

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107092.D
 Acq On : 3 Jul 2018 19:51
 Operator : JU/SJ
 Sample : J3245-17 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

Quant Time: Jul 03 22:48:35 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	48818	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	172122	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	76329	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	159418	20.00	ng	0.00
75) Chrysene-d12	14.15	240	135533	20.00	ng	-0.02
86) Perylene-d12	15.69	264	100435	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	157697	54.70	ng	0.00
7) Phenol-d6	6.60	99	183665	51.01	ng	-0.01
23) Nitrobenzene-d5	7.52	82	98603	31.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	47426	53.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	201956	36.34	ng	-0.01
78) Terphenyl-d14	13.08	244	268923	48.06	ng	0.00

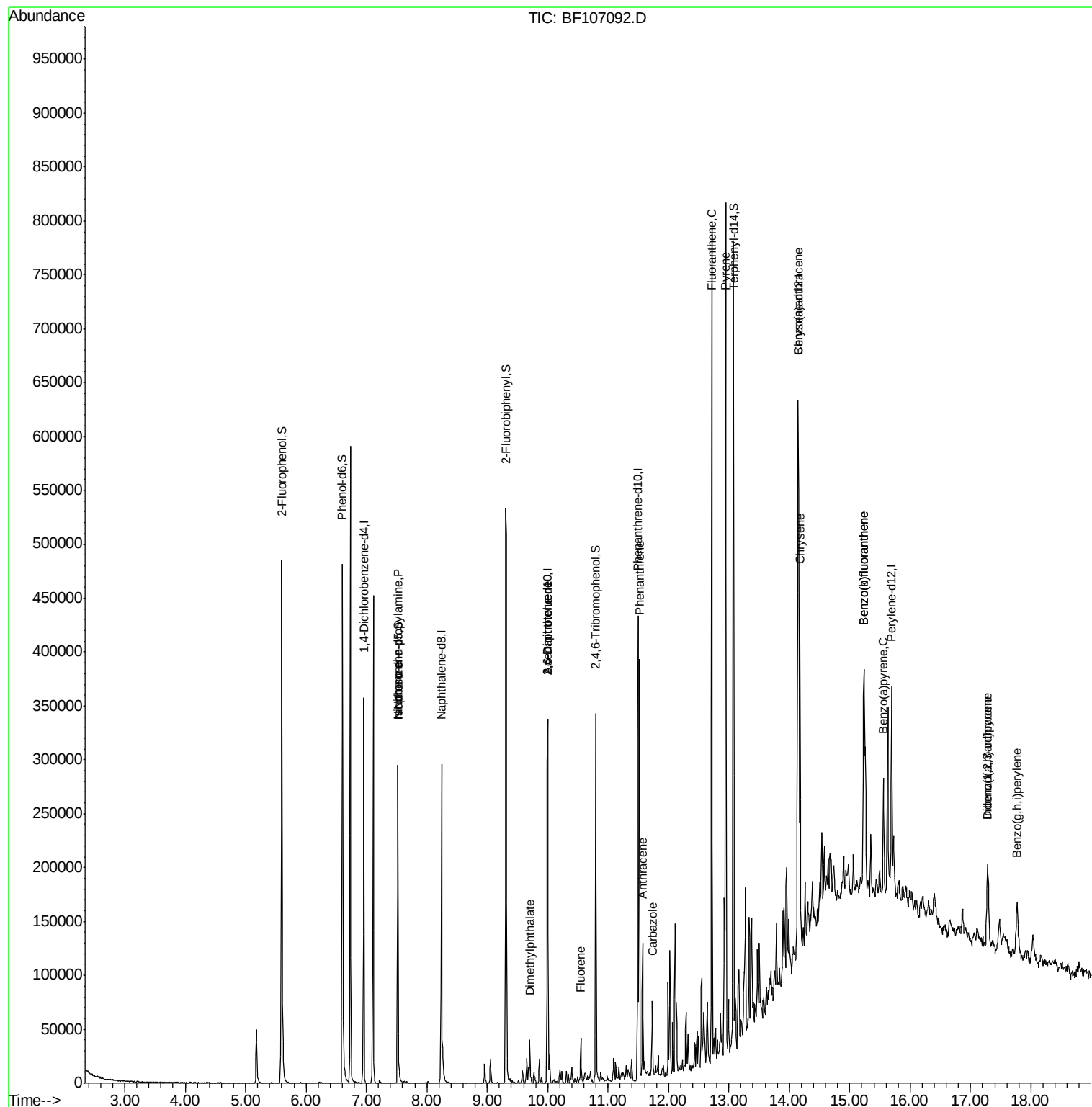
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.52	70	12259	5.166	ng	# 76
25) Isophorone	7.52	82	98602	18.067	ng	# 64
49) Dimethylphthalate	9.71	163	20350	3.555	ng	# 97
50) 2,6-Dinitrotoluene	10.00	165	9746	8.040	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	9746	6.159	ng	# 21
57) Fluorene	10.55	166	14501	2.803	ng	# 91
70) Phenanthrene	11.52	178	142557	18.540	ng	97
71) Anthracene	11.57	178	47699	6.078	ng	97
72) Carbazole	11.73	167	26868	3.657	ng	99
74) Fluoranthene	12.72	202	339746	40.089	ng	94
77) Pyrene	12.95	202	312943	35.015	ng	99
80) Benzo(a)anthracene	14.14	228	150958	18.275	ng	98
82) Chrysene	14.18	228	130679	17.196	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	51013	7.910	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	177788	28.496	ng	96
88) Benzo(k)fluoranthene	15.24	252	177788	29.924	ng	# 96
89) Benzo(a)pyrene	15.56	252	58567	10.560	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	15903	3.383	ng	# 89
91) Benzo(a,h,i)perylene	17.77	276	45867	9.983	ng	# 90

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

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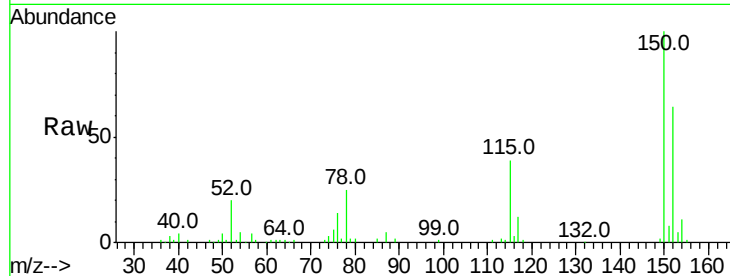


#1

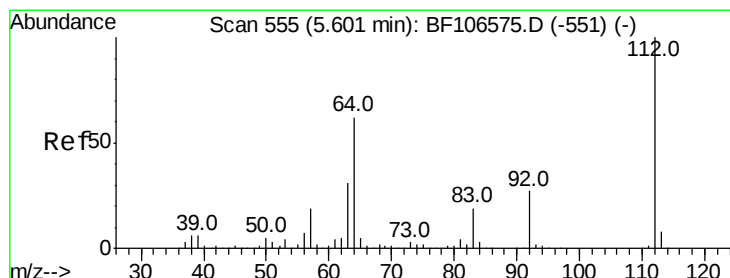
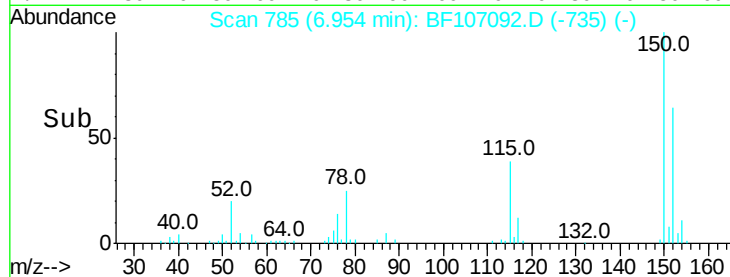
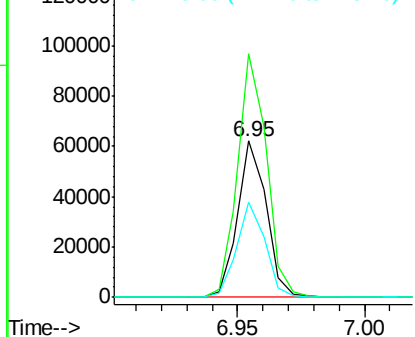
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion:152 Resp: 48818
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 60.9 50.1 75.1



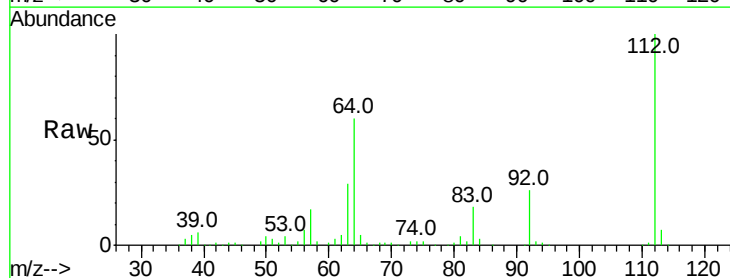
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



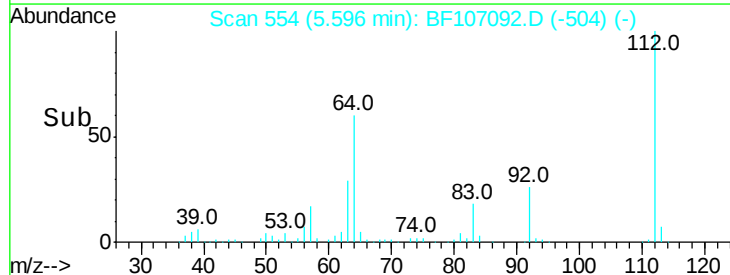
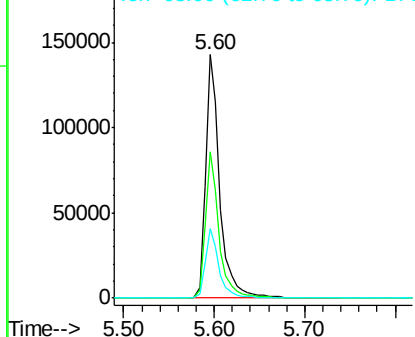
#5

2-Fluorophenol
Concen: 54.699 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion:112 Resp: 157697
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 28.6 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: 51.014 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062918-A

