

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098185.D
 Acq On : 31 Aug 2017 6:07
 Operator : SJ/JU
 Sample : I4979-03DL2 100X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL2

Quant Time: Aug 31 08:56:52 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	120883	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	431206	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	161327	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	254216	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	230072	20.00	ng	-0.02
86) Perylene-d12	15.29	264	161142	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	9383	1.18	ng	-0.02
7) Phenol-d6	6.36	99	12495	1.16	ng	-0.02
23) Nitrobenzene-d5	7.29	82	8201	1.03	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	1067	0.76	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	12152	1.11	ng	-0.03
78) Terphenyl-d14	12.82	244	7444	0.67	ng	-0.03

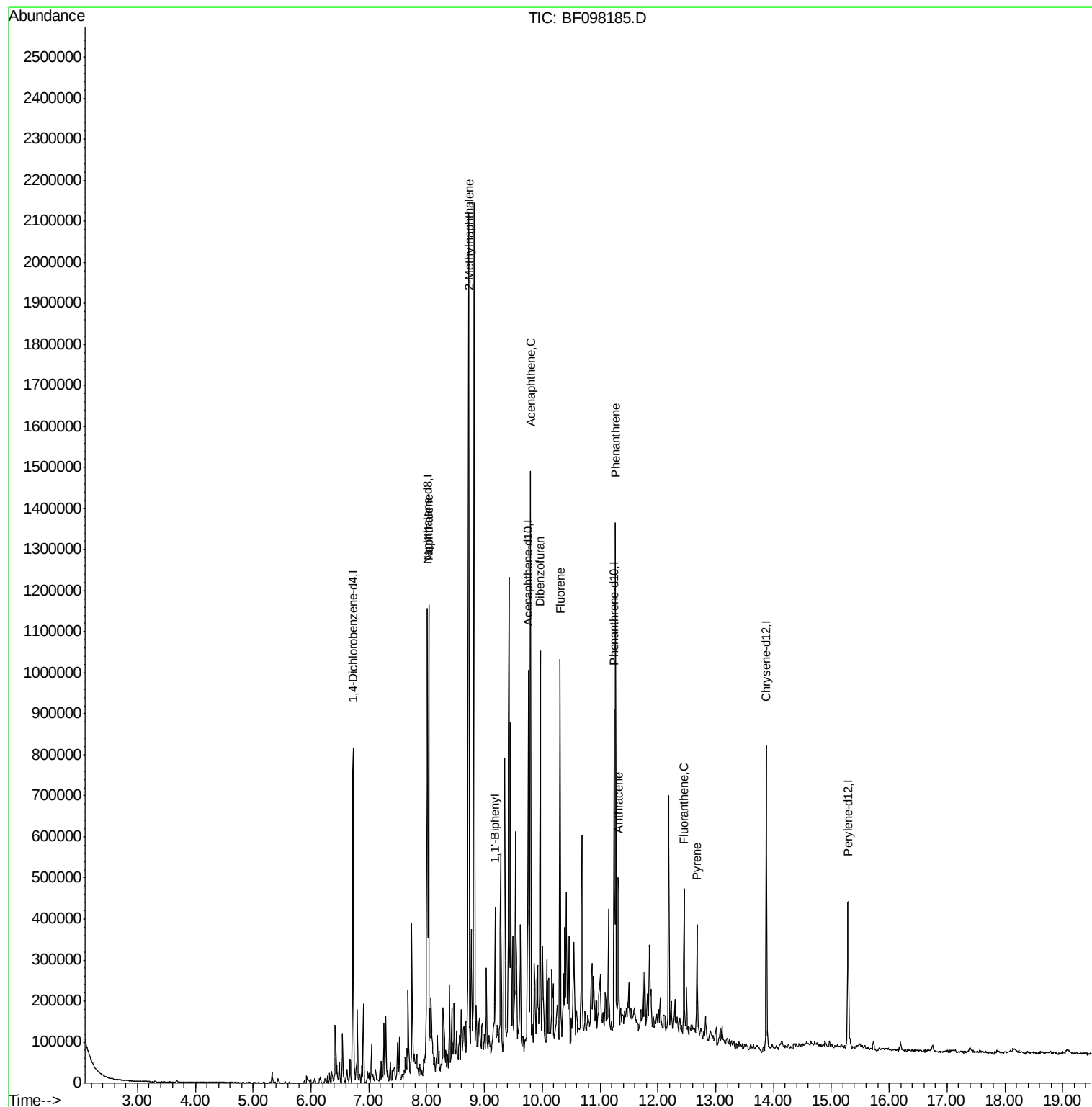
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	420909	18.802	ng	99
37) 2-Methylnaphthalene	8.73	142	559530	40.768	ng	99
45) 1,1'-Biphenyl	9.19	154	91629	6.228	ng	96
51) Acenaphthene	9.80	154	290080	26.945	ng	99
54) Dibenzofuran	9.97	168	295013	20.447	ng	95
57) Fluorene	10.31	166	242252	21.716	ng	96
70) Phenanthrene	11.27	178	395620	29.205	ng	100
71) Anthracene	11.32	178	135282	9.846	ng	98
74) Fluoranthene	12.45	202	123791	8.755	ng	99
77) Pyrene	12.68	202	97874	5.201	ng	97

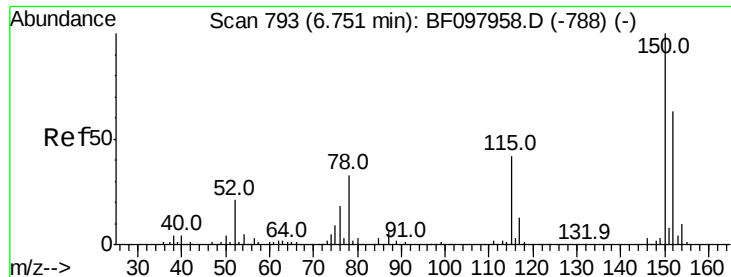
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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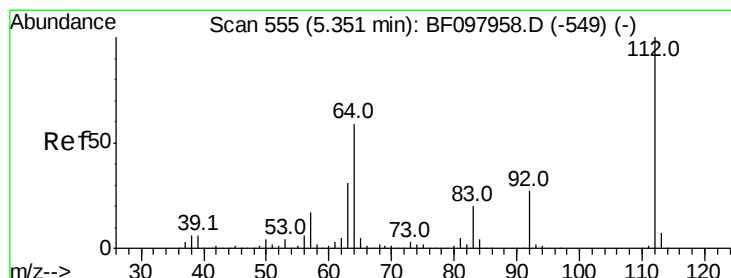
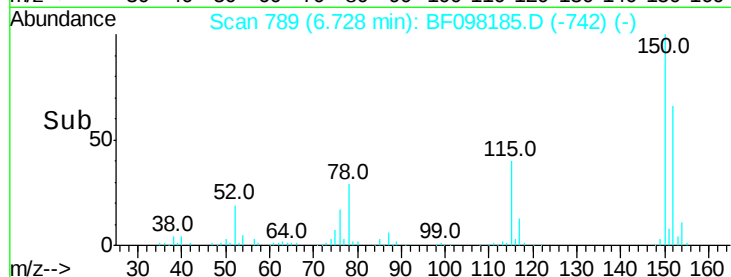
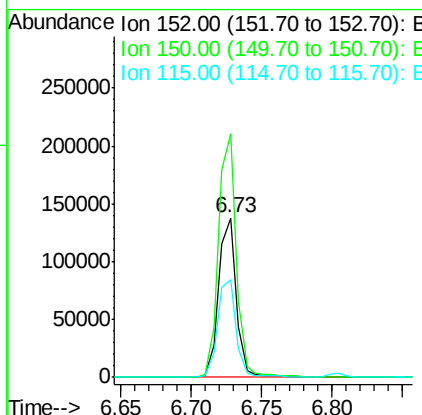
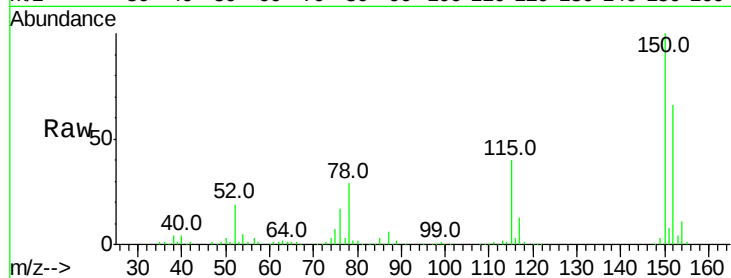


