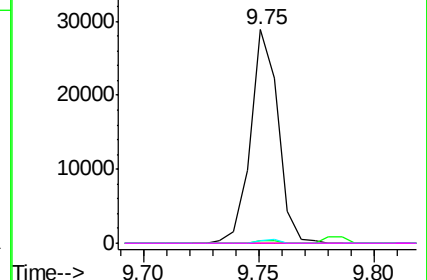
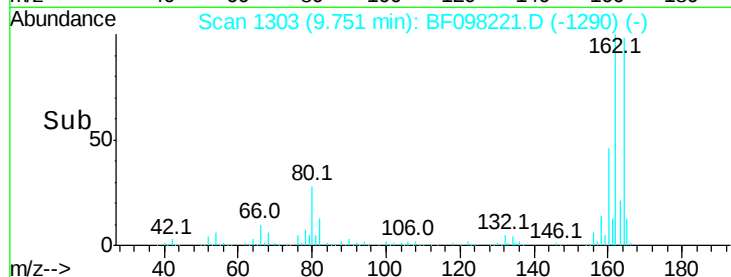


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

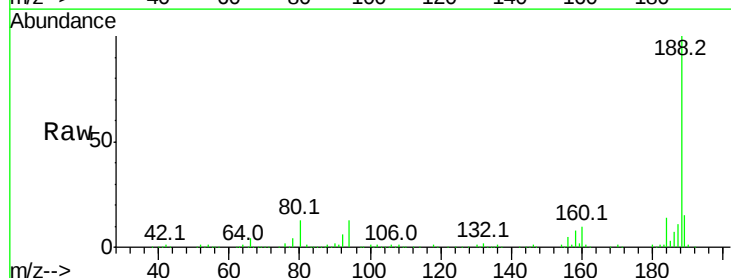
Tgt Ion:188 Resp: 308760

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

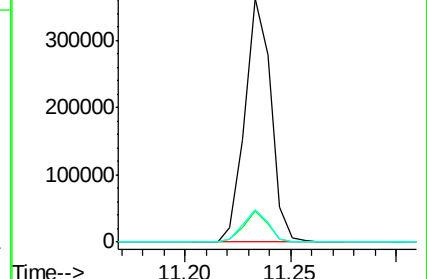
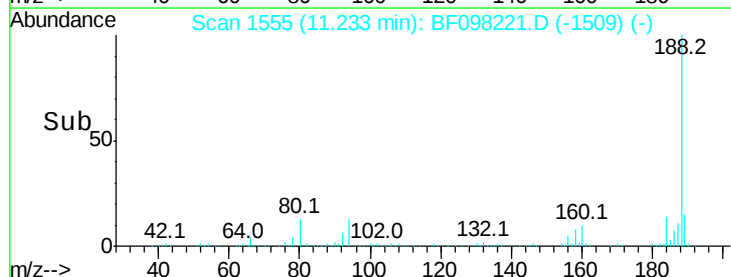
80 13.4 10.2 15.2