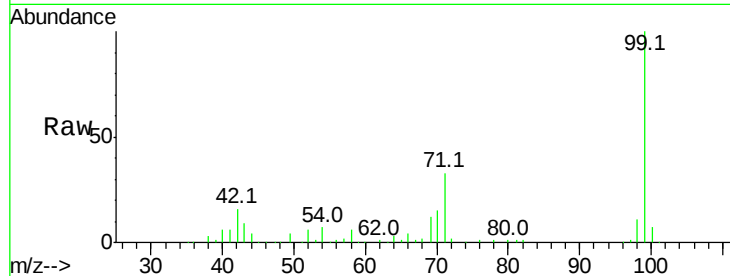
Tot Ion: 99 Resp: 183665

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

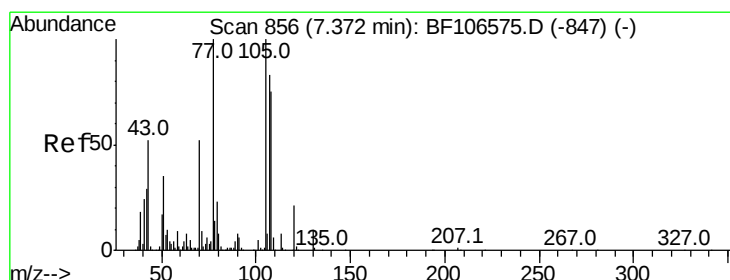
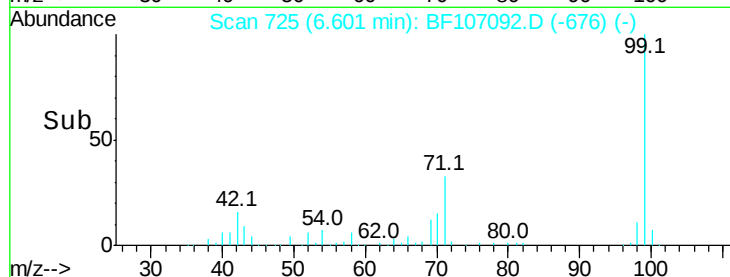
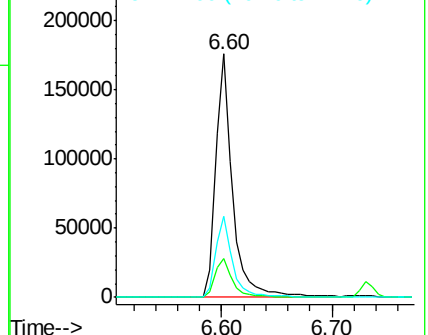
71 33.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.166 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Tgt Ion: 70 Resp: 12259

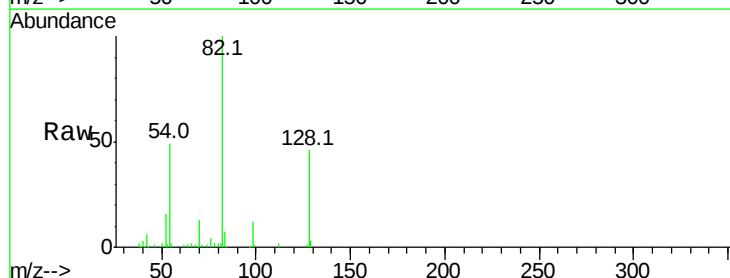
Ion Ratio Lower Upper

70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

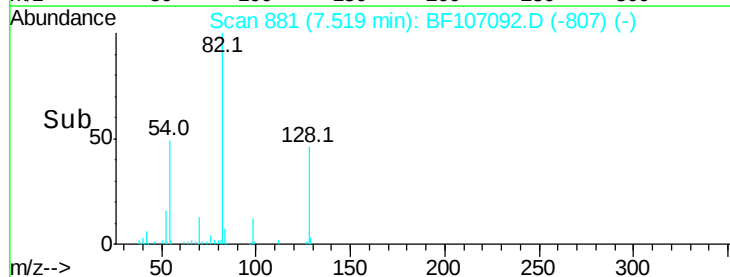
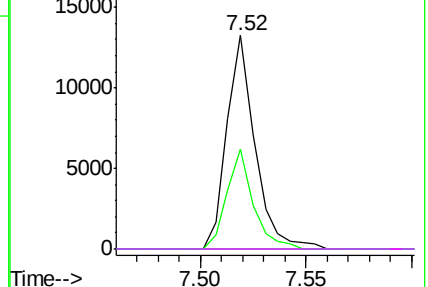


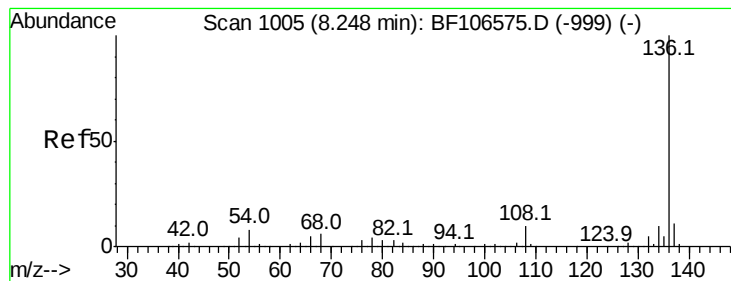
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062918-A

Tot Ion:136 Resp: 172122

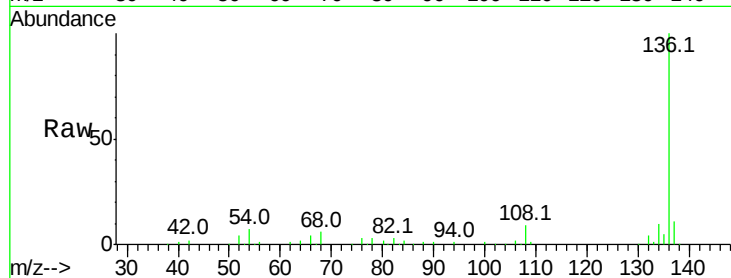
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.1 6.6 9.8

68 5.5 5.0 7.4

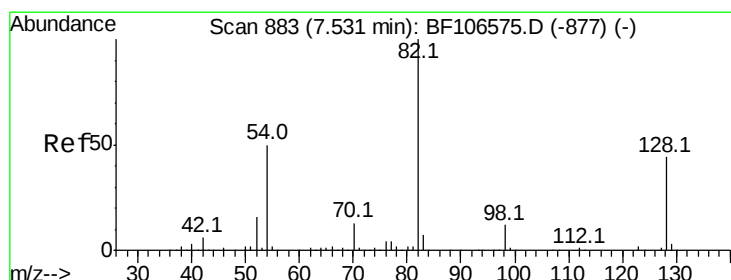
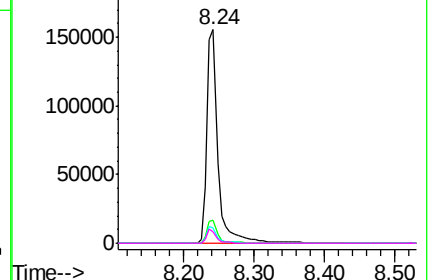
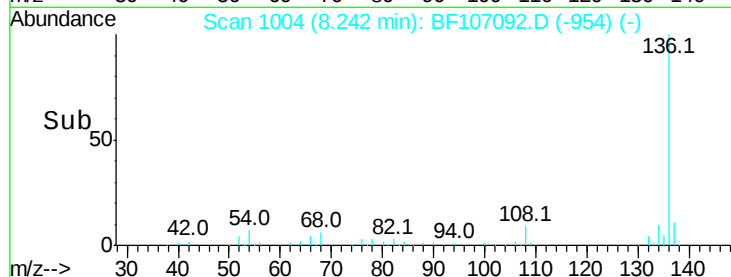


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.836 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

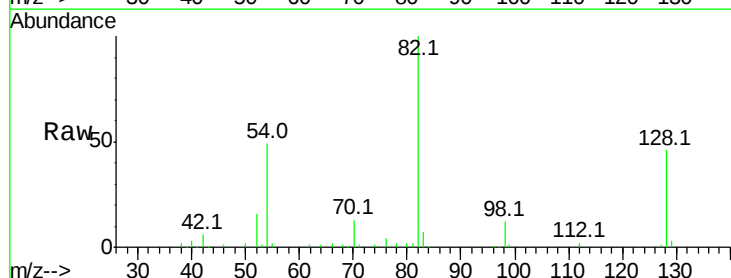
Tgt Ion: 82 Resp: 98603

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

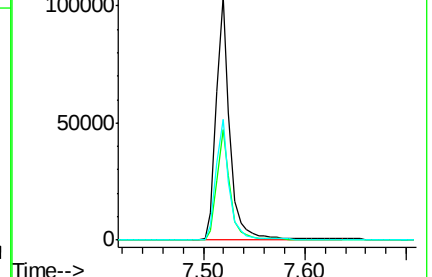
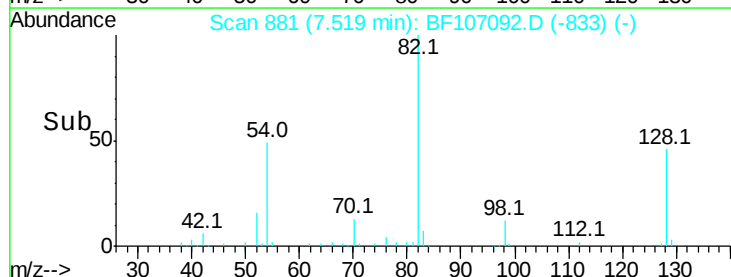
54 49.4 41.4 62.2

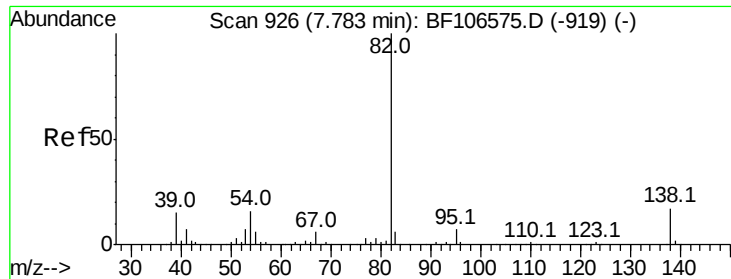


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.067 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

