

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104139.D
 Acq On : 2 Apr 2018 17:00
 Operator : JU/SJ
 Sample : J2173-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW24S-GW

Quant Time: Apr 03 01:10:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

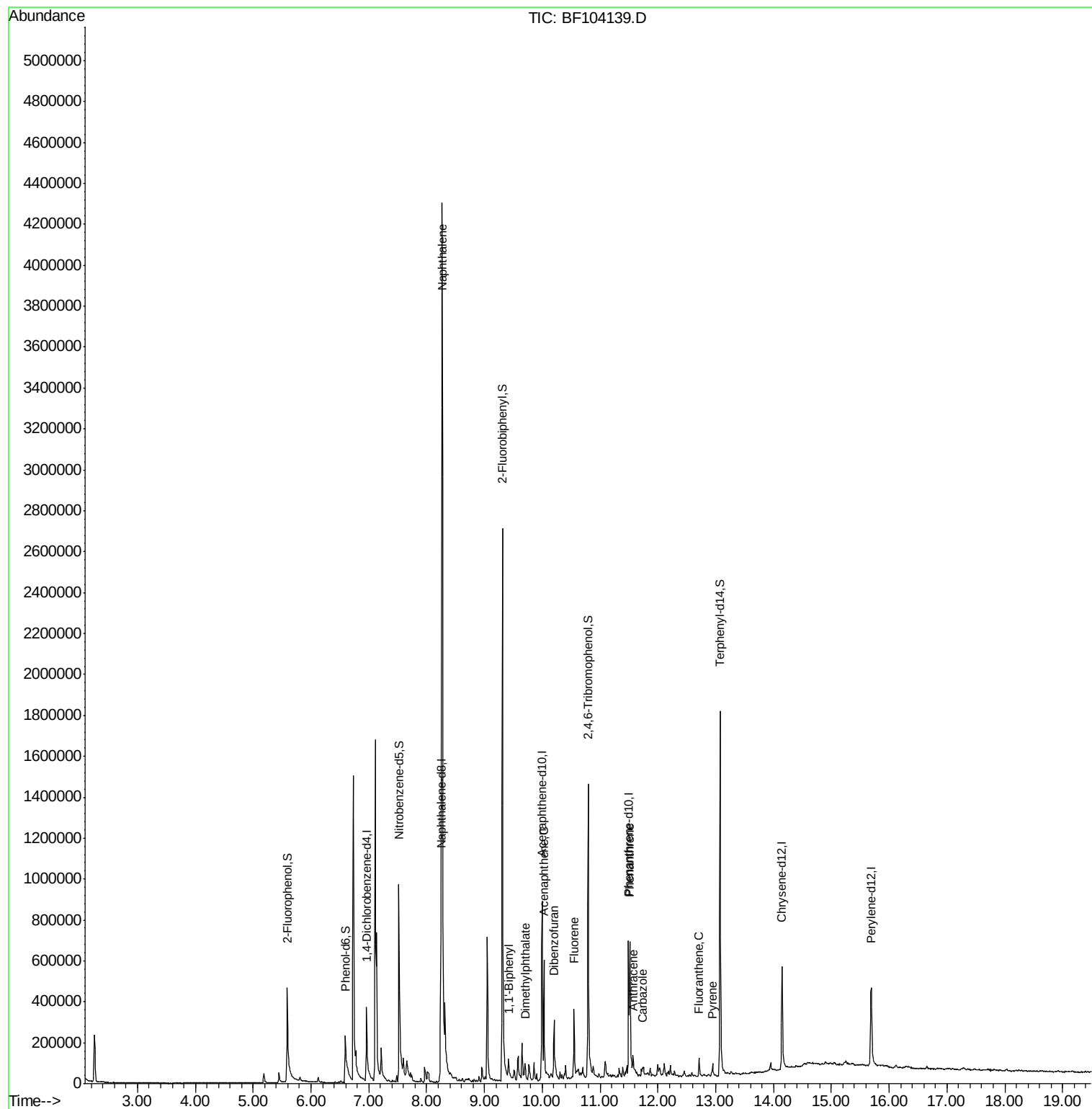
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	101451	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	406533	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	198096	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	322889	20.00	ng	0.00
75) Chrysene-d12	14.15	240	228547	20.00	ng	0.00
86) Perylene-d12	15.69	264	236204	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	302117	47.49	ng	0.00
7) Phenol-d6	6.59	99	237084	30.29	ng	0.00
23) Nitrobenzene-d5	7.52	82	551654	82.99	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	231176	104.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1083798	86.27	ng	0.00
78) Terphenyl-d14	13.08	244	759469	76.73	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	2802615	141.115	ng	99
45) 1,1'-Biphenyl	9.42	154	46284	2.722	ng	98
49) Dimethylphthalate	9.70	163	37745	2.413	ng	98
51) Acenaphthene	10.03	154	141580	12.046	ng	99
54) Dibenzofuran	10.20	168	164020	9.556	ng	99
57) Fluorene	10.55	166	137932	9.742	ng	99
70) Phenanthrene	11.52	178	276771	15.832	ng	98
71) Anthracene	11.57	178	72506	3.971	ng	99
72) Carbazole	11.74	167	37438	2.148	ng	99
74) Fluoranthene	12.71	202	44457	2.392	ng	97
77) Pyrene	12.95	202	33047	2.011	ng	96

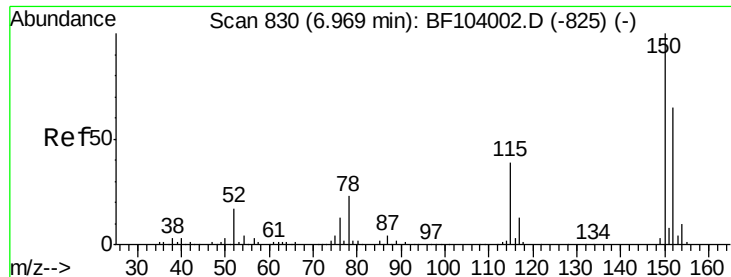
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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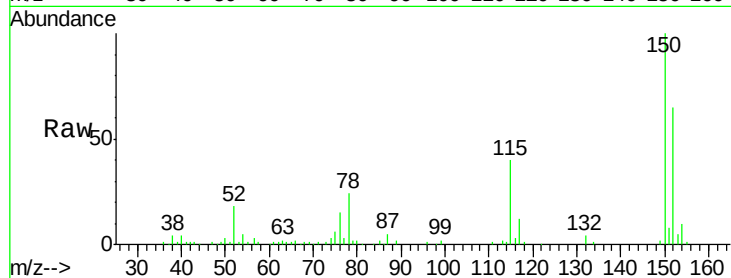


#1

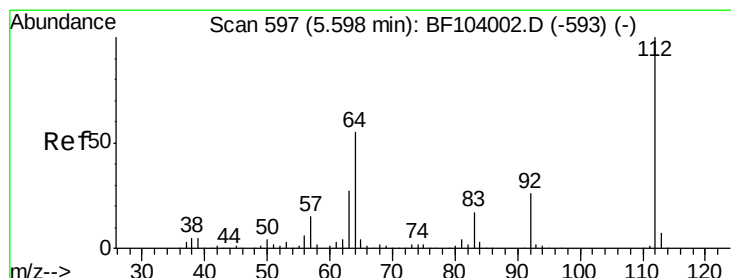
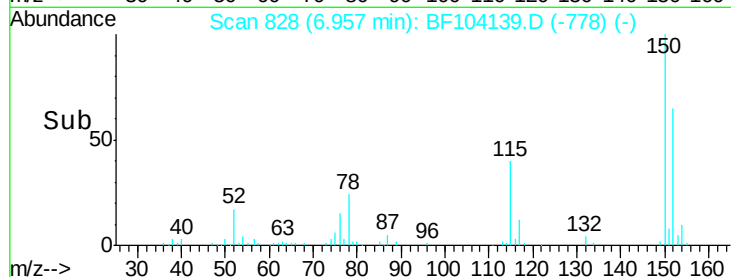
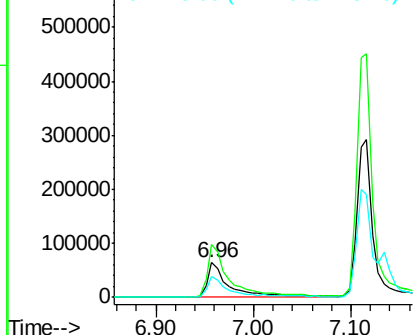
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW24S-GW

