

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
 Data File : BF107128.D
 Acq On : 5 Jul 2018 15:51
 Operator : JU/SJ
 Sample : J3853-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6

Quant Time: Jul 05 16:26:53 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

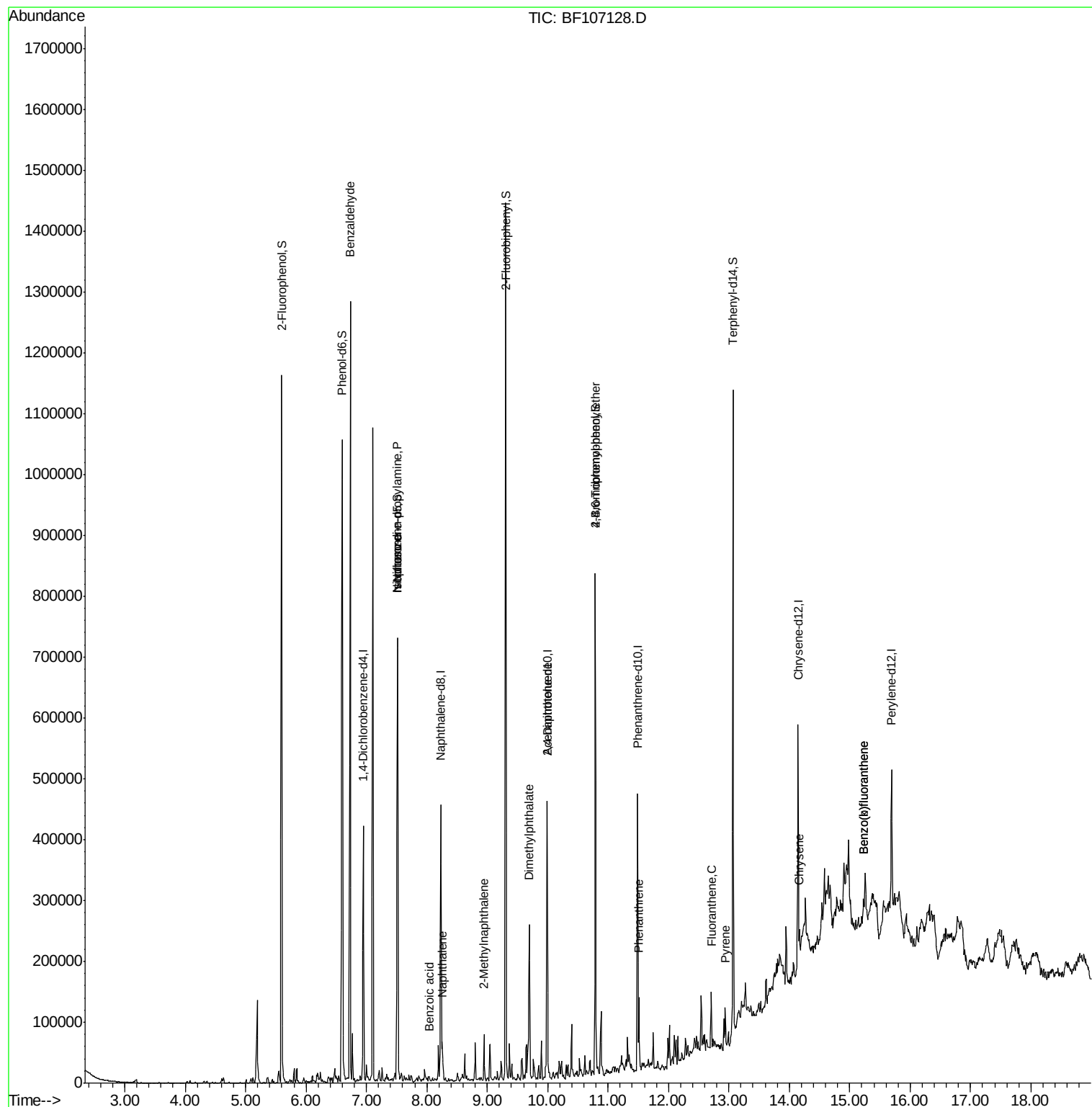
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	57026	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	211651	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	98191	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	161382	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	151983	20.00	ng	-0.02
86) Perylene-d12	15.69	264	136586	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	348393	103.45	ng	0.00
7) Phenol-d6	6.60	99	432263	102.78	ng	-0.02
23) Nitrobenzene-d5	7.51	82	267352	70.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	113058	99.34	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	467388	79.64	ng	-0.02
78) Terphenyl-d14	13.07	244	388942	61.99	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.73	77	7253	2.058	ng	94
19) n-Nitroso-di-n-propylamine	7.51	70	37293	13.452	ng	# 73
25) Isophorone	7.51	82	267350	39.837	ng	# 64
31) Naphthalene	8.25	128	22618	2.286	ng	99
32) Benzoic acid	8.04	122	108	5.777	ng	# 1
37) 2-Methylnaphthalene	8.95	142	22840	3.482	ng	97
49) Dimethylphthalate	9.70	163	96822	13.147	ng	# 98
56) 2,4-Dinitrotoluene	9.99	165	13944	6.850	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	7160	3.718	ng	# 1
70) Phenanthrene	11.51	178	42456	5.454	ng	98
74) Fluoranthene	12.71	202	32230	3.757	ng	97
77) Pyrene	12.94	202	26362	2.630	ng	98
82) Chrysene	14.17	228	22278	2.614	ng	# 95
87) Benzo(b)fluoranthene	15.23	252	28001	3.300	ng	# 79
88) Benzo(k)fluoranthene	15.23	252	28001	3.466	ng	# 82

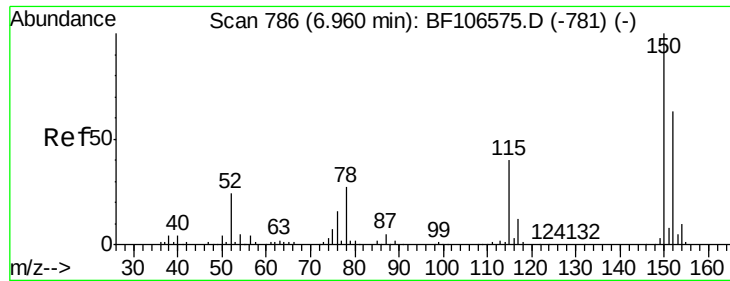
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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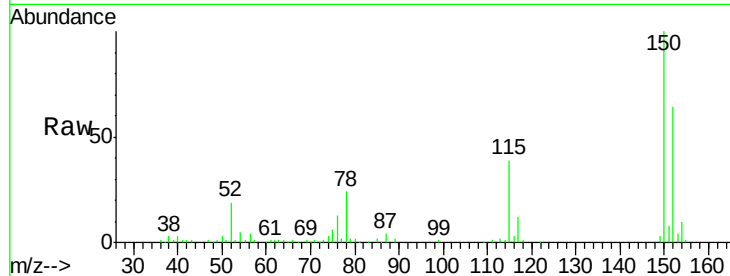


#1

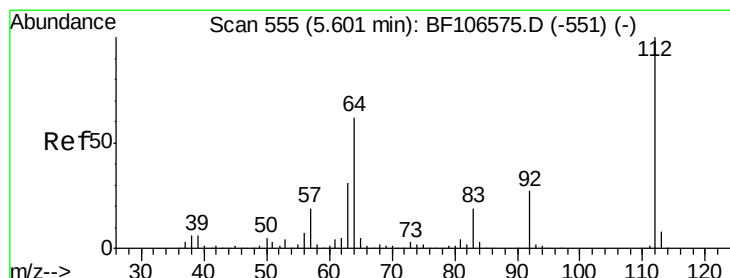
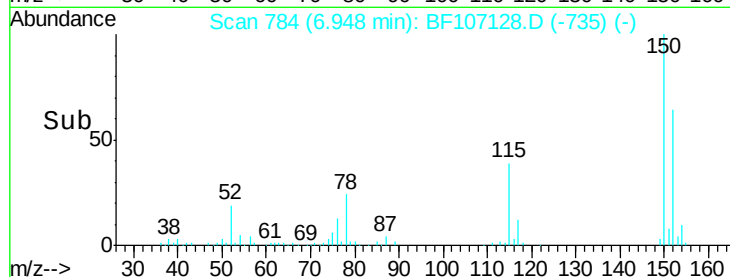
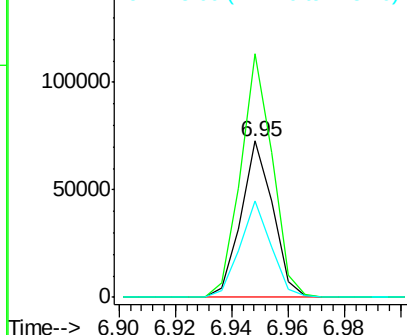
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Instrument :
BNA_F
ClientSampled :
B-6

Tgt Ion:152 Resp: 57026
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 61.4 50.1 75.1



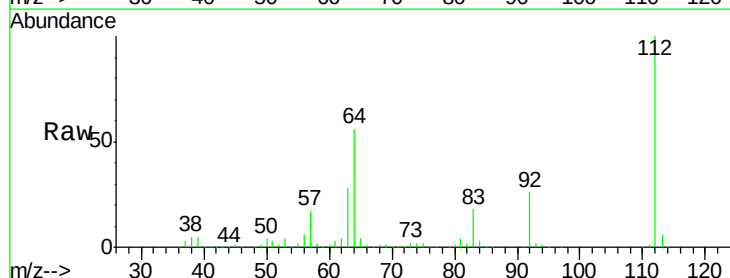
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



