

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098156.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 :
 TP-5DL

Quant Time: Aug 30 14:21:12 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

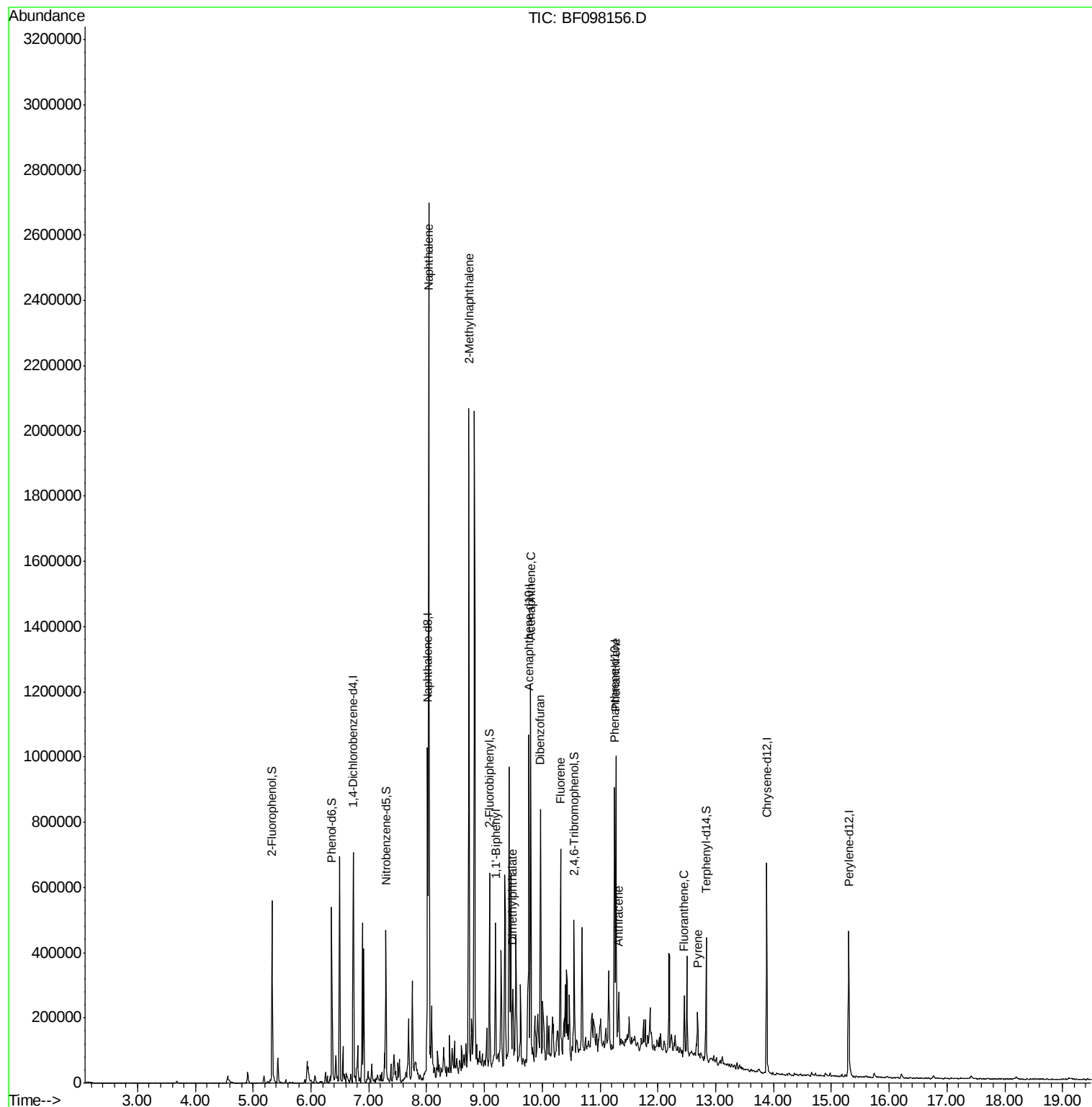
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.04	128	1067345	49.817	ng	99
37) 2-Methylnaphthalene	8.73	142	576973	43.924	ng	99
45) 1,1'-Biphenyl	9.19	154	111252	6.988	ng	95
49) Dimethylphthalate	9.49	163	51126	4.006	ng	99
51) Acenaphthene	9.80	154	228544	19.617	ng	99
54) Dibenzofuran	9.97	168	249595	15.986	ng	97
57) Fluorene	10.32	166	164323	13.612	ng	96
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) Pyrene	12.69	202	49355	2.762	ng	97

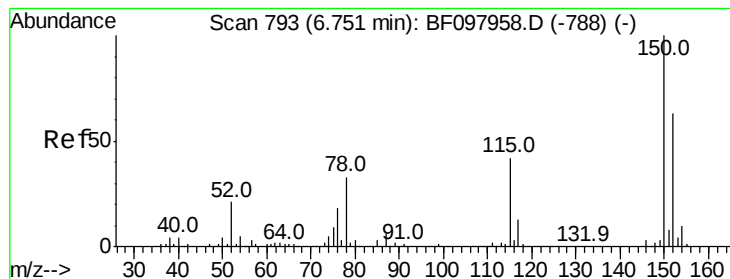
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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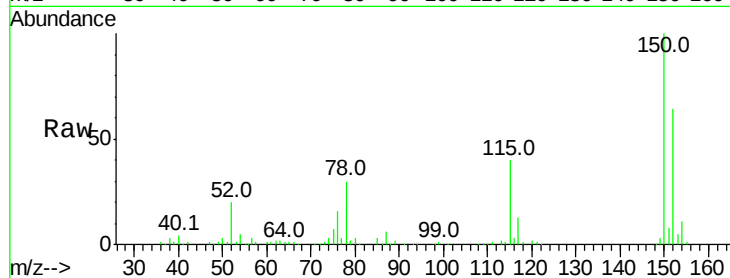


#1

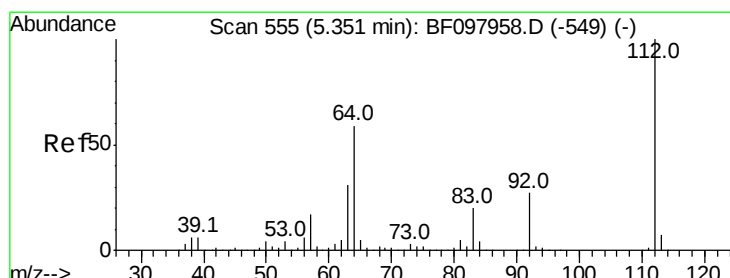
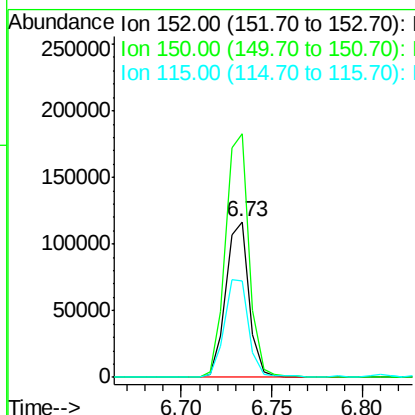
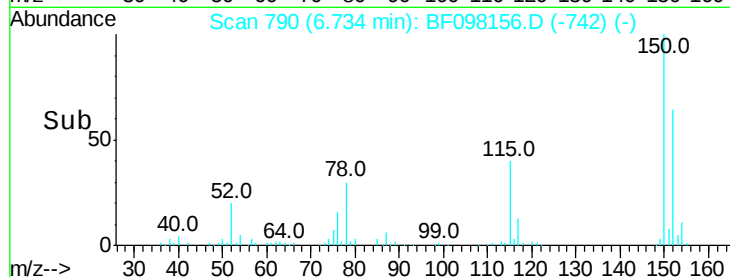
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