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CL-01-062918-A

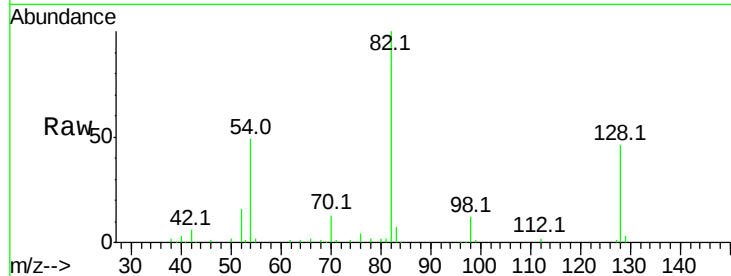
Tot Ion: 82 Resp: 98602

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

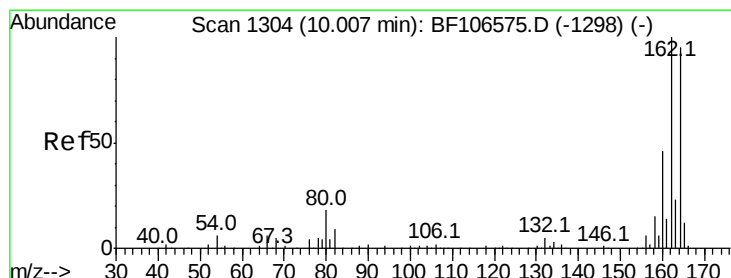
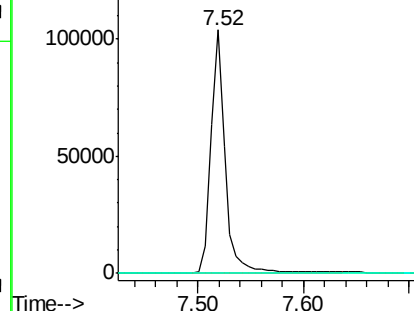
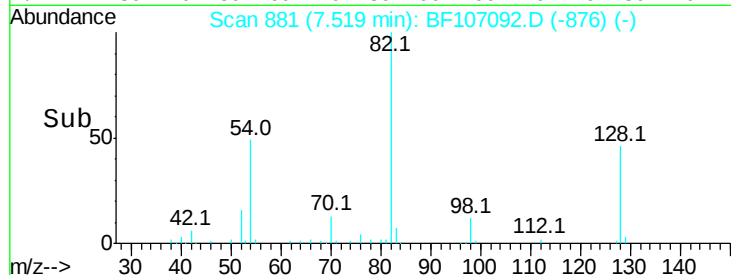
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

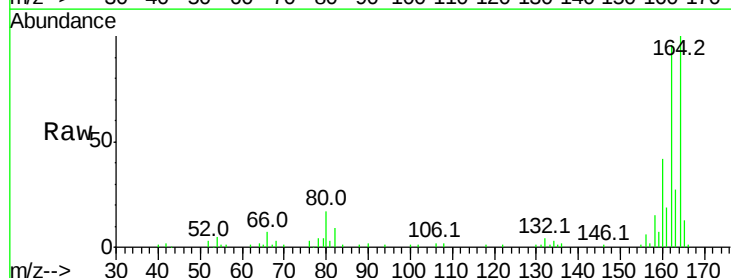
Tgt Ion:164 Resp: 76329

Ion Ratio Lower Upper

164 100

162 96.2 86.1 129.1

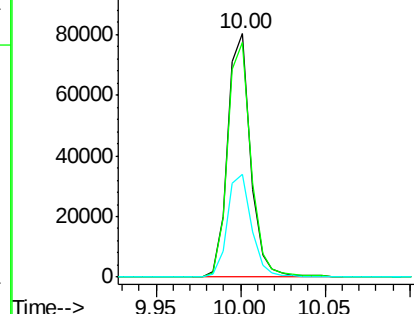
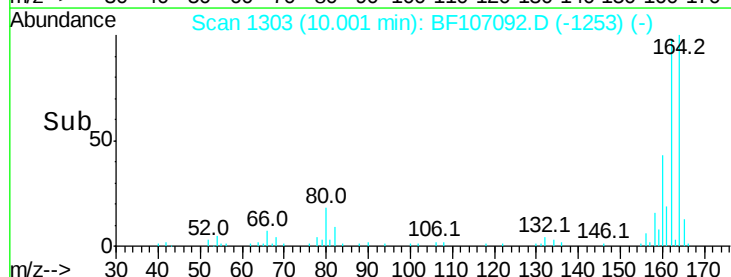
160 42.2 38.3 57.5

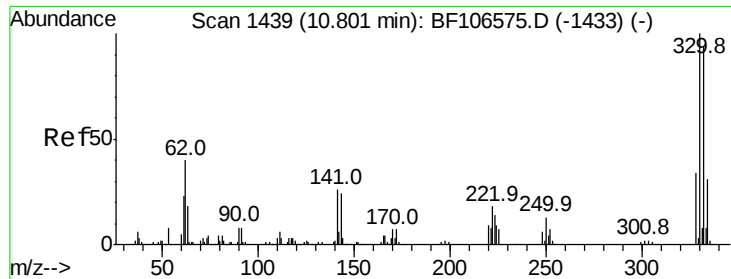


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

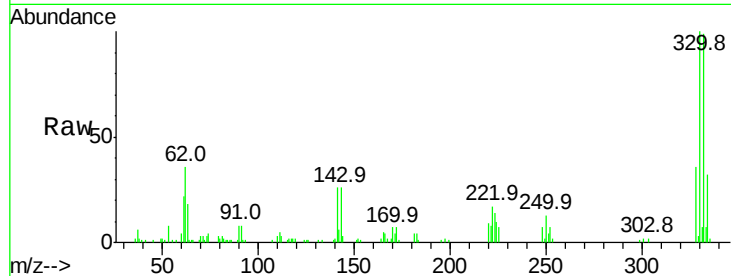




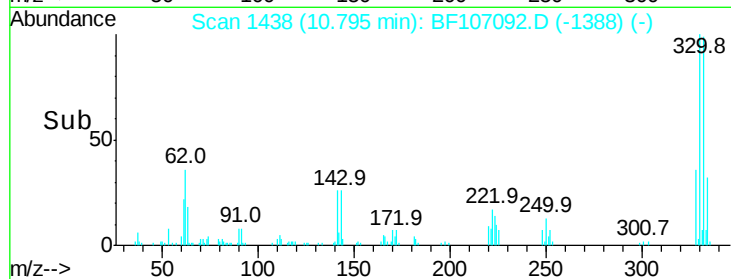
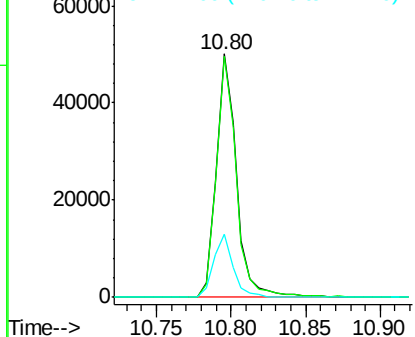
#41
 2,4,6-Tribromophenol
 Concen: 53.608 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Instrument :
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Tot Ion:330 Resp: 47426
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 24.8 29.9 44.9#

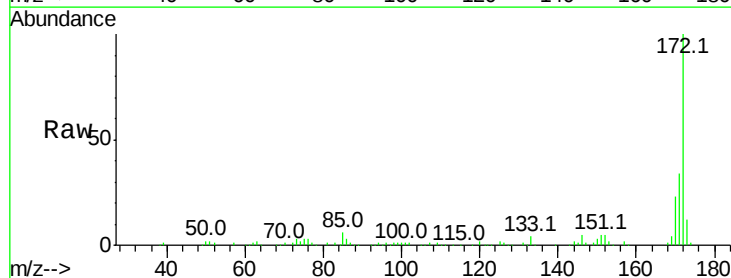


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

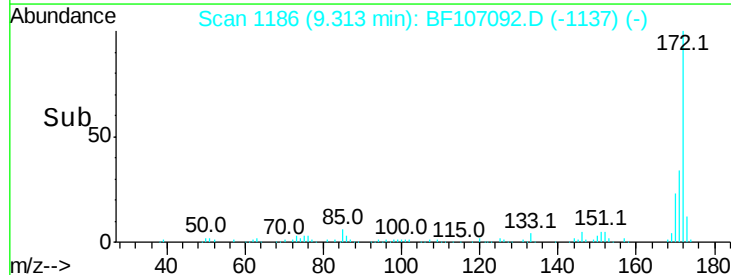
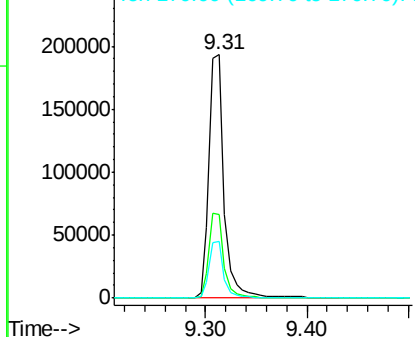


#44
 2-Fluorobiphenyl
 Concen: 36.340 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion:172 Resp: 201956
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.7 44.5
 170 23.3 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: 3.555 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

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ClientSampleId :

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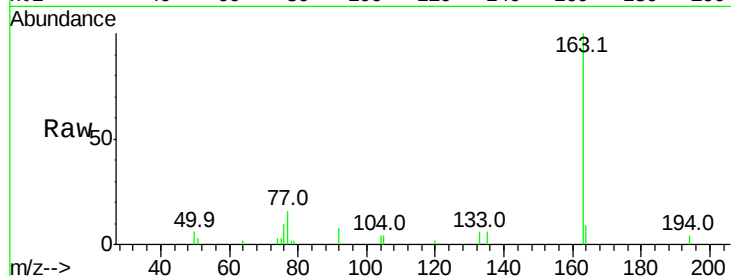
Tot Ion:163 Resp: 20350

