

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107549.D
 Acq On : 21 Jul 2018 2:42
 Operator : JU/SJ
 Sample : J4030-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Quant Time: Jul 21 04:56:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	310662	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1120213	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	433162	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	783764	20.00	ng	0.00
75) Chrysene-d12	14.16	240	688512	20.00	ng	0.00
86) Perylene-d12	15.70	264	525525	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1504022	77.84	ng	0.00
7) Phenol-d6	6.61	99	1803205	77.72	ng	0.00
23) Nitrobenzene-d5	7.54	82	1068585	64.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	395802	80.35	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1796709	66.90	ng	0.00
78) Terphenyl-d14	13.09	244	1546643	57.51	ng	0.00

Target Compounds

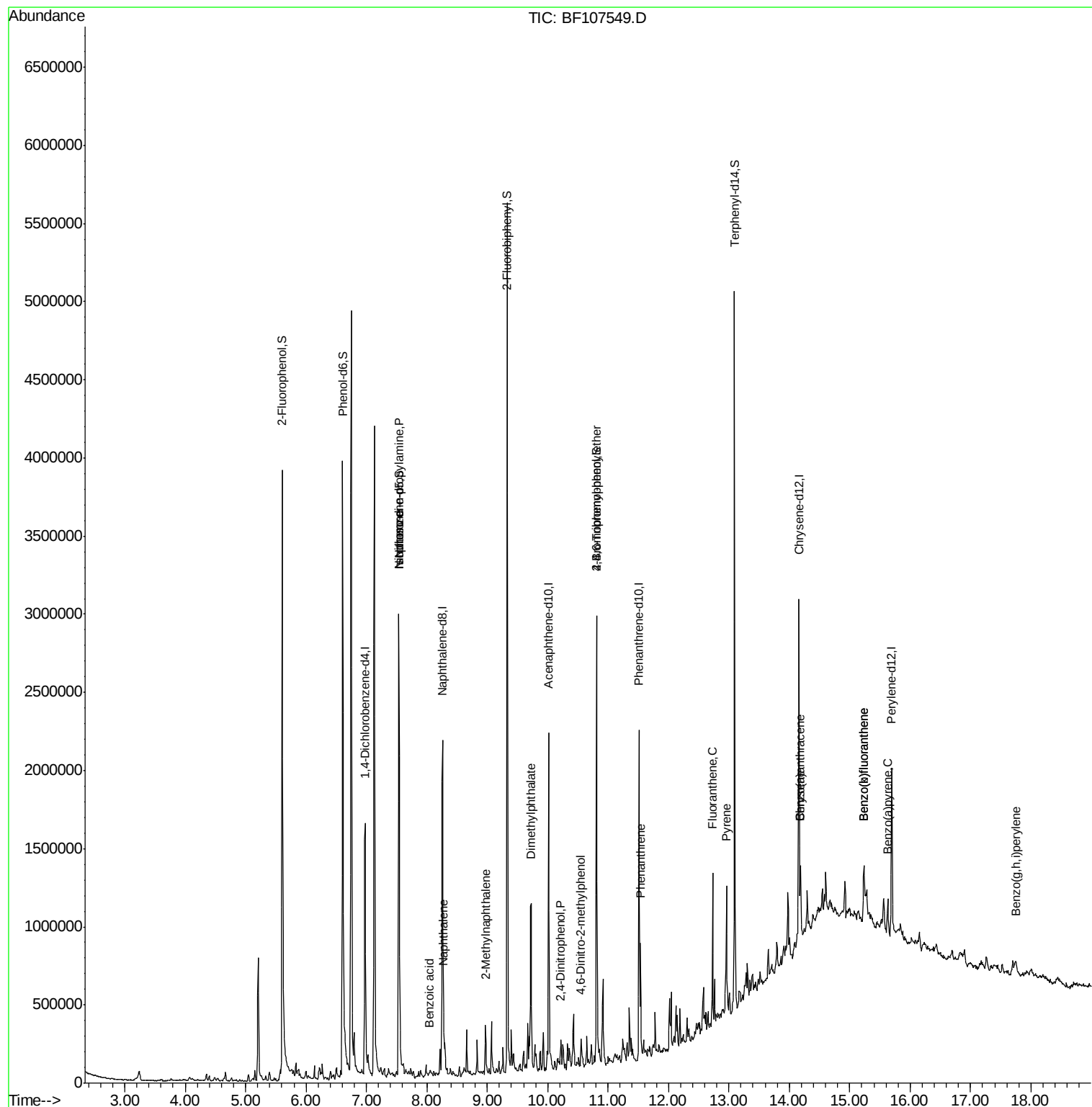
					Qvalue	
9) Benzaldehyde	6.54	77	3490	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.54	70	144465	9.639 ng	#	80
25) Isophorone	7.54	82	1068065	30.136 ng	#	64
31) Naphthalene	8.28	128	118877	2.413 ng		99
32) Benzoic acid	8.04	122	326	7.925 ng	#	25
37) 2-Methylnaphthalene	8.97	142	107320	3.144 ng		98
49) Dimethylphthalate	9.72	163	392311	12.017 ng		99
53) 2,4-Dinitrophenol	10.21	184	127	8.337 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.56	198	114	8.705 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	24536	2.659 ng	#	1
70) Phenanthrene	11.54	178	275088	7.203 ng		98
73) Di-n-butylphthalate	12.06	149	6525	Below Cal	#	78
74) Fluoranthene	12.73	202	373442	9.112 ng		97
77) Pyrene	12.96	202	337873	7.174 ng		97
80) Benzo(a)anthracene	14.19	228	212445	5.265 ng		96
81) 3,3'-Dichlorobenzidine	14.10	252	370	Below Cal	#	44
82) Chrysene	14.19	228	212445	5.481 ng		99
87) Benzo(b)fluoranthene	15.24	252	276921	9.628 ng	#	91
88) Benzo(k)fluoranthene	15.24	252	276921	9.827 ng	#	93
89) Benzo(a)pyrene	15.63	252	109110	4.147 ng	#	93
91) Benzo(g,h,i)perylene	17.75	276	66719	2.974 ng		92