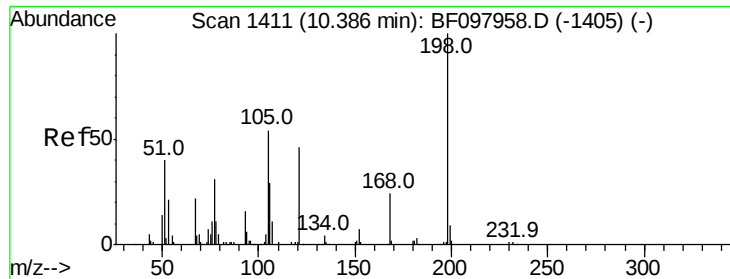


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.560 ng

RT: 10.54 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

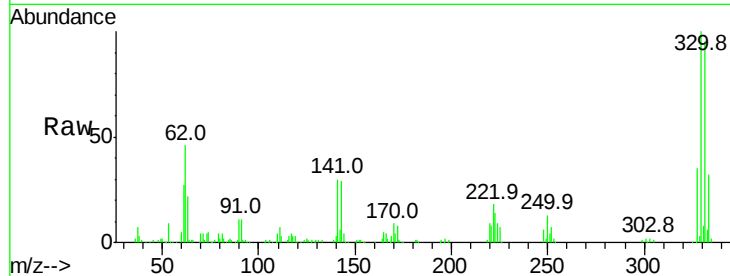
Tot Ion:198 Resp: 421

Ion Ratio Lower Upper

198 100

51 137.5 53.2 93.2#

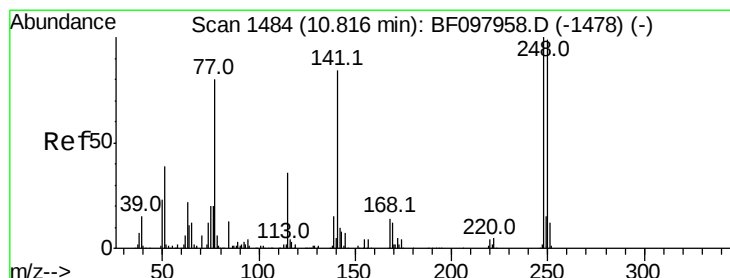
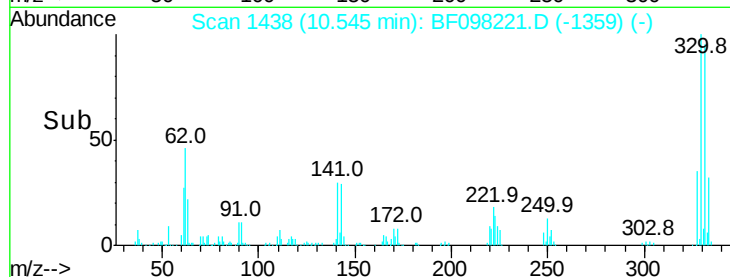
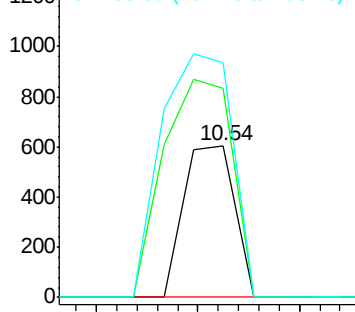
105 154.7 45.8 85.8#



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: 3.924 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

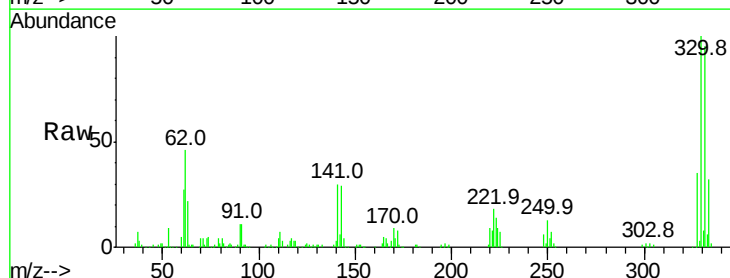
Tgt Ion:248 Resp: 12582

Ion Ratio Lower Upper

248 100

250 207.3 76.8 115.2#

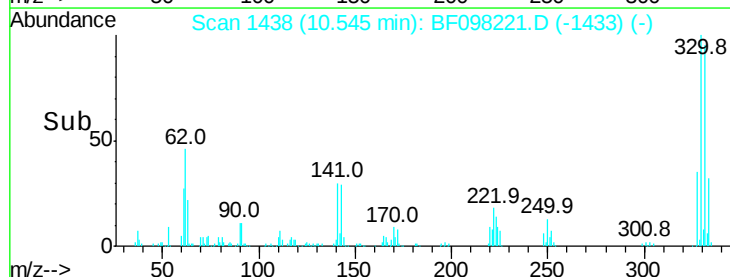
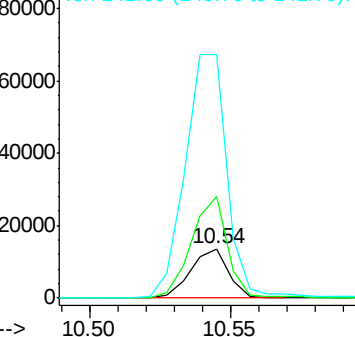
141 494.4 68.6 103.0#

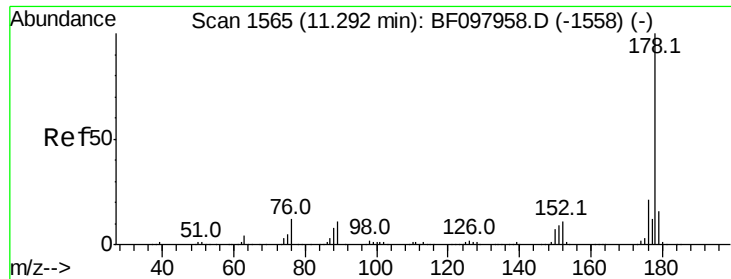


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.891 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.04 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