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

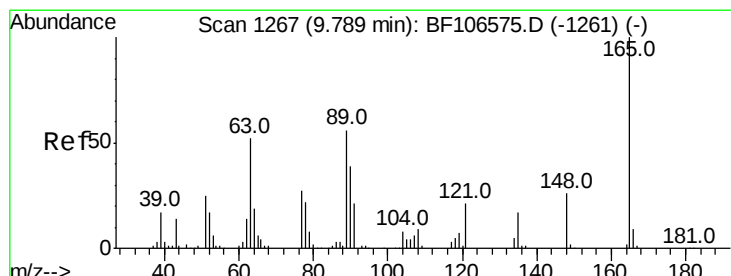
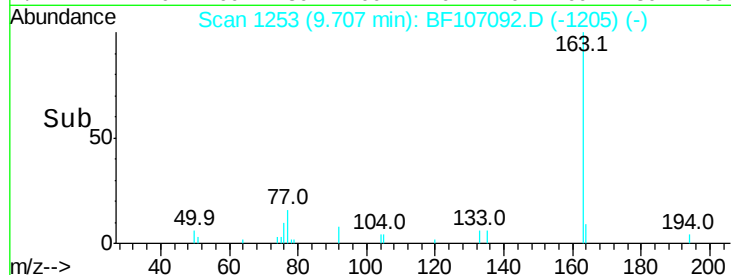
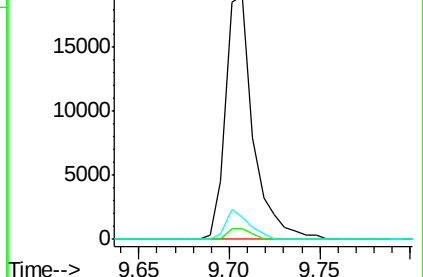
164 9.2 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.040 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

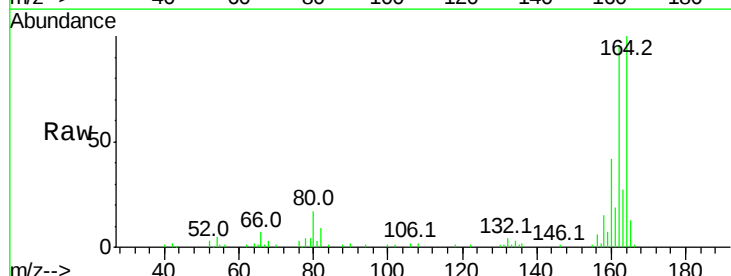
Tgt Ion:165 Resp: 9746

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

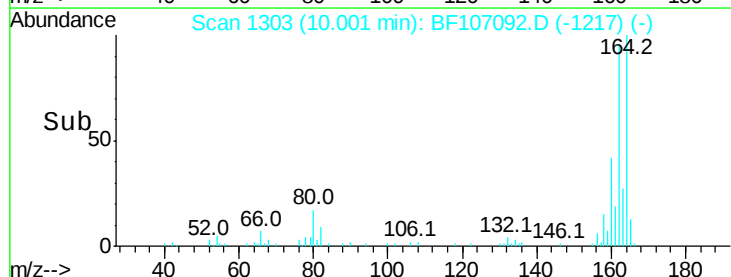
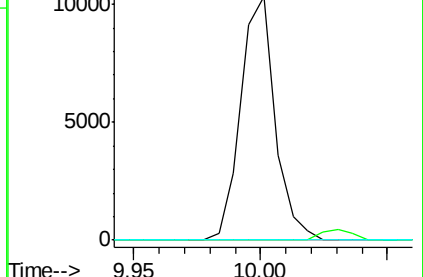
89 0.0 44.0 66.0#



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

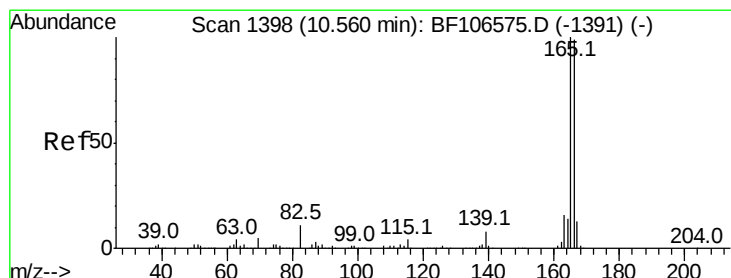
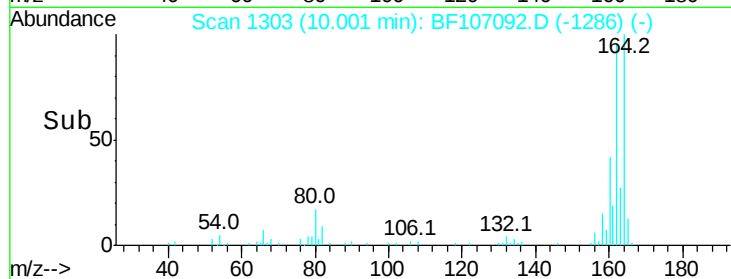
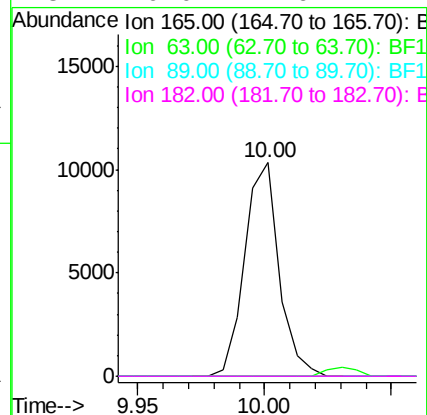
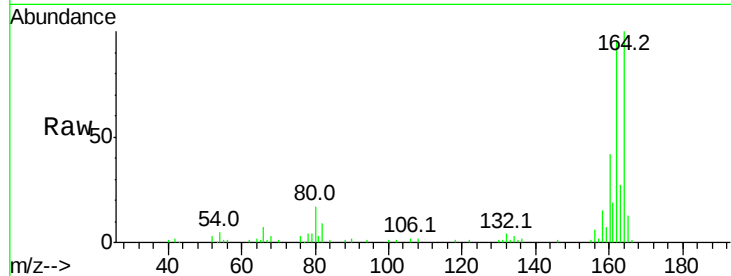




#56
 2,4-Dinitrotoluene
 Concen: 6.159 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

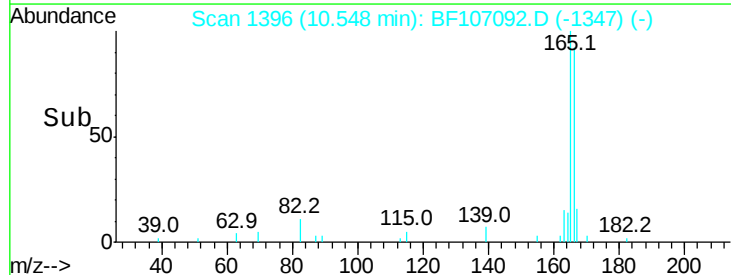
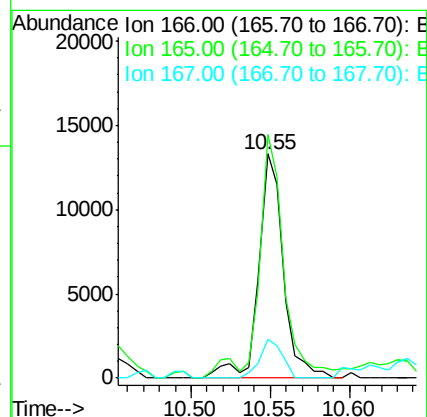
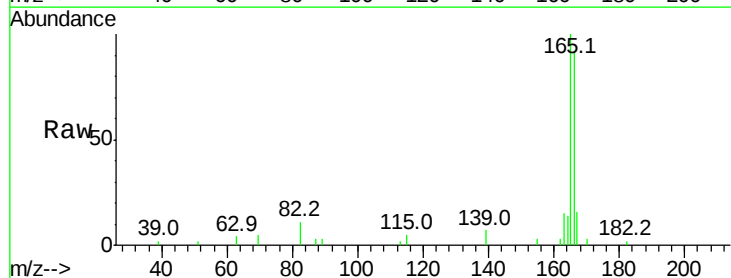
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

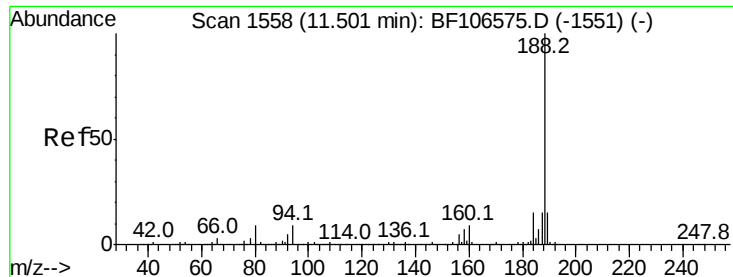
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 2.803 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.5	79.8	119.8
167	17.1	10.6	16.0#

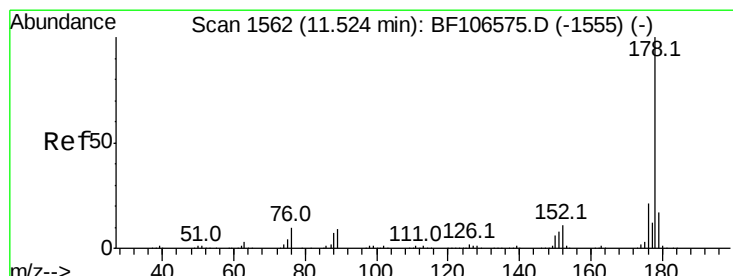
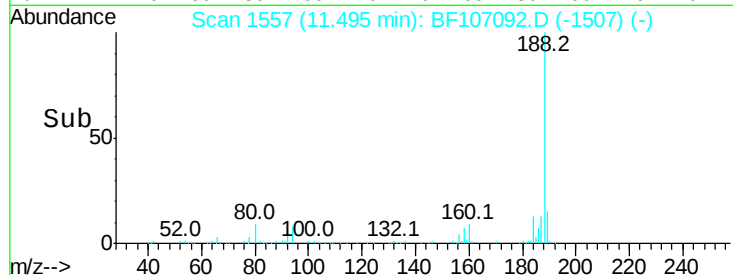
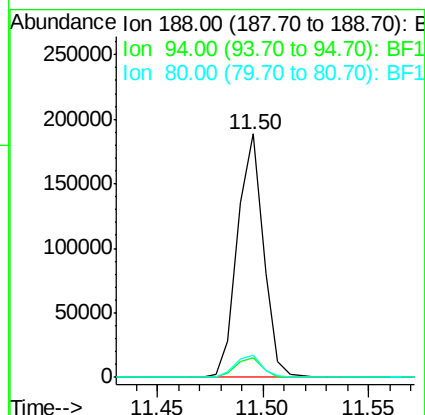
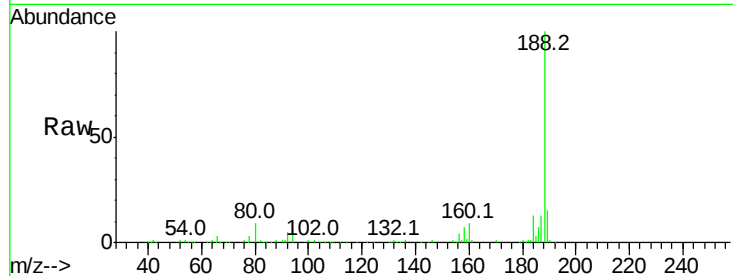




