

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107147.D
 Acq On : 6 Jul 2018 2:48
 Operator : JU/SJ
 Sample : J3858-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:15:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

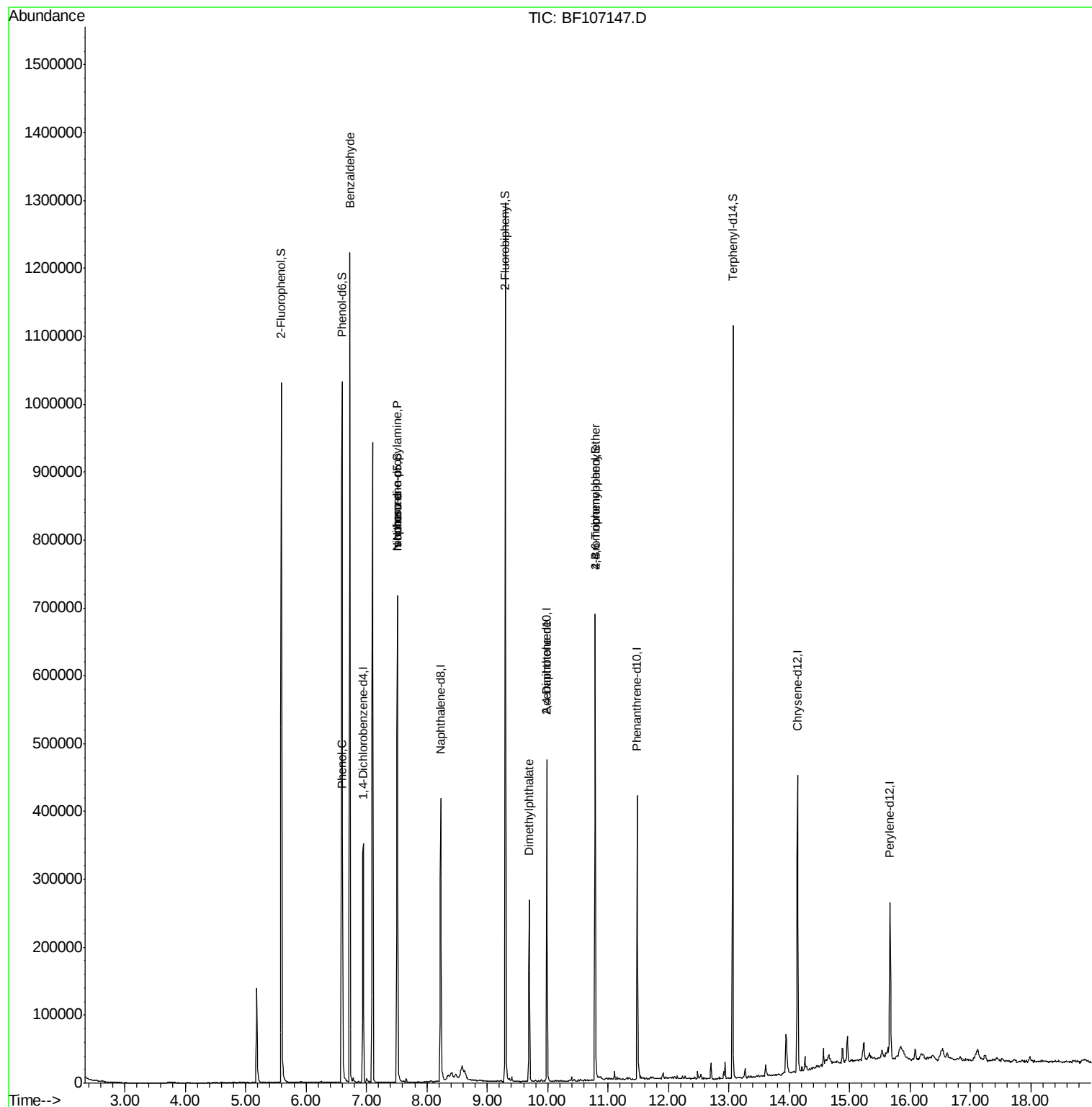
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	55490	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	207570	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	93271	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	159229	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	152665	20.00	ng	-0.03
86) Perylene-d12	15.67	264	121261	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	317528	96.90	ng	-0.01
7) Phenol-d6	6.60	99	385225	94.13	ng	-0.02
23) Nitrobenzene-d5	7.51	82	240167	64.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	100342	92.82	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	407640	71.66	ng	-0.02
78) Terphenyl-d14	13.07	244	392976	62.35	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.72	77	6896	2.012	ng	Qvalue 87
10) Phenol	6.61	94	9988	2.139	ng	90
19) n-Nitroso-di-n-propylamine	7.51	70	30417	11.276	ng	# 74
25) Isophorone	7.51	82	240163	36.489	ng	# 64
49) Dimethylphthalate	9.70	163	110219	15.756	ng	97
56) 2,4-Dinitrotoluene	9.99	165	11875	6.142	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6249	3.288	ng	# 1

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

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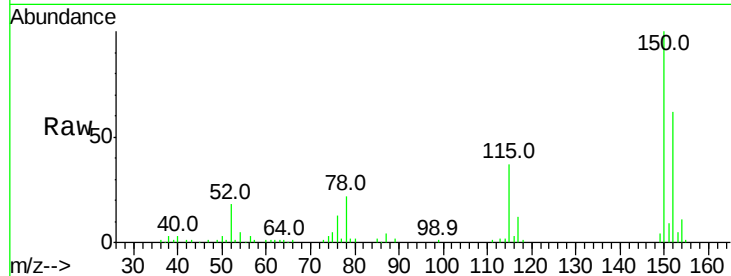


#1

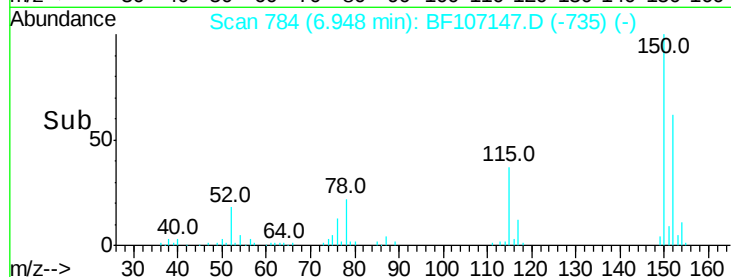
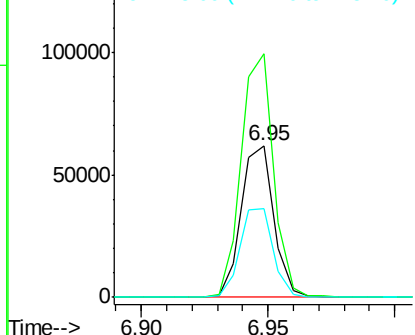
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107147.D
Acq: 6 Jul 2018 2:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55490
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 58.6 50.1 75.1