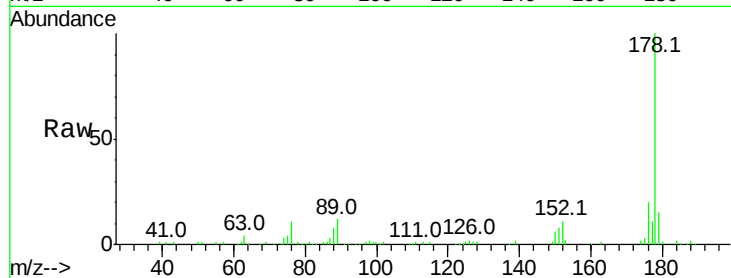
Tot Ion:178 Resp: 80472

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

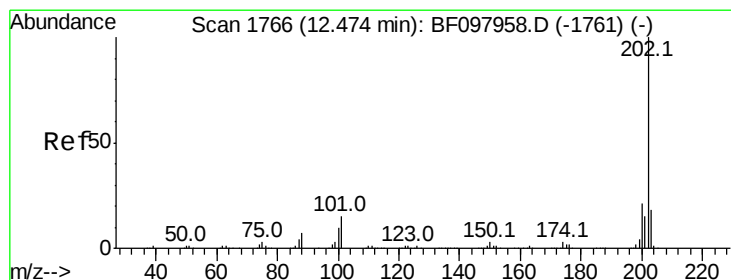
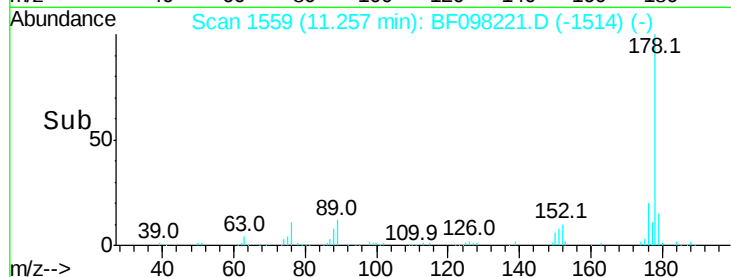
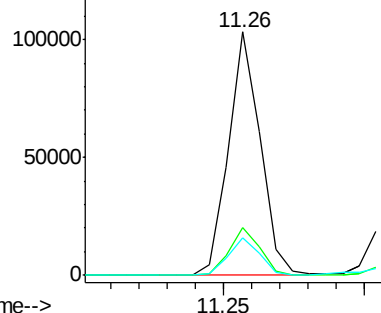
179 15.3 12.6 19.0



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



#74

Fluoranthene

Concen: 6.331 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

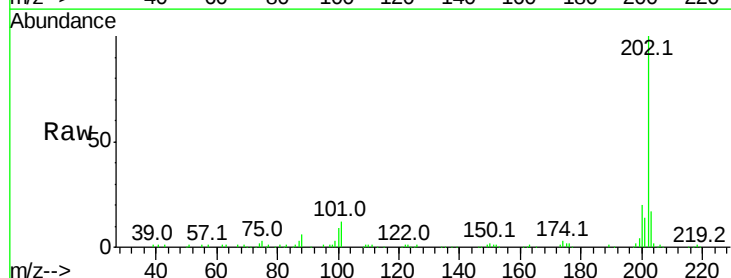
Tgt Ion:202 Resp: 108728

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

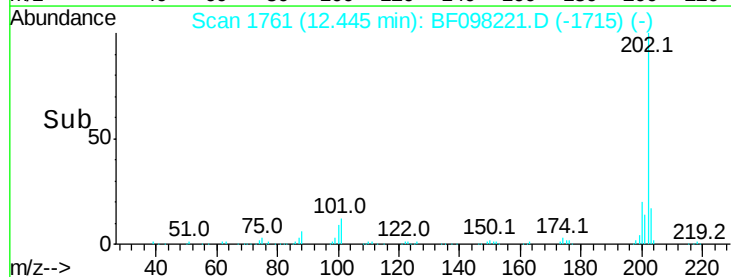
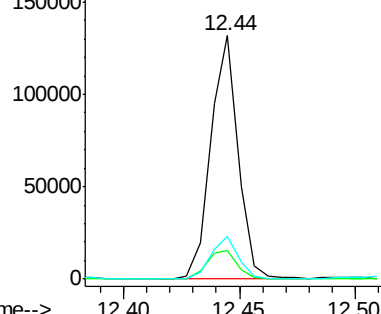
203 17.4 0.0 38.1