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

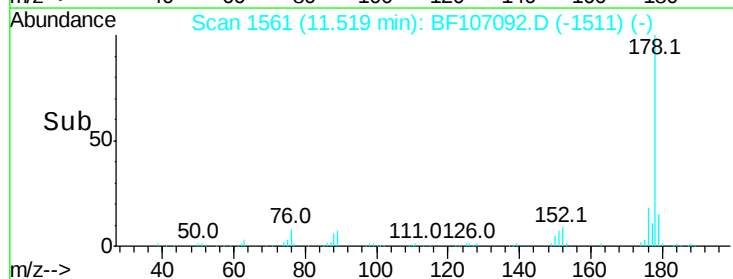
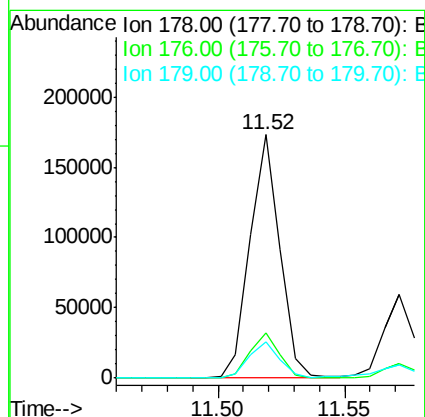
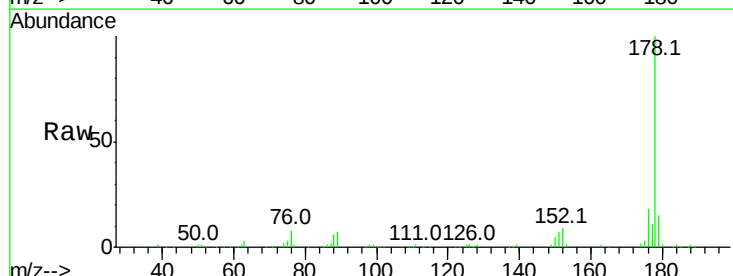
Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

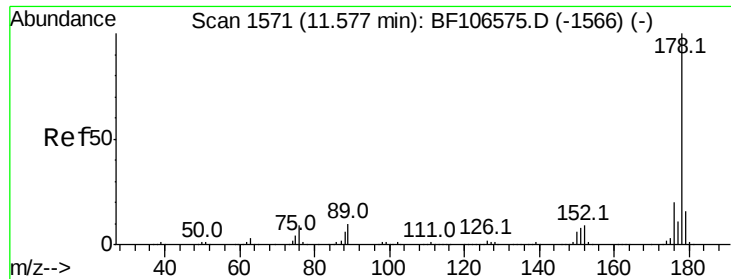
Tot Ion:188 Resp: 159418
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 9.0 9.2 13.8#



#70
Phenanthrene
Concen: 18.540 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion:178 Resp: 142557
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.0 13.0 19.6

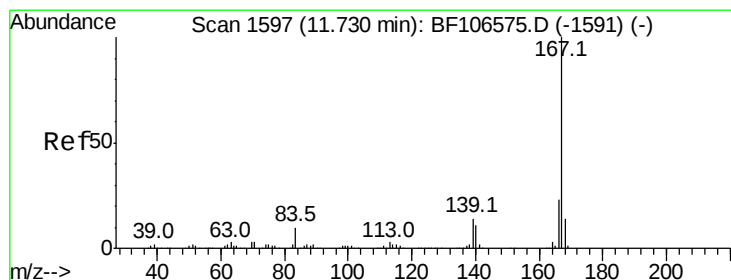
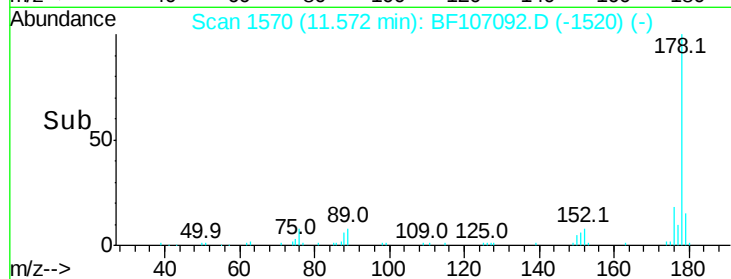
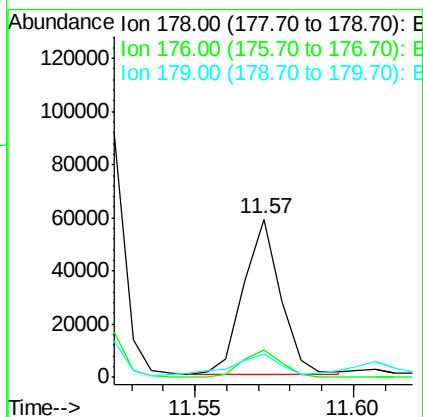
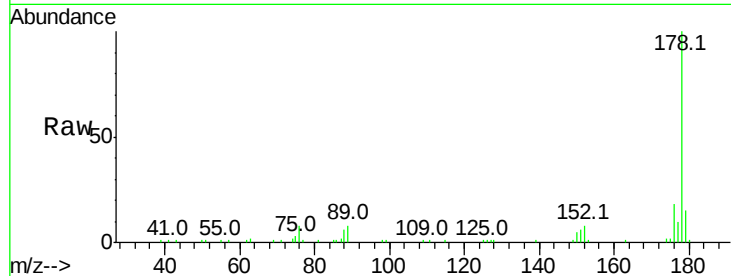




#71
 Anthracene
 Concen: 6.078 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

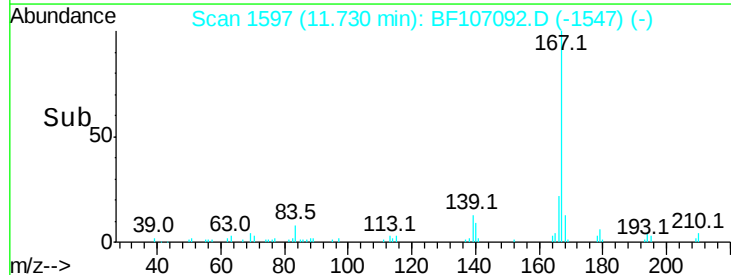
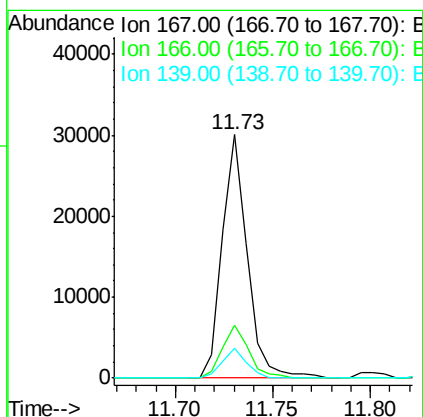
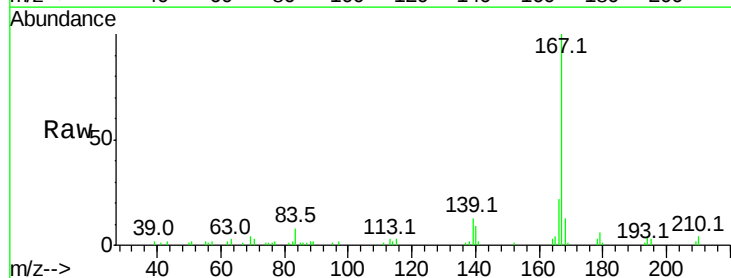
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

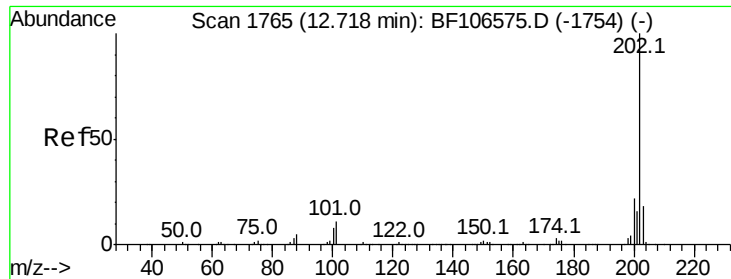
Tot Ion:178 Resp: 47699
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 15.2 12.6 19.0



#72
 Carbazole
 Concen: 3.657 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion:167 Resp: 26868
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 12.5 10.9 16.3





