

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107090.D
 Acq On : 3 Jul 2018 18:57
 Operator : JU/SJ
 Sample : J3798-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 22:48:15 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

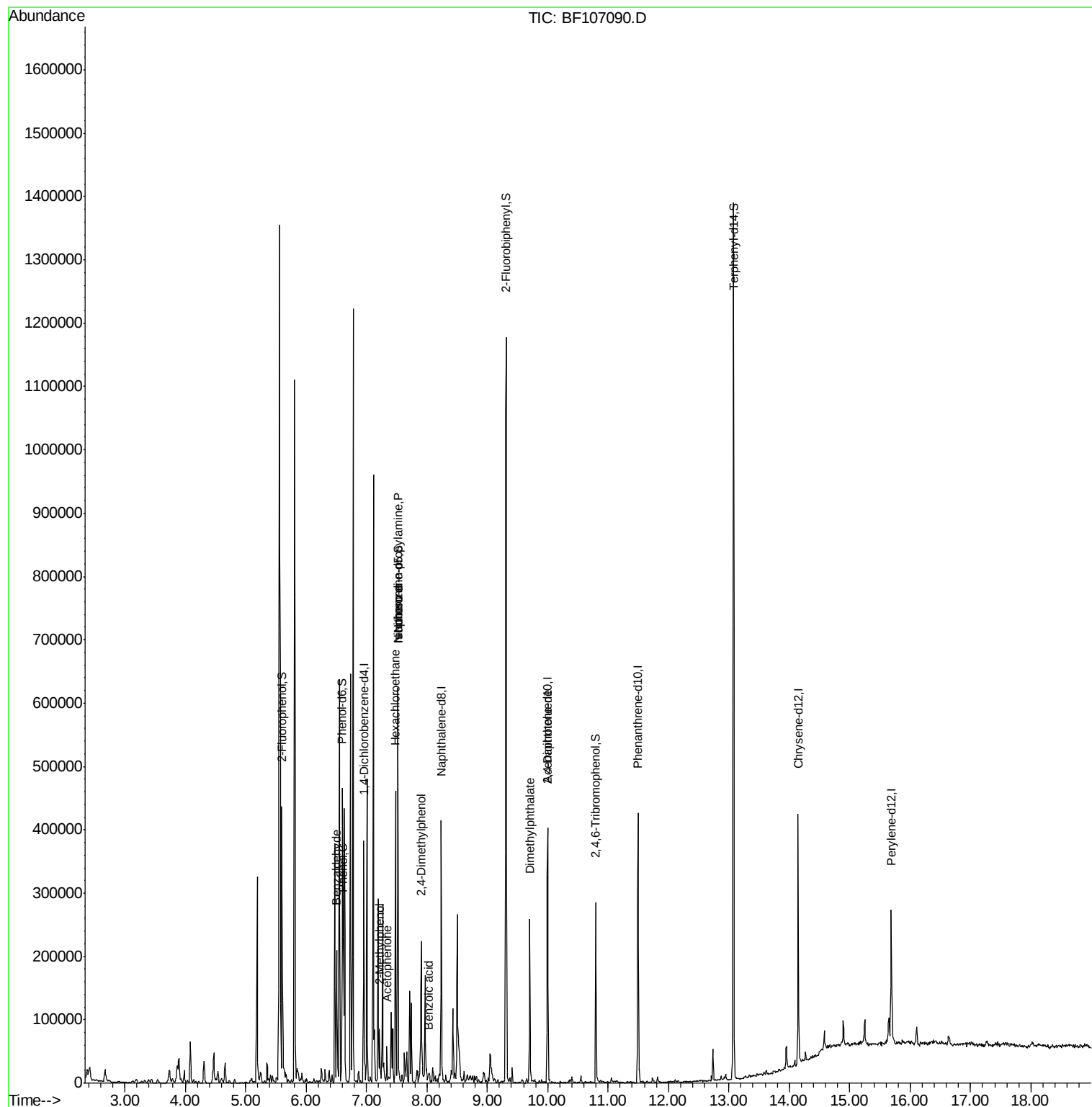
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	54855	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	188578	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	82038	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	161310	20.00	ng	0.00
75) Chrysene-d12	14.15	240	143352	20.00	ng	-0.02
86) Perylene-d12	15.69	264	110640	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	133753	41.29	ng	0.00
7) Phenol-d6	6.60	99	155415	38.42	ng	-0.01
23) Nitrobenzene-d5	7.52	82	209933	61.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	41821	43.98	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	399599	81.91	ng	-0.01
78) Terphenyl-d14	13.08	244	496247	83.85	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	7271	2.141	ng	# 1
10) Phenol	6.62	94	41857	9.066	ng	# 98
17) 2-Methylphenol	7.22	107	9704	3.191	ng	# 85
18) Hexachloroethane	7.48	117	14870	10.050	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	27447	10.293	ng	# 76
20) 3+4-Methylphenols	7.38	107	2607	Below Cal		91
22) Acetophenone	7.34	105	24985	5.922	ng	# 58
25) Isophorone	7.52	82	209929	35.108	ng	# 64
27) 2,4-Dimethylphenol	7.91	122	36129	14.292	ng	# 94
32) Benzoic acid	8.02	122	1178	6.295	ng	# 30
49) Dimethylphthalate	9.70	163	117495	19.096	ng	# 97
56) 2,4-Dinitrotoluene	10.00	165	10543	6.199	ng	# 21

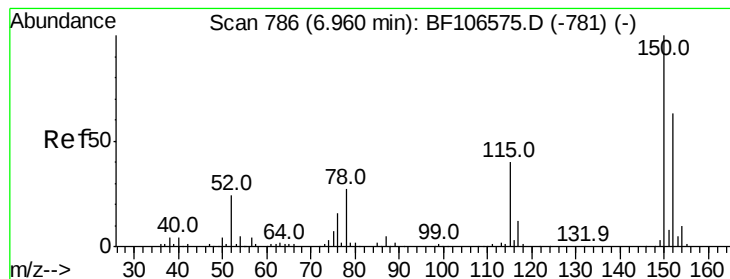
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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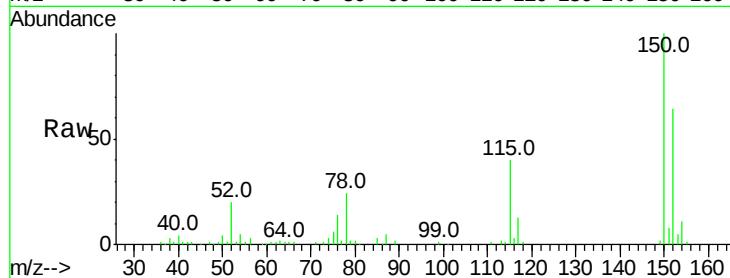


#1

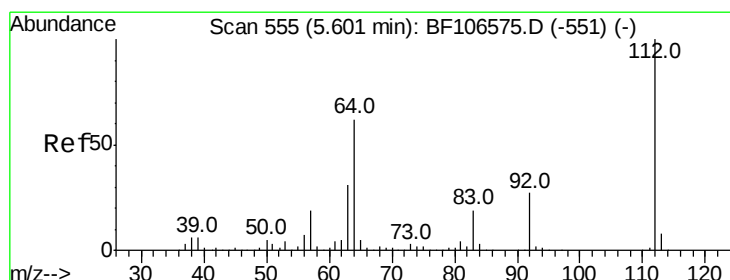
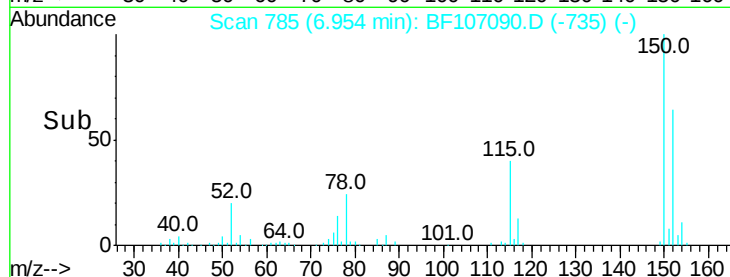
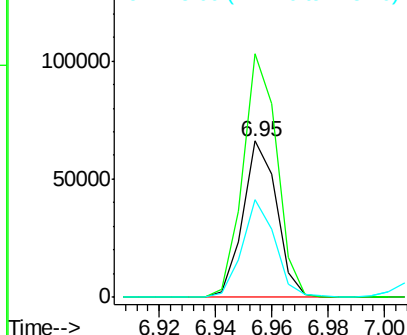
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 54855
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 62.2 50.1 75.1