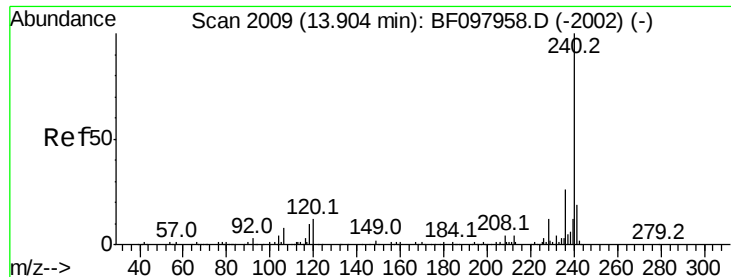


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

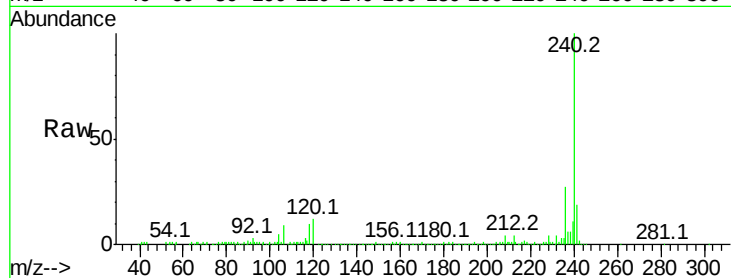
Tot Ion:240 Resp: 211187

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

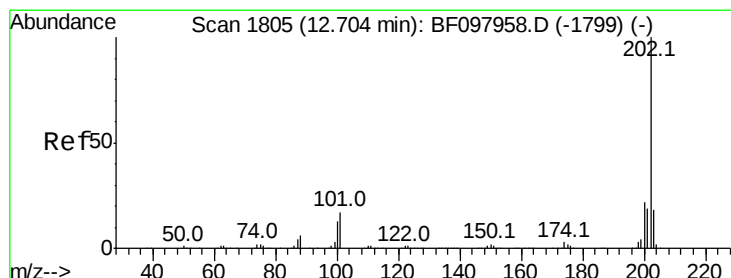
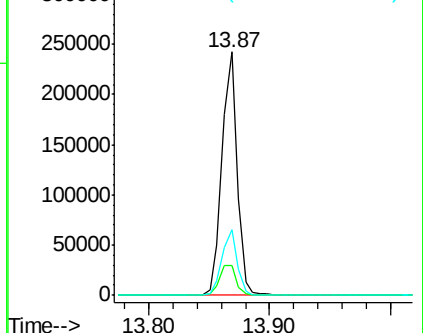
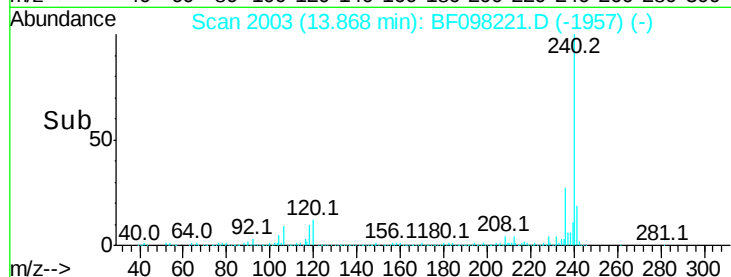
236 27.2 20.5 30.7



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

Pyrene

Concen: 5.940 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.04 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

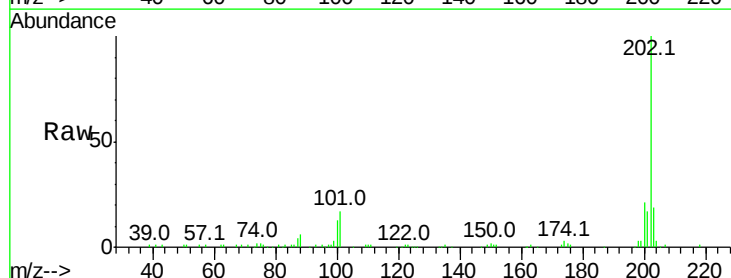
Tgt Ion:202 Resp: 102594

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

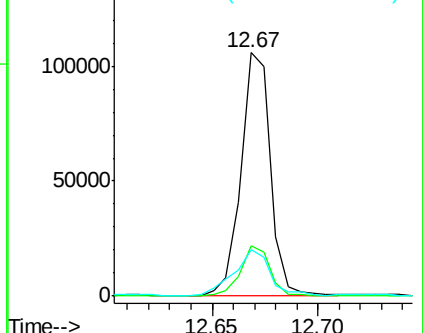
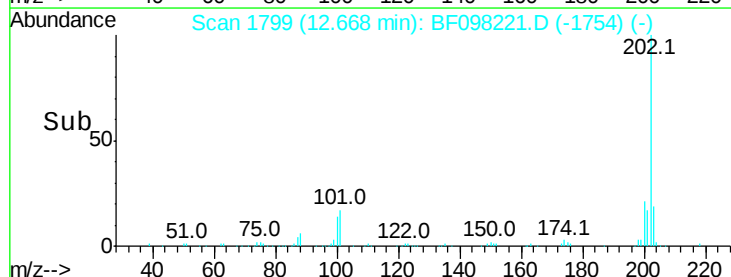
203 18.9 14.4 21.6