#74

Fluoranthene

Concen: 40.089 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062918-A

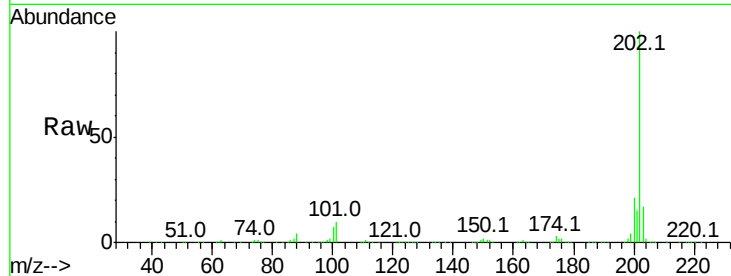
Tot Ion:202 Resp: 339746

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.4	0.0	38.1

202 100

101 9.5 0.0 34.1

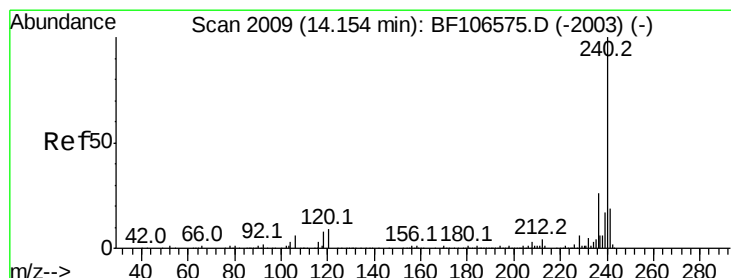
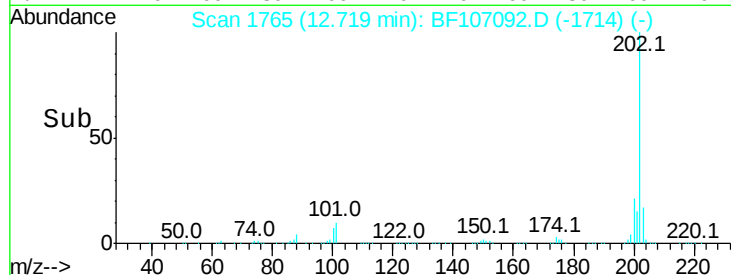
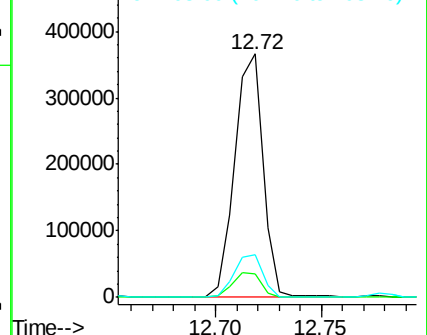
203 17.4 0.0 38.1



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: BF107092.D

Acq: 3 Jul 2018 19:51

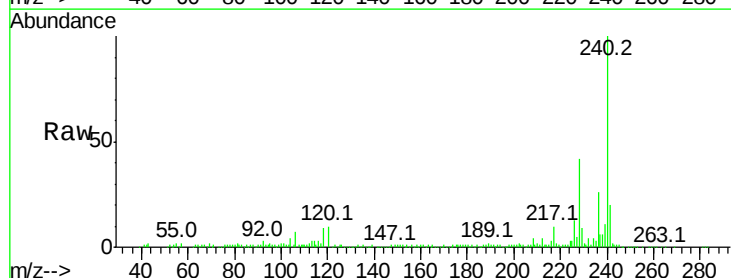
Tgt Ion:240 Resp: 135533

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.5	14.3
236	26.0	20.7	31.1

240 100

120 9.9 9.5 14.3

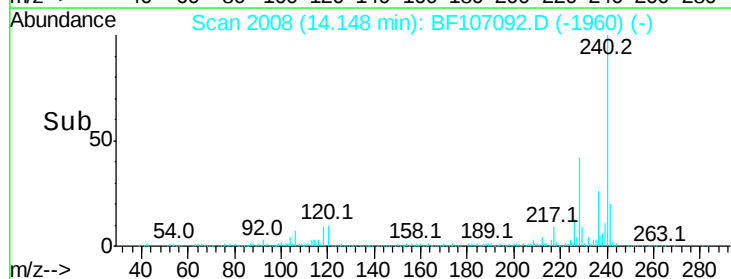
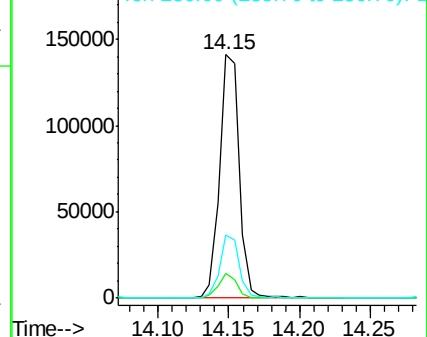
236 26.0 20.7 31.1

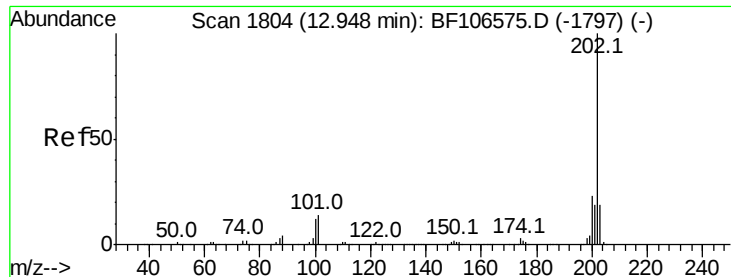


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 35.015 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062918-A

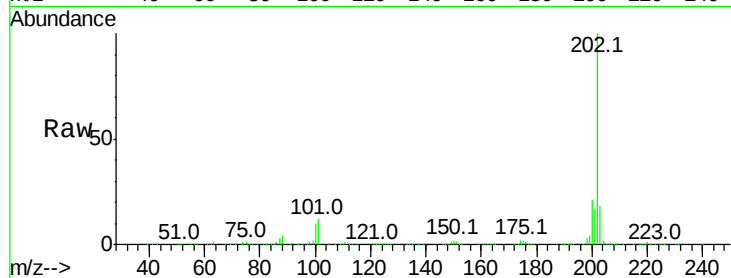
Tot Ion:202 Resp: 312943

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

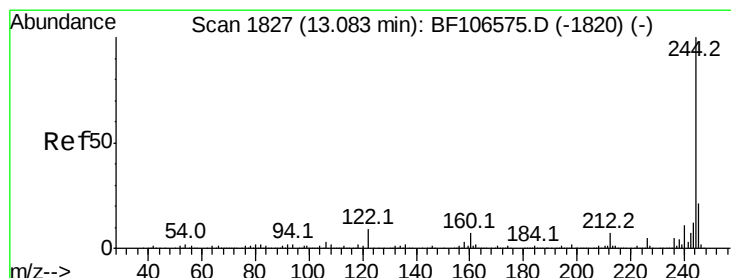
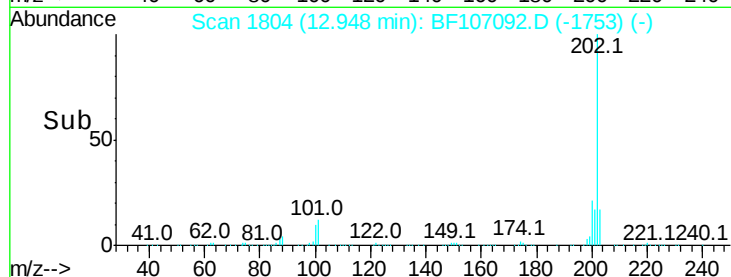
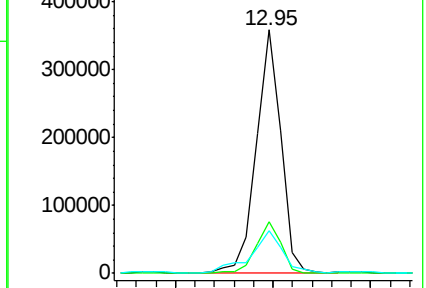
203 17.7 14.3 21.5



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: 48.063 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

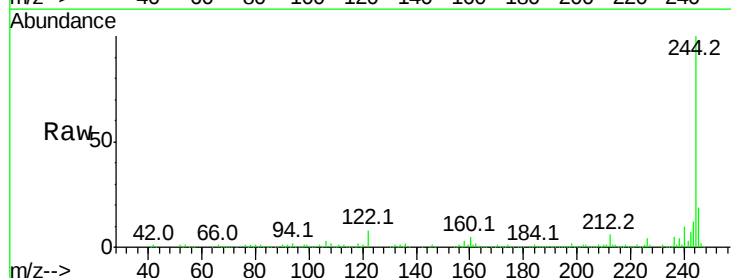
Tgt Ion:244 Resp: 268923

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

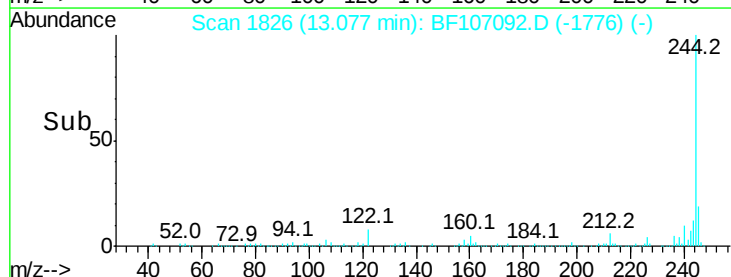
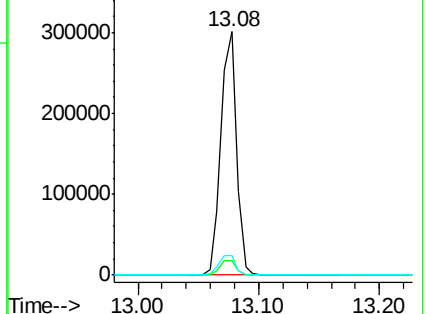
122 8.1 11.0 16.4#

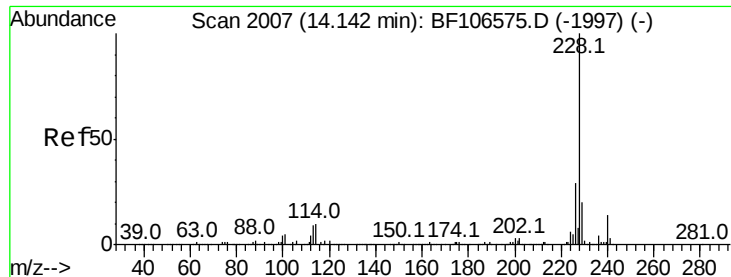


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.275 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062918-A

