

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107077.D
 Acq On : 3 Jul 2018 12:56
 Operator : JU/SJ
 Sample : J3629-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C3-01

Quant Time: Jul 03 14:27:17 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	54377	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	198786	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	85614	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	150523	20.00	ng	0.00
75) Chrysene-d12	14.15	240	177458	20.00	ng	-0.02
86) Perylene-d12	15.69	264	152850	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	88062	27.42	ng	0.00
7) Phenol-d6	6.60	99	102761	25.62	ng	-0.01
23) Nitrobenzene-d5	7.52	82	60995	17.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	22229	22.40	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	127856	12.74	ng	-0.02
78) Terphenyl-d14	13.07	244	139646	19.06	ng	-0.01

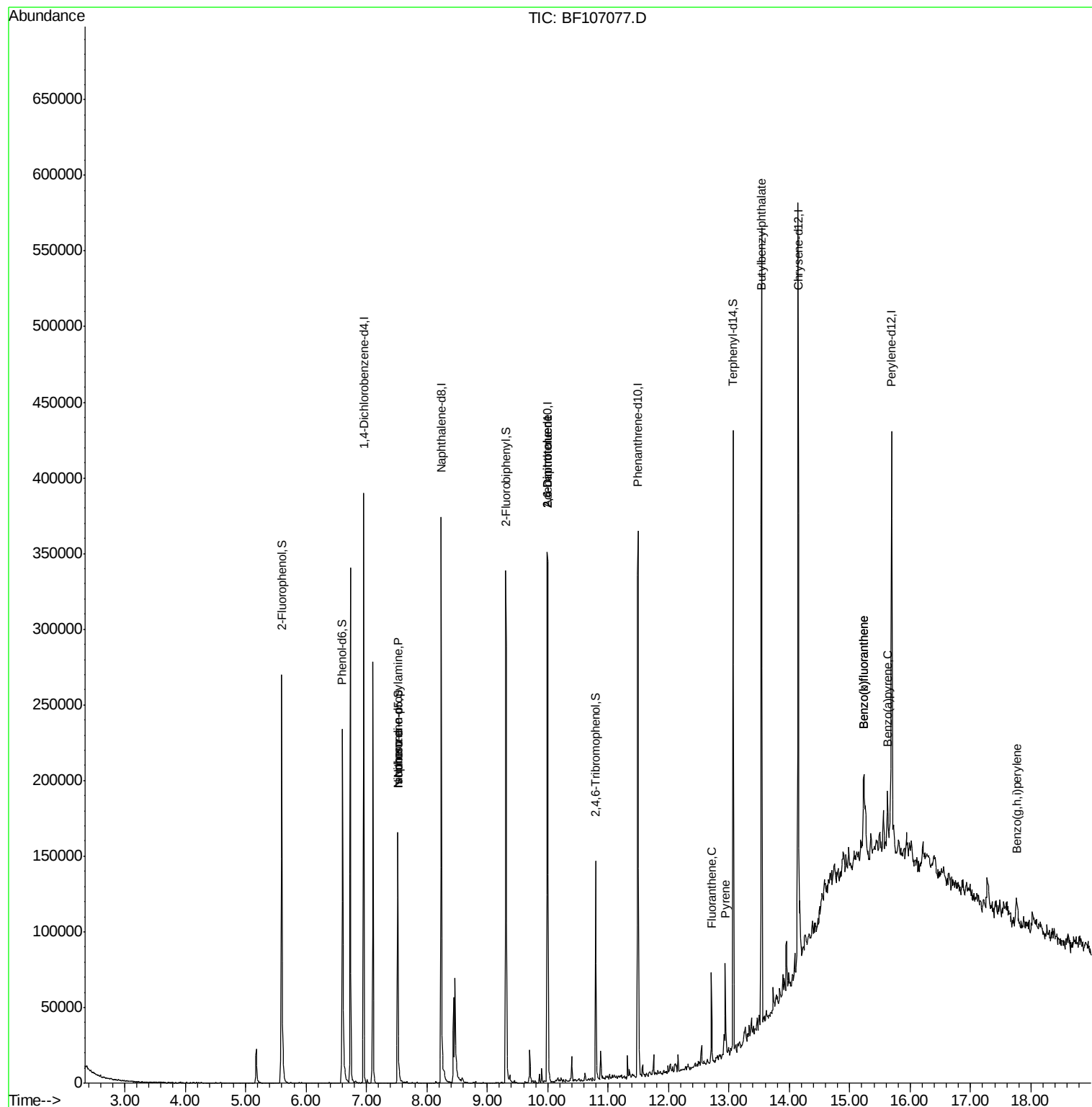
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	7581	2.868	ng	# 75
25) Isophorone	7.52	82	60994	9.677	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	11223	8.254	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	11223	6.324	ng	# 21
74) Fluoranthene	12.71	202	24514	3.063	ng	95
77) Pyrene	12.94	202	24716	2.112	ng	96
79) Butylbenzylphthalate	13.54	149	112520	23.386	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	41596	4.381	ng	# 91
88) Benzo(k)fluoranthene	15.23	252	41596	4.600	ng	# 93
89) Benzo(a)pyrene	15.62	252	19001	2.251	ng	# 89
91) Benzo(g,h,i)perylene	17.77	276	16458	2.354	ng	# 87

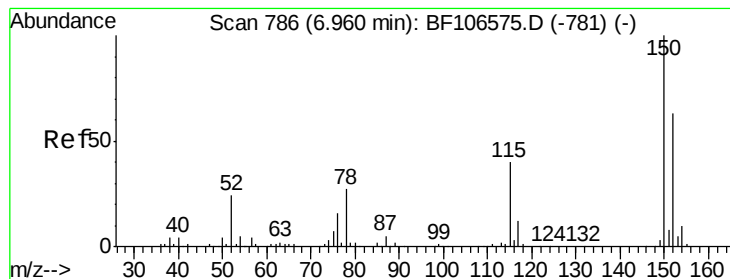
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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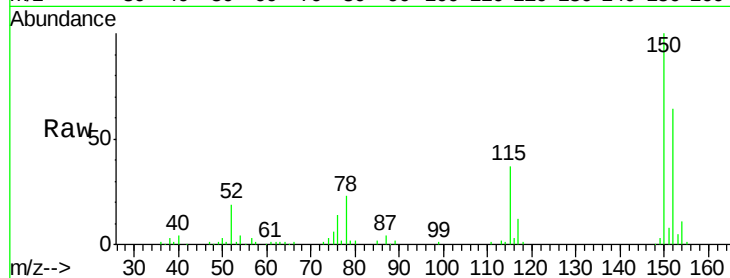




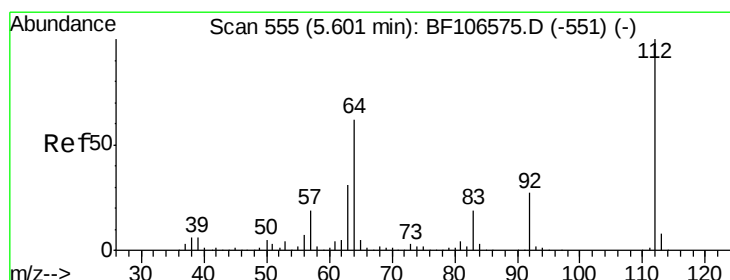
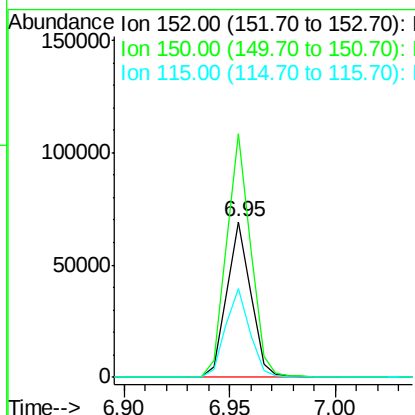
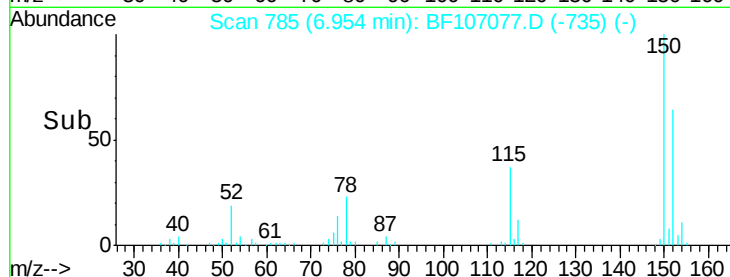
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 A0C3-01