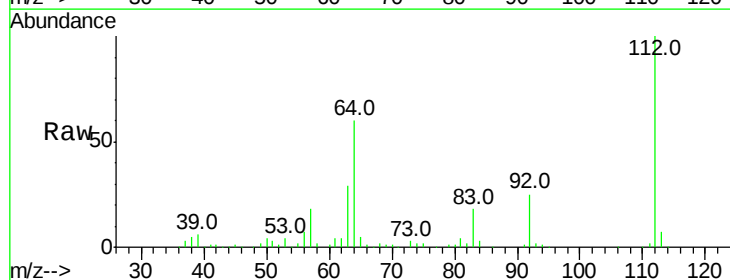
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



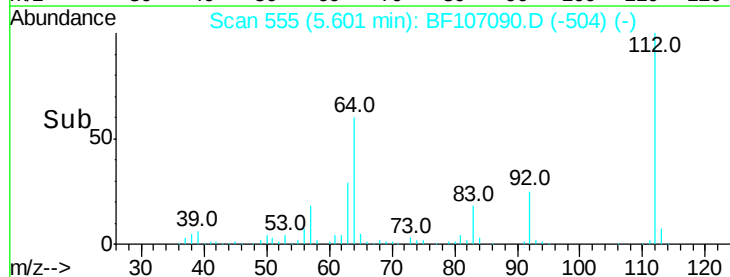
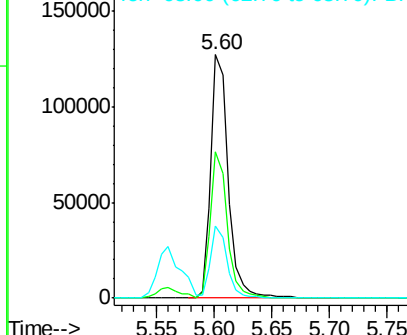
#5

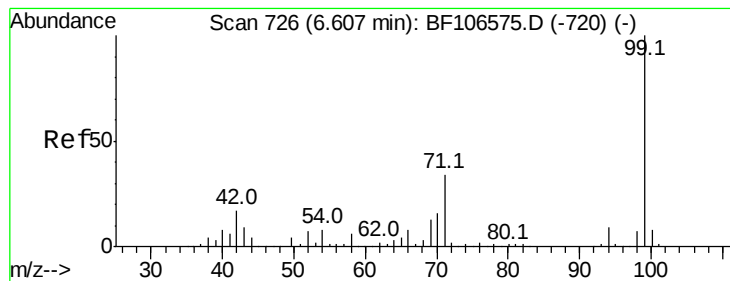
2-Fluorophenol
Concen: 41.288 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Tgt Ion:112 Resp: 133753
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 29.4 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: 38.417 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

Instrument :

BNA_F

ClientSampleId :

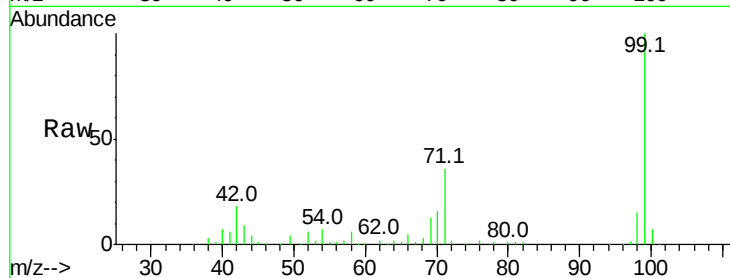
Tot Ion: 99 Resp: 155415

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

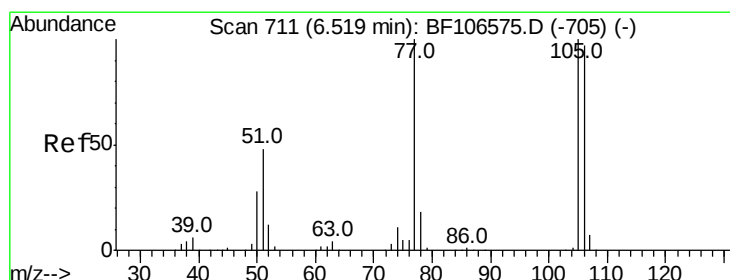
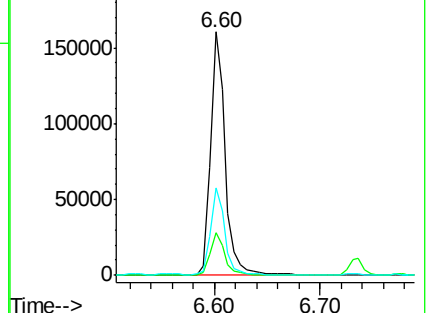
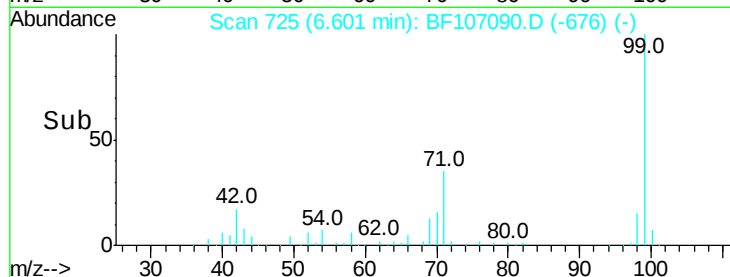
71 36.1 25.4 38.0



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: 2.141 ng

RT: 6.51 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

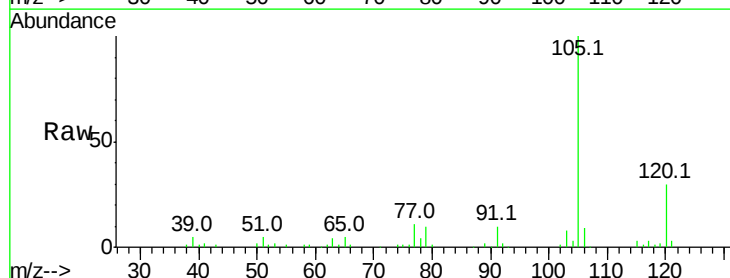
Tgt Ion: 77 Resp: 7271

Ion Ratio Lower Upper

77 100

105 912.0 81.1 121.1#

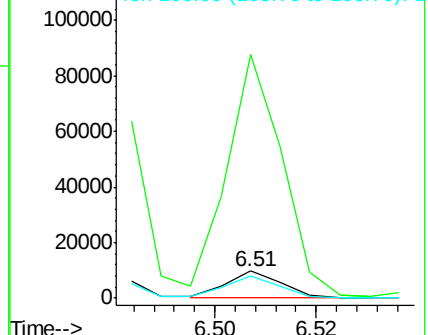
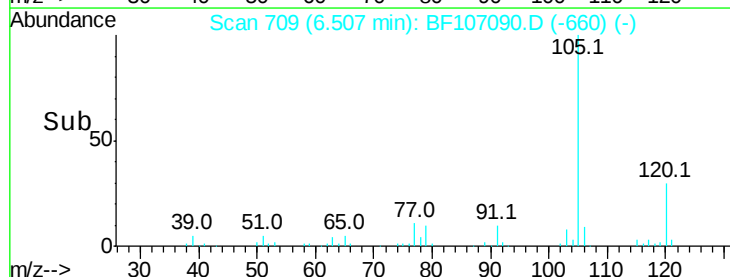
106 82.8 74.5 114.5

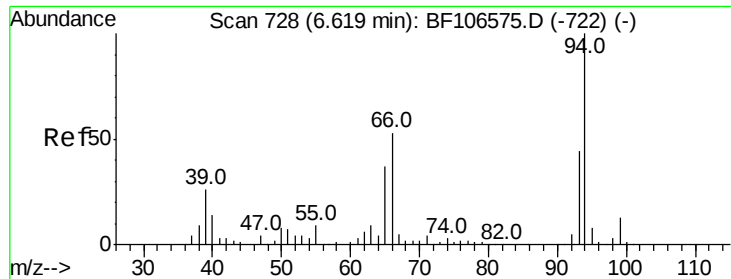


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 9.066 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

Instrument :

BNA_F

ClientSampleId :