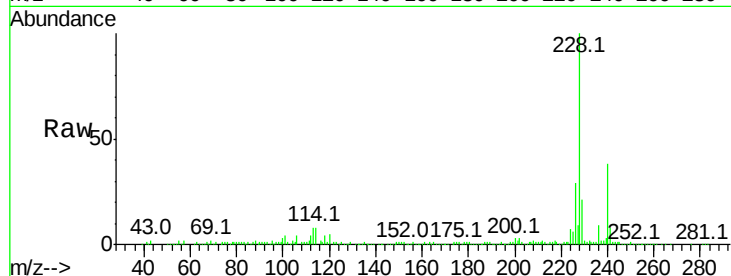
Tot Ion:228 Resp: 150958

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

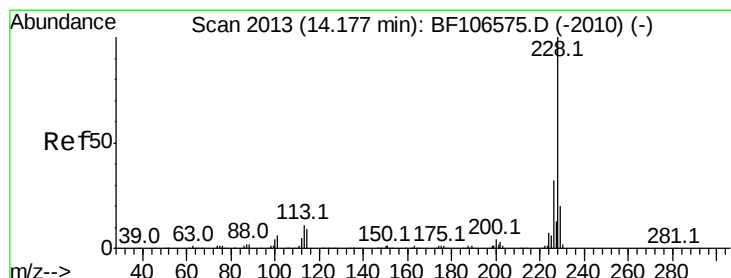
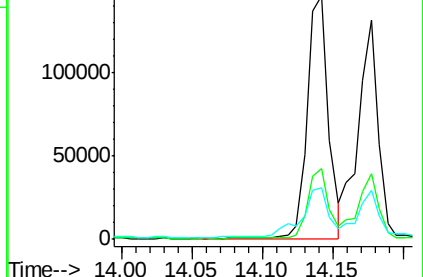
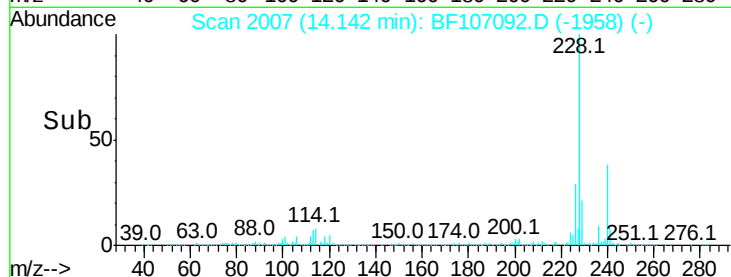
229 21.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 17.196 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

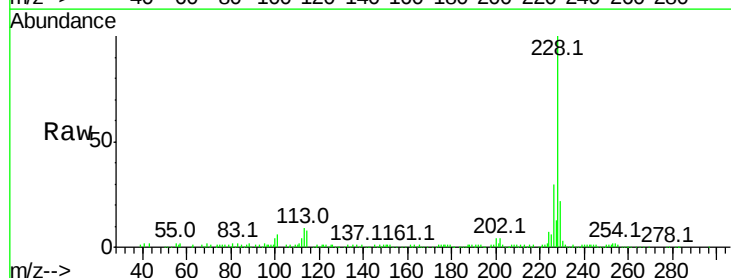
Tgt Ion:228 Resp: 130679

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

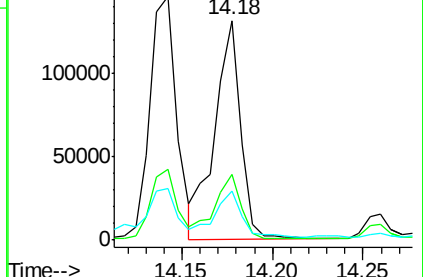
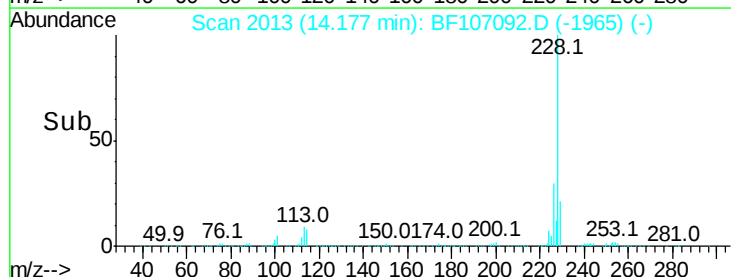
229 22.3 16.2 24.4

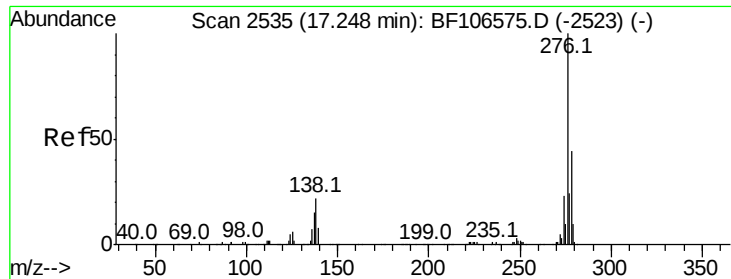


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

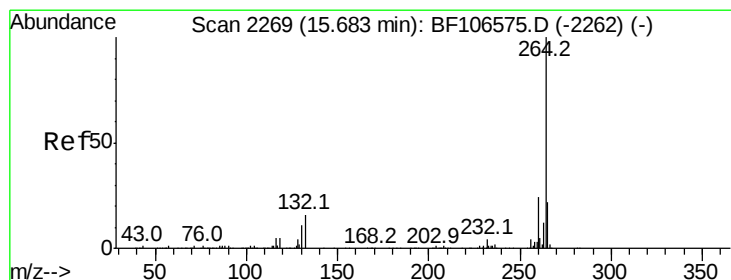
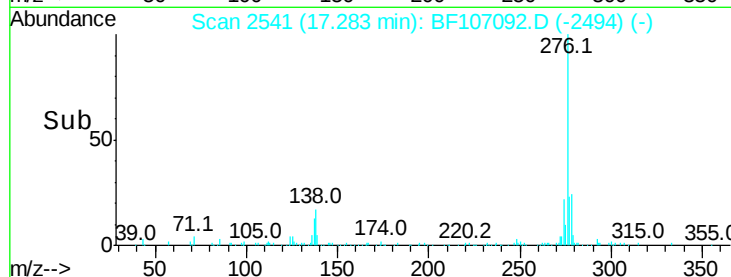
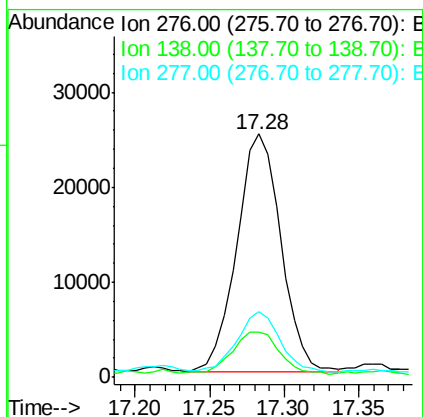
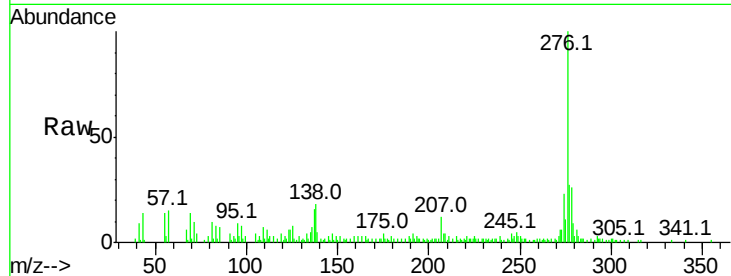




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.910 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

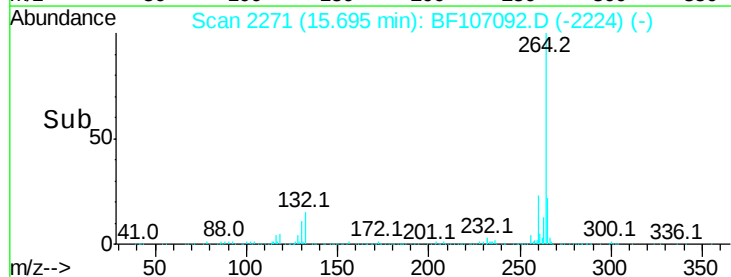
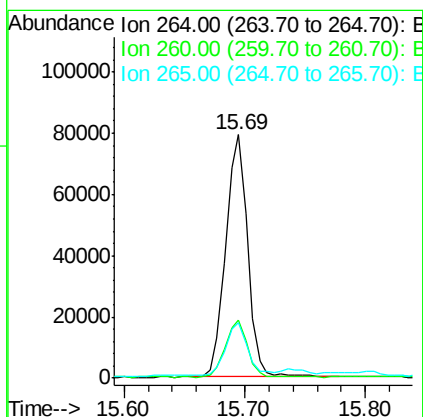
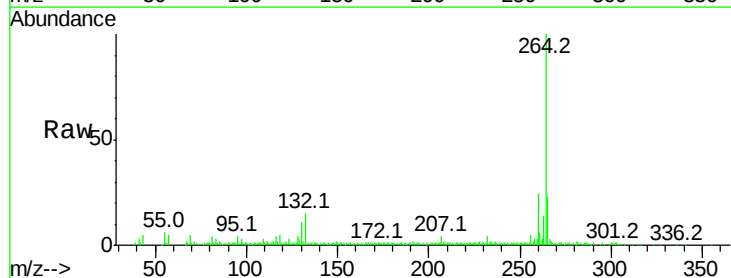
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

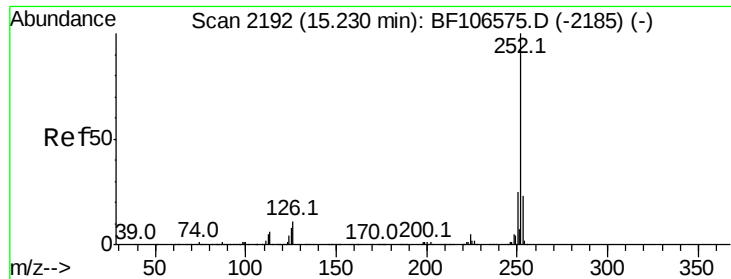
Tot Ion:276 Resp: 51013
 Ion Ratio Lower Upper
 276 100
 138 18.8 25.0 37.6#
 277 24.8 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion:264 Resp: 100435
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.9 17.5 26.3

