

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107020.D
 Acq On : 30 Jun 2018 17:43
 Operator : JU/SJ
 Sample : J3629-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:06:27 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

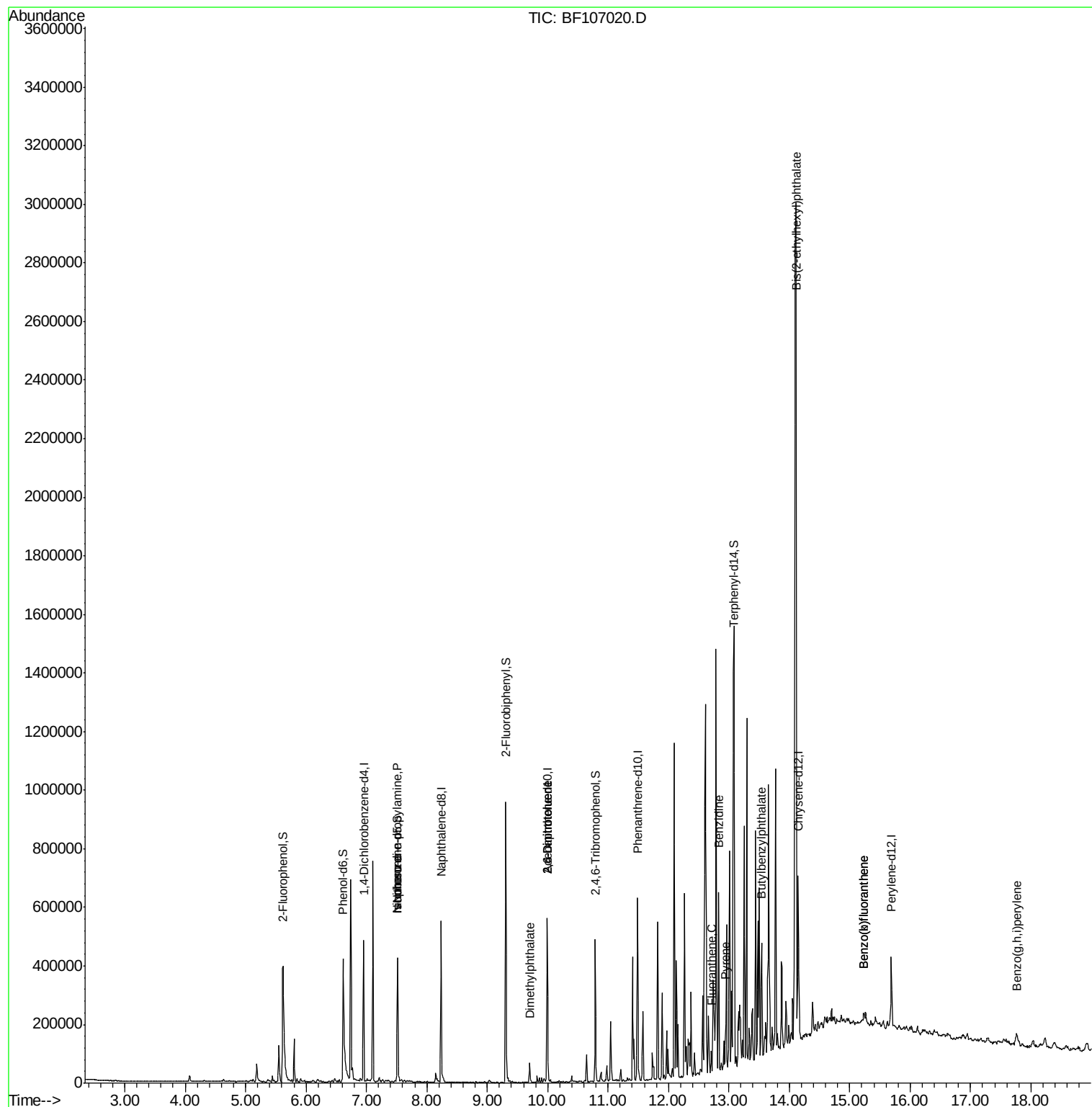
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70138	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	260576	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	115019	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	212632	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	197551	20.00	ng	-0.02
86) Perylene-d12	15.69	264	135878	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	224354	54.17	ng	0.02
7) Phenol-d6	6.61	99	266677	51.56	ng	0.00
23) Nitrobenzene-d5	7.51	82	150939	32.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	68015	51.02	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	299310	35.45	ng	-0.02
78) Terphenyl-d14	13.07	244	304906	37.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	20467	6.003	ng	# 73
25) Isophorone	7.51	82	150937	18.268	ng	# 64
49) Dimethylphthalate	9.70	163	29758	3.450	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	14002	7.665	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	14002	5.872	ng	# 21
74) Fluoranthene	12.71	202	31161	2.757	ng	# 97
76) Benzydine	12.83	184	15345	2.727	ng	# 81
77) Pyrene	12.94	202	41792	3.208	ng	# 98
79) Butylbenzylphthalate	13.54	149	45269	8.452	ng	# 88
83) Bis(2-ethylhexyl)phthalate	14.11	149	1625845	237.432	ng	# 96
87) Benzo(b)fluoranthene	15.23	252	24262	2.874	ng	# 77
88) Benzo(k)fluoranthene	15.23	252	24262	3.018	ng	# 80
91) Benzo(a,h,i)perylene	17.75	276	12615	2.030	ng	# 94

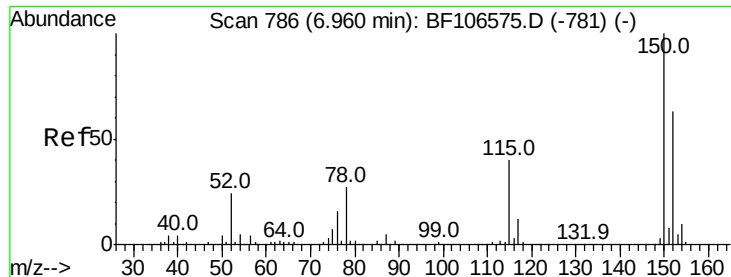
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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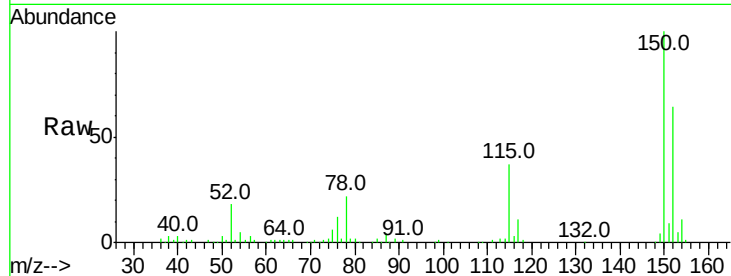


#1

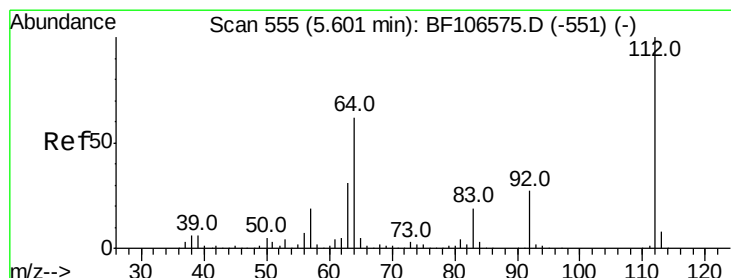
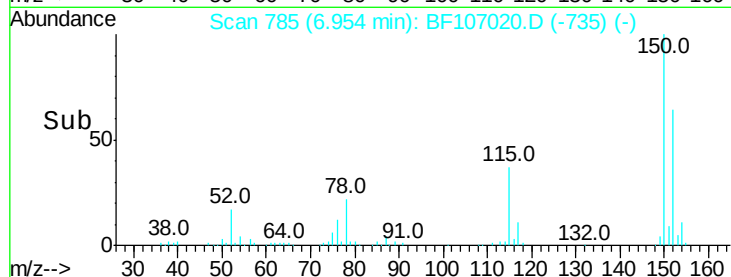
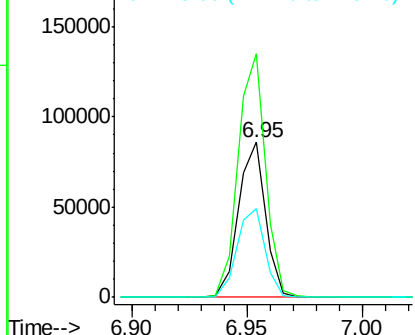
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70138
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 57.3 50.1 75.1