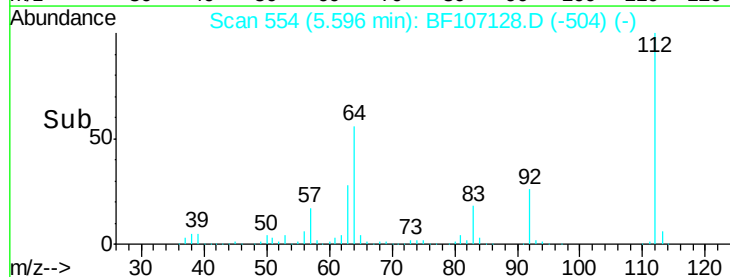
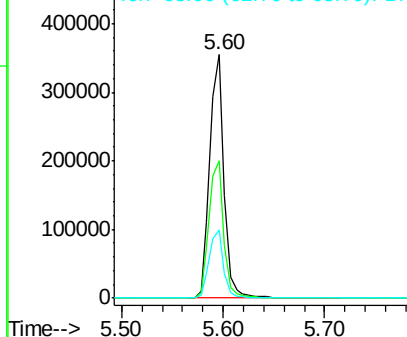
#5

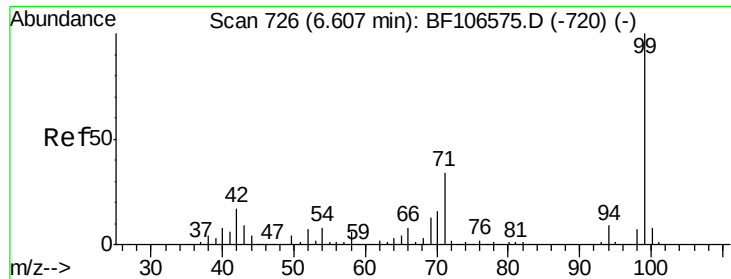
2-Fluorophenol
Concen: 103.451 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Tgt Ion:112 Resp: 348393
Ion Ratio Lower Upper
112 100
64 56.2 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: 102.782 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampled :

B-6

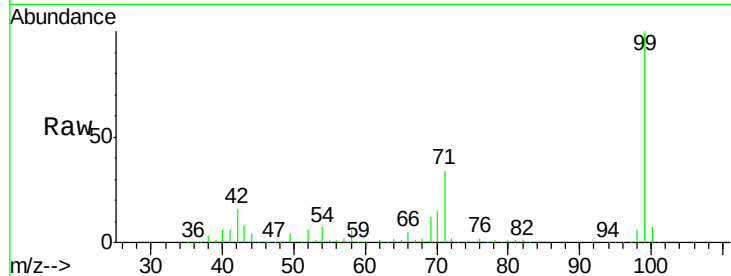
Tgt Ion: 99 Resp: 432263

Ion Ratio Lower Upper

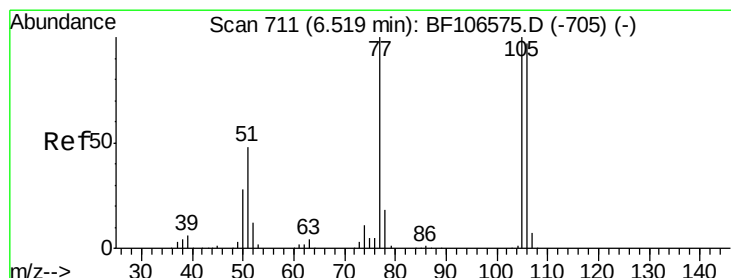
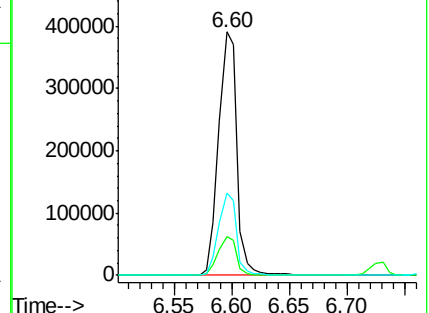
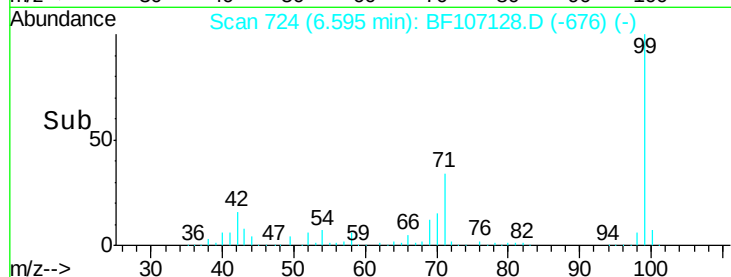
99 100

42 16.2 14.5 21.7

71 33.8 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: 2.058 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

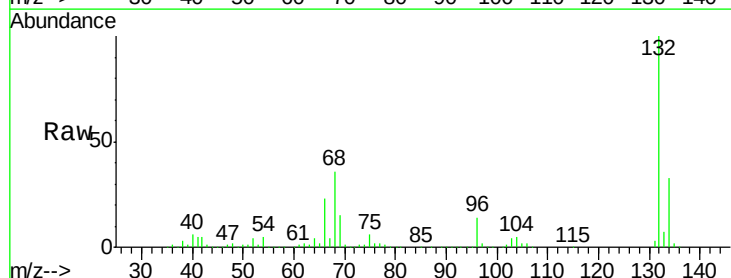
Tgt Ion: 77 Resp: 7253

Ion Ratio Lower Upper

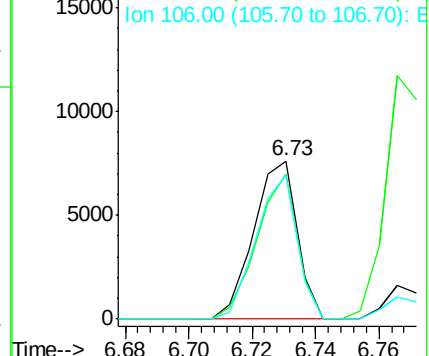
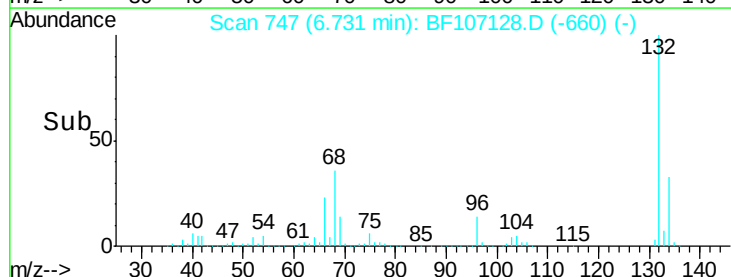
77 100

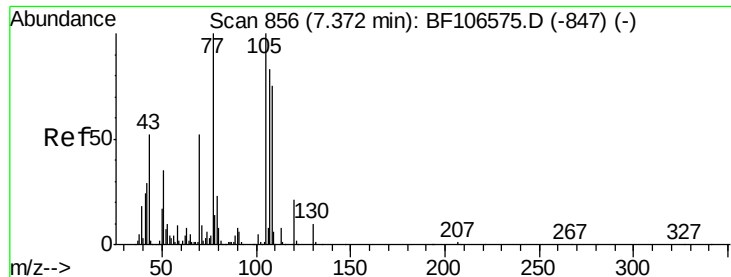
105 91.9 81.1 121.1

106 91.3 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

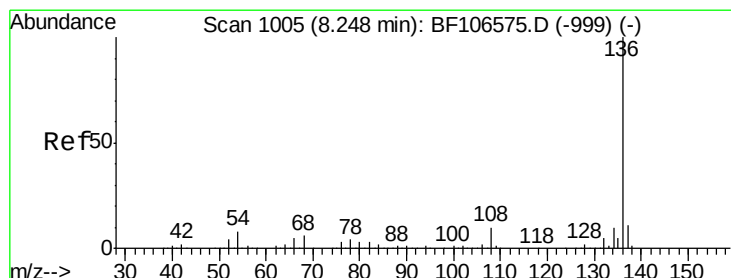
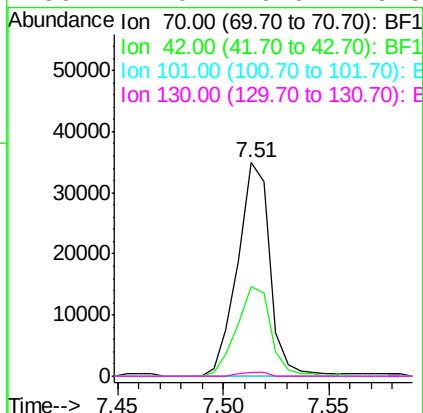
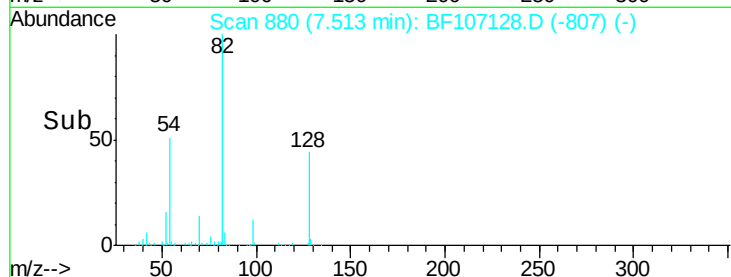
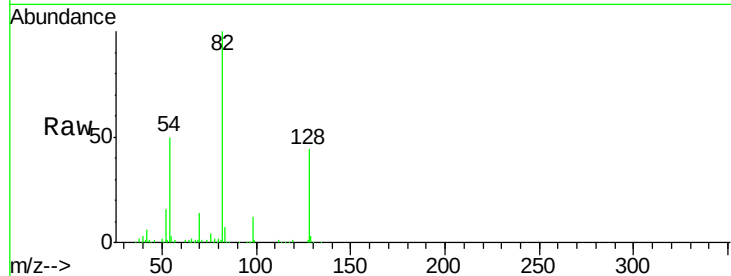