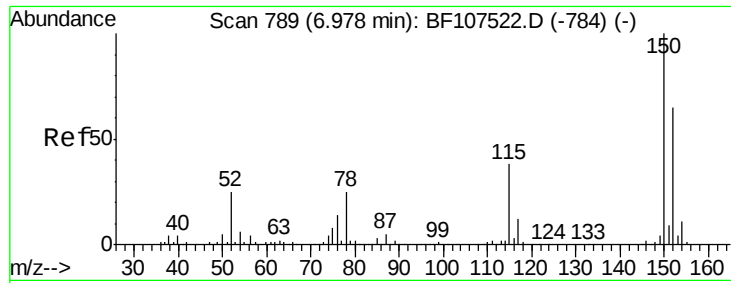
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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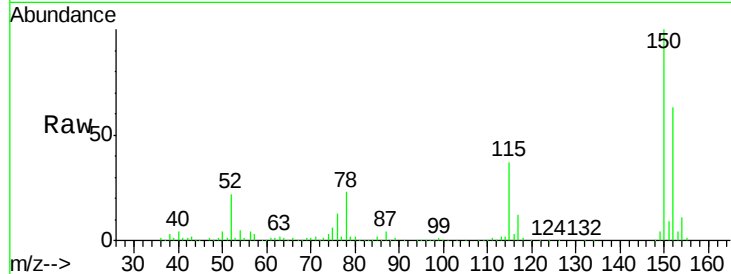