Tgt Ion:152 Resp: 54377
 Ion Ratio Lower Upper
 152 100
 150 156.2 124.6 186.8
 115 57.1 50.1 75.1

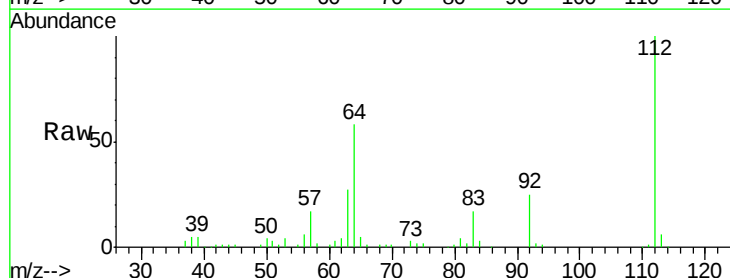


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

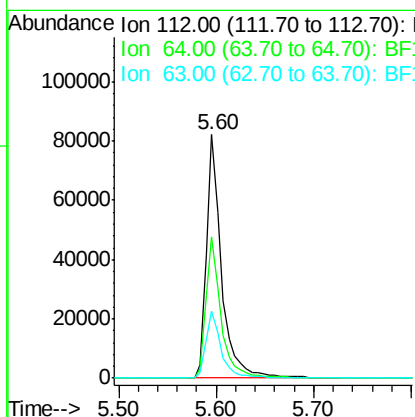
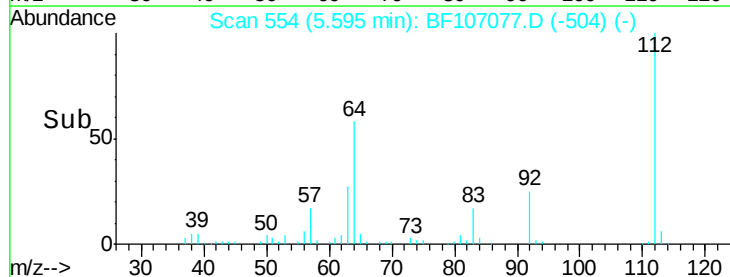


#5
 2-Fluorophenol
 Concen: 27.423 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Tgt Ion:112 Resp: 88062
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.9 71.9
 63 27.5 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: 25.625 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

Instrument :

BNA_F

ClientSampleId :

A0C3-01

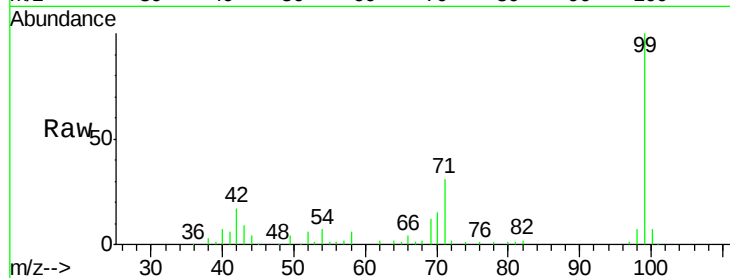
Tgt Ion: 99 Resp: 102761

Ion Ratio Lower Upper

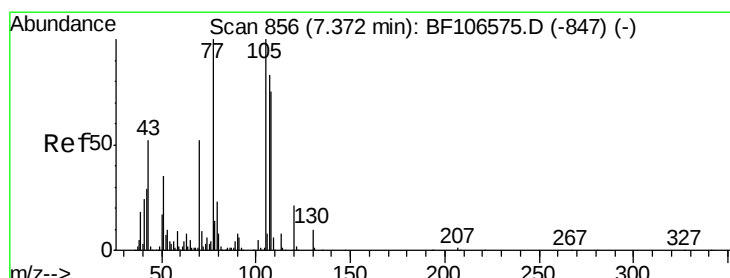
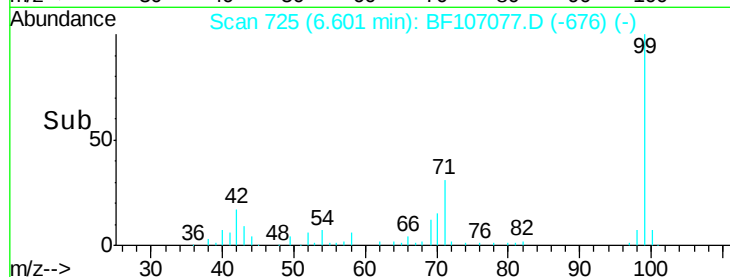
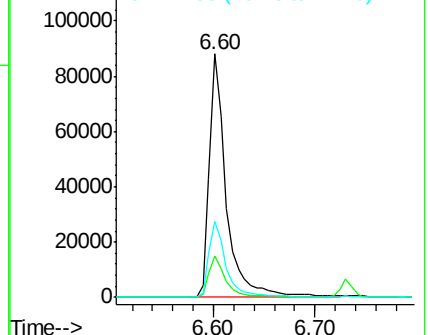
99 100

42 16.8 14.5 21.7

71 31.4 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: 2.868 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

Tgt Ion: 70 Resp: 7581

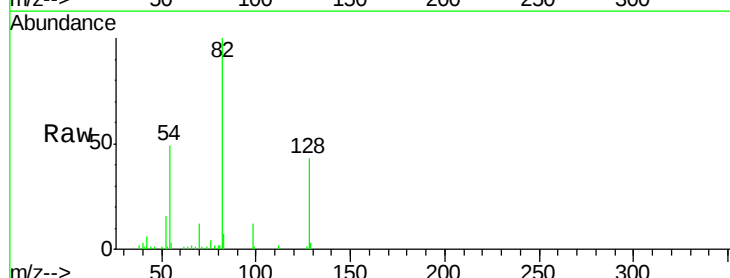
Ion Ratio Lower Upper

70 100

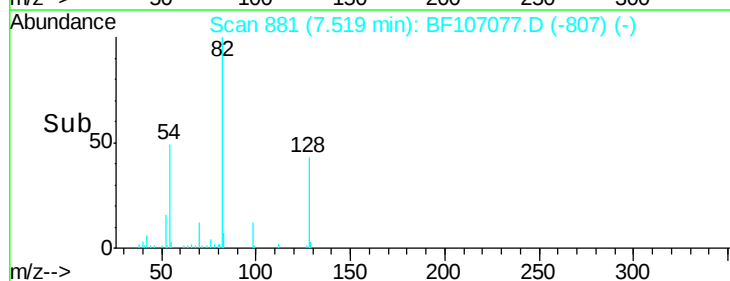
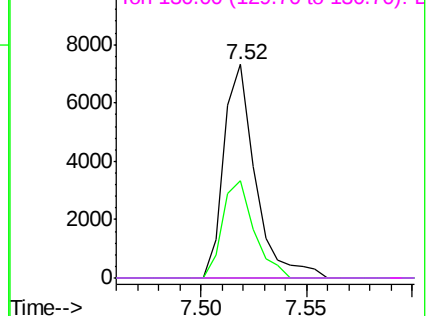
42 45.7 47.5 71.3#