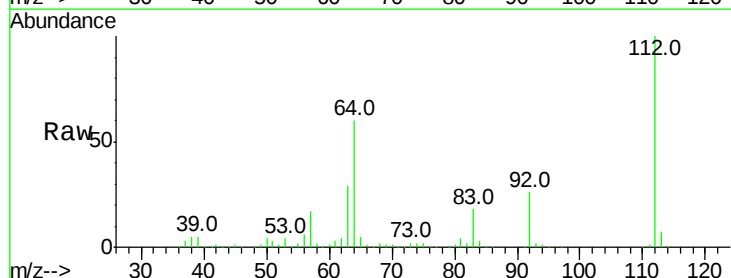
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



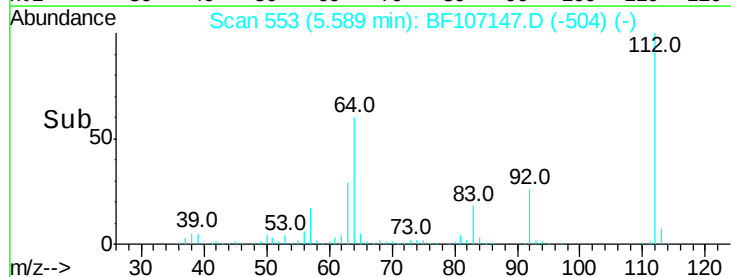
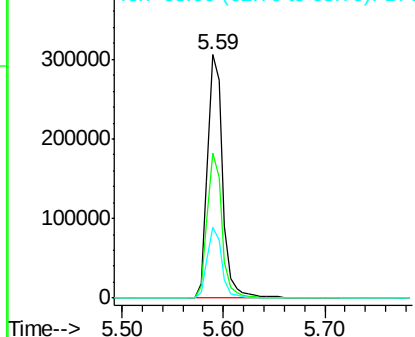
#5

2-Fluorophenol
Concen: 96.896 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107147.D
Acq: 6 Jul 2018 2:48

Tgt Ion:112 Resp: 317528
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 28.9 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: 94.133 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Instrument :

BNA_F

ClientSampled :

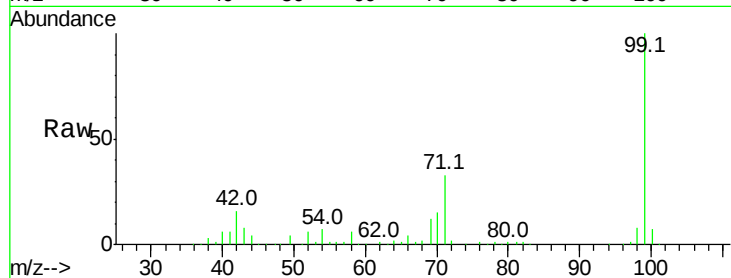
Tot Ion: 99 Resp: 385225

Ion Ratio Lower Upper

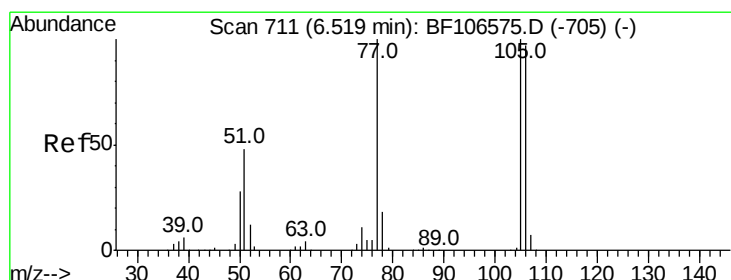
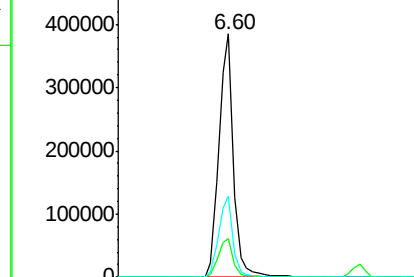
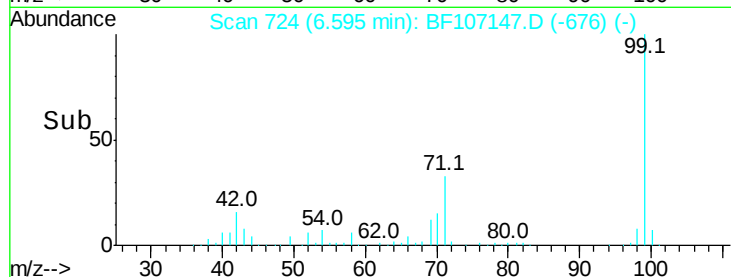
99 100

42 15.7 14.5 21.7

71 33.3 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



#9

Benzaldehyde

Concen: 2.012 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

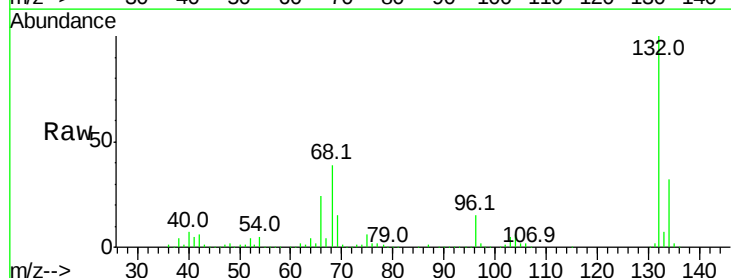
Tgt Ion: 77 Resp: 6896

Ion Ratio Lower Upper

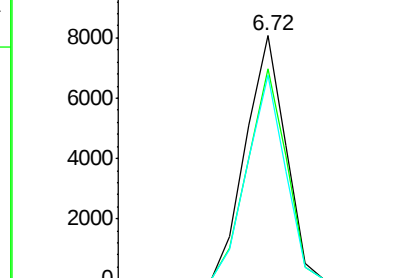
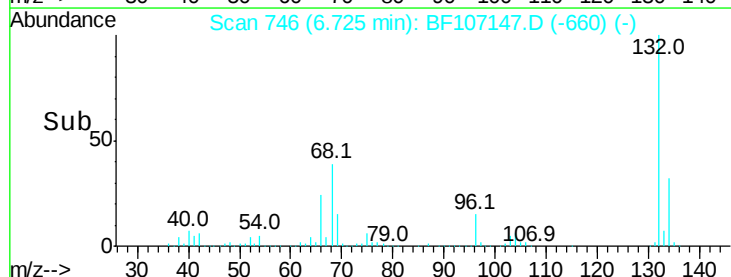
77 100