#19
n-Nitroso-di-n-propylamine
Concen: 13.452 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

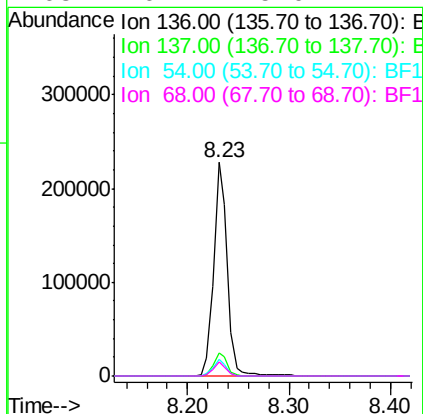
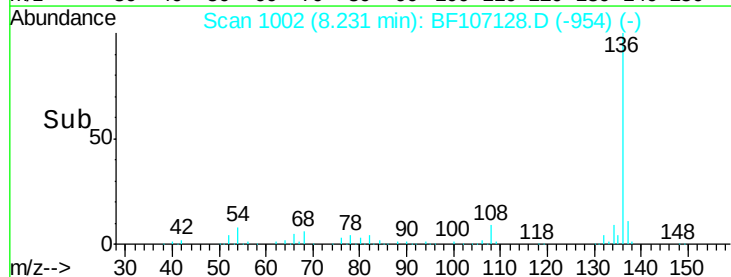
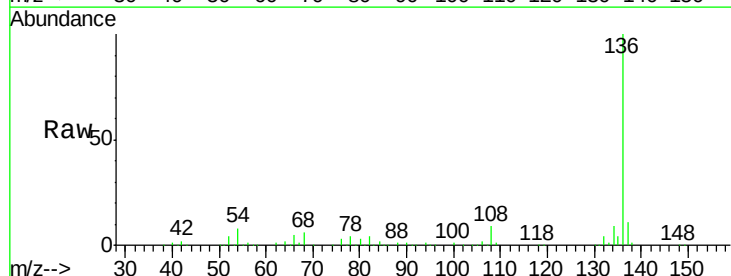
Instrument :
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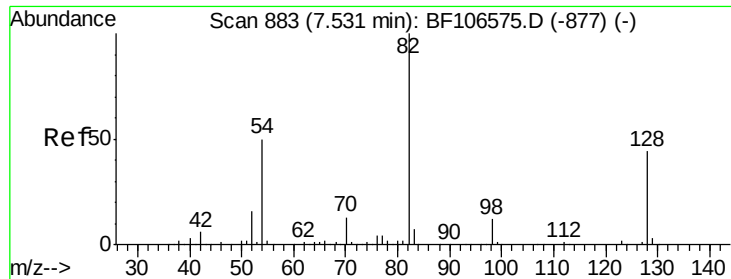
Tgt Ion: 70 Resp: 37293
Ion Ratio Lower Upper
70 100
42 41.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Tgt Ion: 136 Resp: 211651
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.9 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 70.199 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

B-6

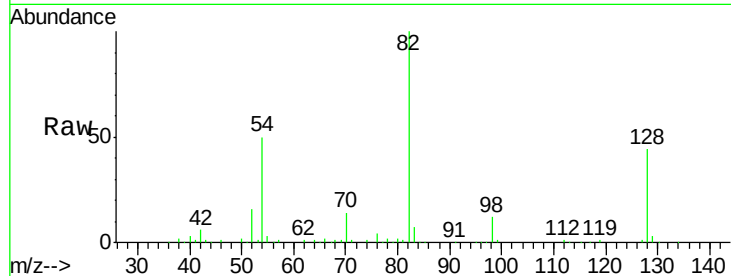
Tgt Ion: 82 Resp: 267352

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

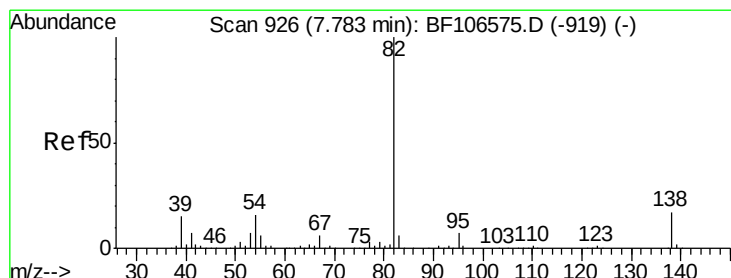
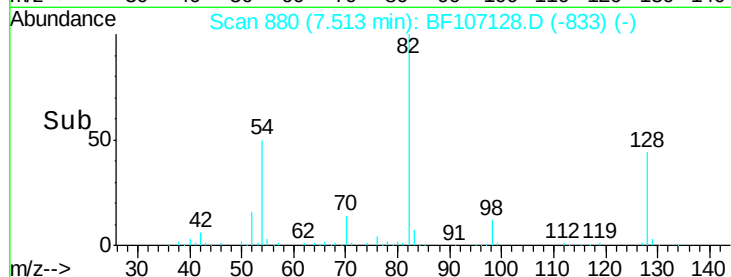
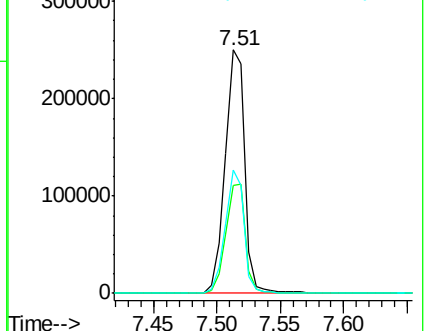
54 50.4 41.4 62.2



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: 39.837 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

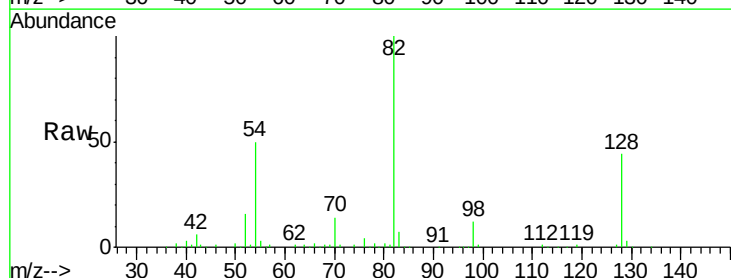
Tgt Ion: 82 Resp: 267350

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

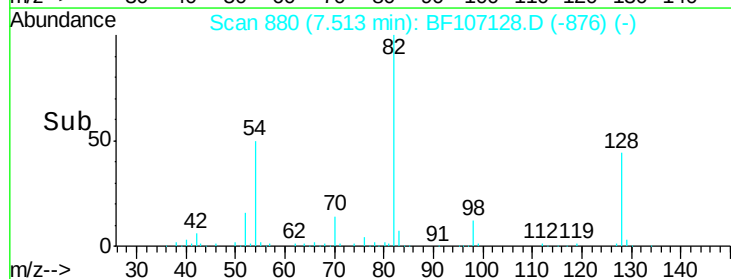
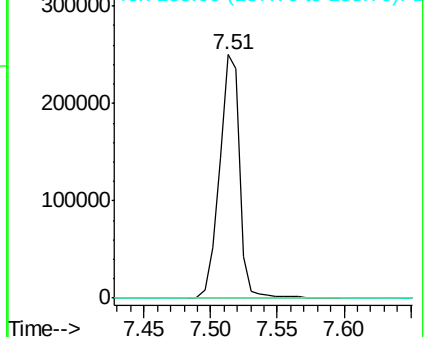
138 0.0 14.9 22.3#

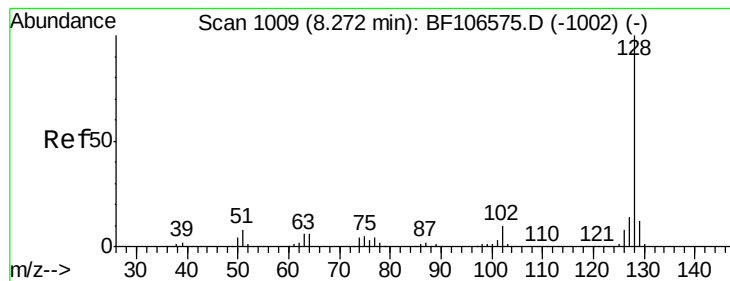


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.286 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

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ClientSampleId :

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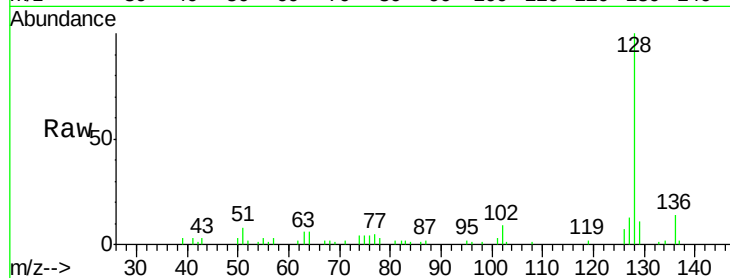
Tgt Ion:128 Resp: 22618