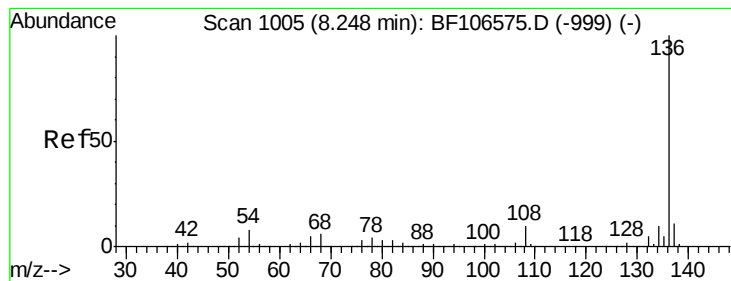
101 0.0 7.4 11.2#

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

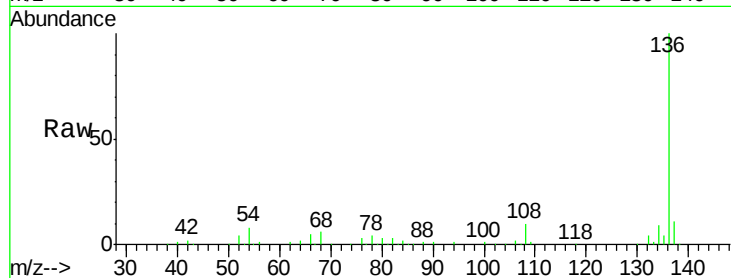




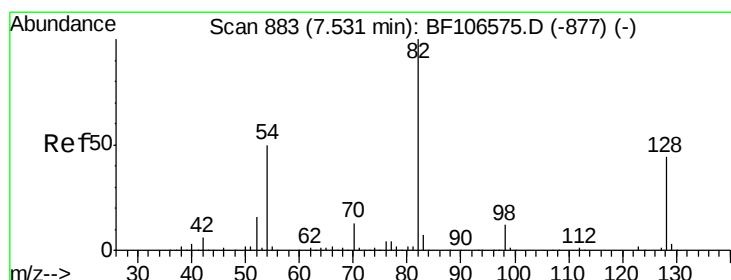
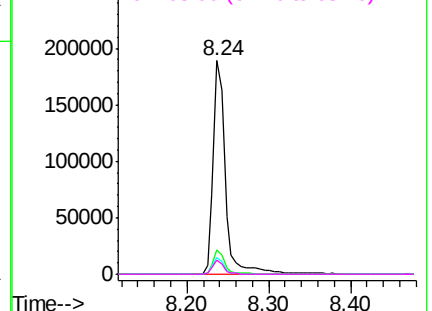
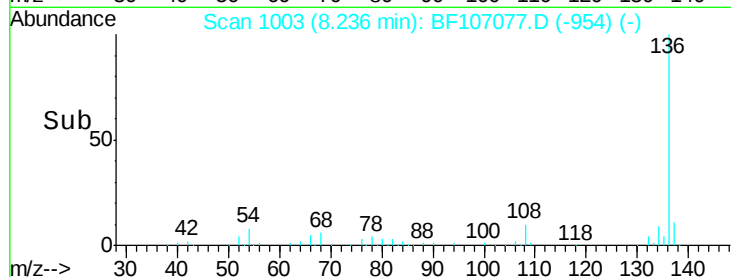
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

Instrument :
BNA_F
ClientSampleId :
A0C3-01

Tgt Ion:	136	Resp:	198786
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.9	6.6	9.8
68	6.3	5.0	7.4

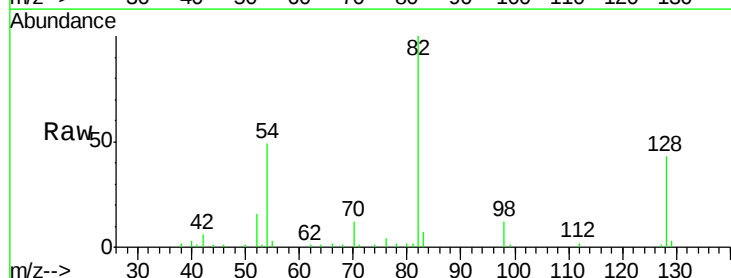


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

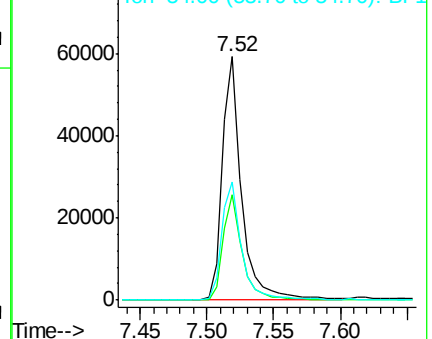
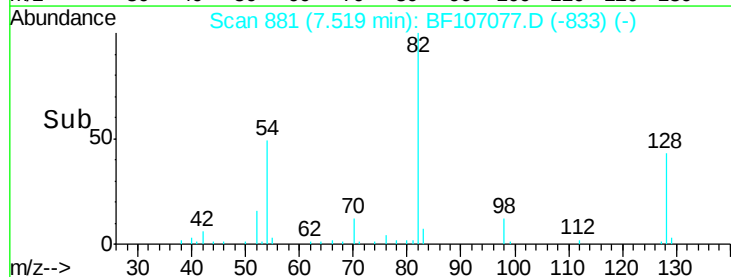


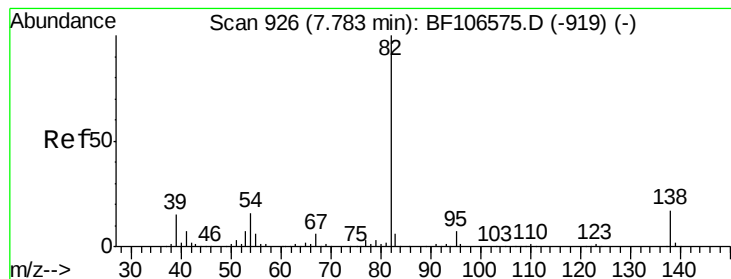
#23
Nitrobenzene-d5
Concen: 17.052 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

Tgt Ion:	82	Resp:	60995
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	48.5	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: 9.677 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

Instrument :

BNA_F

ClientSampleId :

A0C3-01

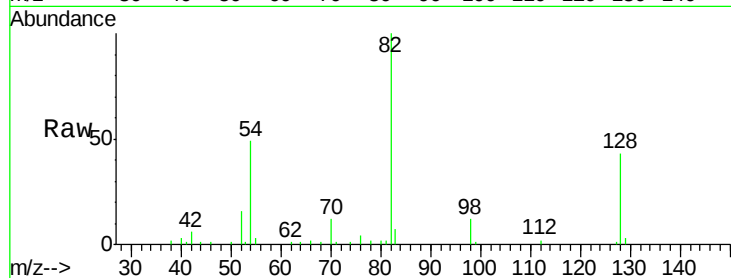
Tgt Ion: 82 Resp: 60994

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

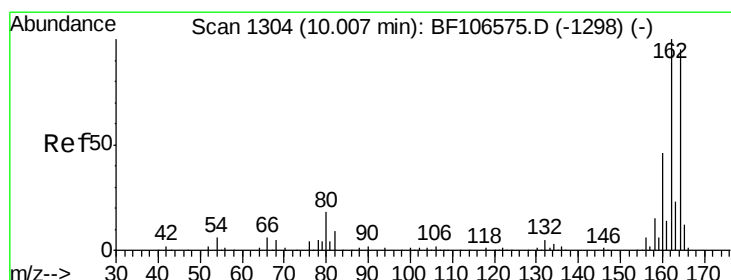
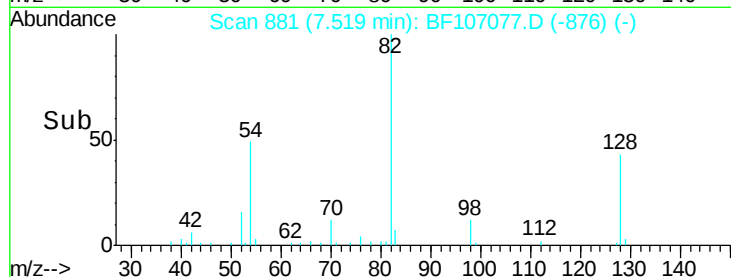
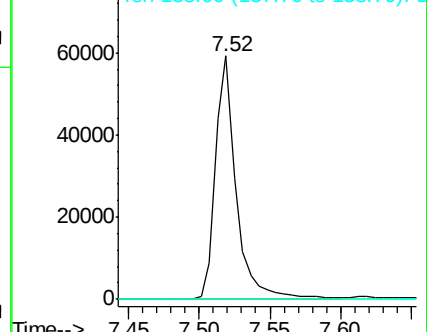
138 0.0 14.9 22.3#