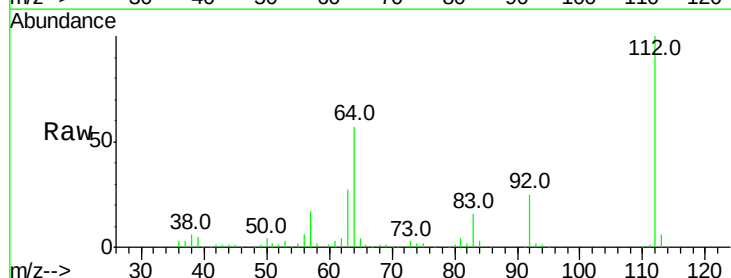
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



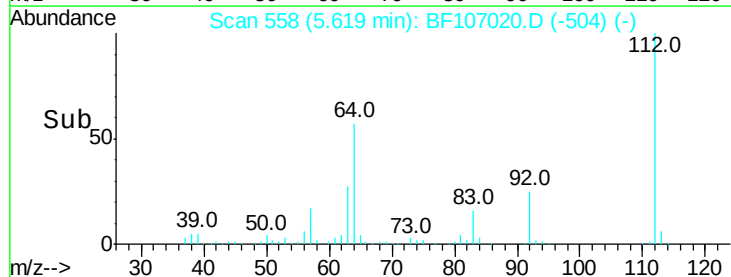
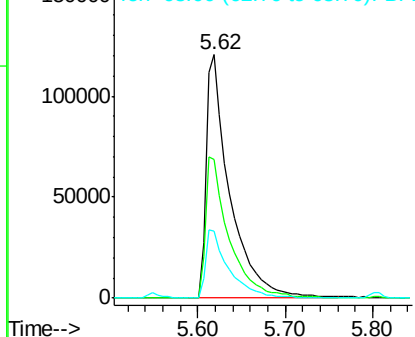
#5

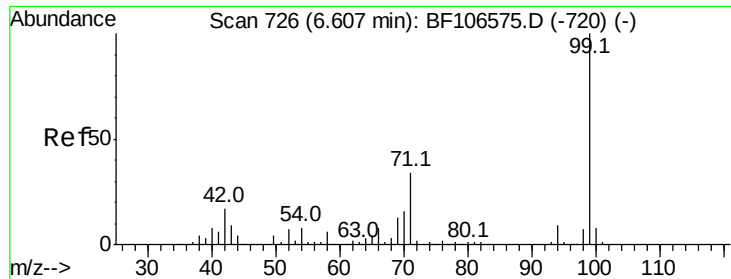
2-Fluorophenol
Concen: 54.165 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

Tgt Ion:112 Resp: 224354
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 27.3 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: 51.556 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

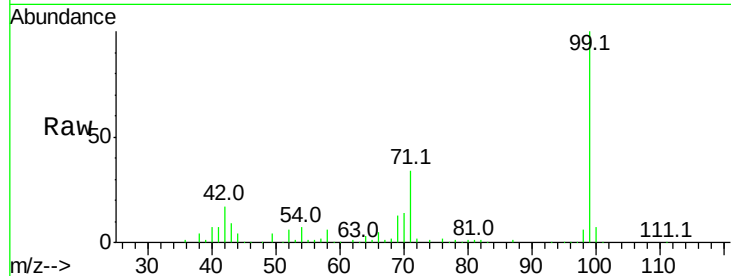
Tot Ion: 99 Resp: 266677

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

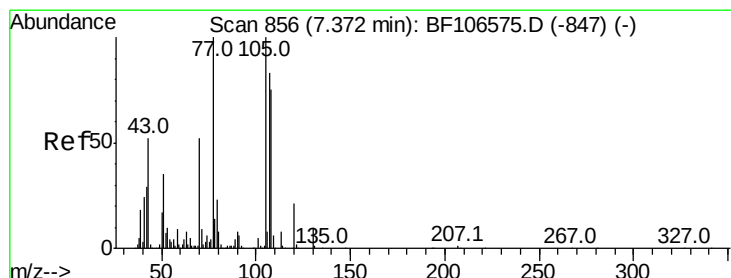
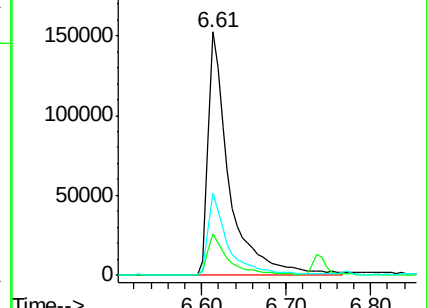
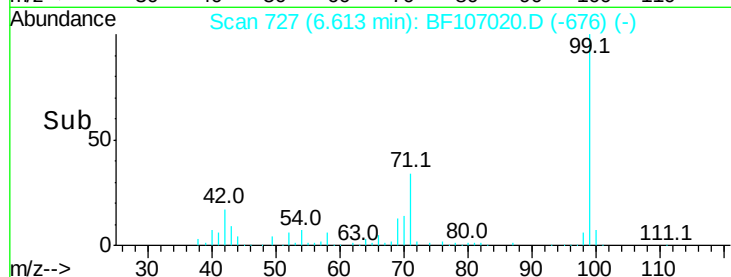
71 33.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.003 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Tgt Ion: 70 Resp: 20467

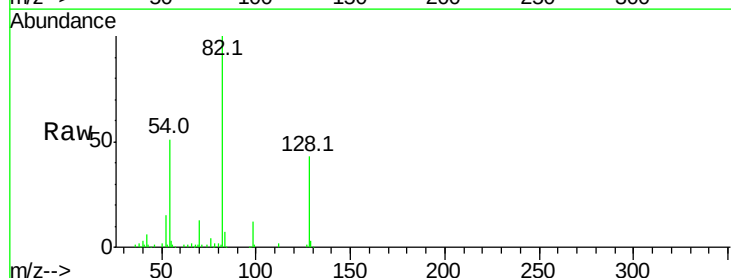
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

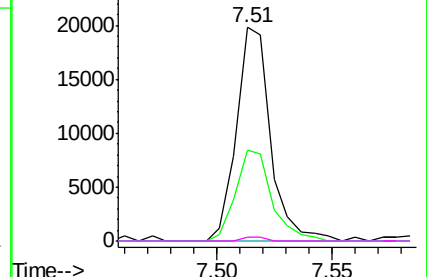
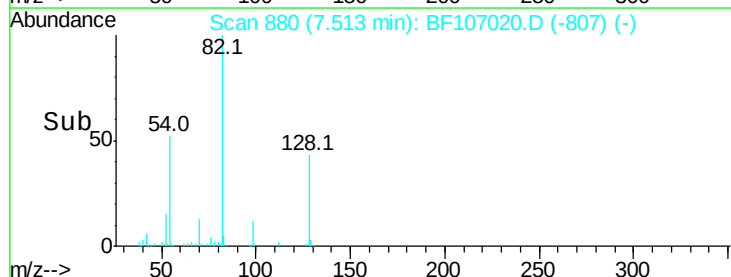


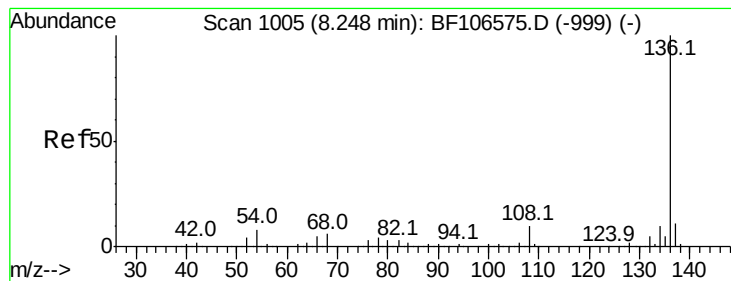
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260576

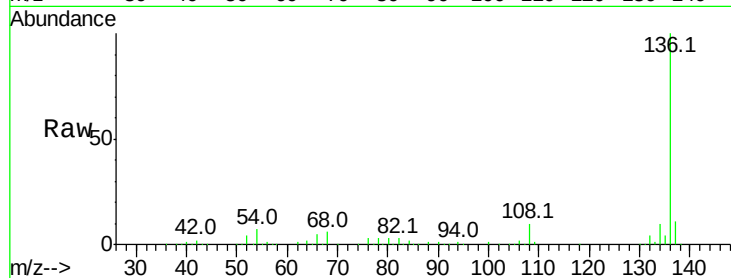
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.4 6.6 9.8