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

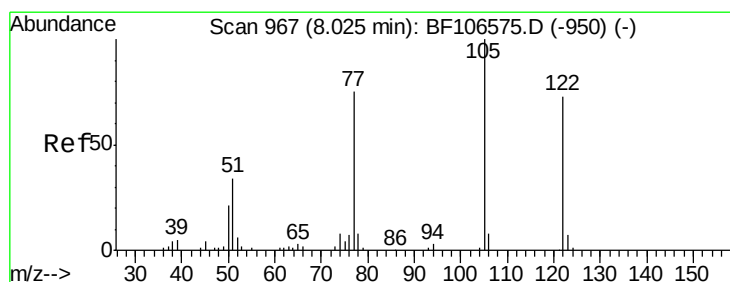
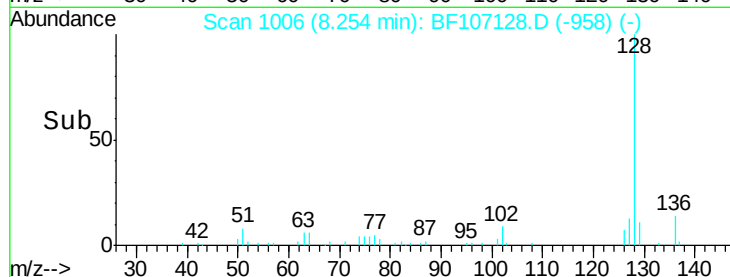
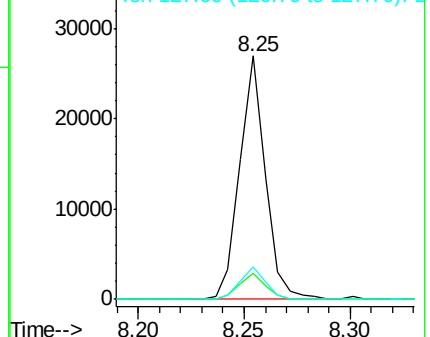
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.777 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

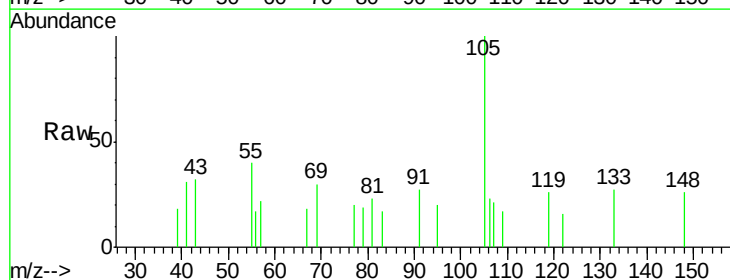
Tgt Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 620.3 101.1 141.1#

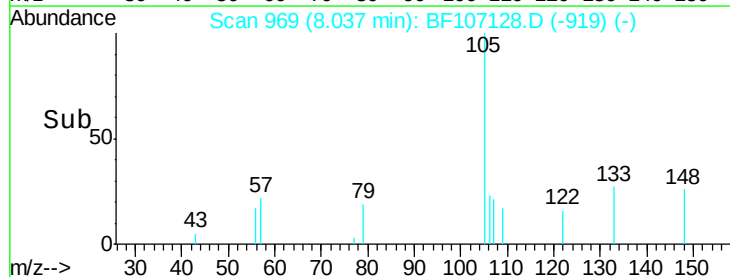
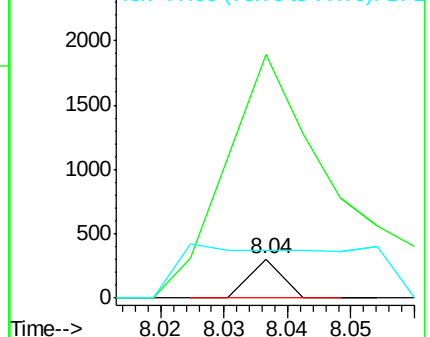
77 123.3 70.7 110.7#

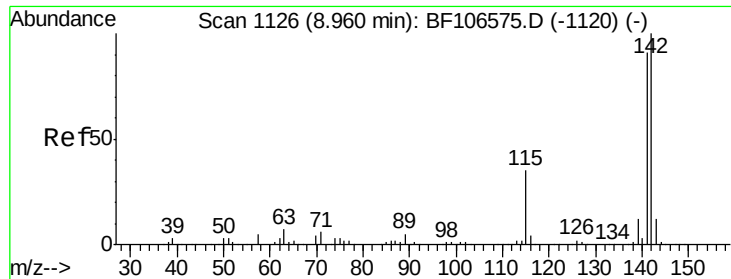


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

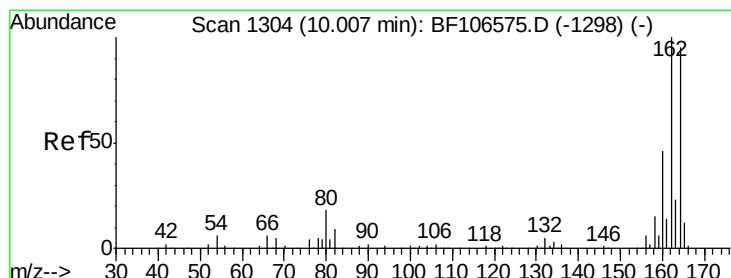
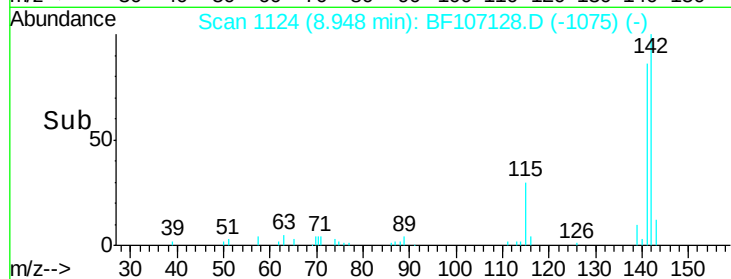
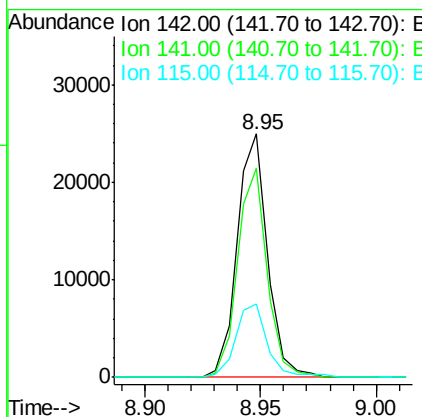
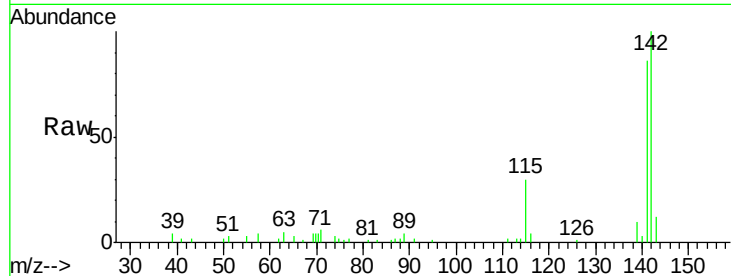




#37
 2-Methylnaphthalene
 Concen: 3.482 ng
 RT: 8.95 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

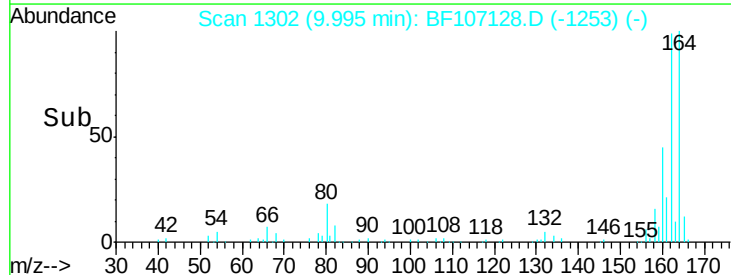
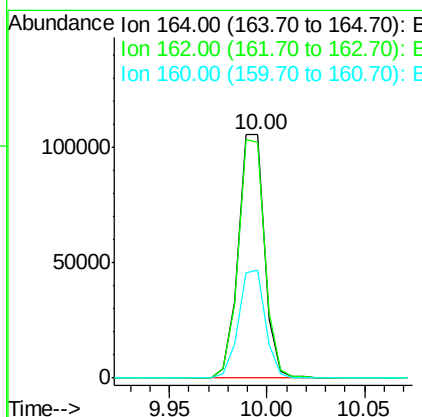
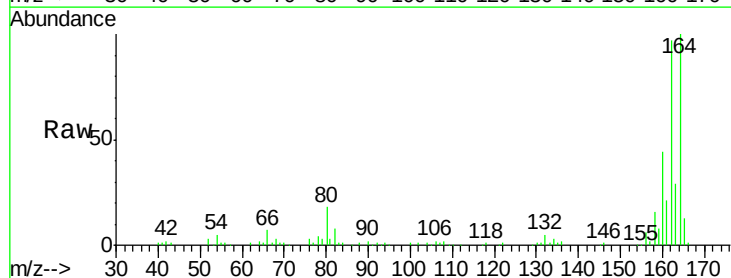
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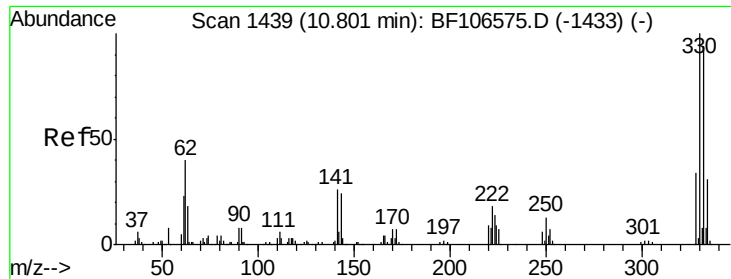
Tgt Ion:142 Resp: 22840
 Ion Ratio Lower Upper
 142 100
 141 85.7 70.8 106.2
 115 30.1 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

