

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
 Data File : BF107042.D
 Acq On : 2 Jul 2018 14:13
 Operator : JU/SJ
 Sample : J3774-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(2-4)

Quant Time: Jul 02 15:09:40 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	63632	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	235018	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	112040	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	206061	20.00	ng	0.00
75) Chrysene-d12	14.15	240	183590	20.00	ng	-0.01
86) Perylene-d12	15.71	264	149337	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	359625	95.70	ng	0.00
7) Phenol-d6	6.60	99	454191	96.78	ng	-0.01
23) Nitrobenzene-d5	7.52	82	280757	66.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	137026	105.52	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	550512	82.78	ng	-0.01
78) Terphenyl-d14	13.08	244	576694	76.09	ng	0.00

Target Compounds

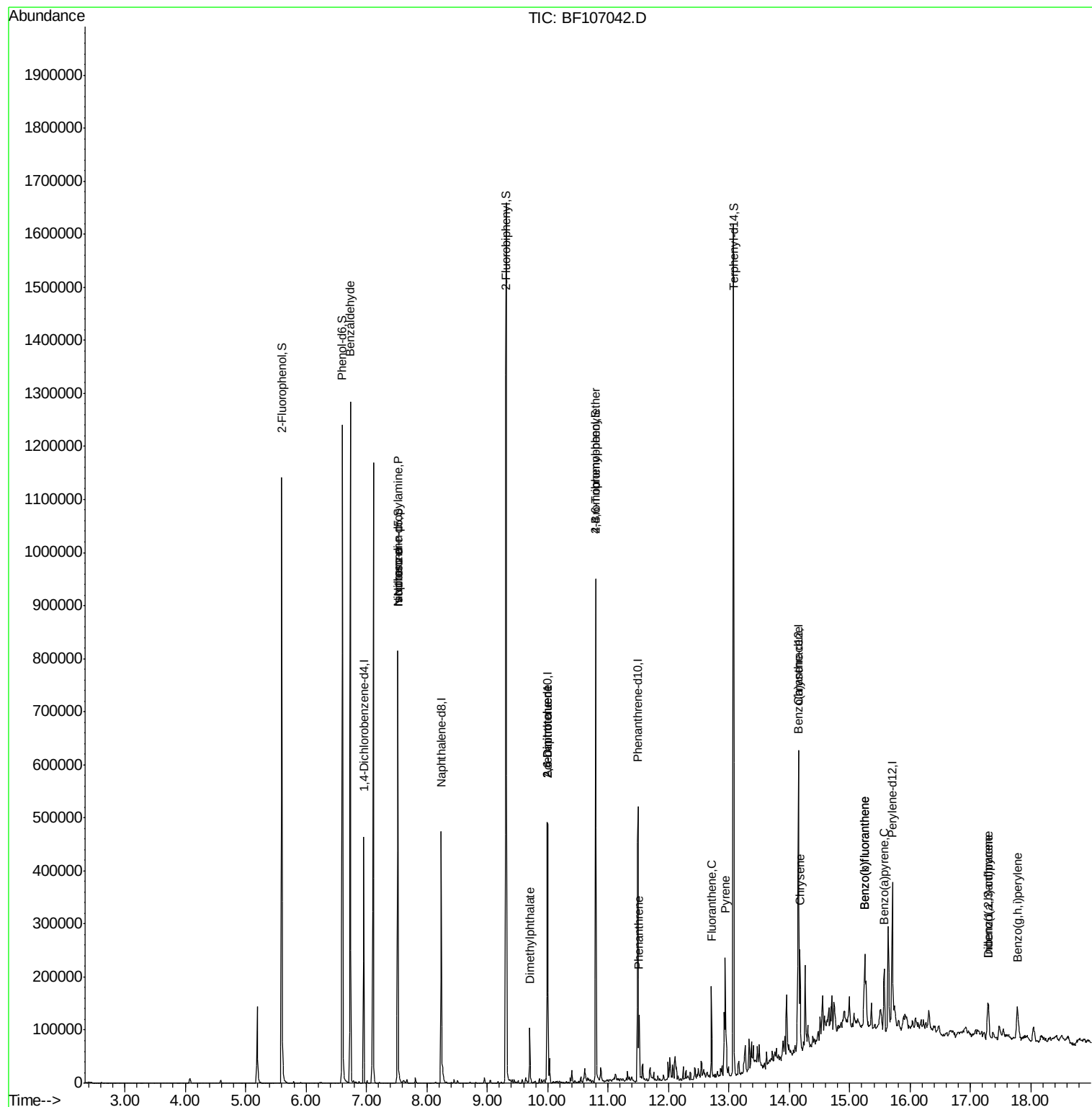
						Qvalue
9) Benzaldehyde	6.73	77	8120	2.064	ng	82
19) n-Nitroso-di-n-propylamine	7.52	70	36503	11.800	ng	# 75
25) Isophorone	7.52	82	280754	37.675	ng	# 64
49) Dimethylphthalate	9.70	163	48411	5.761	ng	97
50) 2,6-Dinitrotoluene	10.00	165	14143	7.948	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	14143	6.089	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	8340	3.391	ng	# 1
70) Phenanthrene	11.52	178	50181	5.049	ng	99
74) Fluoranthene	12.71	202	66606	6.080	ng	96
77) Pyrene	12.94	202	110867	9.158	ng	98
80) Benzo(a)anthracene	14.14	228	80918	7.232	ng	97
82) Chrysene	14.18	228	68348	6.640	ng	100
85) Indeno(1,2,3-cd)pyrene	17.29	276	45916	5.256	ng	# 86
87) Benzo(b)fluoranthene	15.25	252	116459	12.554	ng	98
88) Benzo(k)fluoranthene	15.25	252	116459	13.183	ng	98
89) Benzo(a)pyrene	15.57	252	56366	6.835	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	15218	2.177	ng	94
91) Benzo(g,h,i)perylene	17.77	276	51904	7.598	ng	# 89

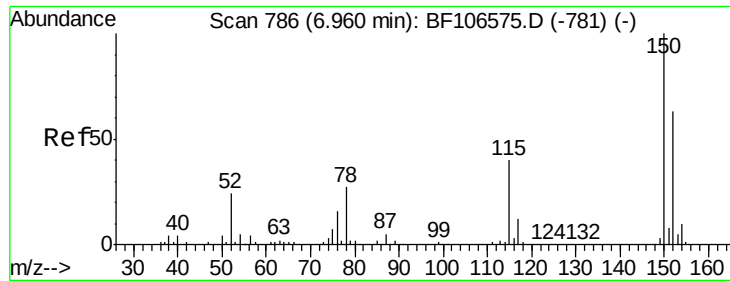
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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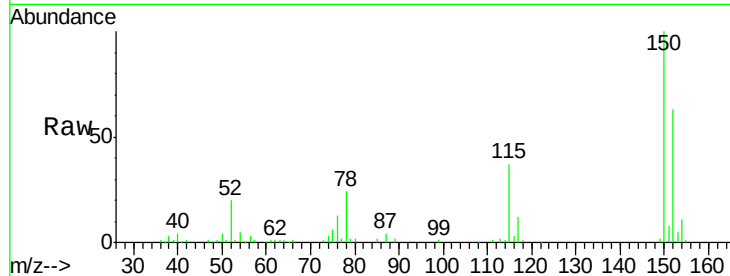




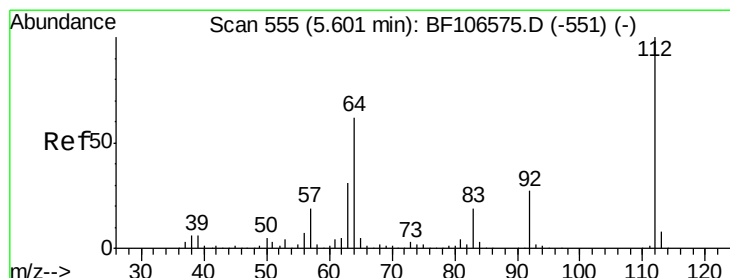
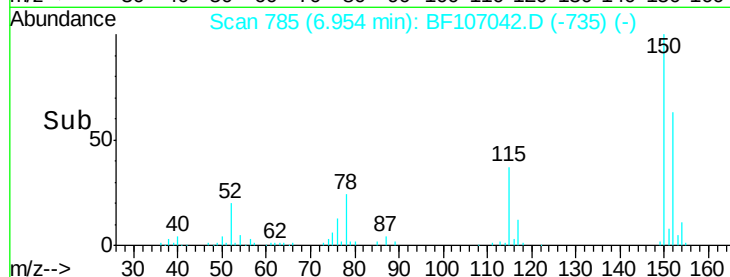
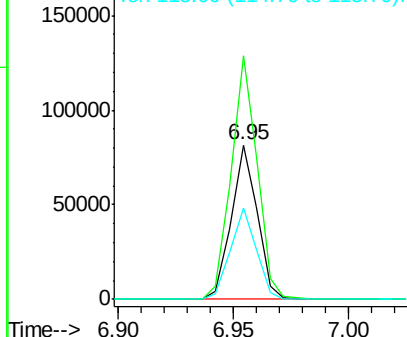
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(2-4)

Tgt Ion:152 Resp: 63632
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.6 186.8
 115 59.0 50.1 75.1

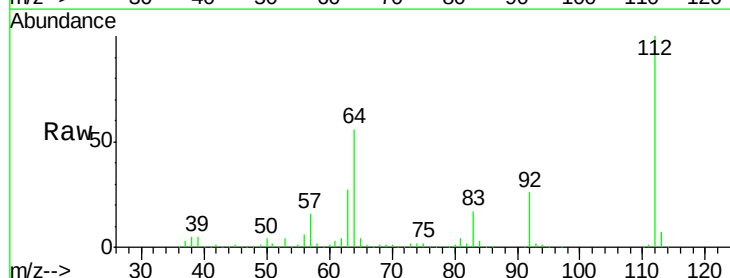


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

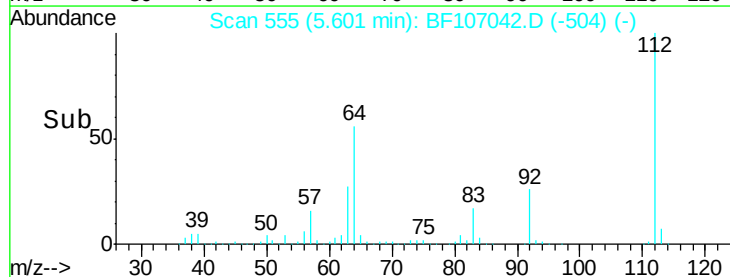
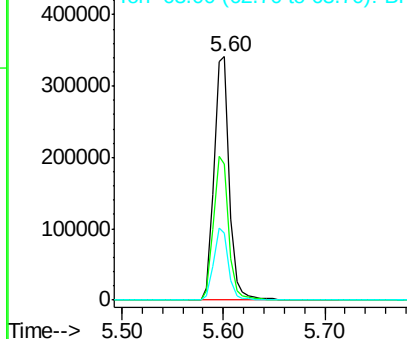