68 5.8 5.0 7.4

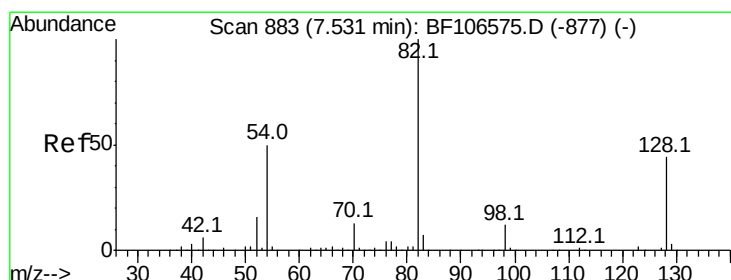
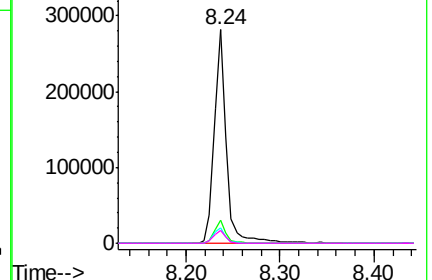
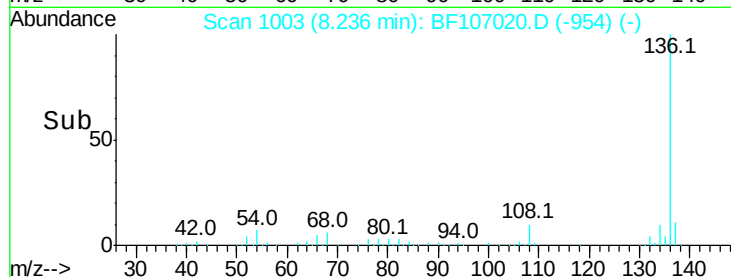


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.191 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

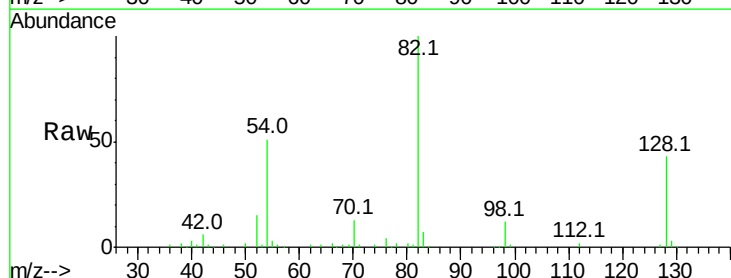
Tgt Ion: 82 Resp: 150939

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

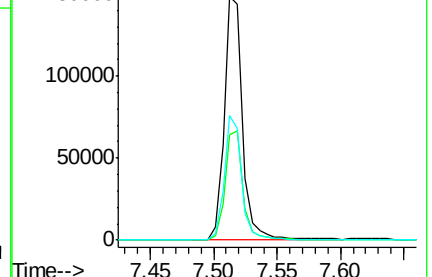
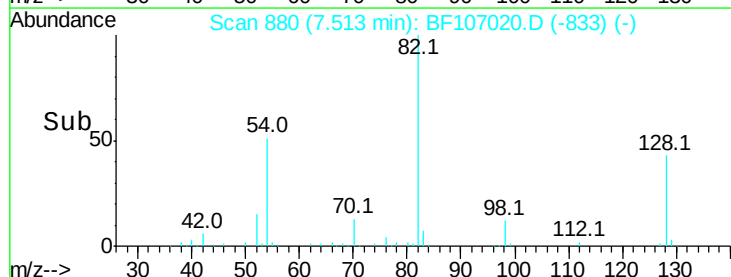
54 51.3 41.4 62.2

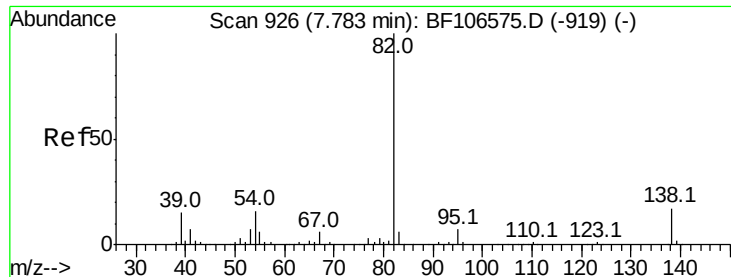


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

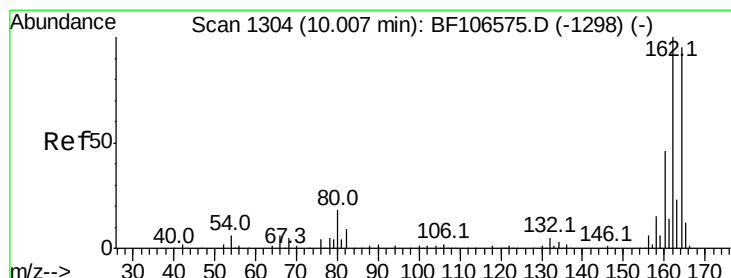
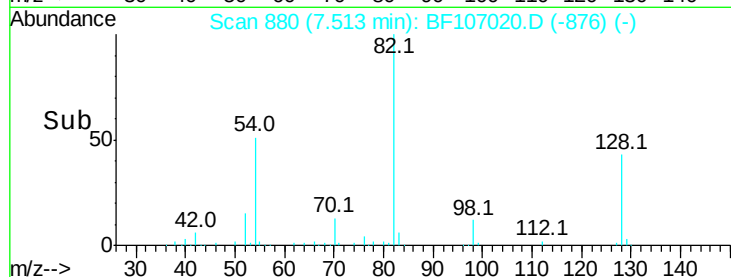
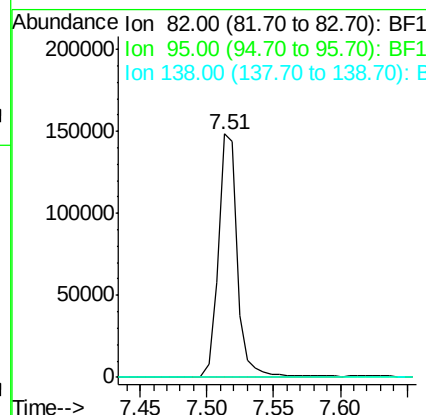
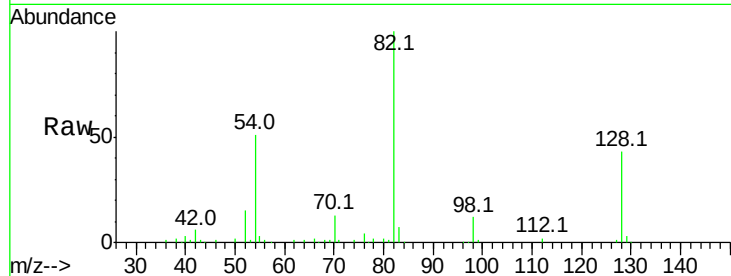




#25
Isophorone
Concen: 18.268 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

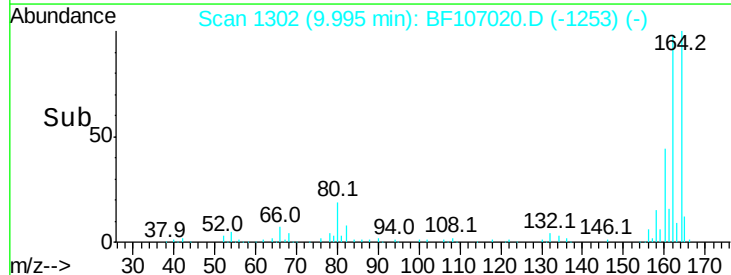
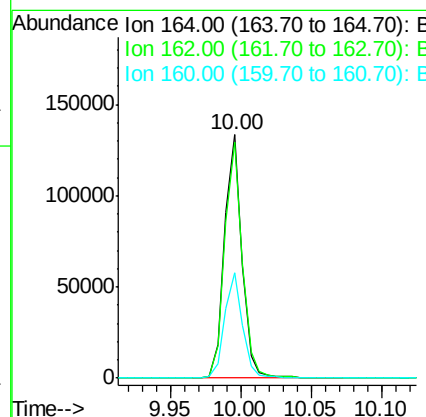
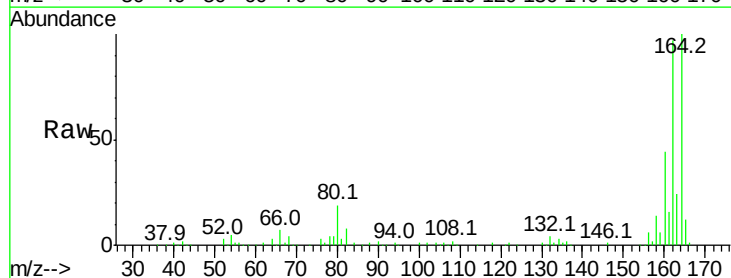
Instrument :
BNA_F
ClientSampled :

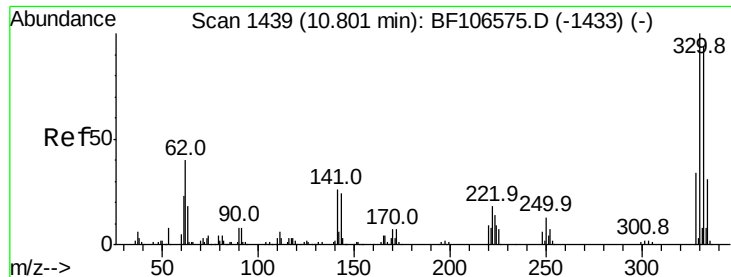
Tot Ion: 82 Resp: 150937
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

