

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098197.D
 Acq On : 31 Aug 2017 11:38
 Operator : SJ/JU
 Sample : I4979-01DL2 50X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL2

Quant Time: Aug 31 14:04:00 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	94115	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	344487	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	134854	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	239065	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	209405	20.00	ng	-0.02
86) Perylene-d12	15.29	264	151983	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	16469	2.66	ng	-0.02
7) Phenol-d6	6.36	99	23098	2.75	ng	-0.03
23) Nitrobenzene-d5	7.29	82	11988	1.89	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	2107	1.80	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	16284	1.77	ng	-0.03
78) Terphenyl-d14	12.82	244	13022	1.30	ng	-0.03

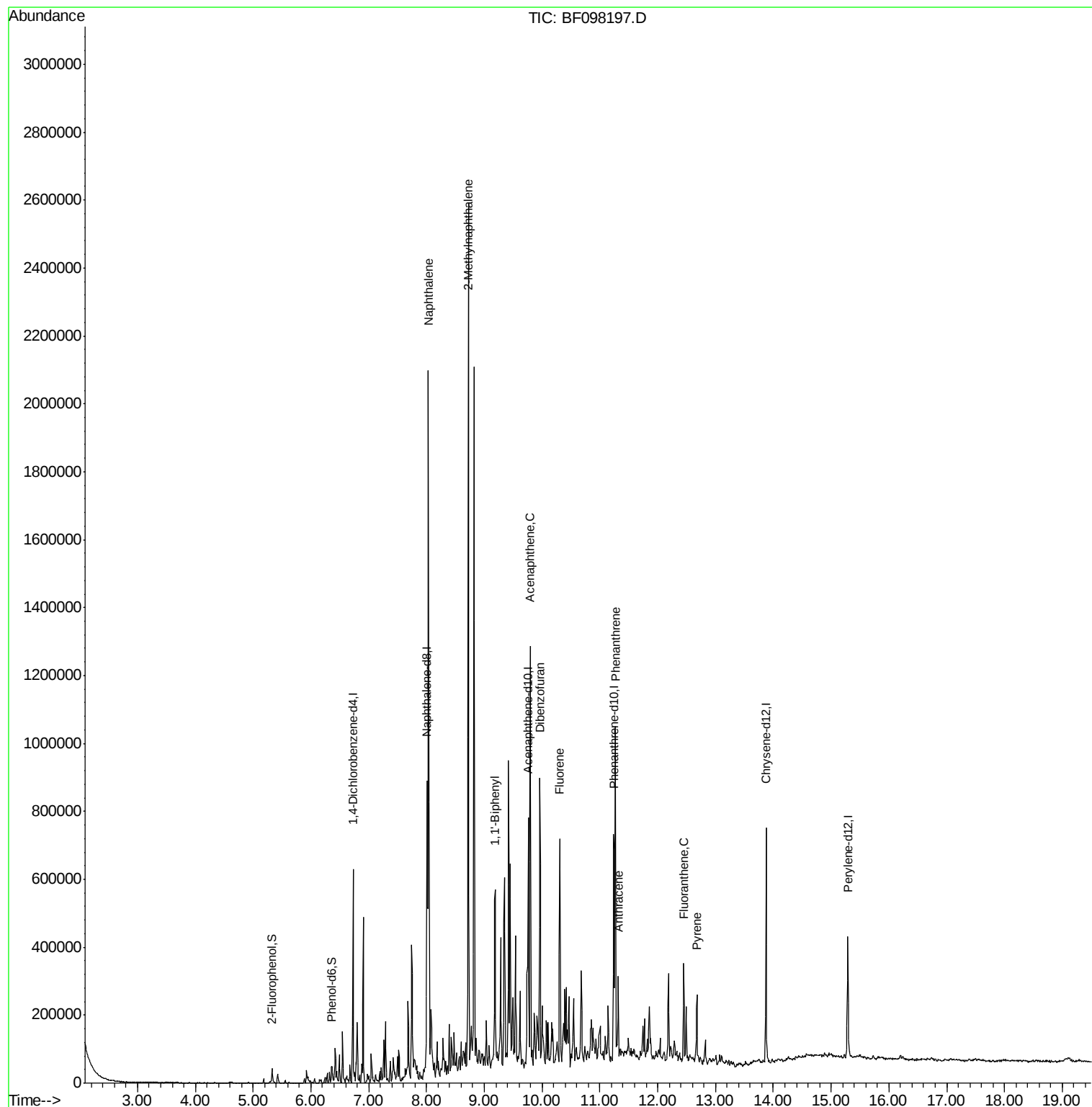
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	815064	45.575	ng	99
37) 2-Methylnaphthalene	8.73	142	688490	62.792	ng	100
45) 1,1'-Biphenyl	9.19	154	153832	12.509	ng	97
51) Acenaphthene	9.79	154	227468	25.277	ng	99
54) Dibenzofuran	9.96	168	242566	20.112	ng	# 98
57) Fluorene	10.31	166	169325	18.159	ng	96
70) Phenanthrene	11.27	178	342025	26.848	ng	99
71) Anthracene	11.32	178	79652	6.165	ng	99
74) Fluoranthene	12.45	202	96389	7.249	ng	99
77) Pyrene	12.68	202	73498	4.291	ng	97

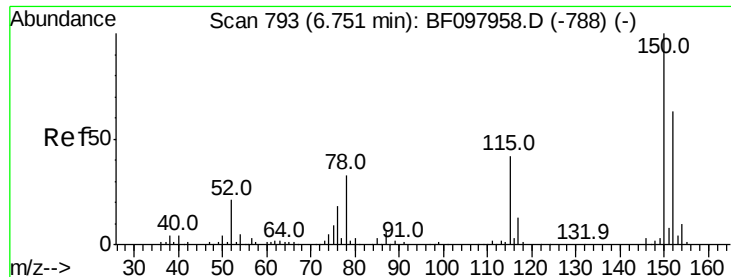
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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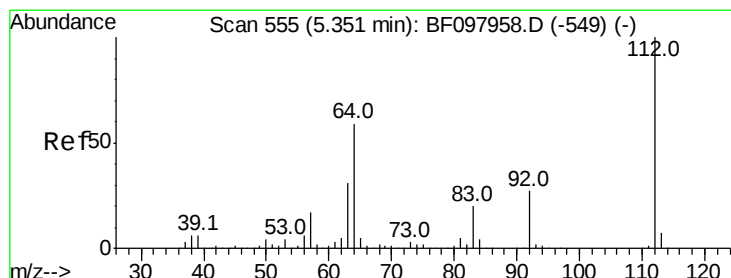
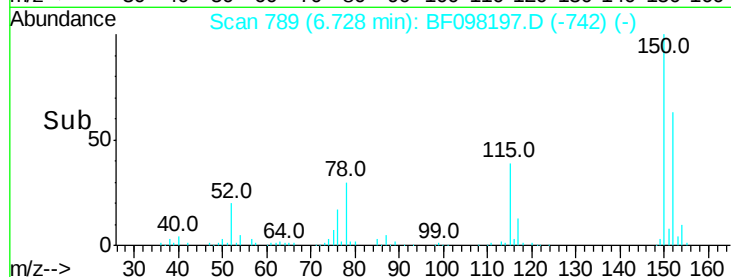
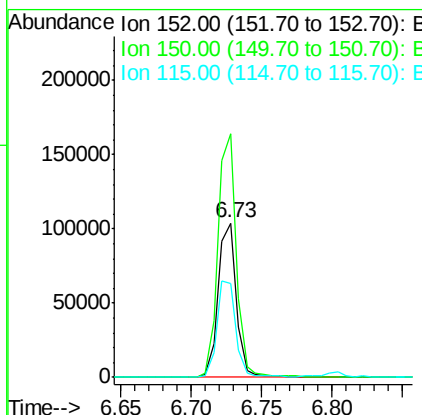
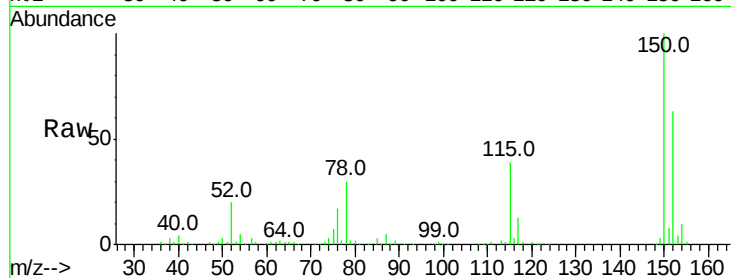