Tot Ion:152 Resp: 101451
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 61.6 50.1 75.1



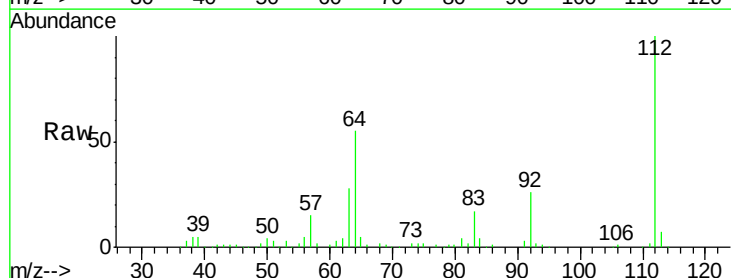
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



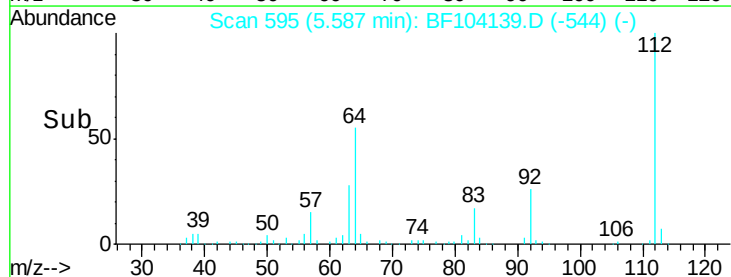
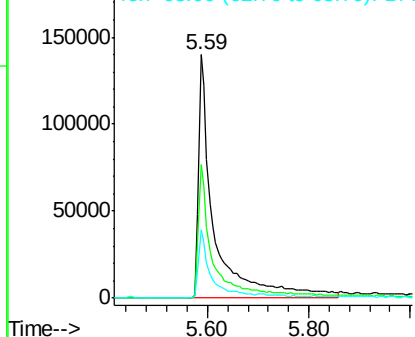
#5

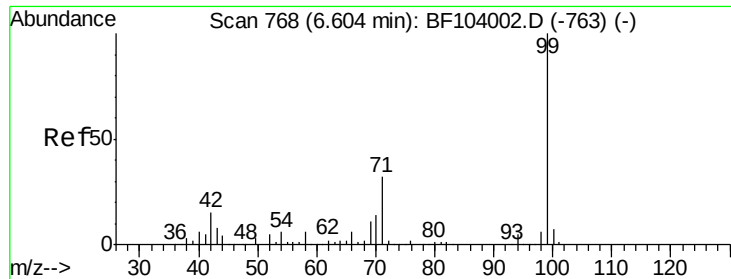
2-Fluorophenol
Concen: 47.491 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:112 Resp: 302117
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.292 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW24S-GW

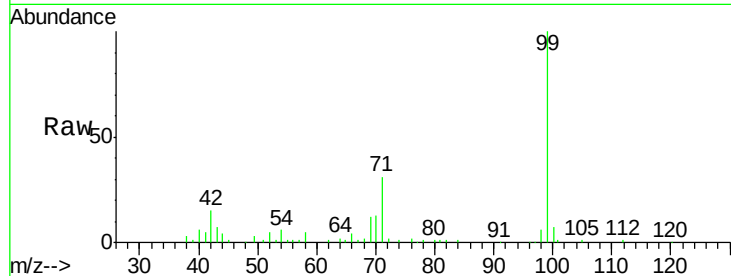
Tot Ion: 99 Resp: 237084

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

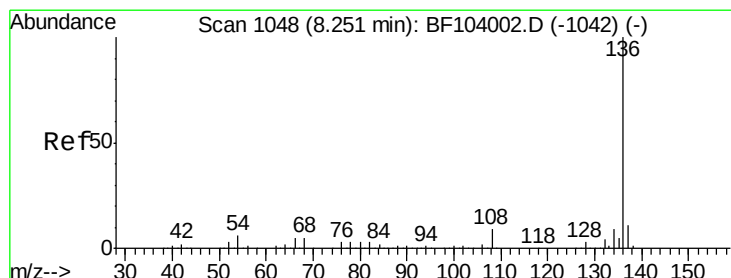
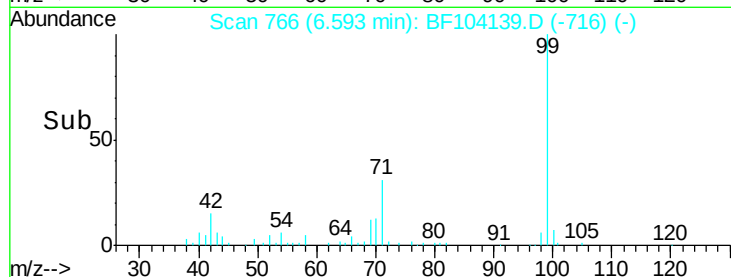
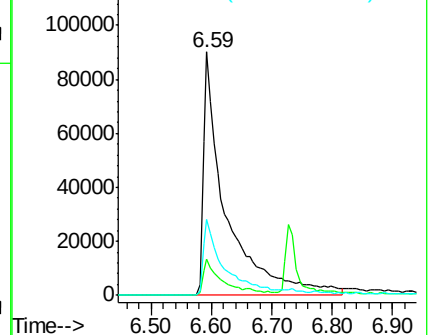
71 31.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Tgt Ion: 136 Resp: 406533

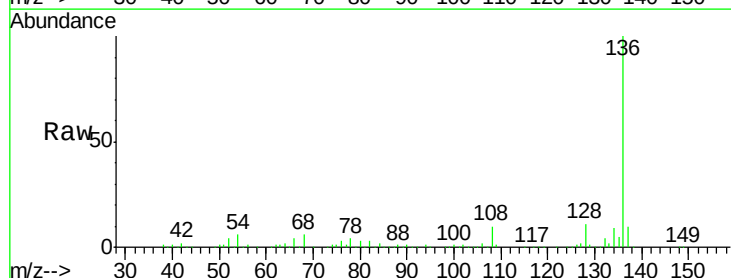
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.3 6.6 9.8#

68 5.7 5.0 7.4

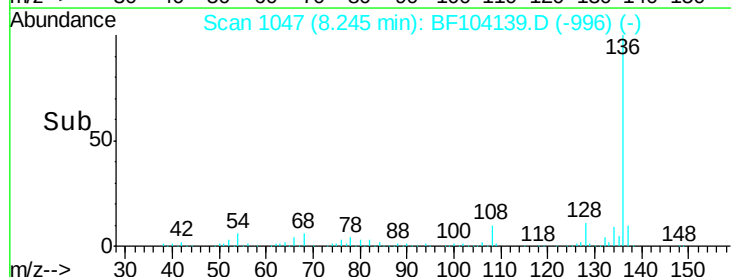
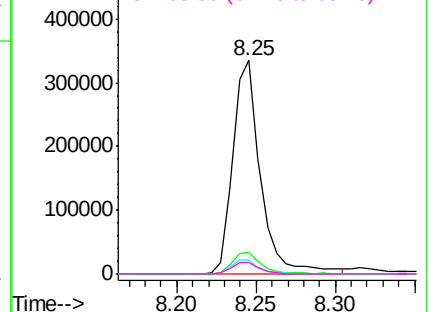


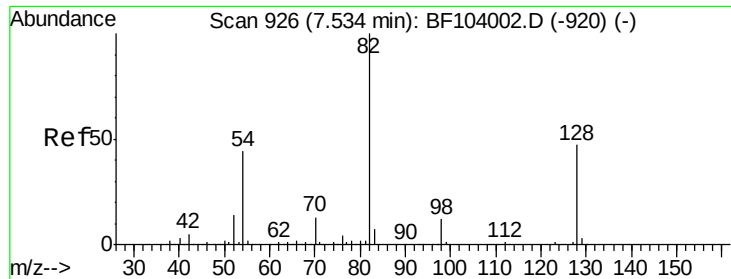
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