Tgt Ion:164 Resp: 115019
Ion Ratio Lower Upper
164 100
162 96.9 86.1 129.1
160 43.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 51.020 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107020.D

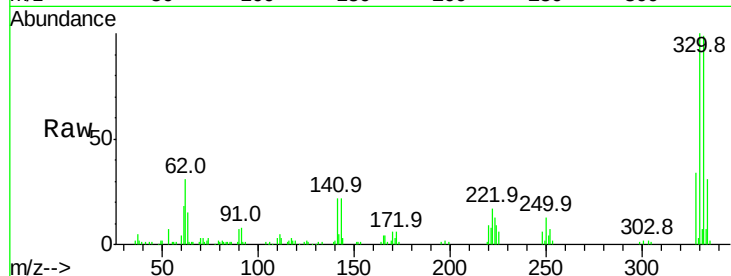
Acq: 30 Jun 2018 17:43

Instrument :

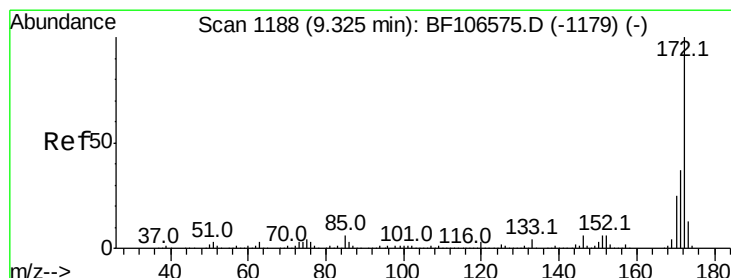
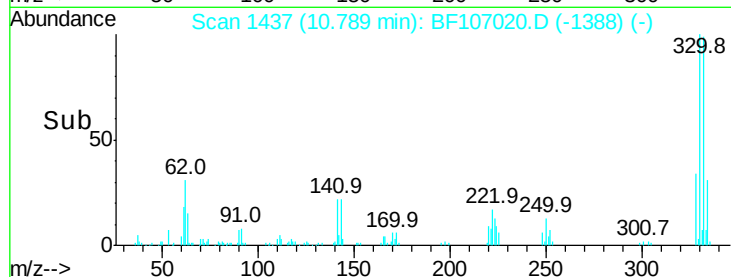
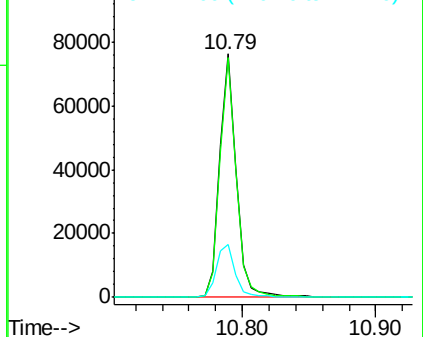
BNA_F

ClientSampled :

Tot Ion:	330	Resp:	68015
Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	24.0	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



#44

2-Fluorobiphenyl

Concen: 35.447 ng

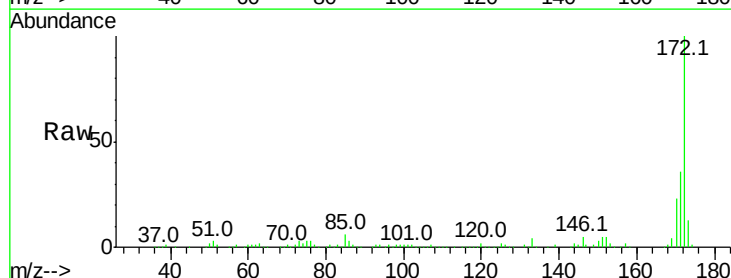
RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

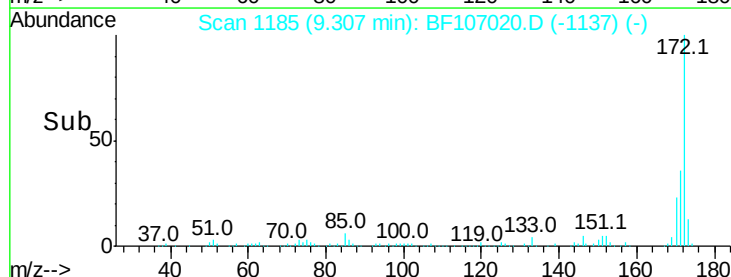
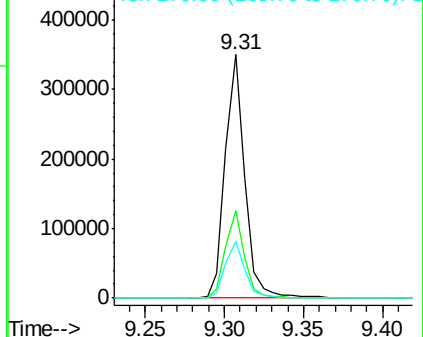
Lab File: BF107020.D

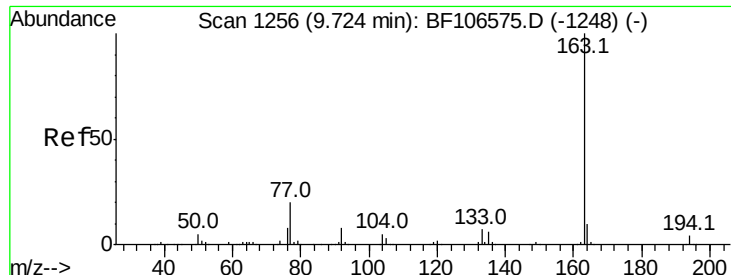
Acq: 30 Jun 2018 17:43

Tgt Ion:	172	Resp:	299310
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.1	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: 3.450 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

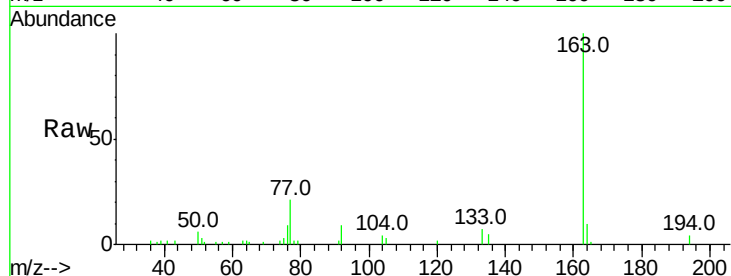
Tot Ion:163 Resp: 29758

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

164 10.3 8.2 12.2

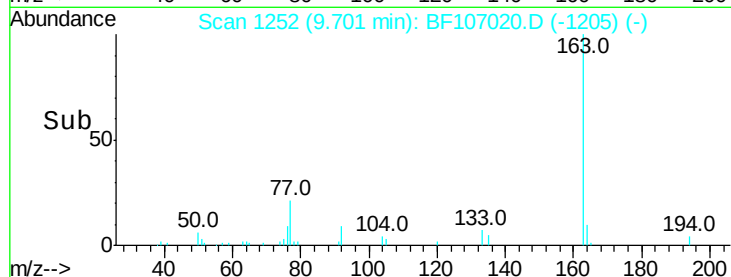


Abundance Ion 163.00 (162.70 to 163.70): E

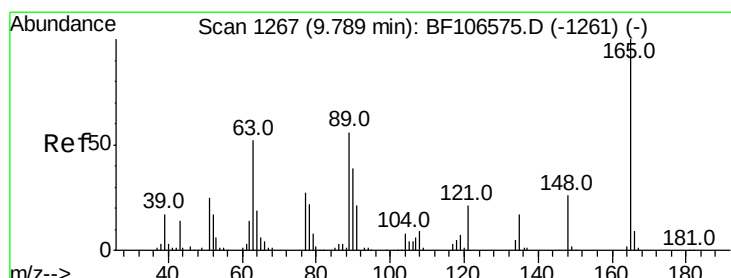
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#50