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Instrument :
BNA_F
ClientSampleId :
TP-1DL2

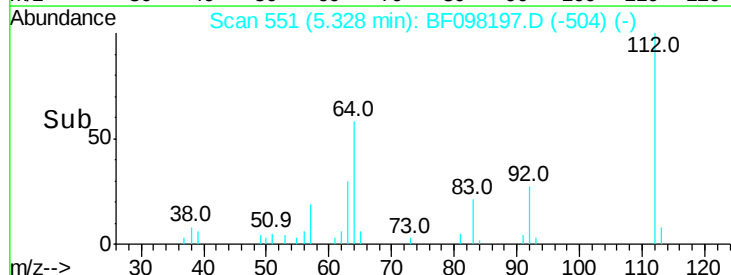
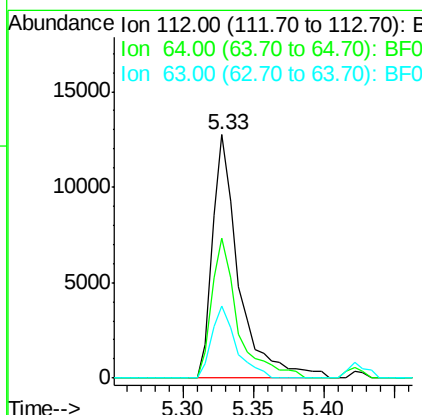
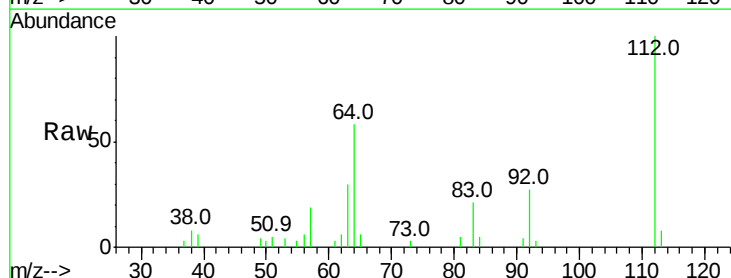
Tot Ion:152 Resp: 94115
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 61.0 52.2 78.2

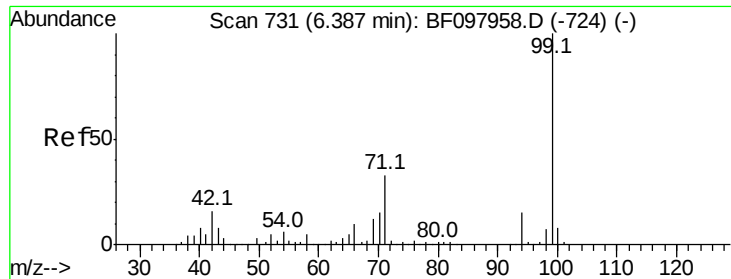


#5

2-Fluorophenol
Concen: 2.662 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:112 Resp: 16469
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 29.8 23.4 35.0





#7

Phenol-d6

Concen: 2.748 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

TP-1DL2

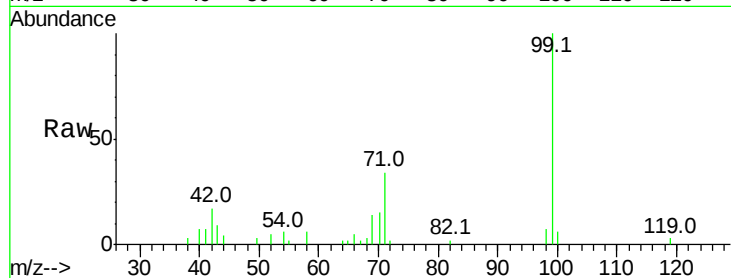
Tot Ion: 99 Resp: 23098

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

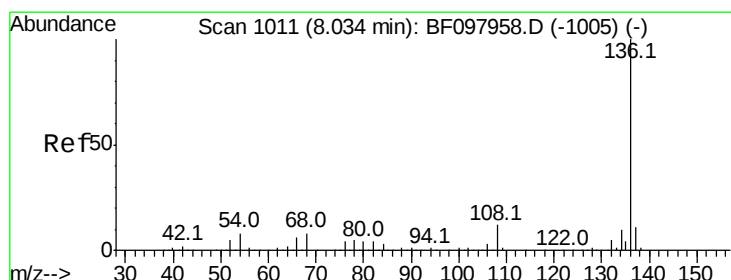
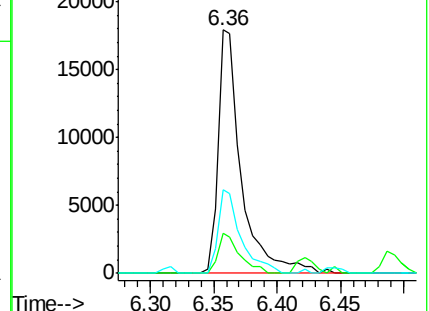
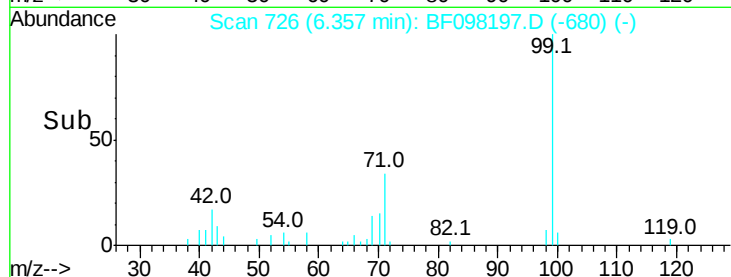
71 34.1 24.5 36.7



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: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Tgt Ion: 136 Resp: 344487

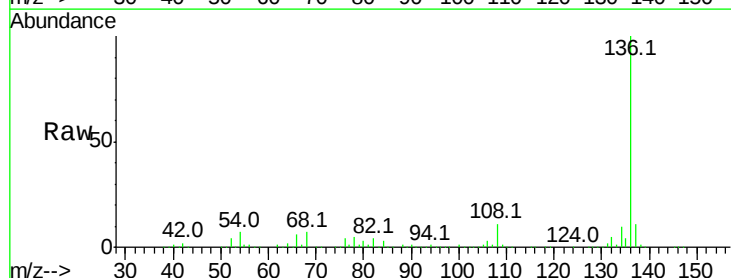
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 7.5 4.1 6.1#

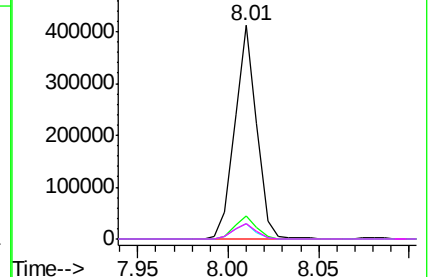
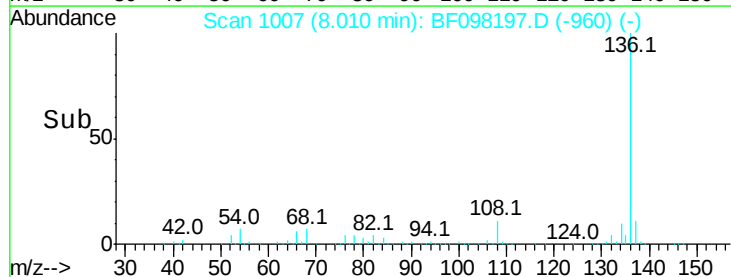