#1

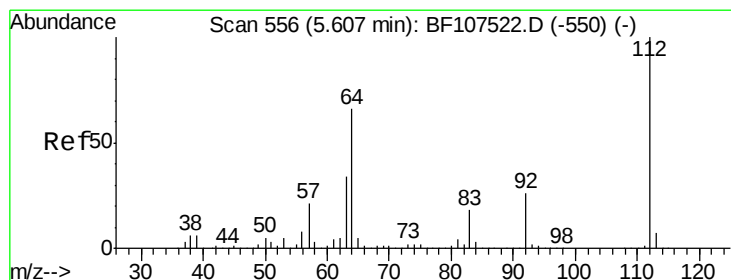
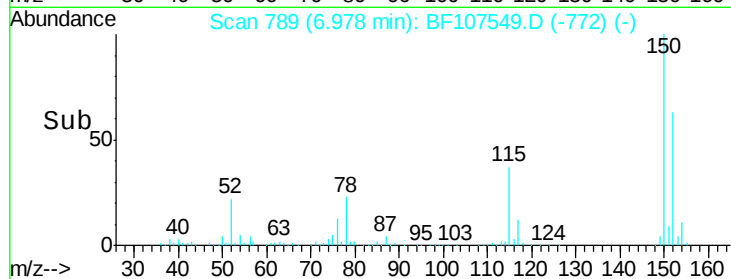
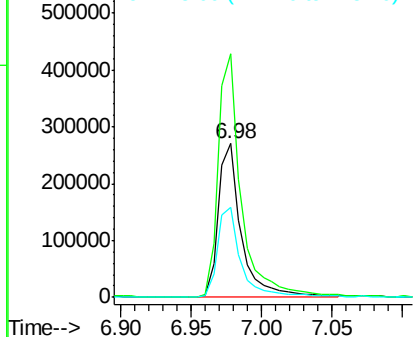
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampleId :
SB1-12-0

Tgt Ion:152 Resp: 310662
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 58.7 50.1 75.1



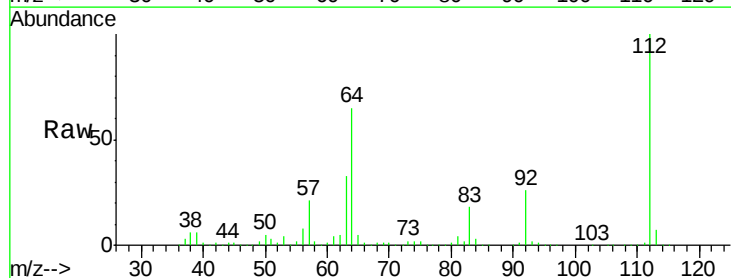
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



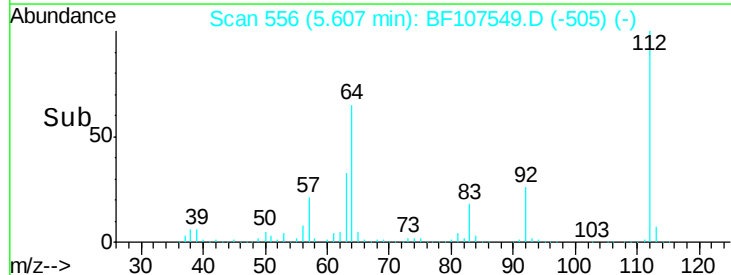
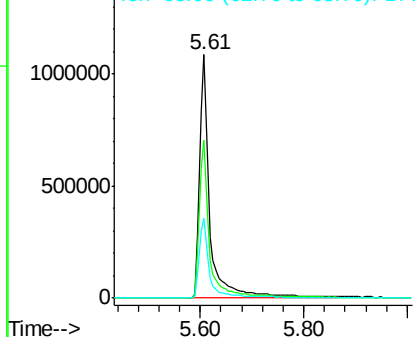
#5

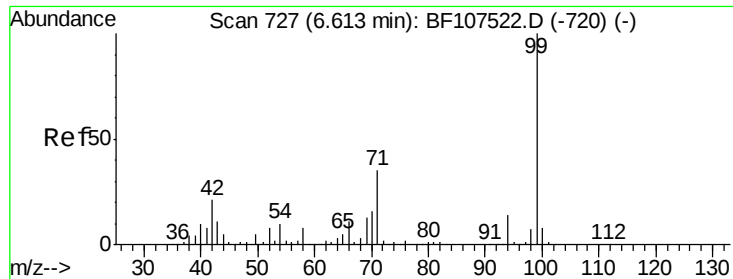
2-Fluorophenol
Concen: 77.840 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion:112 Resp: 1504022
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 32.7 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: 77.722 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