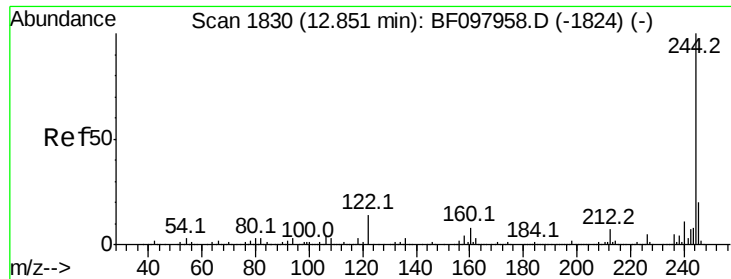


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

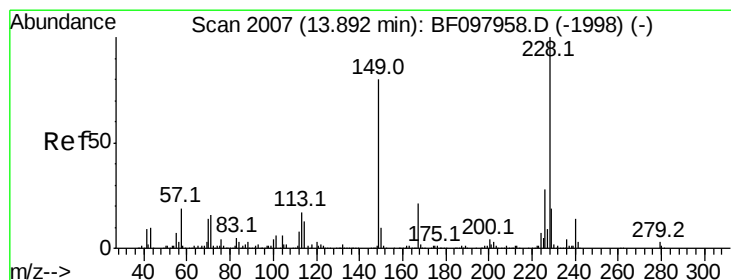
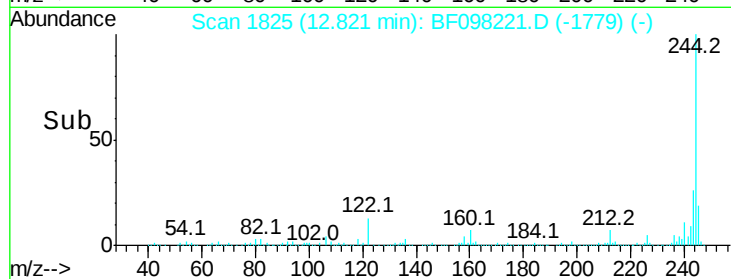
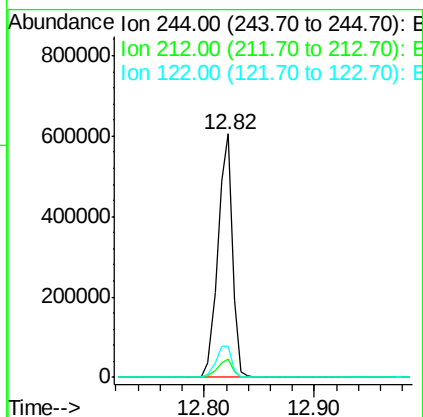
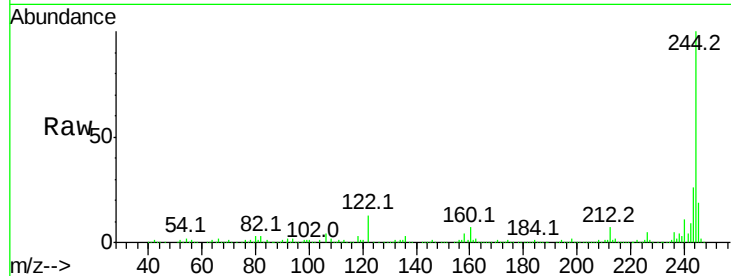




#78
 Terphenyl-d14
 Concen: 54.355 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

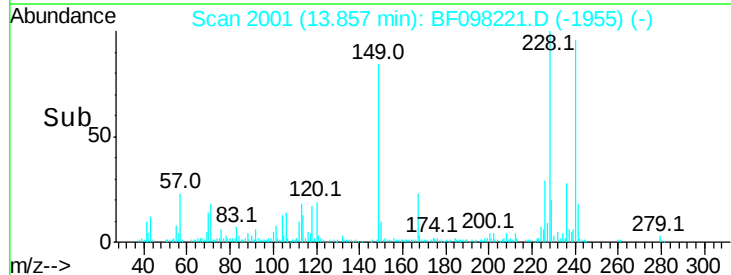
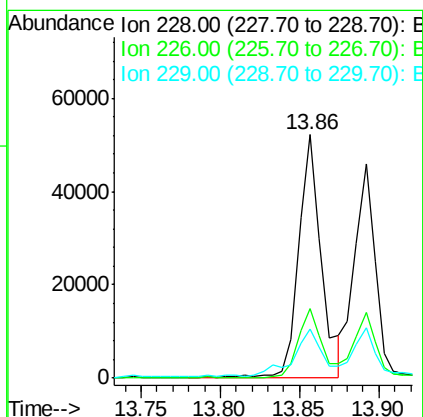
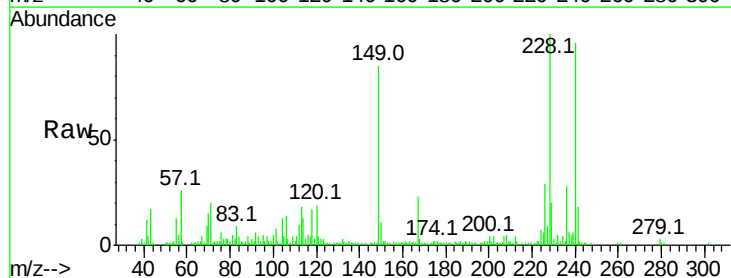
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