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# 1302

Delta R.T. -0.01 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

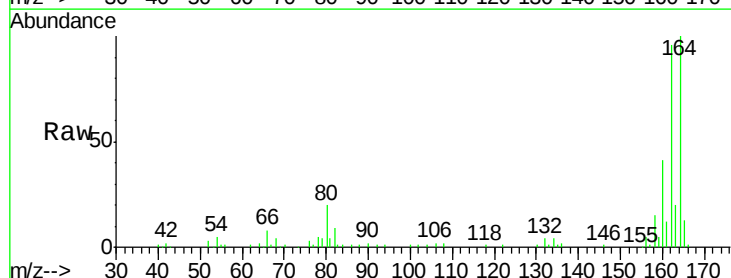
Tgt Ion: 164 Resp: 85614

Ion Ratio Lower Upper

164 100

162 96.4 86.1 129.1

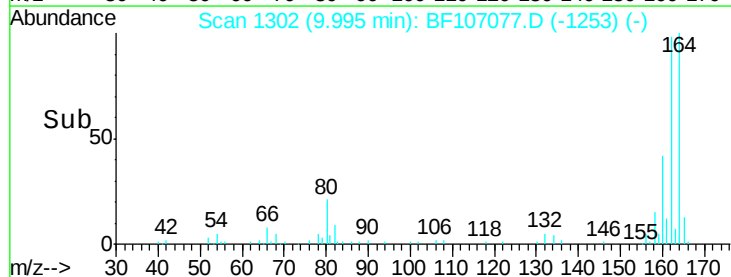
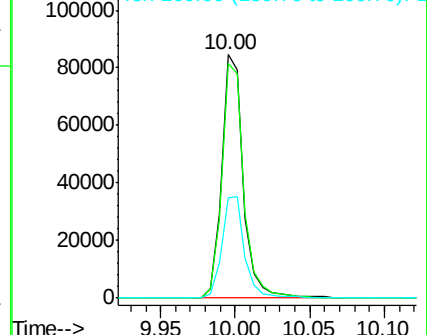
160 40.9 38.3 57.5

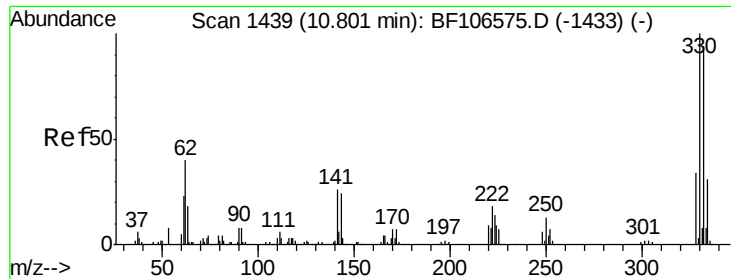


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

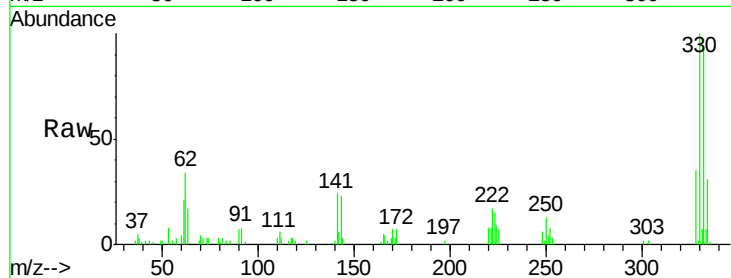




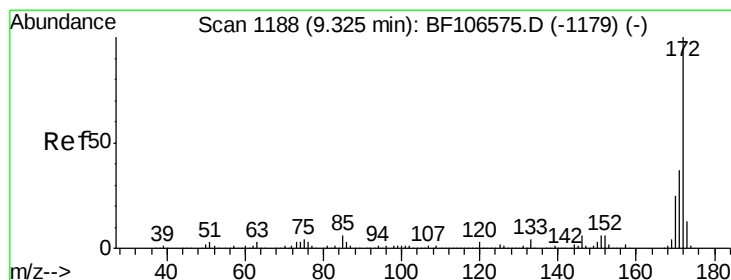
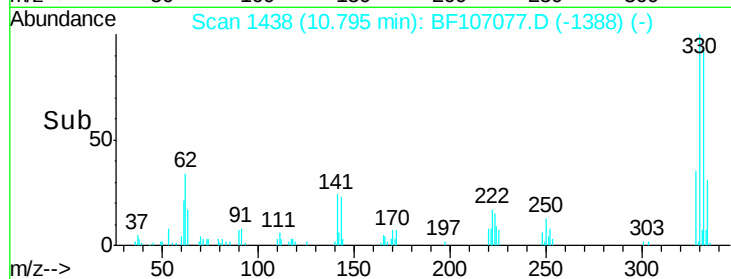
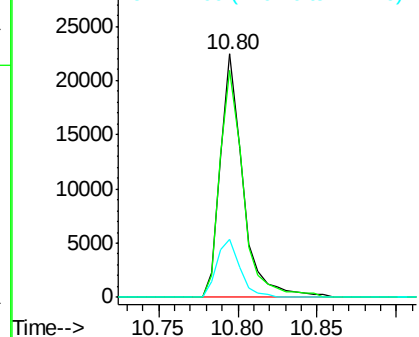
#41
 2,4,6-Tribromophenol
 Concen: 22.402 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Instrument :
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 ClientSampleId :
 A0C3-01

Tgt Ion:330 Resp: 22229
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 24.9 29.9 44.9#

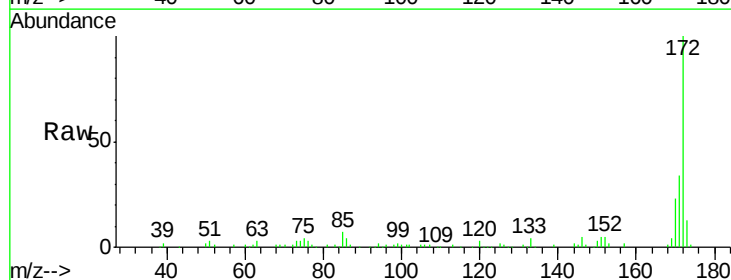


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

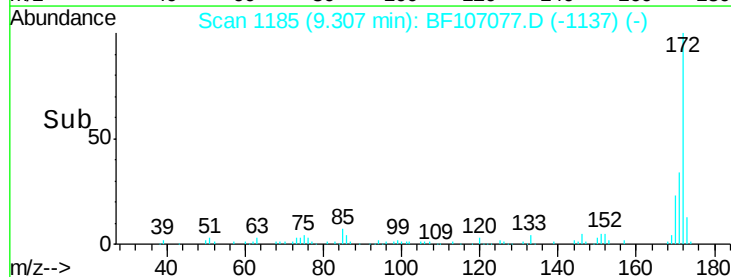
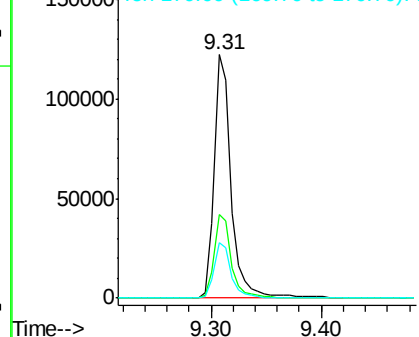


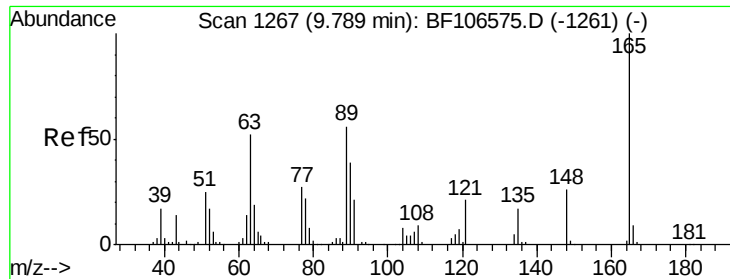
#44
 2-Fluorobiphenyl
 Concen: 12.737 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Tgt Ion:172 Resp: 127856
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.7 44.5
 170 22.8 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

