

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF08156.D
 Acq On : 30 Aug 2017 13:31
 Operator : SJ/JU
 Sample : I4979-05DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 14:09:32 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	6.73	152	104589	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	412698	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	174580	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	266067	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	218455	20.00	ng	-0.02
86) Perylene-d12	15.30	264	198905	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	168137	24.45	ng	-0.02
7) Phenol-d6	6.36	99	227151	24.31	ng	-0.02
23) Nitrobenzene-d5	7.29	82	130273	17.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	25895	17.10	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	182867	15.39	ng	-0.02
78) Terphenyl-d14	12.83	244	99272	9.48	ng	-0.02

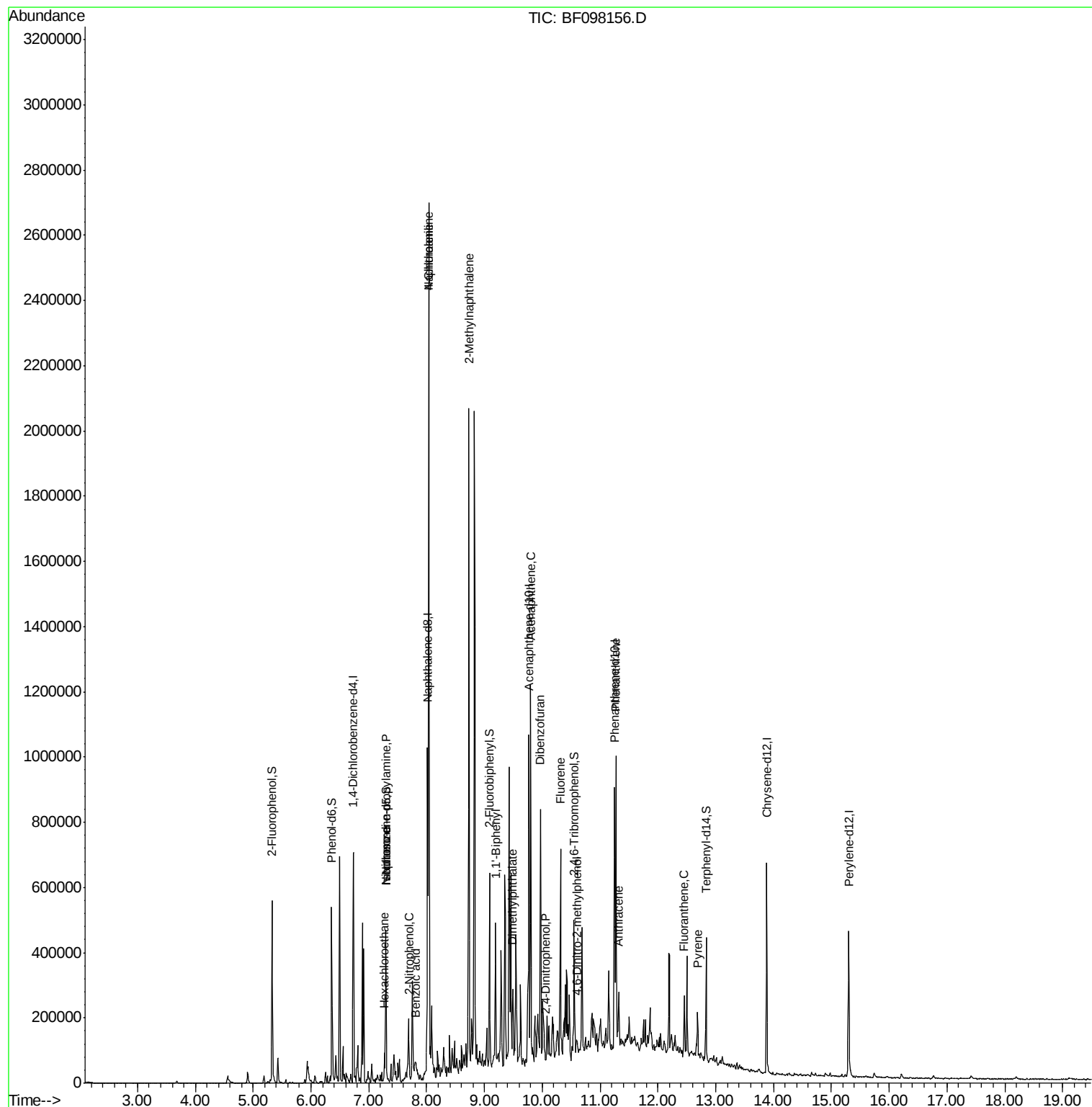
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.27	117	6270	2.016	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	17876	2.795	ng	# 72
25) Isophorone	7.29	82	129907	8.224	ng	# 67
26) 2-Nitrophenol	7.70	139	267	5.335	ng	# 1
31) Naphthalene	8.04	128	1067345	49.817	ng	99
32) Benzoic acid	7.81	122	4611	7.237	ng	# 36
33) 4-Chloroaniline	8.04	127	146367	16.198	ng	# 32
37) 2-Methylnaphthalene	8.73	142	576973	43.924	ng	99
45) 1,1'-Biphenyl	9.19	154	111252	6.988	ng	95
49) Dimethylphthalate	9.49	163	51126	4.006	ng	99
51) Acenaphthene	9.80	154	228544	19.617	ng	99
53) 2,4-Dinitrophenol	10.06	184	139	10.242	ng	# 4
54) Dibenzofuran	9.97	168	249595	15.986	ng	97
57) Fluorene	10.32	166	164323	13.612	ng	96
64) 4,6-Dinitro-2-methylphenol	10.59	198	612	8.724	ng	# 1
70) Phenanthrene	11.27	178	286289	20.193	ng	100
71) Anthracene	11.32	178	58570	4.073	ng	96
74) Fluoranthene	12.46	202	63114	4.265	ng	99
77) Pvrene	12.69	202	49355	2.762	ng	97

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

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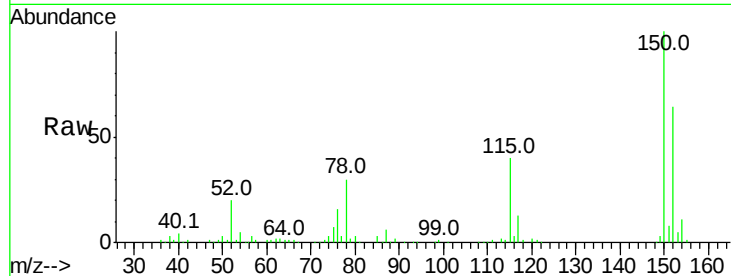


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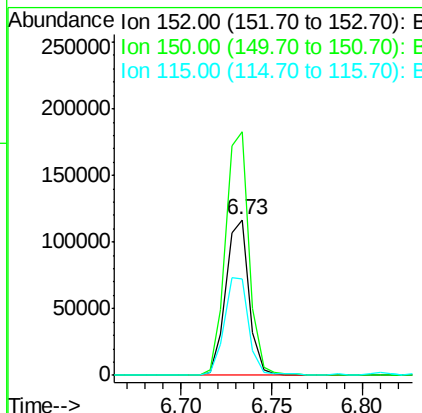
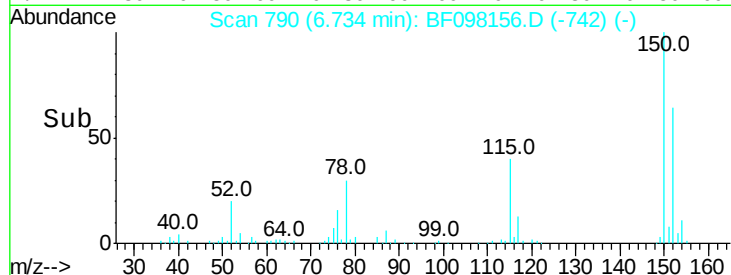
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104589
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 62.1 52.2 78.2



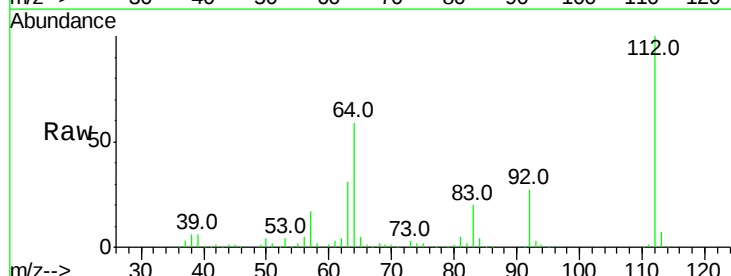
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



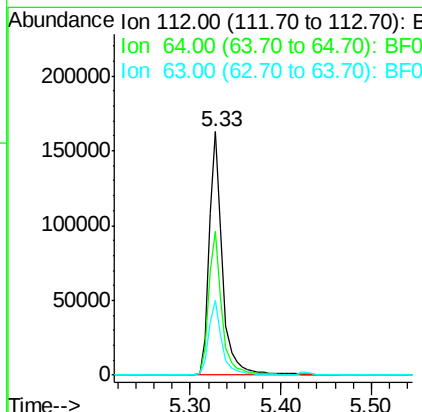
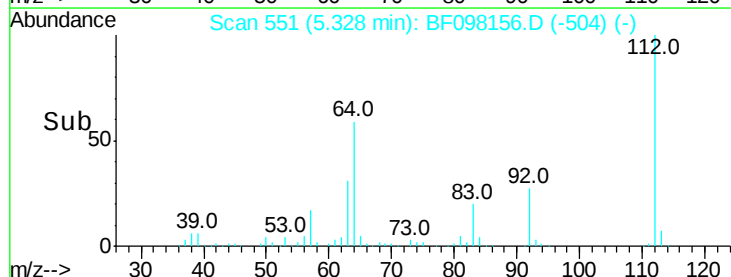
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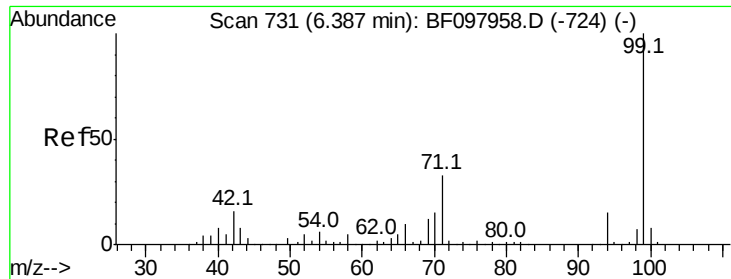
2-Fluorophenol
Concen: 24.453 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Tgt Ion:112 Resp: 168137
Ion Ratio Lower Upper
112 100
64 58.8 46.0 69.0
63 30.6 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: 24.314 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampleId :