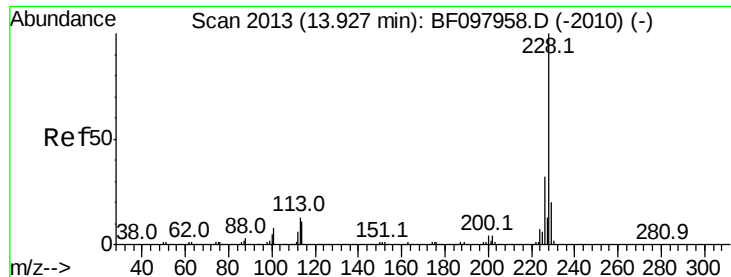
Tot Ion:244 Resp: 550463
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.117 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.03 min
 Lab File: BF098221.D
 Acq: 1 Sep 2017 12:46

Tgt Ion:228 Resp: 52113
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 20.3 16.3 24.5





#82

Chrysene

Concen: 4.139 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

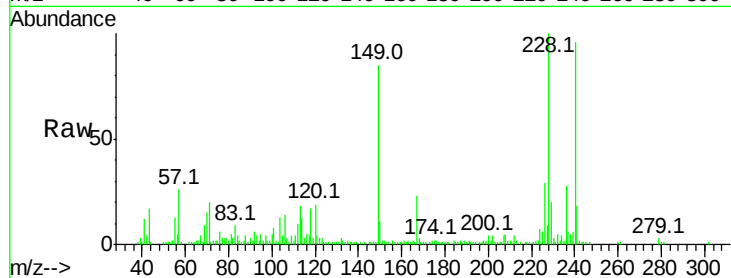
Tot Ion:228 Resp: 52113

Ion Ratio Lower Upper

228 100

226 28.5 24.9 37.3

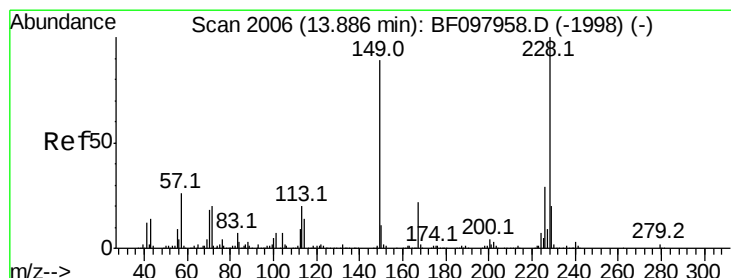
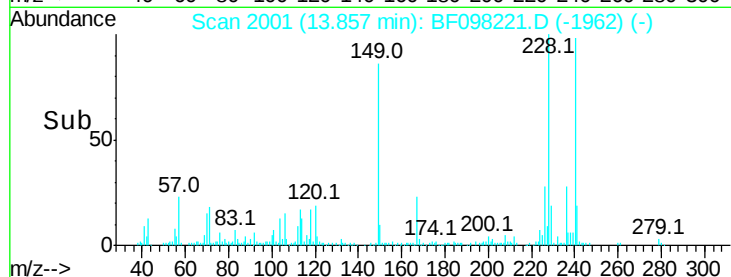
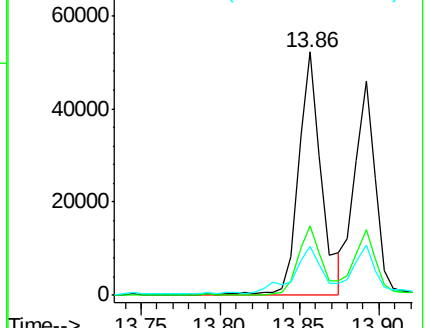
229 20.3 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.623 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098221.D

Acq: 1 Sep 2017 12:46

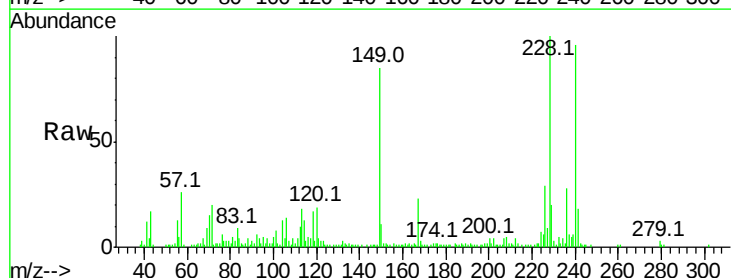
Tgt Ion:149 Resp: 41266

Ion Ratio Lower Upper

149 100

167 26.4 21.0 31.4

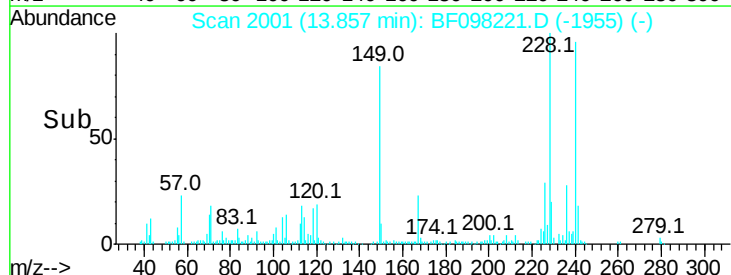
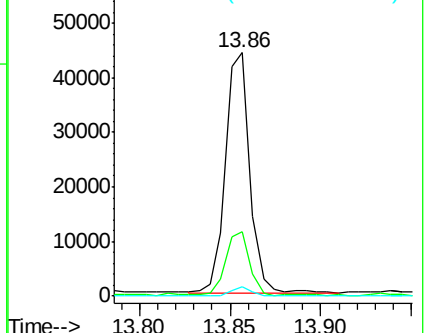
279 3.9 1.9 2.9#