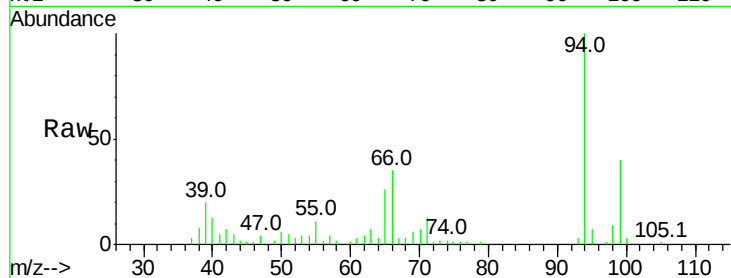
Tot Ion: 94 Resp: 41857

Ion Ratio Lower Upper

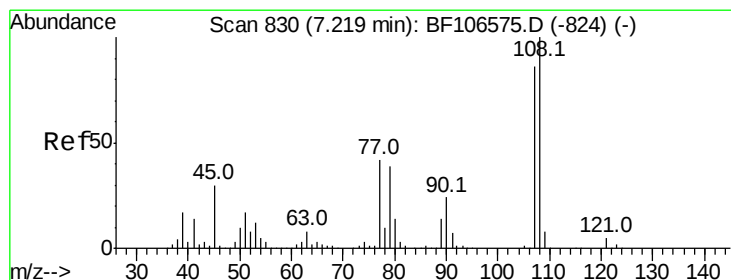
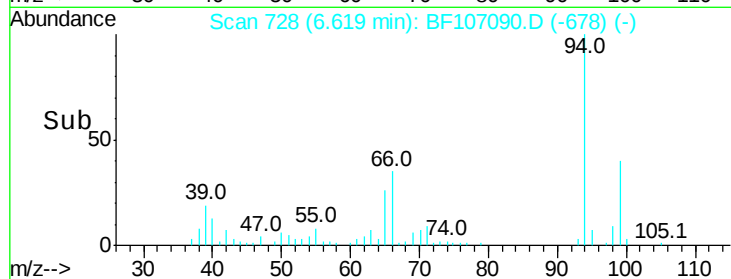
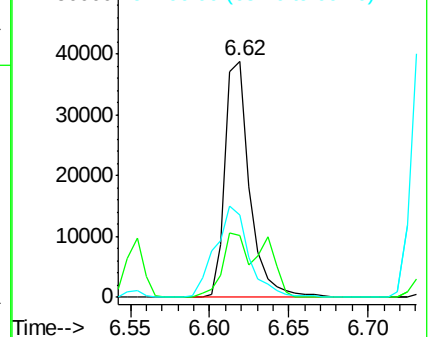
94 100

65 26.2 7.9 47.9

66 35.2 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



#17

2-Methylphenol

Concen: 3.191 ng

RT: 7.22 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

Tgt Ion:107 Resp: 9704

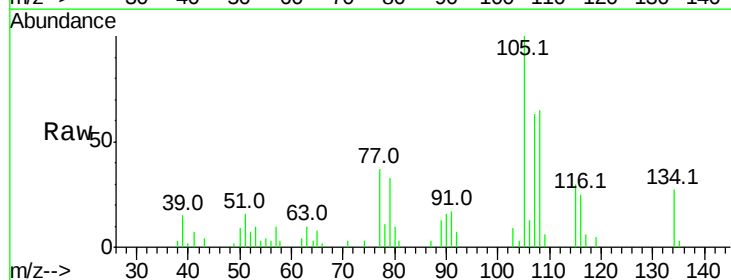
Ion Ratio Lower Upper

107 100

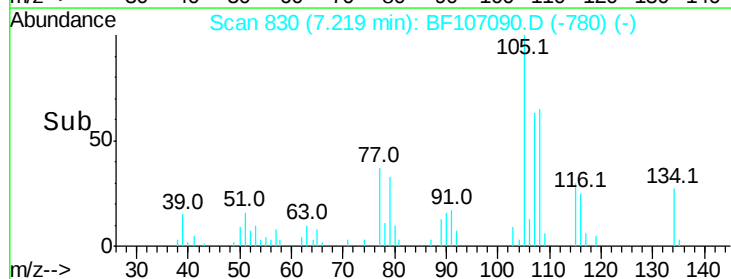
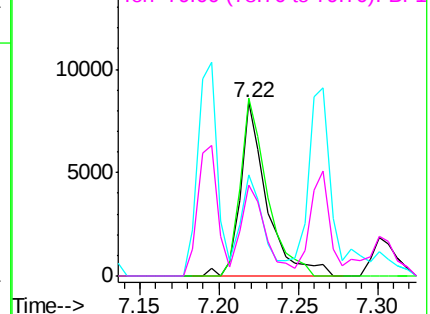
108 102.6 91.7 137.5

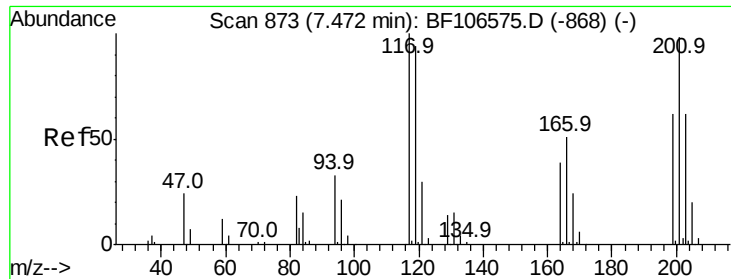
77 57.9 33.8 50.8#

79 52.3 33.8 50.8#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

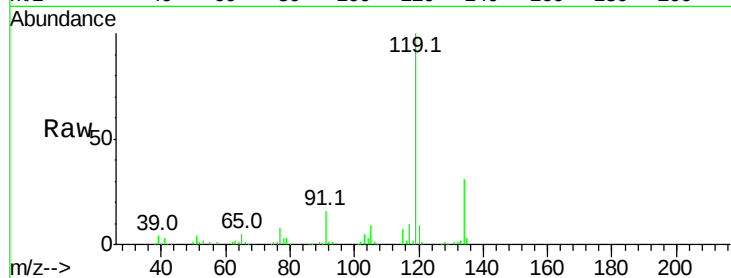




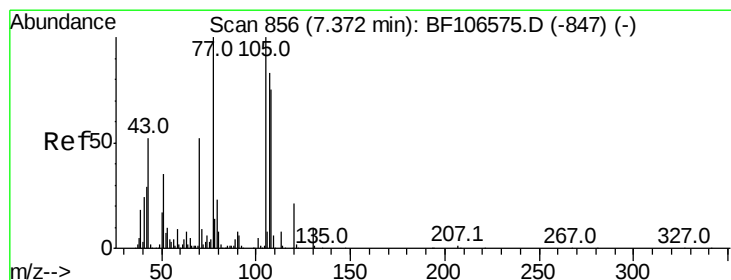
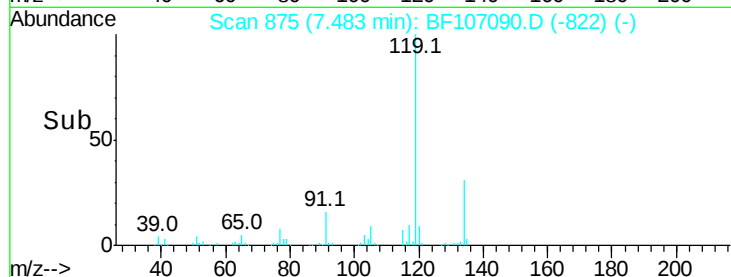
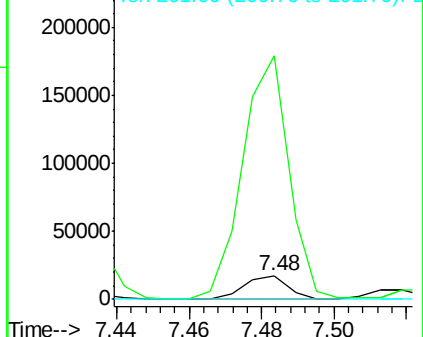
#18
Hexachloroethane
Concen: 10.050 ng
RT: 7.48 min Scan# 875
Delta R.T. 0.01 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 14870
Ion Ratio Lower Upper
117 100
119 1036.4 75.8 113.8#
201 0.0 75.7 113.5#