Instrument :
BNA_F
ClientSampled :
TP-5DL

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



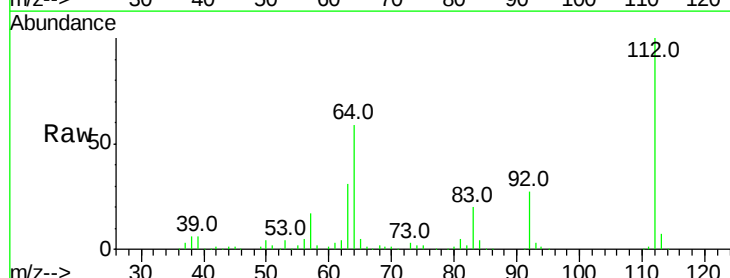
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



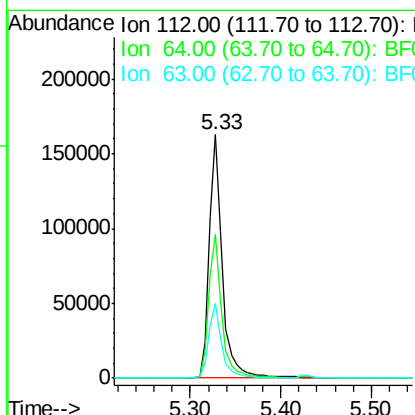
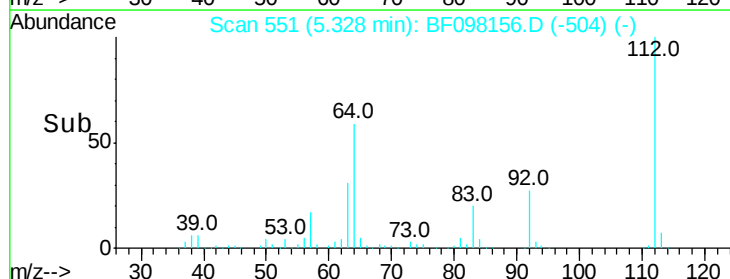
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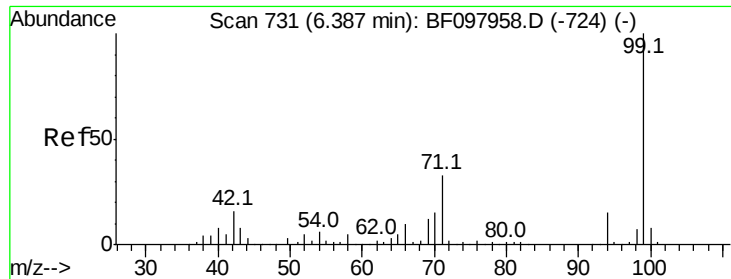
2-Fluorophenol
Concen: 24.453 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

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

ClientSampled :

TP-5DL

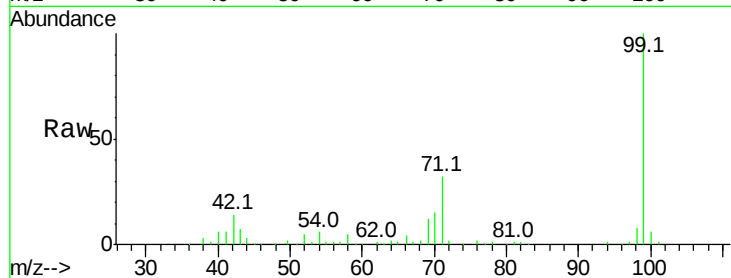
Tot Ion: 99 Resp: 227151

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

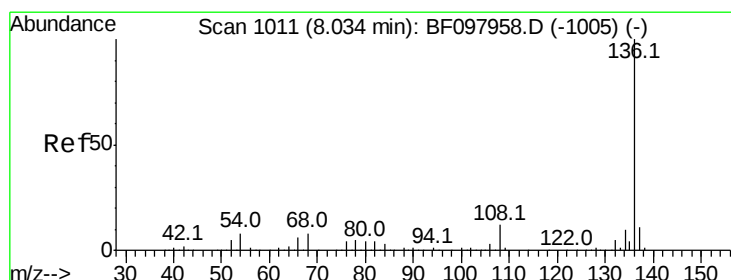
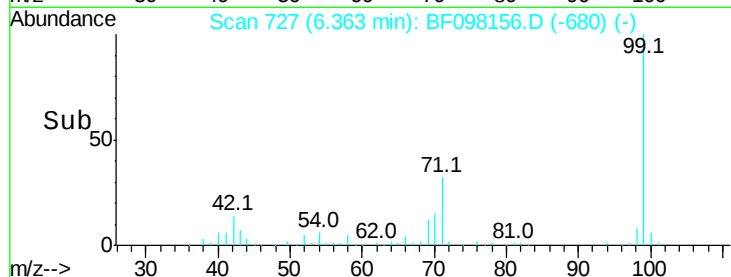
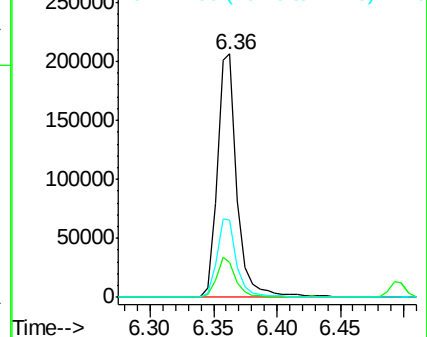
71 31.8 24.5 36.7



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



#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

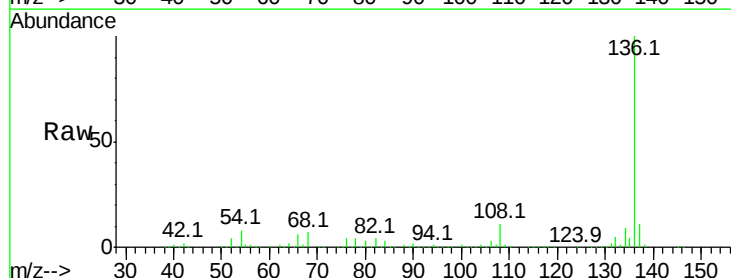
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

68 7.2 4.1 6.1#

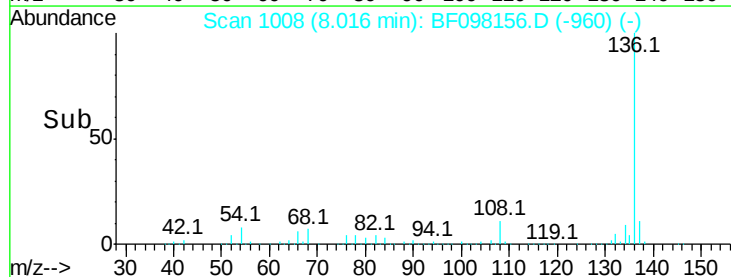
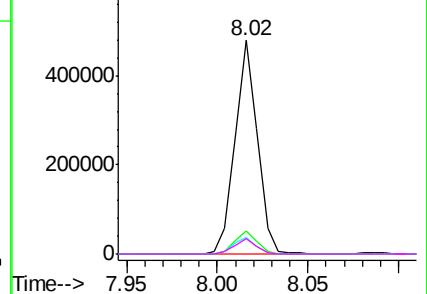


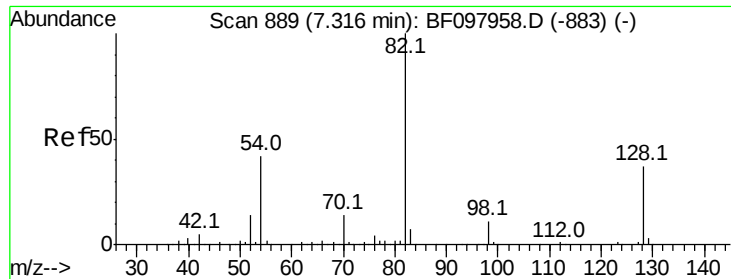
Abundance Ion 136.00 (135.70 to 136.70): E