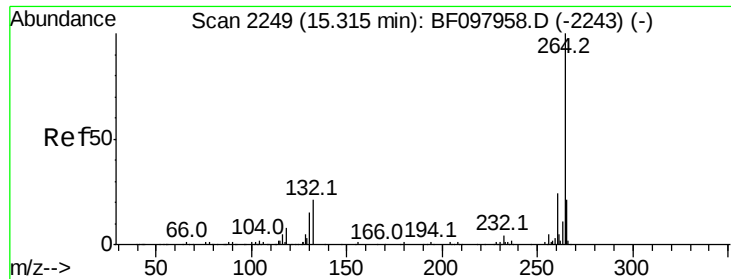


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

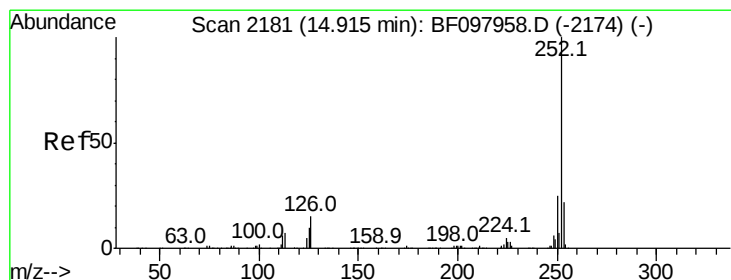
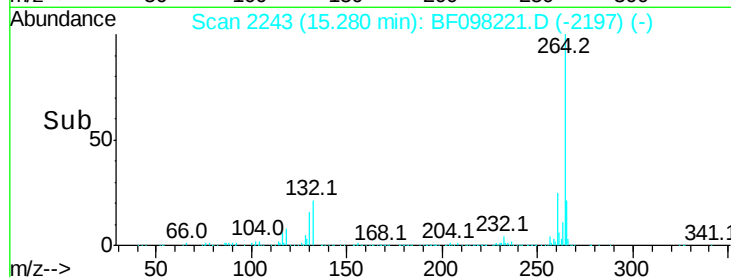
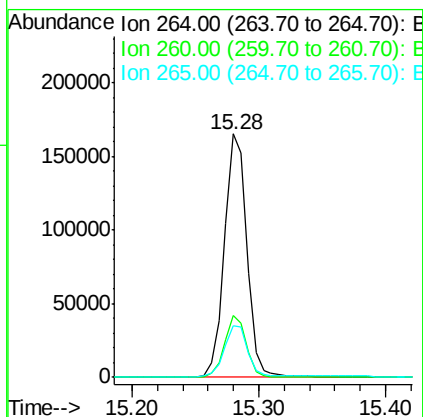
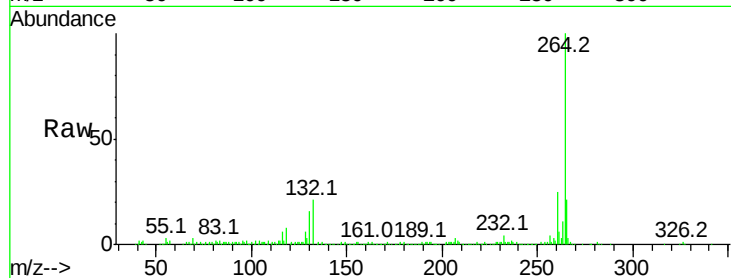




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.03 min
Lab File: BF098221.D
Acq: 1 Sep 2017 12:46