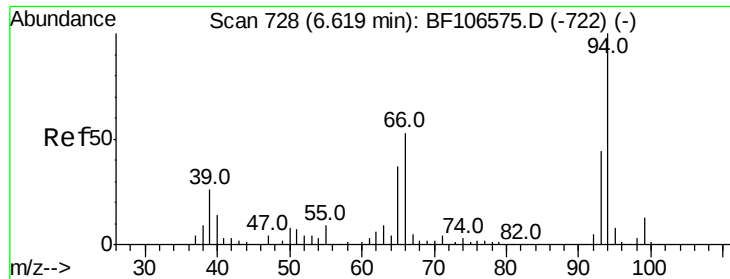
105 86.5 81.1 121.1

106 83.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.139 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

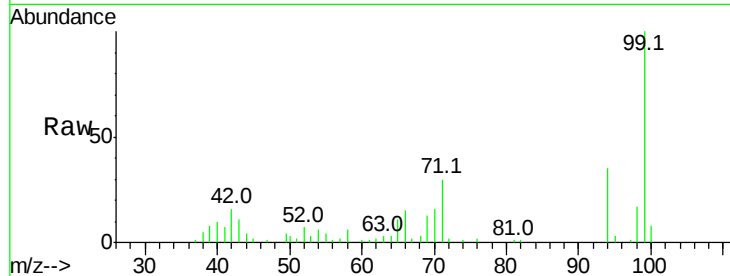
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 9988

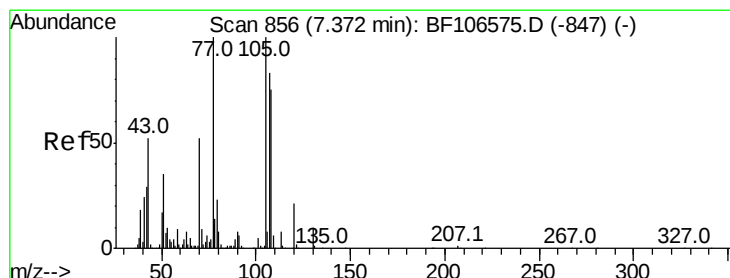
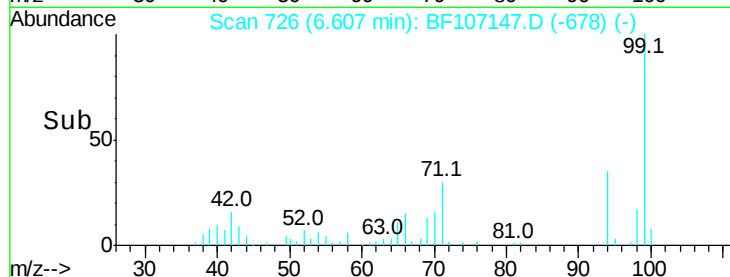
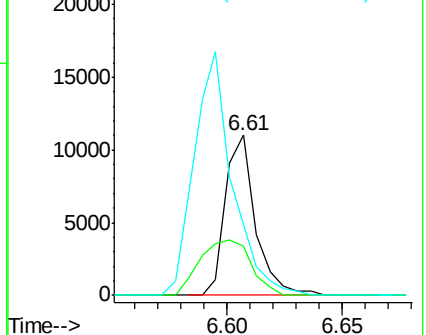
Ion	Ratio	Lower	Upper
94	100		
65	30.7	7.9	47.9
66	43.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.276 ng

RT: 7.51 min Scan# 880

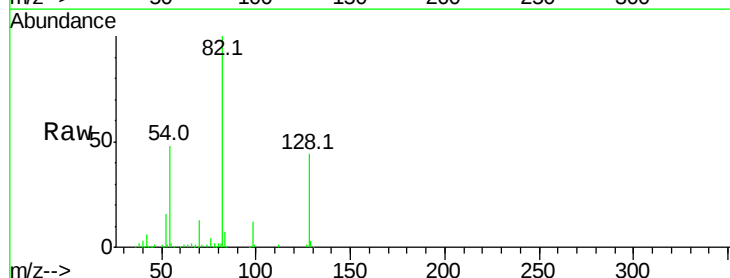
Delta R.T. 0.13 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Tgt Ion: 70 Resp: 30417

Ion	Ratio	Lower	Upper
70	100		
42	43.4	47.5	71.3#
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

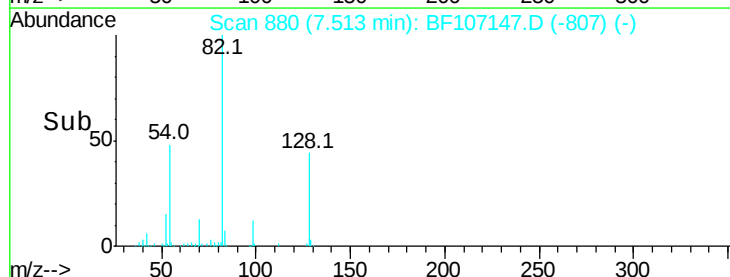
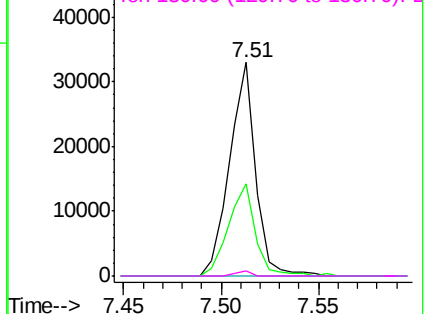


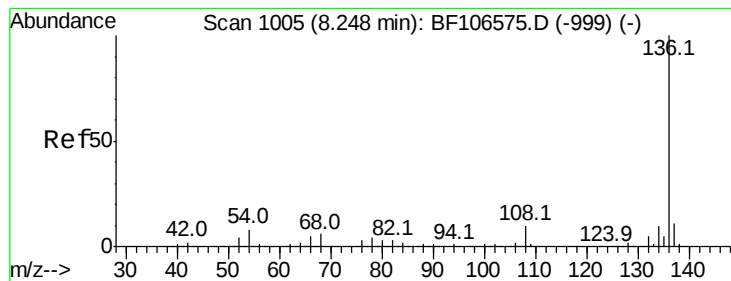
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 207570