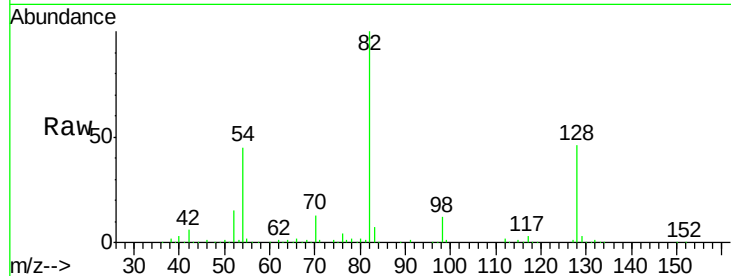




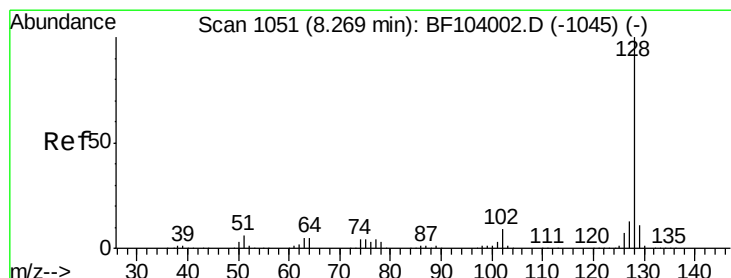
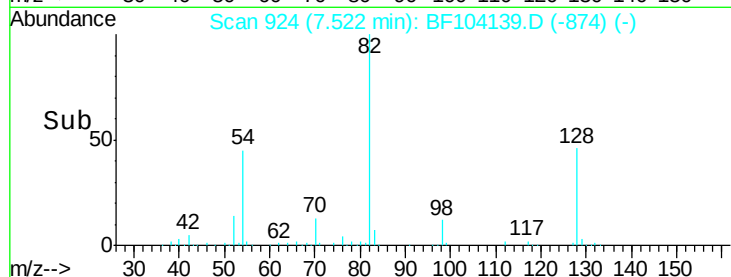
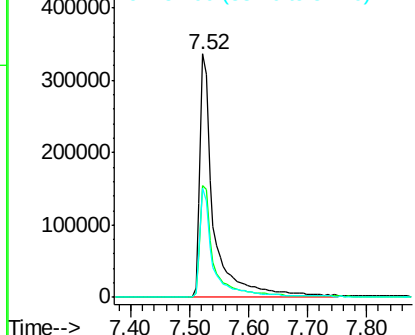
#23
 Nitrobenzene-d5
 Concen: 82.986 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW24S-GW

Tot Ion: 82 Resp: 551654
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 45.1 41.4 62.2

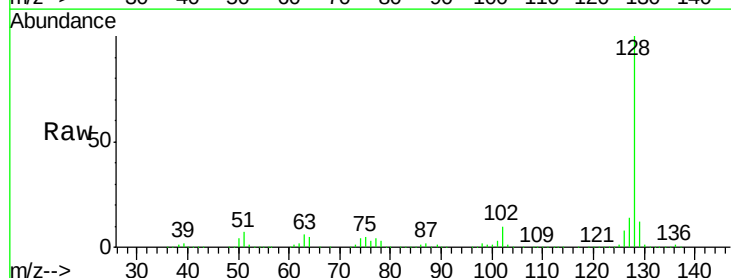


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

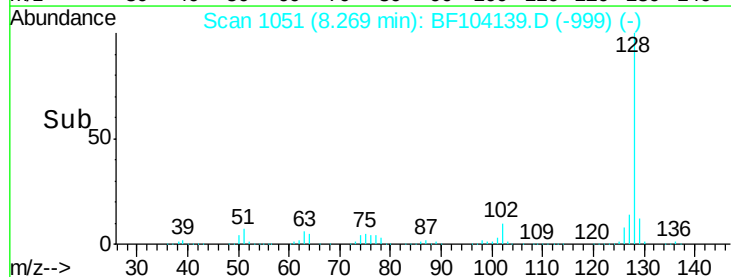
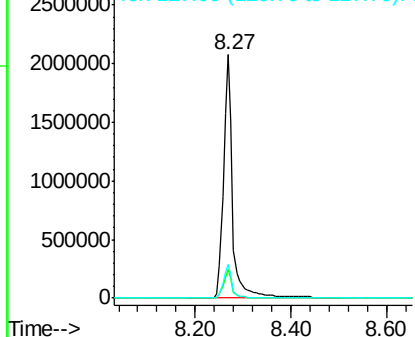


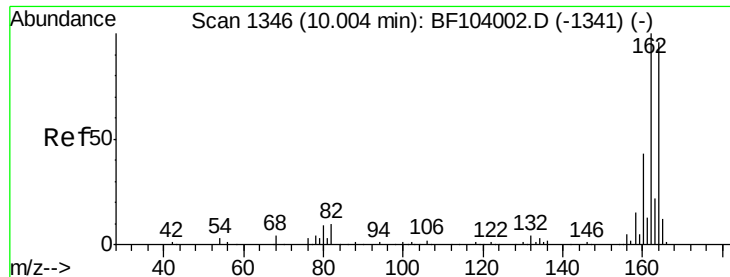
#31
 Naphthalene
 Concen: 141.115 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion: 128 Resp: 2802615
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.8 13.2
 127 13.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
 Ion 129.00 (128.70 to 129.70): BF1
 Ion 127.00 (126.70 to 127.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

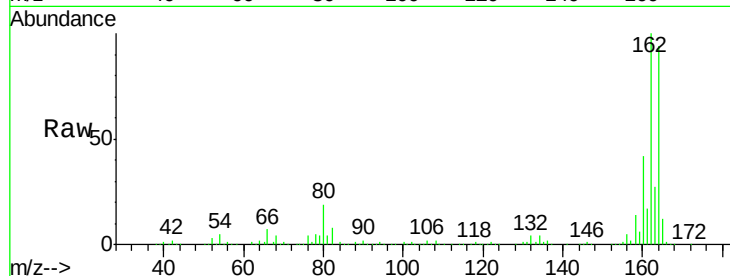
BNA_F

ClientSampleId :

QNWP8-MW24S-GW

Tot Ion:164 Resp: 198096

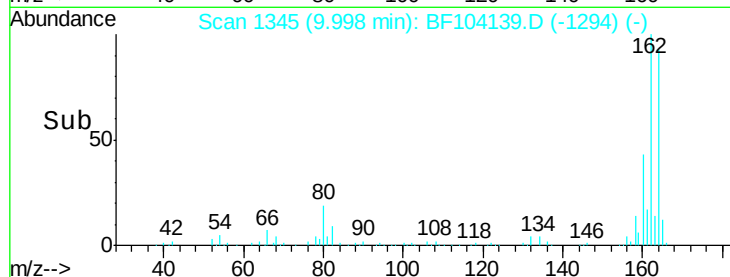
Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	45.1	38.3	57.5



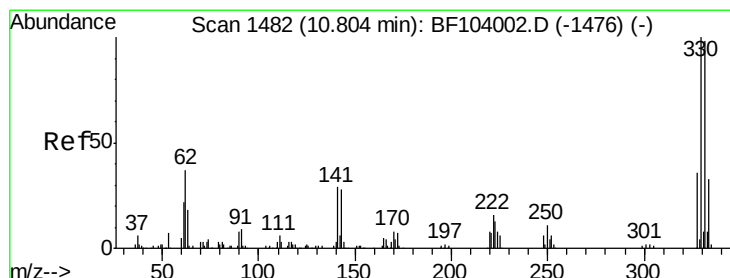
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 9.90 10.00 10.10



#41

2,4,6-Tribromophenol

Concen: 104.804 ng

RT: 10.79 min Scan# 1480

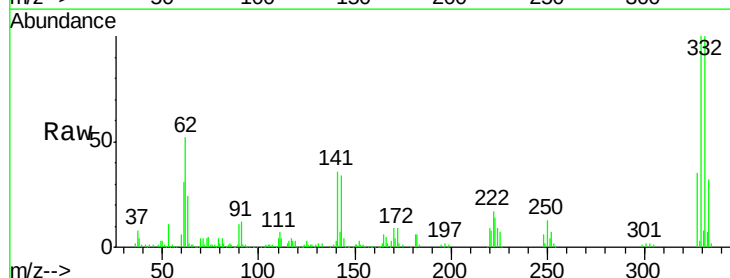
Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Tgt Ion:330 Resp: 231176