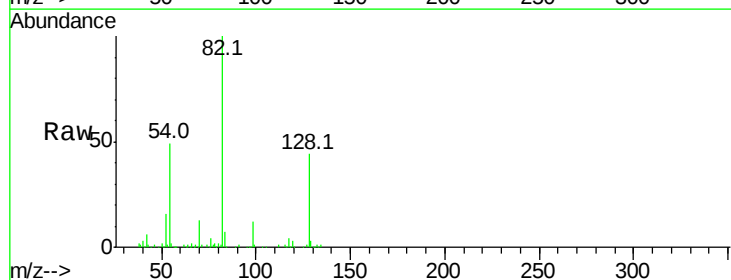


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

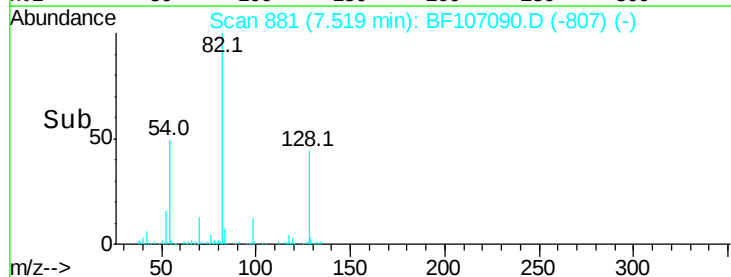
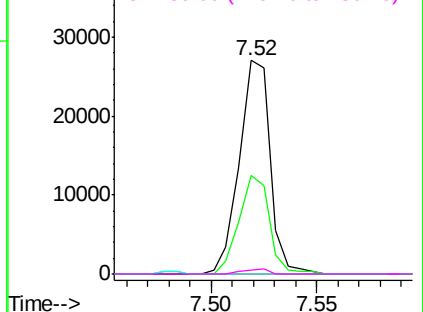


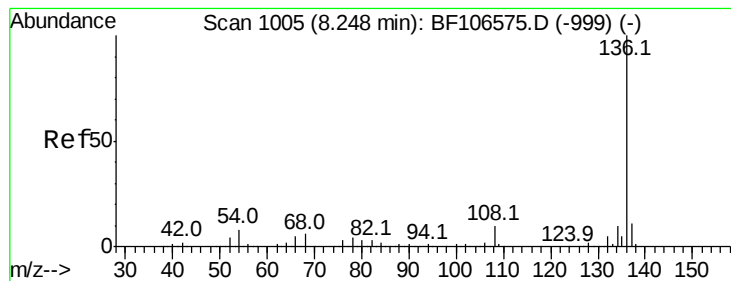
#19
n-Nitroso-di-n-propylamine
Concen: 10.293 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Tgt Ion: 70 Resp: 27447
Ion Ratio Lower Upper
70 100
42 45.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 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): E
Ion 130.00 (129.70 to 130.70): E

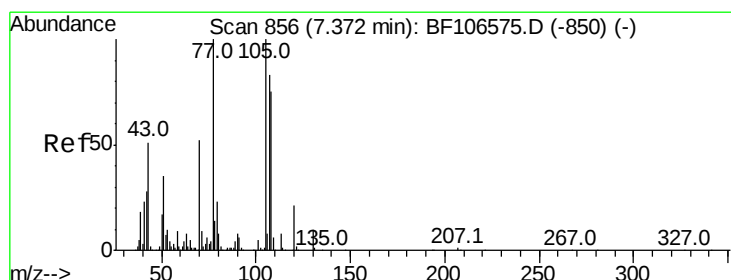
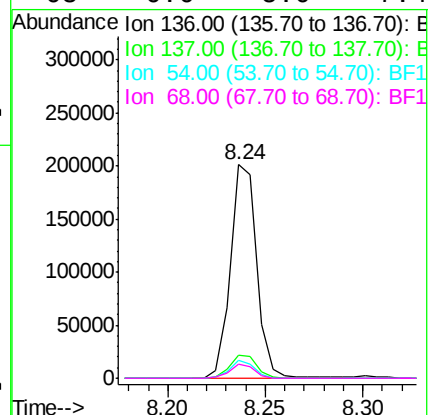
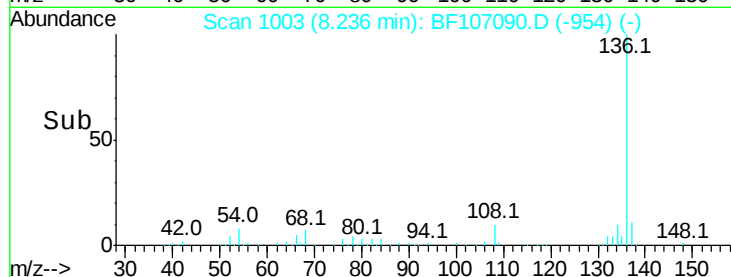
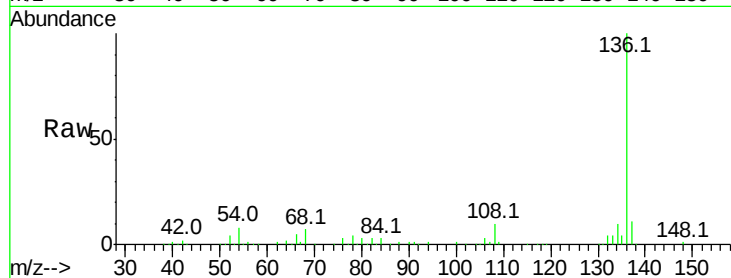




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

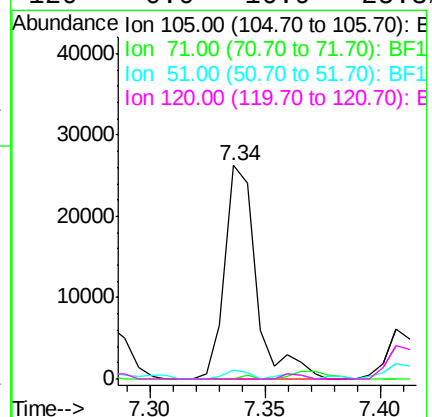
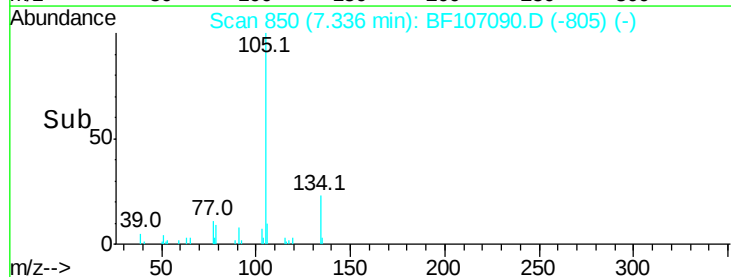
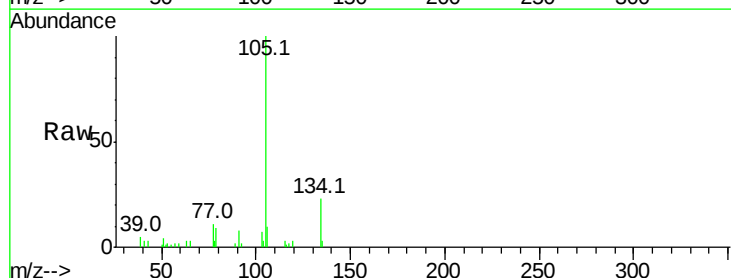
Instrument :
BNA_F
ClientSampleId :

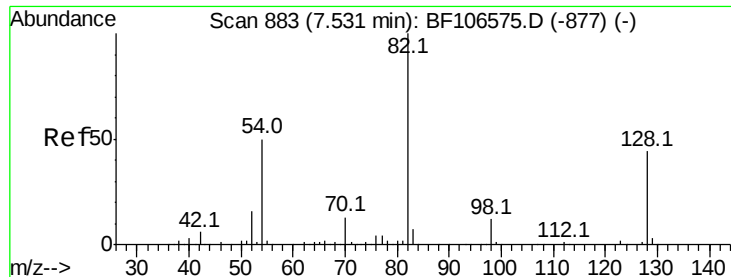
Tot Ion:136	Resp:	188578
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	8.2	6.6 9.8
68	6.6	5.0 7.4



#22
Acetophenone
Concen: 5.922 ng
RT: 7.34 min Scan# 850
Delta R.T. -0.04 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Tgt Ion:105	Resp:	24985
Ion	Ratio	Lower Upper
105	100	
71	0.0	4.4 6.6#
51	4.5	22.3 33.5#
120	0.0	16.9 25.3#