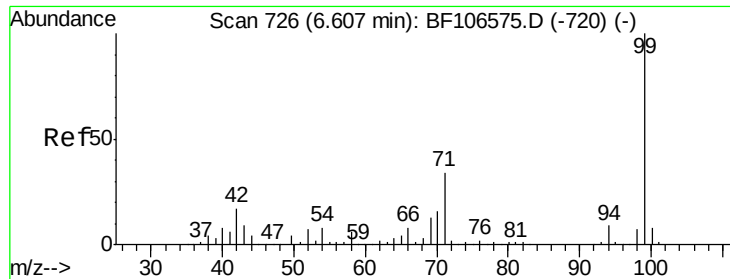
#5
 2-Fluorophenol
 Concen: 95.700 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Tgt Ion:112 Resp: 359625
 Ion Ratio Lower Upper
 112 100
 64 56.0 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: 96.785 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

Instrument :

BNA_F

ClientSampleId :

SB-6(2-4)

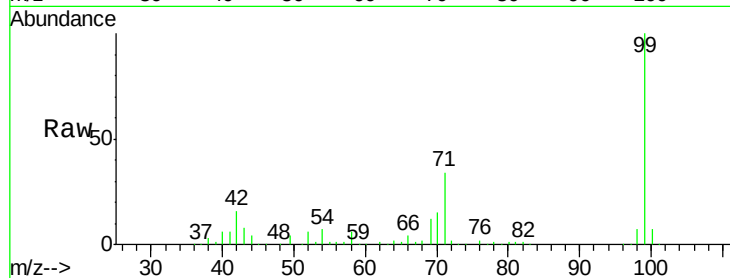
Tgt Ion: 99 Resp: 454191

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

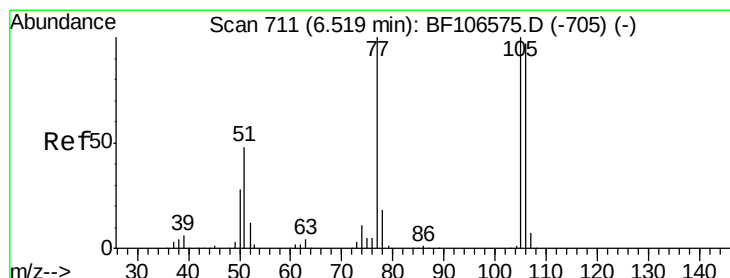
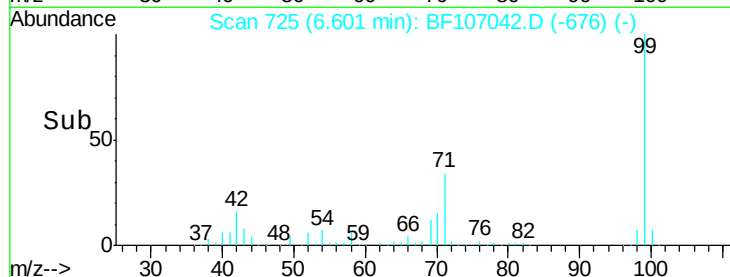
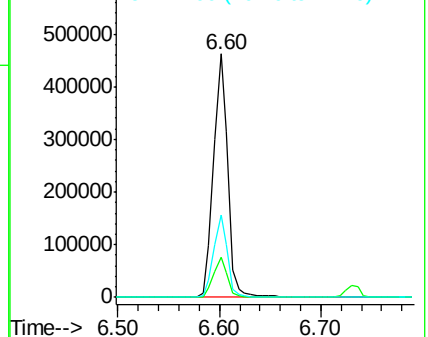
71 33.6 25.4 38.0



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: 2.064 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

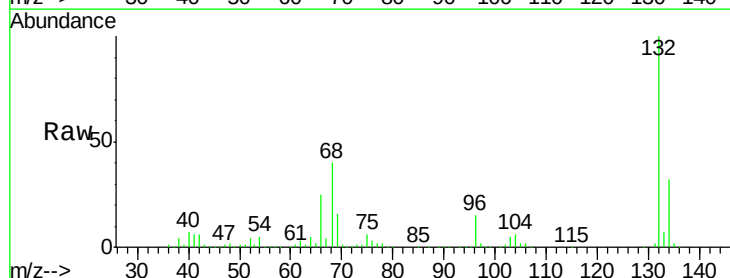
Tgt Ion: 77 Resp: 8120

Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

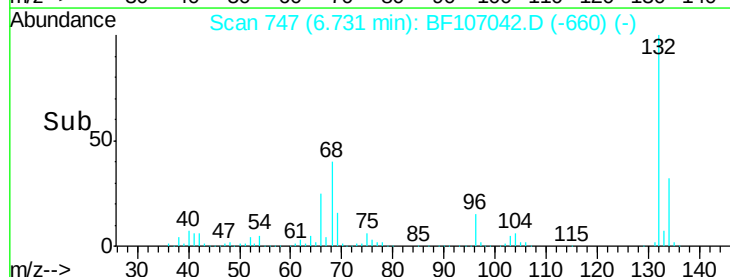
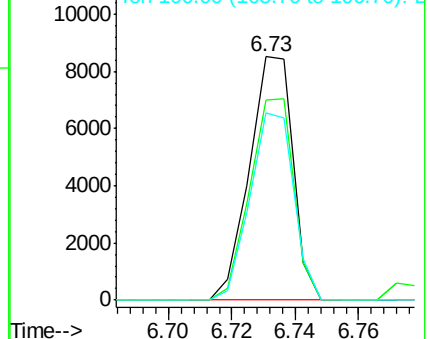
106 77.0 74.5 114.5

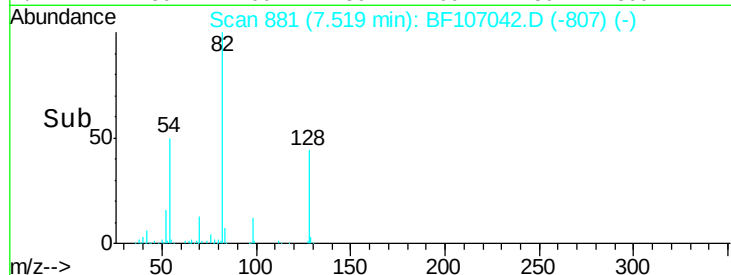
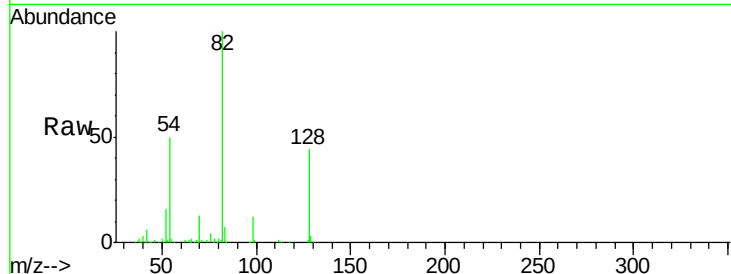
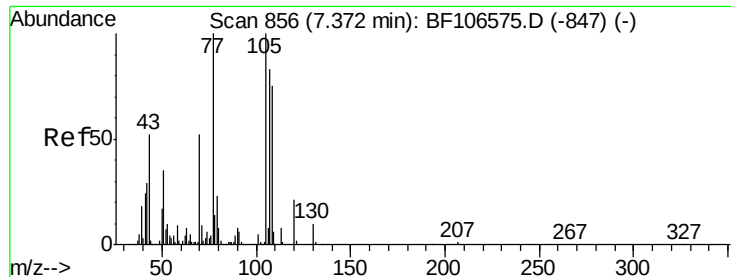


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

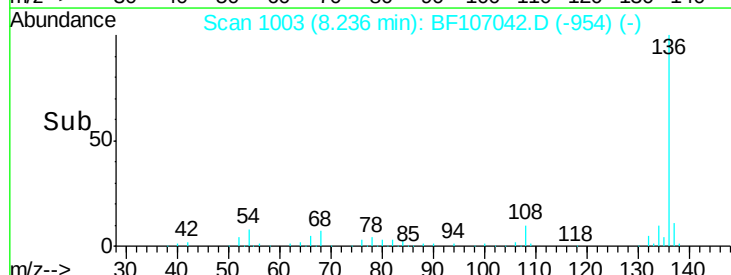
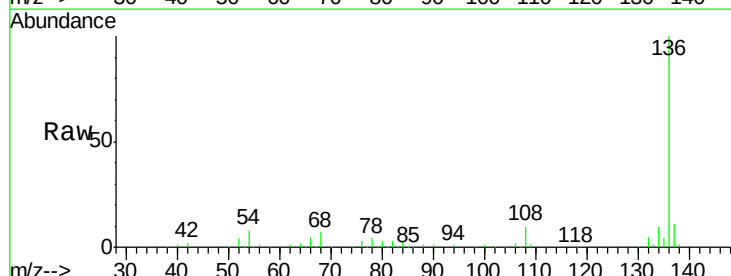
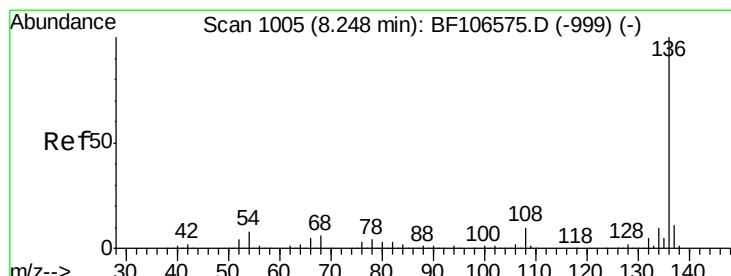
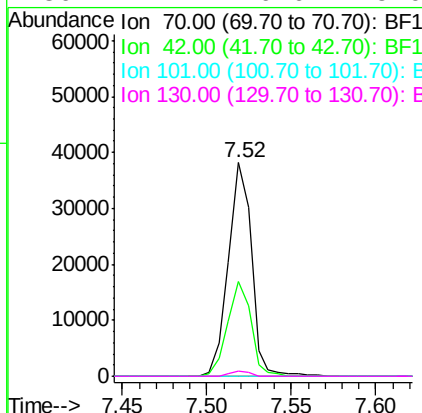




#19
n-Nitroso-di-n-propylamine
Concen: 11.800 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