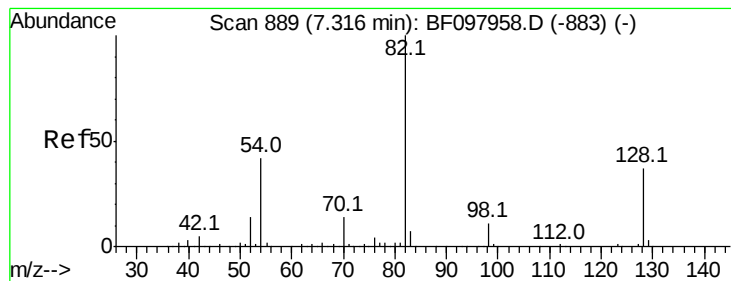
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.890 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

TP-1DL2

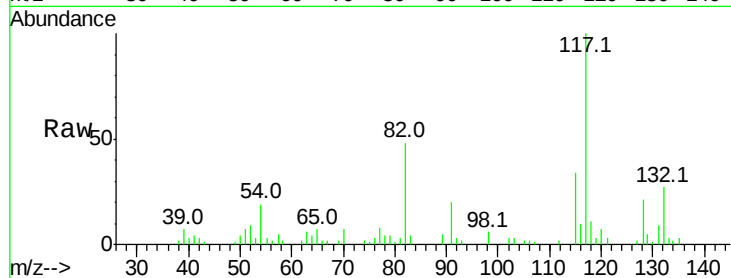
Tot Ion: 82 Resp: 11988

Ion Ratio Lower Upper

82 100

128 42.9 34.0 51.0

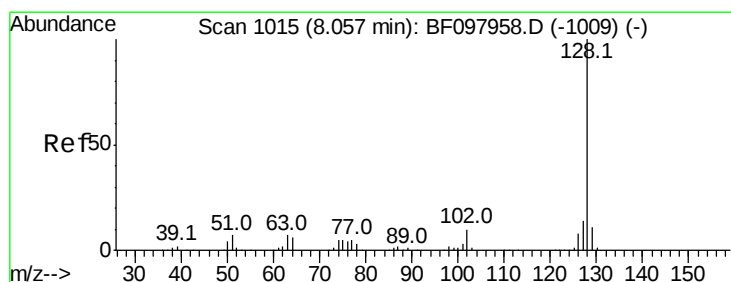
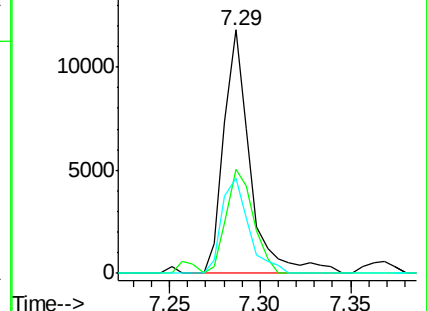
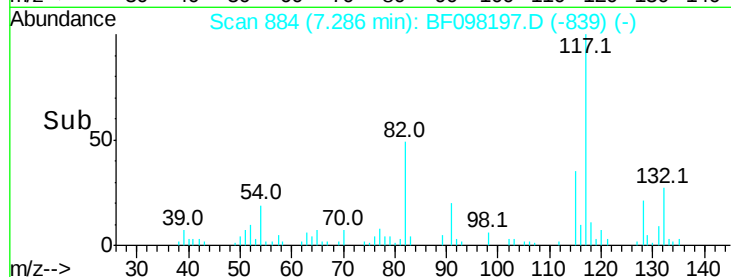
54 39.1 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 45.575 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

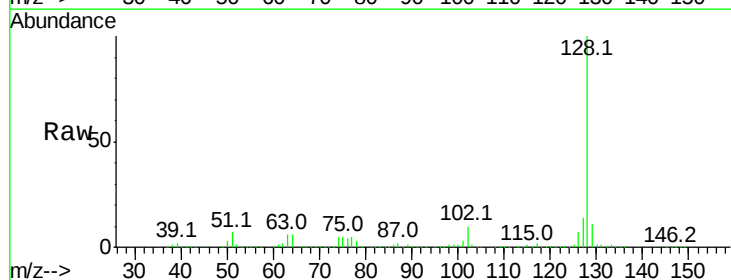
Tgt Ion:128 Resp: 815064

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

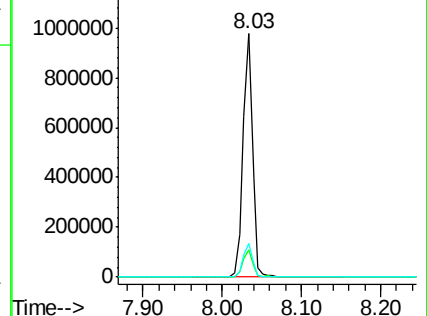
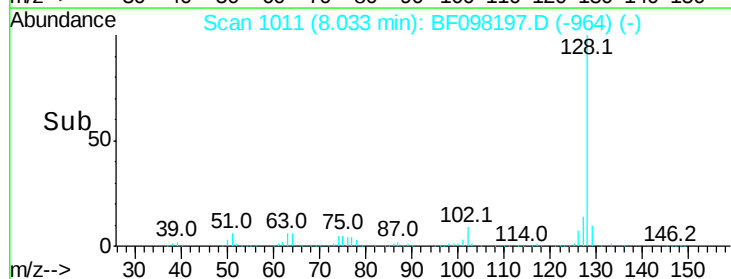
127 13.9 10.8 16.2

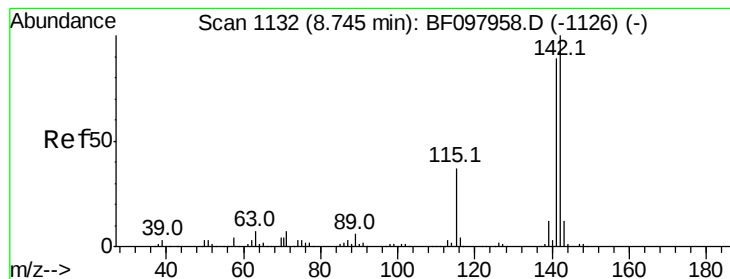


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

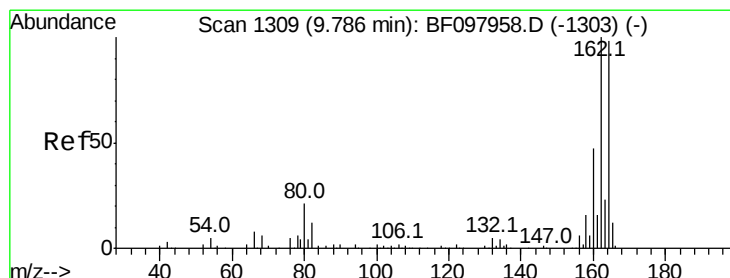
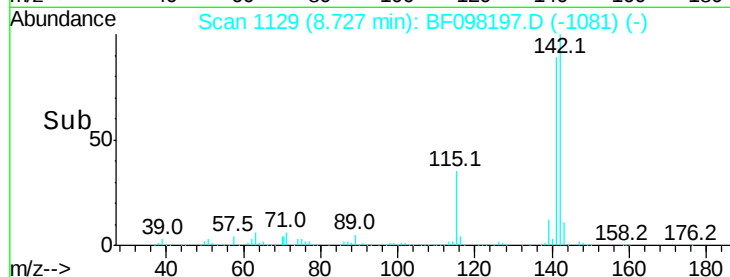
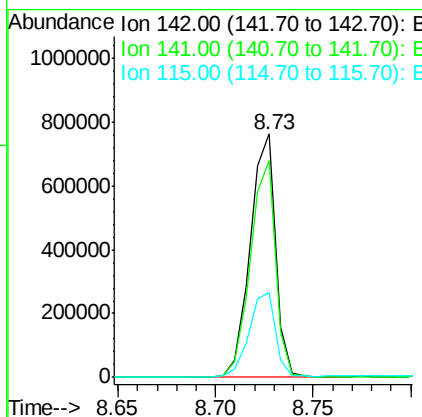
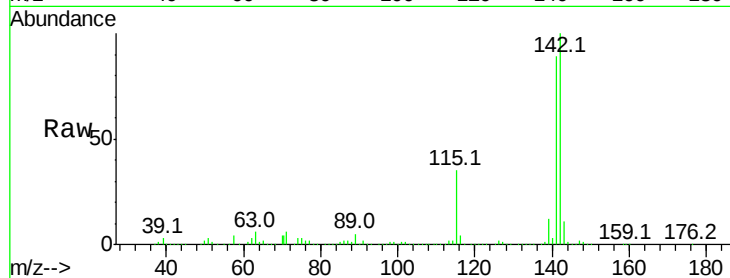