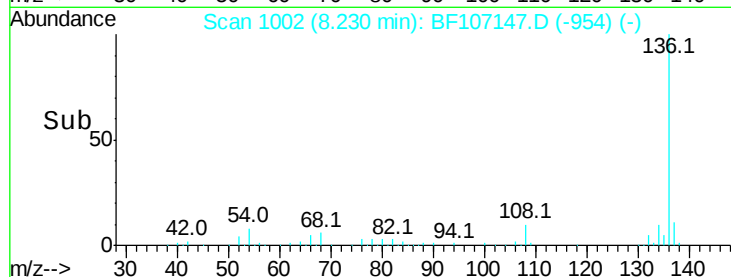
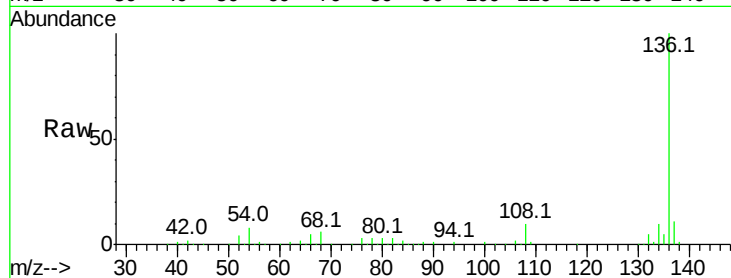
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.0 6.6 9.8

68 6.1 5.0 7.4

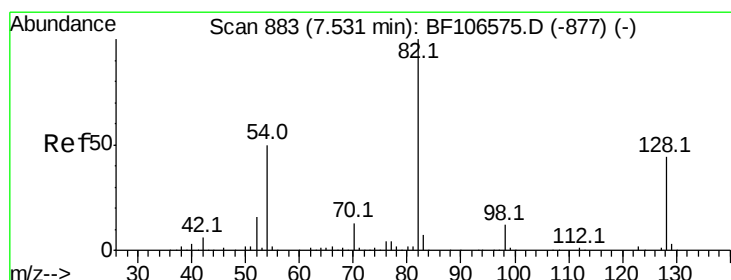
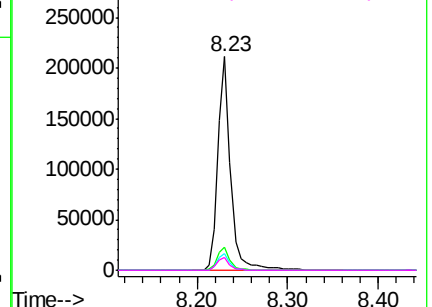


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.301 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

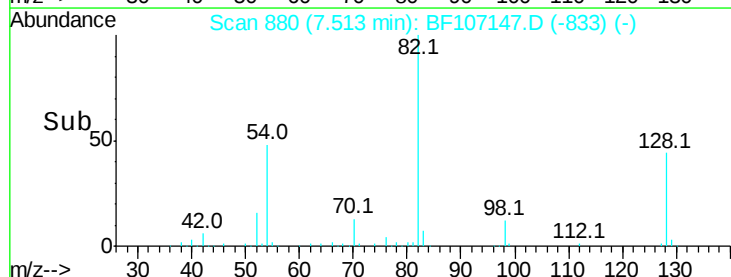
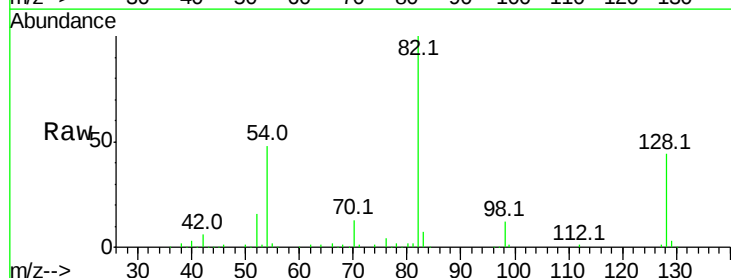
Tgt Ion: 82 Resp: 240167