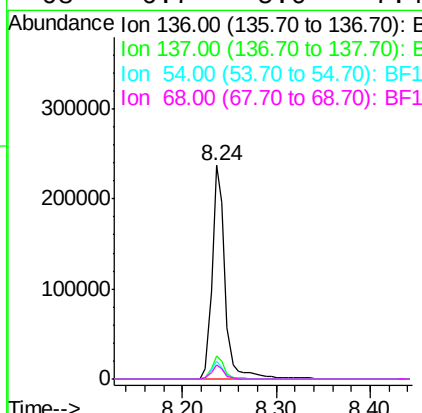
Instrument :
BNA_F
ClientSampleId :
SB-6(2-4)

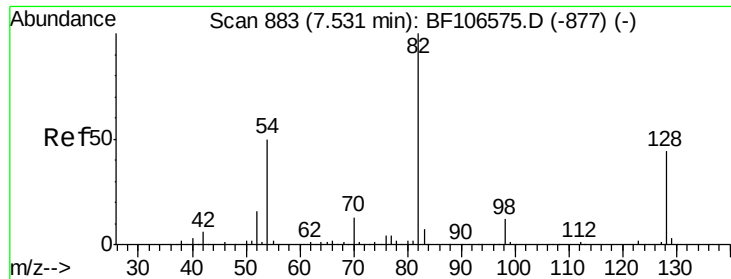
Tgt Ion: 70 Resp: 36503
Ion Ratio Lower Upper
70 100
42 44.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Tgt Ion: 136 Resp: 235018
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 6.6 9.8
68 6.7 5.0 7.4

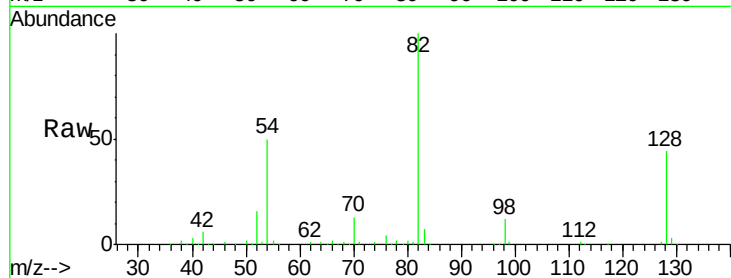




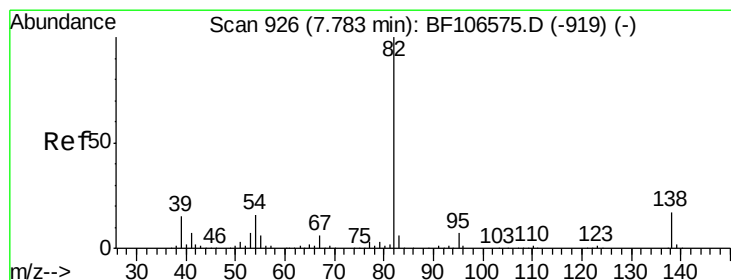
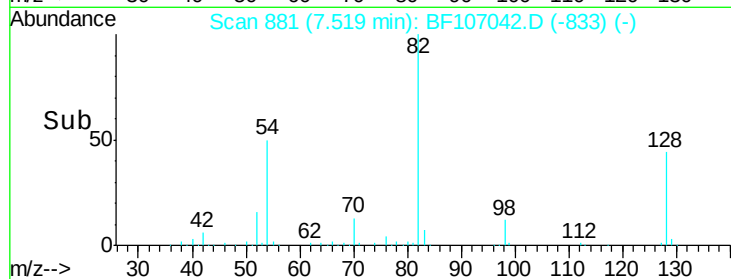
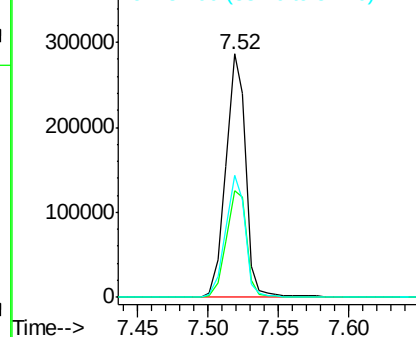
#23
 Nitrobenzene-d5
 Concen: 66.389 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(2-4)

Tgt Ion: 82 Resp: 280757
 Ion Ratio Lower Upper
 82 100
 128 43.9 36.1 54.1
 54 49.9 41.4 62.2

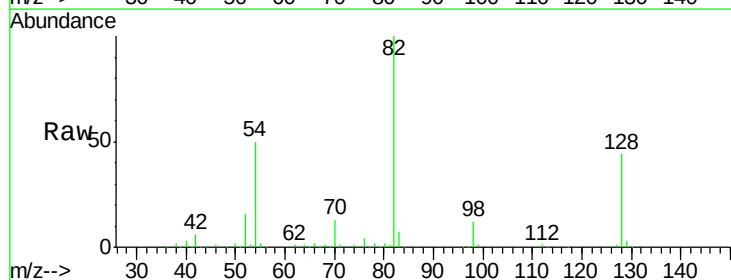


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

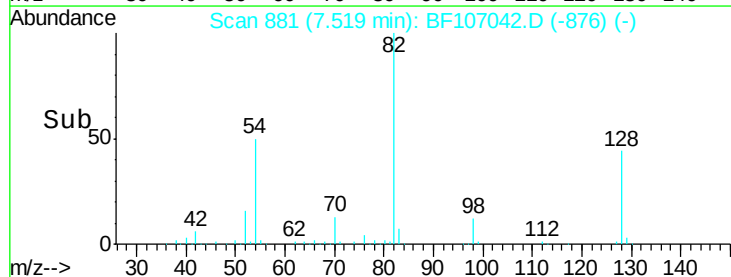
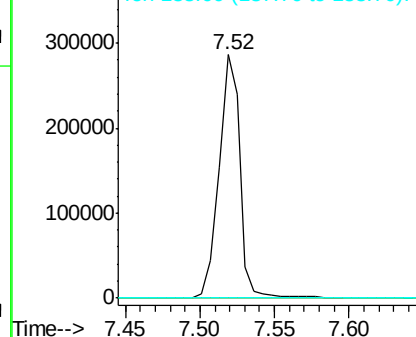


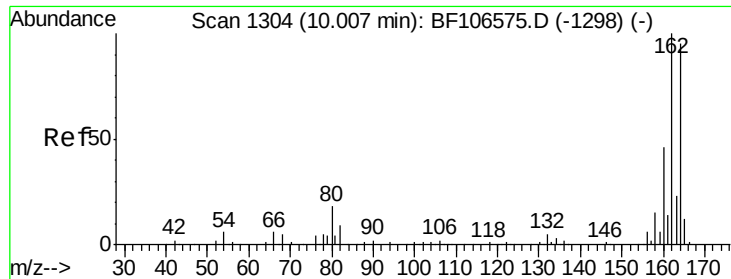
#25
 Isophorone
 Concen: 37.675 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Tgt Ion: 82 Resp: 280754
 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: BF107042.D

Acq: 2 Jul 2018 14:13

Instrument :

BNA_F

ClientSampleId :

SB-6(2-4)

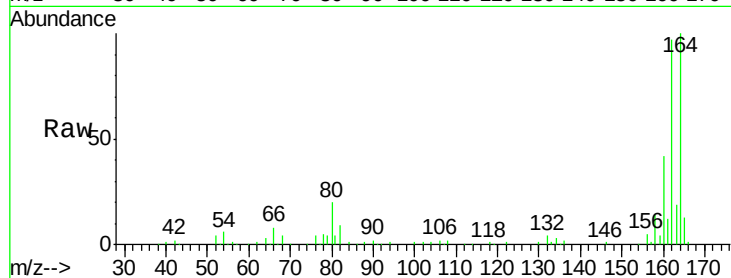
Tgt Ion:164 Resp: 112040

Ion Ratio Lower Upper

164 100

162 97.0 86.1 129.1

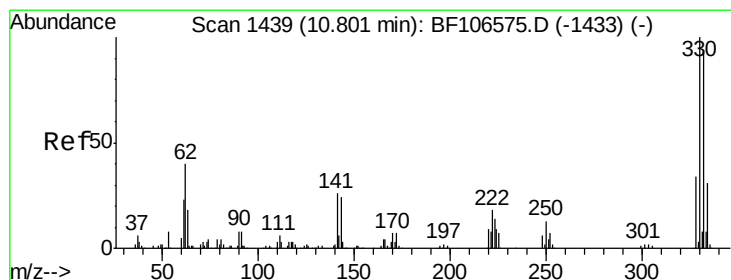
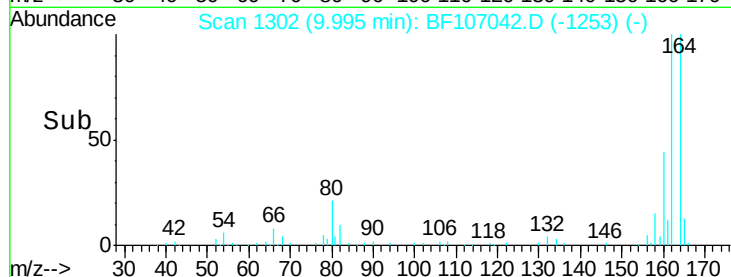
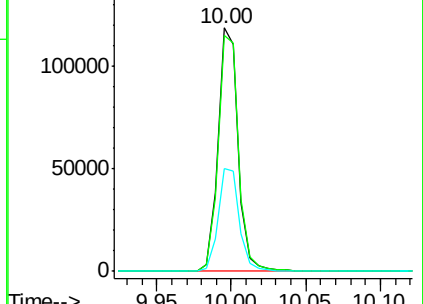
160 42.3 38.3 57.5