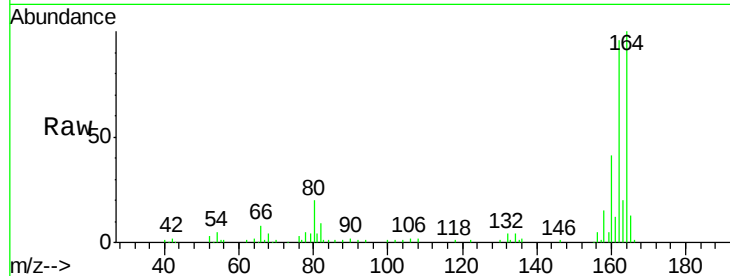




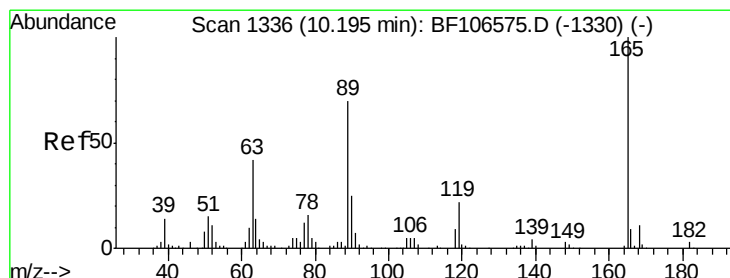
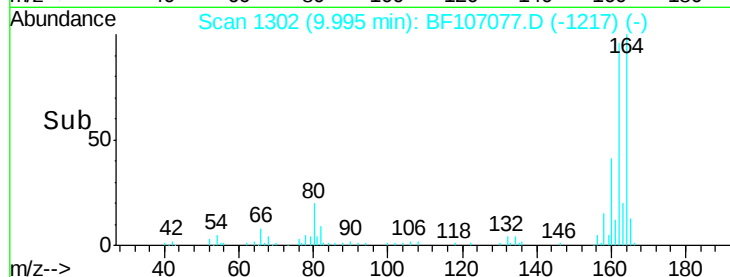
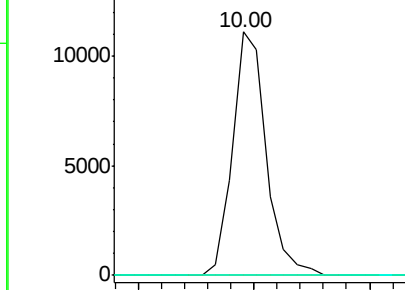
#50
 2,6-Dinitrotoluene
 Concen: 8.254 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Instrument :
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 A0C3-01

Tgt Ion:165 Resp: 11223
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

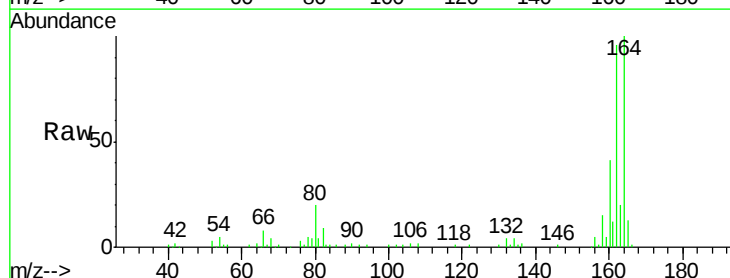


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BF1
 10000 Ion 89.00 (88.70 to 89.70): BF1

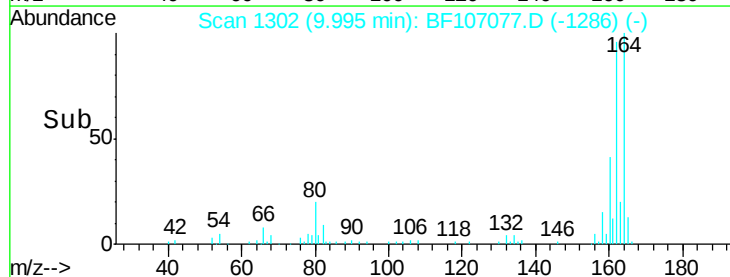
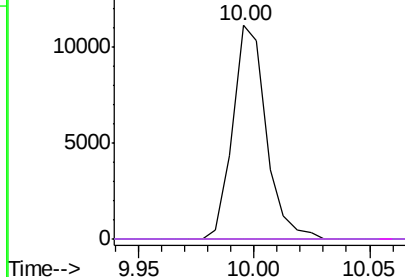


#56
 2,4-Dinitrotoluene
 Concen: 6.324 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Tgt Ion:165 Resp: 11223
 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
 15000 Ion 63.00 (62.70 to 63.70): BF1
 10000 Ion 89.00 (88.70 to 89.70): BF1
 5000 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

Instrument :

BNA_F

ClientSampleId :

A0C3-01

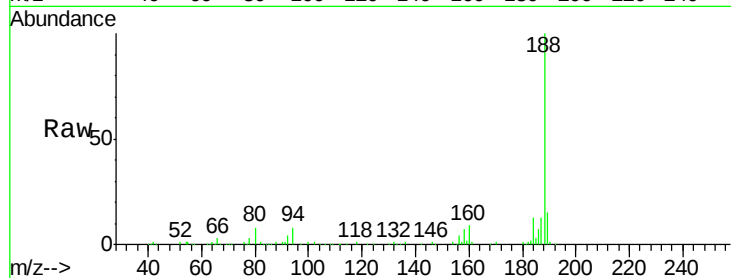
Tgt Ion:188 Resp: 150523

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

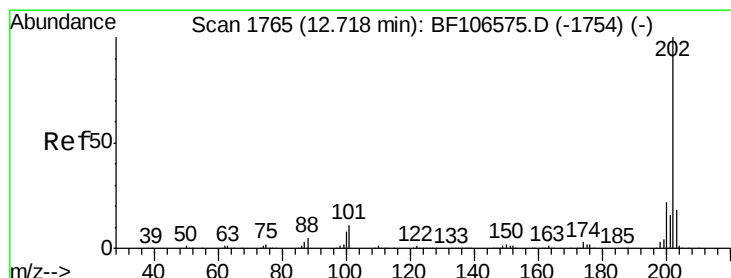
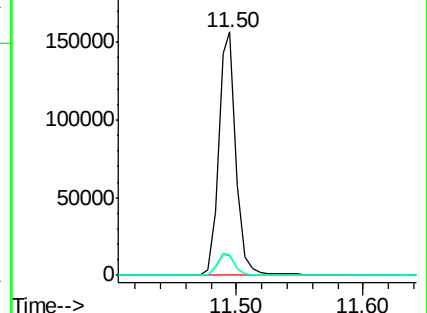
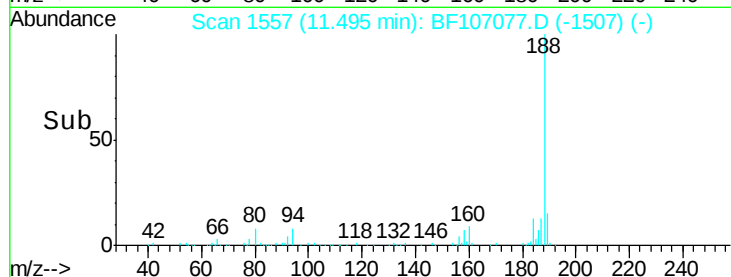
80 8.3 9.2 13.8#



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: 3.063 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