2,6-Dinitrotoluene

Concen: 7.665 ng

RT: 10.00 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

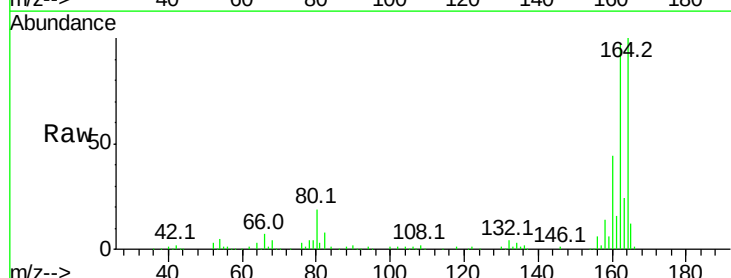
Tgt Ion:165 Resp: 14002

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

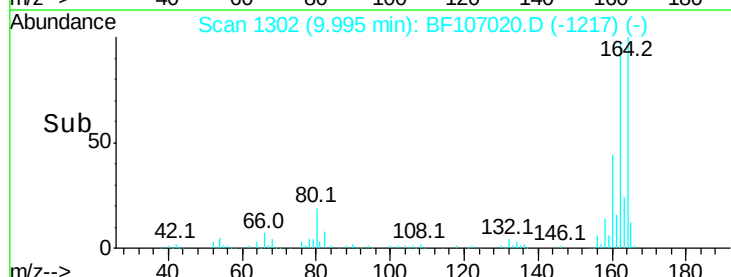


Abundance Ion 165.00 (164.70 to 165.70): E

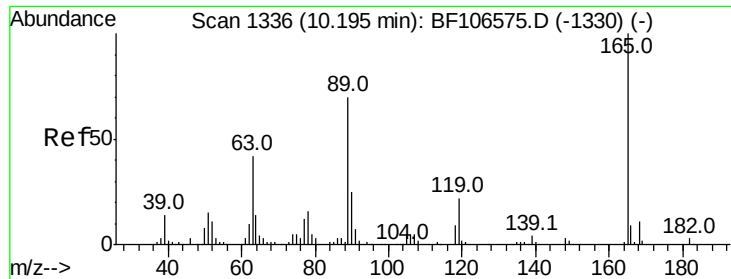
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



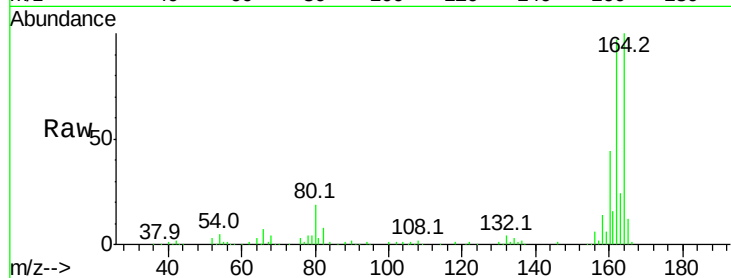
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 5.872 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107020.D
 Acq: 30 Jun 2018 17:43

Instrument :
 BNA_F
 ClientSampled :

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#

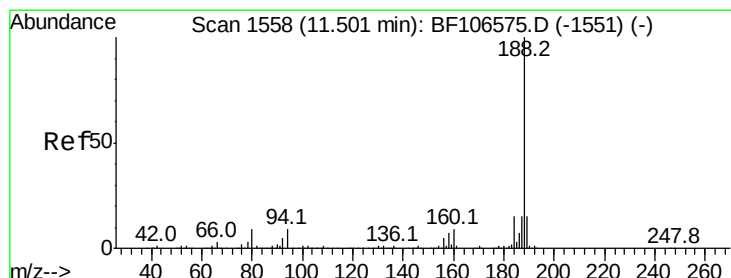
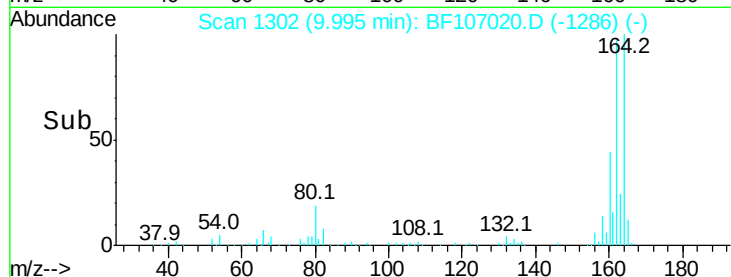
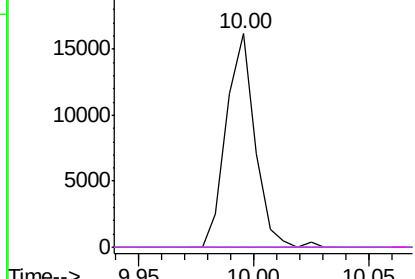


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

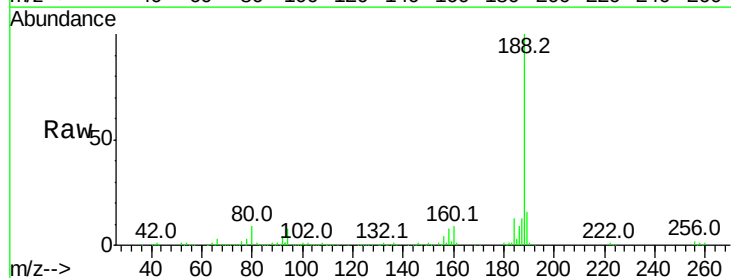
Ion 89.00 (88.70 to 89.70): BF1

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: BF107020.D
 Acq: 30 Jun 2018 17:43

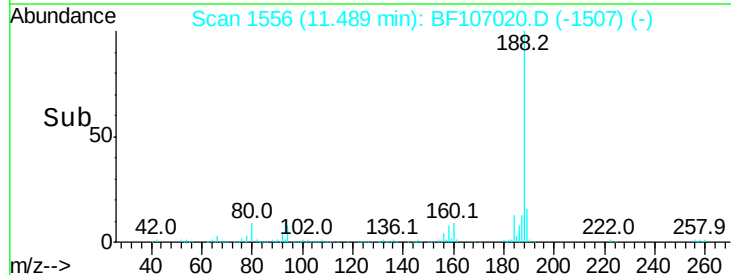
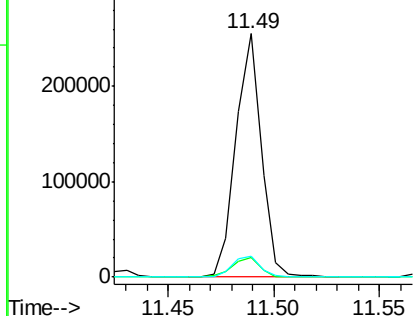
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.6	9.2	13.8#

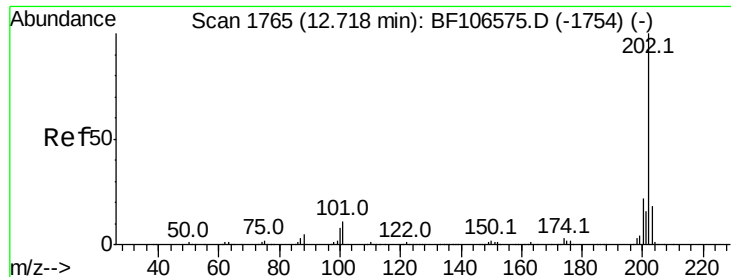


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 2.757 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

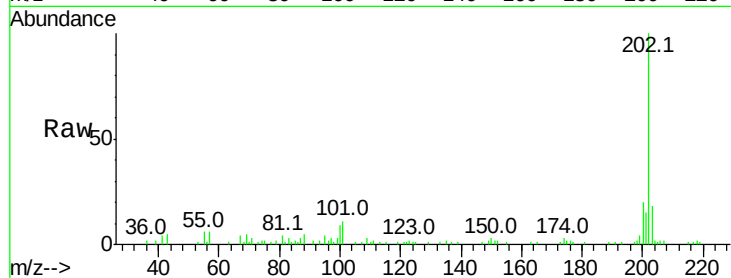
Tot Ion:202 Resp: 31161

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

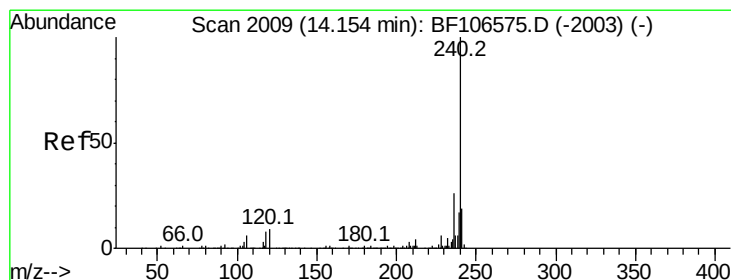
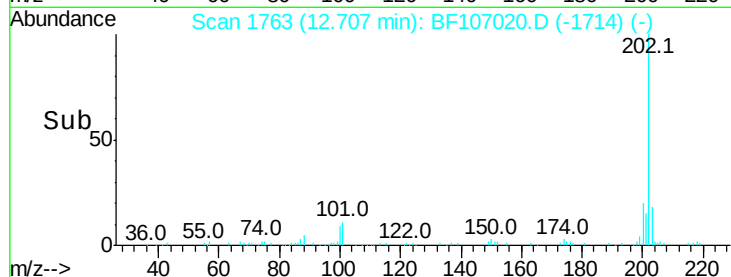
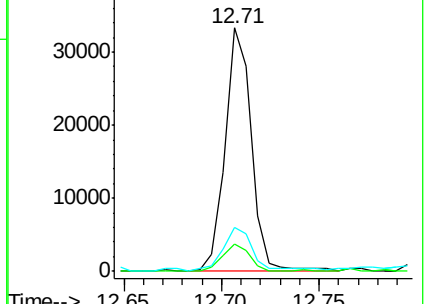
203 18.2 0.0 38.1