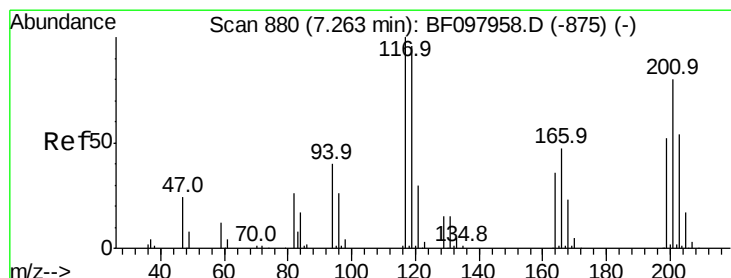
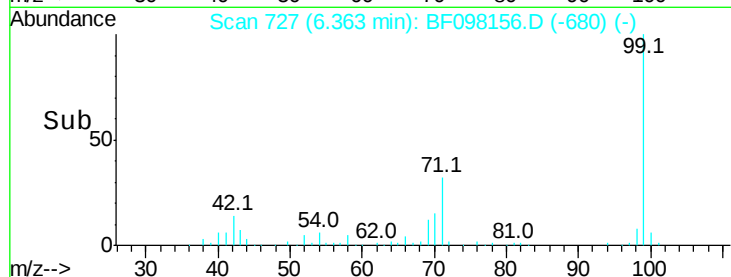
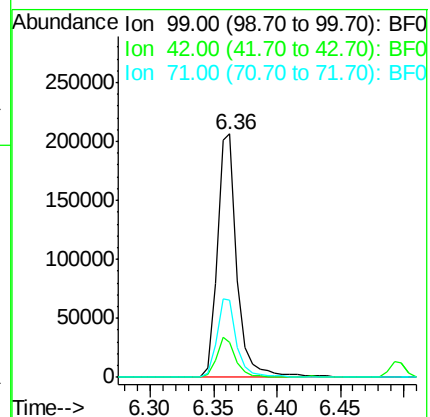
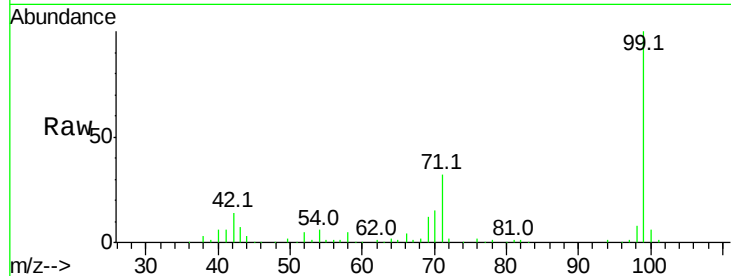
Tot Ion: 99 Resp: 227151

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

71 31.8 24.5 36.7



#18

Hexachloroethane

Concen: 2.016 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

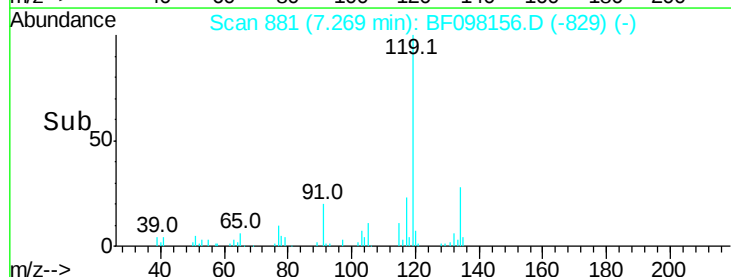
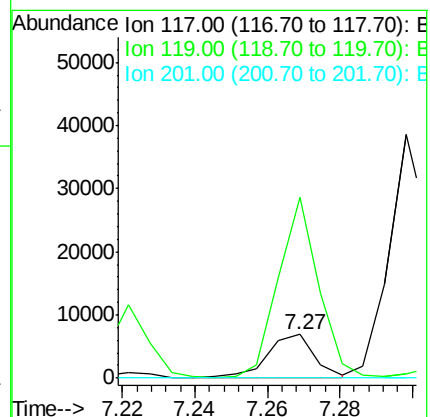
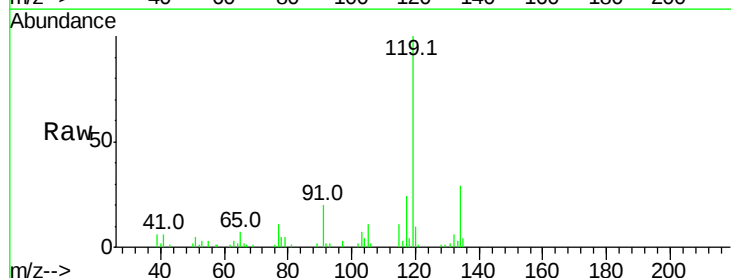
Tgt Ion: 117 Resp: 6270

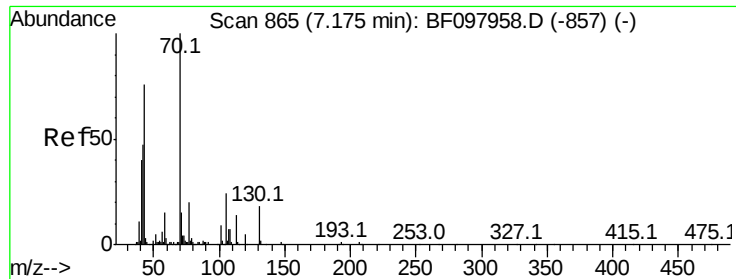
Ion Ratio Lower Upper

117 100

119 416.8 77.4 116.0#

201 0.0 94.6 141.8#

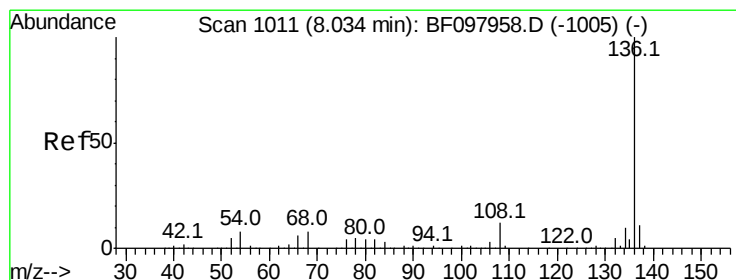
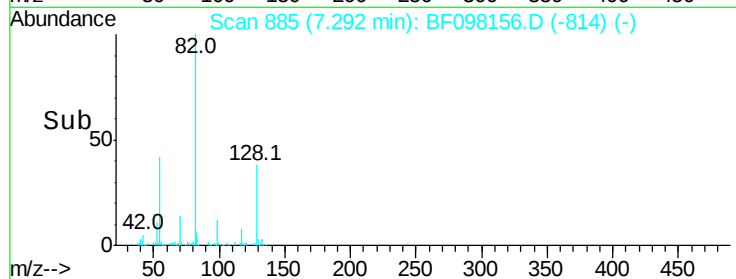
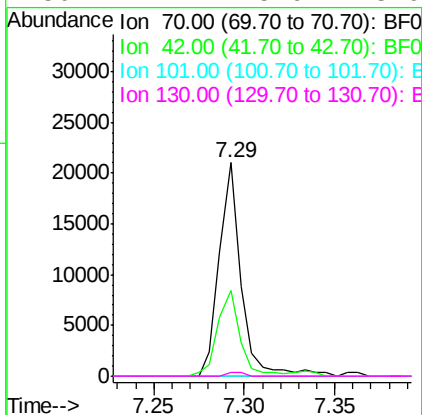
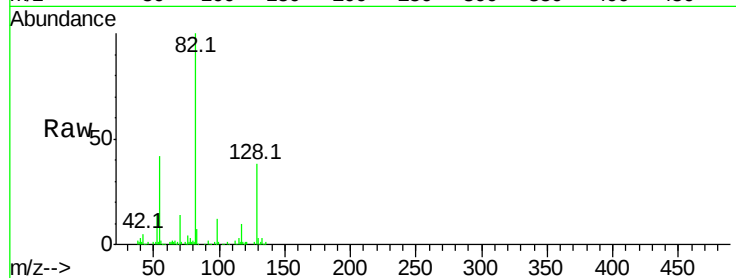




#19
n-Nitroso-di-n-propylamine
Concen: 2.795 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.12 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

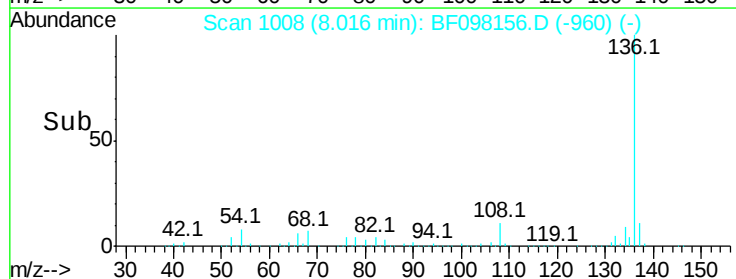
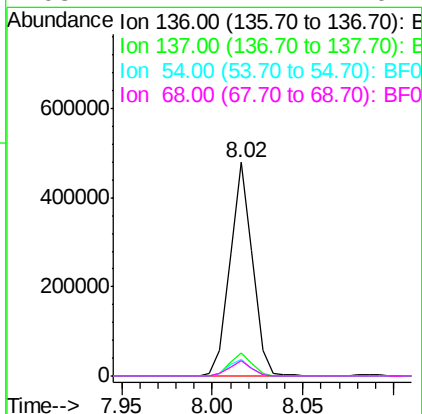
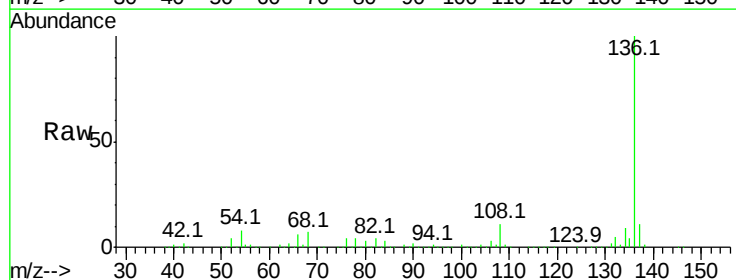
Instrument :
BNA_F
ClientSampleId :

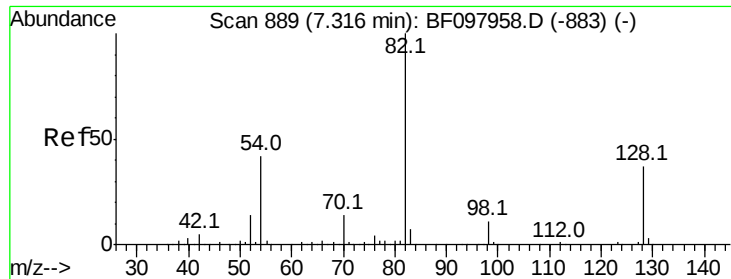
Tot Ion: 70 Resp: 17876
Ion Ratio Lower Upper
70 100
42 40.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Tgt Ion: 136 Resp: 412698
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.6 4.9 7.3#
68 7.2 4.1 6.1#