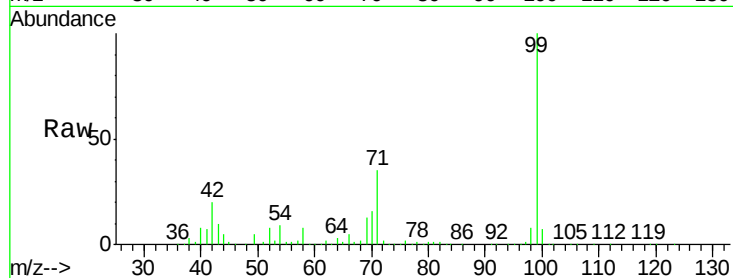
Tgt Ion: 99 Resp: 1803205

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

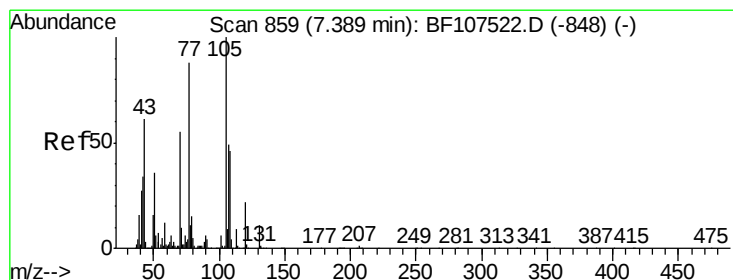
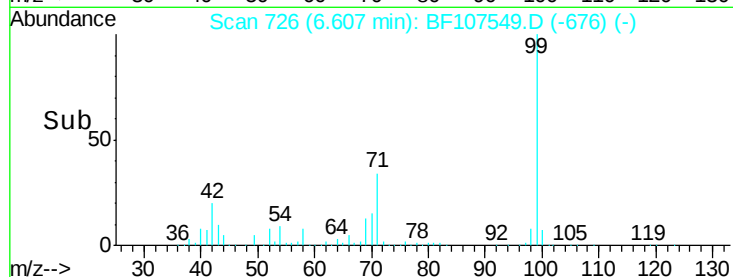
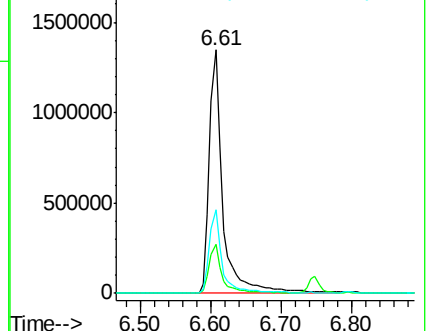
71 34.5 25.4 38.0



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: 9.639 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Tgt Ion: 70 Resp: 144465

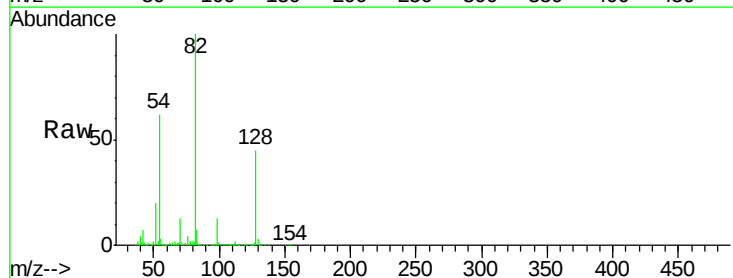
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

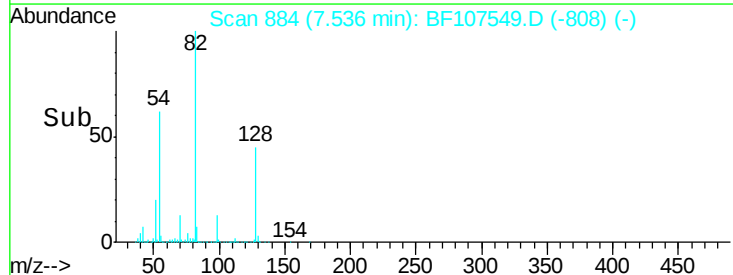
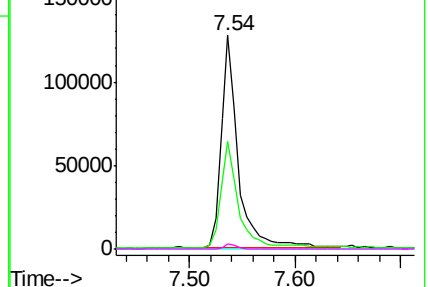