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

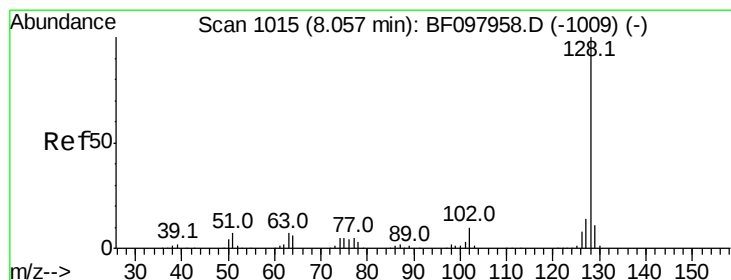
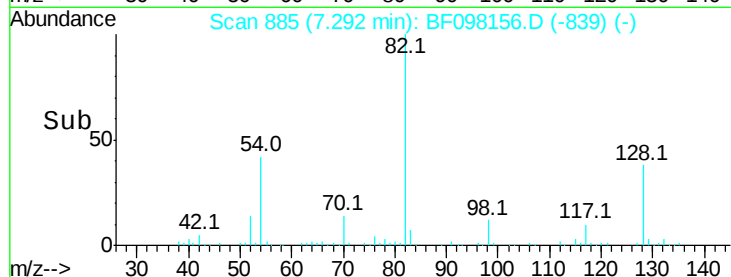
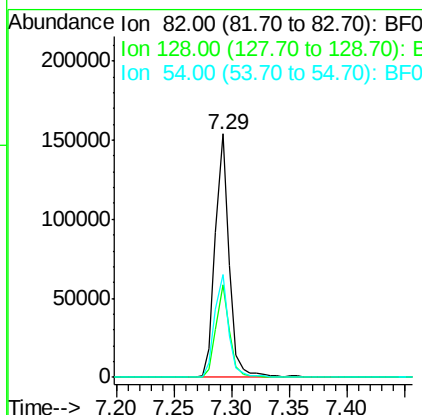
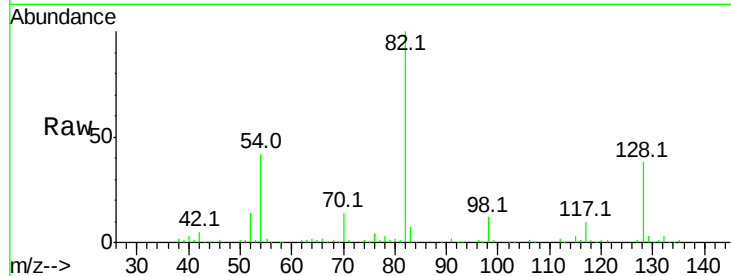




#23
Nitrobenzene-d5
Concen: 17.148 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098156.D
Acq: 30 Aug 2017 13:31

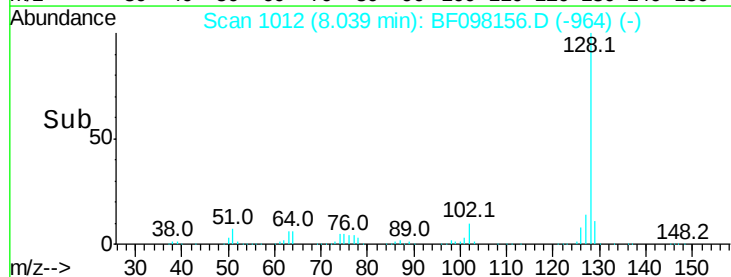
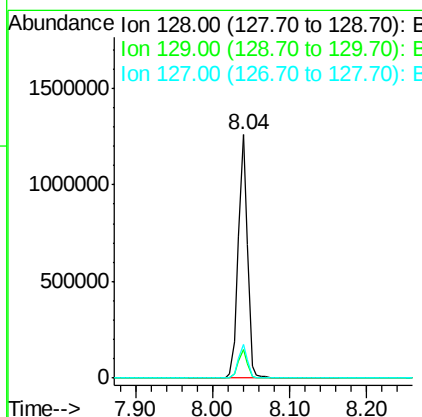
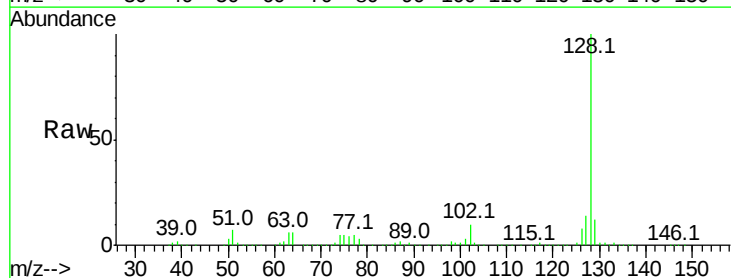
Instrument :
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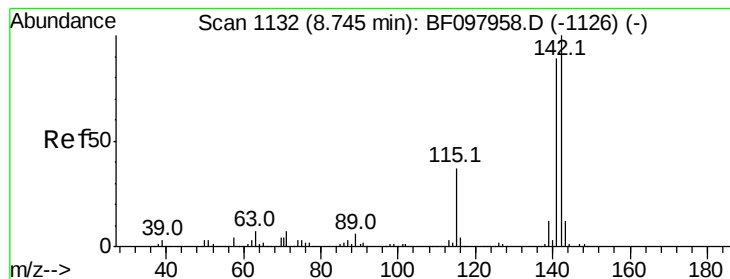
Tot Ion	82	Resp	130273
Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.0	51.0
54	42.2	42.2	63.2



#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	128	Resp	1067345
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.8	10.8	16.2

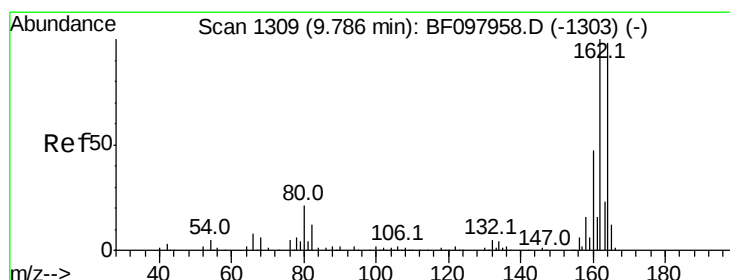
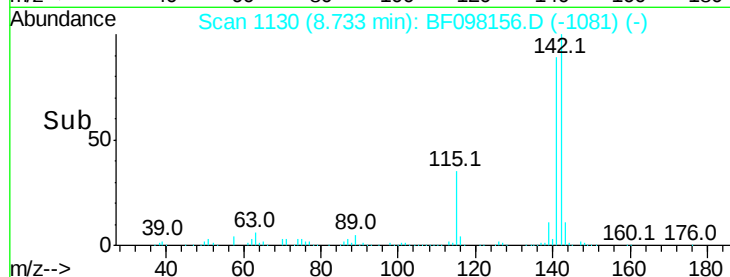
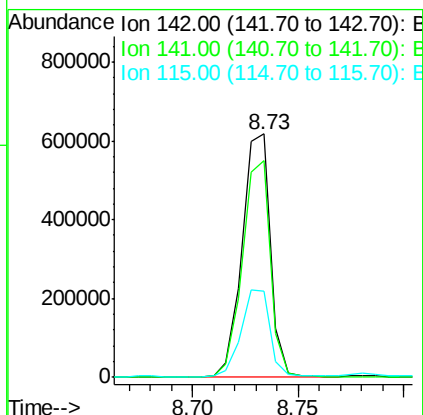
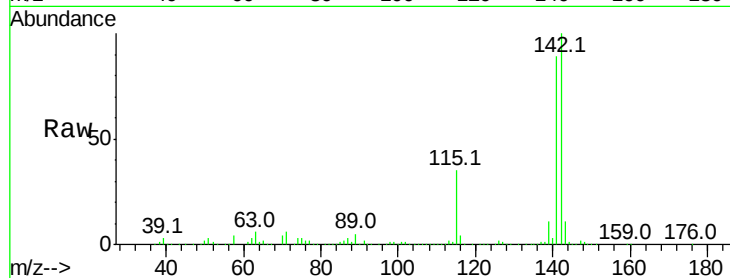




#37
 2-Methylnaphthalene
 Concen: 43.924 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