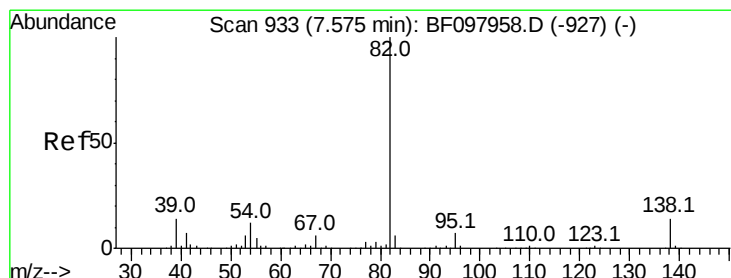
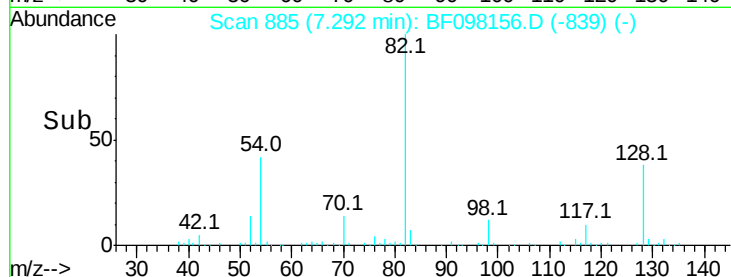
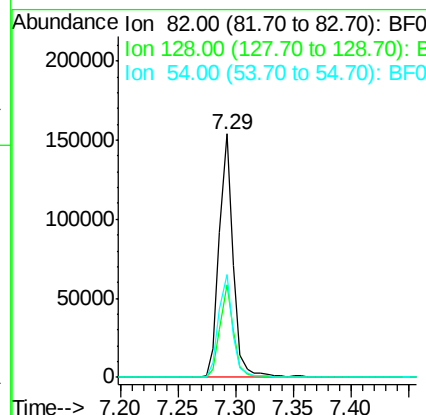
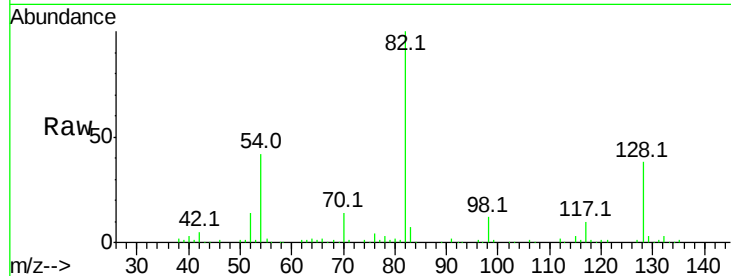




#23
 Nitrobenzene-d5
 Concen: 17.148 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

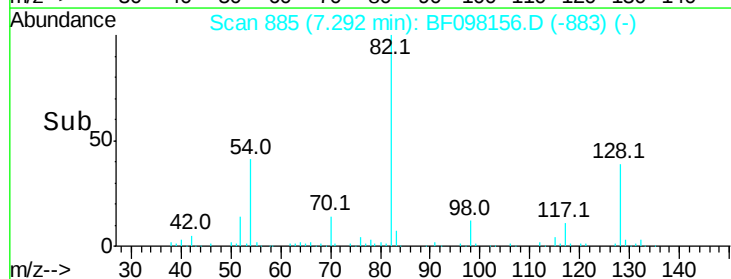
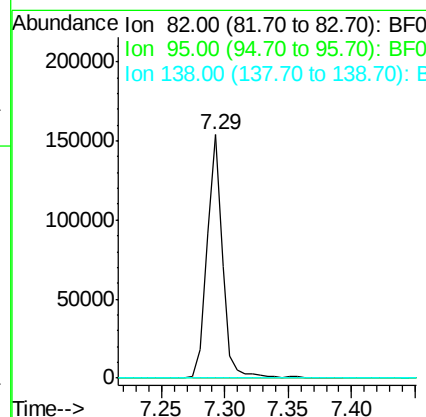
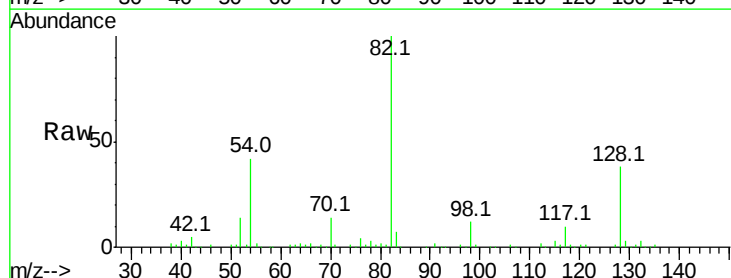
Instrument :
 BNA_F
 ClientSampled :

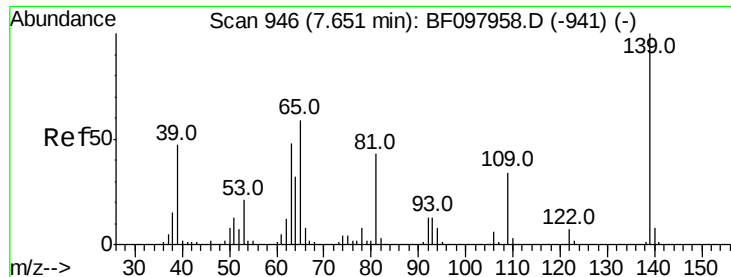
Tot Ion	82	Resp	130273
Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.0	51.0
54	42.2	42.2	63.2



#25
 Isophorone
 Concen: 8.224 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.29 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion	82	Resp	129907
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

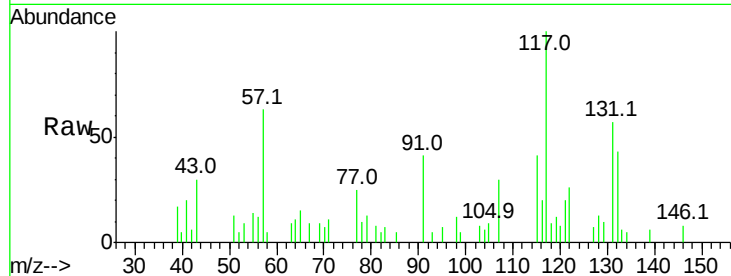




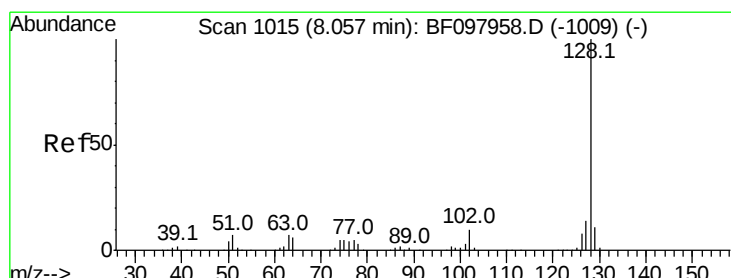
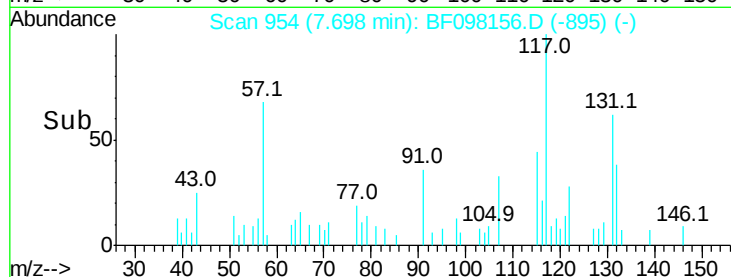
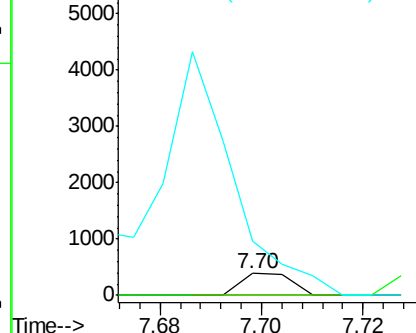
#26
 2-Nitrophenol
 Concen: 5.335 ng
 RT: 7.70 min Scan# 954
 Delta R.T. 0.05 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	21.0	31.6#
65	251.6	33.0	49.6#

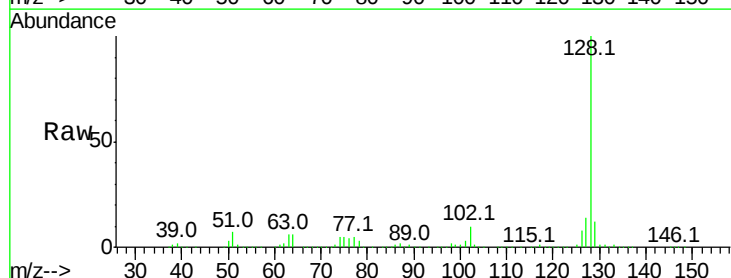


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

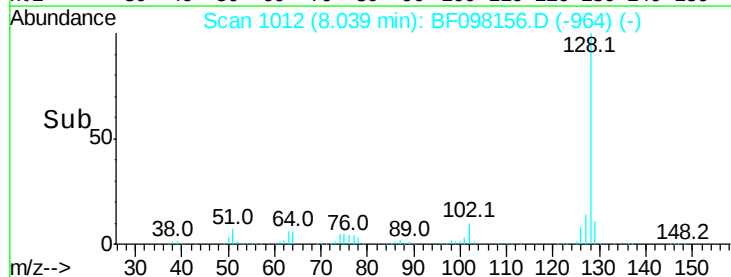
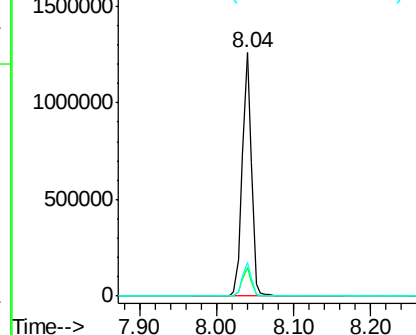


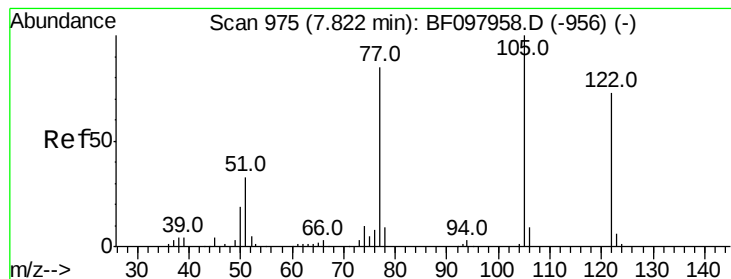
#31
 Naphthalene
 Concen: 49.817 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.8	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: 7.237 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampleId :