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: 105.520 ng

RT: 10.79 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

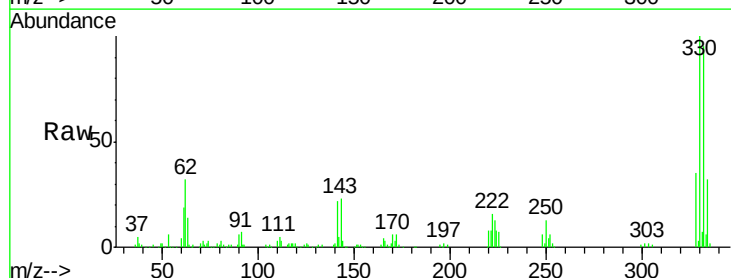
Tgt Ion:330 Resp: 137026

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

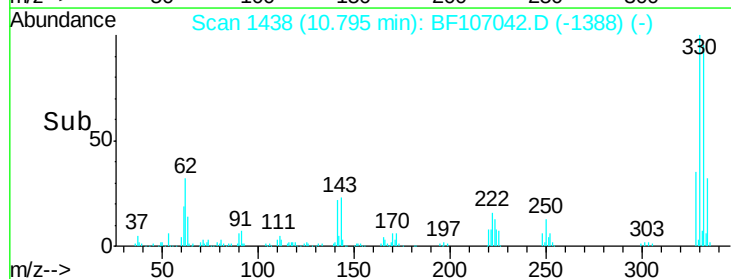
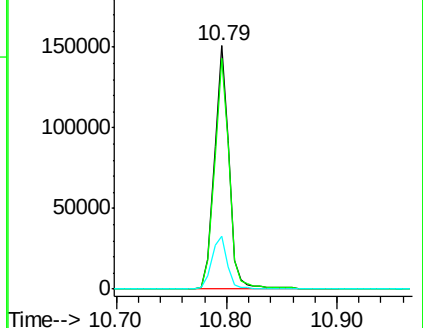
141 23.0 29.9 44.9#

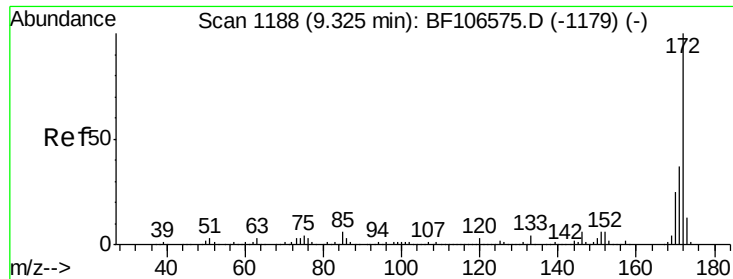


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

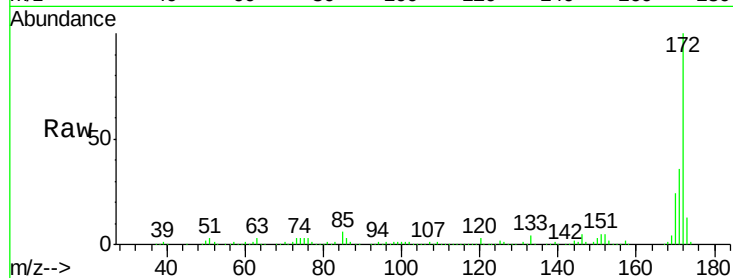




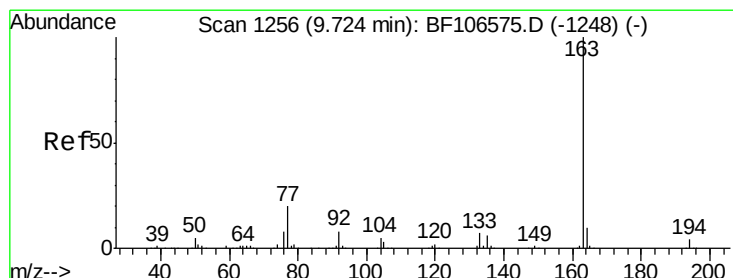
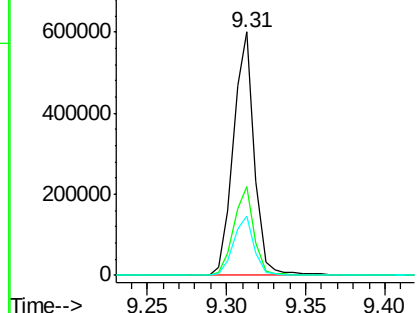
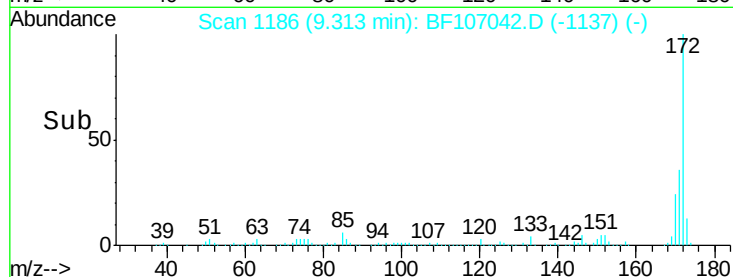
#44
 2-Fluorobiphenyl
 Concen: 82.783 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Instrument :
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Tgt Ion:172 Resp: 550512
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 19.6 29.4

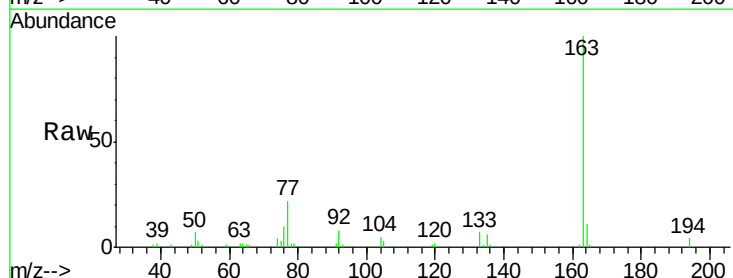


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

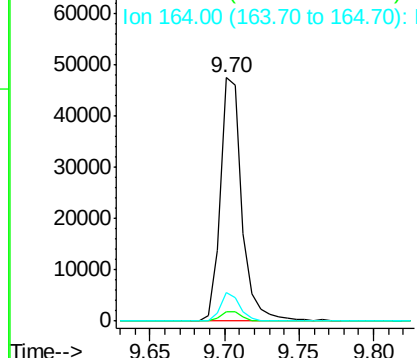
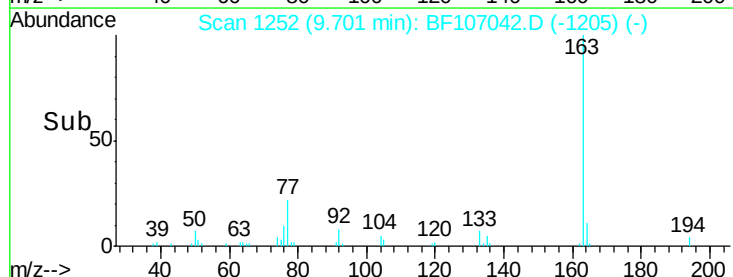


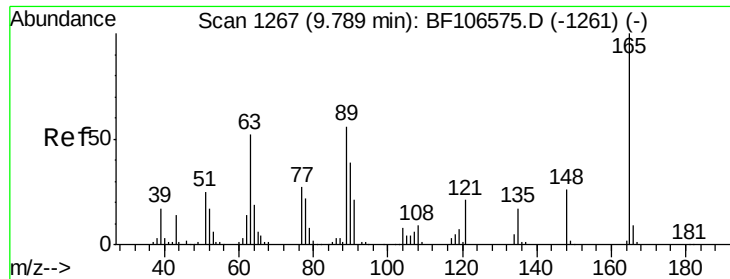
#49
 Dimethylphthalate
 Concen: 5.761 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Tgt Ion:163 Resp: 48411
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 11.5 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

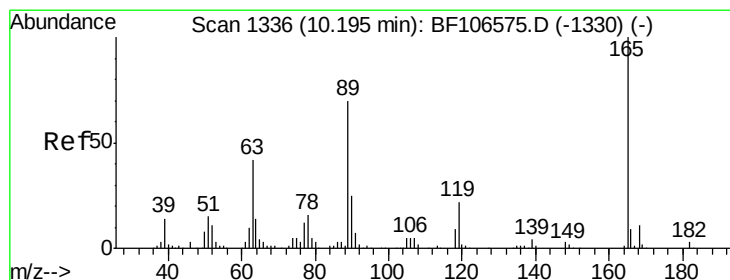
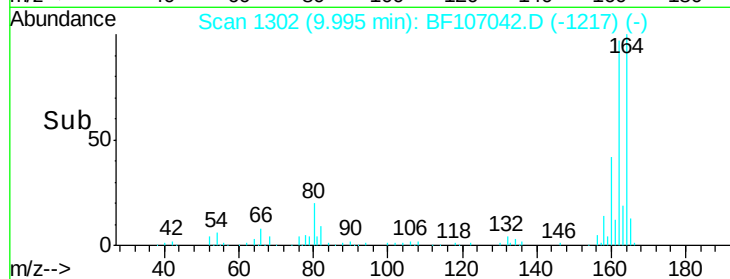
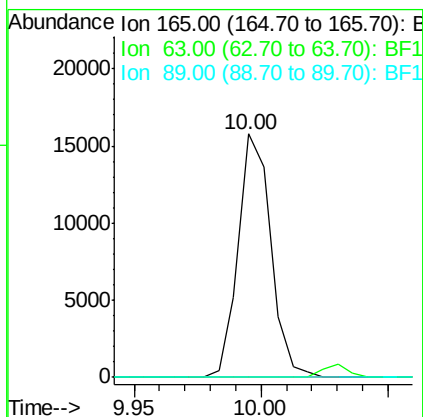
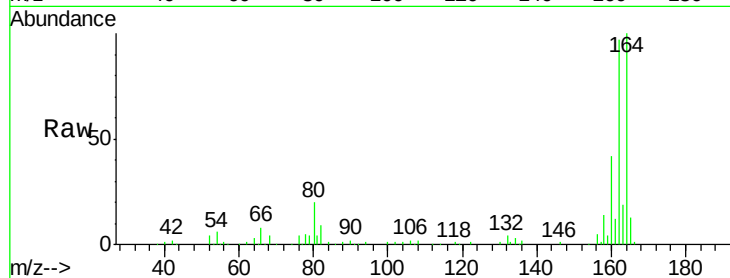




#50
 2,6-Dinitrotoluene
 Concen: 7.948 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

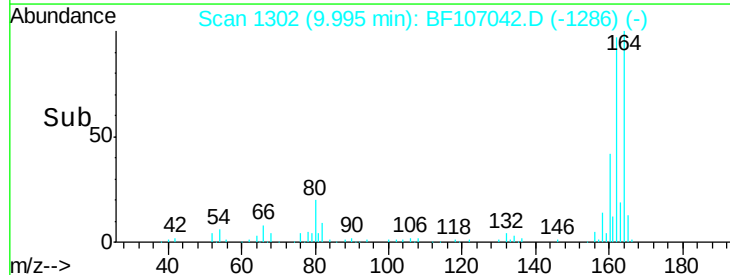
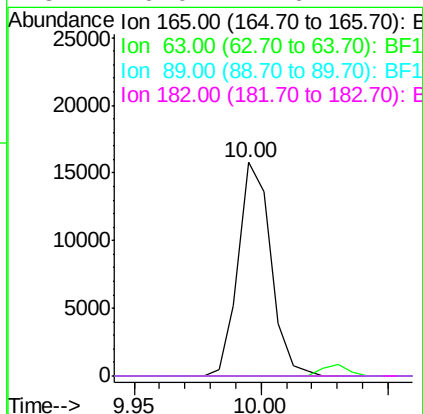
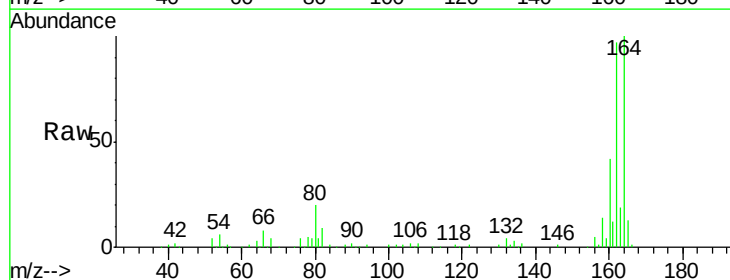
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(2-4)