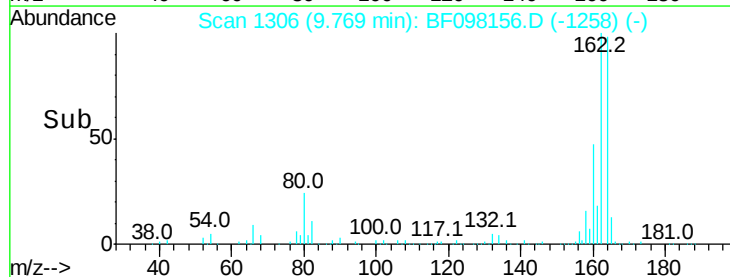
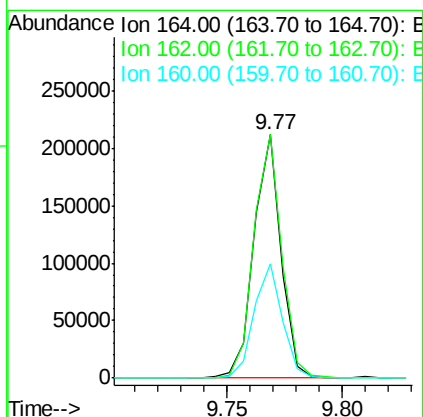
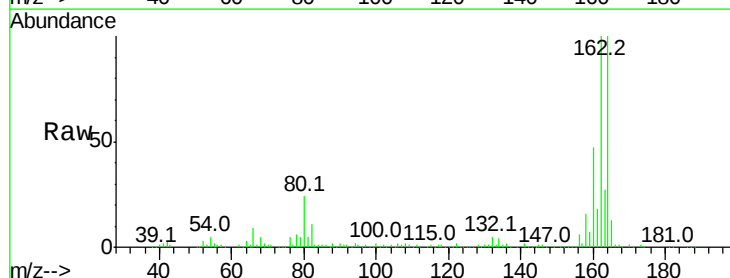
Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

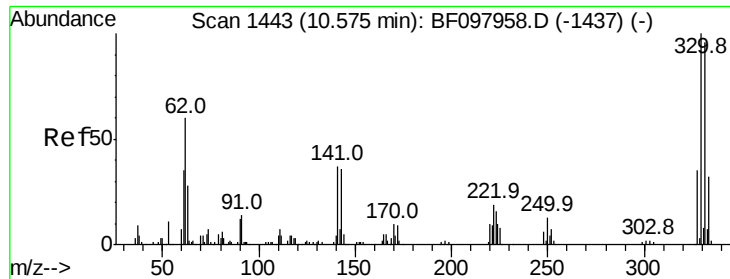
Tot Ion:	142	Resp:	576973
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	35.4	27.1	40.7



#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:	164	Resp:	174580
Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.6	123.8
160	47.2	36.2	54.2

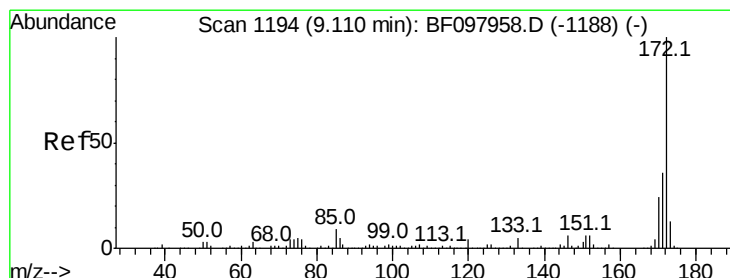
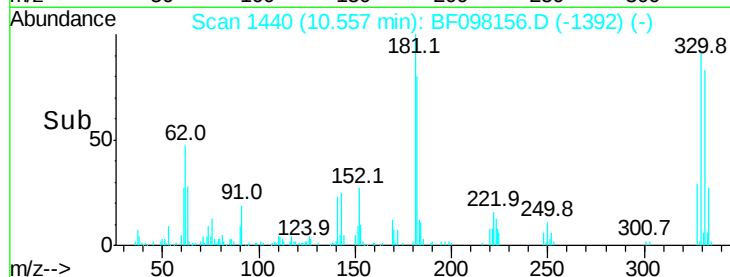
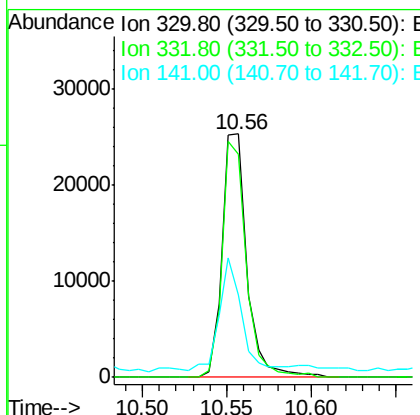
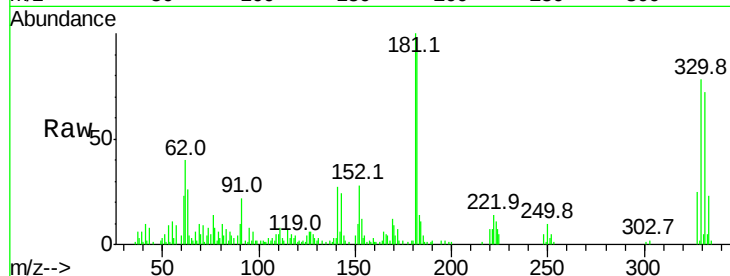




#41
 2,4,6-Tribromophenol
 Concen: 17.095 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

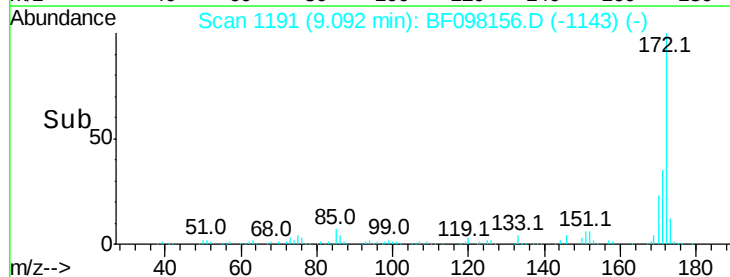
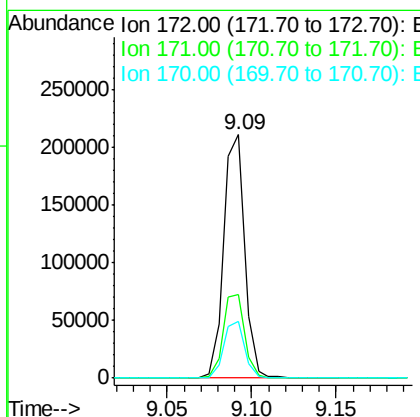
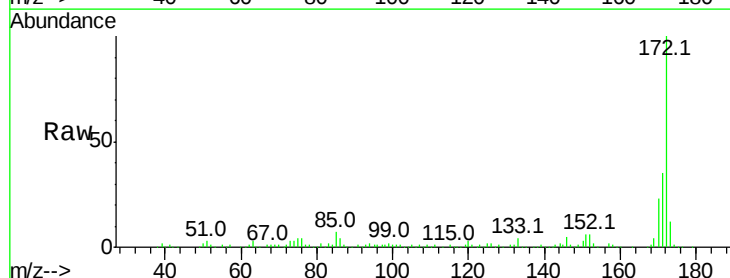
Instrument :
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 ClientSampleId :
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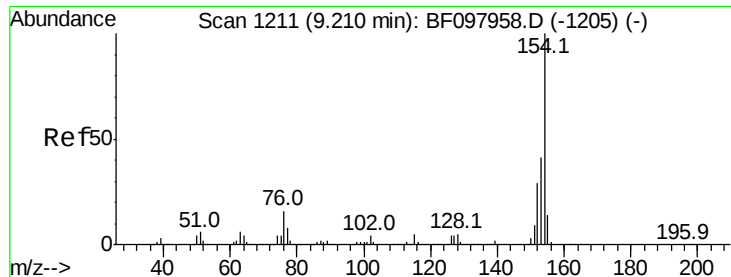
Tot Ion:330 Resp: 25895
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.6 115.0
 141 41.0 31.4 47.2