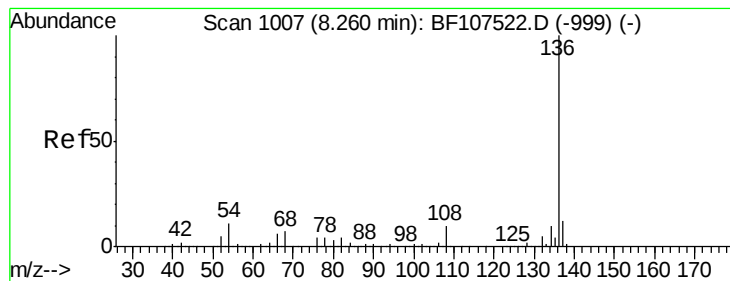
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

Tgt Ion:136 Resp: 1120213

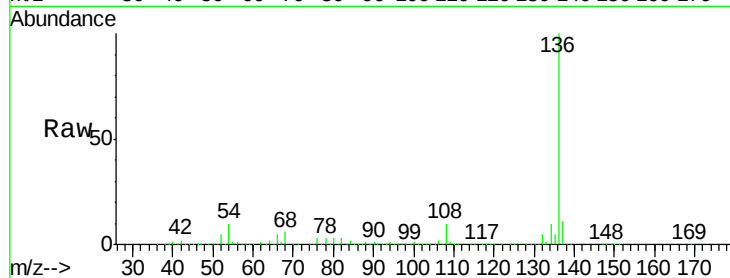
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.6 6.6 9.8

68 6.0 5.0 7.4

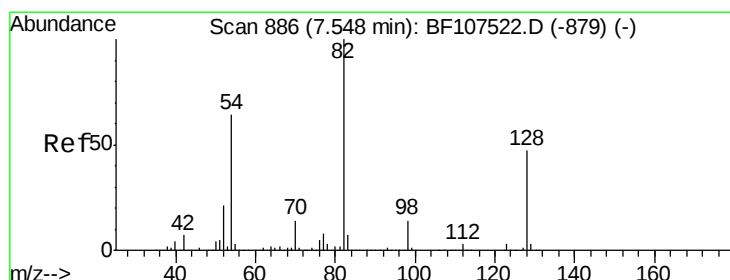
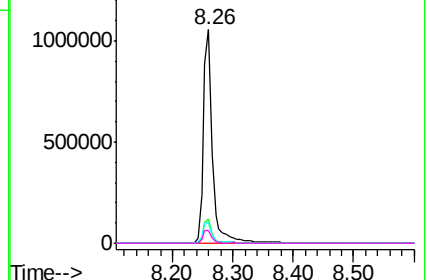
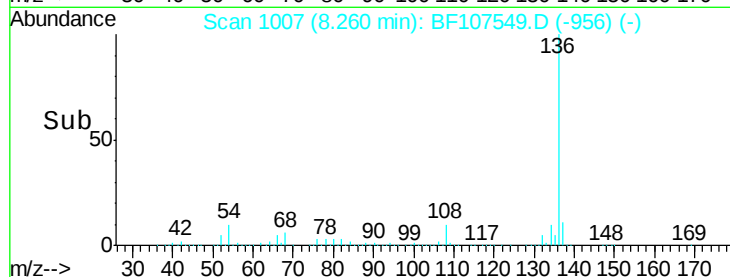


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.377 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