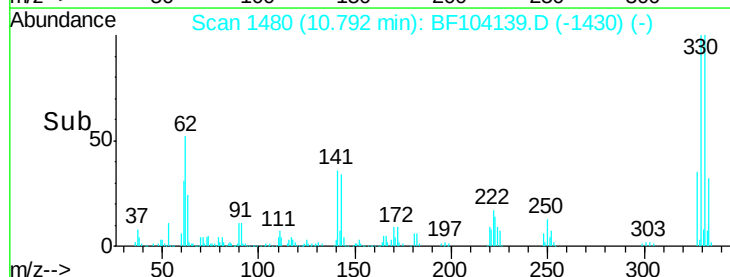
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.0	29.9	44.9



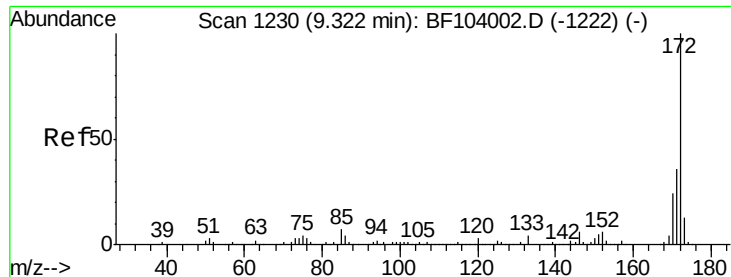
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.70 10.80 10.90 11.00

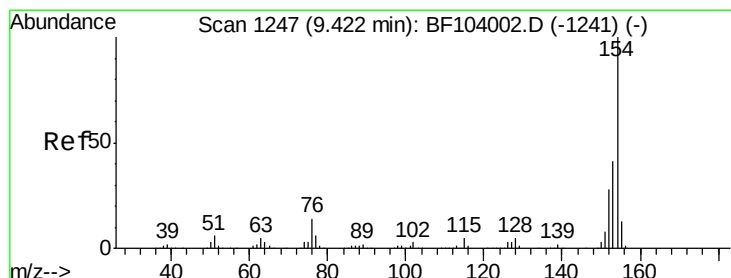
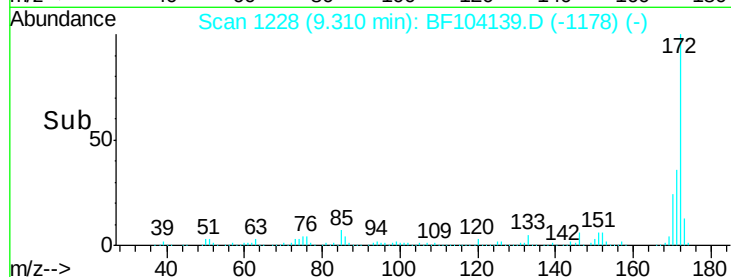
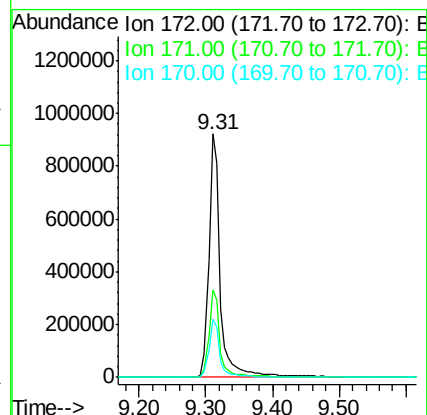
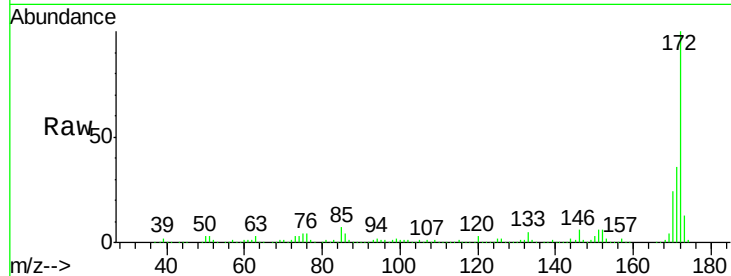


#44
 2-Fluorobiphenyl
 Concen: 86.274 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW24S-GW

Tot Ion:172 Resp: 1083798

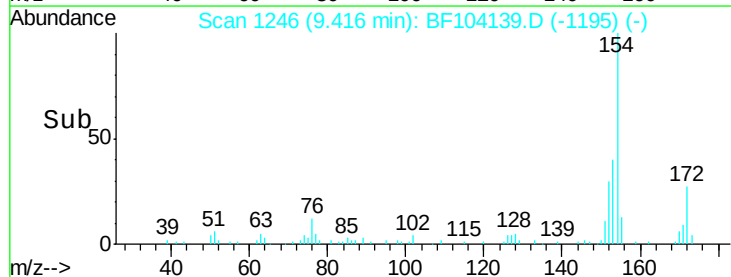
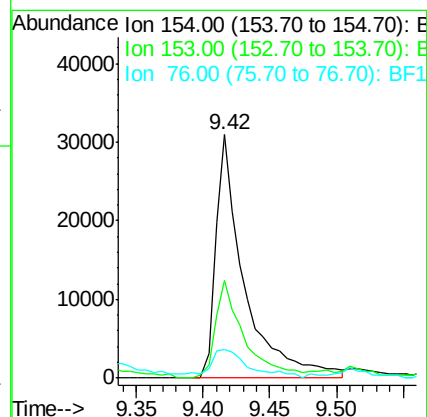
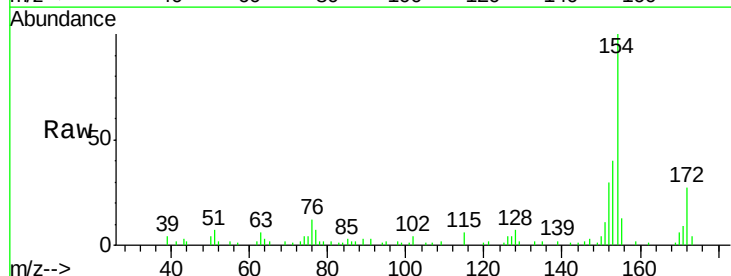
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4

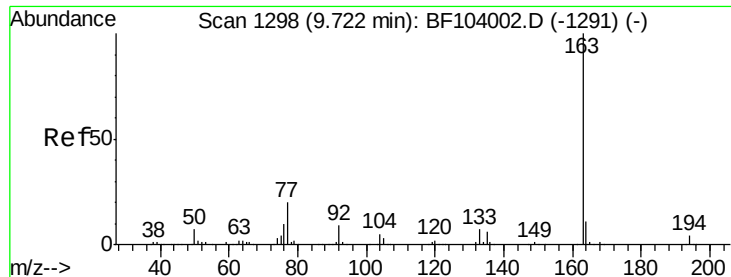


#45
 1,1'-Biphenyl
 Concen: 2.722 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:154 Resp: 46284

Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.3	61.3
76	12.0	0.0	34.0

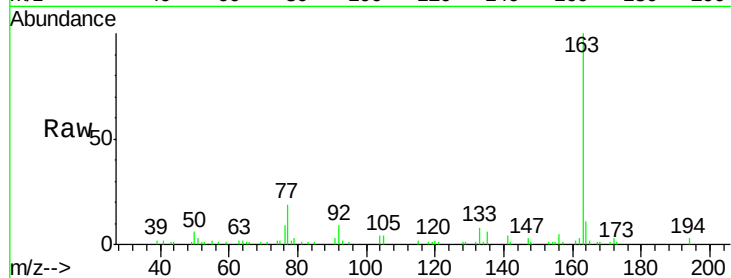




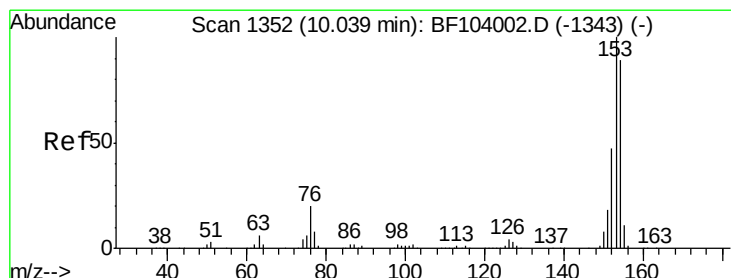
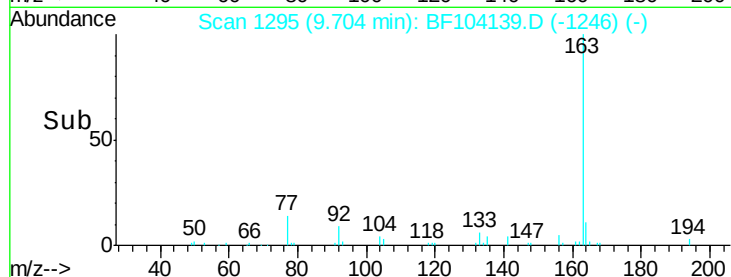
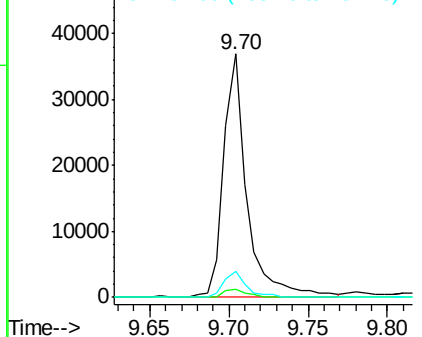
#49
Dimethylphthalate
Concen: 2.413 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW24S-GW

Tot Ion:163 Resp: 37745
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 8.2 12.2

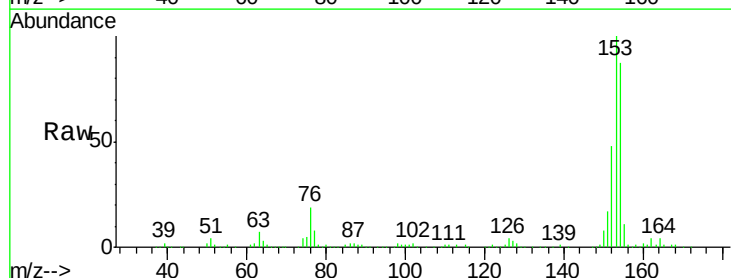


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

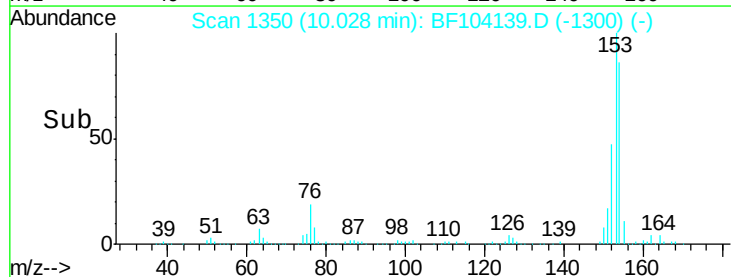
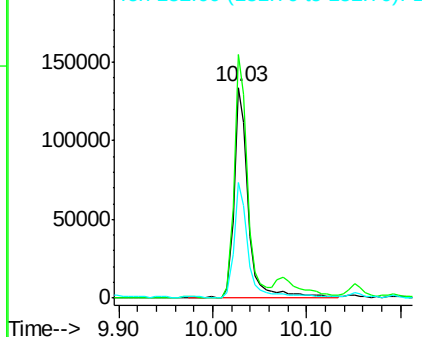


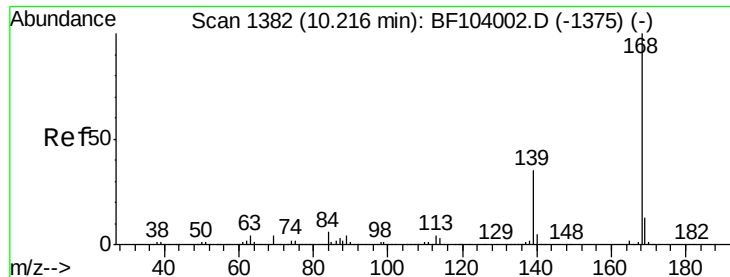
#51
Acenaphthene
Concen: 12.046 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:154 Resp: 141580
Ion Ratio Lower Upper
154 100
153 115.5 91.2 136.8
152 55.0 43.8 65.8



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: 9.556 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW24S-GW

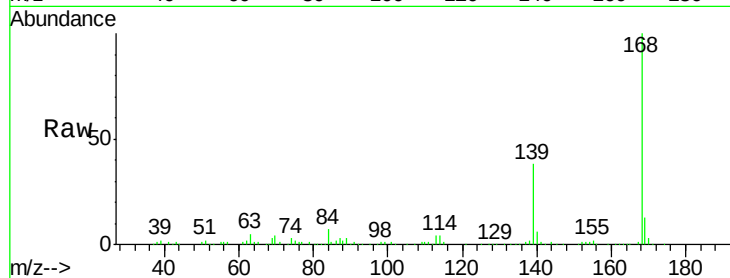
Tot Ion:168 Resp: 164020

Ion Ratio Lower Upper

168 100

139 38.0 30.1 45.1

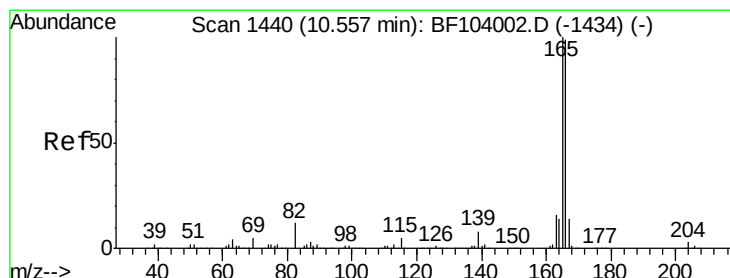
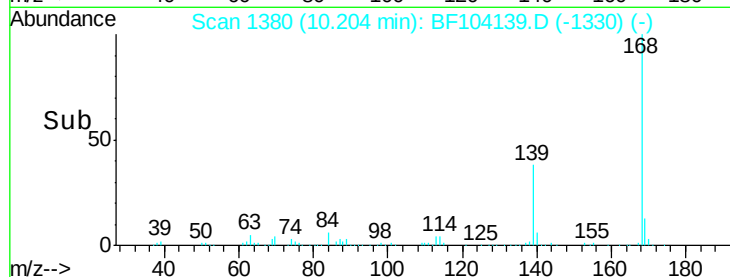
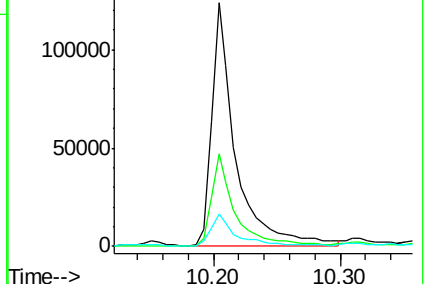
169 13.3 10.9 16.3



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: 9.742 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

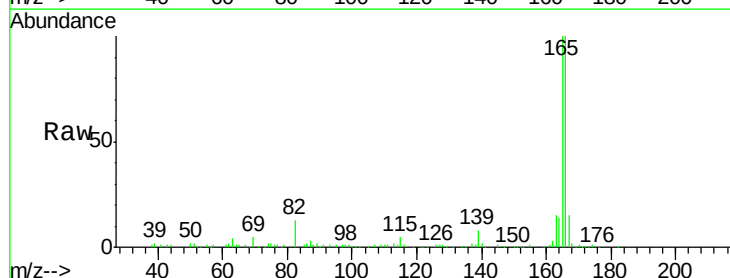
Tgt Ion:166 Resp: 137932

Ion Ratio Lower Upper

166 100

165 100.2 79.8 119.8

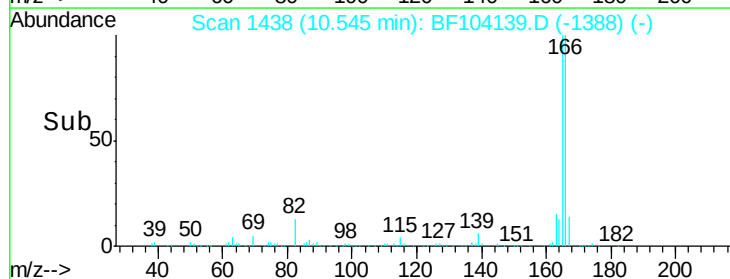
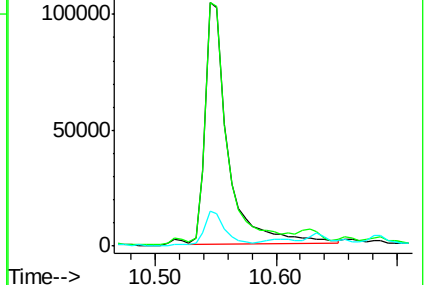
167 14.5 10.6 16.0