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :
TP-3DL2

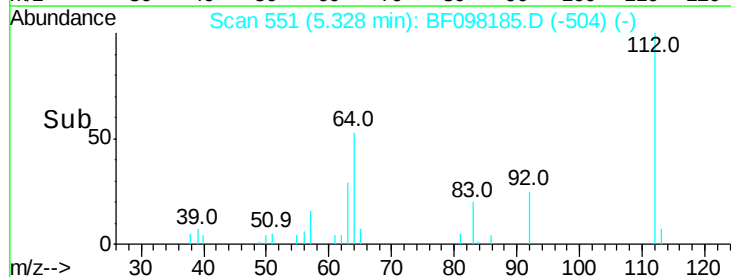
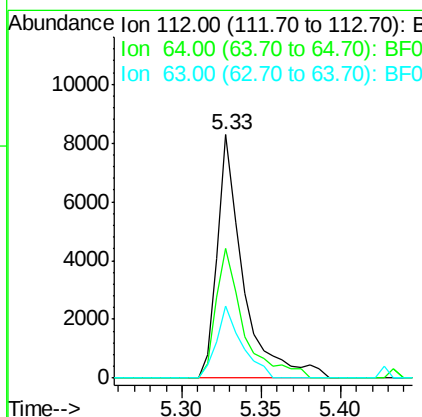
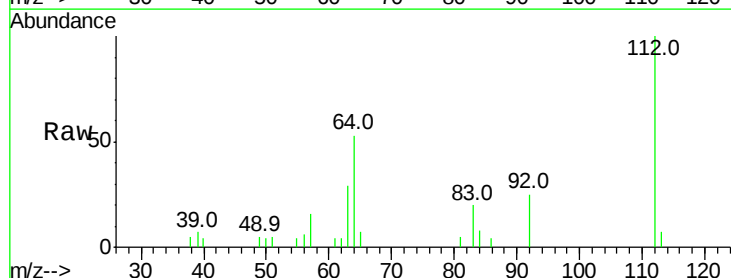
Tot Ion:152 Resp: 120883
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.2
115 61.5 52.2 78.2

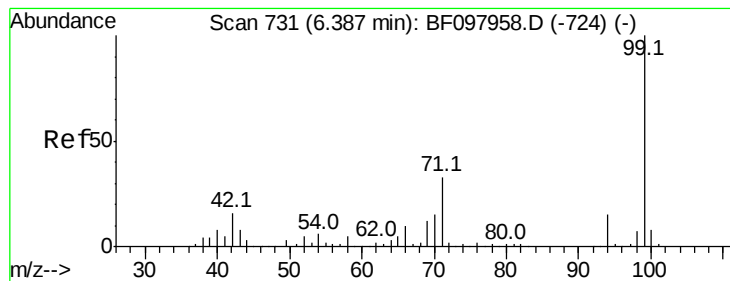


#5

2-Fluorophenol
Concen: 1.181 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion:112 Resp: 9383
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 29.4 23.4 35.0





#7

Phenol-d6

Concen: 1.157 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

TP-3DL2

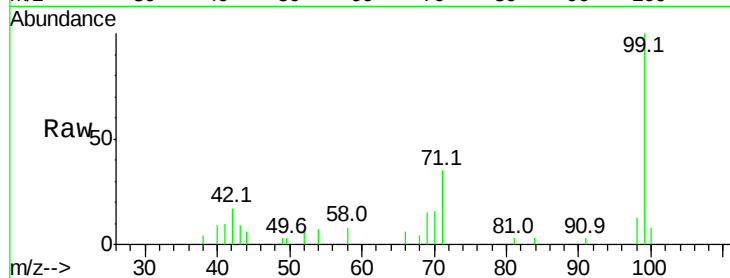
Tot Ion: 99 Resp: 12495

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

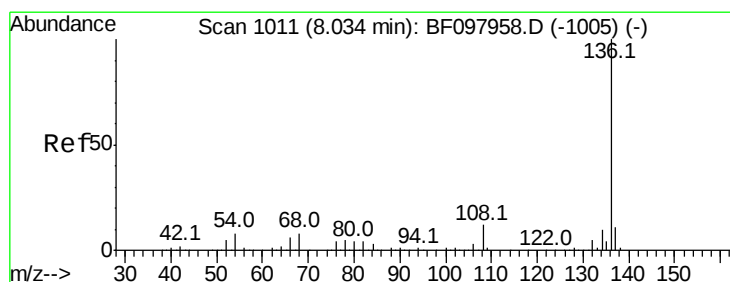
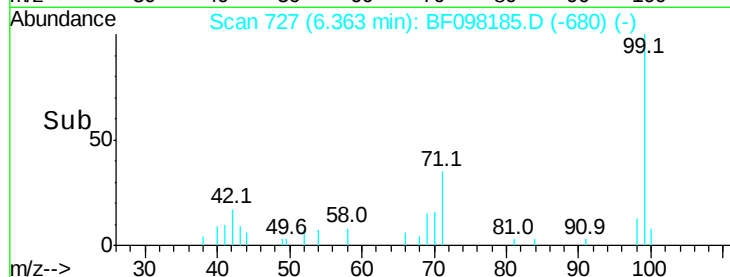
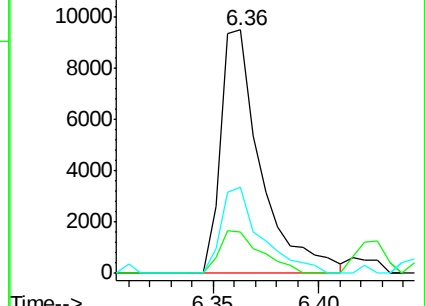
71 35.3 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Tgt Ion: 136 Resp: 431206

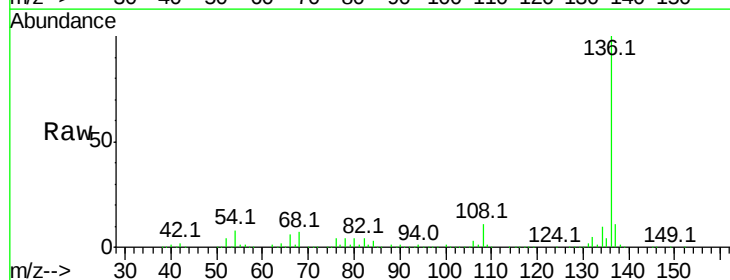
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.8 4.9 7.3#

68 7.4 4.1 6.1#

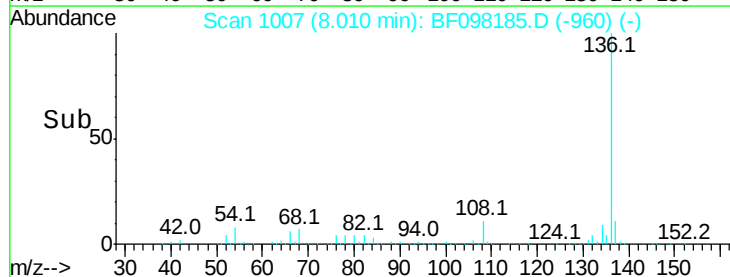
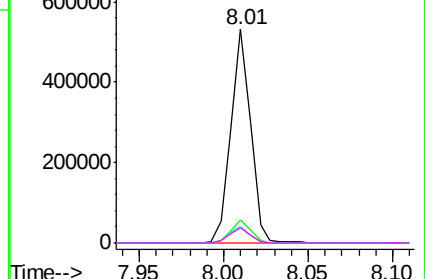