#37
 2-Methylnaphthalene
 Concen: 62.792 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

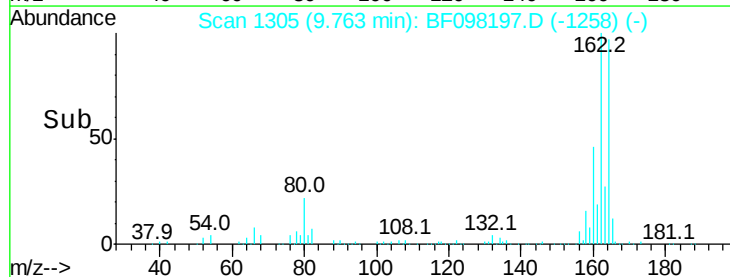
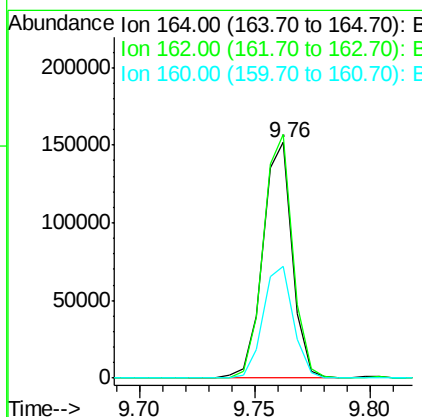
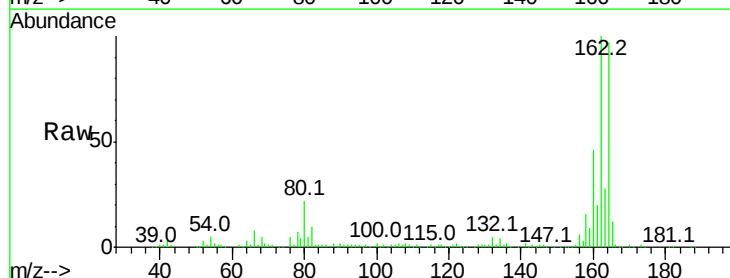
Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL2

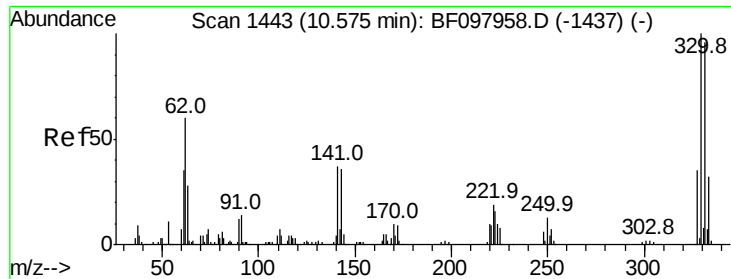
Tot Ion:	142	Resp:	688490
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9
115	34.8	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:	164	Resp:	134854
Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	47.6	36.2	54.2

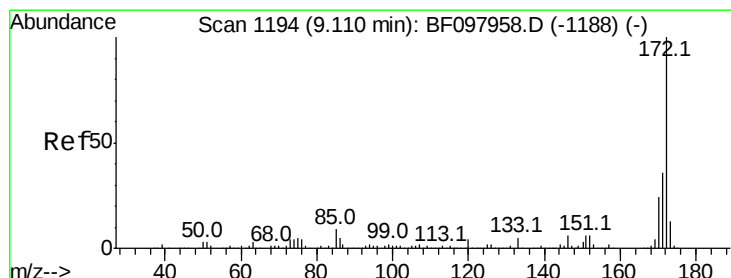
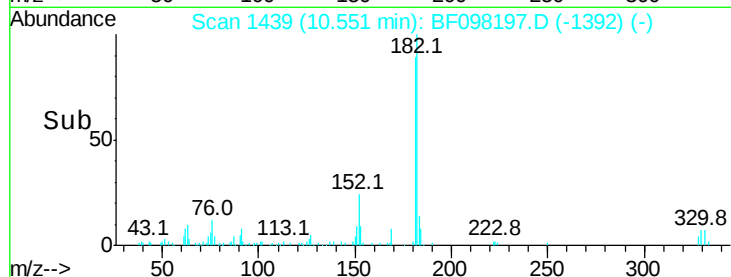
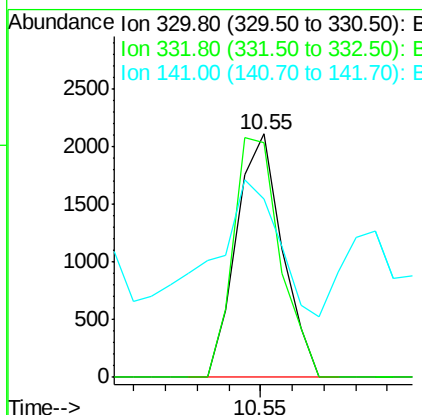
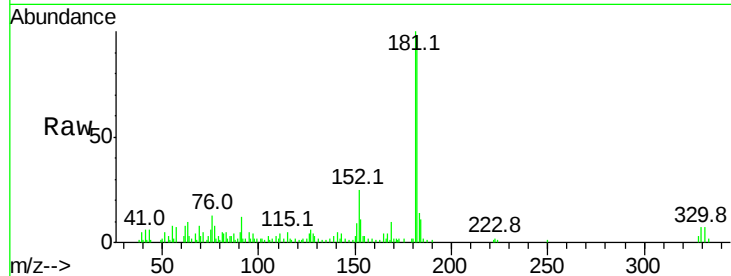




#41
 2,4,6-Tribromophenol
 Concen: 1.801 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

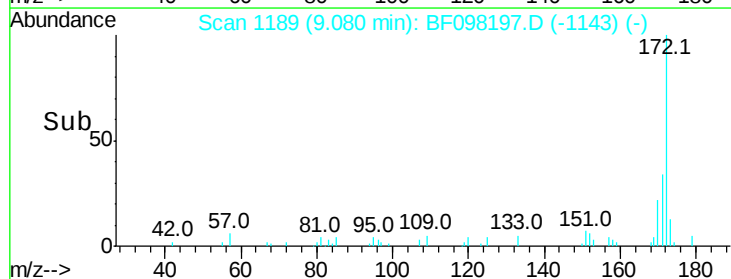
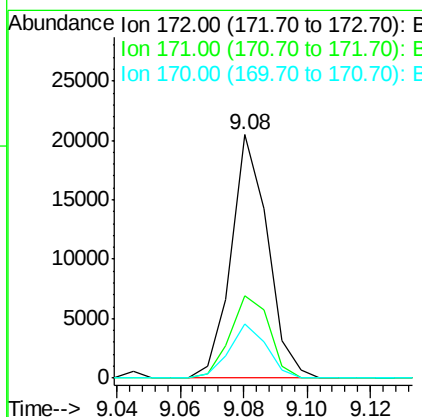
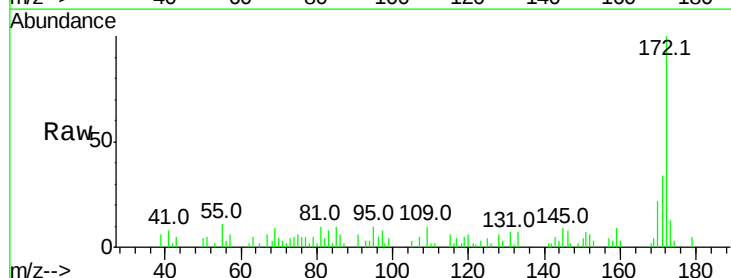
Instrument :
 BNA_F
 ClientSampled :
 TP-1DL2