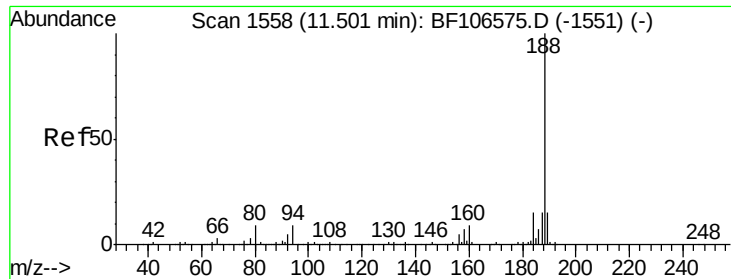
Tgt Ion:165 Resp: 14143
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.089 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Tgt Ion:165 Resp: 14143
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

Instrument :

BNA_F

ClientSampleId :

SB-6(2-4)

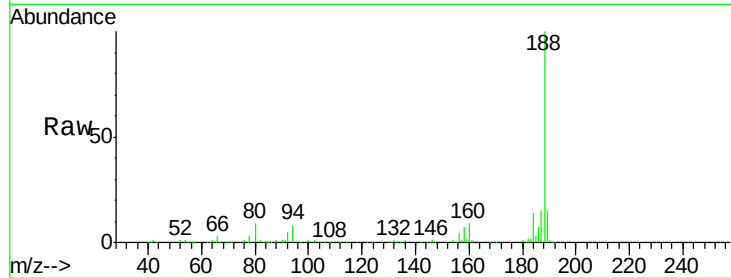
Tgt Ion:188 Resp: 206061

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

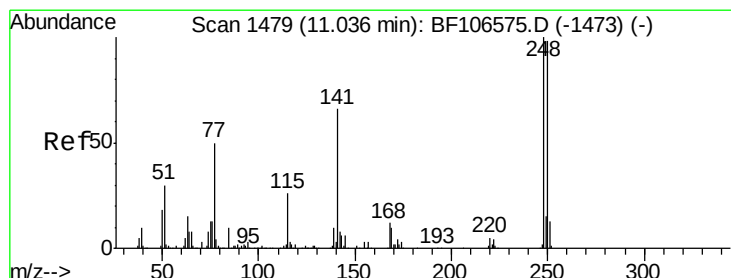
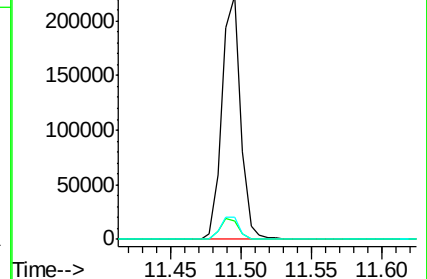
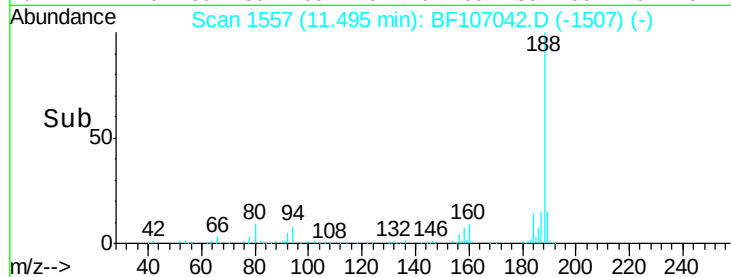
80 8.9 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.391 ng

RT: 10.79 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

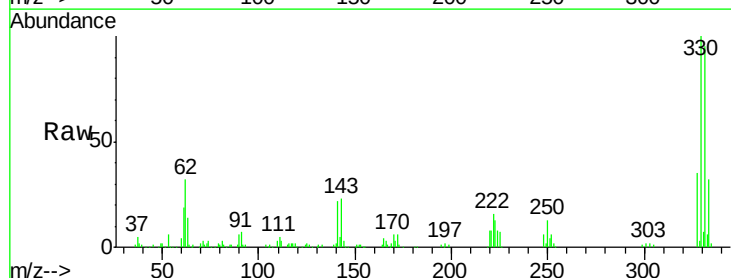
Tgt Ion:248 Resp: 8340

Ion Ratio Lower Upper

248 100

250 207.2 76.9 115.3#

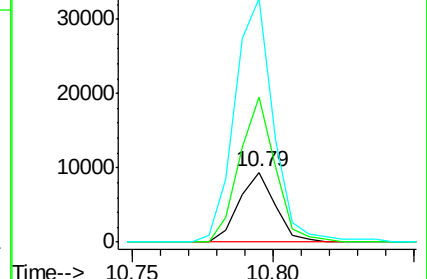
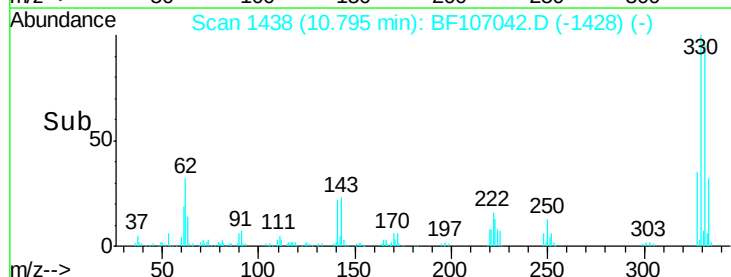
141 348.9 74.4 111.6#

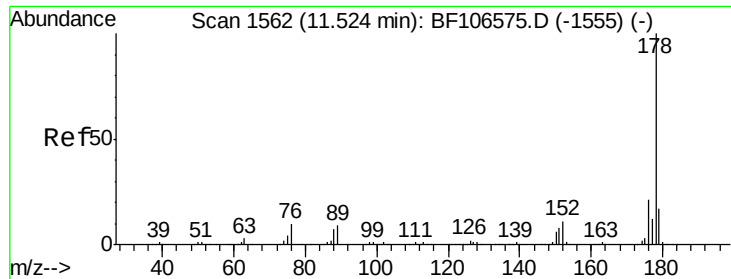


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

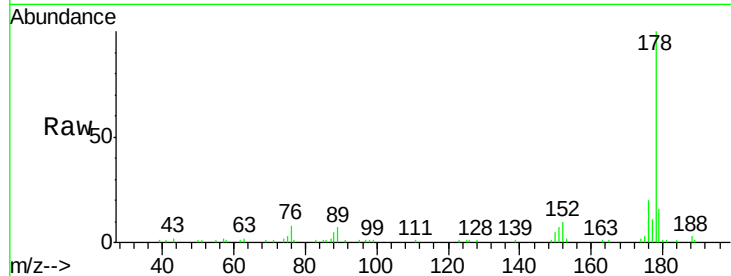




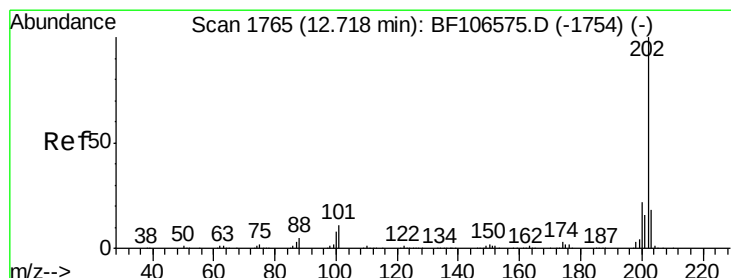
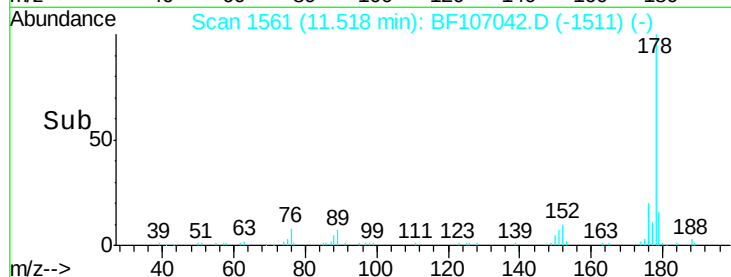
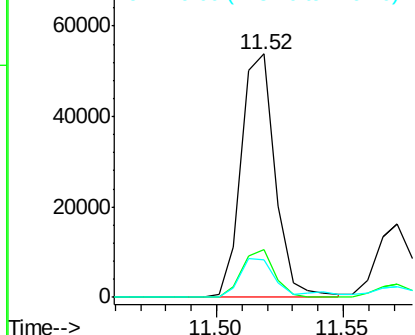
#70
Phenanthrene
Concen: 5.049 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Instrument :
BNA_F
ClientSampleId :
SB-6(2-4)

Tgt Ion:178 Resp: 50181
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 13.0 19.6

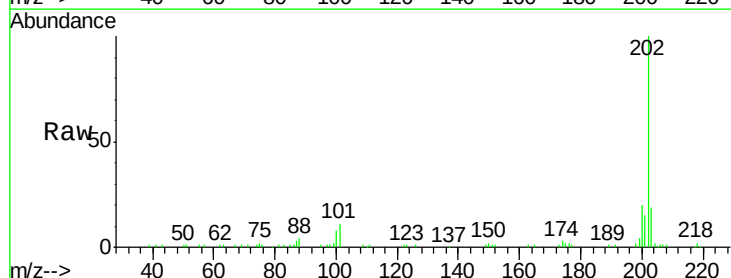


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

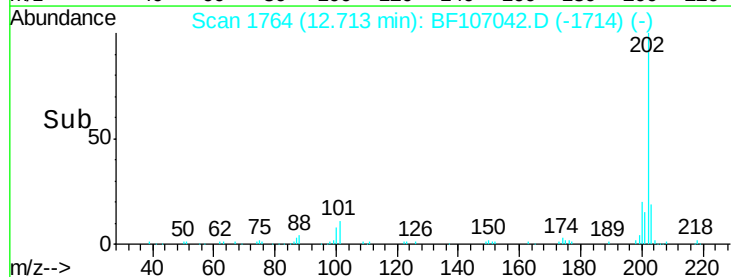
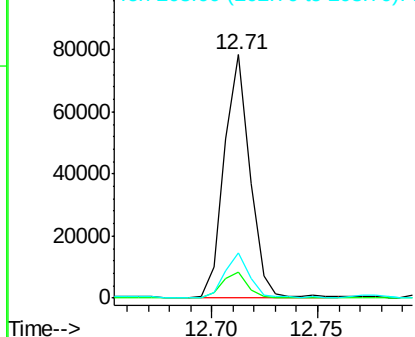