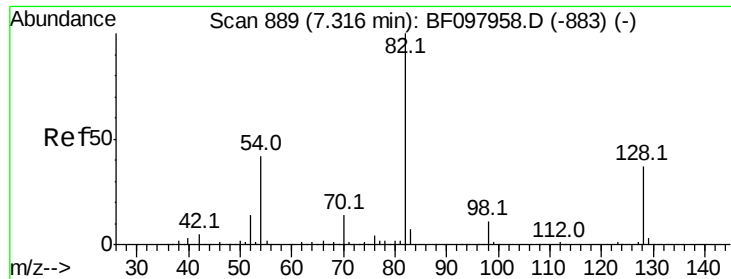
Abundance Ion 136.00 (135.70 to 136.70): E

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

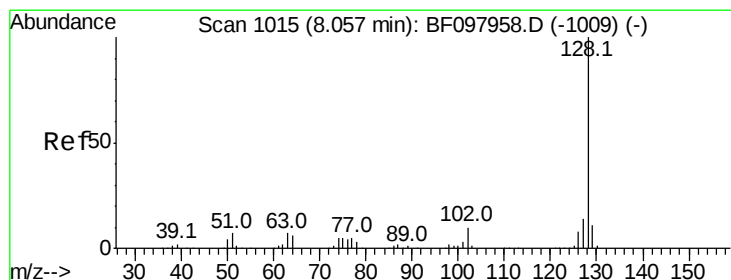
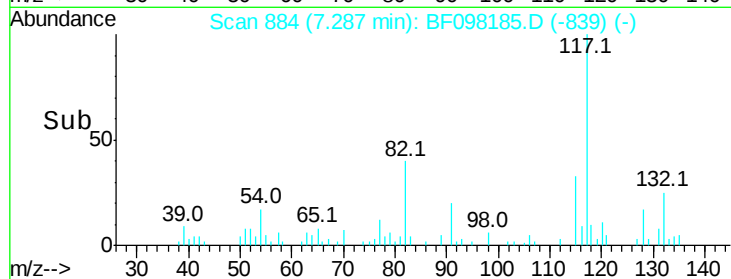
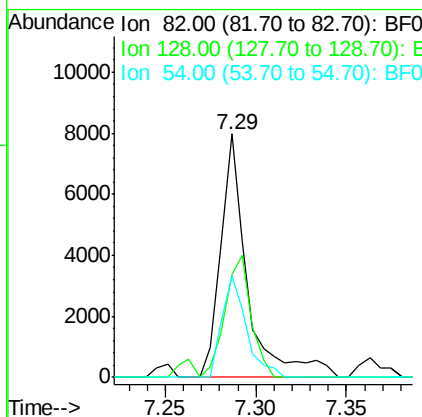
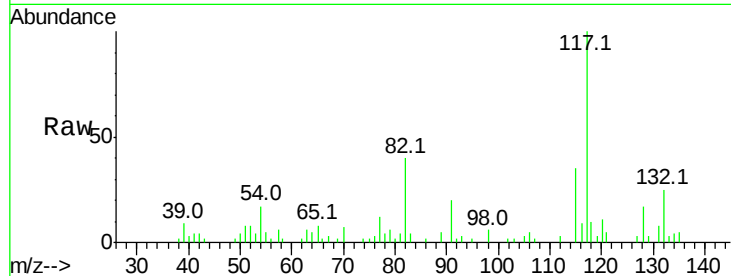




#23
Nitrobenzene-d5
Concen: 1.033 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

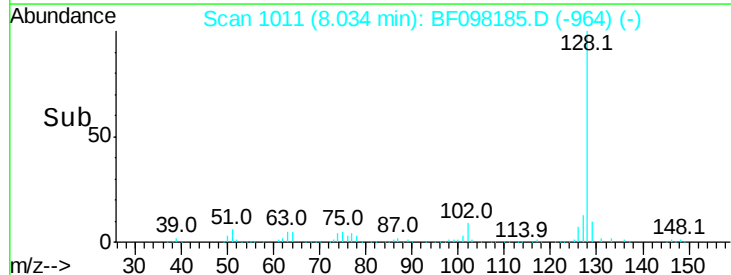
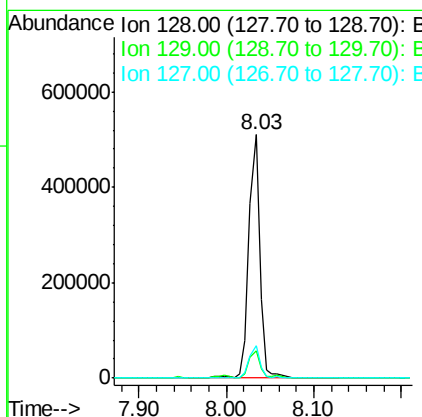
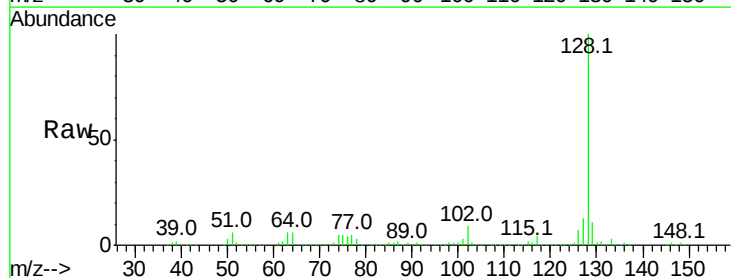
Instrument :
BNA_F
ClientSampleId :
TP-3DL2

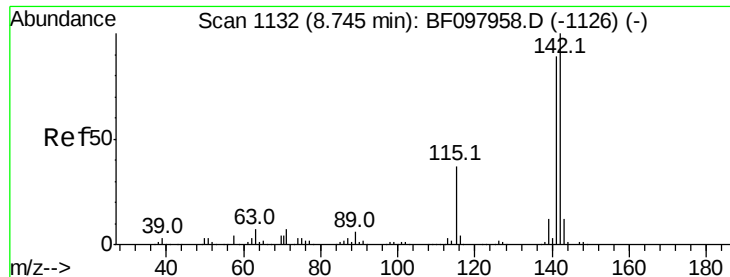
Tot Ion: 82 Resp: 8201
Ion Ratio Lower Upper
82 100
128 42.1 34.0 51.0
54 41.8 42.2 63.2#



#31
Naphthalene
Concen: 18.802 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion:128 Resp: 420909
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.2 10.8 16.2

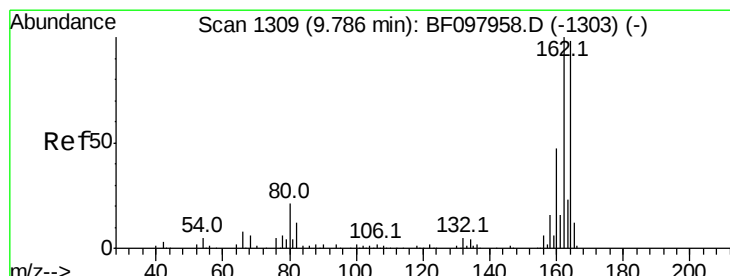
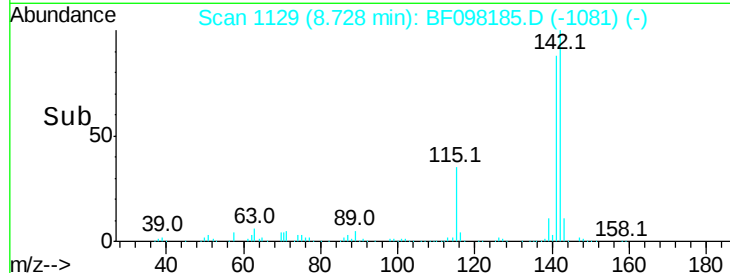
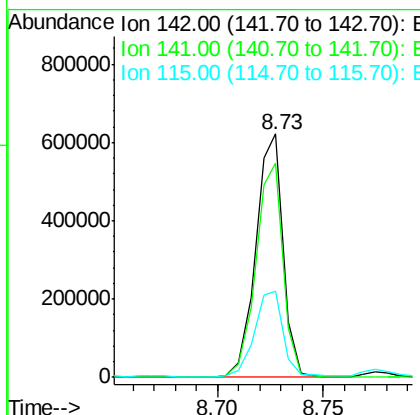
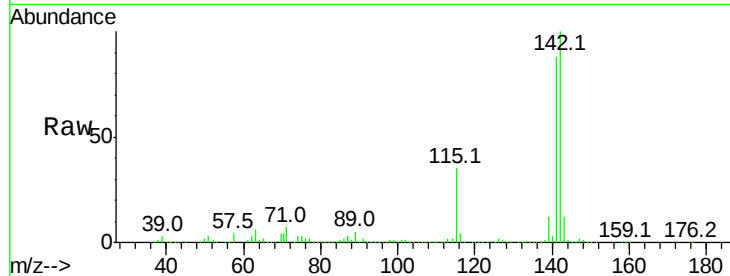