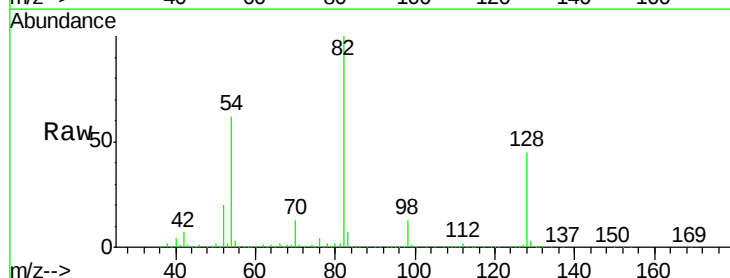
Tgt Ion: 82 Resp: 1068585

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

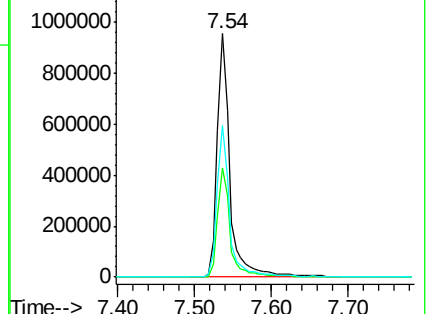
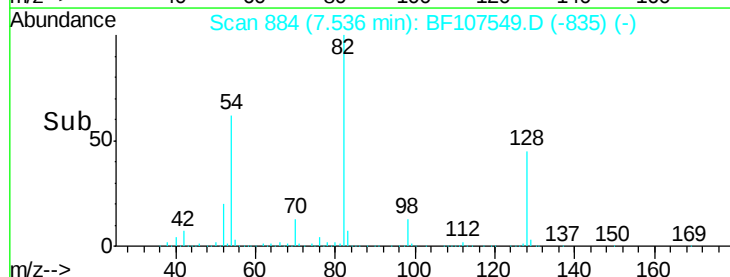
54 62.3 41.4 62.2#



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: 30.136 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

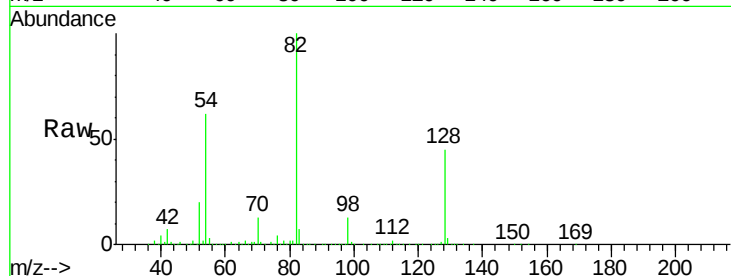
Tgt Ion: 82 Resp: 1068065

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

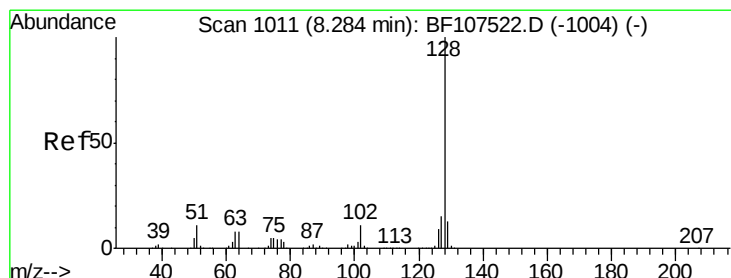
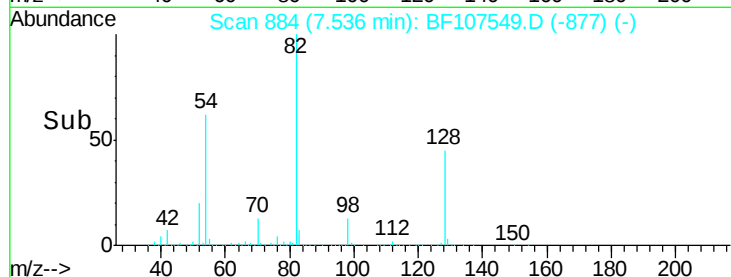
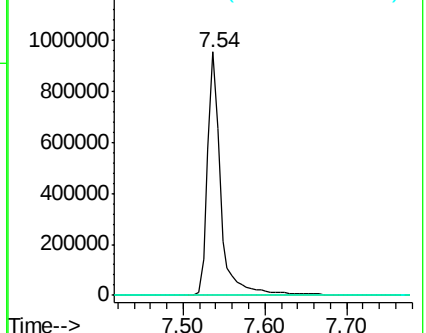
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.413 ng