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

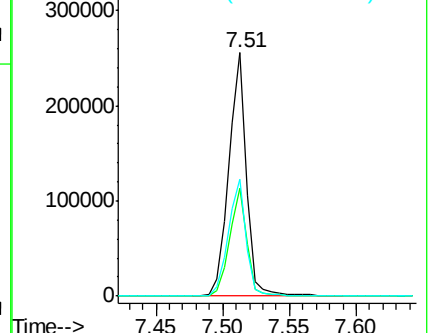
54 48.3 41.4 62.2

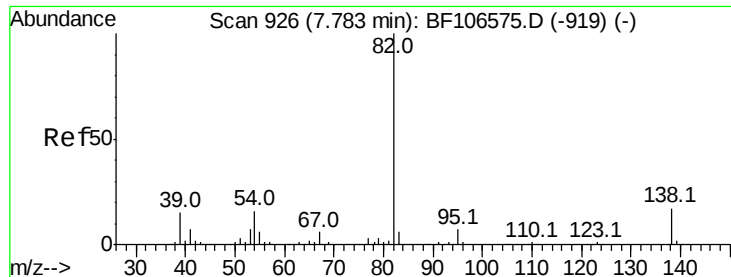


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

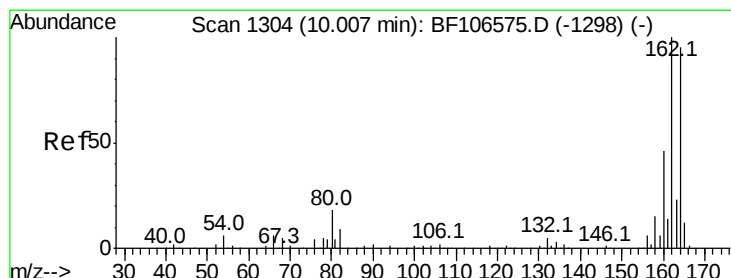
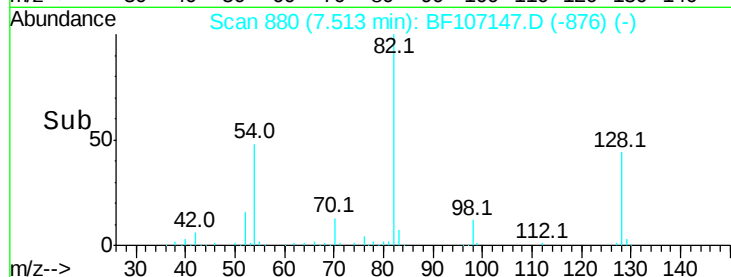
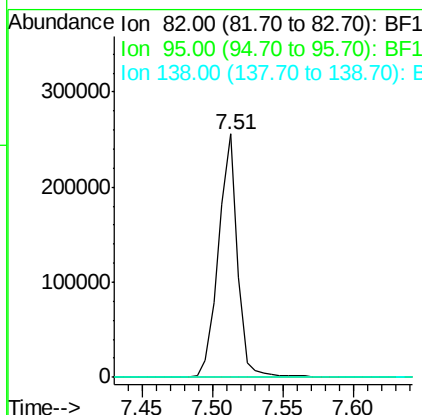
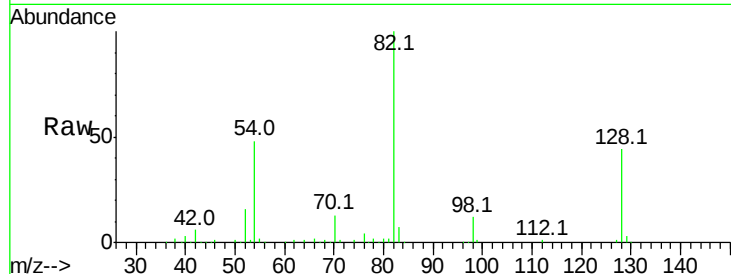




#25
Isophorone
Concen: 36.489 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF107147.D
Acq: 6 Jul 2018 2:48

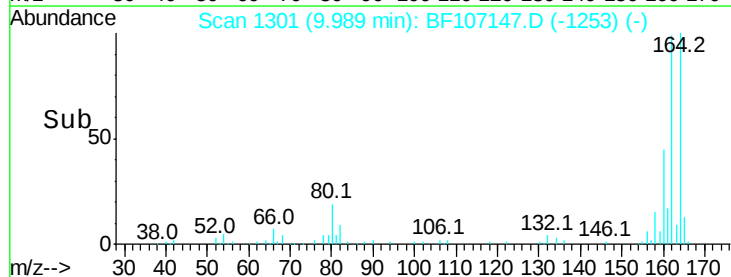
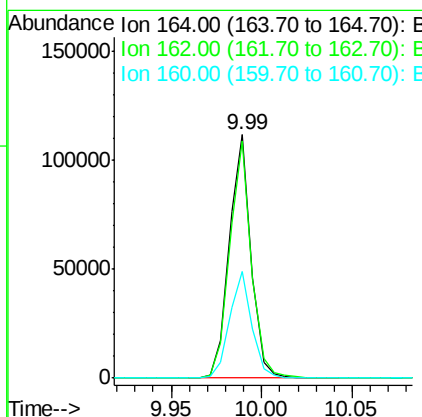
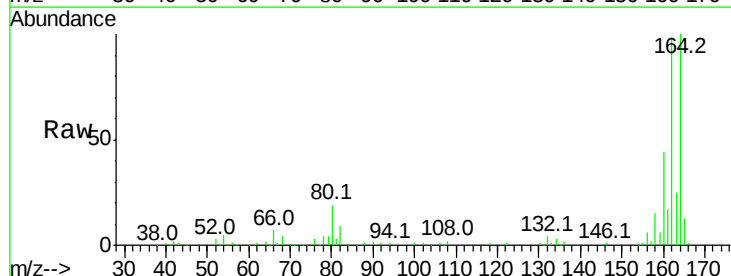
Instrument :
BNA_F
ClientSampleId :

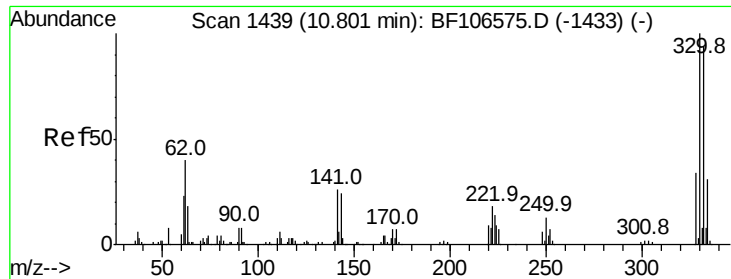
Tot Ion: 82 Resp: 240163
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107147.D
Acq: 6 Jul 2018 2:48

Tgt Ion:164 Resp: 93271
Ion Ratio Lower Upper
164 100
162 97.7 86.1 129.1
160 44.0 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 92.820 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Instrument :

BNA_F

ClientSampled :

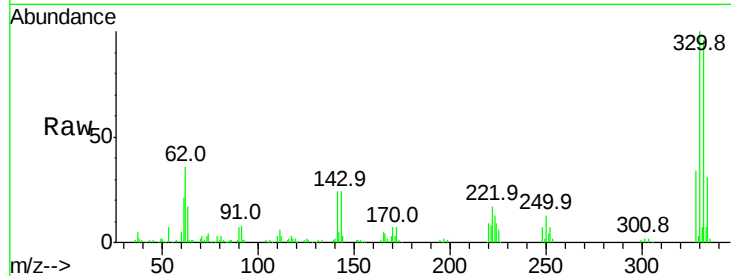
Tot Ion:330 Resp: 100342

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

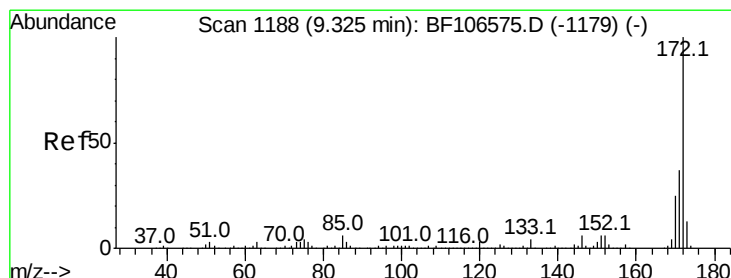
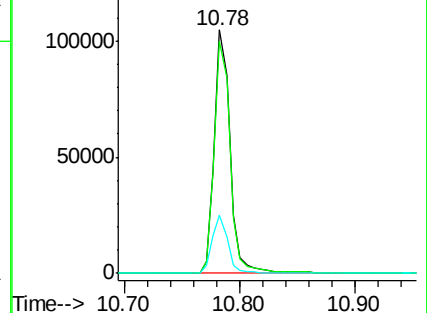
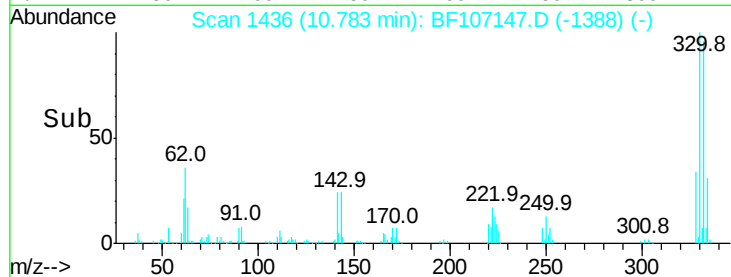
141 23.5 29.9 44.9#