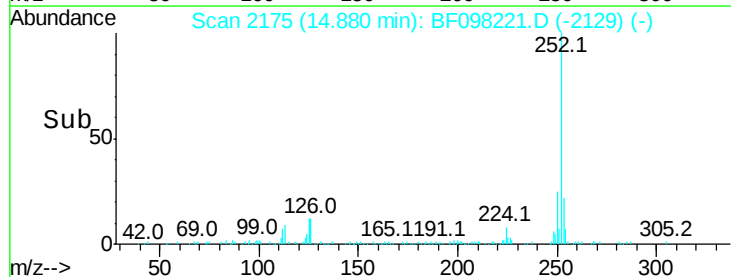
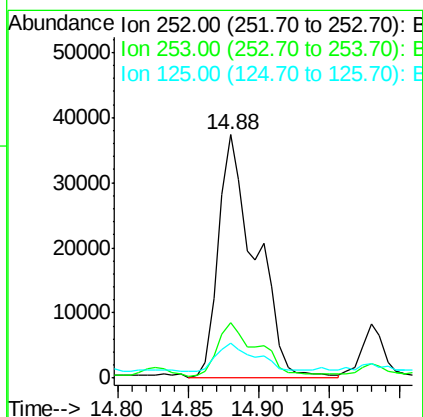
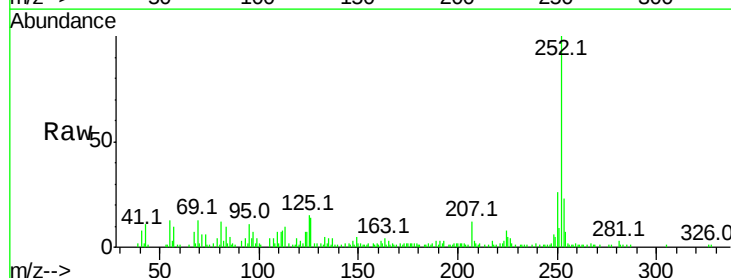
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

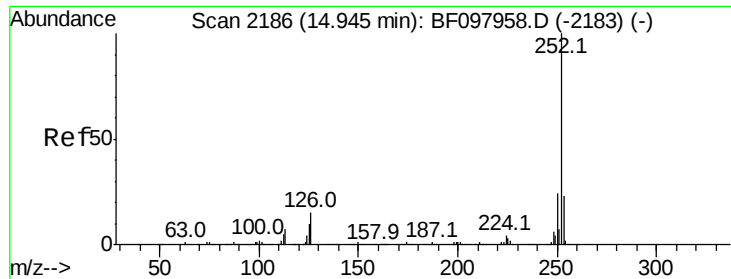
Tot Ion:264 Resp: 202934
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.367 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF098221.D
Acq: 1 Sep 2017 12:46

Tgt Ion:252 Resp: 68649
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 14.6 9.8 14.8

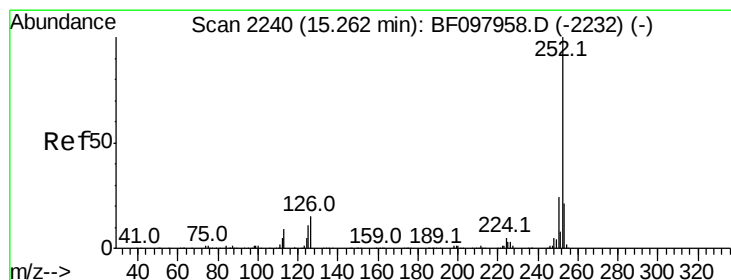
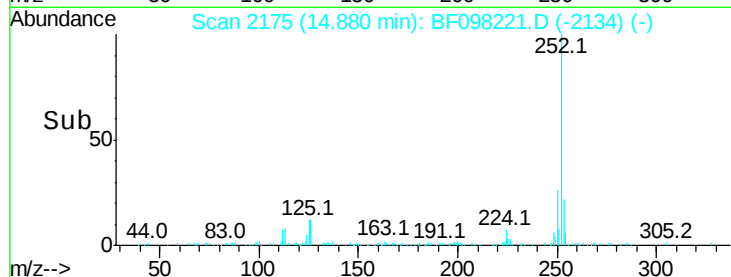
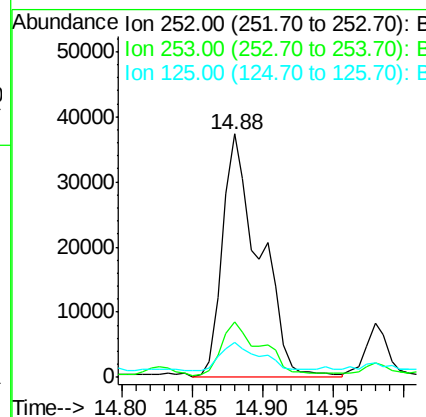
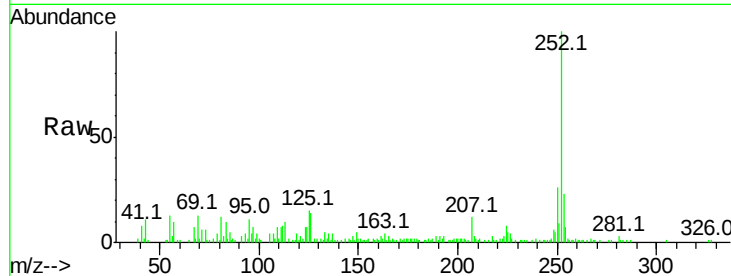




#88
Benzo(k)fluoranthene
Concen: 5.712 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.06 min
Lab File: BF098221.D
Acq: 1 Sep 2017 12:46

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	14.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.425 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098221.D
Acq: 1 Sep 2017 12:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	14.2	11.0	16.4