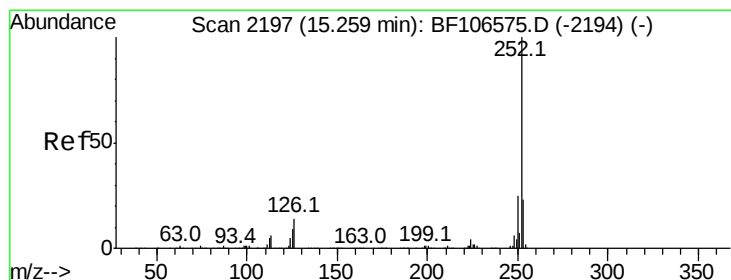
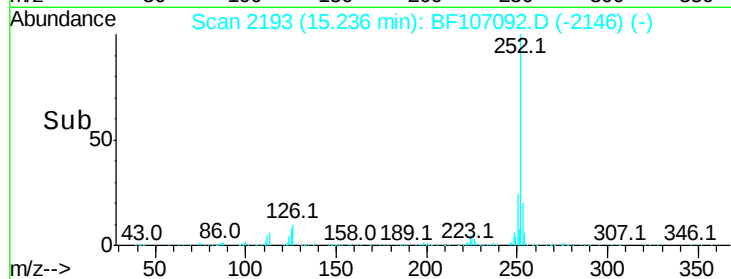
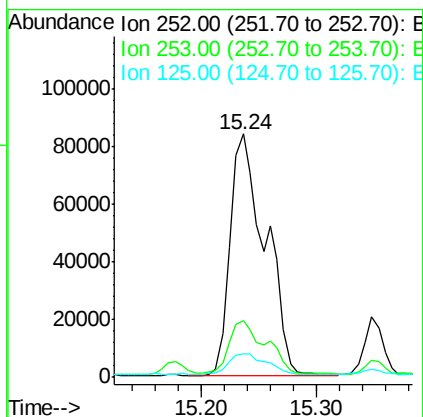
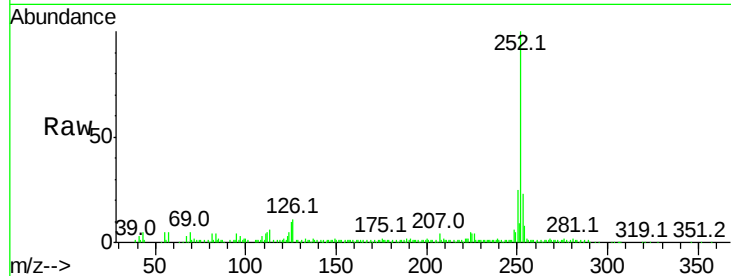




#87
Benzo(b)fluoranthene
Concen: 28.496 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

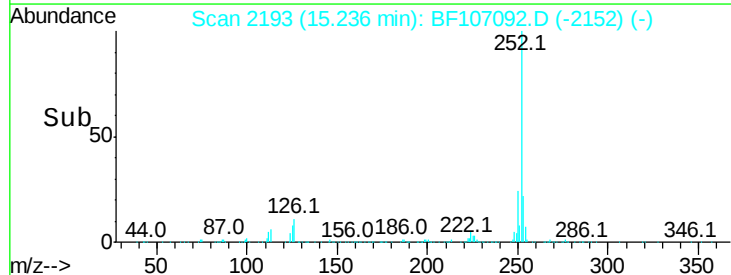
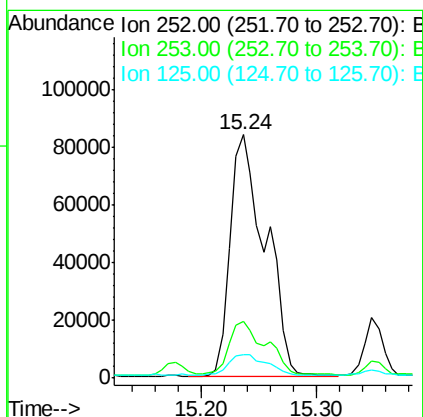
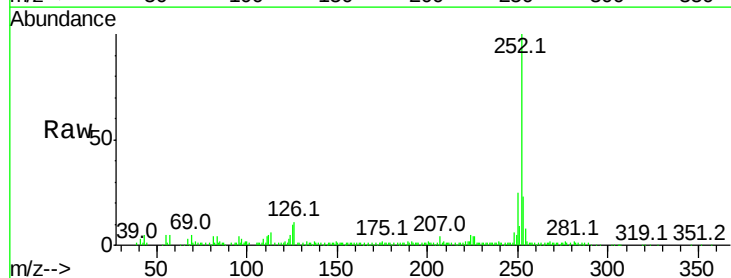
Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

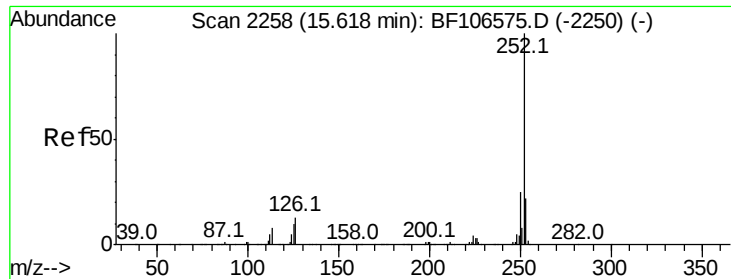
Tot Ion:252 Resp: 177788
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 9.6 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 29.924 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion:252 Resp: 177788
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 9.6 10.2 15.2#

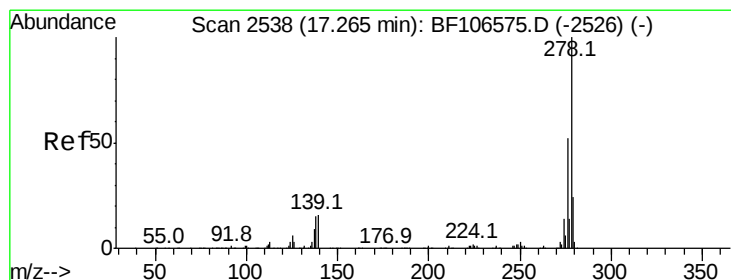
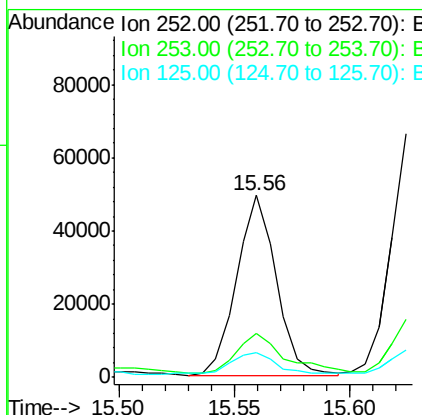
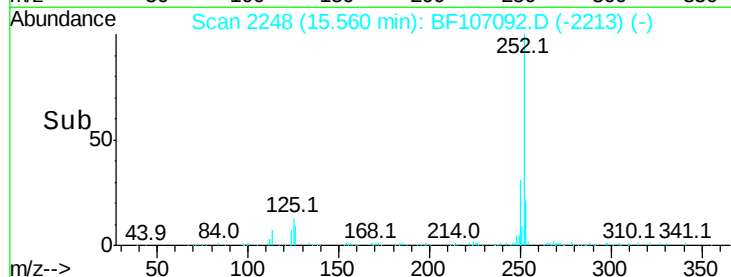
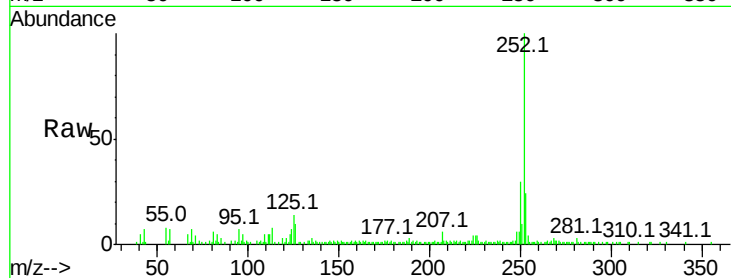




#89
Benzo(a)pyrene
Concen: 10.560 ng
RT: 15.56 min Scan# 2248
Delta R.T. -0.09 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

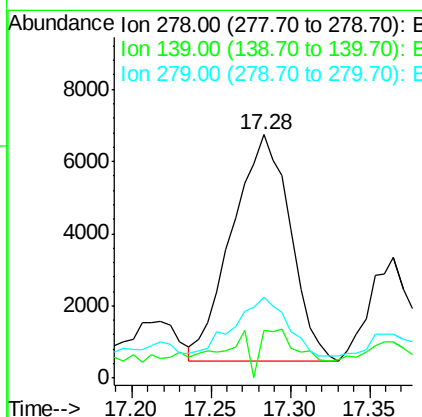
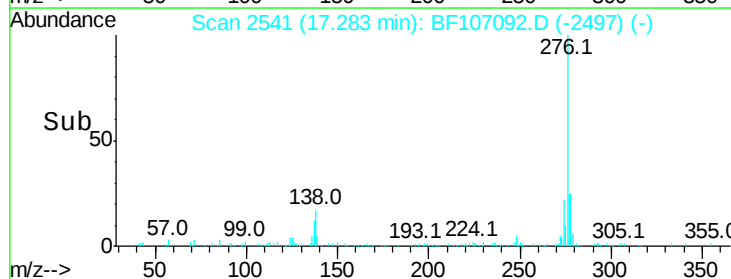
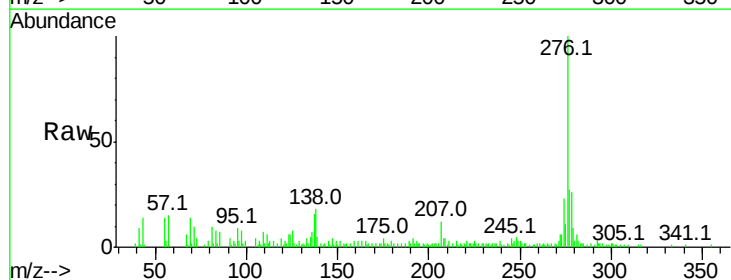
Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

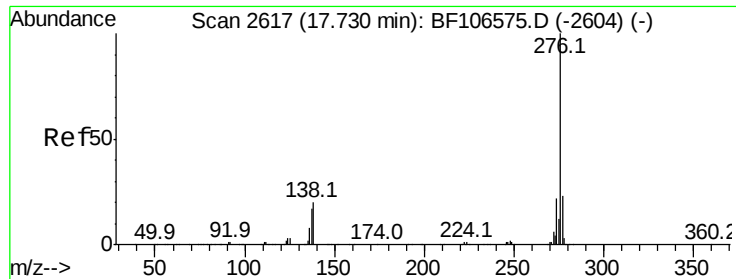
Tot Ion:252 Resp: 58567
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 13.5 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.383 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion:278 Resp: 15903
Ion Ratio Lower Upper
278 100
139 19.5 15.9 23.9
279 33.1 19.0 28.4#





#91
Benzo(a,h,i)perylene
Concen: 9.983 ng
RT: 17.77 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	20.7	21.8	32.8#