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



#44

2-Fluorobiphenyl

Concen: 71.661 ng

RT: 9.30 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

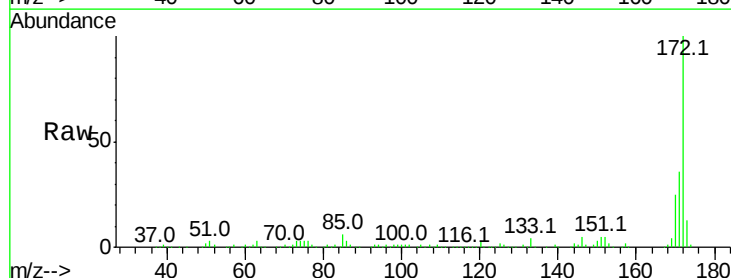
Tgt Ion:172 Resp: 407640

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

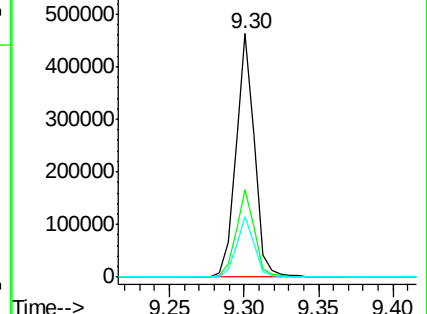
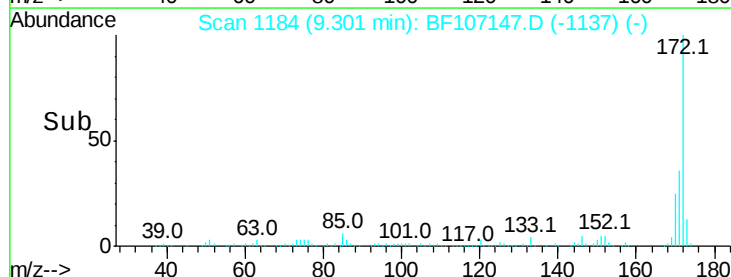
170 24.6 19.6 29.4

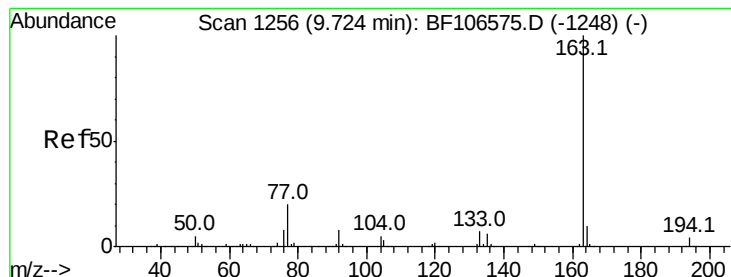


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.756 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Instrument :

BNA_F

ClientSampleId :

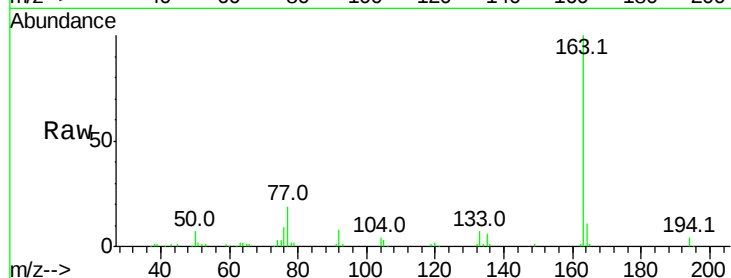
Tot Ion:163 Resp: 110219

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

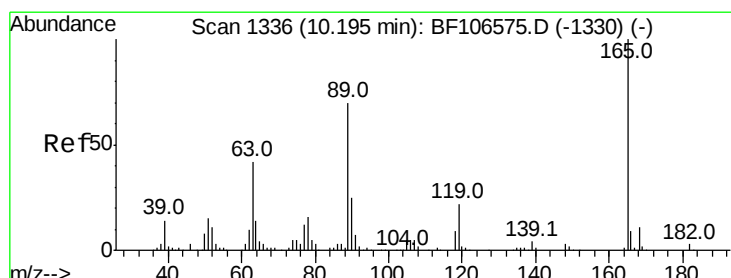
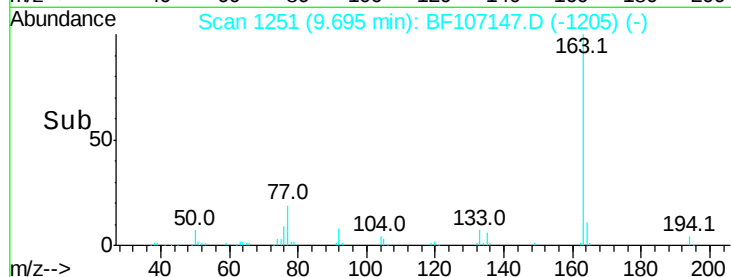
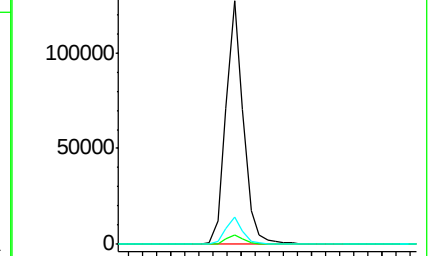
164 11.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.142 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Tgt Ion:165 Resp: 11875

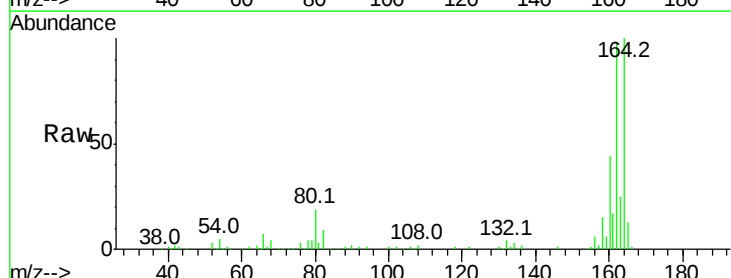
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