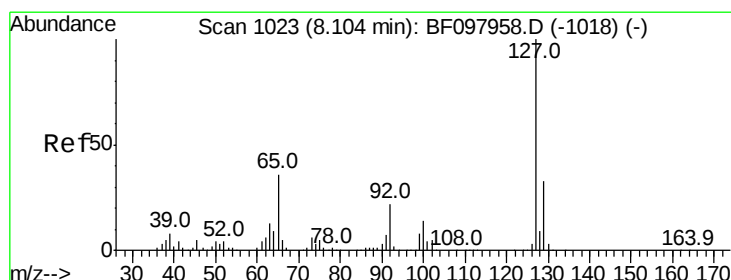
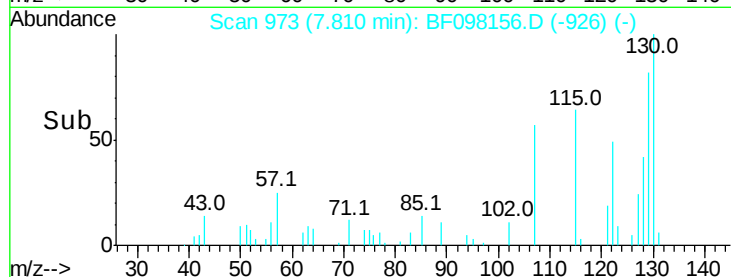
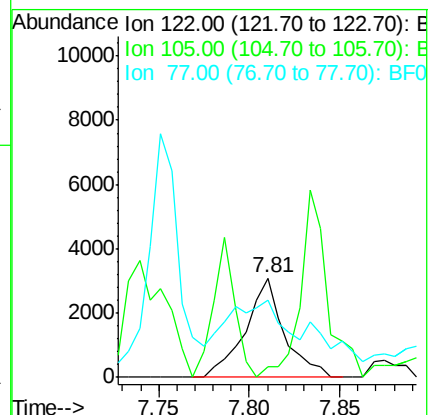
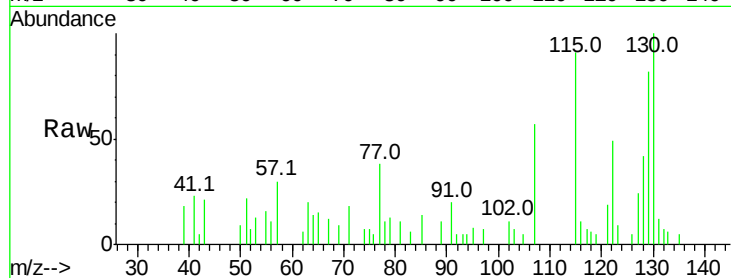
Tot Ion:122 Resp: 4611

Ion Ratio Lower Upper

122 100

105 10.1 103.3 143.3#

77 77.8 73.7 113.7



#33

4-Chloroaniline

Concen: 16.198 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.06 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Tgt Ion:127 Resp: 146367

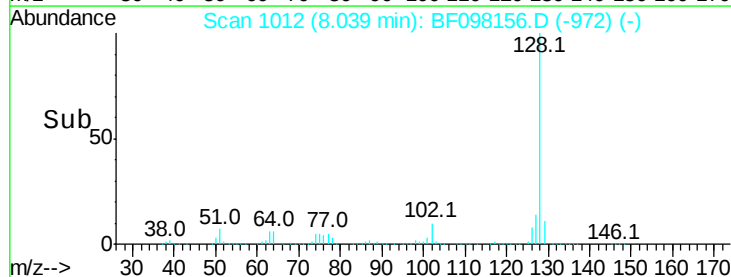
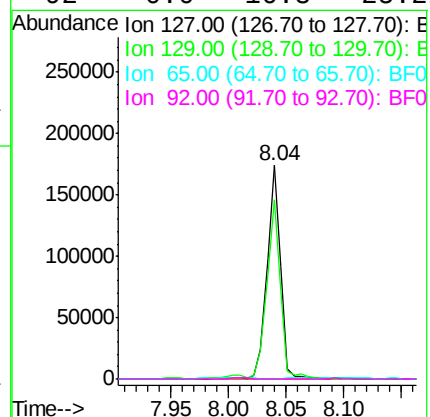
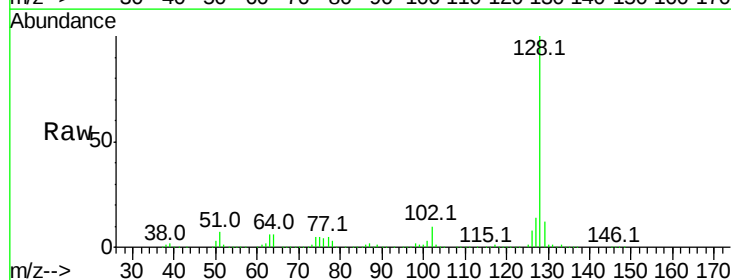
Ion Ratio Lower Upper

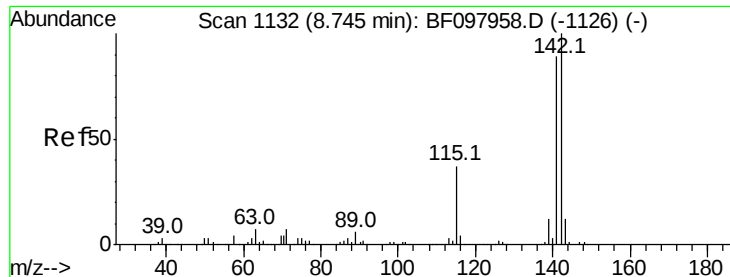
127 100

129 83.9 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

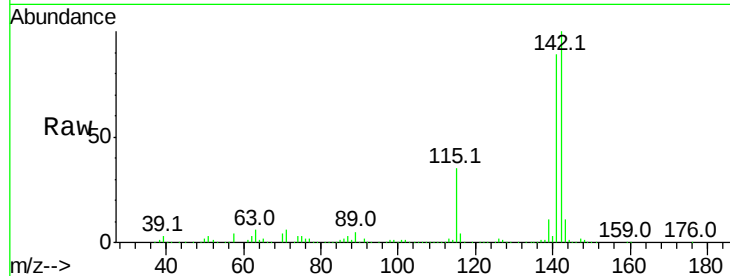




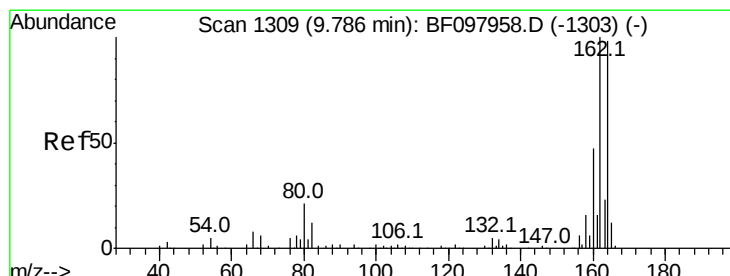
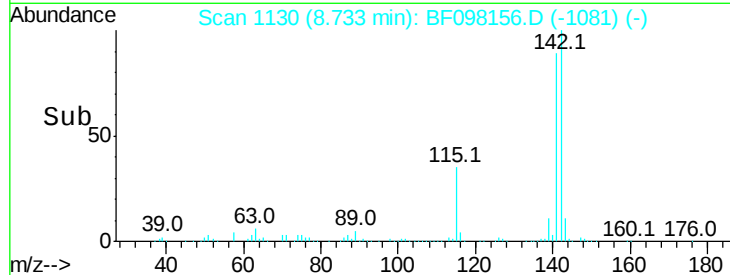
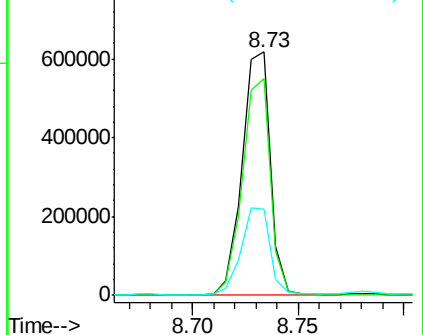
#37
 2-Methylnaphthalene
 Concen: 43.924 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	35.4	27.1	40.7

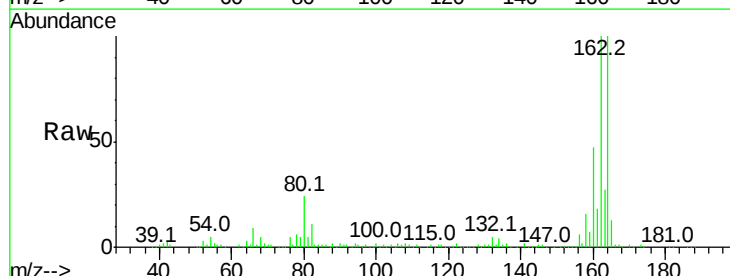


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

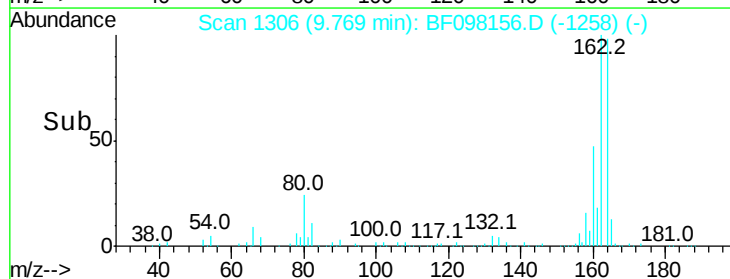
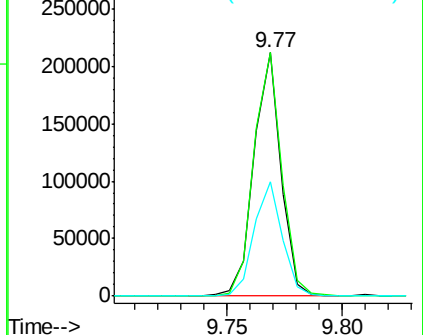


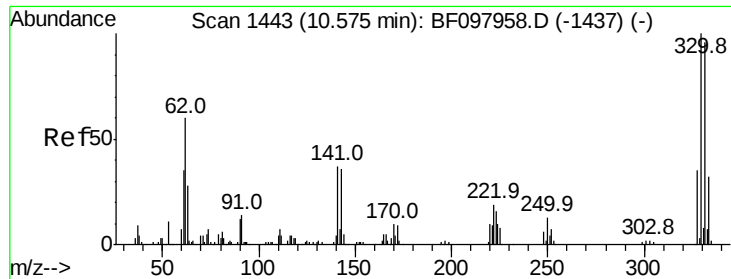
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.6	123.8
160	47.2	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