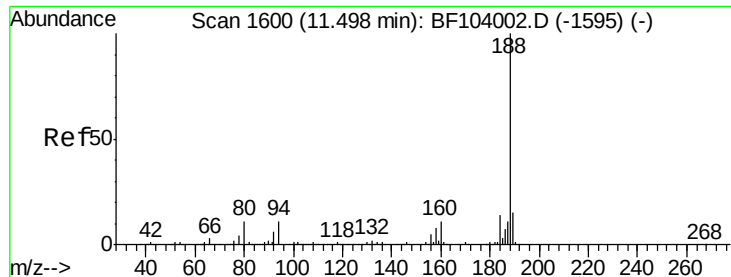


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

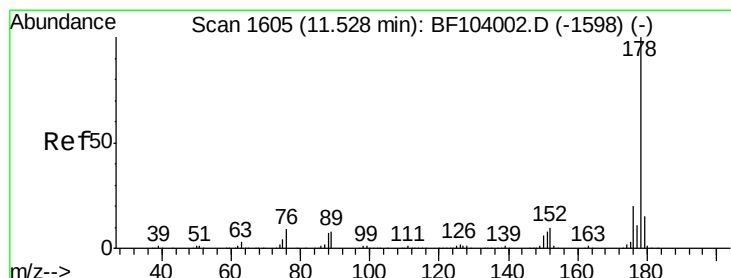
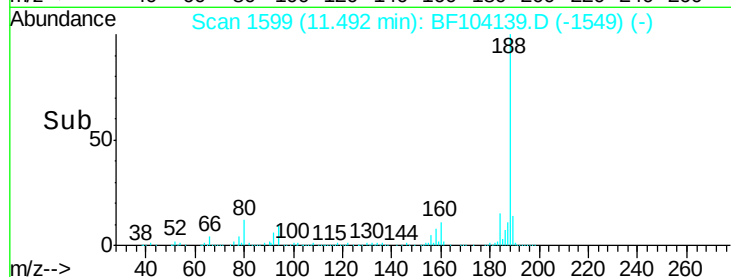
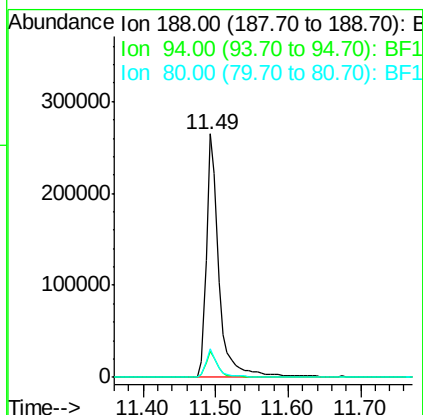
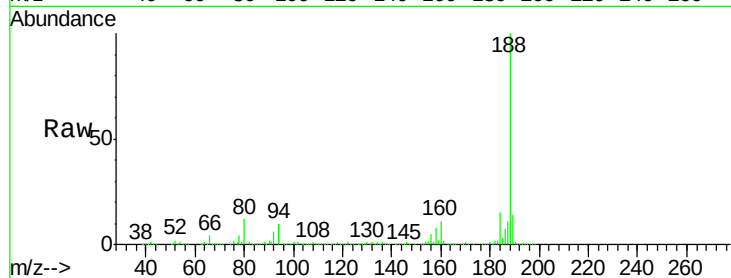




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

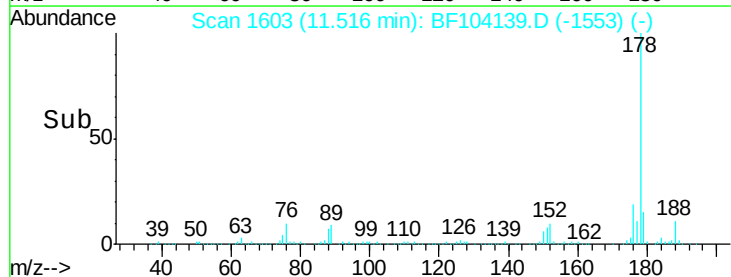
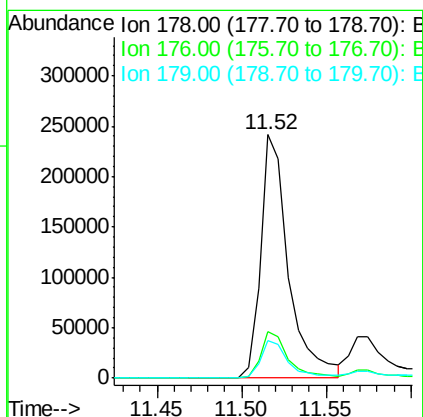
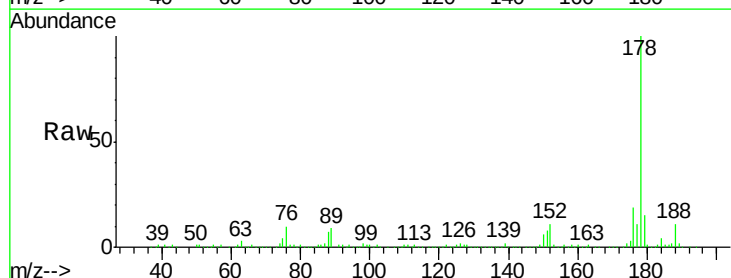
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW24S-GW

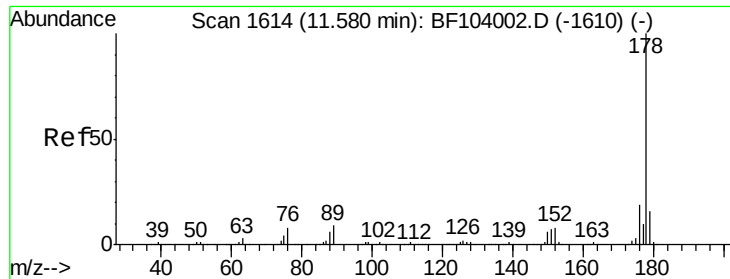
Tot Ion:188 Resp: 322889
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.6 9.2 13.8



#70
 Phenanthrene
 Concen: 15.832 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:178 Resp: 276771
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.2 13.0 19.6