#37
 2-Methylnaphthalene
 Concen: 40.768 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

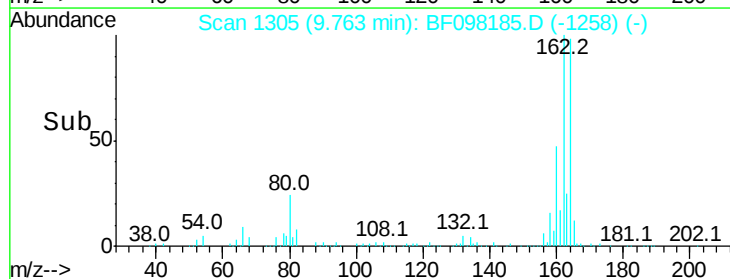
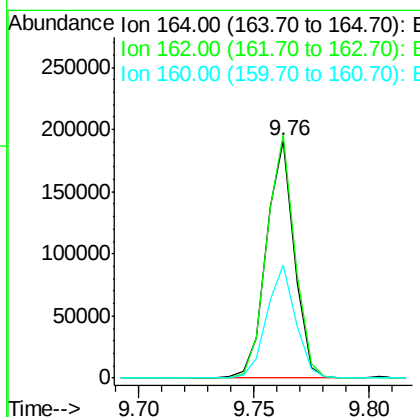
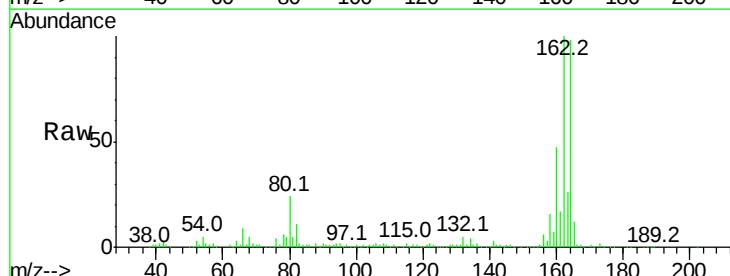
Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL2

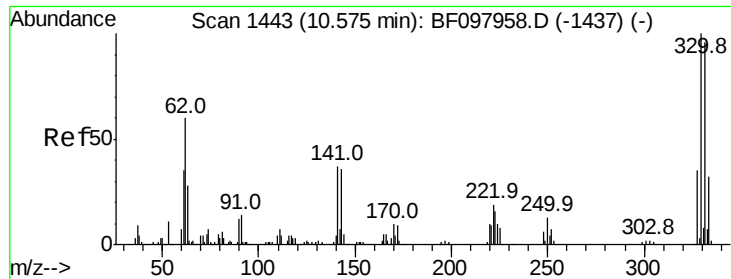
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	35.4	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	47.8	36.2	54.2

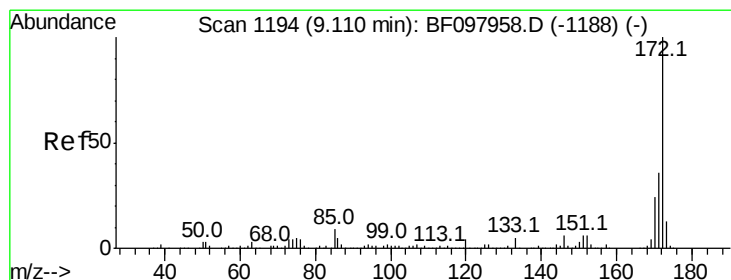
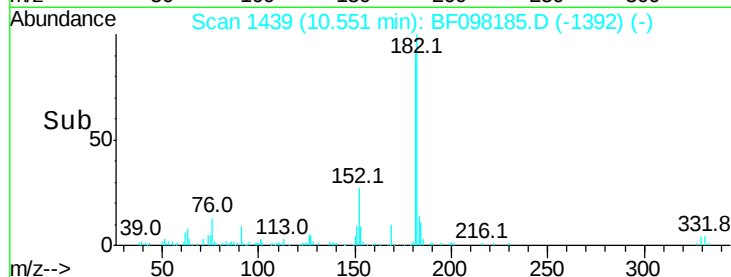
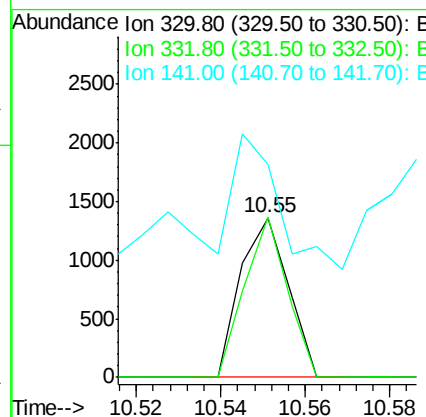
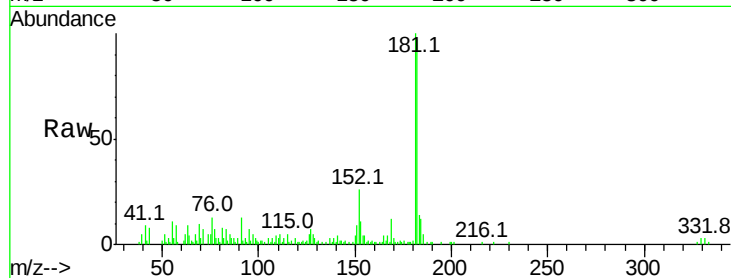




#41
 2,4,6-Tribromophenol
 Concen: 0.762 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

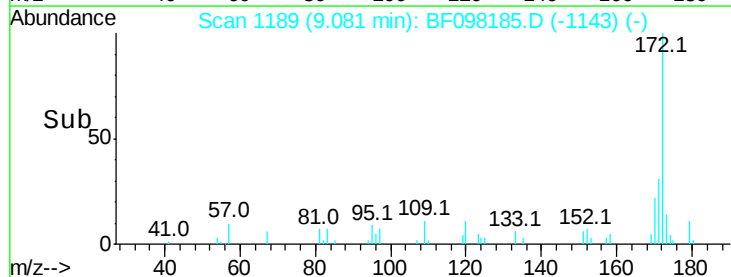
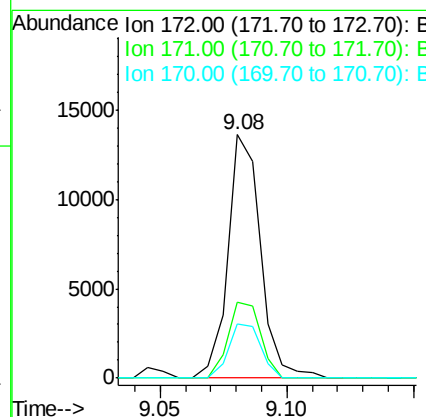
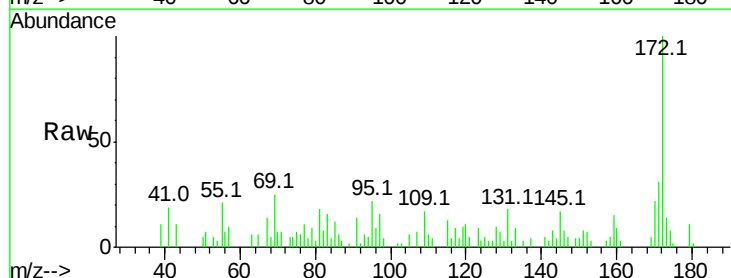
Instrument :
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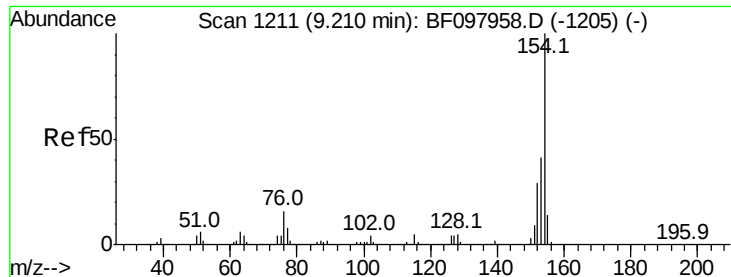
Tot Ion:330 Resp: 1067
 Ion Ratio Lower Upper
 330 100
 332 89.6 76.6 115.0
 141 119.7 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 1.107 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion:172 Resp: 12152
 Ion Ratio Lower Upper
 172 100
 171 31.3 29.6 44.4
 170 22.3 19.8 29.8