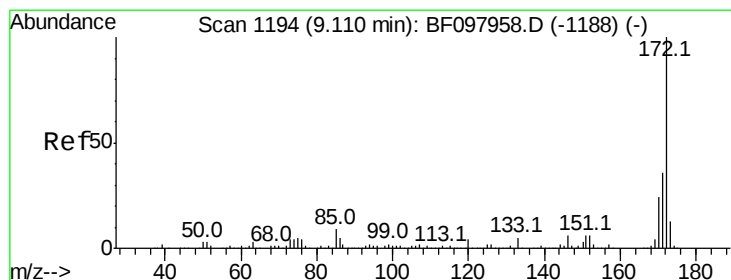
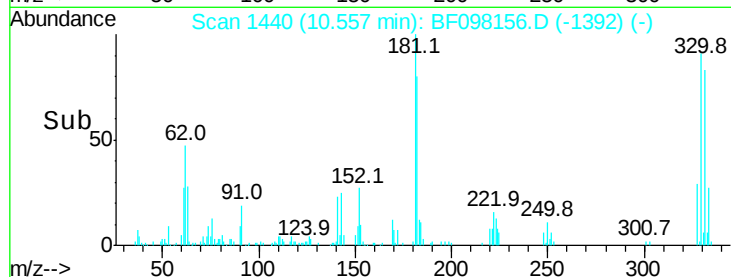
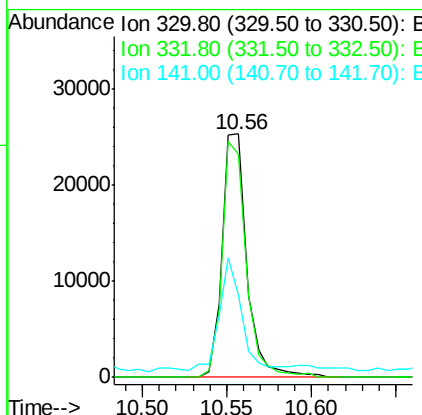
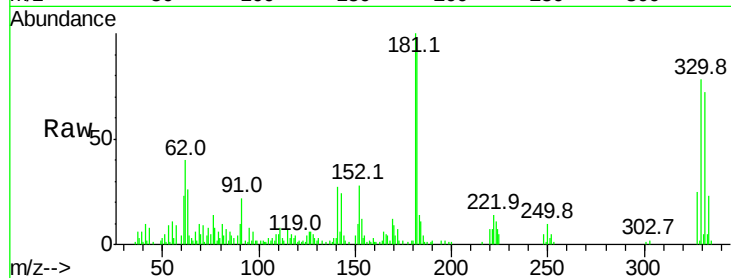




#41
 2,4,6-Tribromophenol
 Concen: 17.095 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

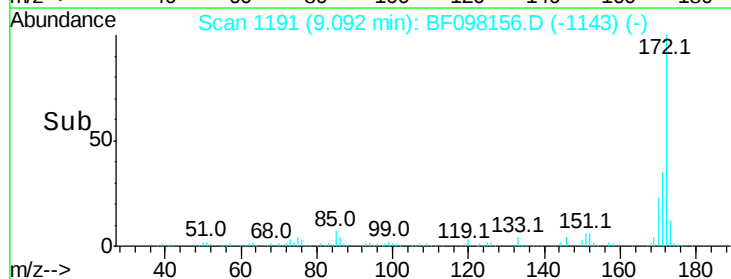
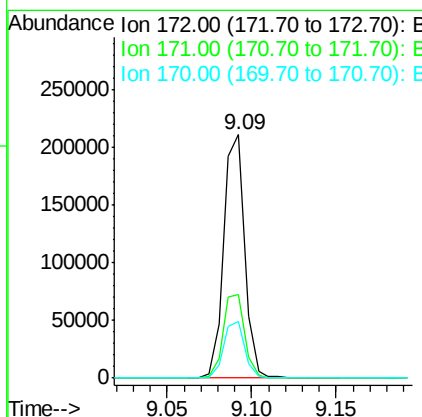
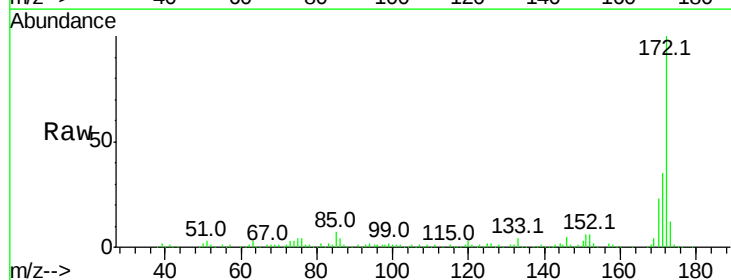
Instrument :
 BNA_F
 ClientSampleId :

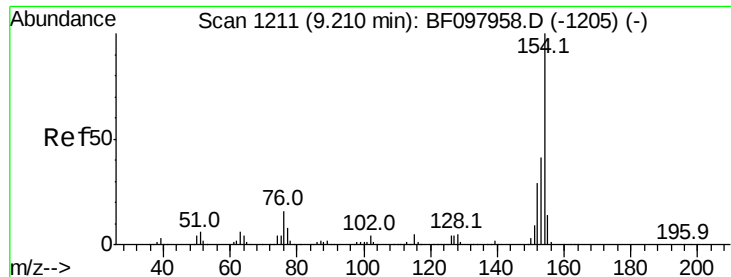
Tot Ion:330 Resp: 25895
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.6 115.0
 141 41.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 15.389 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion:172 Resp: 182867
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 23.2 19.8 29.8

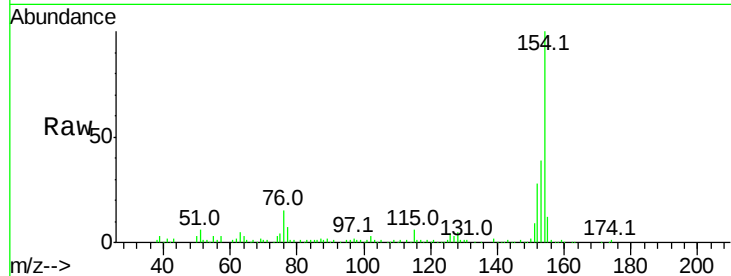




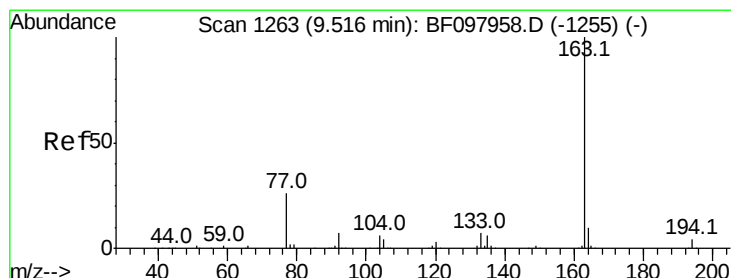
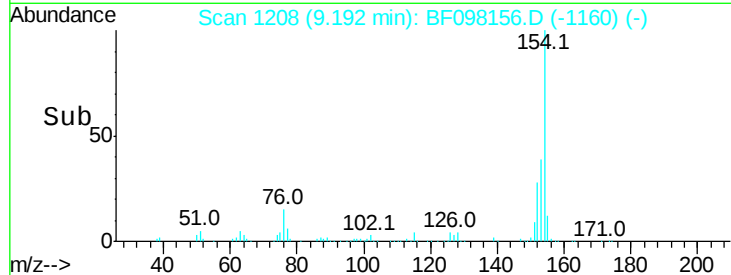
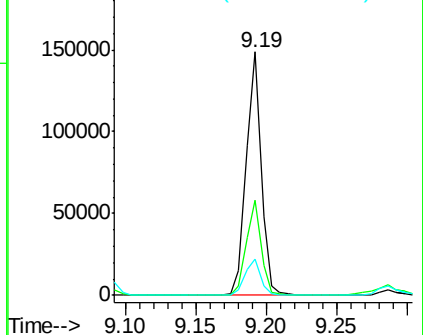
#45
 1,1'-Biphenyl
 Concen: 6.988 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 111252
 Ion Ratio Lower Upper
 154 100
 153 39.3 21.2 61.2
 76 14.8 0.0 29.9

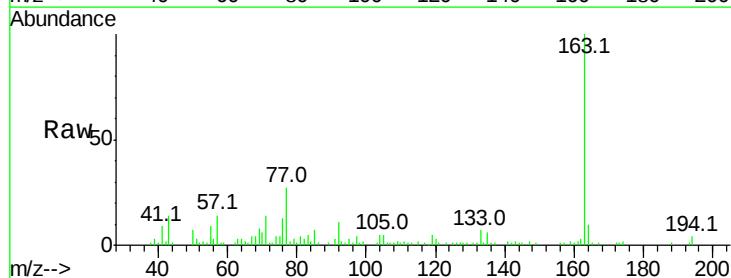


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

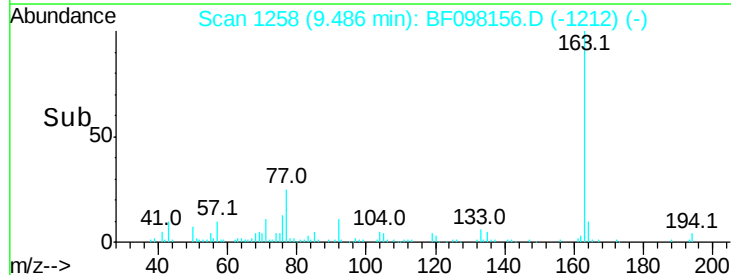
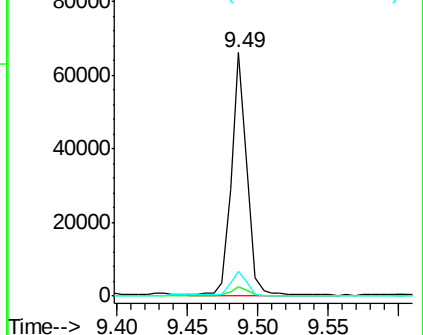


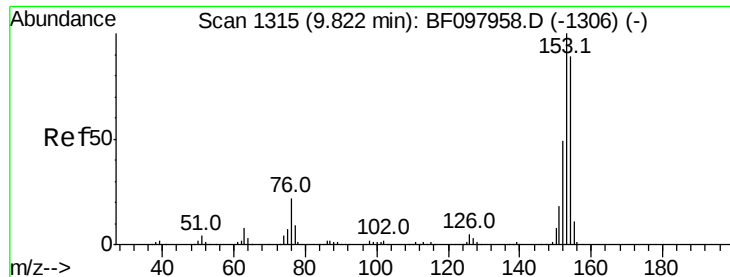
#49
 Dimethylphthalate
 Concen: 4.006 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion:163 Resp: 51126
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.6 4.0
 164 10.0 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