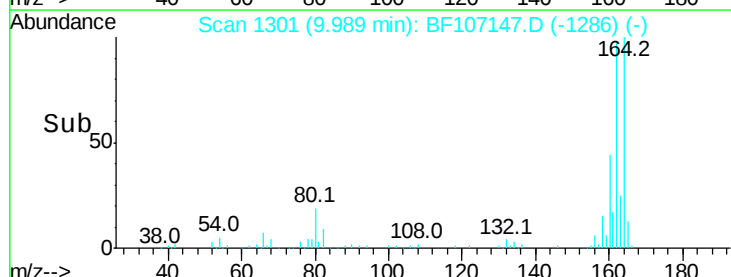
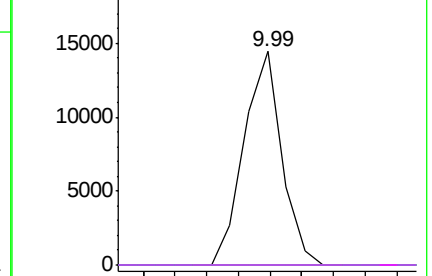


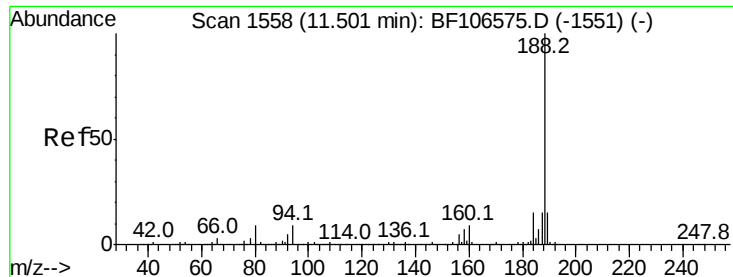
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

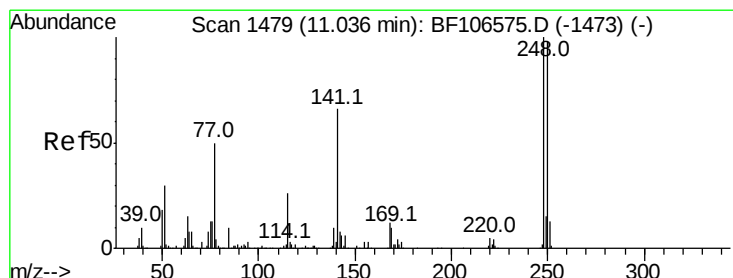
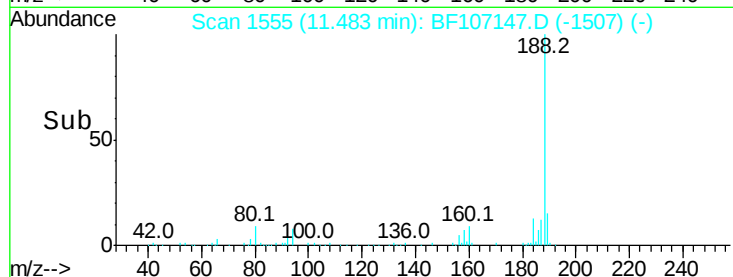
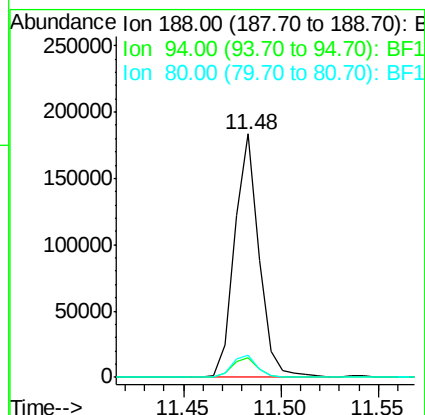
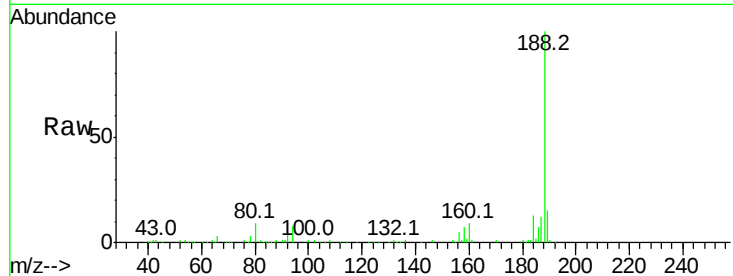




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107147.D
 Acq: 6 Jul 2018 2:48

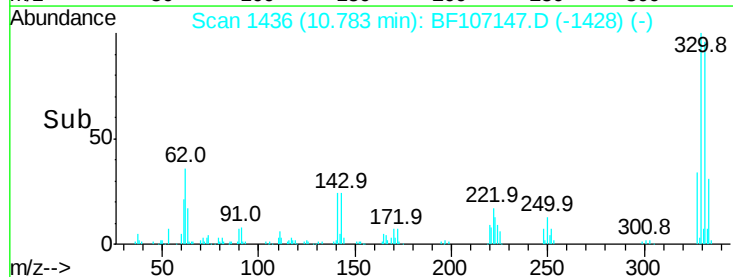
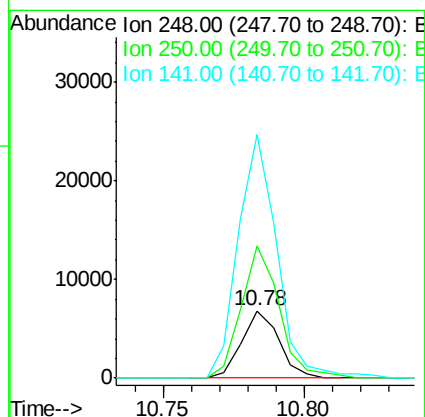
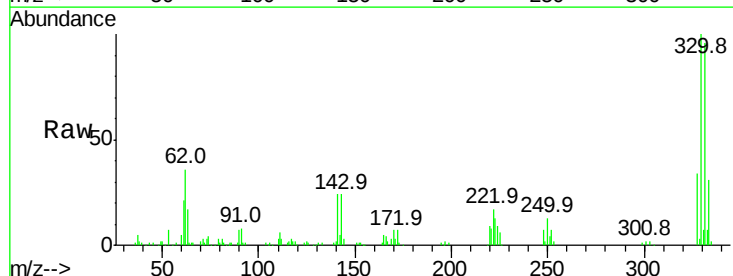
Instrument :
 BNA_F
 ClientSampleId :