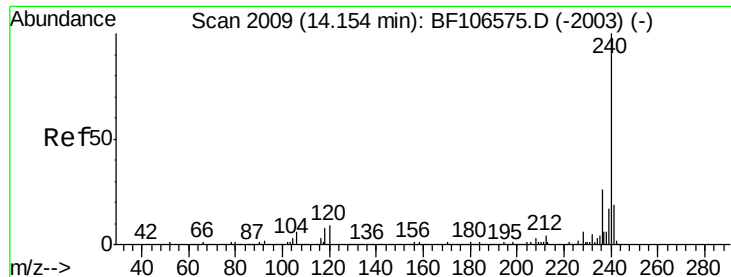
#74
Fluoranthene
Concen: 6.080 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Tgt Ion:202 Resp: 66606
Ion Ratio Lower Upper
202 100
101 10.9 0.0 34.1
203 18.6 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# 2009

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

Instrument :

BNA_F

ClientSampled :

SB-6(2-4)

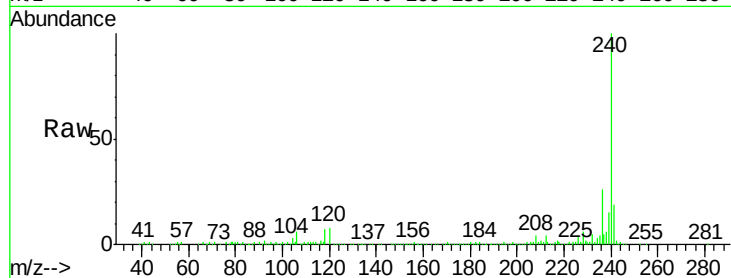
Tgt Ion:240 Resp: 183590

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

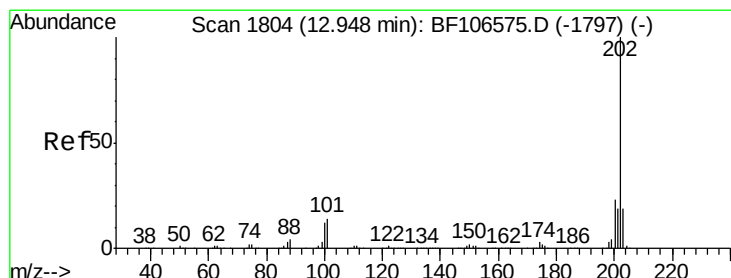
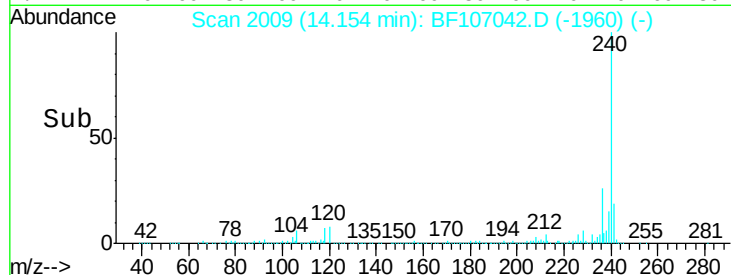
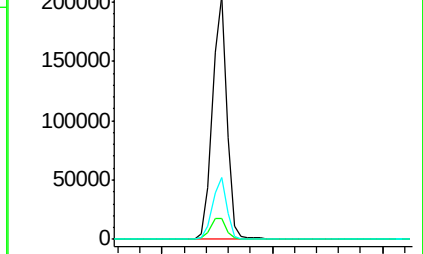
236 25.7 20.7 31.1



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: 9.158 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

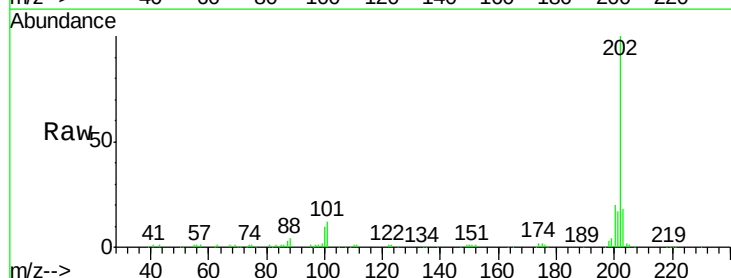
Tgt Ion:202 Resp: 110867

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

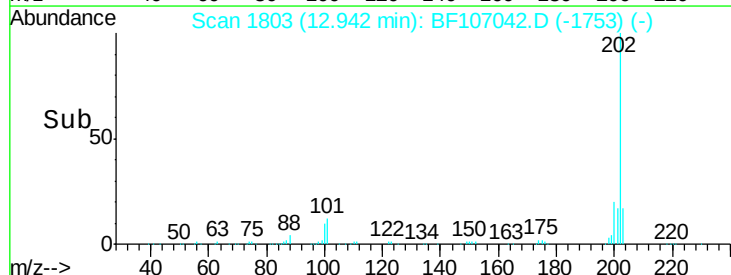
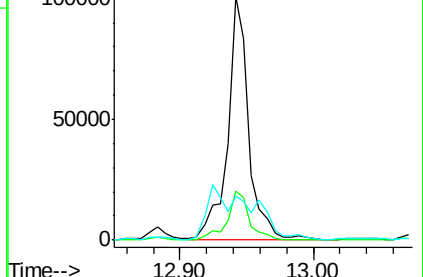
203 18.0 14.3 21.5

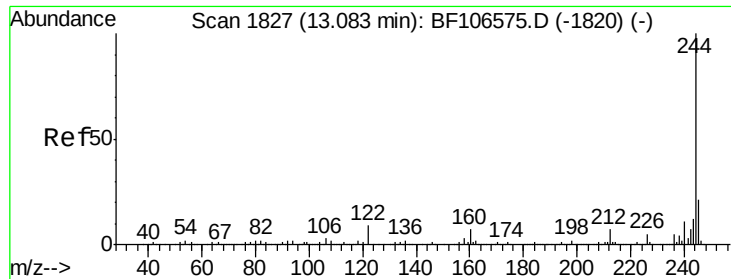


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

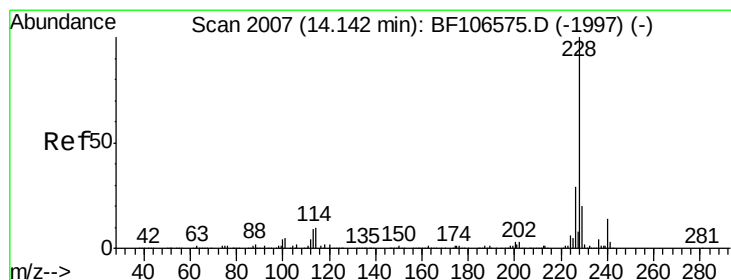
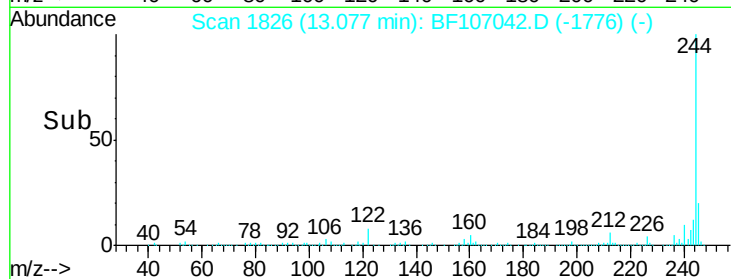
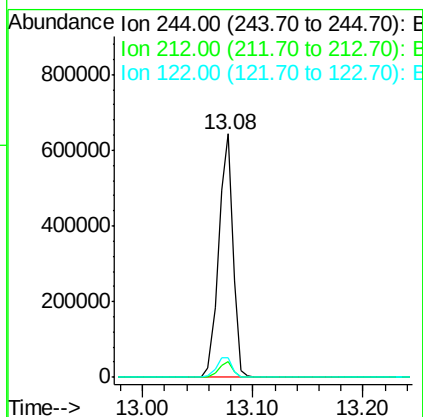
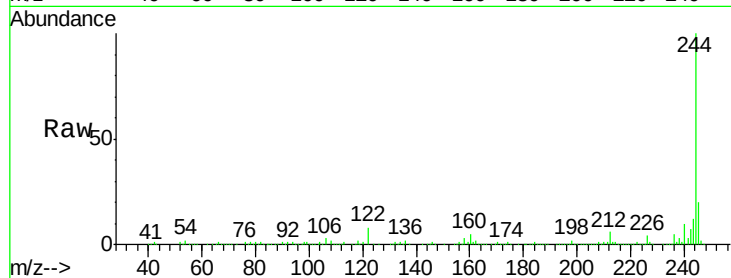




#78
 Terphenyl-d14
 Concen: 76.089 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

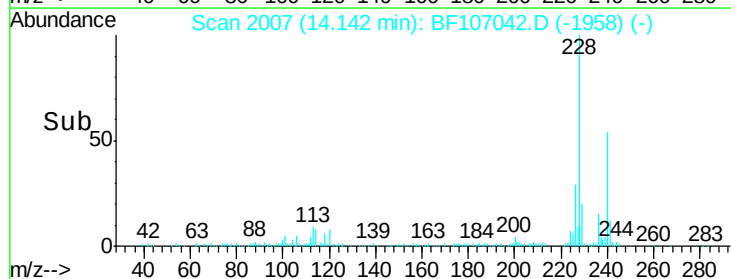
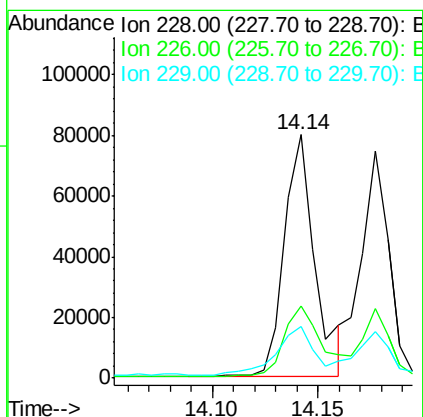
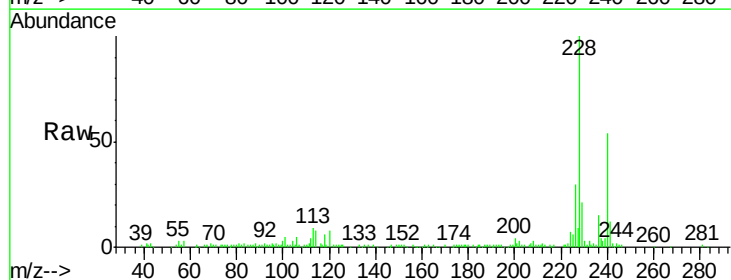
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(2-4)