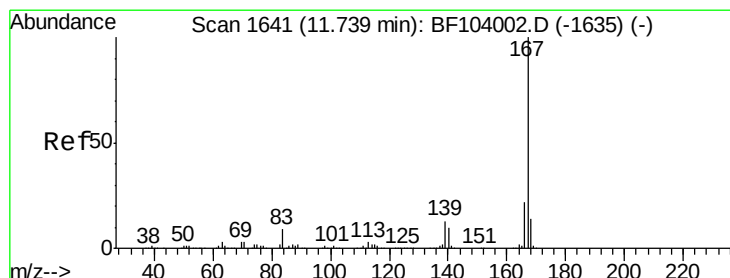
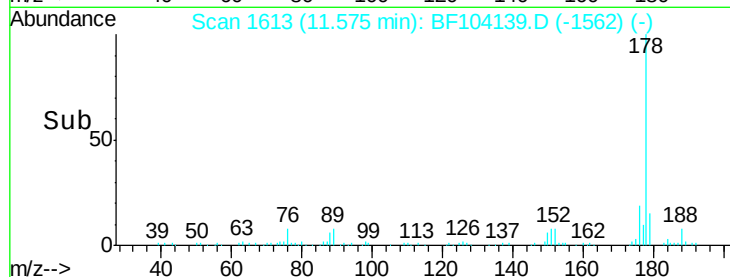
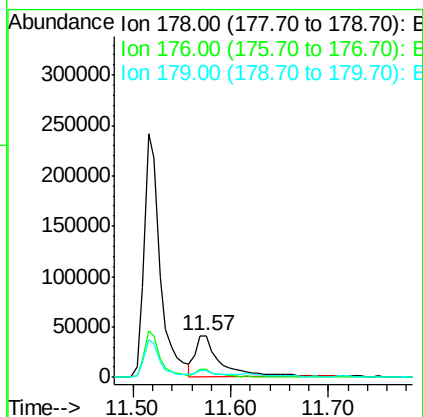
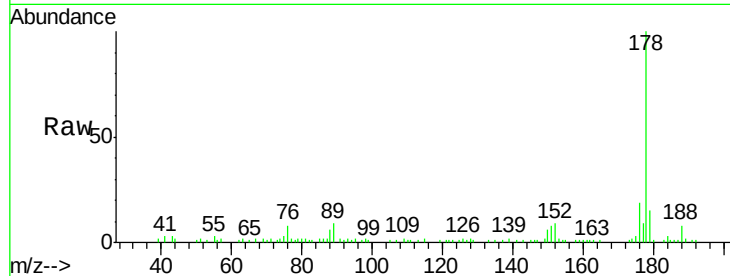




#71
 Anthracene
 Concen: 3.971 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

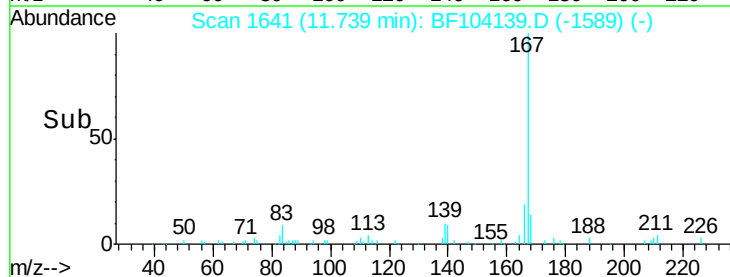
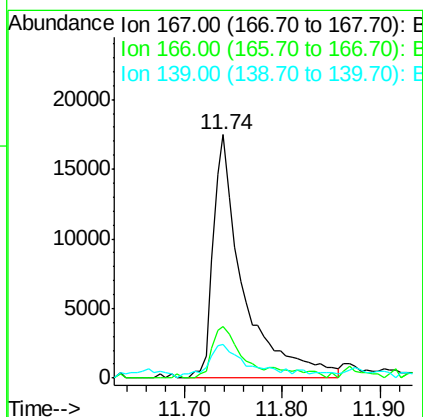
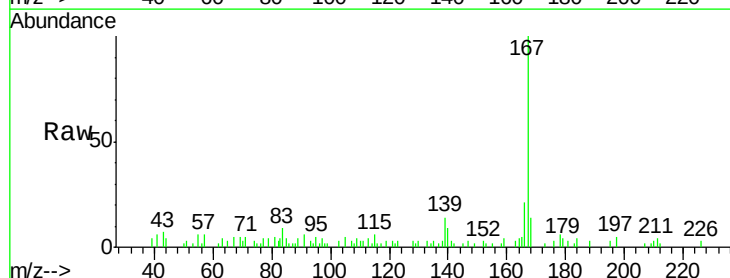
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW24S-GW

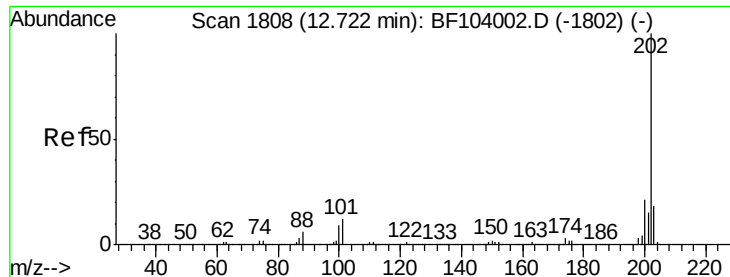
Tot Ion:178 Resp: 72506
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.3 12.6 19.0



#72
 Carbazole
 Concen: 2.148 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:167 Resp: 37438
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 13.8 10.9 16.3





#74

Fluoranthene

Concen: 2.392 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW24S-GW

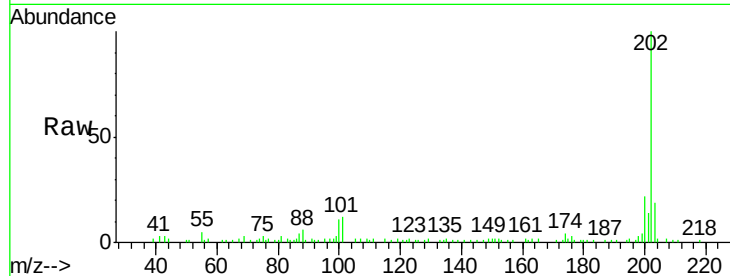
Tot Ion:202 Resp: 44457

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

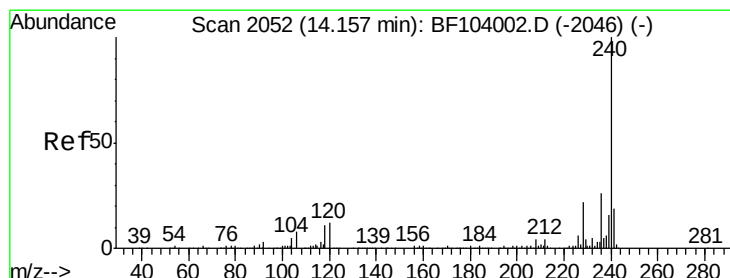
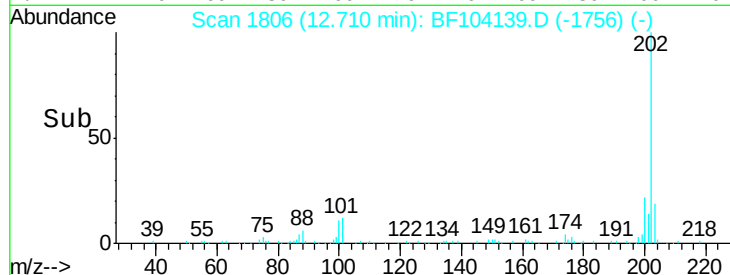
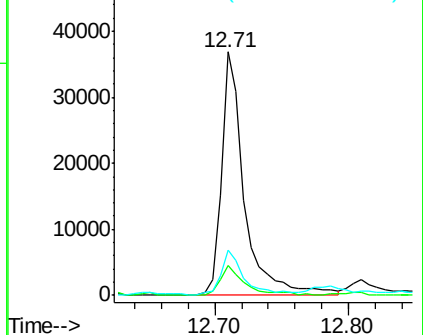
203 18.7 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

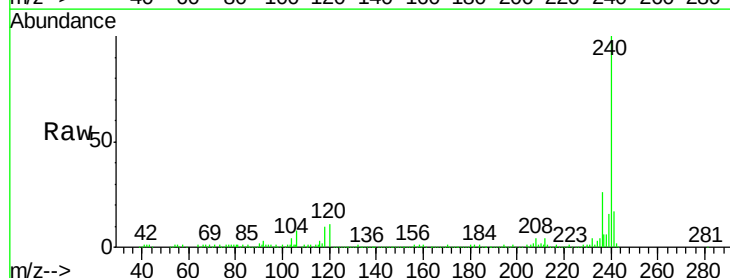
Tgt Ion:240 Resp: 228547

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

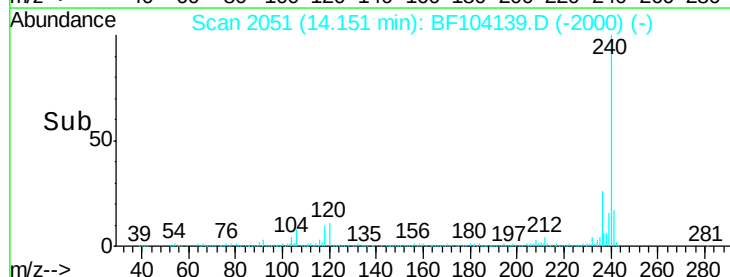
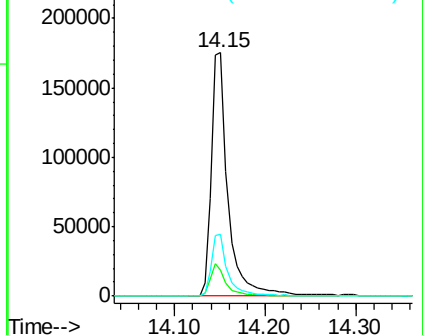
236 25.5 20.7 31.1