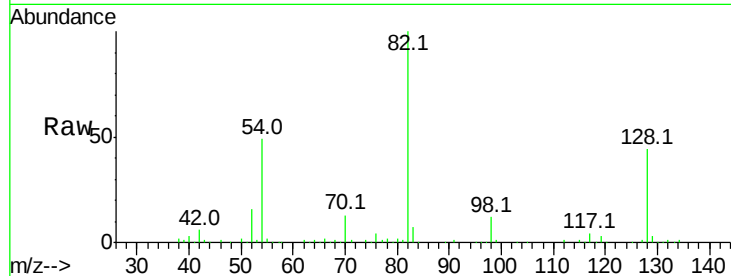




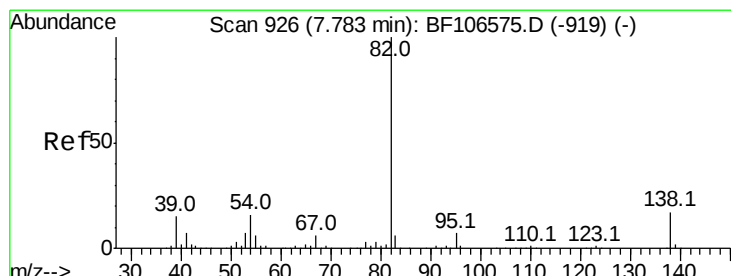
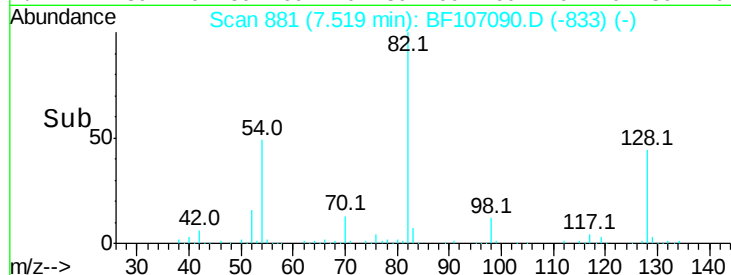
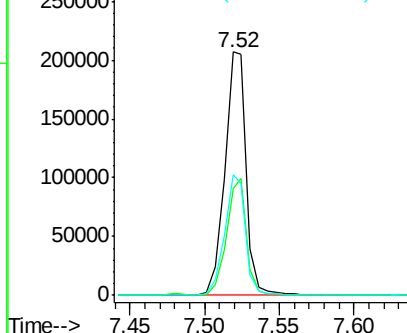
#23
 Nitrobenzene-d5
 Concen: 61.867 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 209933
 Ion Ratio Lower Upper
 82 100
 128 43.7 36.1 54.1
 54 49.4 41.4 62.2

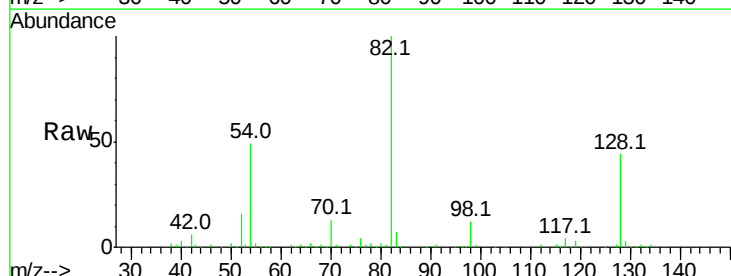


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

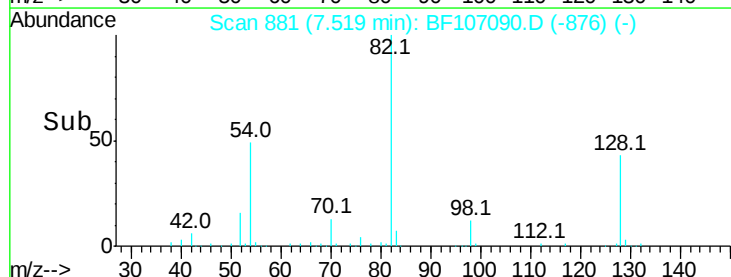
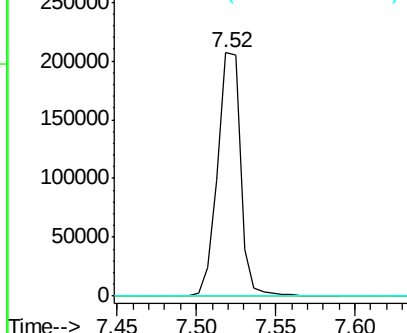


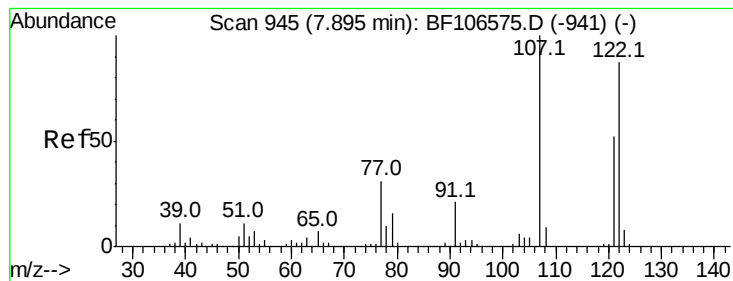
#25
 Isophorone
 Concen: 35.108 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

Tgt Ion: 82 Resp: 209929
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 14.292 ng

RT: 7.91 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

Instrument :

BNA_F

ClientSampleId :

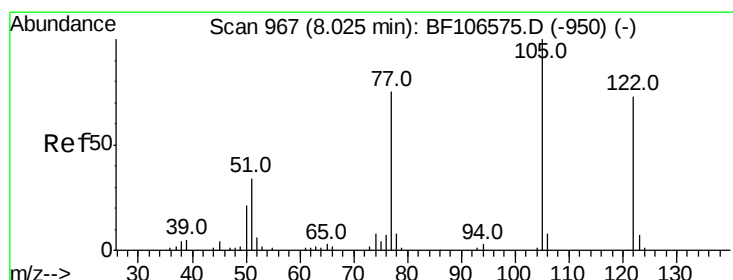
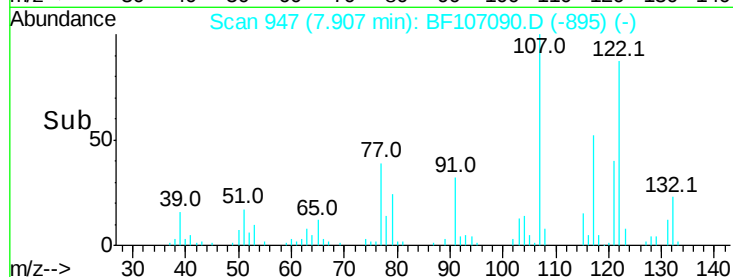
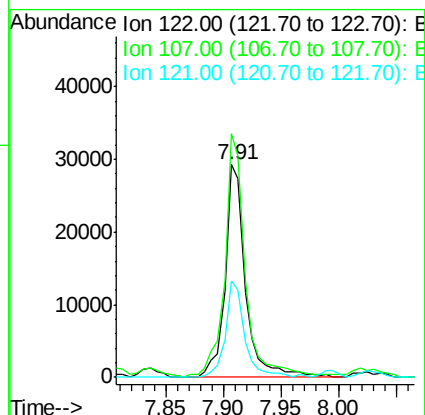
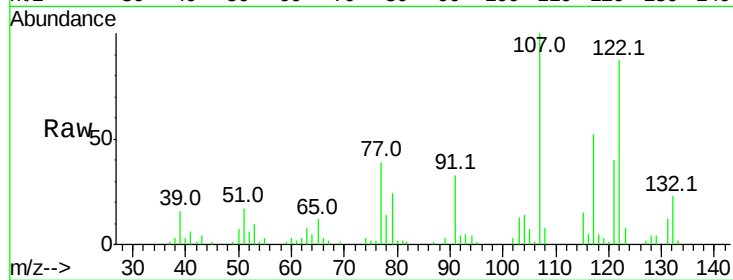
Tot Ion:122 Resp: 36129