#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

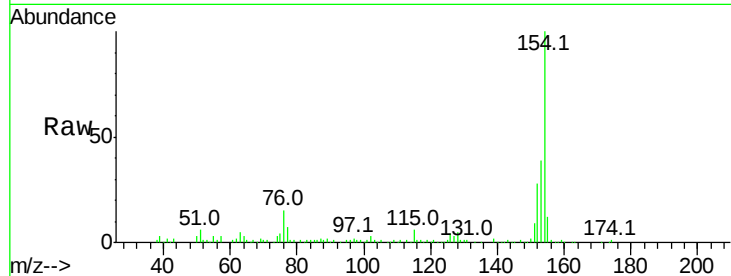




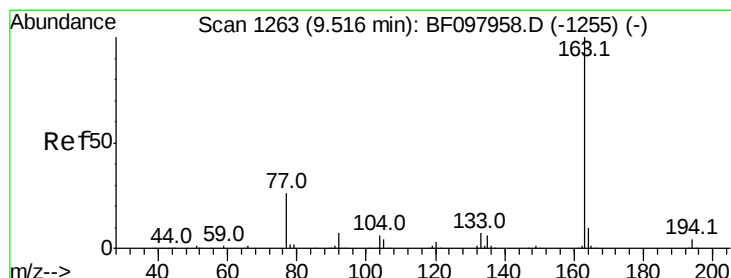
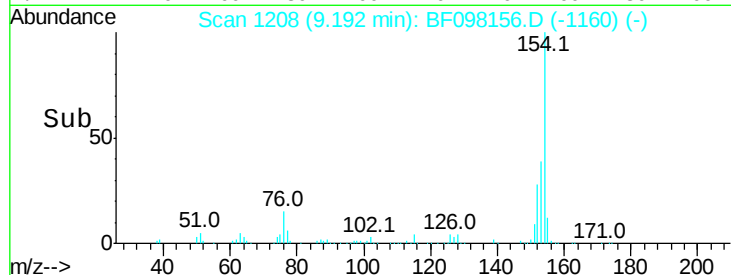
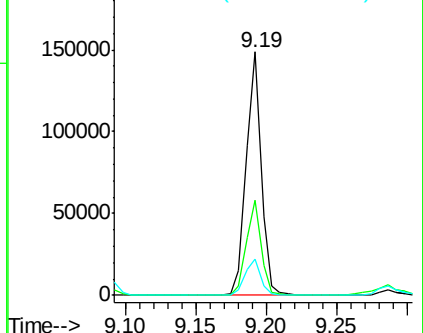
#45
 1,1'-Biphenyl
 Concen: 6.988 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

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

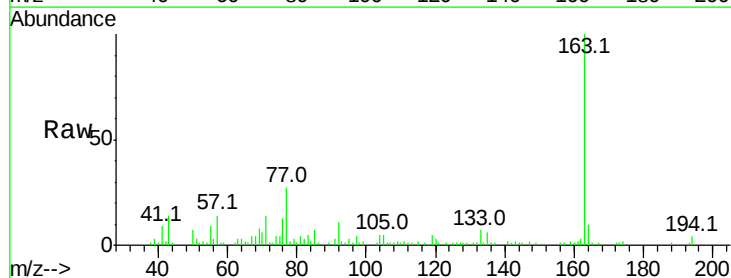


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

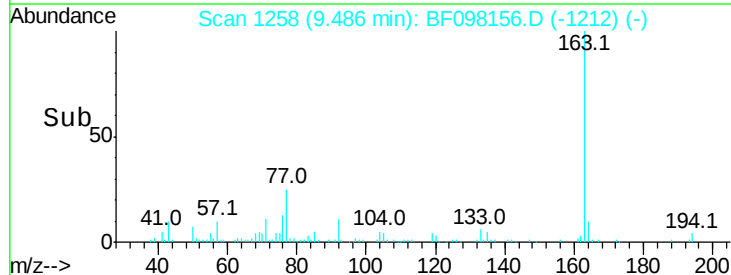
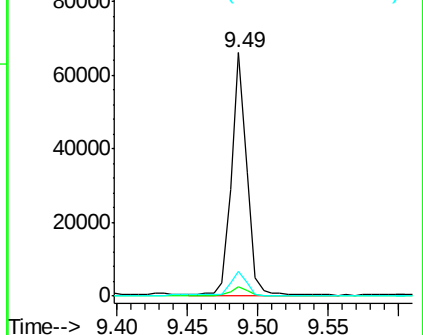


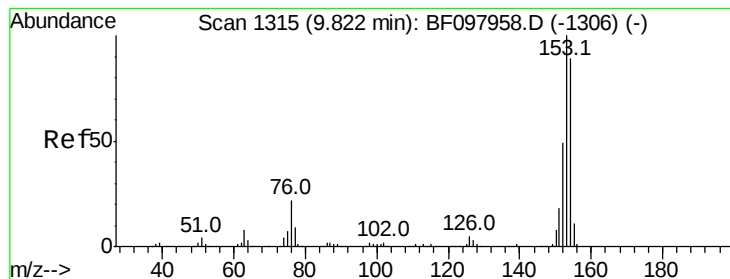
#49
 Dimethylphthalate
 Concen: 4.006 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.03 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

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 :

TP-5DL

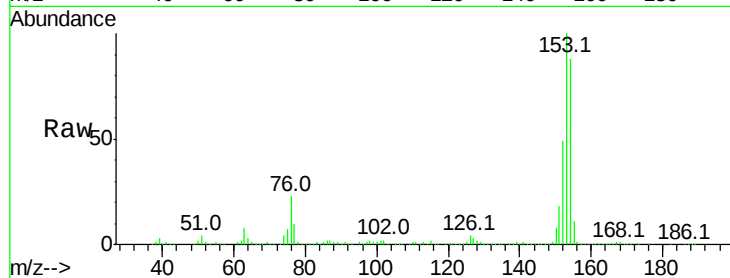
Tot Ion:154 Resp: 228544

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

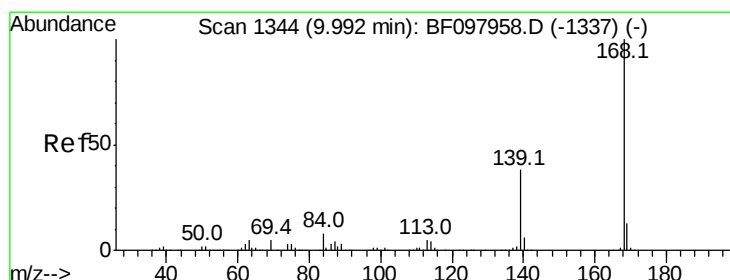
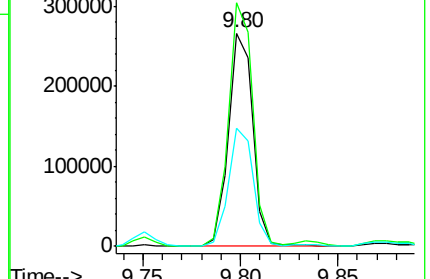
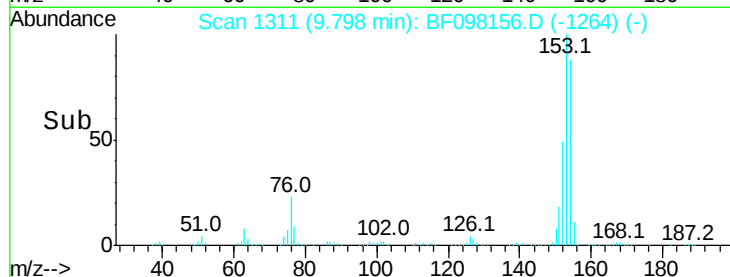
152 55.5 43.6 65.4