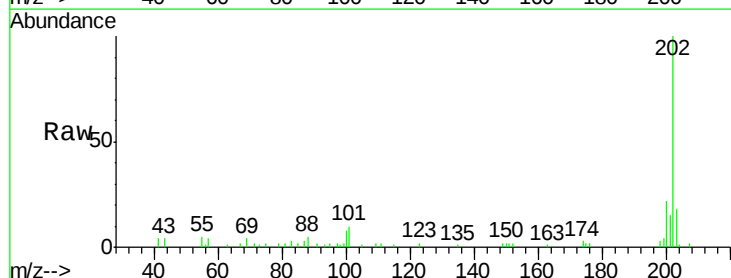
Tgt Ion:202 Resp: 24514

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

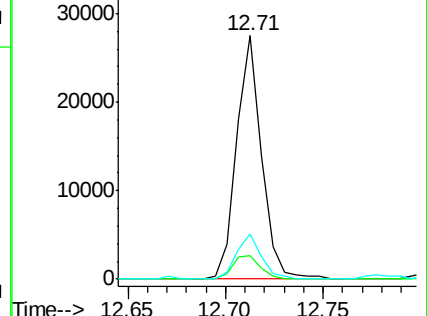
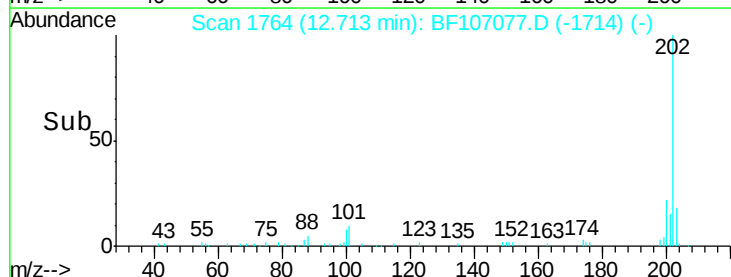
203 18.4 0.0 38.1

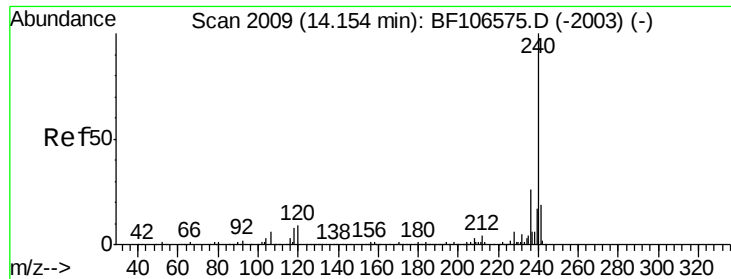


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107077.D

Acq: 3 Jul 2018 12:56

Instrument :

BNA_F

ClientSampleId :

A0C3-01

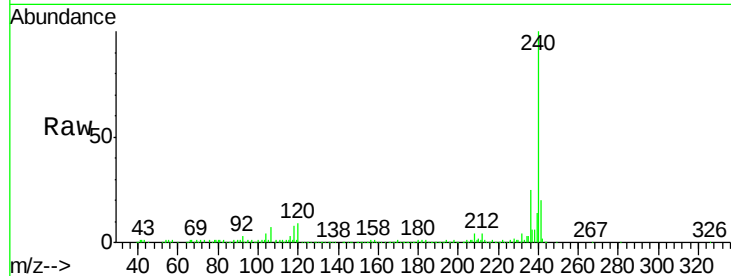
Tgt Ion:240 Resp: 177458

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

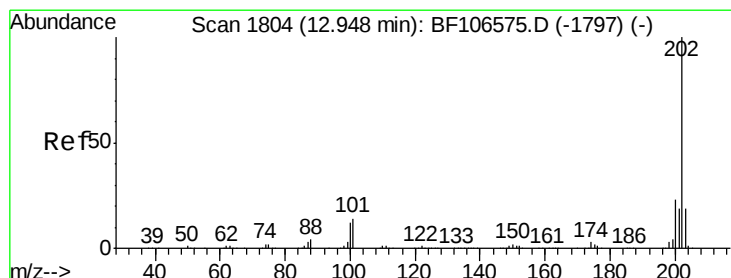
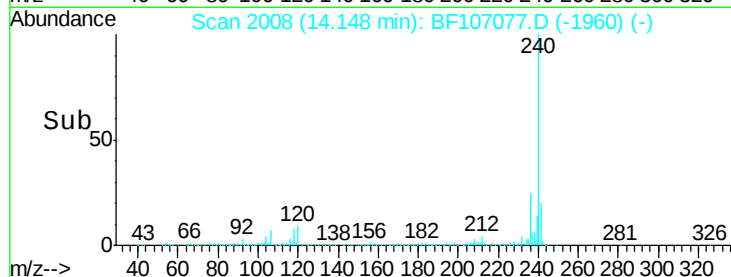
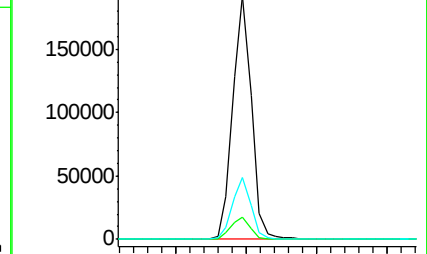
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.112 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

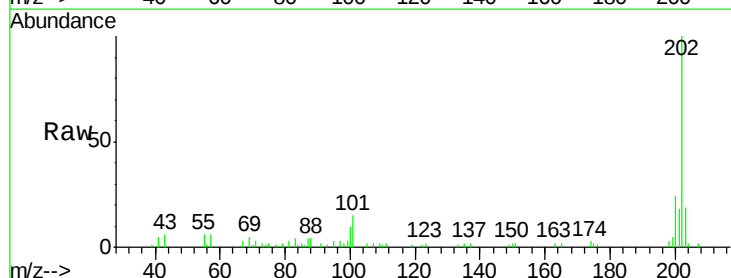
Tgt Ion:202 Resp: 24716

Ion Ratio Lower Upper

202 100

200 24.0 17.4 26.2

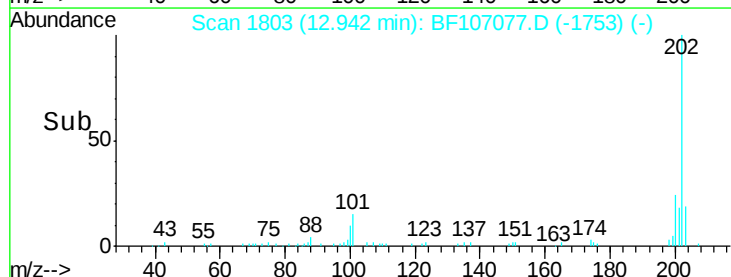
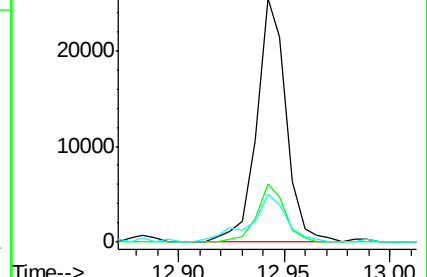
203 19.4 14.3 21.5



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

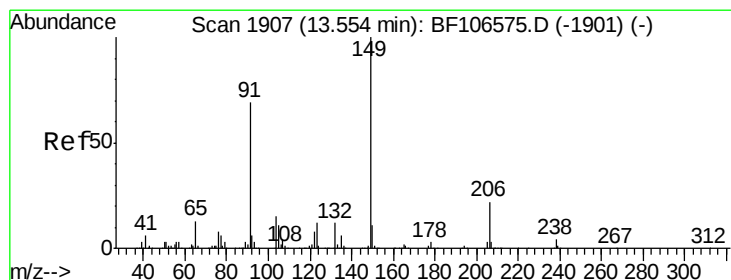
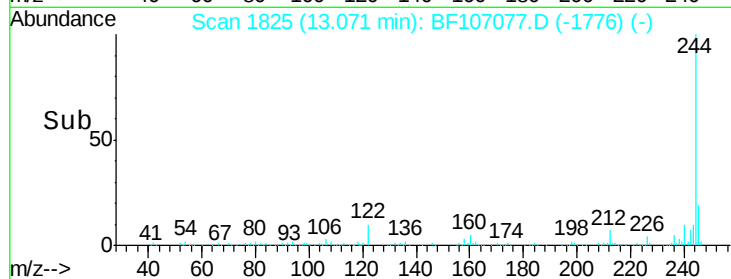
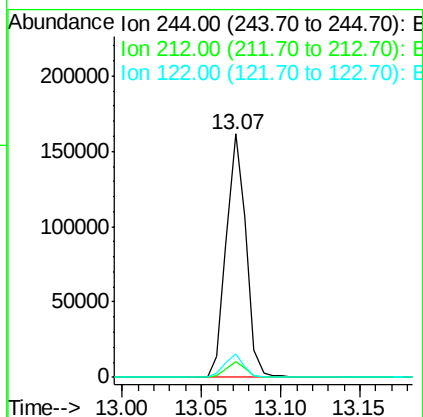
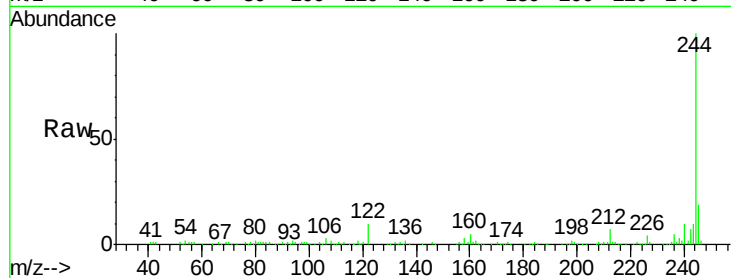