Tgt Ion:164 Resp: 98191
 Ion Ratio Lower Upper
 164 100
 162 96.9 86.1 129.1
 160 44.3 38.3 57.5

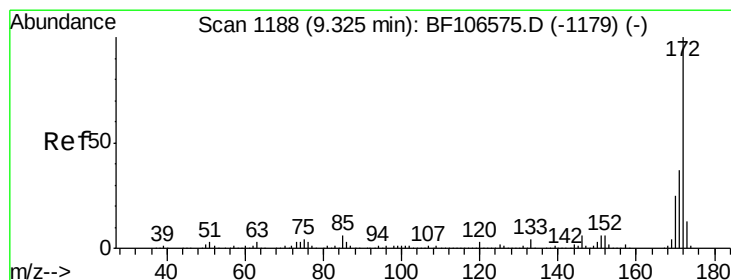
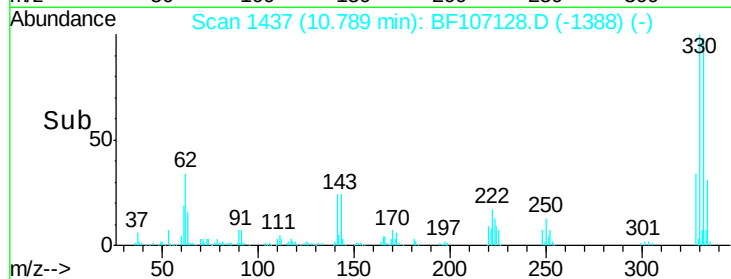
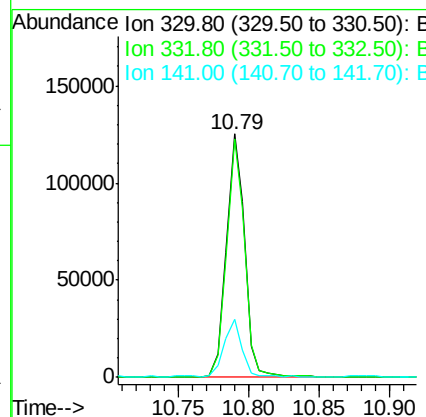
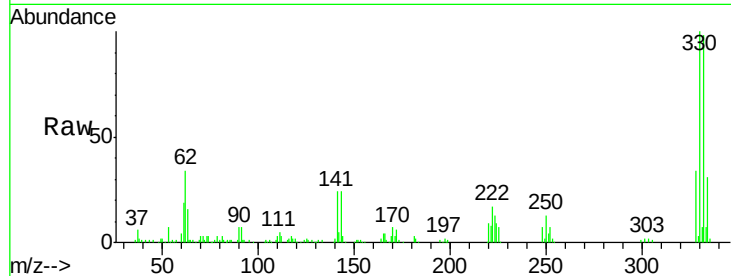




#41
 2,4,6-Tribromophenol
 Concen: 99.343 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

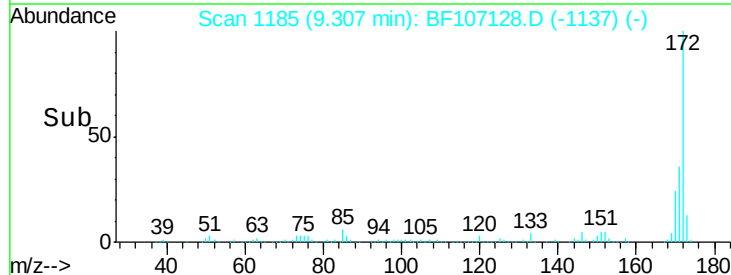
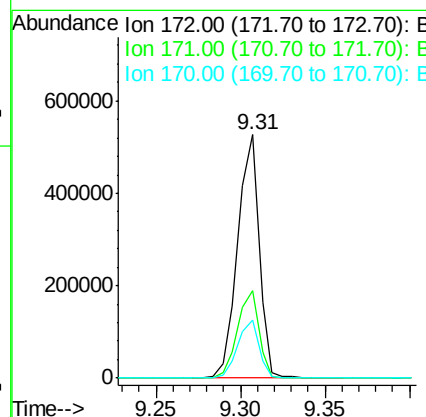
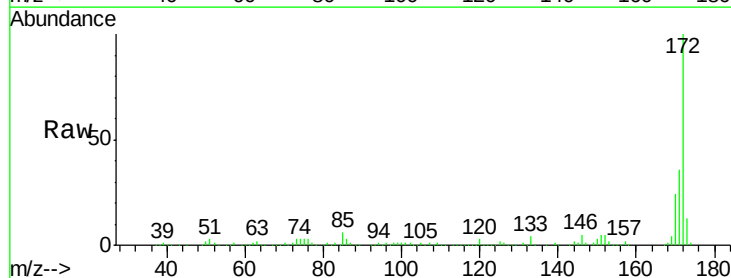
Instrument :
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 ClientSampleId :
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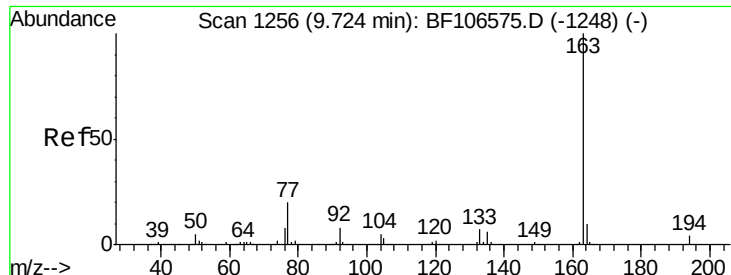
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	23.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 79.638 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

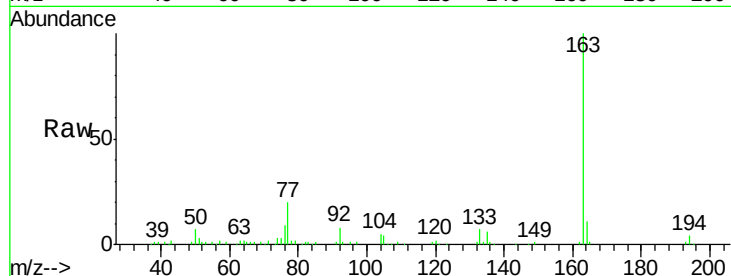




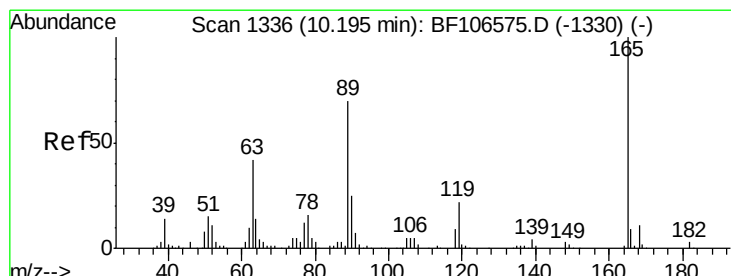
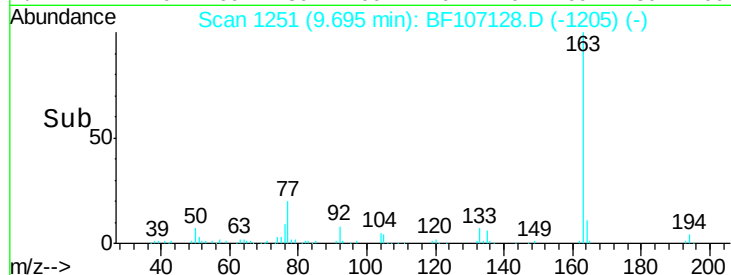
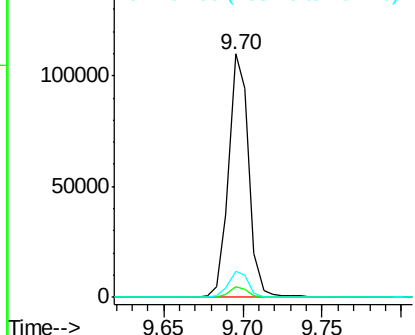
#49
Dimethylphthalate
Concen: 13.147 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Instrument :
BNA_F
ClientSampleId :
B-6

Tgt Ion:163 Resp: 96822
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.8 8.2 12.2

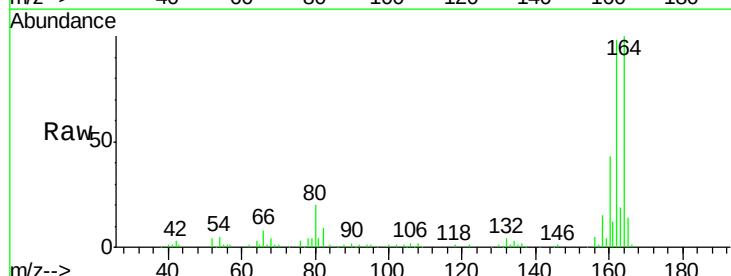


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

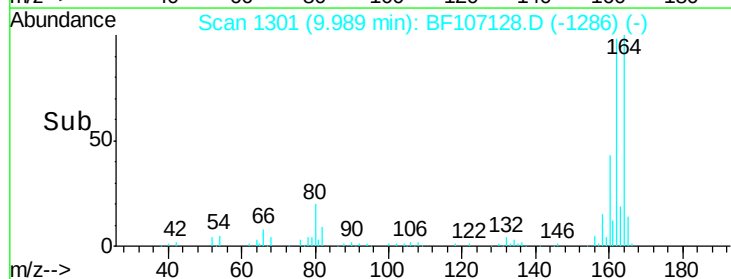
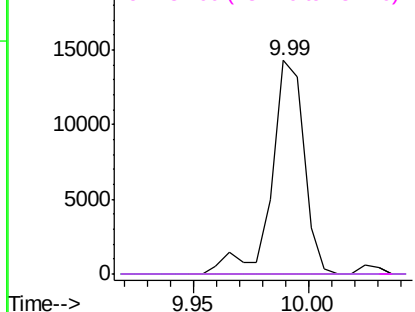