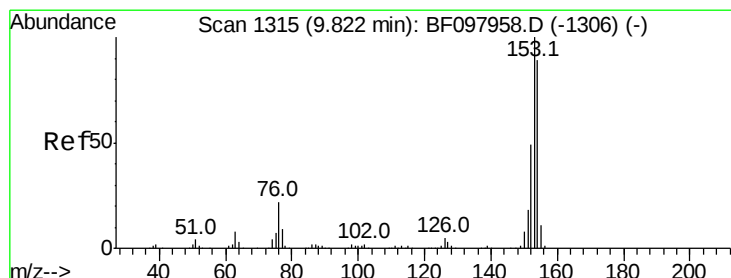
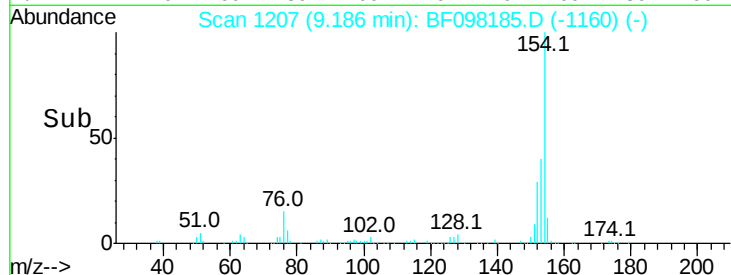
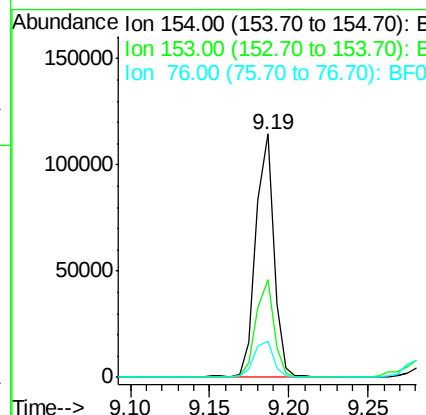
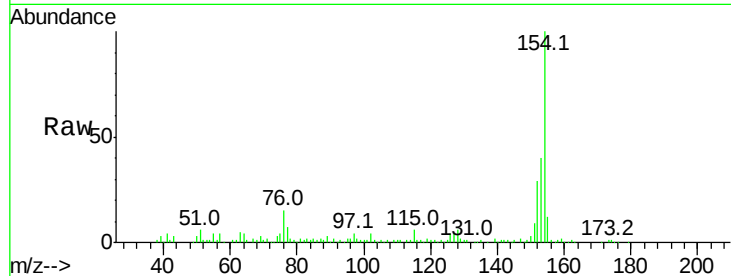




#45
 1,1'-Biphenyl
 Concen: 6.228 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

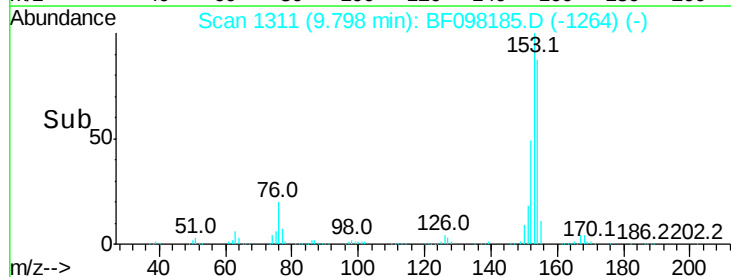
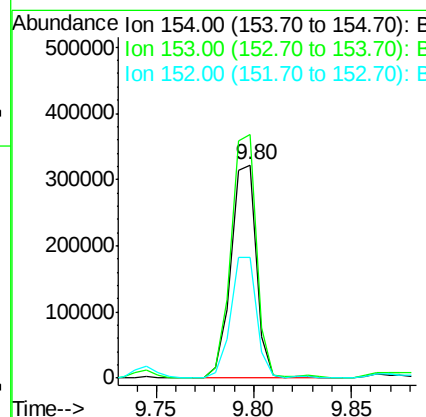
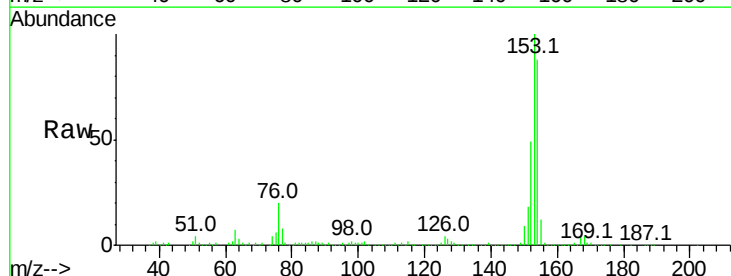
Instrument :
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 ClientSampleId :
 TP-3DL2

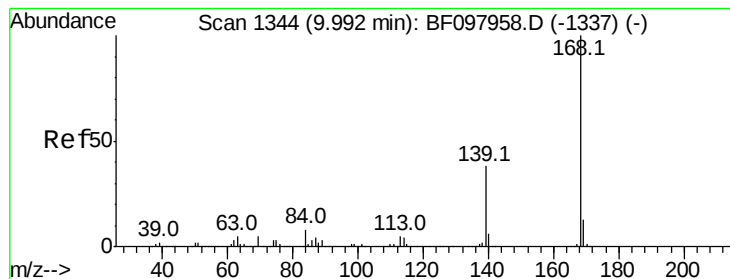
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	14.9	0.0	29.9



#51
 Acenaphthene
 Concen: 26.945 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.5	135.7
152	56.4	43.6	65.4