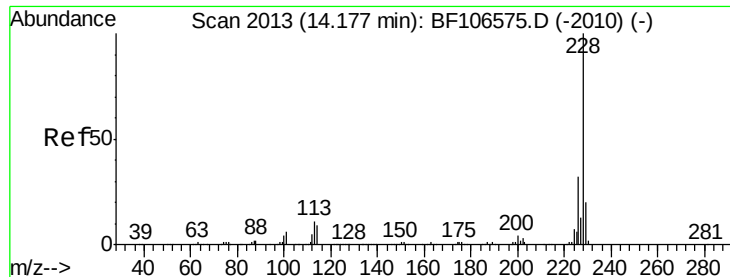
Tgt Ion:244 Resp: 576694
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.232 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107042.D
 Acq: 2 Jul 2018 14:13

Tgt Ion:228 Resp: 80918
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 21.1 15.8 23.6

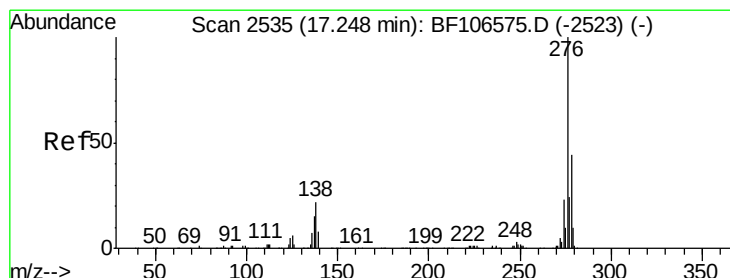
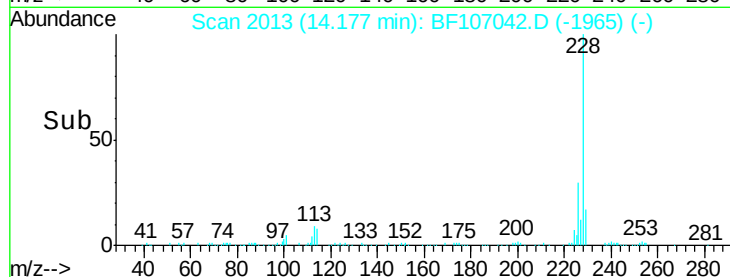
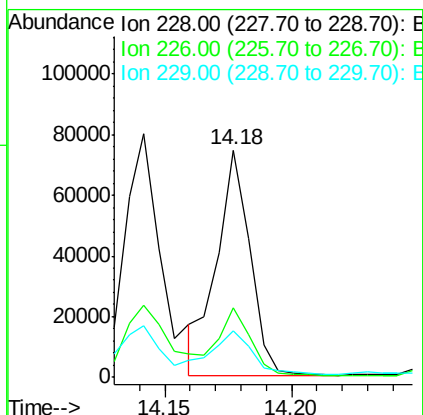
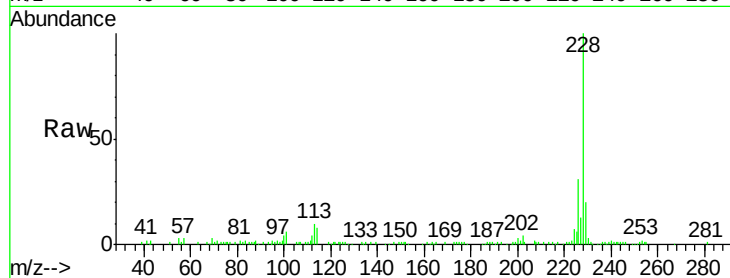




#82
Chrysene
Concen: 6.640 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

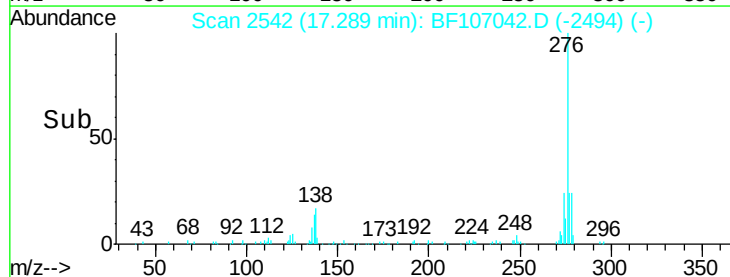
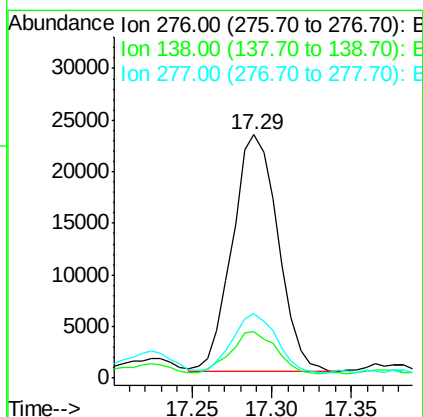
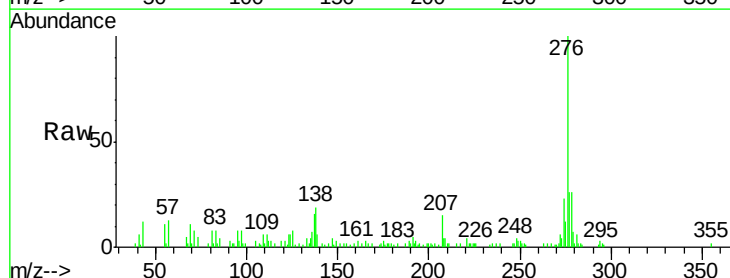
Instrument :
BNA_F
ClientSampleId :
SB-6(2-4)

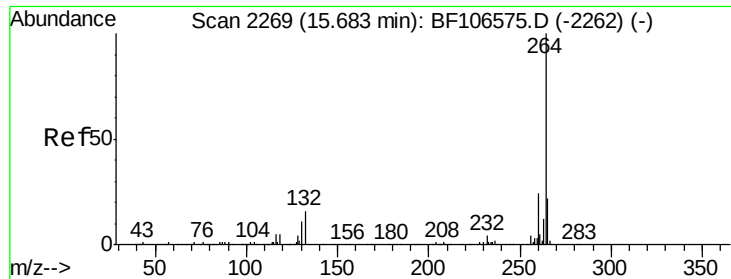
Tgt Ion:228 Resp: 68348
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 20.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.256 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Tgt Ion:276 Resp: 45916
Ion Ratio Lower Upper
276 100
138 18.2 25.0 37.6#
277 23.7 20.1 30.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

Instrument :

BNA_F

ClientSampled :

SB-6(2-4)

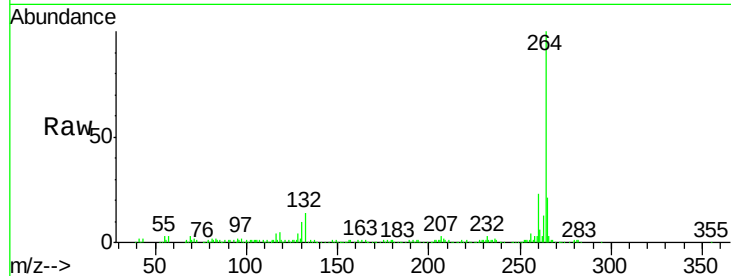
Tgt Ion:264 Resp: 149337

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

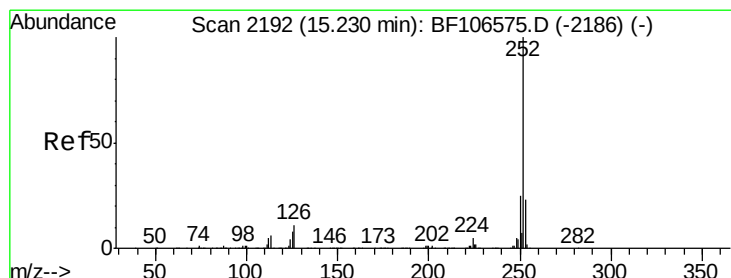
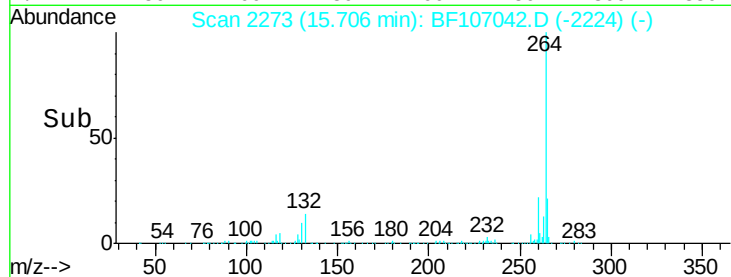
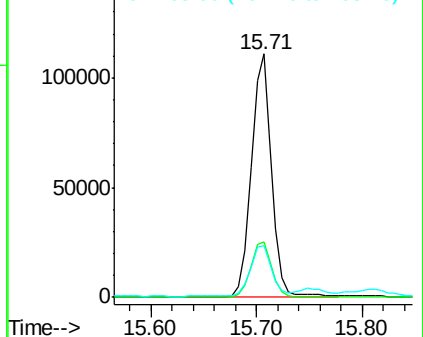
265 21.4 17.5 26.3



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: 12.554 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107042.D