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



#54

Dibenzofuran

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

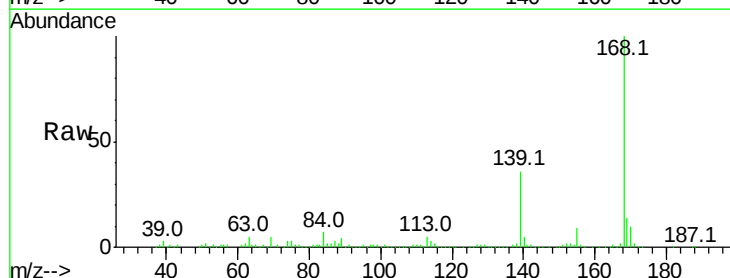
Tgt Ion:168 Resp: 249595

Ion Ratio Lower Upper

168 100

139 36.5 30.6 45.8

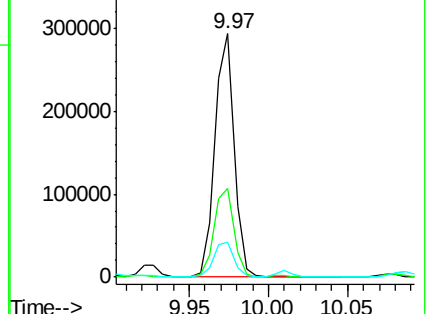
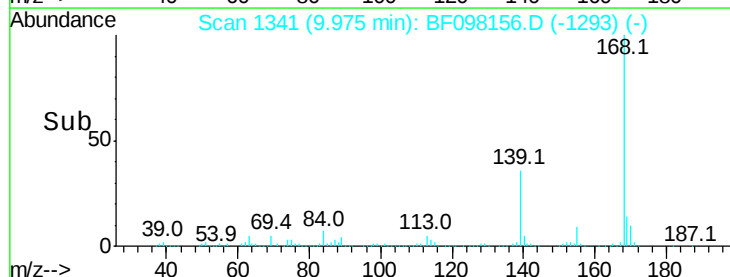
169 14.1 10.8 16.2

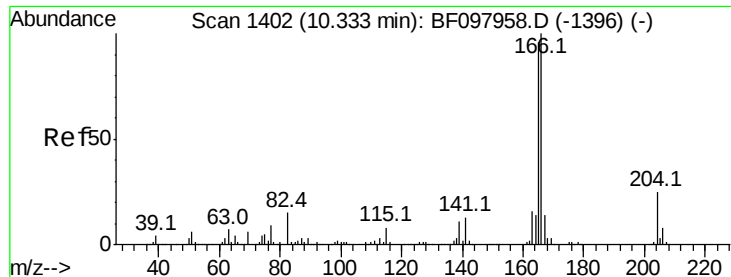


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

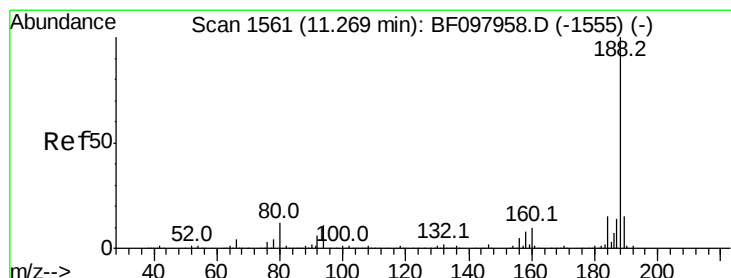
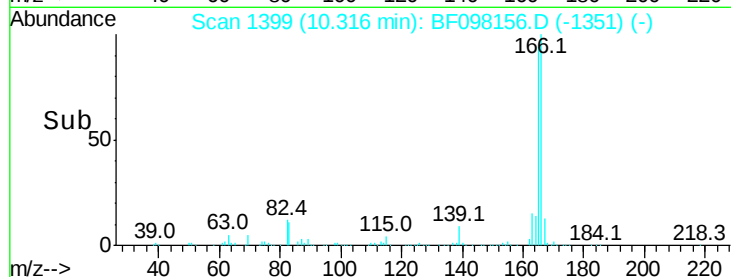
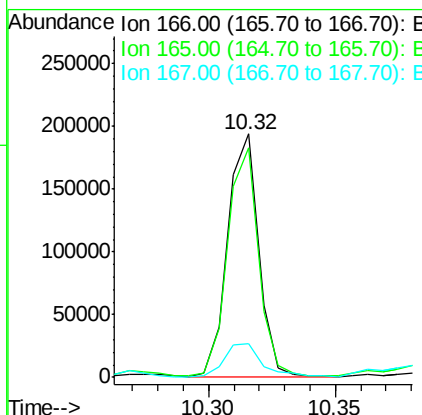
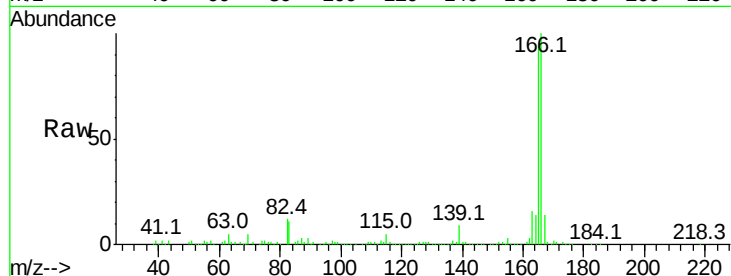




#57
Fluorene
 Concen: 13.612 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

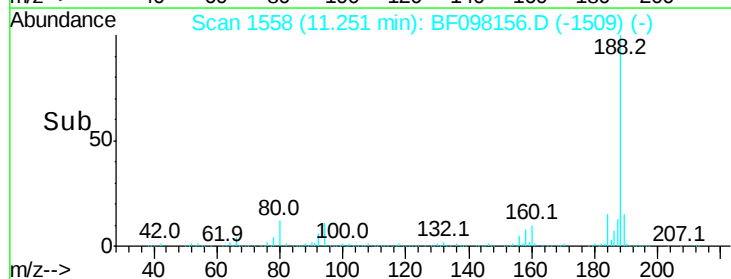
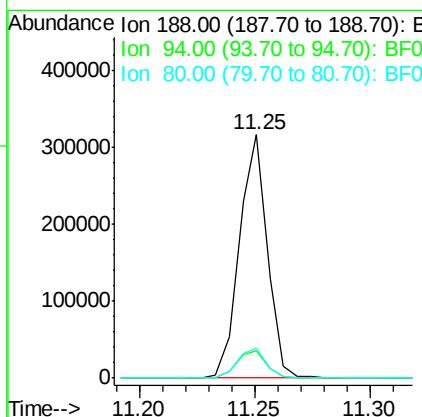
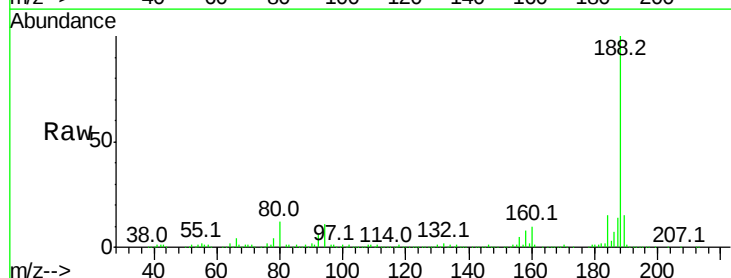
Instrument :
 BNA_F
 ClientSampled :
 TP-5DL

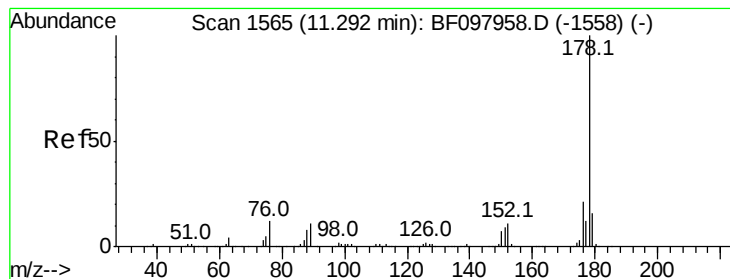
Tot Ion:166 Resp: 164323
 Ion Ratio Lower Upper
 166 100
 165 94.2 78.8 118.2
 167 13.8 10.6 16.0



#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

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





#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

ClientSampleId :