#54

Dibenzofuran

Concen: 20.447 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

TP-3DL2

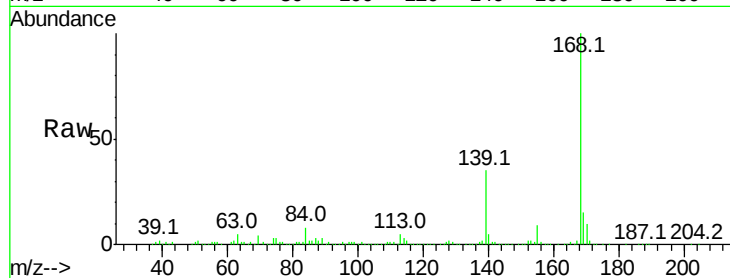
Tot Ion:168 Resp: 295013

Ion Ratio Lower Upper

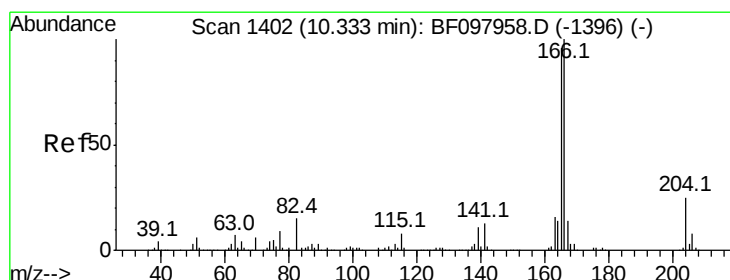
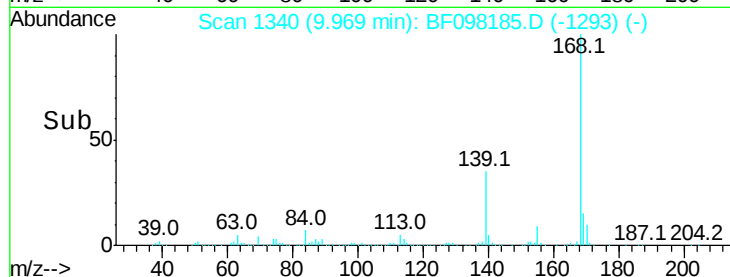
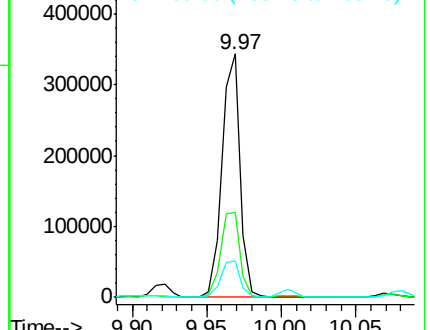
168 100

139 35.1 30.6 45.8

169 15.0 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: 21.716 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

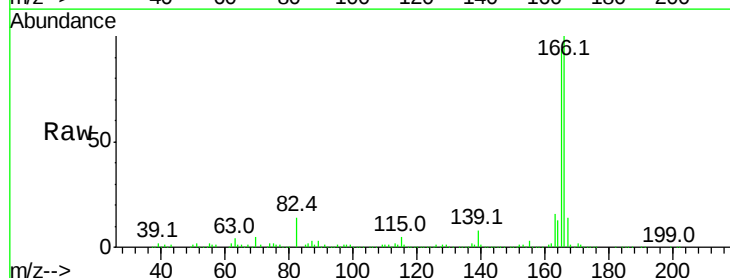
Tgt Ion:166 Resp: 242252

Ion Ratio Lower Upper

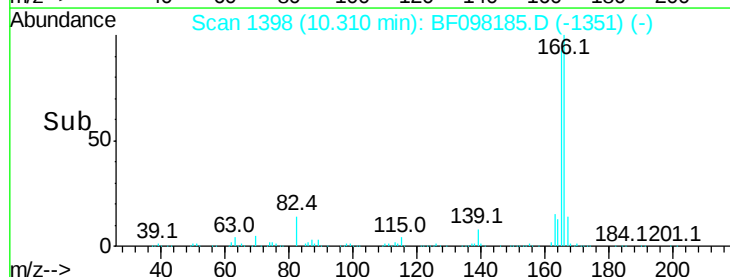
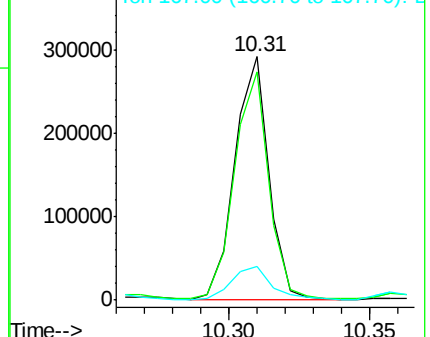
166 100

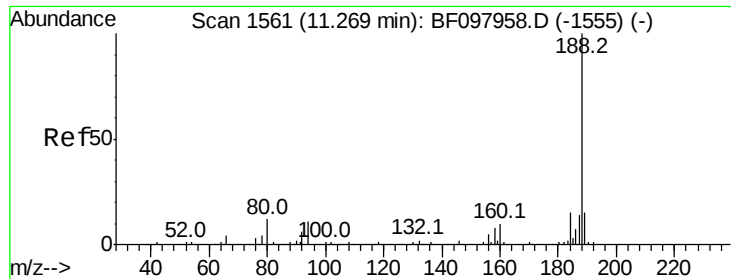
165 93.7 78.8 118.2

167 13.7 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

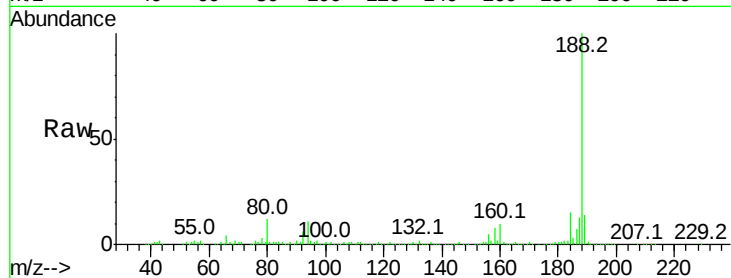




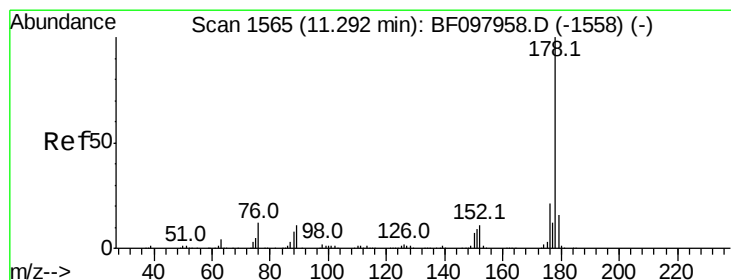
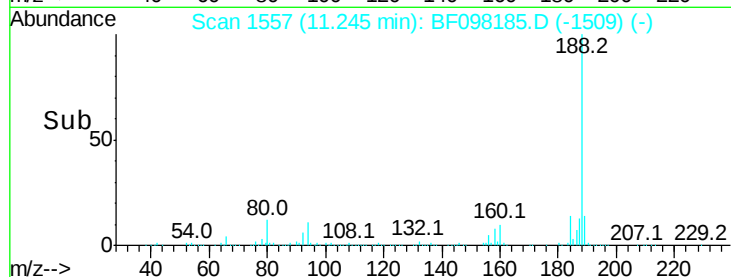
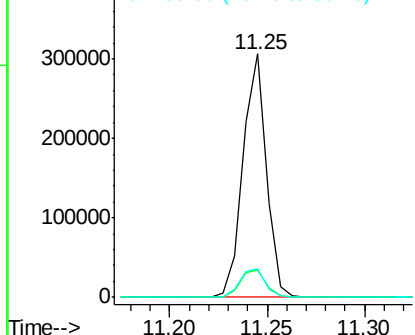
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :
TP-3DL2

Tot Ion:188 Resp: 254216
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.7 10.2 15.2

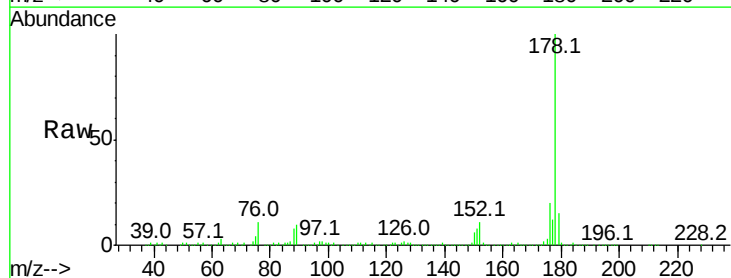


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

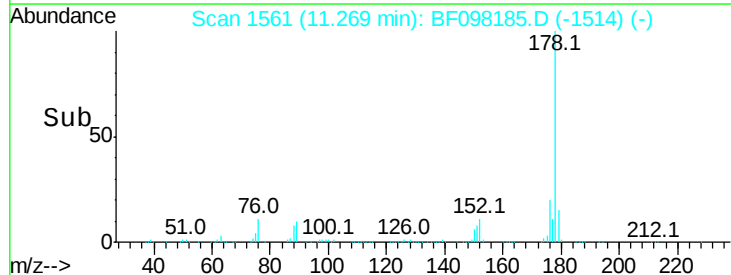
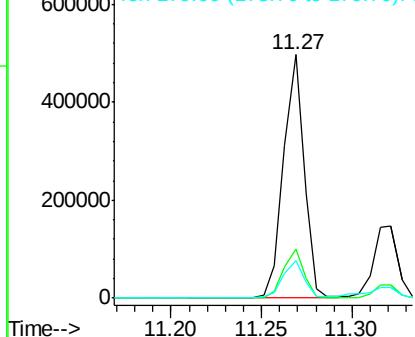