Ion Ratio Lower Upper

122 100

107 114.5 91.2 136.8

121 45.6 47.2 70.8#



#32

Benzoic acid

Concen: 6.295 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

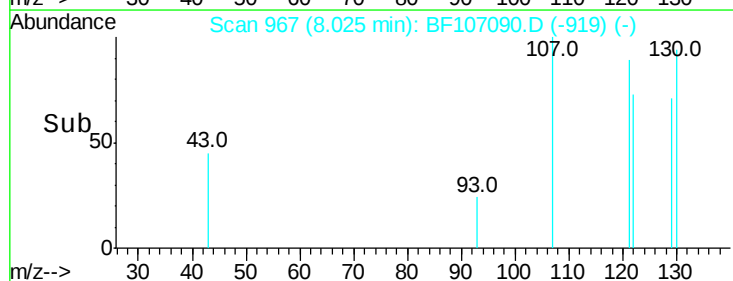
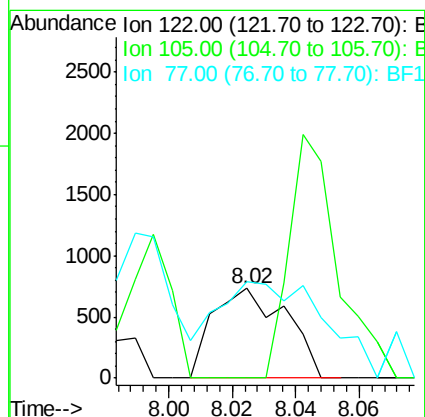
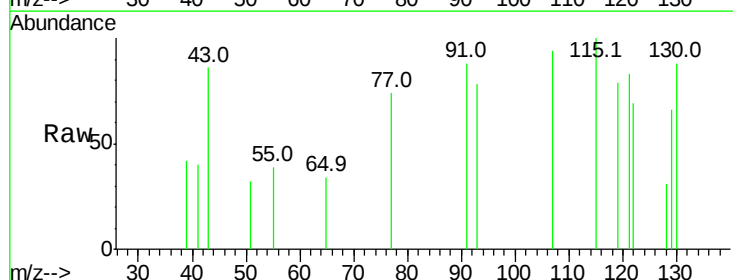
Tgt Ion:122 Resp: 1178

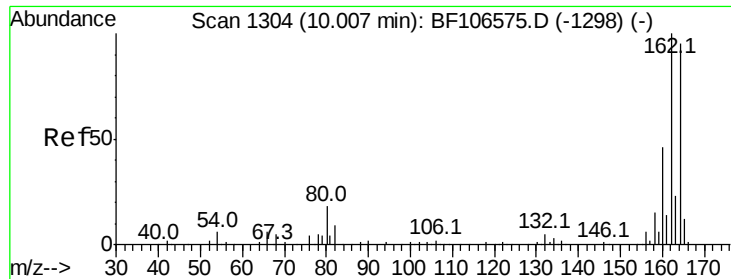
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 107.9 70.7 110.7

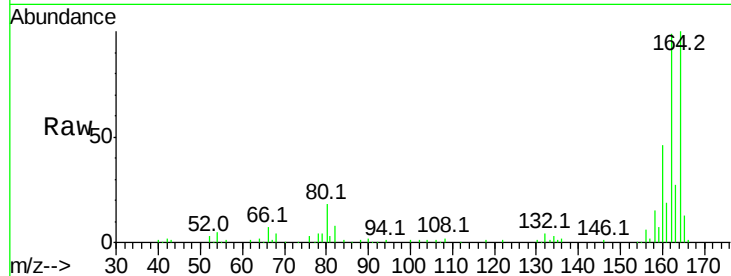




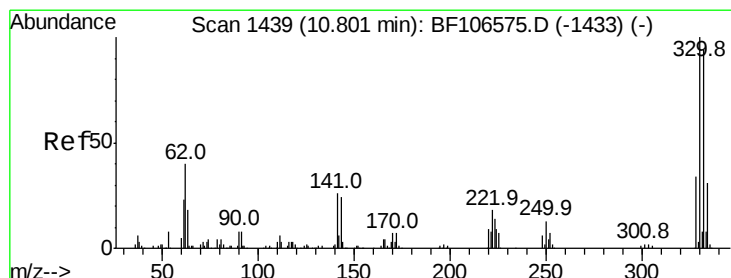
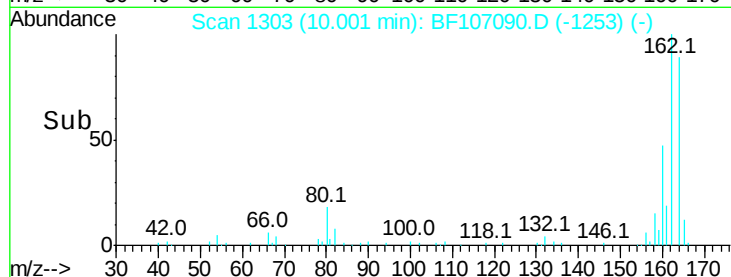
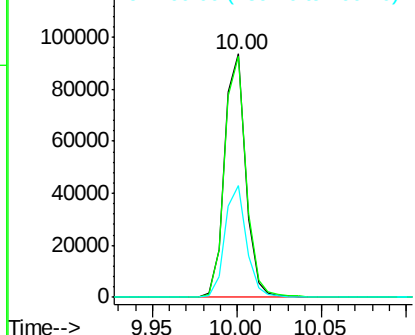
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 82038
 Ion Ratio Lower Upper
 164 100
 162 99.1 86.1 129.1
 160 45.9 38.3 57.5

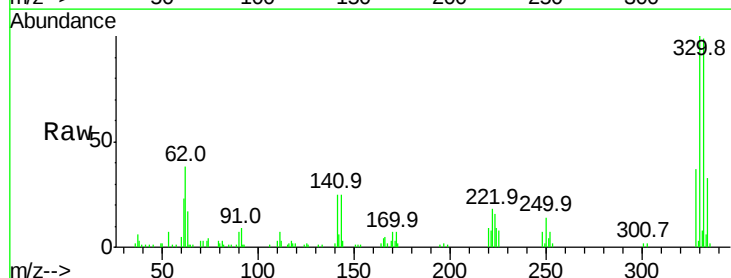


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

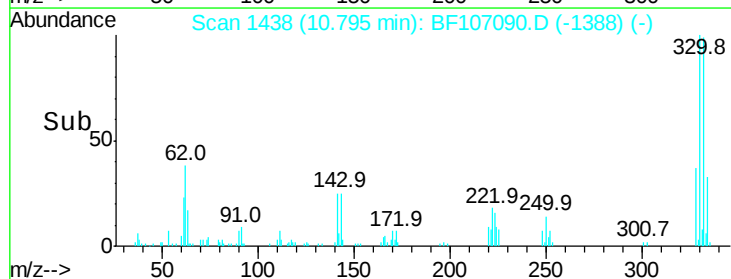
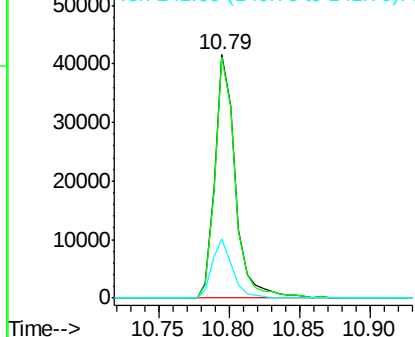


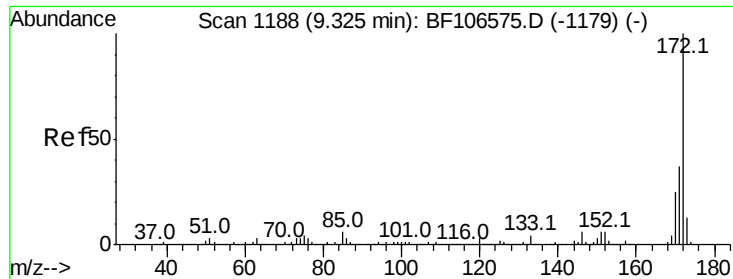
#41
 2,4,6-Tribromophenol
 Concen: 43.983 ng
 RT: 10.79 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

Tgt Ion:330 Resp: 41821
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 24.2 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