TP-5DL

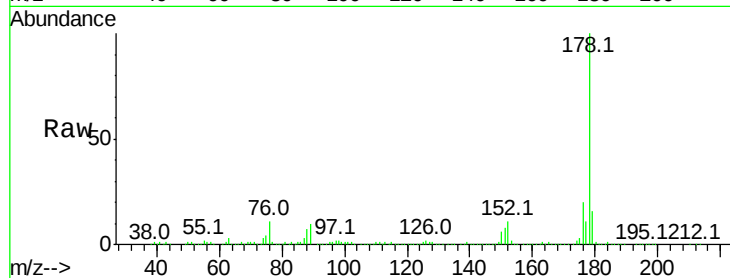
Tot Ion:178 Resp: 286289

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

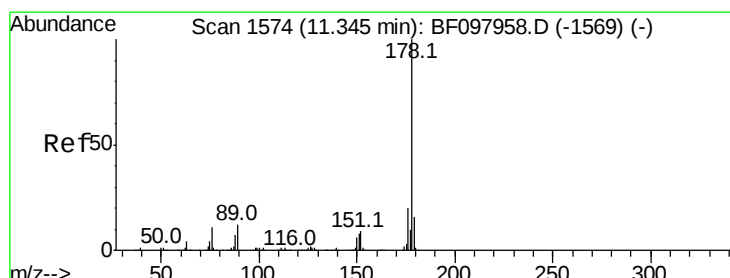
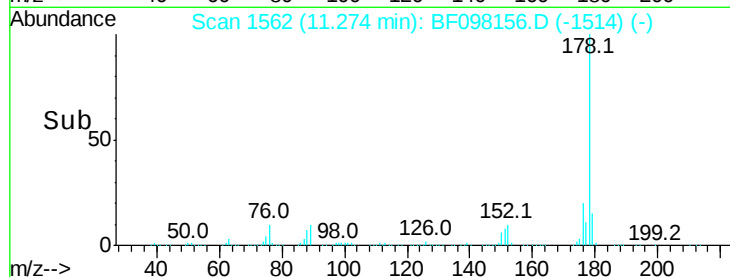
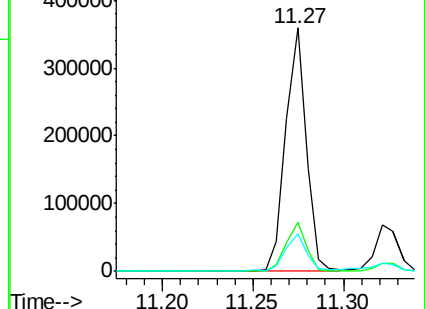
179 15.6 12.6 19.0



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

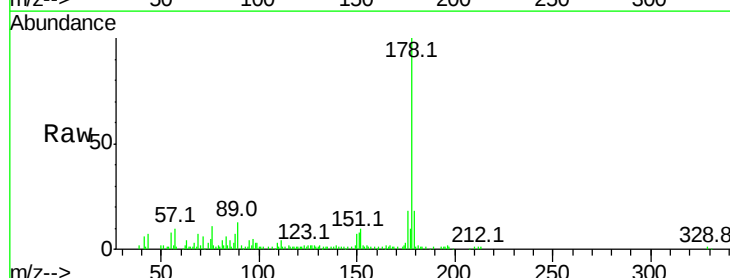
Tgt Ion:178 Resp: 58570

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

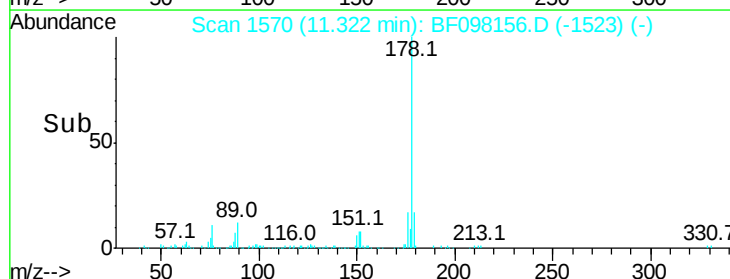
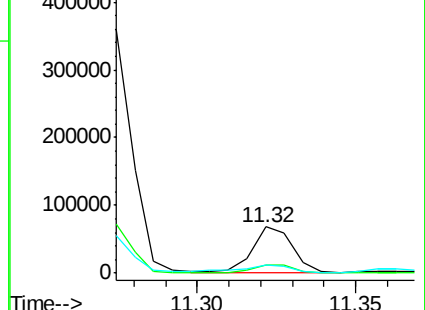
179 17.6 12.7 19.1

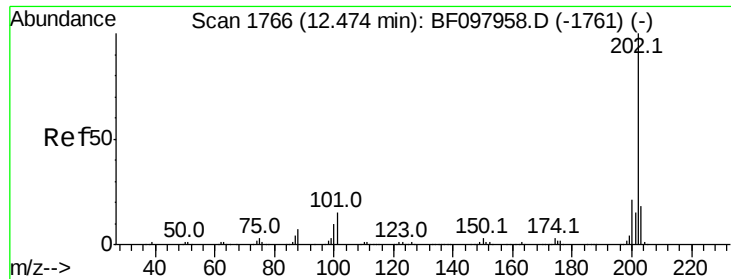


Abundance Ion 178.00 (177.70 to 178.70): E

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 :

TP-5DL

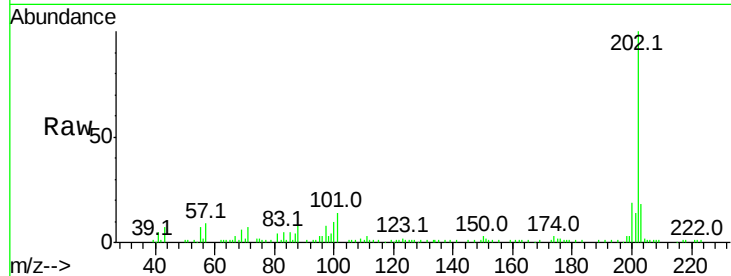
Tot Ion:202 Resp: 63114

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

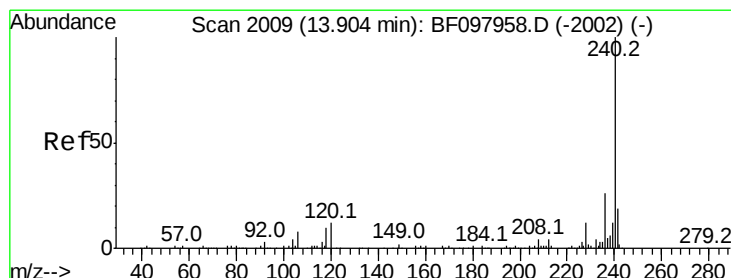
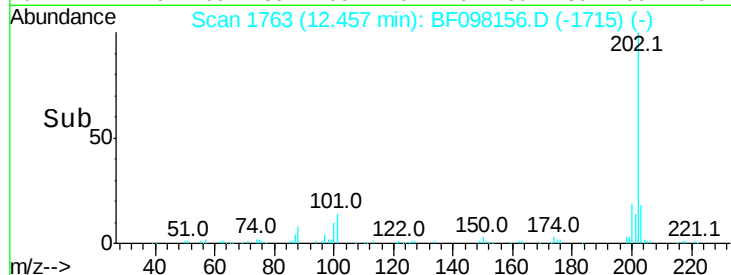
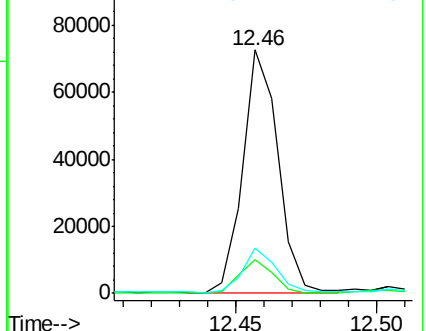
203 18.4 0.0 38.1