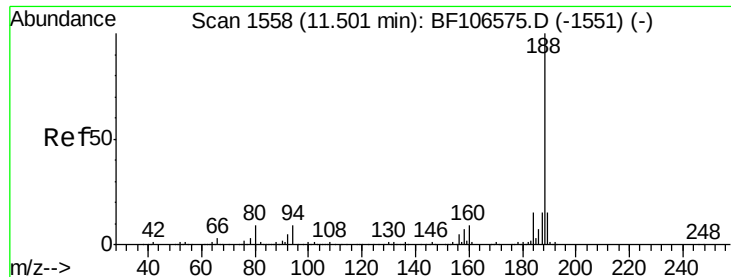
#56
2,4-Dinitrotoluene
Concen: 6.850 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Tgt Ion:165 Resp: 13944
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: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

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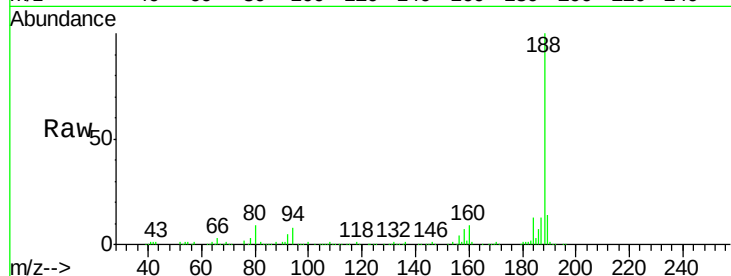
Tgt Ion:188 Resp: 161382

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

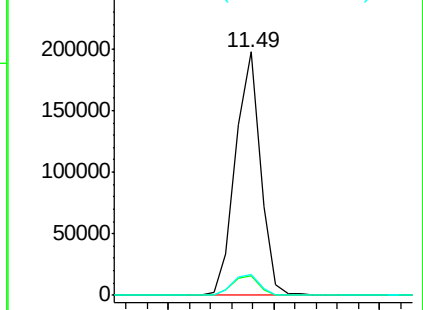
80 8.5 9.2 13.8#



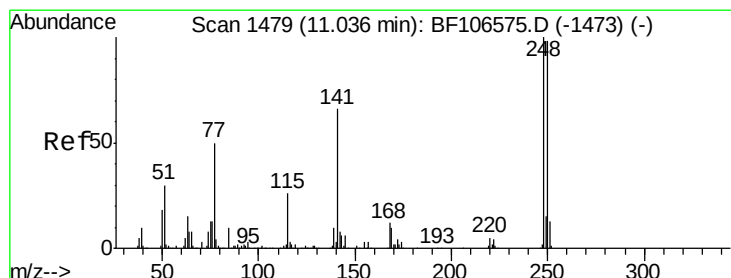
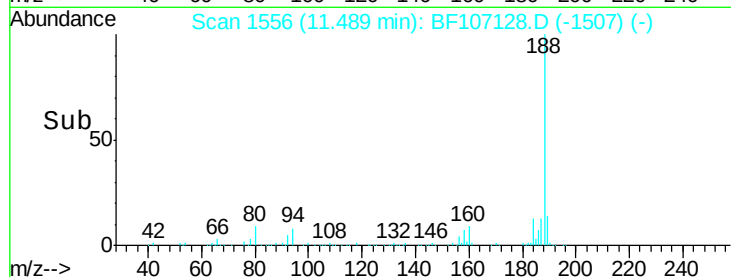
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.718 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

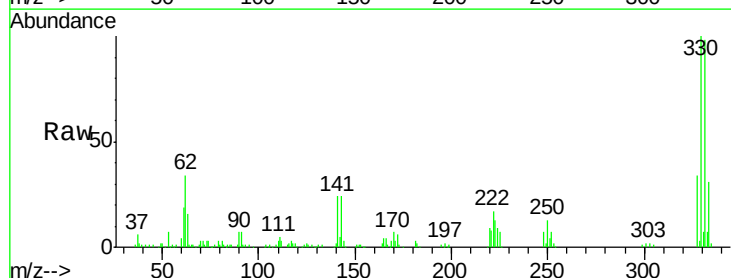
Tgt Ion:248 Resp: 7160

Ion Ratio Lower Upper

248 100

250 192.2 76.9 115.3#

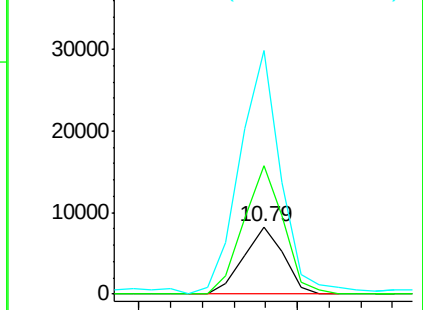
141 363.1 74.4 111.6#



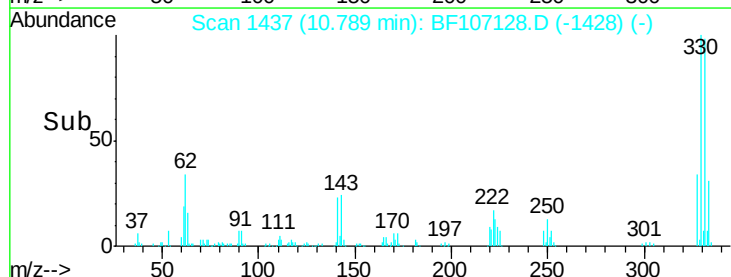
Abundance Ion 248.00 (247.70 to 248.70): E

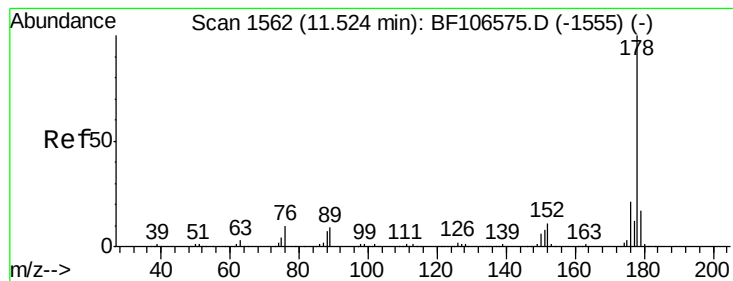
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#70

Phenanthrene

Concen: 5.454 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

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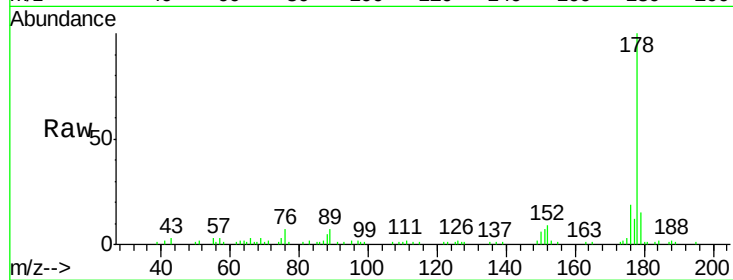
Tgt Ion:178 Resp: 42456

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

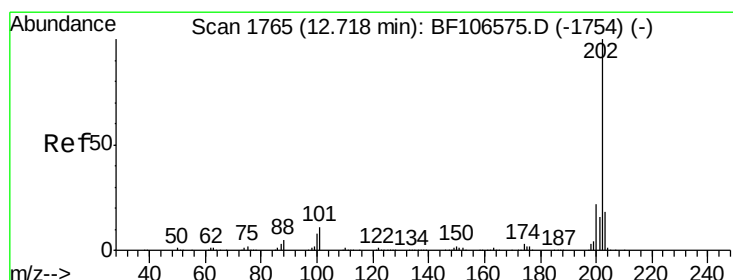
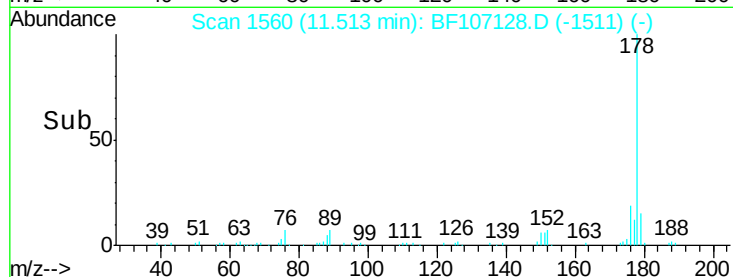
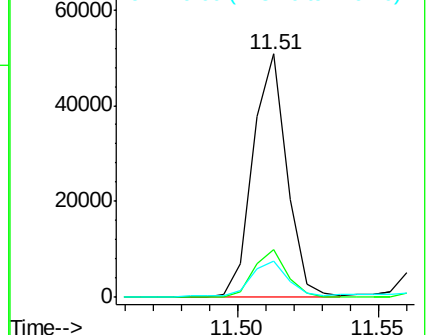
179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.757 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