#51

Acenaphthene

Concen: 19.617 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampleId :

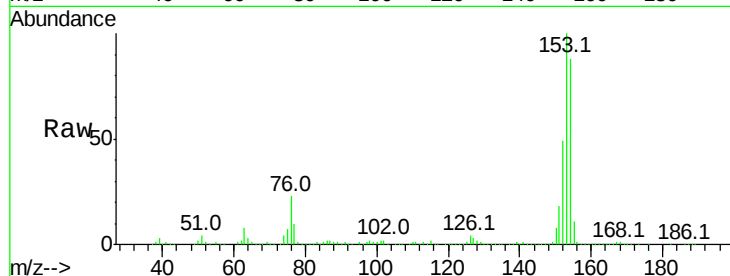
Tot Ion:154 Resp: 228544

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

152 55.5 43.6 65.4

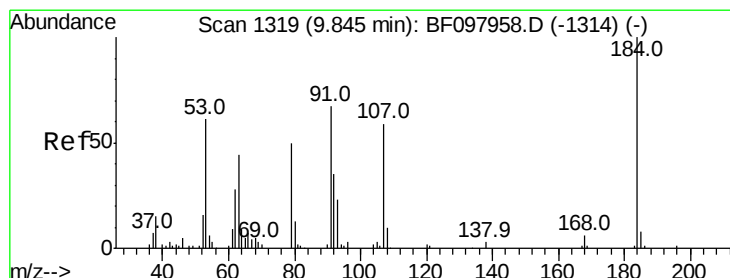
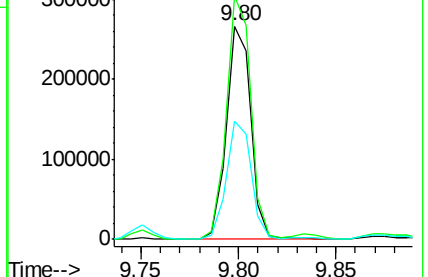
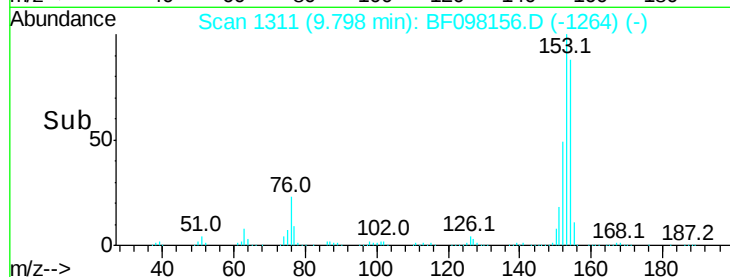


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



#53

2,4-Dinitrophenol

Concen: 10.242 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.22 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

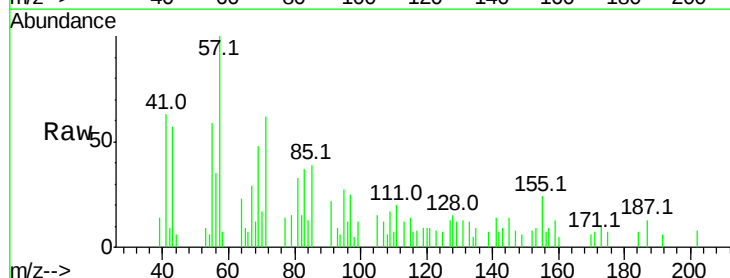
Tgt Ion:184 Resp: 139

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

154 0.0 81.1 121.7#

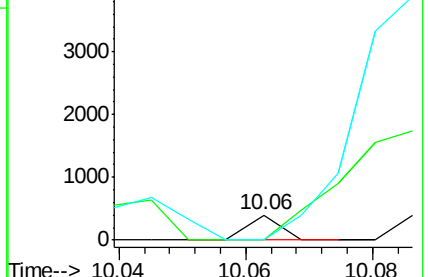
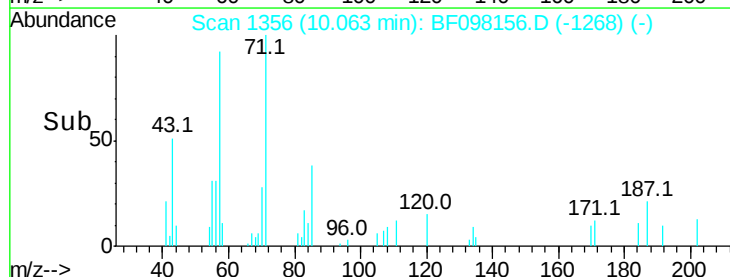


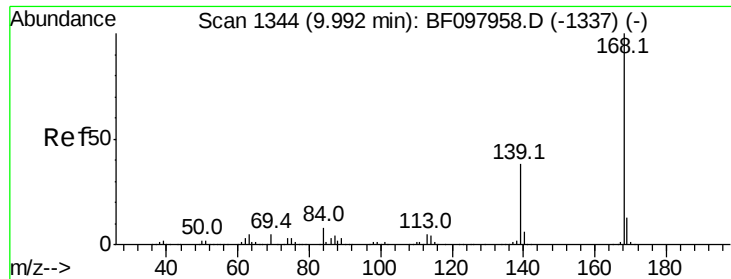
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

Time-->

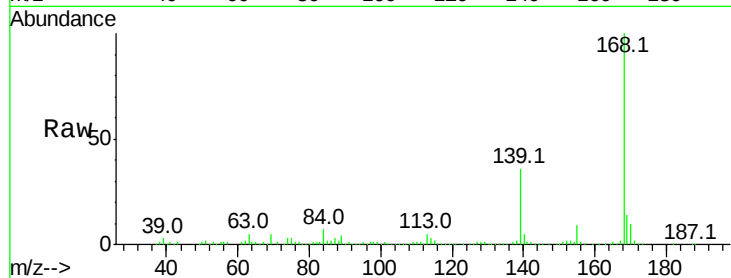




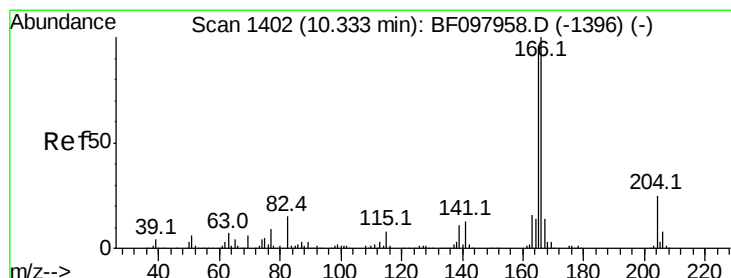
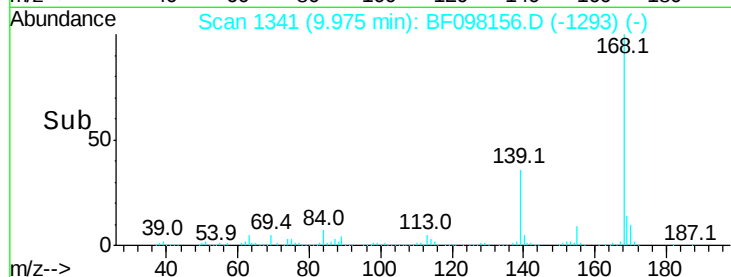
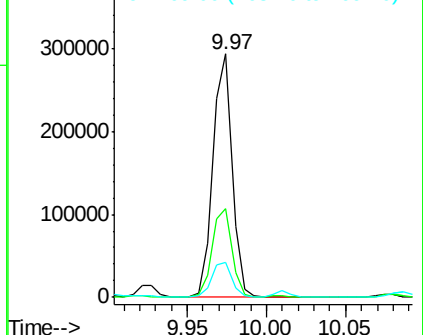
#54
Dibenzenofuran
Concen: 15.986 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.6	45.8
169	14.1	10.8	16.2

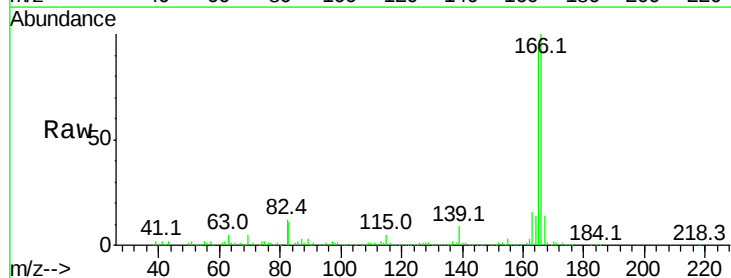


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

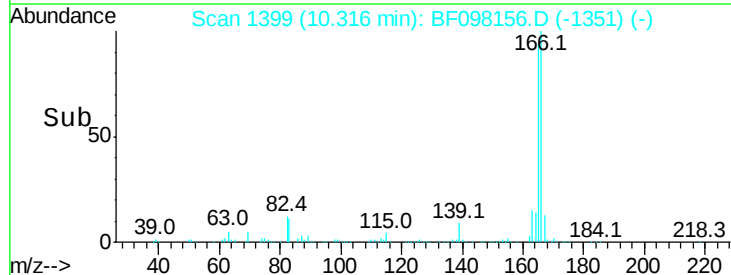
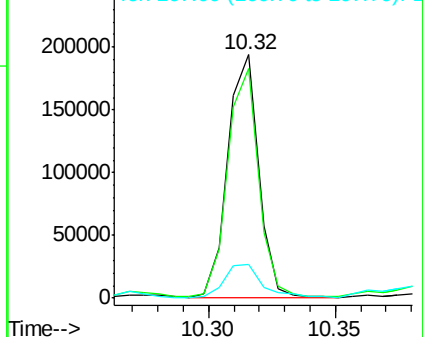


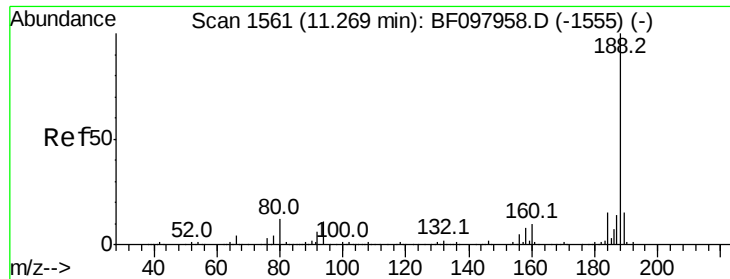
#57
Fluorene
Concen: 13.612 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.2	78.8	118.2
167	13.8	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