#78
 Terphenyl-d14
 Concen: 19.062 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

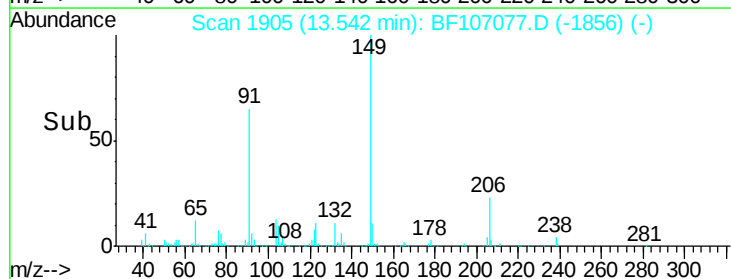
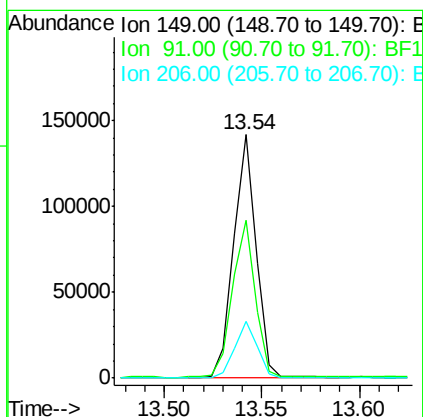
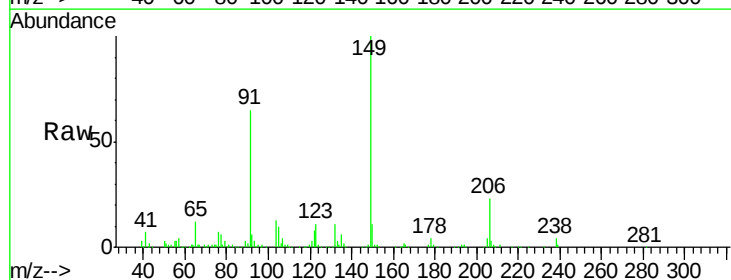
Instrument :
 BNA_F
 ClientSampleId :
 A0C3-01

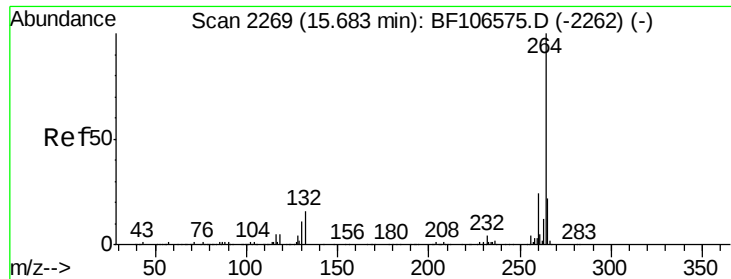
Tgt Ion: 244 Resp: 139646
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.7 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 23.386 ng
 RT: 13.54 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF107077.D
 Acq: 3 Jul 2018 12:56

Tgt Ion: 149 Resp: 112520
 Ion Ratio Lower Upper
 149 100
 91 65.0 56.8 85.2
 206 23.2 14.1 21.1#

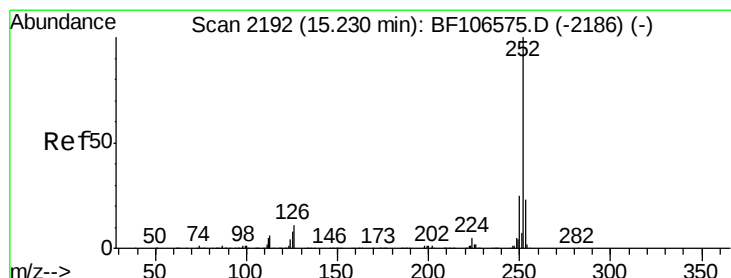
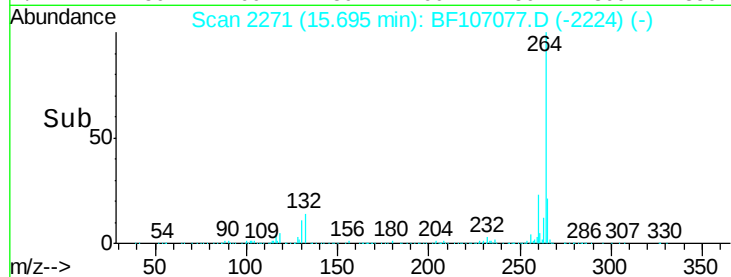
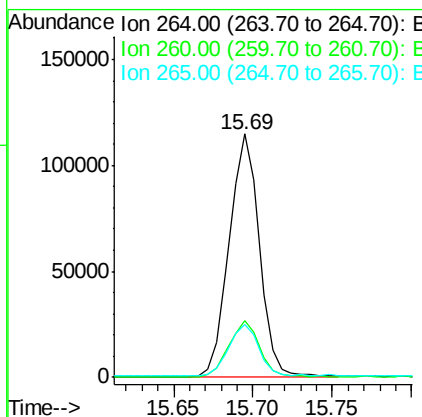
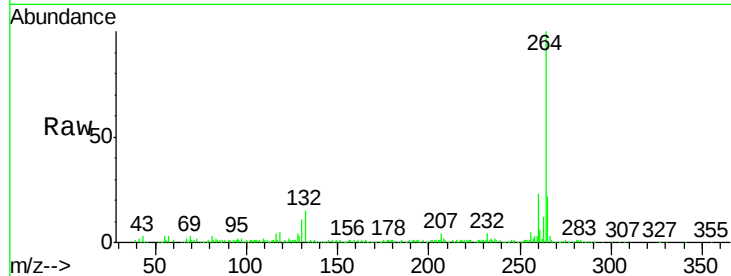




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

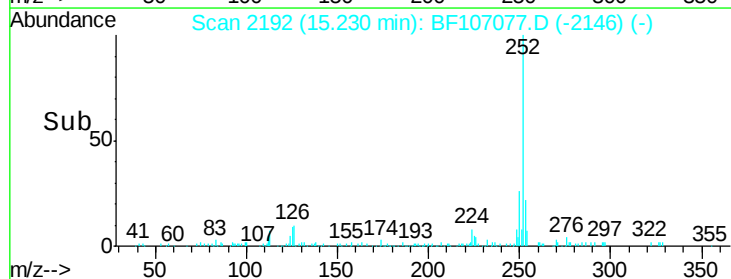
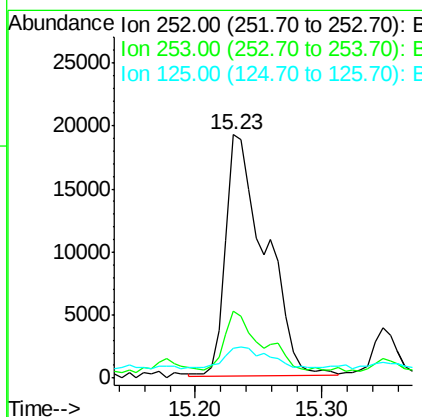
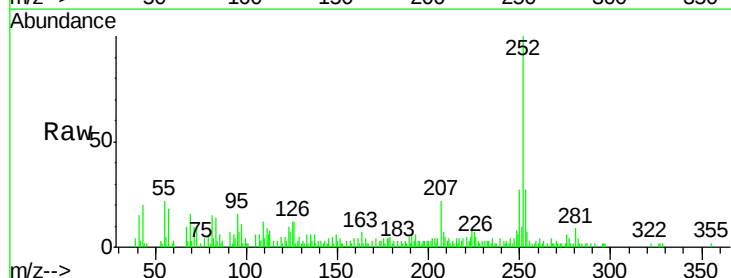
Instrument :
BNA_F
ClientSampleId :
A0C3-01