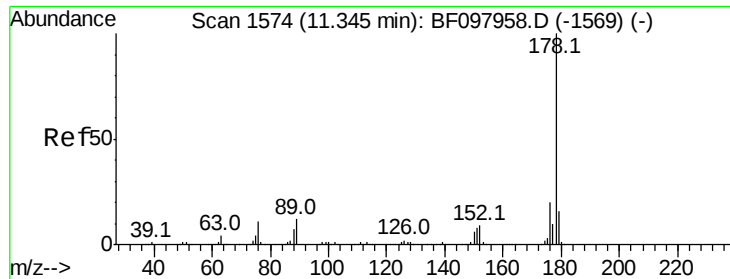
#70
Phenanthrene
Concen: 29.205 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF098185.D
Acq: 31 Aug 2017 6:07

Tgt Ion:178 Resp: 395620
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 15.4 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

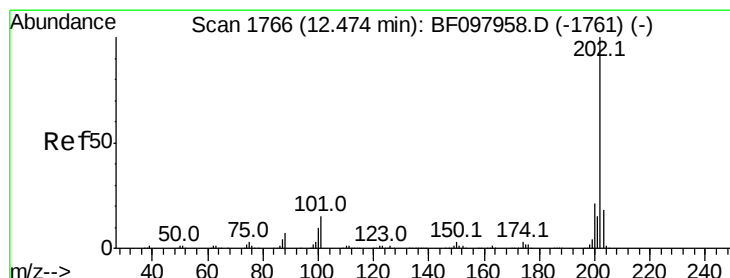
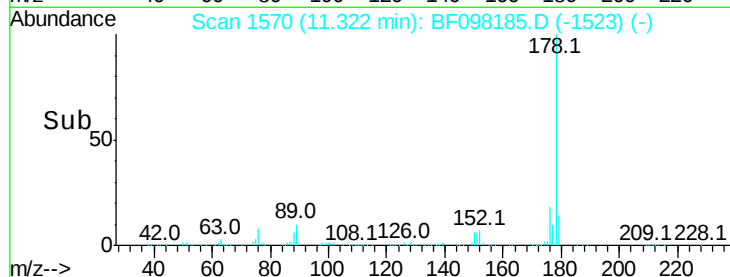
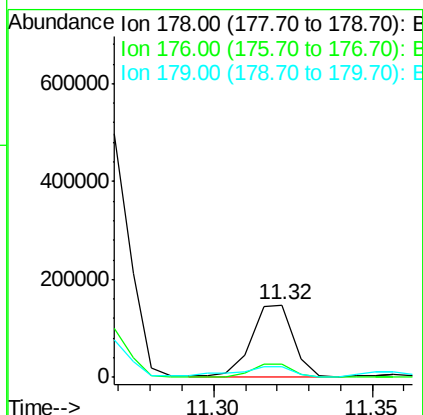
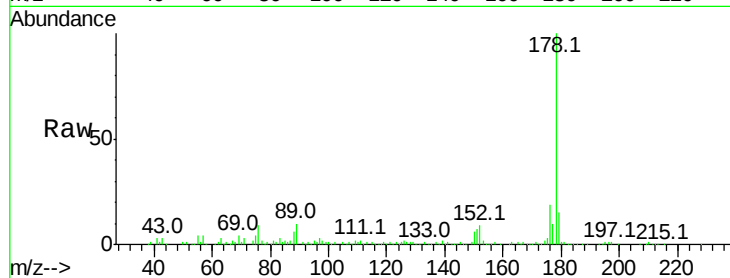




#71
 Anthracene
 Concen: 9.846 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

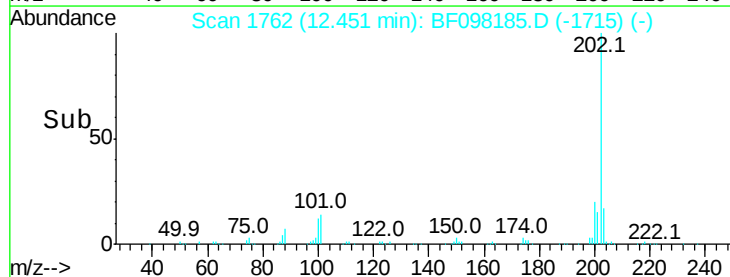
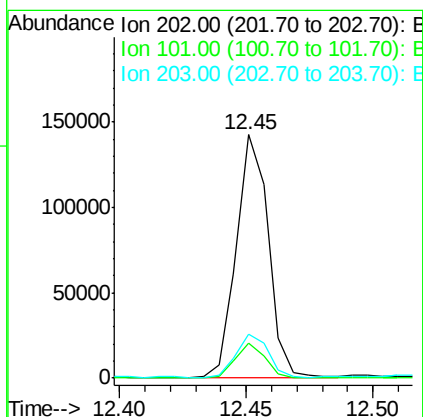
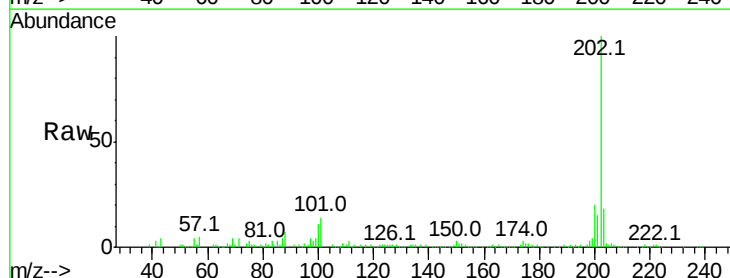
Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL2

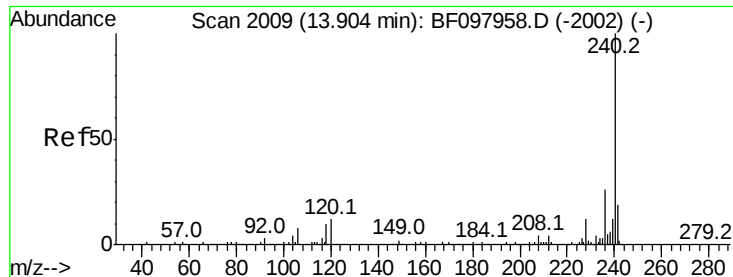
Tot Ion:178 Resp: 135282
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.1 12.7 19.1



#74
 Fluoranthene
 Concen: 8.755 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF098185.D
 Acq: 31 Aug 2017 6:07