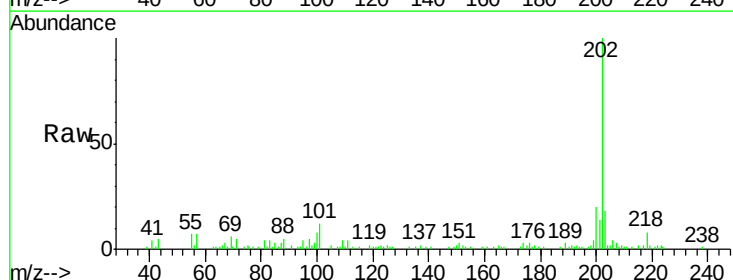
Tgt Ion:202 Resp: 32230

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

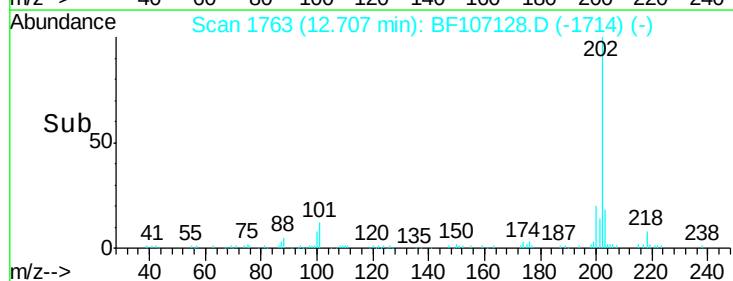
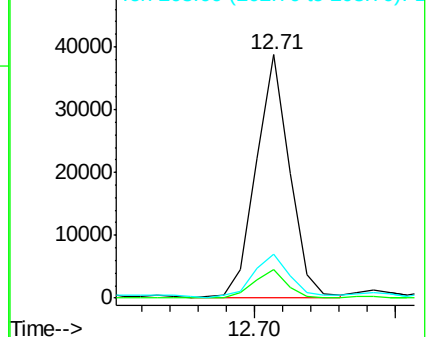
203 17.9 0.0 38.1

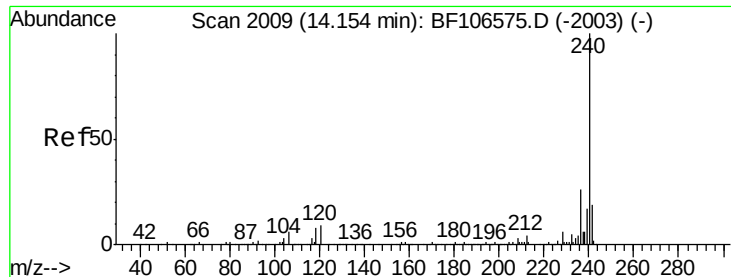


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2008

Delta R.T. -0.02 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

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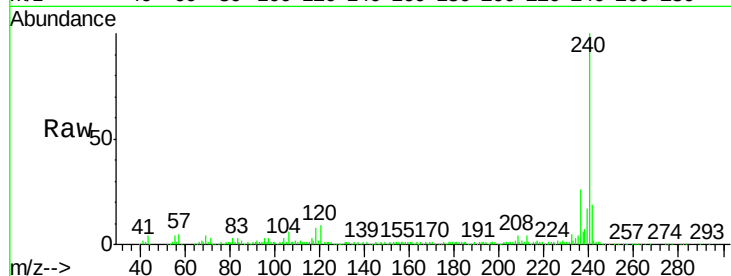
Tgt Ion:240 Resp: 151983

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

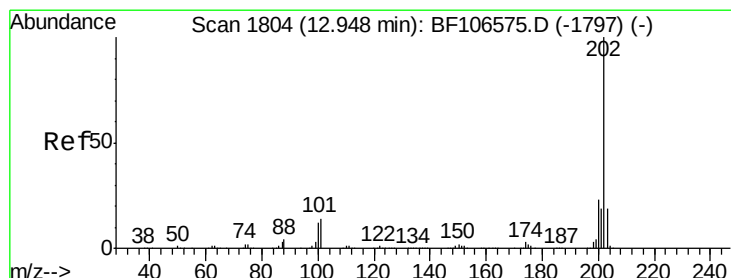
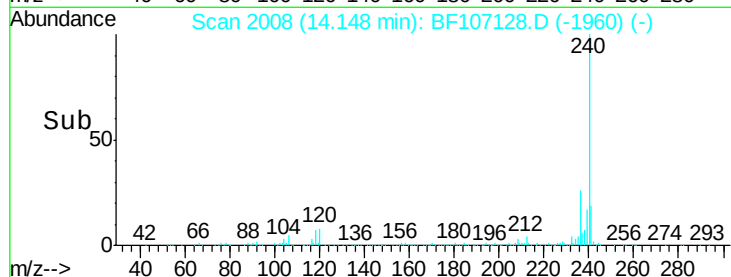
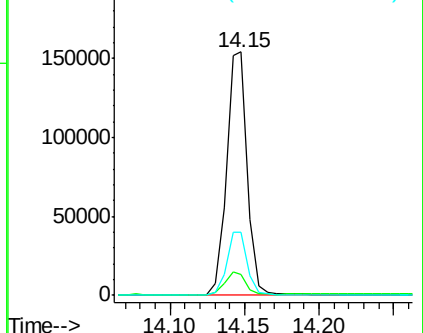
236 26.1 20.7 31.1



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

Pyrene

Concen: 2.630 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107128.D

Acq: 5 Jul 2018 15:51

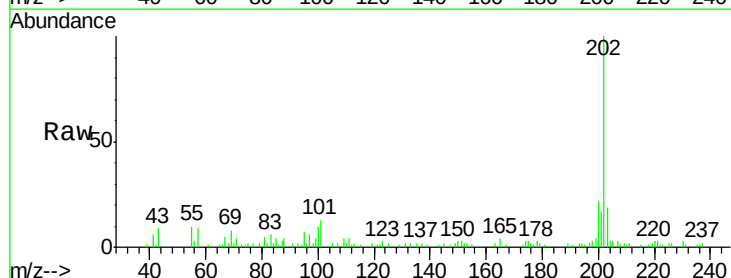
Tgt Ion:202 Resp: 26362

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

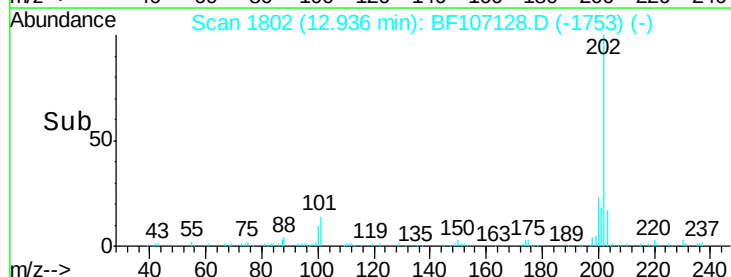
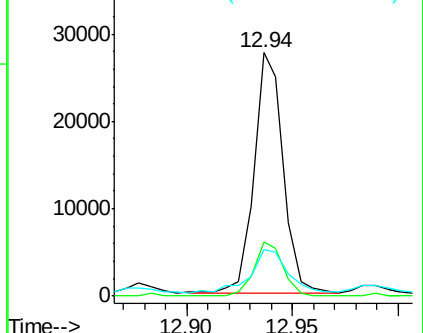
203 19.0 14.3 21.5

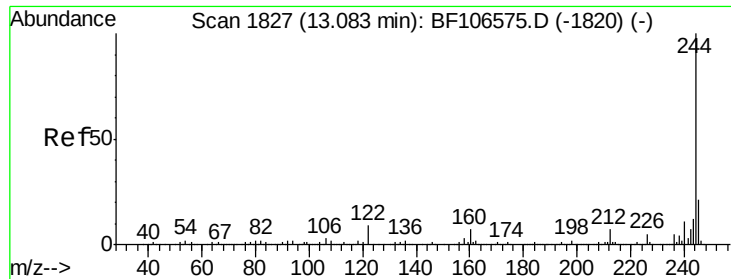


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

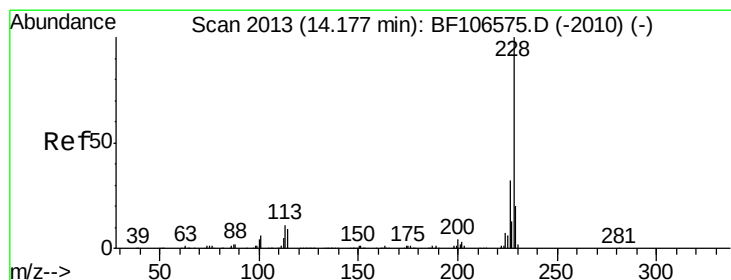
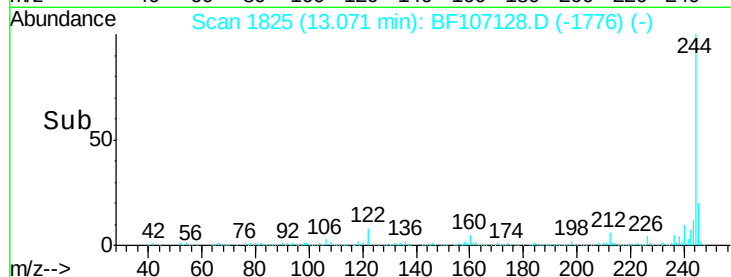
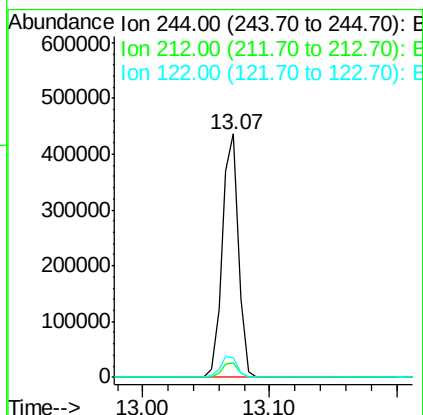
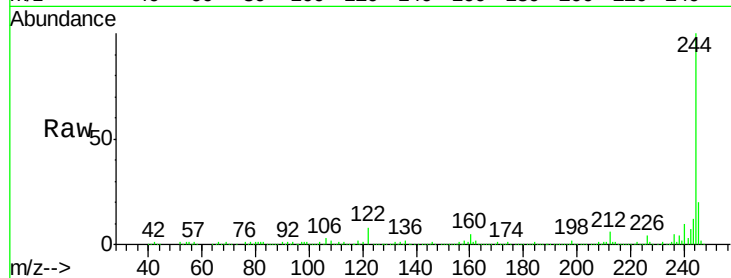