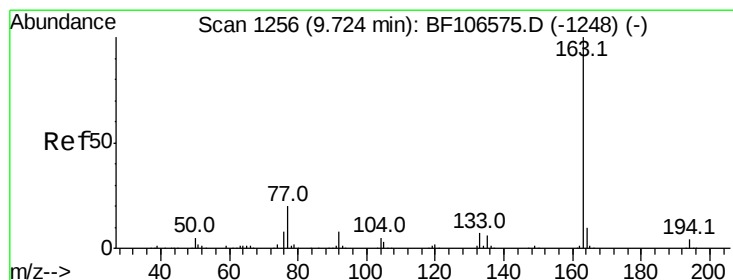
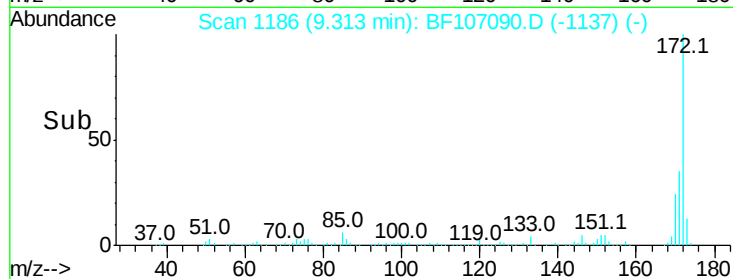
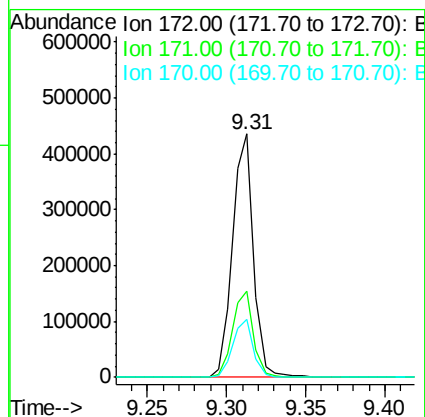
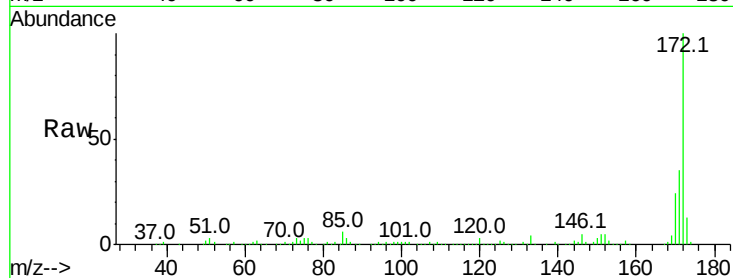




#44
 2-Fluorobiphenyl
 Concen: 81.910 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

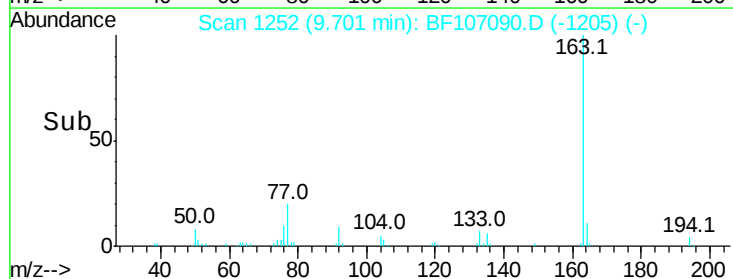
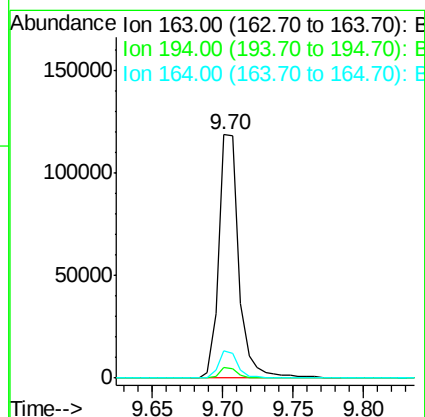
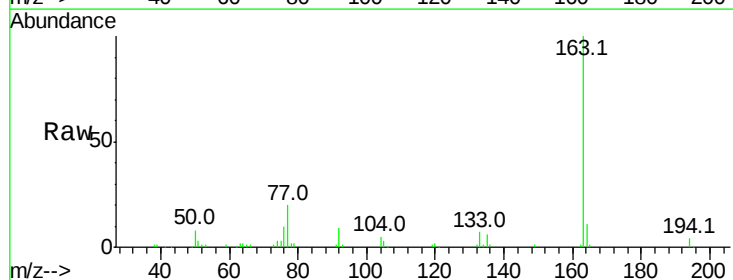
Instrument :
 BNA_F
 ClientSampleId :

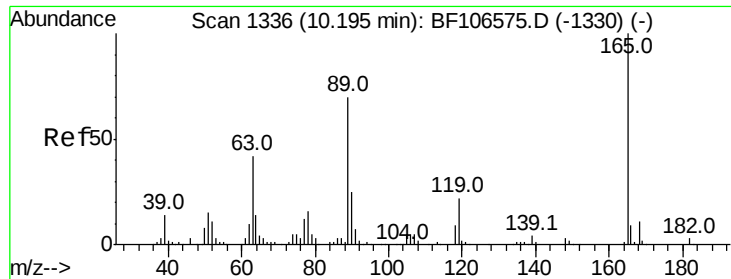
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4



#49
 Dimethylphthalate
 Concen: 19.096 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF107090.D
 Acq: 3 Jul 2018 18:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	11.2	8.2	12.2

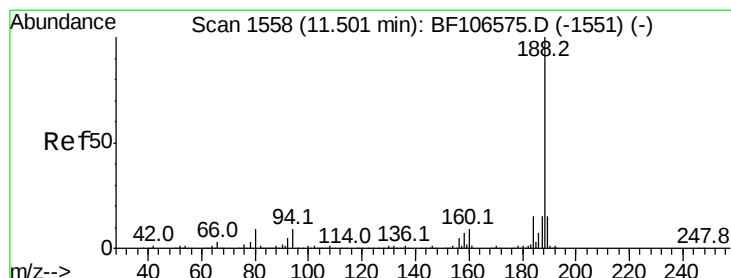
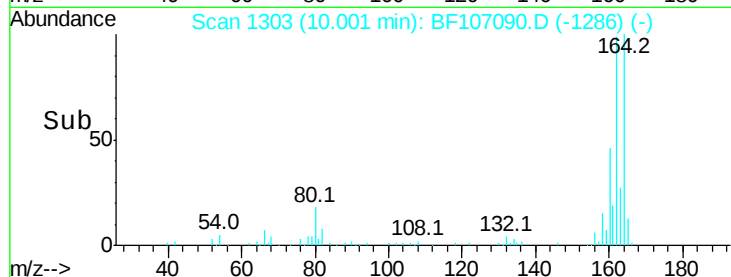
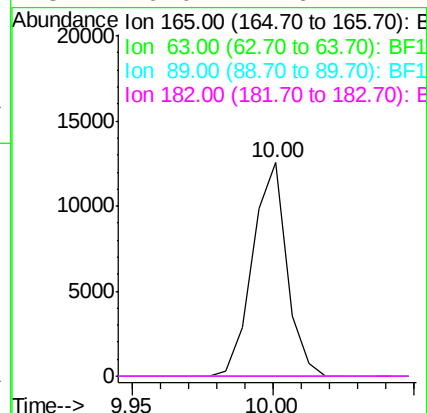
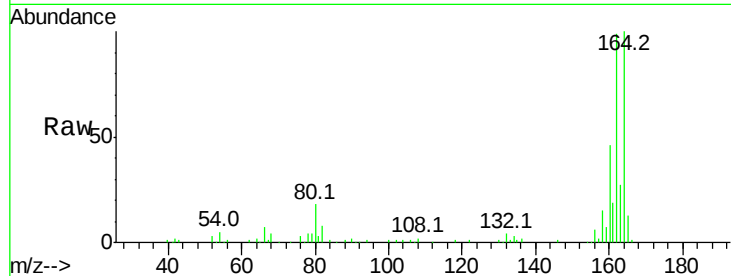




#56
2,4-Dinitrotoluene
Concen: 6.199 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