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

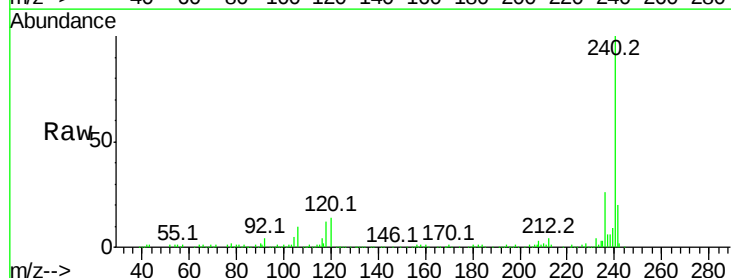
Tgt Ion:240 Resp: 218455

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

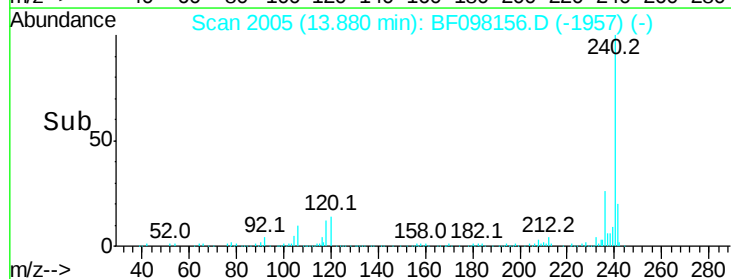
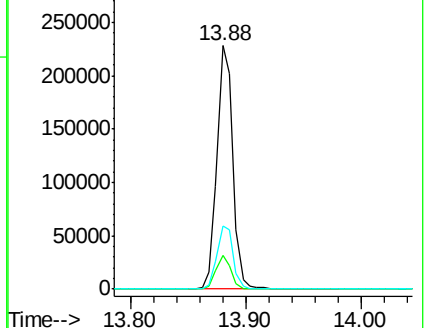
236 25.8 20.5 30.7

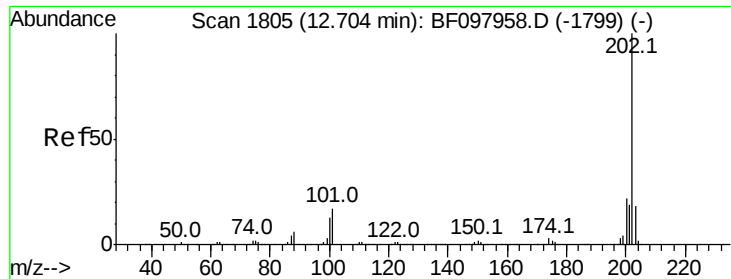


Abundance Ion 240.00 (239.70 to 240.70): E

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 :

TP-5DL

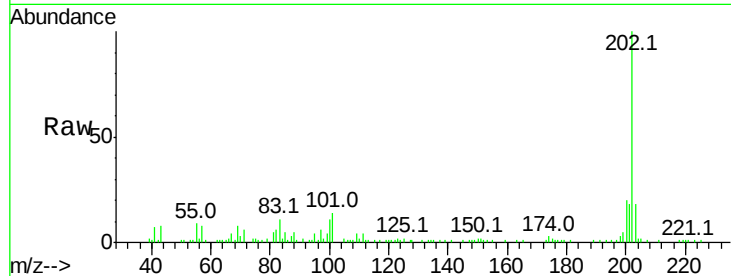
Tot Ion:202 Resp: 49355

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

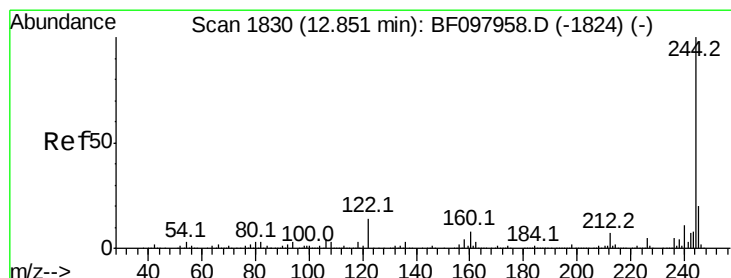
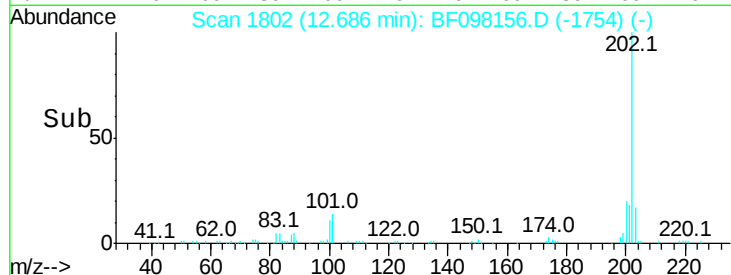
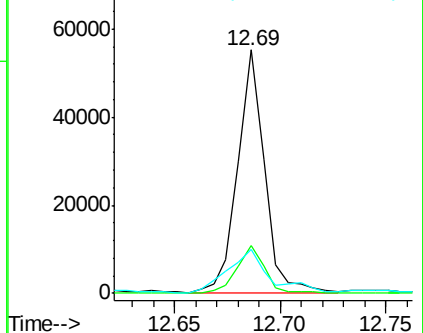
203 18.0 14.4 21.6



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

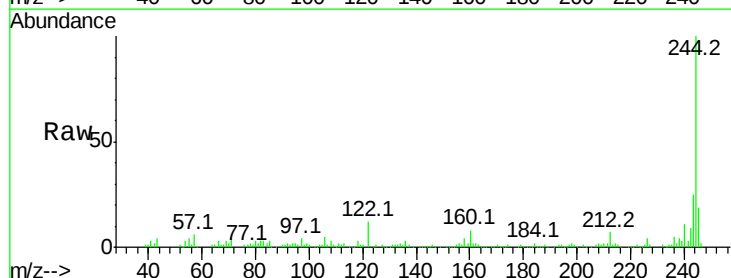
Tgt Ion:244 Resp: 99272

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

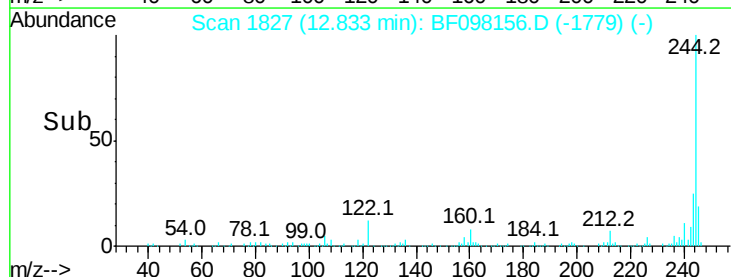
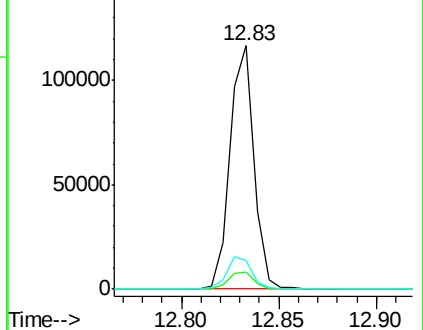
122 11.7 10.3 15.5

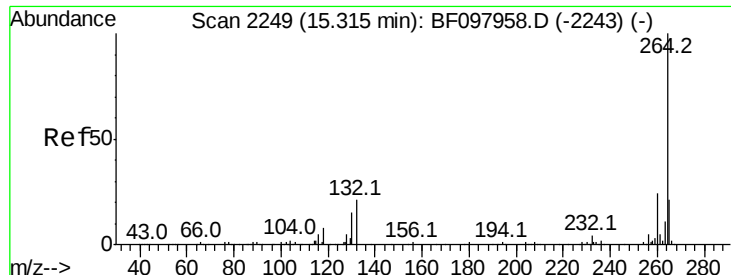


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

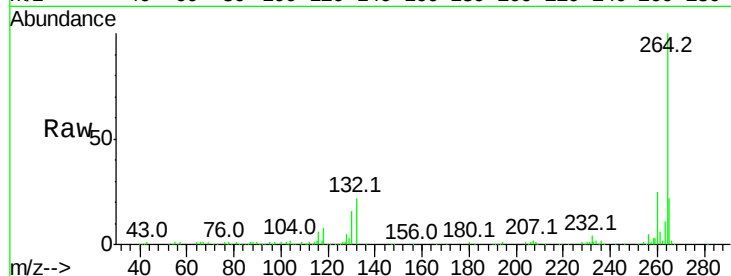




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF098156.D
 Acq: 30 Aug 2017 13:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-5DL

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