Acq: 2 Jul 2018 14:13

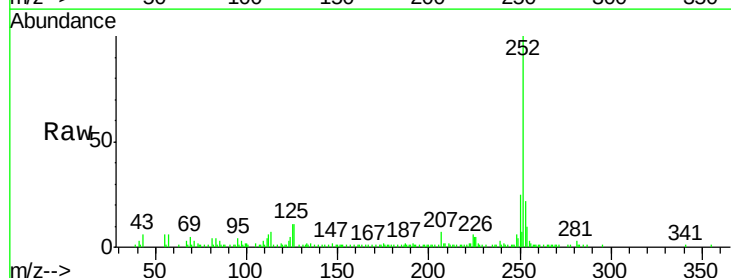
Tgt Ion:252 Resp: 116459

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

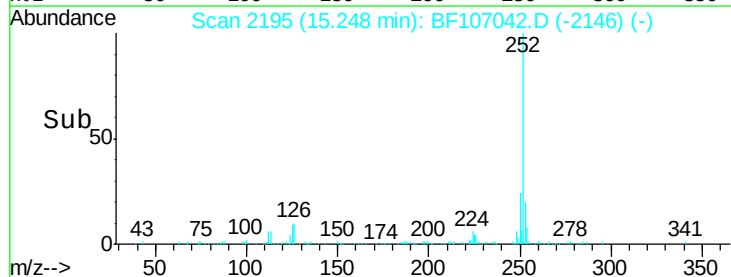
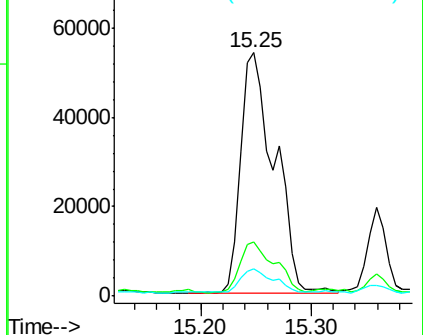
125 11.1 9.0 13.6

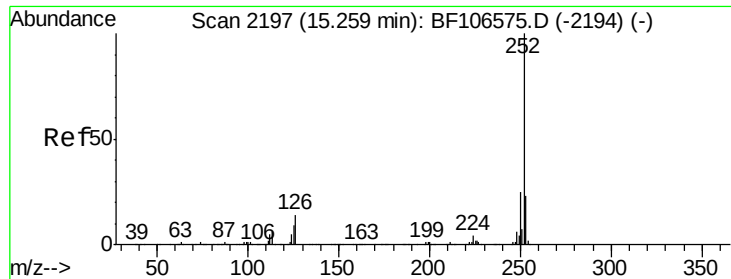


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

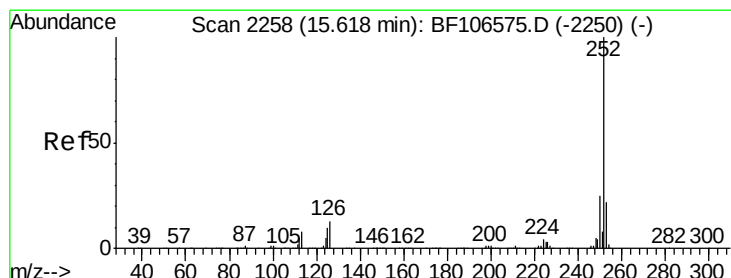
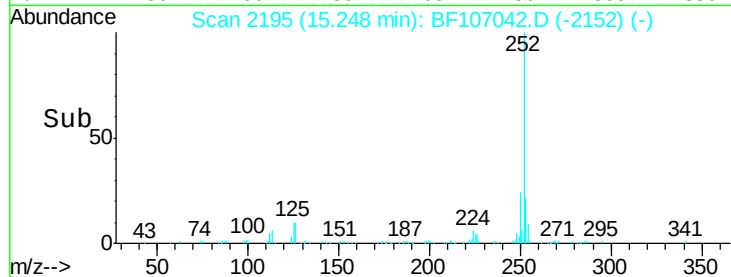
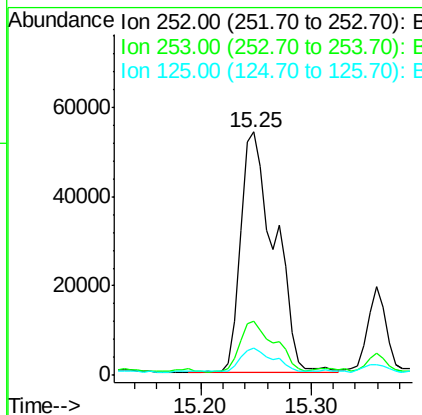
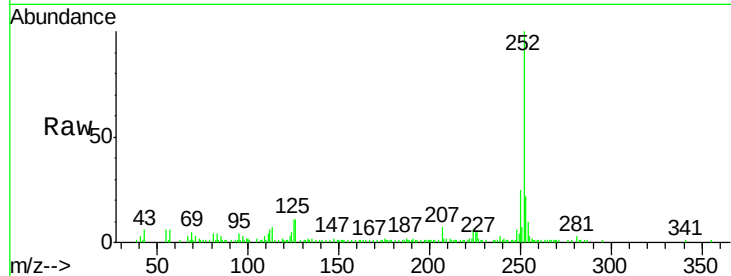




#88
Benzo(k)fluoranthene
Concen: 13.183 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

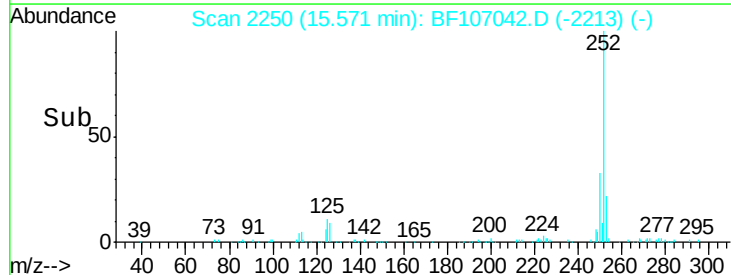
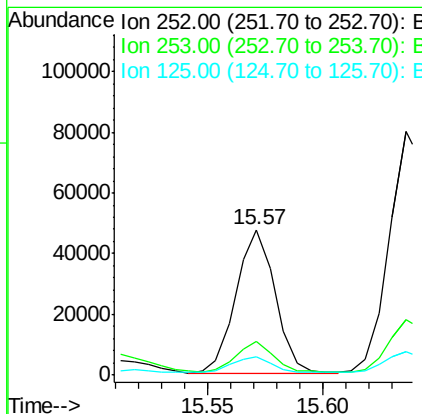
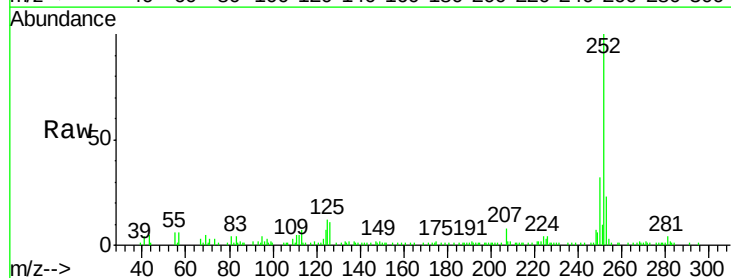
Instrument :
BNA_F
ClientSampleId :
SB-6(2-4)

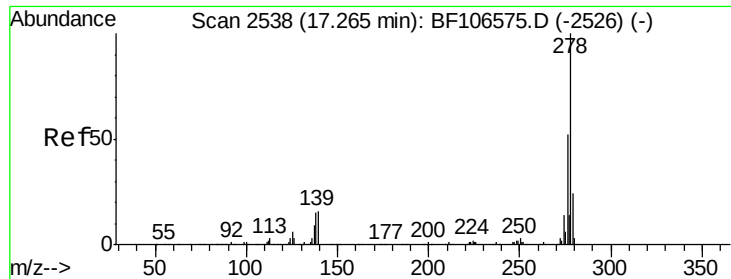
Tgt Ion:252 Resp: 116459
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 11.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 6.835 ng
RT: 15.57 min Scan# 2250
Delta R.T. -0.08 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Tgt Ion:252 Resp: 56366
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.4 9.8 14.6



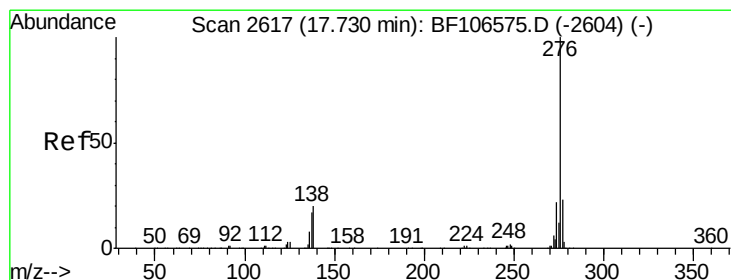
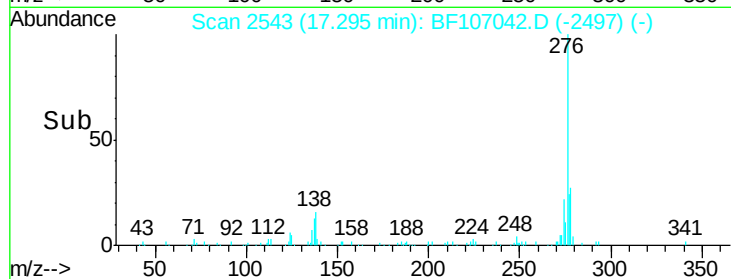
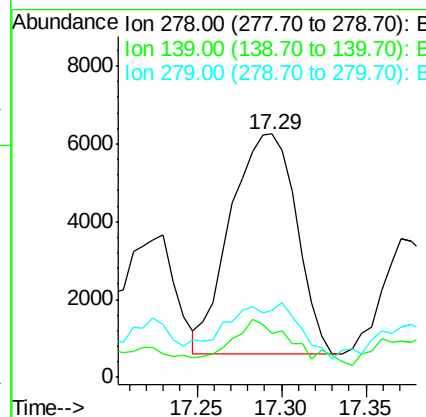
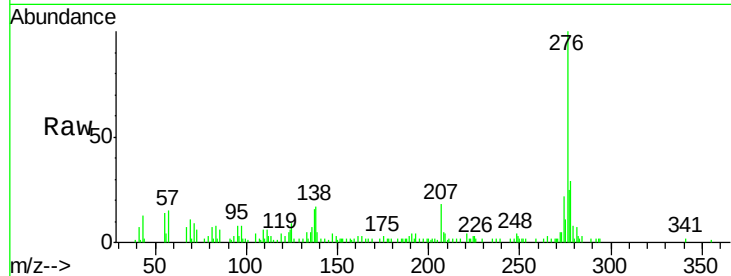


#90
Dibenzo(a,h)anthracene
Concen: 2.177 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Instrument :
BNA_F
ClientSampleId :
SB-6(2-4)

Tgt Ion: 278 Resp: 15218

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.9	23.9
279	27.4	19.0	28.4



#91
Benzo(g,h,i)perylene
Concen: 7.598 ng
RT: 17.77 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF107042.D
Acq: 2 Jul 2018 14:13

Tgt Ion: 276 Resp: 51904

Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	19.7	21.8	32.8#