#78
 Terphenyl-d14
 Concen: 61.989 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

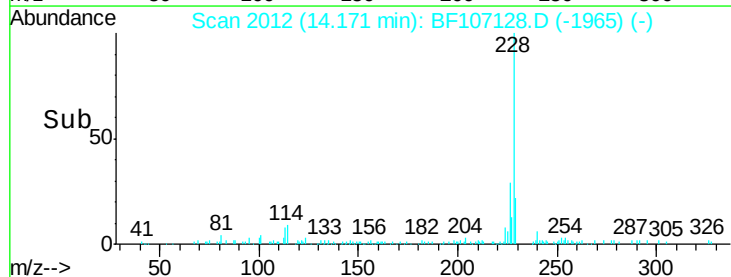
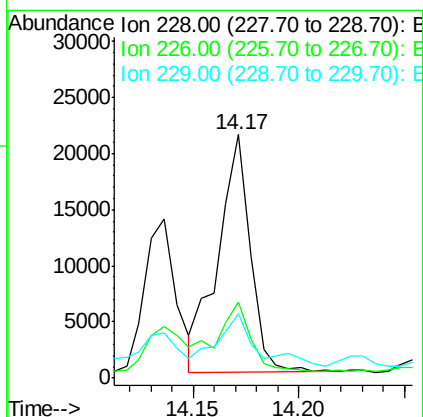
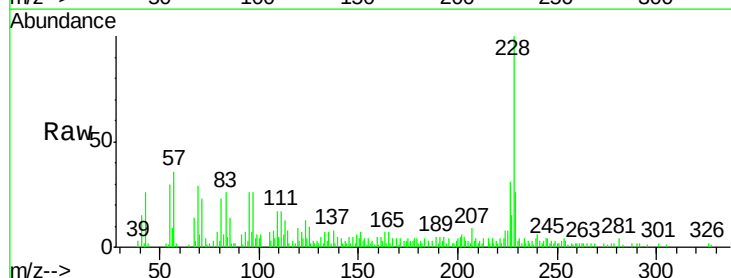
Instrument :
 BNA_F
 ClientSampleId :
 B-6

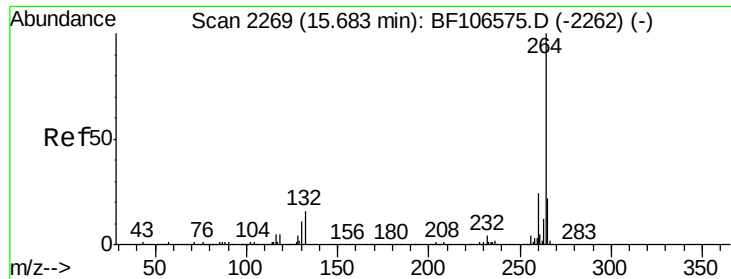
Tgt Ion:244 Resp: 388942
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 7.9 11.0 16.4#



#82
 Chrysene
 Concen: 2.614 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF107128.D
 Acq: 5 Jul 2018 15:51

Tgt Ion:228 Resp: 22278
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.0 37.6
 229 26.4 16.2 24.4#

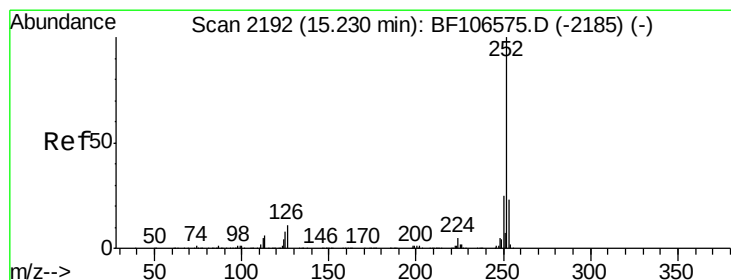
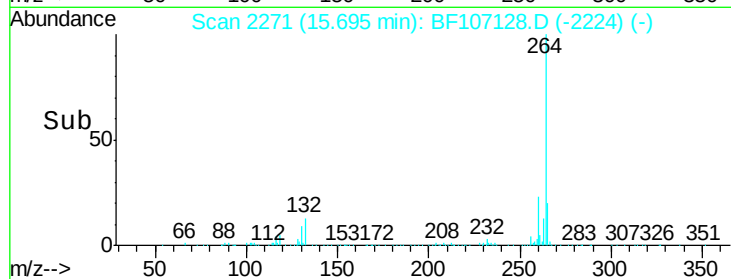
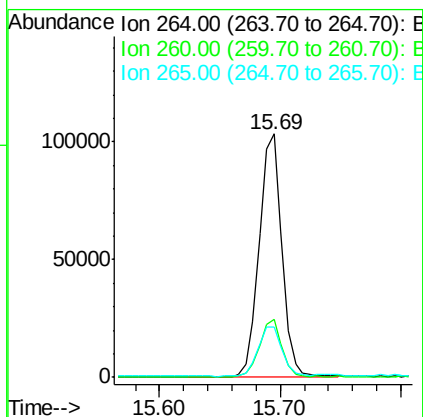
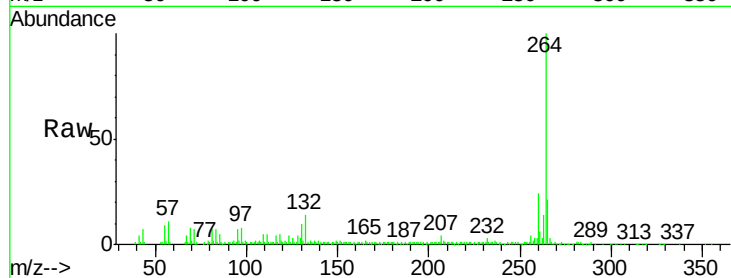




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

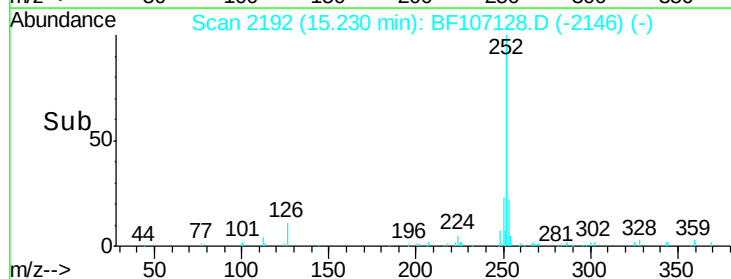
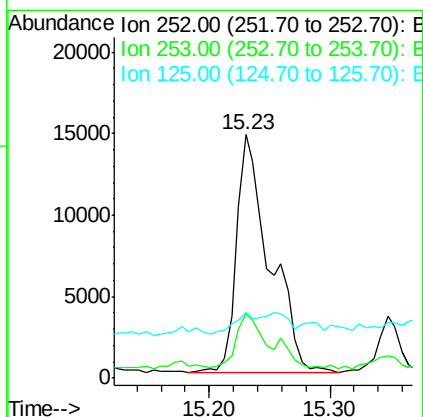
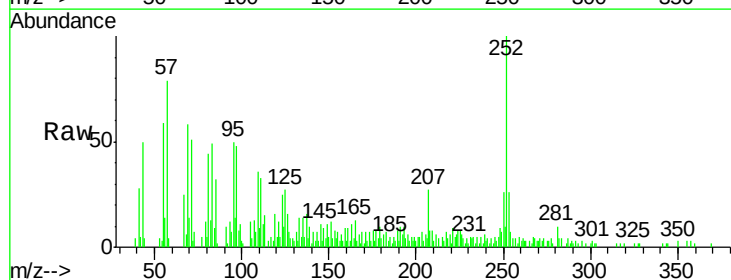
Instrument :
BNA_F
ClientSampleId :
B-6

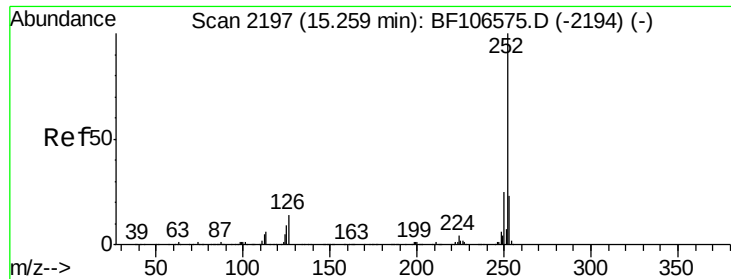
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.300 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107128.D
Acq: 5 Jul 2018 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.6#
125	27.0	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.466 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.06 min

Lab File: BF107128.D

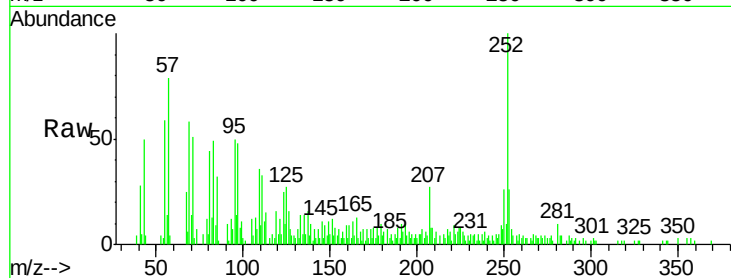
Acq: 5 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	252	Resp:	28001
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	27.0	10.2	15.2#