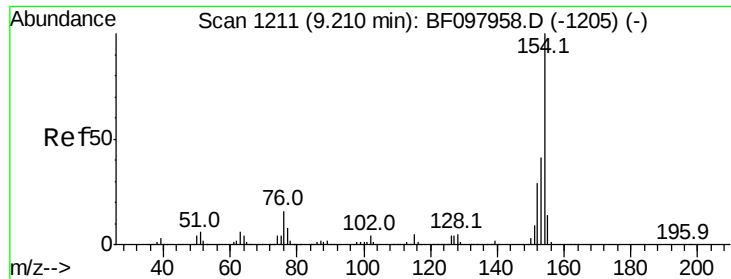
Tot Ion:330 Resp: 2107
 Ion Ratio Lower Upper
 330 100
 332 100.7 76.6 115.0
 141 77.0 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 1.774 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:172 Resp: 16284
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 22.3 19.8 29.8

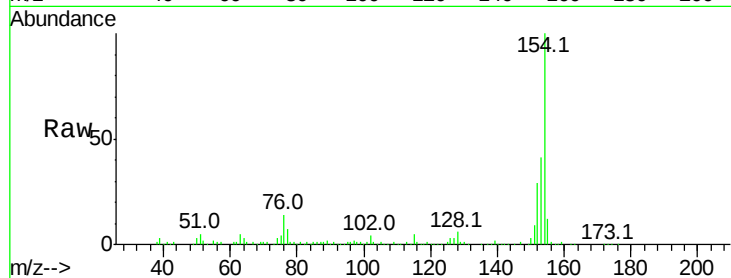




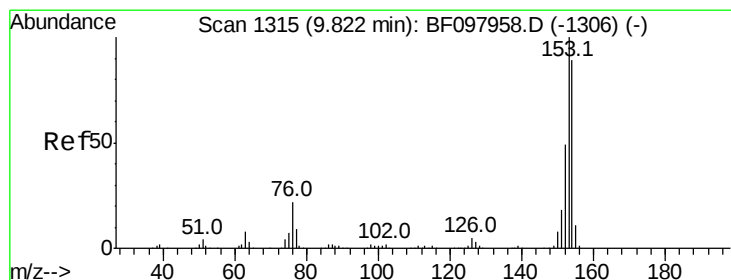
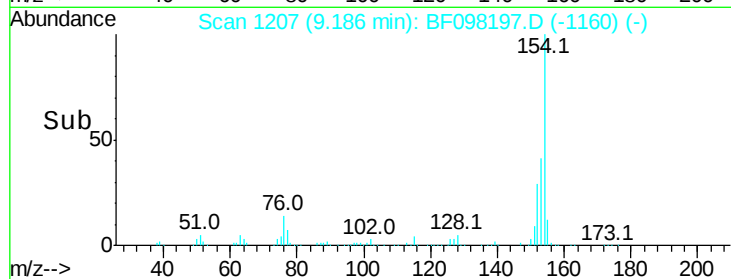
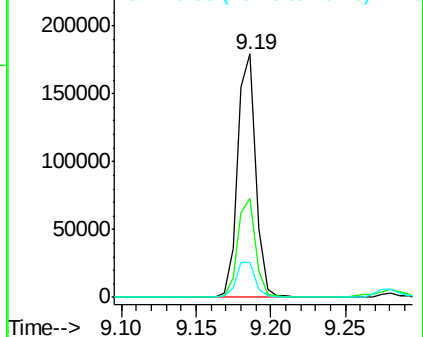
#45
 1,1'-Biphenyl
 Concen: 12.509 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL2

Tot Ion:	154	Resp:	153832
Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	14.4	0.0	29.9

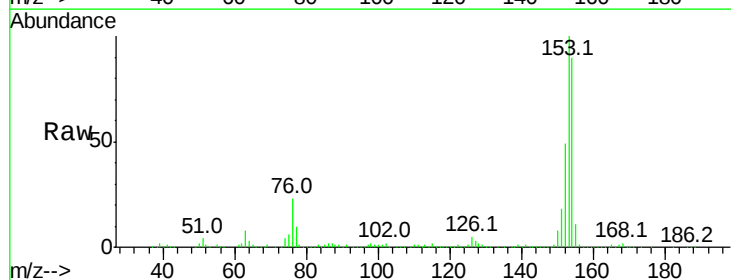


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

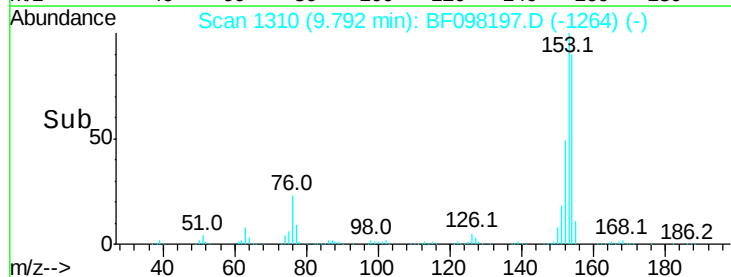
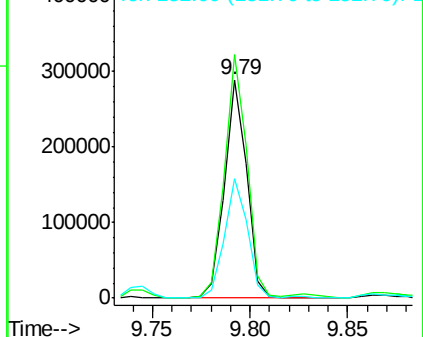


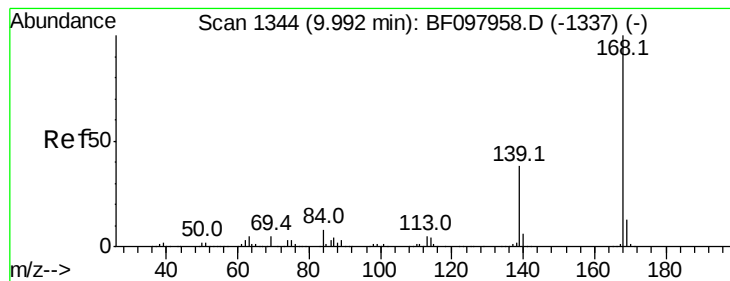
#51
 Acenaphthene
 Concen: 25.277 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:	154	Resp:	227468
Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.5	135.7
152	55.0	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