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: BF107020.D

Acq: 30 Jun 2018 17:43

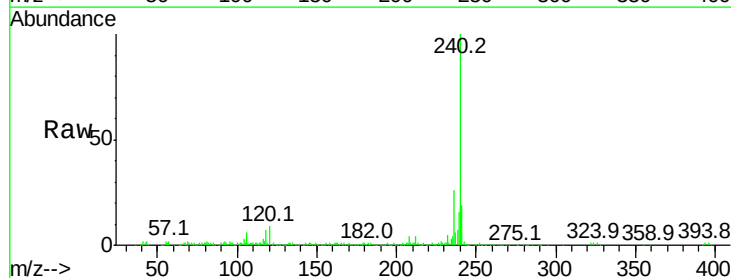
Tgt Ion:240 Resp: 197551

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

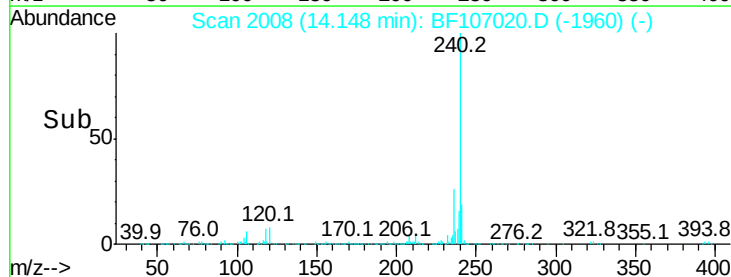
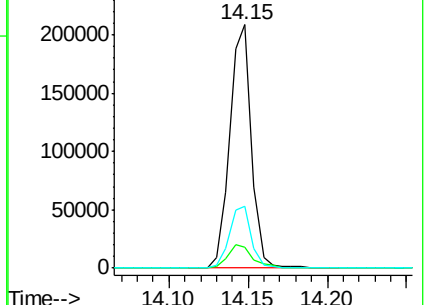
236 25.6 20.7 31.1

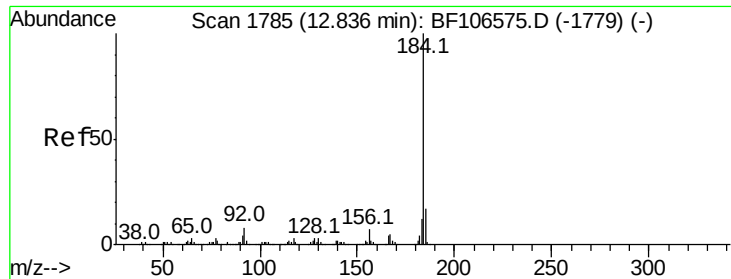


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.727 ng

RT: 12.83 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

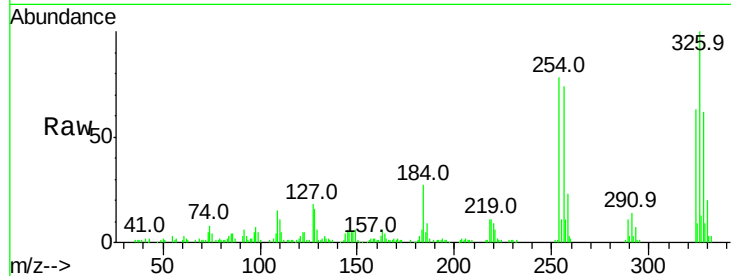
Tot Ion:184 Resp: 15345

Ion Ratio Lower Upper

184 100

185 19.9 12.6 18.8#

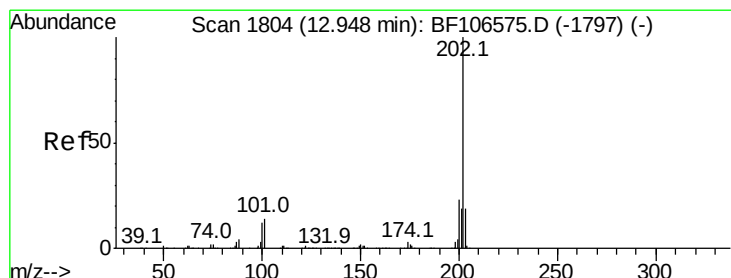
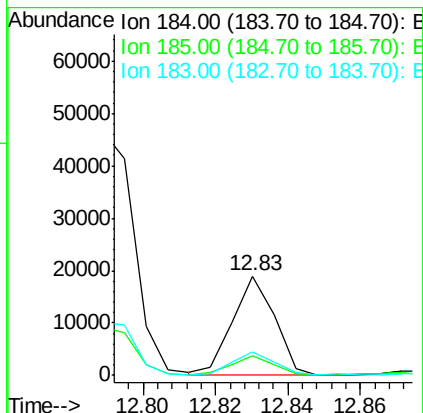
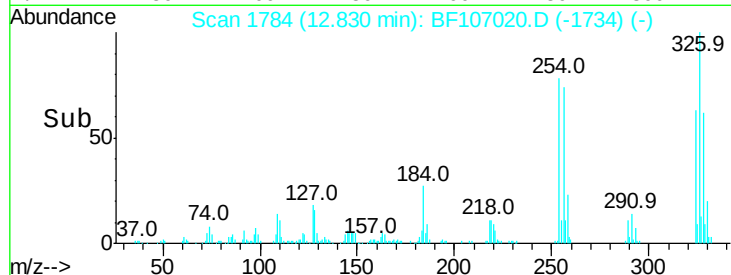
183 23.7 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 3.208 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

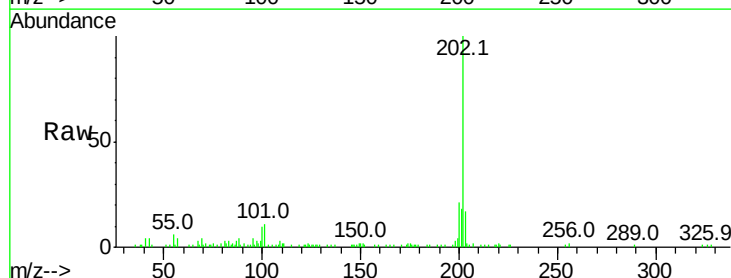
Tgt Ion:202 Resp: 41792

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

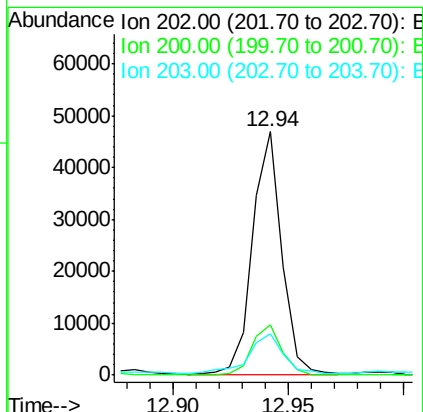
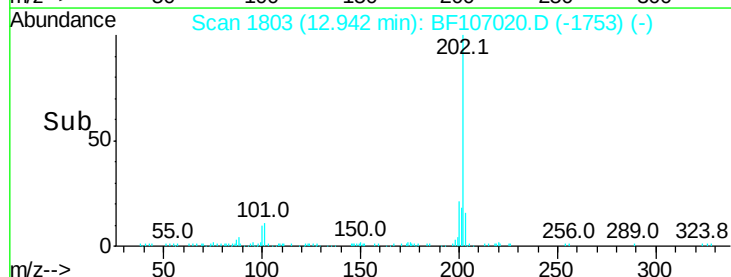
203 16.9 14.3 21.5