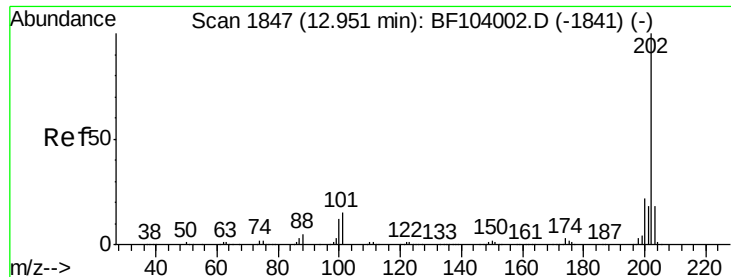


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.011 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW24S-GW

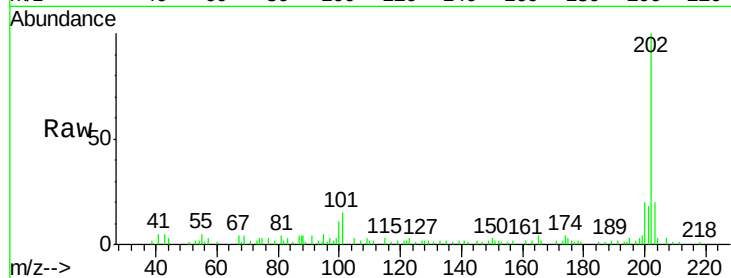
Tot Ion:202 Resp: 33047

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

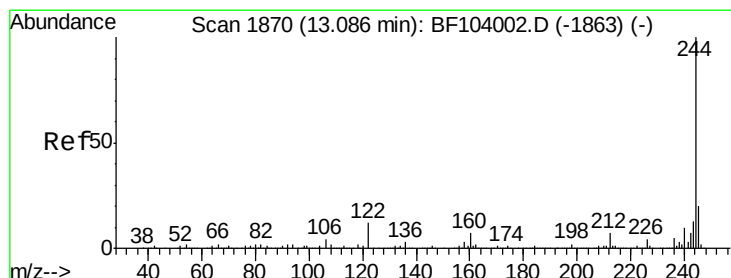
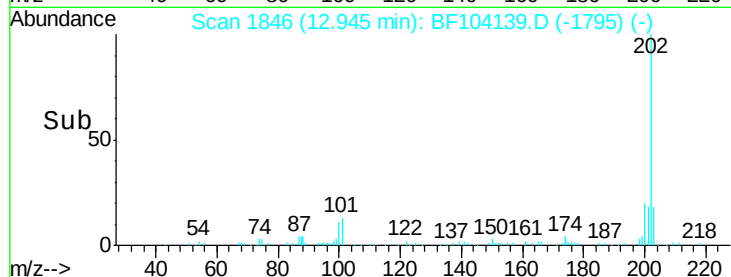
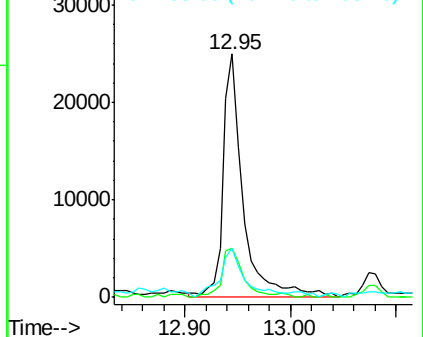
203 20.4 14.3 21.5



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: 76.727 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

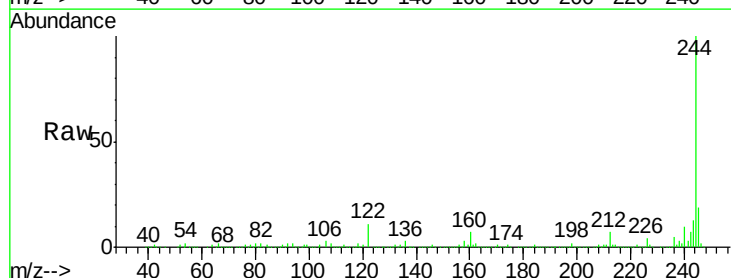
Tgt Ion:244 Resp: 759469

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

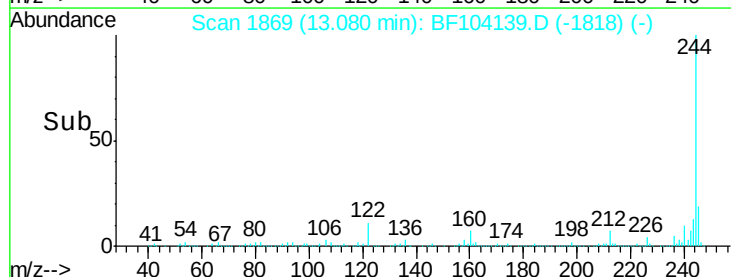
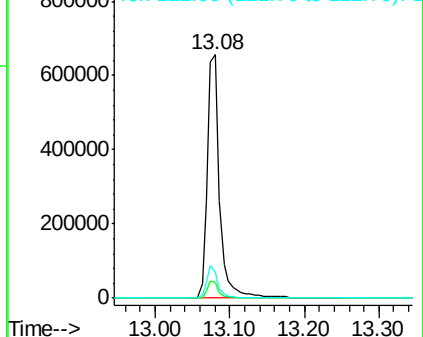
122 10.7 11.0 16.4#

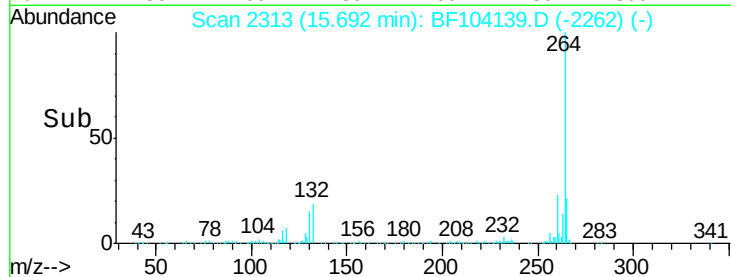
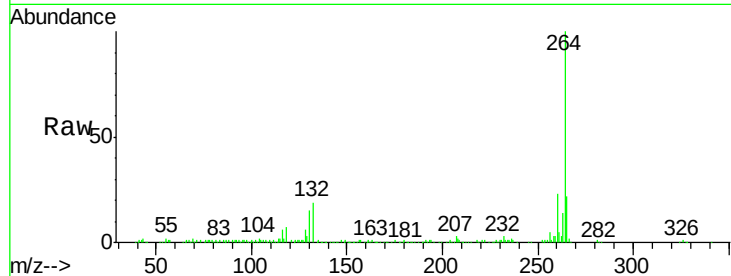
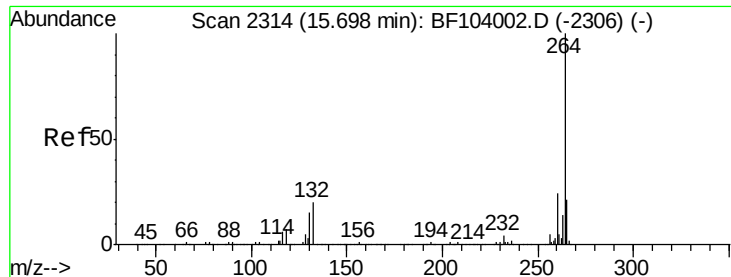


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW24S-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