Dibenzenofuran

Concen: 20.112 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

TP-1DL2

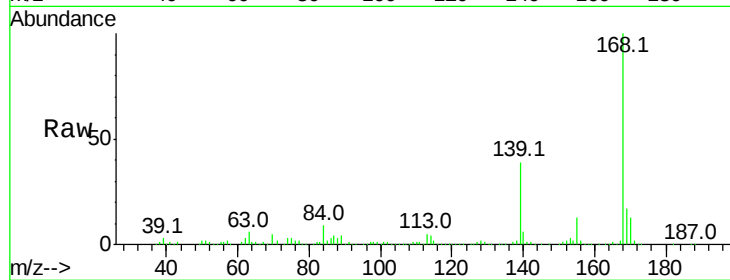
Tot Ion:168 Resp: 242566

Ion Ratio Lower Upper

168 100

139 38.5 30.6 45.8

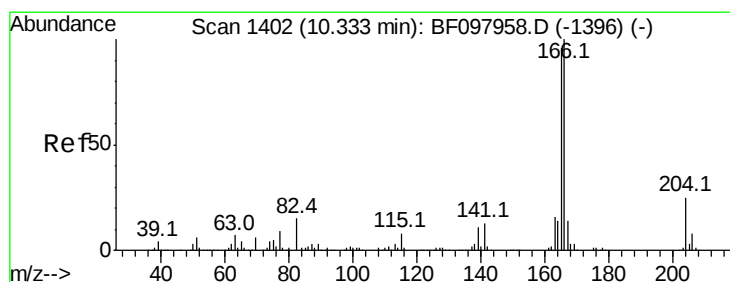
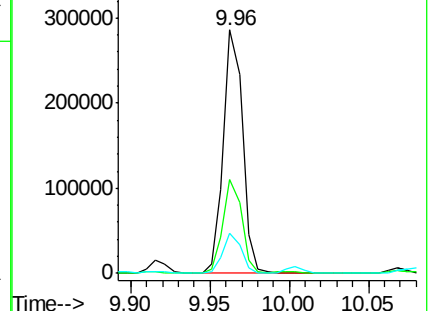
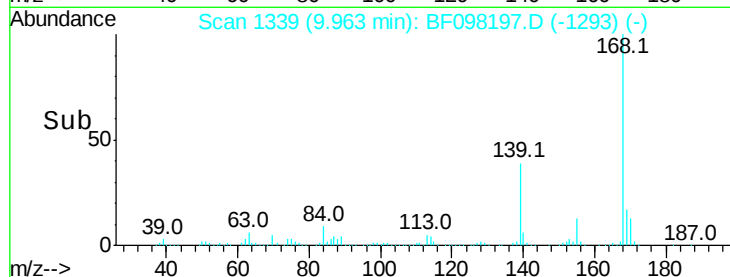
169 16.5 10.8 16.2#



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: 18.159 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

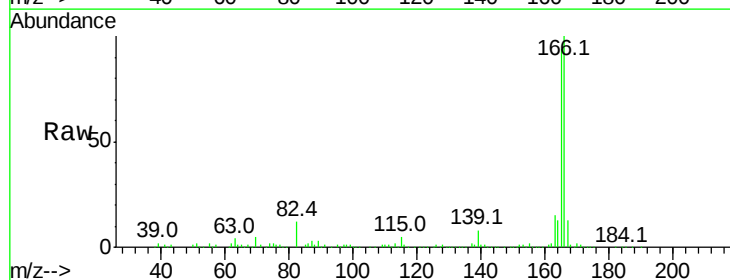
Tgt Ion:166 Resp: 169325

Ion Ratio Lower Upper

166 100

165 94.3 78.8 118.2

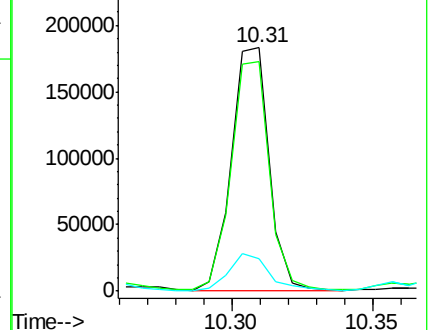
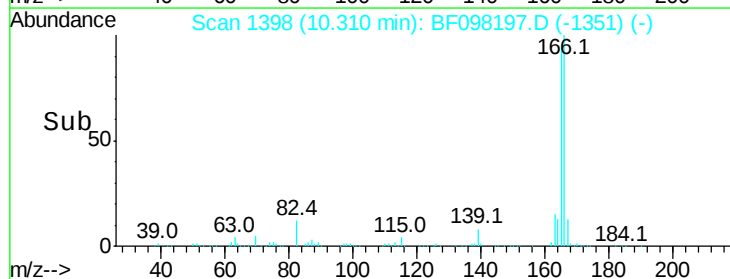
167 13.5 10.6 16.0

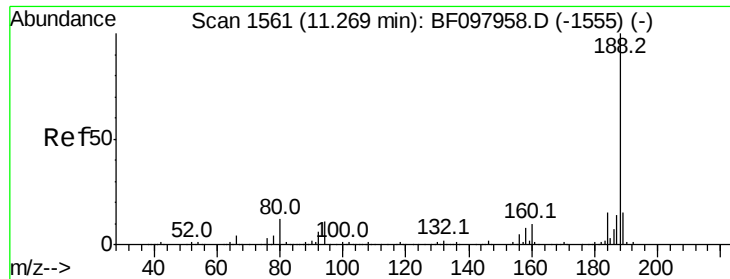


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

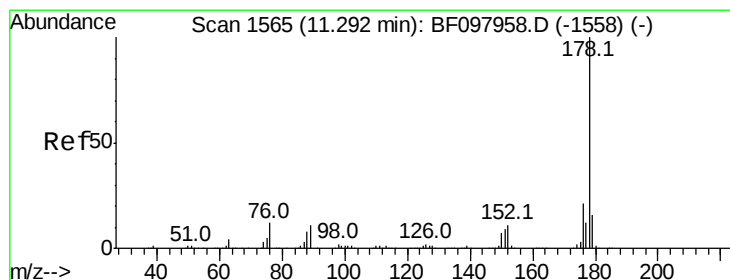
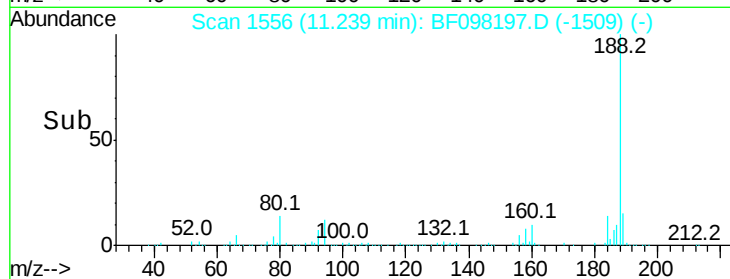
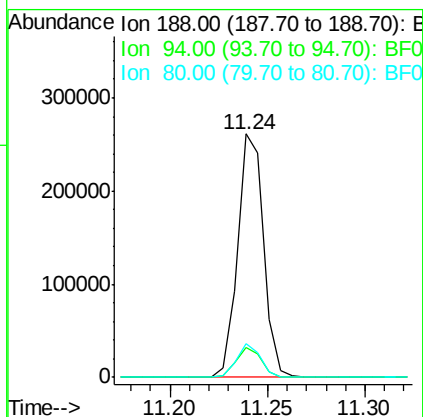
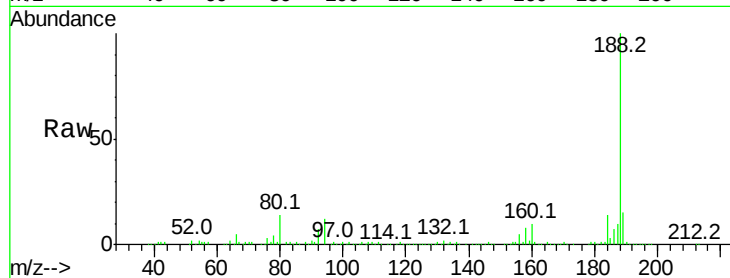