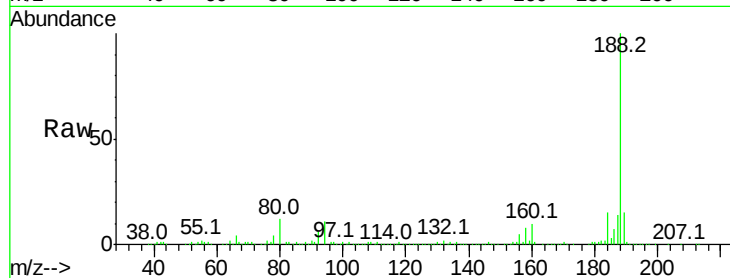




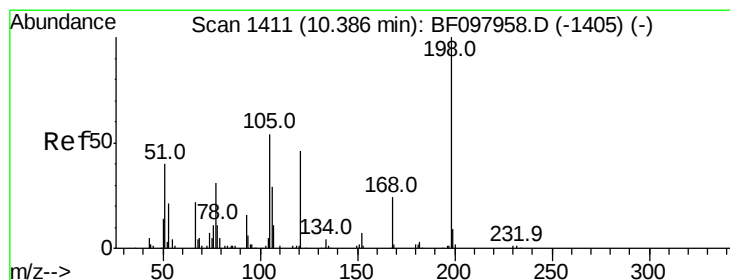
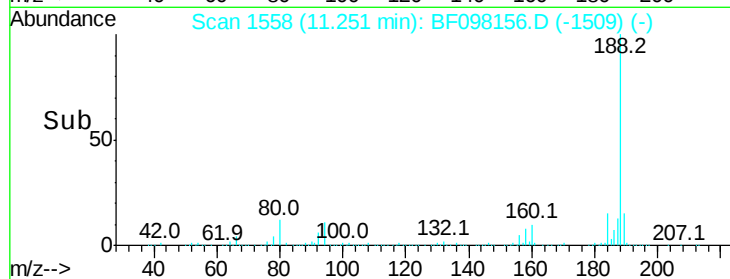
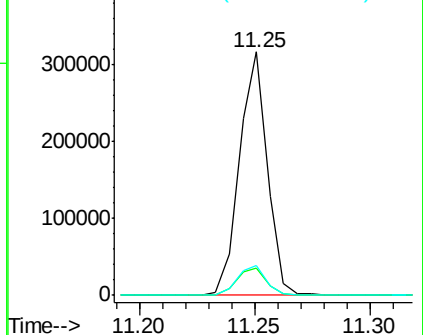
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 266067
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 12.1 10.2 15.2

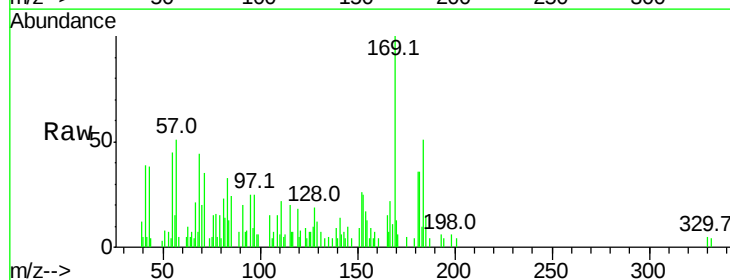


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

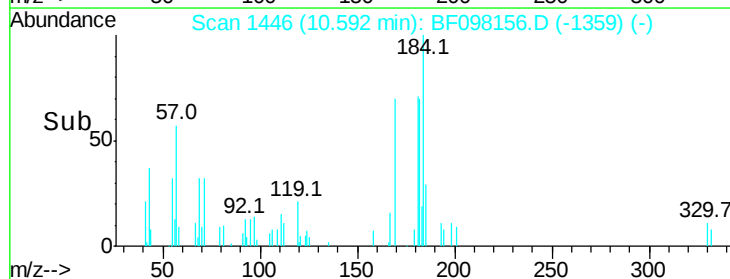
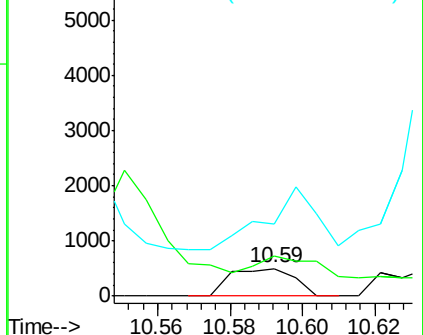


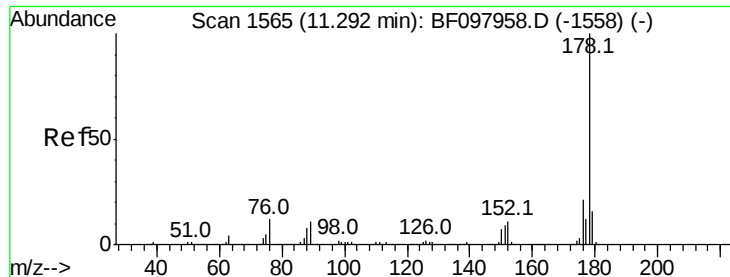
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.724 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.21 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Tgt Ion:198 Resp: 612
 Ion Ratio Lower Upper
 198 100
 51 148.1 53.2 93.2#
 105 262.4 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





#70

Phenanthrene

Concen: 20.193 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampled :

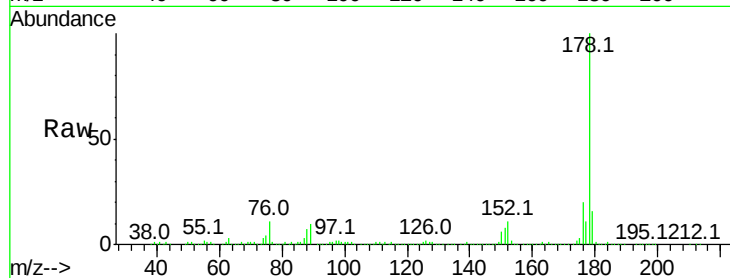
Tot Ion:178 Resp: 286289

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

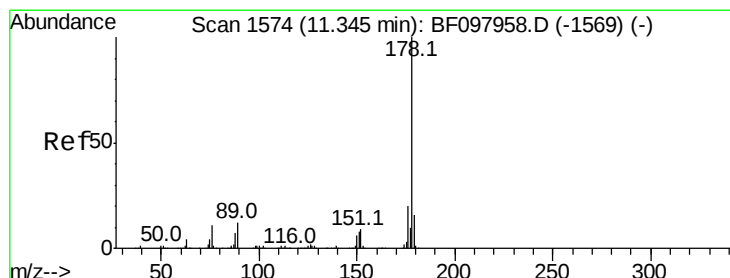
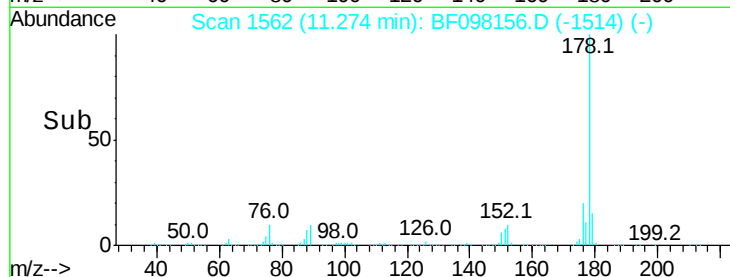
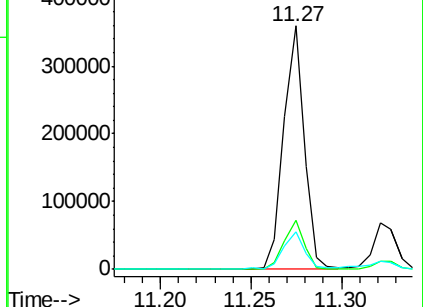
179 15.6 12.6 19.0



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: 4.073 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

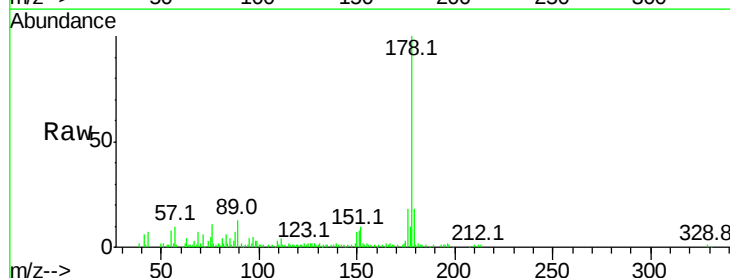
Tgt Ion:178 Resp: 58570

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

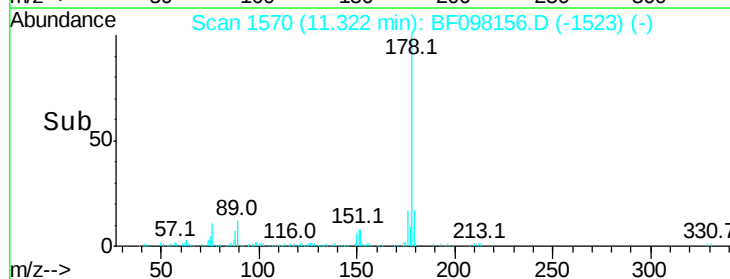
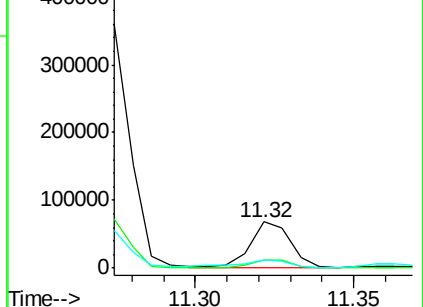
179 17.6 12.7 19.1

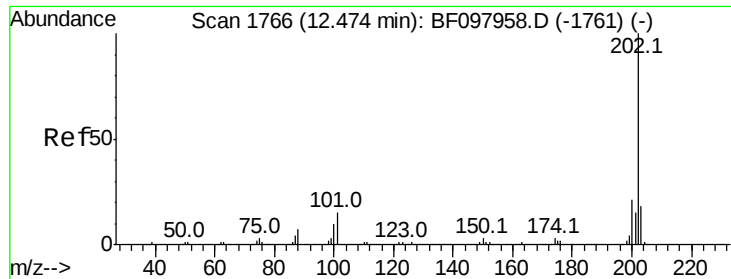


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.265 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampled :

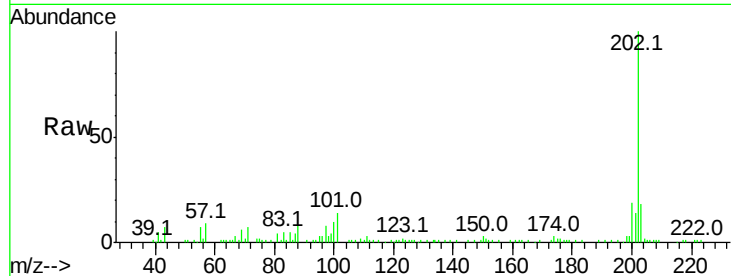
Tot Ion:202 Resp: 63114

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

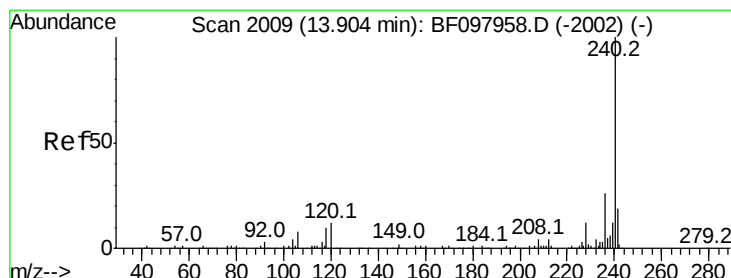
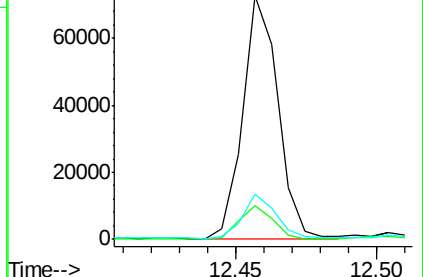
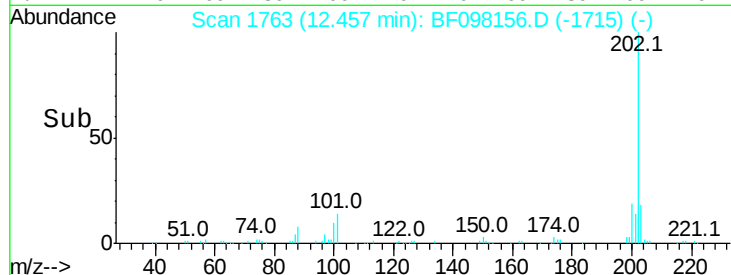
203 18.4 0.0 38.1



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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

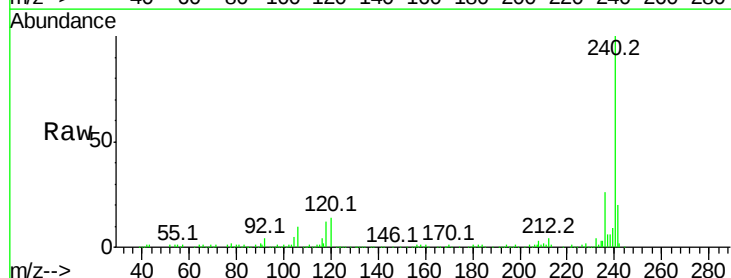
Tgt Ion:240 Resp: 218455

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

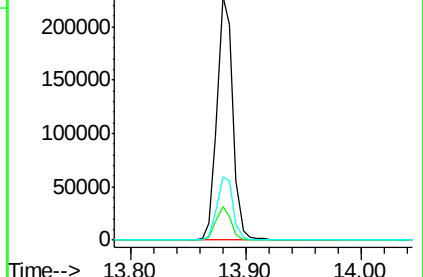
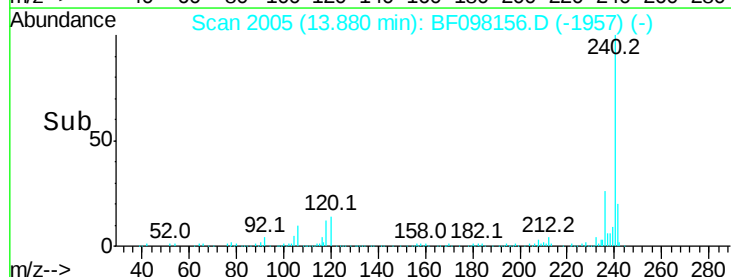
236 25.8 20.5 30.7

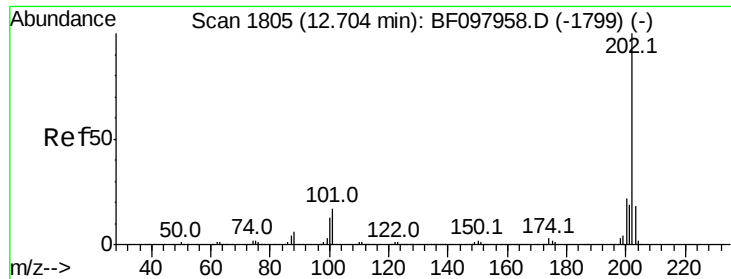


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.762 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

Instrument :

BNA_F

ClientSampleId :

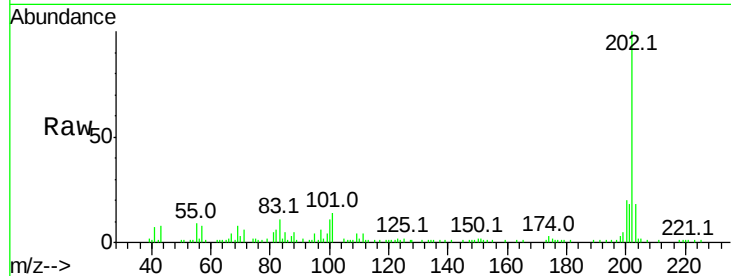
Tot Ion:202 Resp: 49355

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

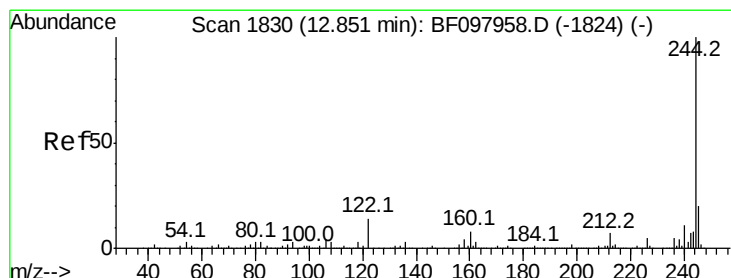
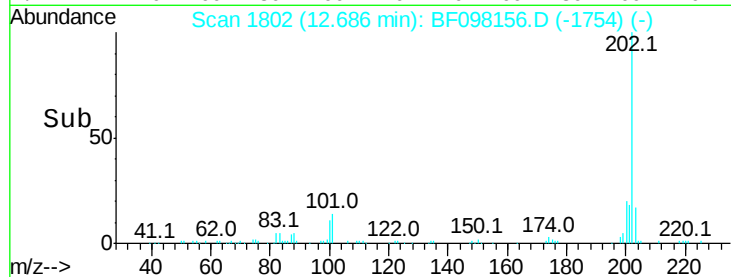
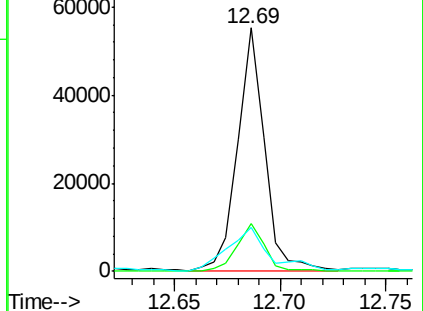
203 18.0 14.4 21.6



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: 9.476 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098156.D

Acq: 30 Aug 2017 13:31

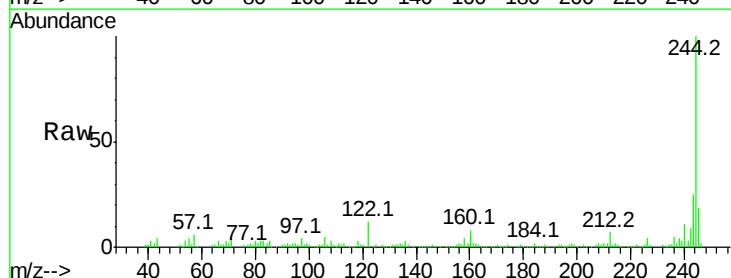
Tgt Ion:244 Resp: 99272

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

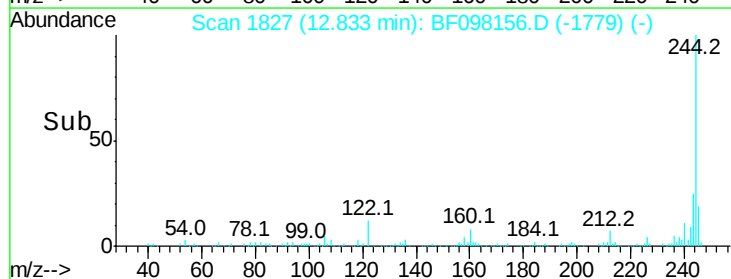
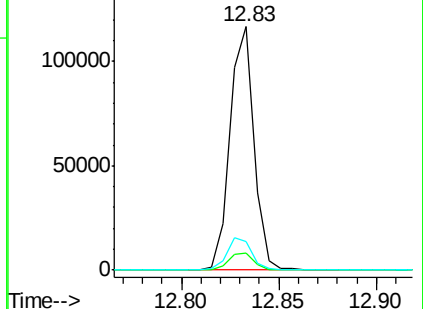
122 11.7 10.3 15.5

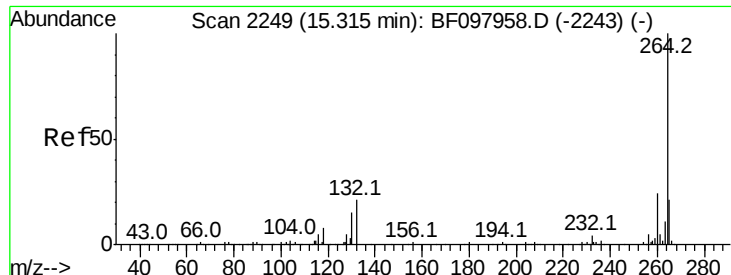


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

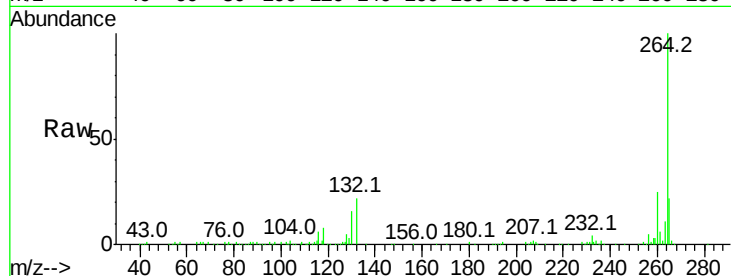




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.8	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