Tgt Ion:202 Resp: 123791
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

TP-3DL2

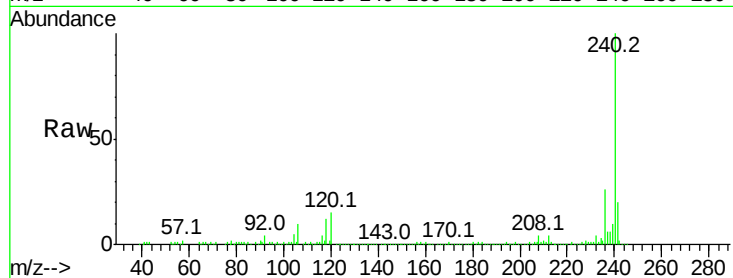
Tot Ion:240 Resp: 230072

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

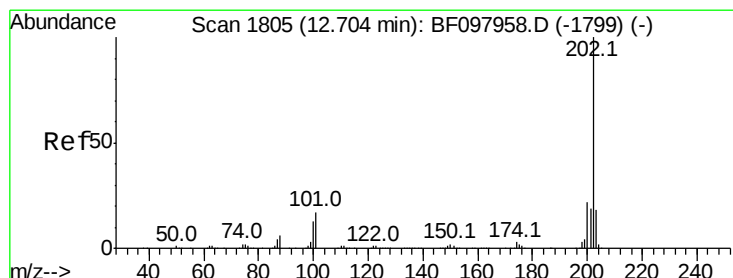
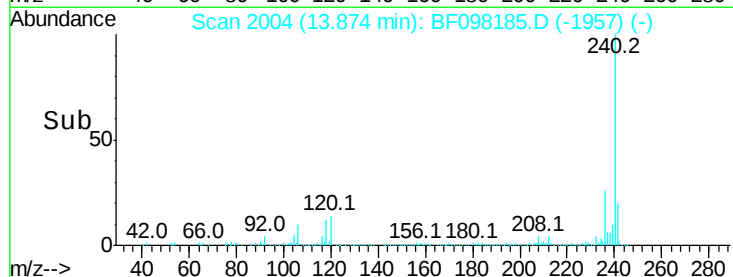
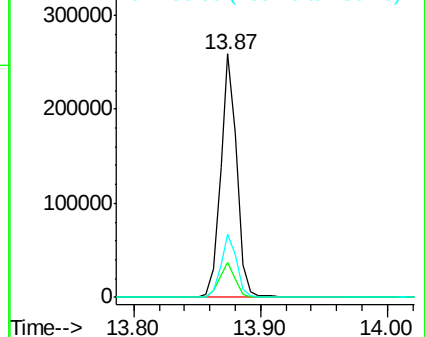
236 25.9 20.5 30.7



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: 5.201 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

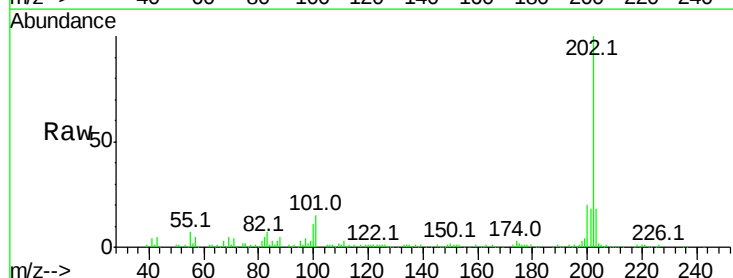
Tgt Ion:202 Resp: 97874

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

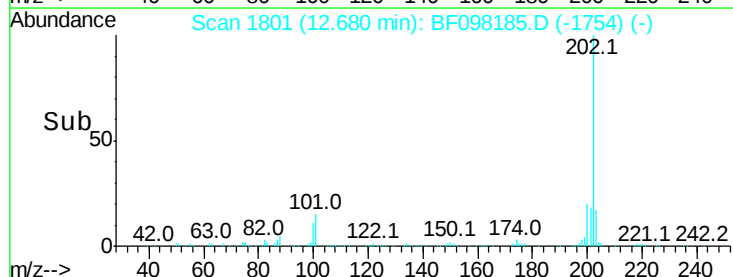
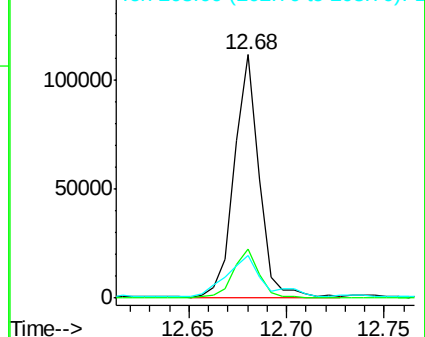
203 17.6 14.4 21.6

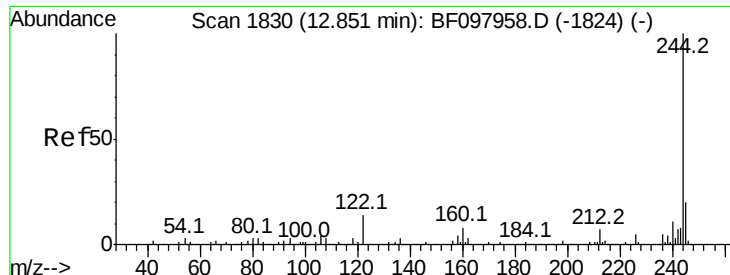


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.675 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

TP-3DL2

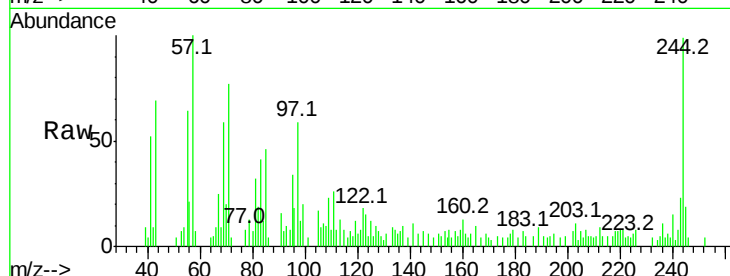
Tot Ion:244 Resp: 7444

Ion Ratio Lower Upper

244 100

212 9.5 6.0 9.0#

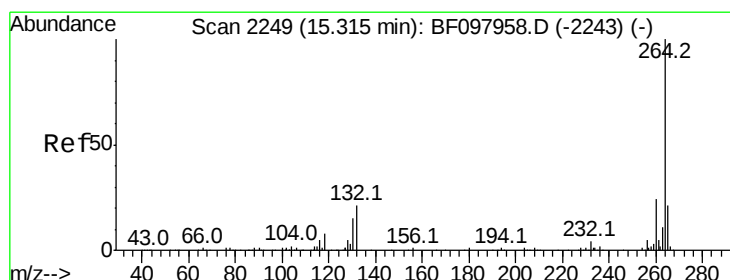
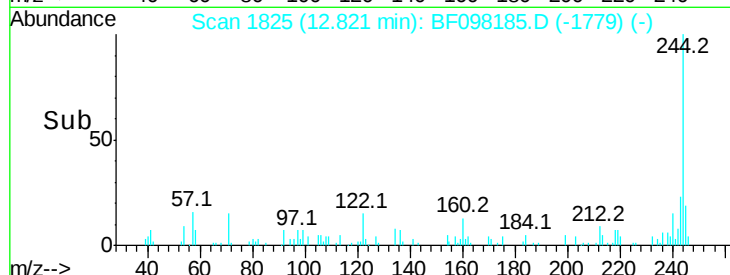
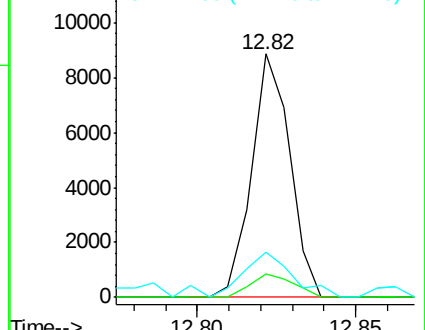
122 18.4 10.3 15.5#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF098185.D

Acq: 31 Aug 2017 6:07

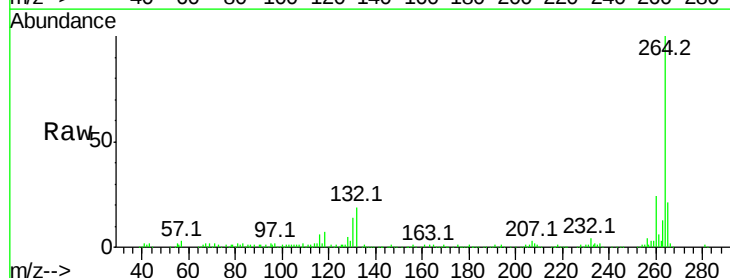
Tgt Ion:264 Resp: 161142

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.1 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