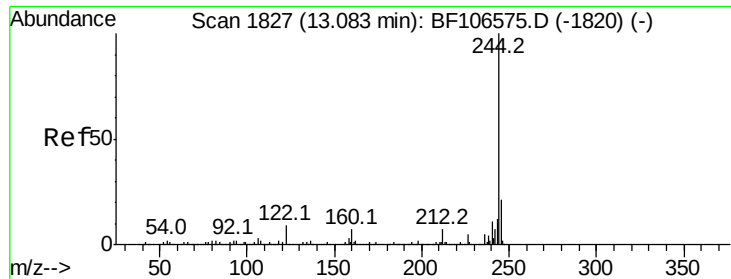


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

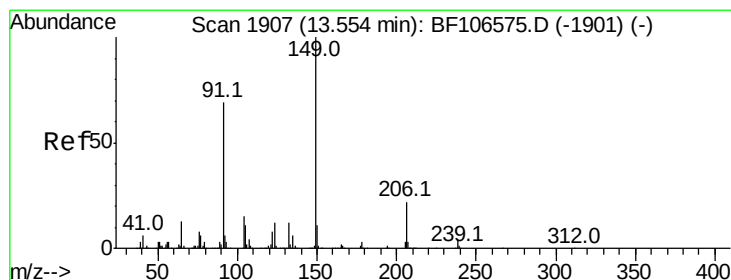
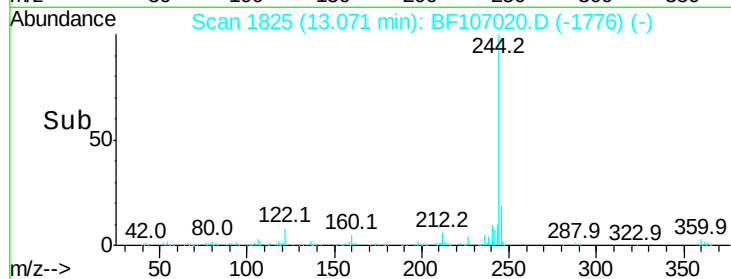
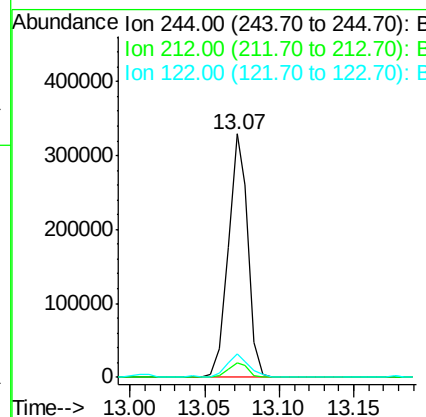
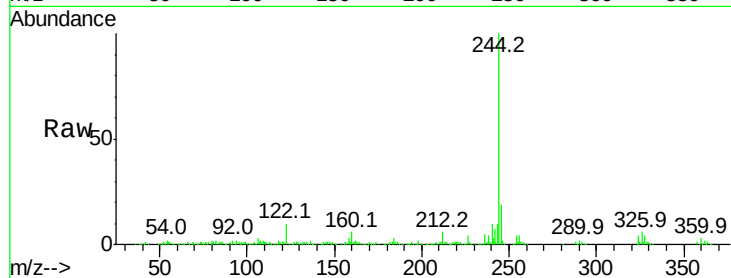




#78
 Terphenyl-d14
 Concen: 37.386 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107020.D
 Acq: 30 Jun 2018 17:43

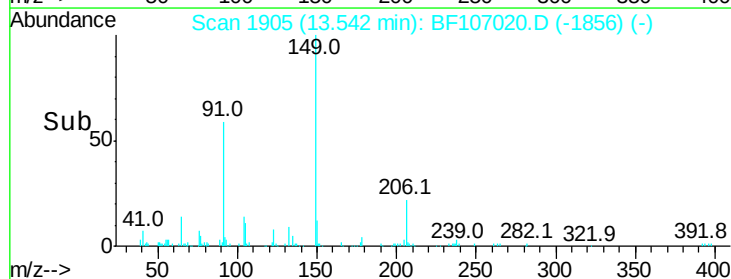
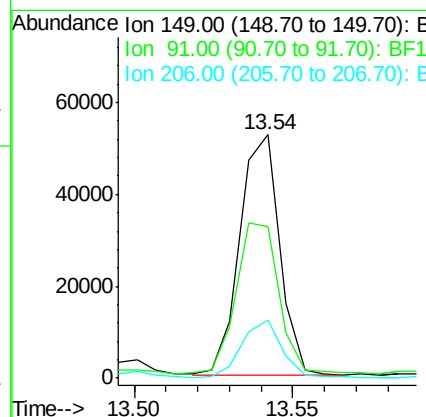
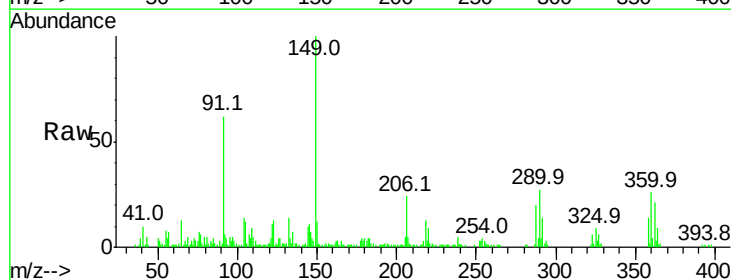
Instrument :
 BNA_F
 ClientSampleId :

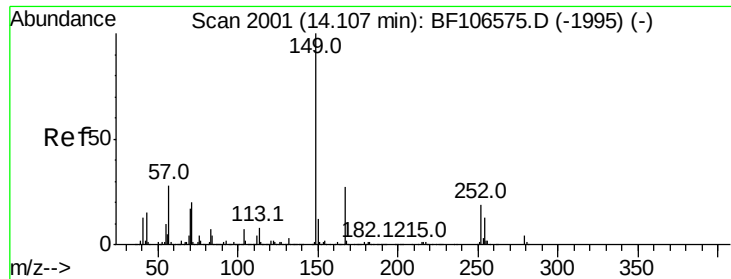
Tot Ion:244 Resp: 304906
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.7 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 8.452 ng
 RT: 13.54 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF107020.D
 Acq: 30 Jun 2018 17:43

Tgt Ion:149 Resp: 45269
 Ion Ratio Lower Upper
 149 100
 91 62.0 56.8 85.2
 206 24.1 14.1 21.1#

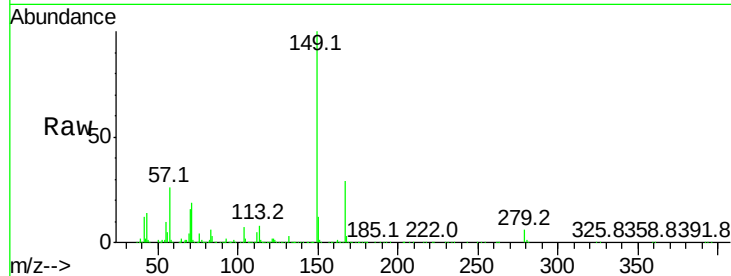




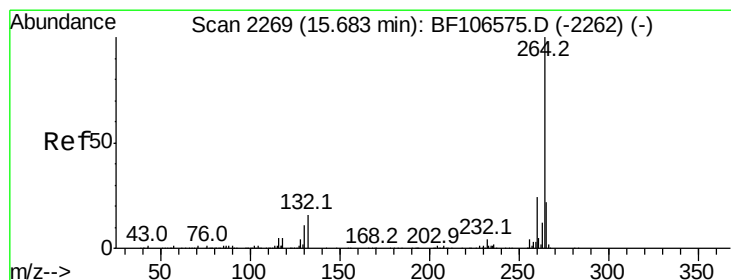
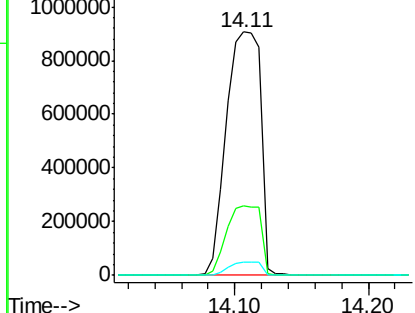
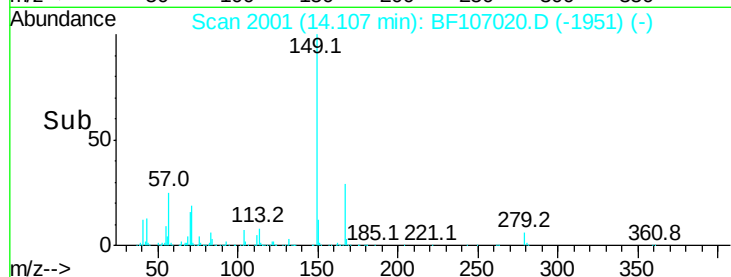
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 237.432 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF107020.D
 Acq: 30 Jun 2018 17:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:149 Resp: 1625845
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.3 31.9
 279 5.6 3.0 4.4#