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

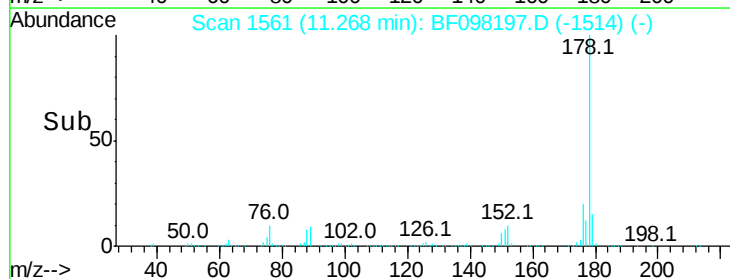
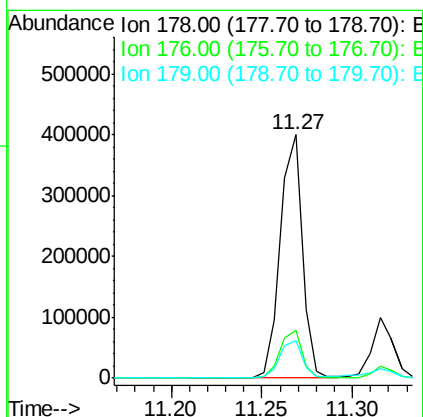
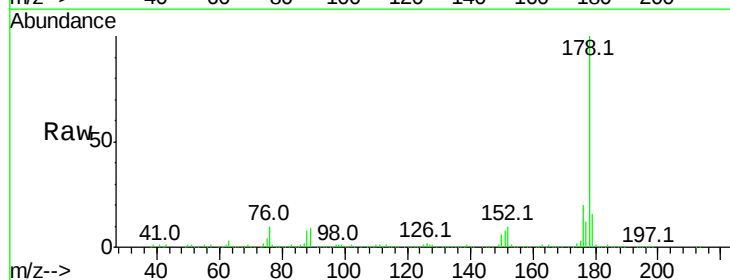
Instrument :
BNA_F
ClientSampleId :
TP-1DL2

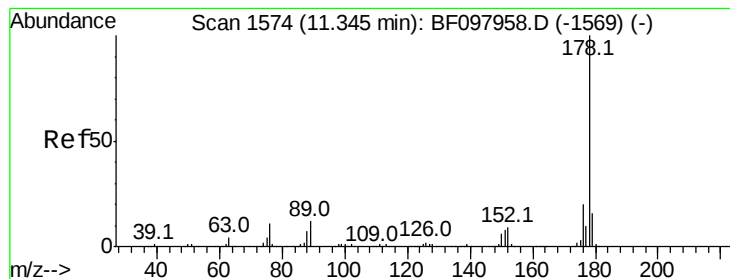
Tot Ion:188 Resp: 239065
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 13.8 10.2 15.2



#70
Phenanthrene
Concen: 26.848 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF098197.D
Acq: 31 Aug 2017 11:38

Tgt Ion:178 Resp: 342025
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.6 12.6 19.0





#71

Anthracene

Concen: 6.165 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.03 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

TP-1DL2

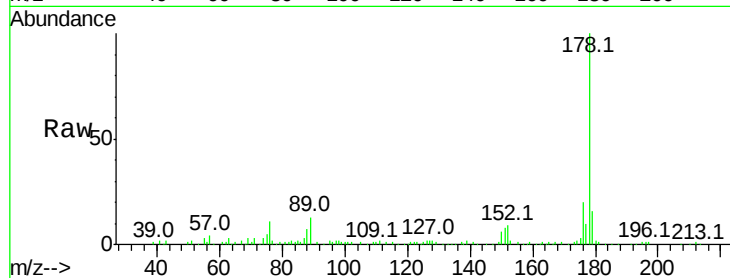
Tot Ion:178 Resp: 79652

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

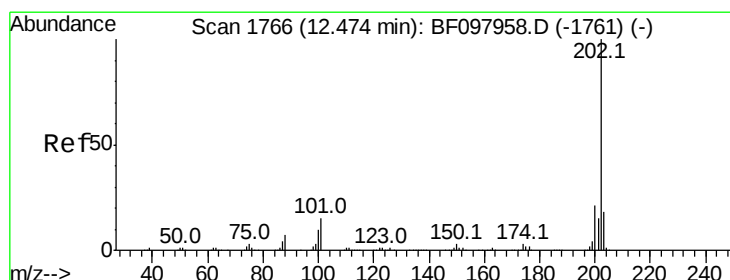
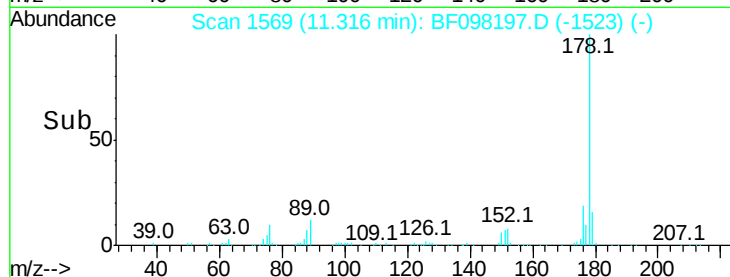
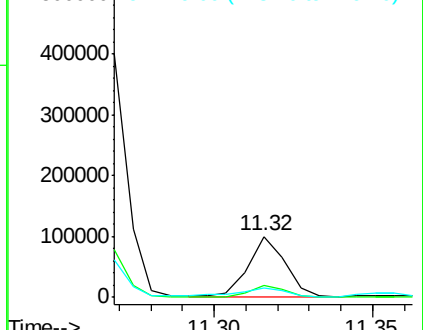
179 16.4 12.7 19.1



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



#74

Fluoranthene

Concen: 7.249 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

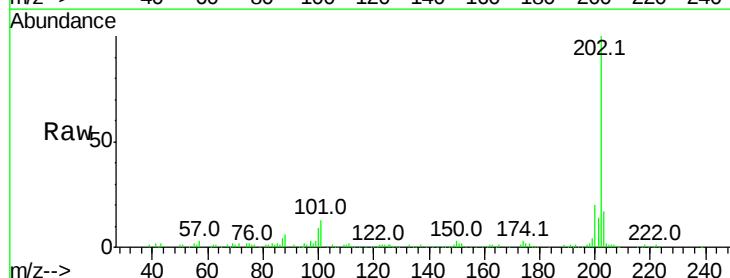
Tgt Ion:202 Resp: 96389

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

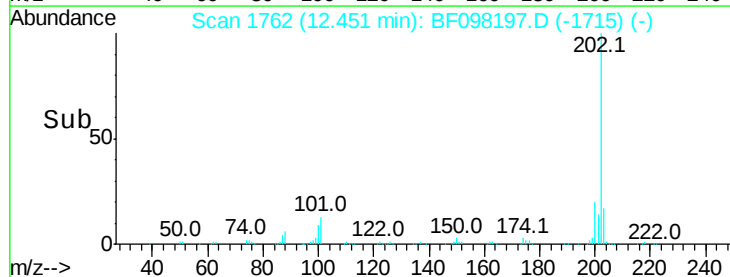
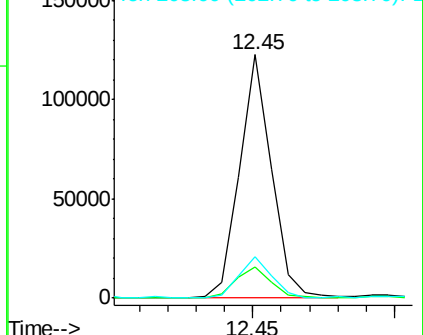
203 17.2 0.0 38.1

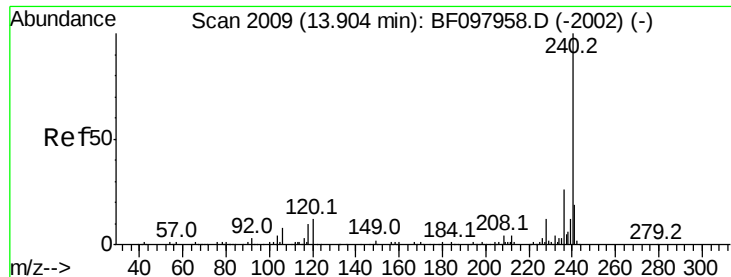


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2004

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

Instrument :

BNA_F

ClientSampleId :