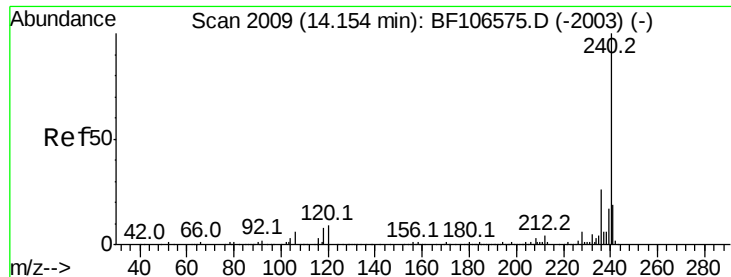
Tot Ion:188 Resp: 159229
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.5 12.7#
 80 9.2 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.288 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF107147.D
 Acq: 6 Jul 2018 2:48

Tgt Ion:248 Resp: 6249
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 360.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

Instrument :

BNA_F

ClientSampleId :

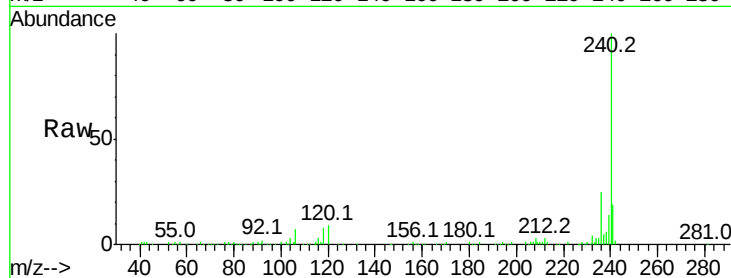
Tot Ion:240 Resp: 152665

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

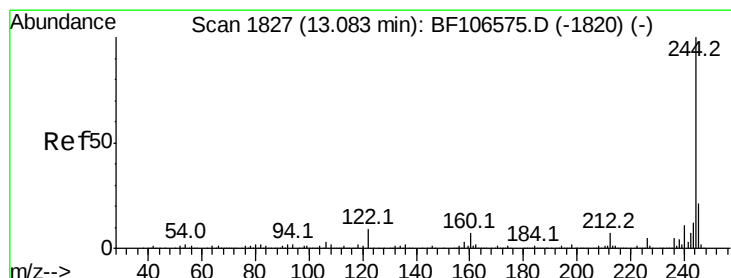
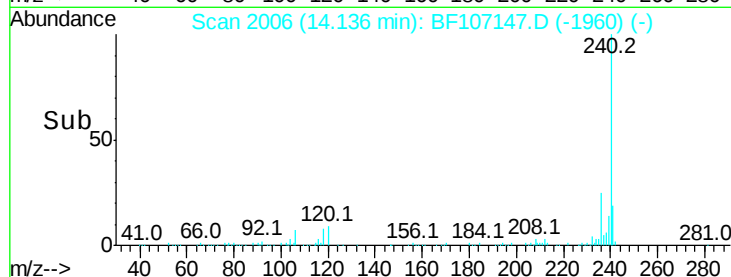
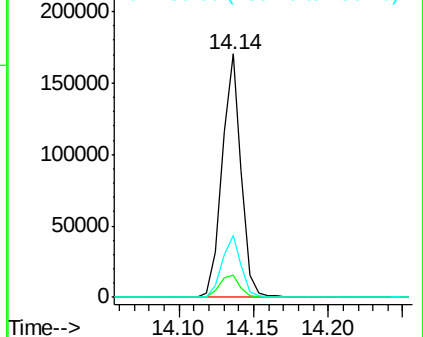
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 62.353 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107147.D

Acq: 6 Jul 2018 2:48

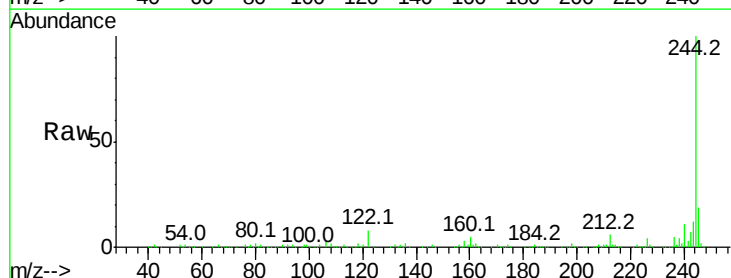
Tgt Ion:244 Resp: 392976

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

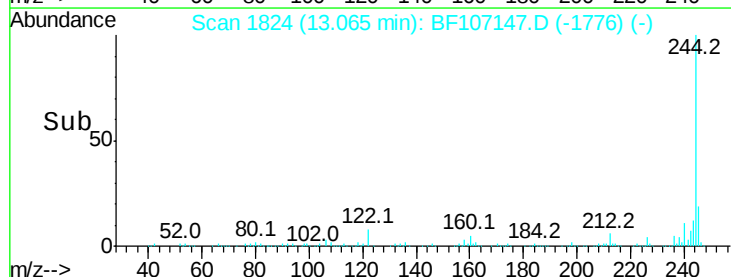
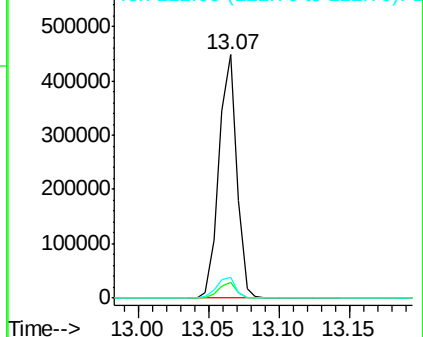
122 8.3 11.0 16.4#

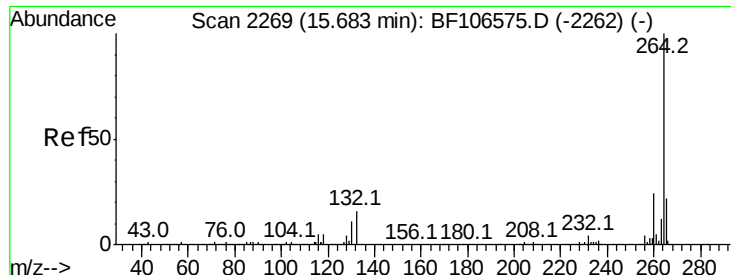


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.67 min Scan# 2266
 Delta R.T. -0.05 min
 Lab File: BF107147.D
 Acq: 6 Jul 2018 2:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	17.5	26.3