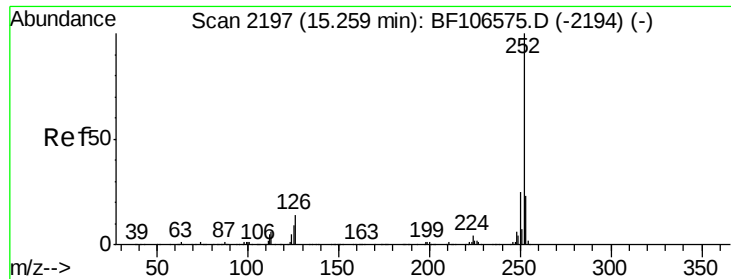
Tgt Ion:264 Resp: 152850
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.381 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

Tgt Ion:252 Resp: 41596
Ion Ratio Lower Upper
252 100
253 27.3 17.0 25.6#
125 12.4 9.0 13.6

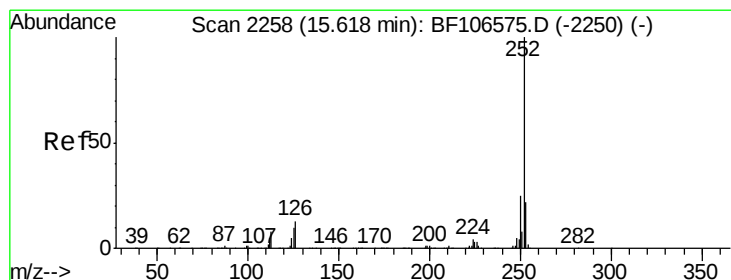
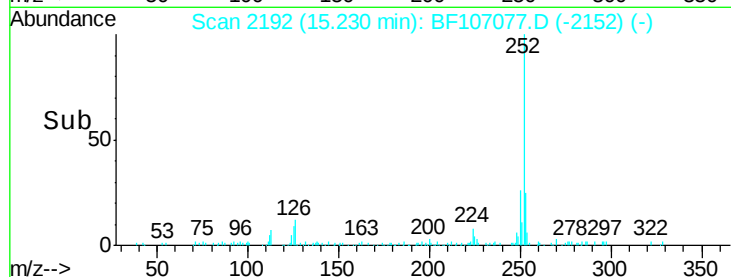
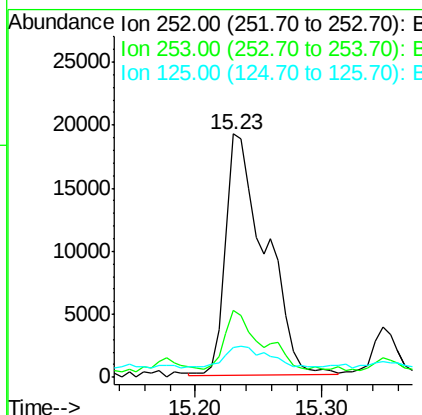
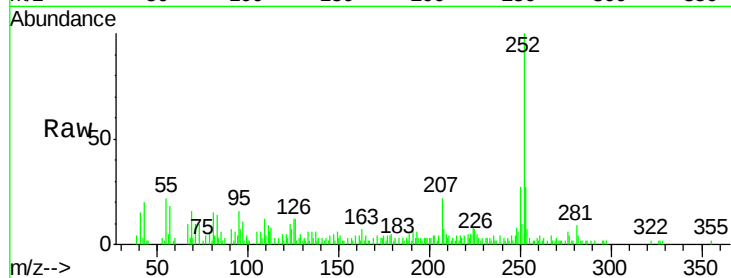




#88
Benzo(k)fluoranthene
Concen: 4.600 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

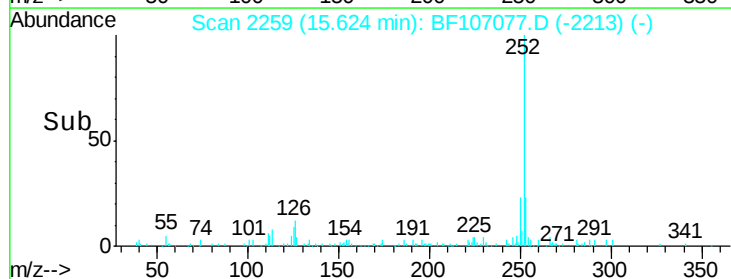
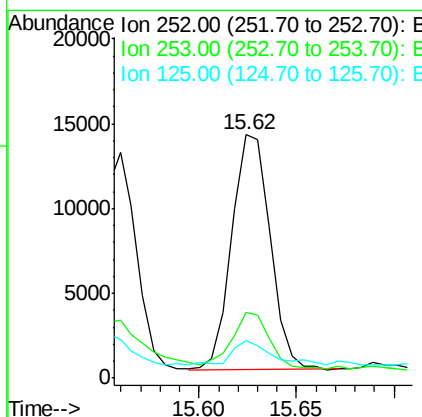
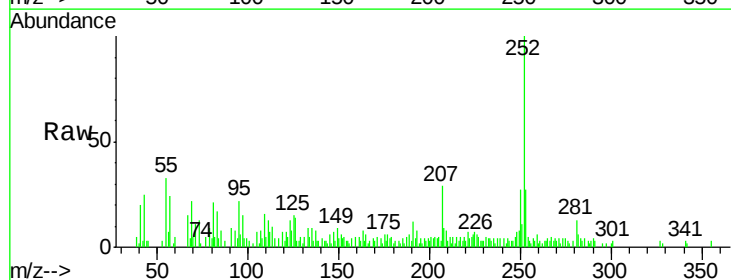
Instrument :
BNA_F
ClientSampleId :
A0C3-01

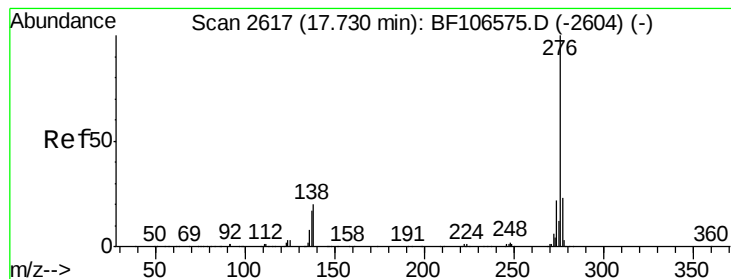
Tgt Ion:252 Resp: 41596
Ion Ratio Lower Upper
252 100
253 27.3 17.9 26.9#
125 12.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.251 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107077.D
Acq: 3 Jul 2018 12:56

Tgt Ion:252 Resp: 19001
Ion Ratio Lower Upper
252 100
253 27.2 17.1 25.7#
125 15.2 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.354 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF107077.D

Acq: 3 Jul 2018 12:56

Instrument :

BNA_F

ClientSampleId :

A0C3-01

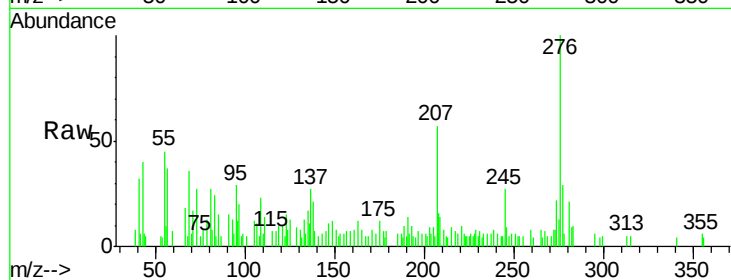
Tgt Ion: 276 Resp: 16458

Ion Ratio Lower Upper

276 100

277 29.0 17.9 26.9#

138 20.6 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