TP-1DL2

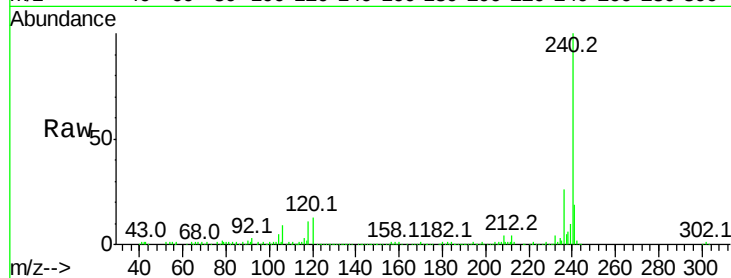
Tot Ion:240 Resp: 209405

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

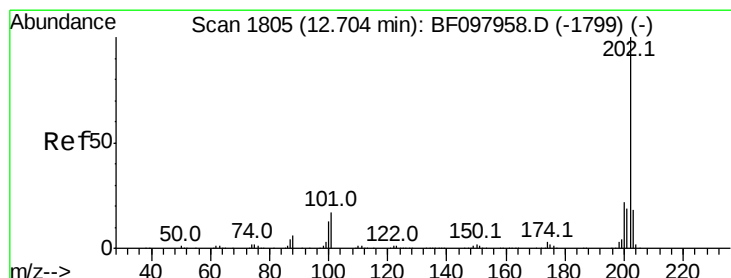
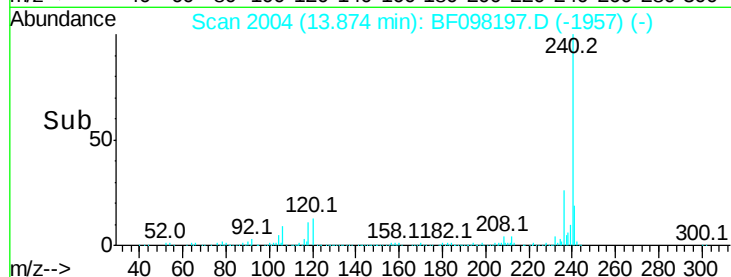
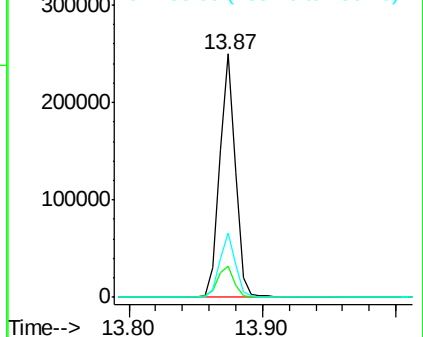
236 26.4 20.5 30.7



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: 4.291 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098197.D

Acq: 31 Aug 2017 11:38

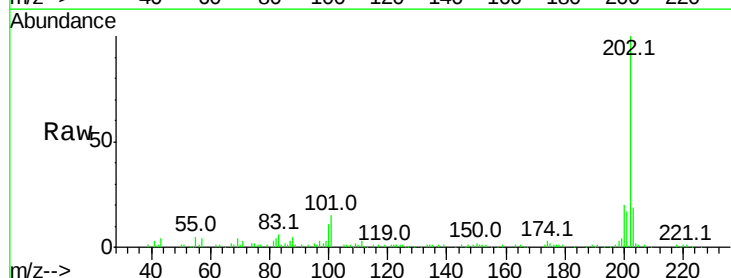
Tgt Ion:202 Resp: 73498

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

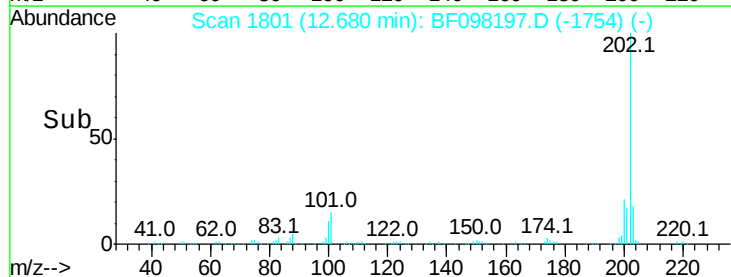
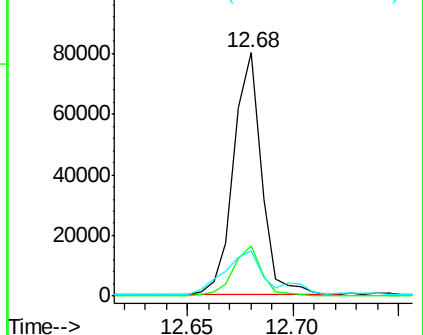
203 18.8 14.4 21.6

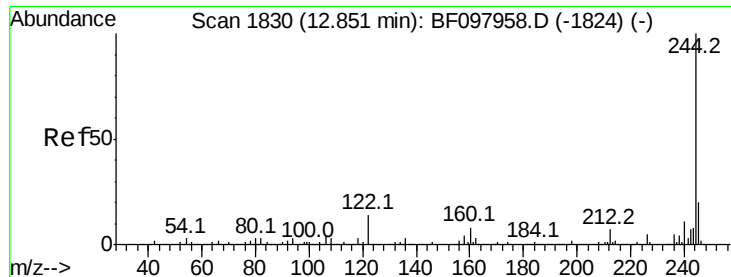


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

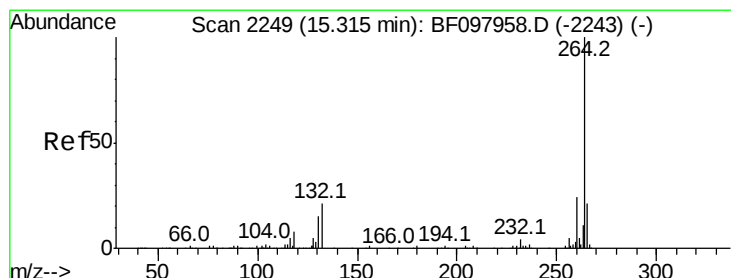
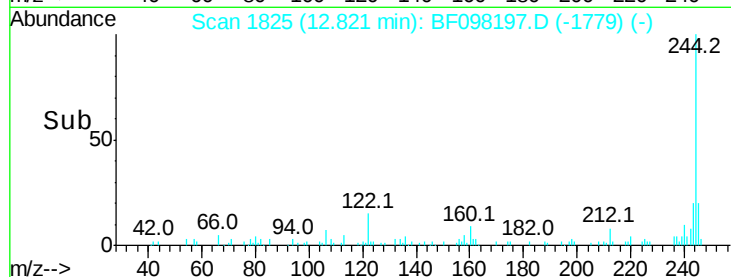
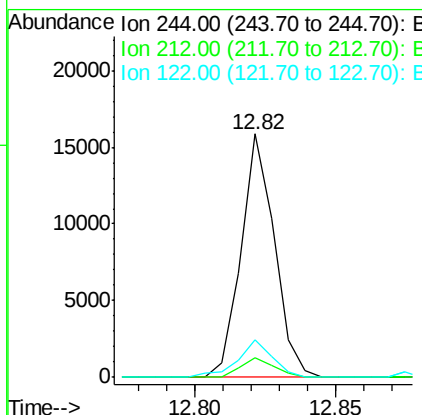
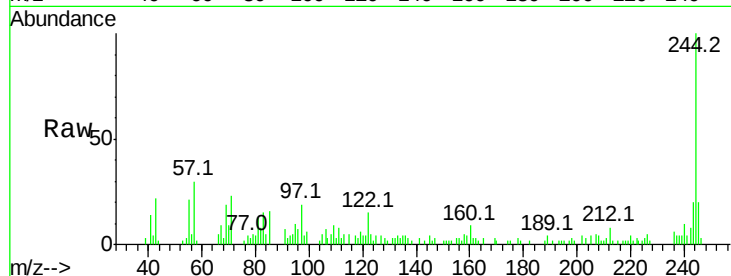




#78
 Terphenyl-d14
 Concen: 1.297 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL2

Tot Ion:244 Resp: 13022
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 15.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. -0.02 min
 Lab File: BF098197.D
 Acq: 31 Aug 2017 11:38

Tgt Ion:264 Resp: 151983
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.5 29.3
 265 21.7 17.2 25.8