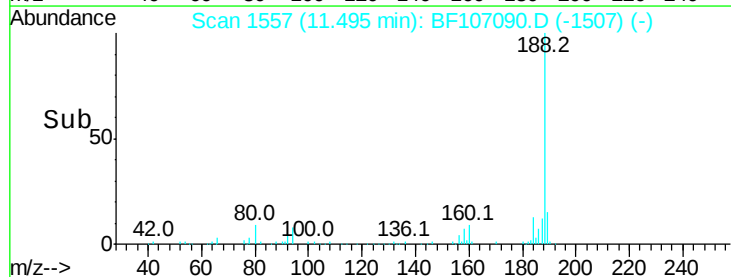
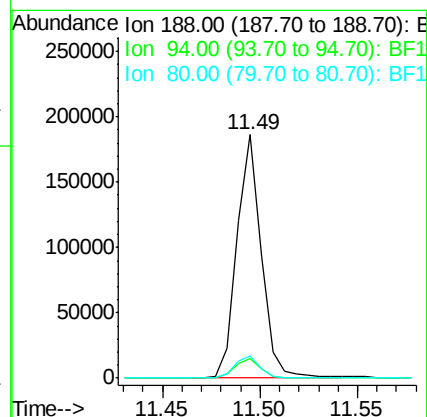
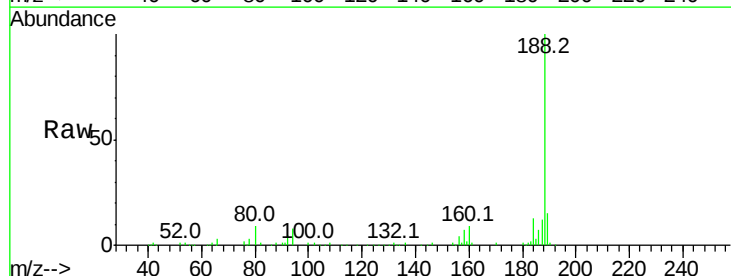
Instrument :
BNA_F
ClientSampleId :

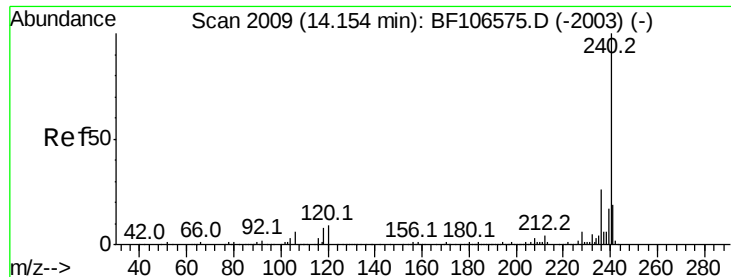
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	9.2	9.2	13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

Instrument :

BNA_F

ClientSampleId :

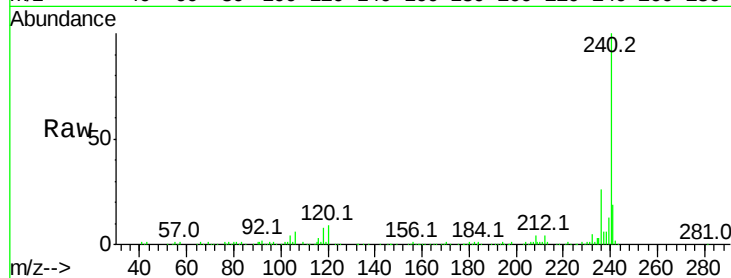
Tot Ion:240 Resp: 143352

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

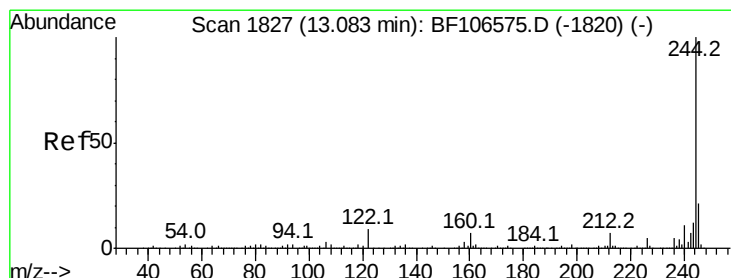
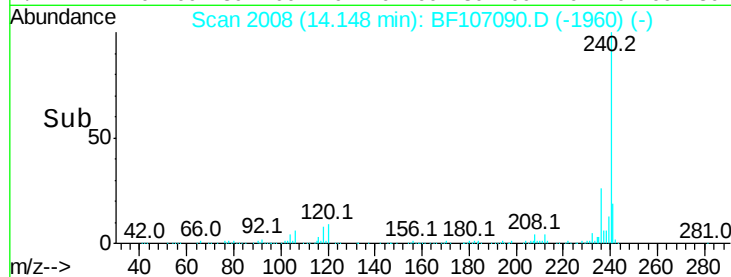
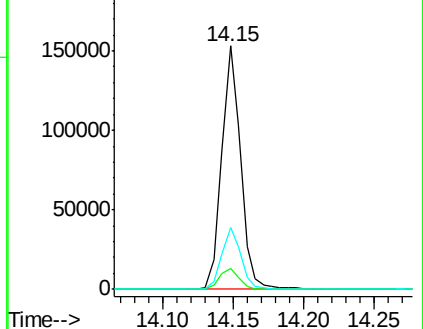
236 25.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 83.854 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107090.D

Acq: 3 Jul 2018 18:57

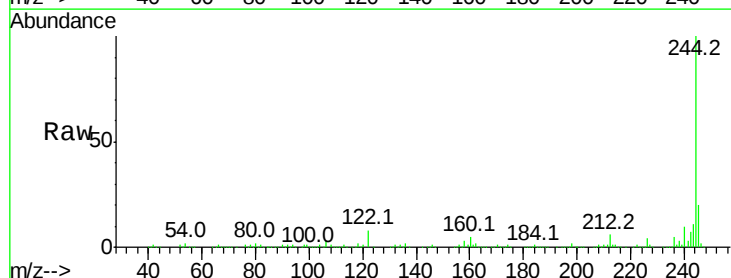
Tgt Ion:244 Resp: 496247

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

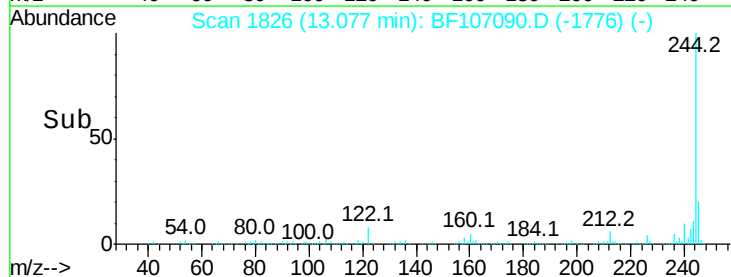
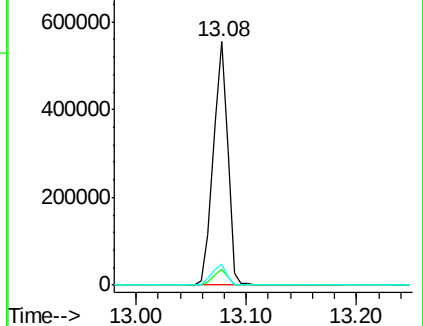
122 8.5 11.0 16.4#

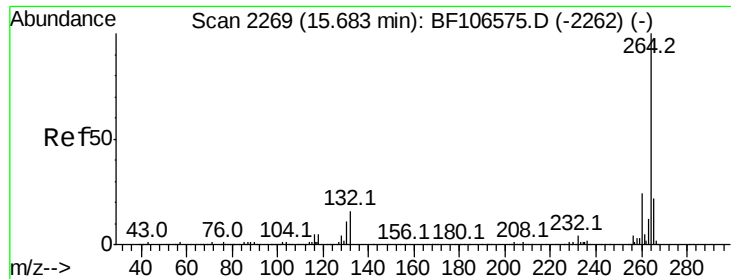


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



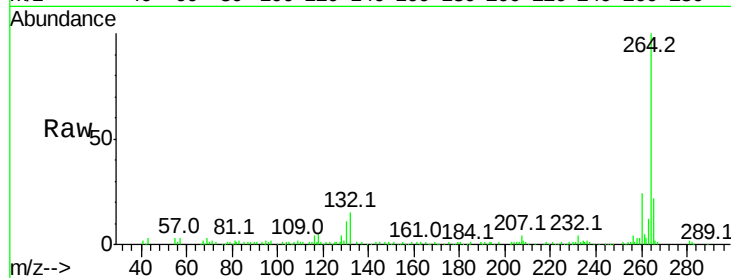


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107090.D
Acq: 3 Jul 2018 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 110640

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3



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