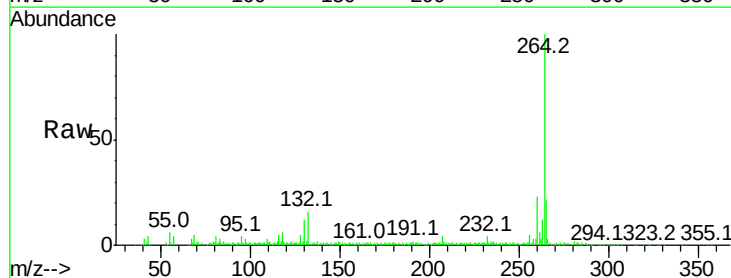


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

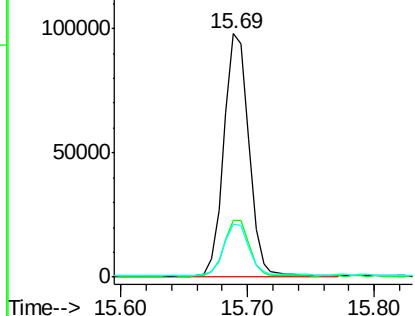
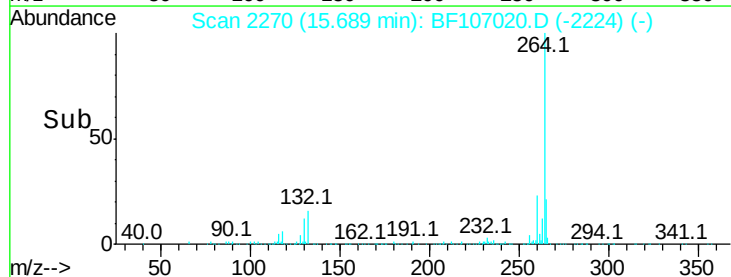


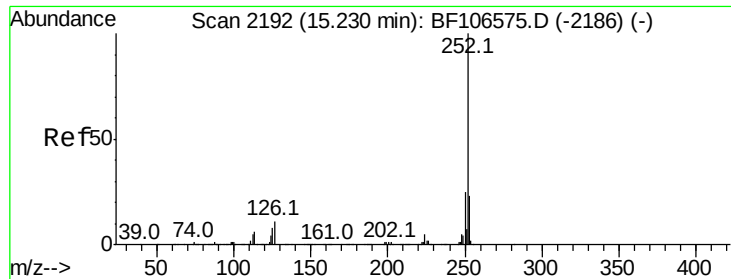
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107020.D
 Acq: 30 Jun 2018 17:43

Tgt Ion:264 Resp: 135878
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.5 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

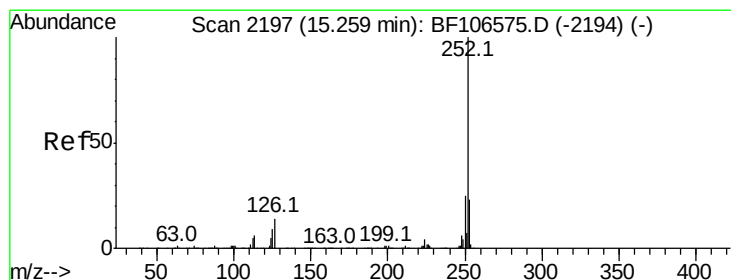
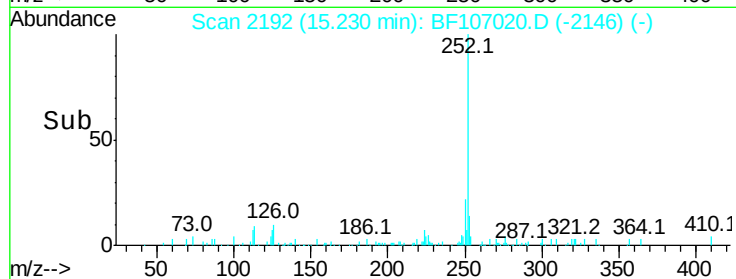
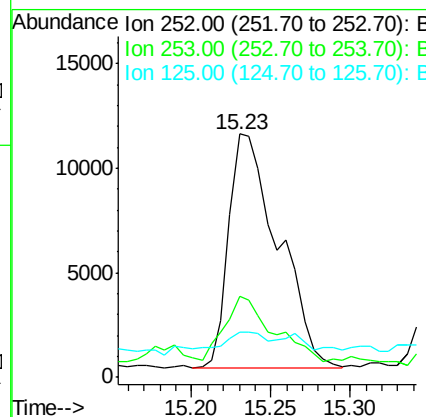
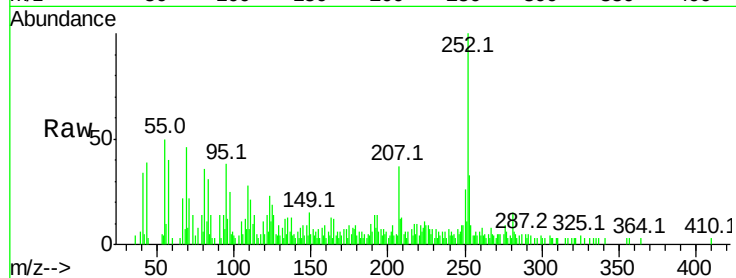




#87
Benzo(b)fluoranthene
Concen: 2.874 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

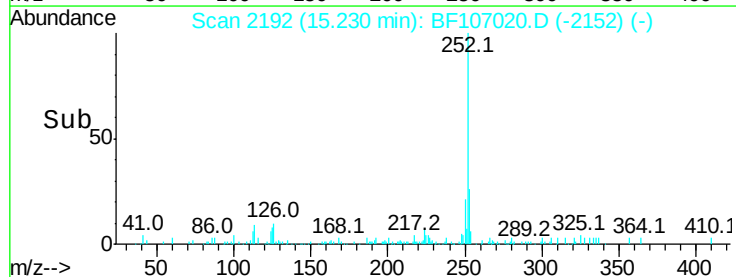
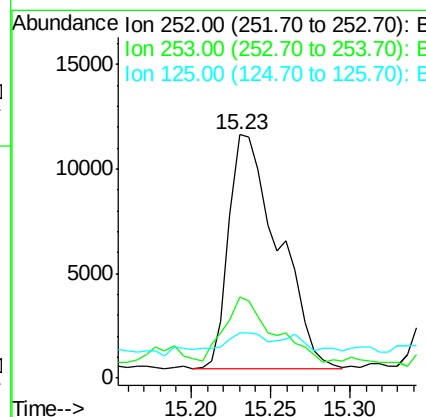
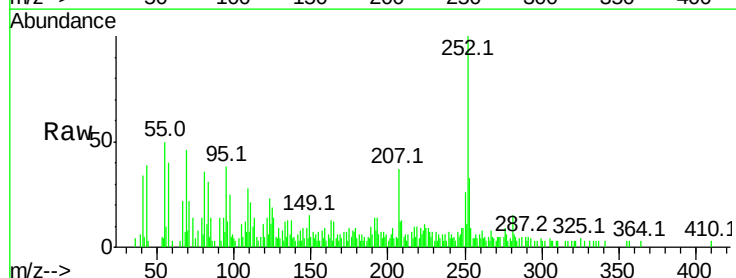
Instrument :
BNA_F
ClientSampleId :

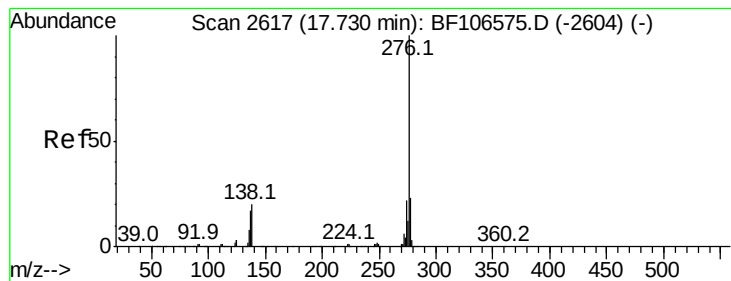
Tot Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.0	25.6#
125	18.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.018 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107020.D
Acq: 30 Jun 2018 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.9	26.9#
125	18.7	10.2	15.2#





#91

Benzo(a,h,i)perylene

Concen: 2.030 ng

RT: 17.75 min Scan# 2621

Delta R.T. -0.04 min

Lab File: BF107020.D

Acq: 30 Jun 2018 17:43

Instrument :

BNA_F

ClientSampleId :

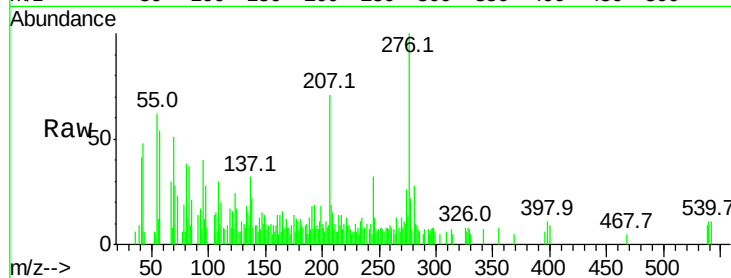
Tot Ion:276 Resp: 12615

Ion Ratio Lower Upper

276 100

277 22.1 17.9 26.9

138 21.7 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