RT: 8.28 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

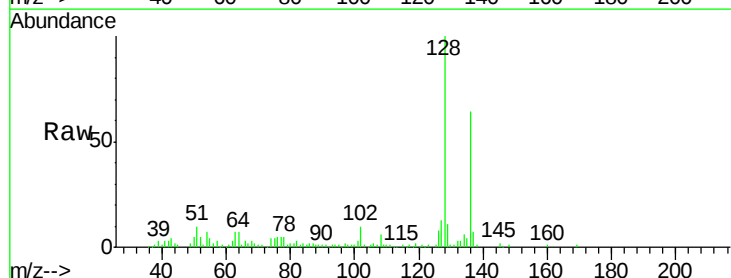
Tgt Ion: 128 Resp: 118877

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

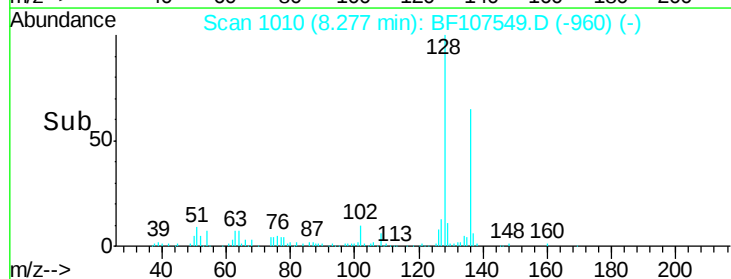
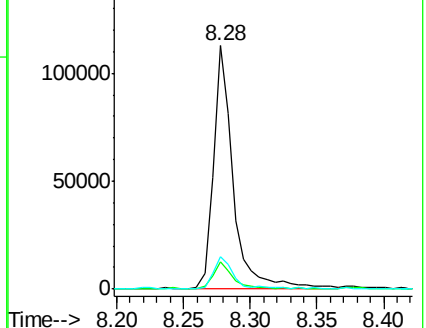
127 13.1 10.9 16.3

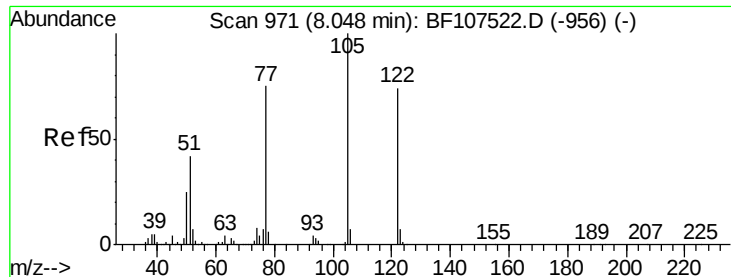


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

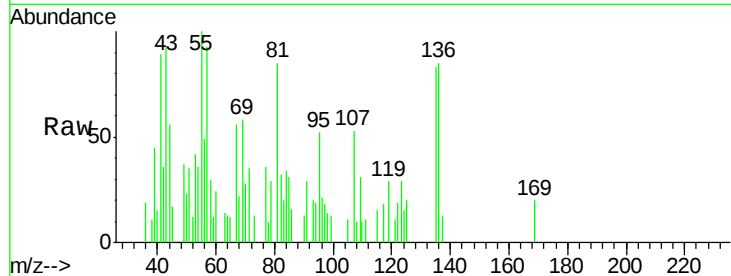




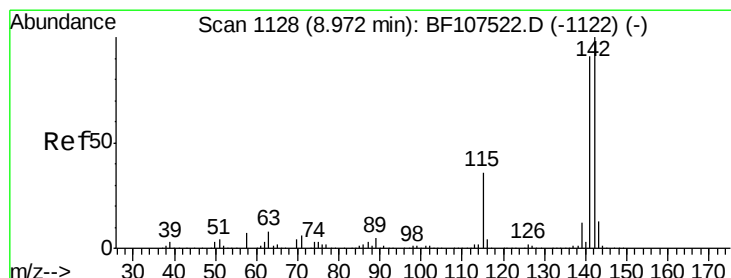
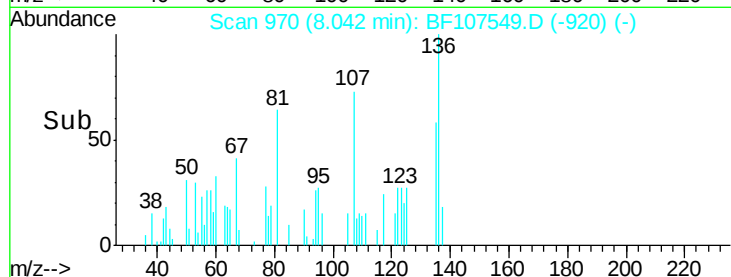
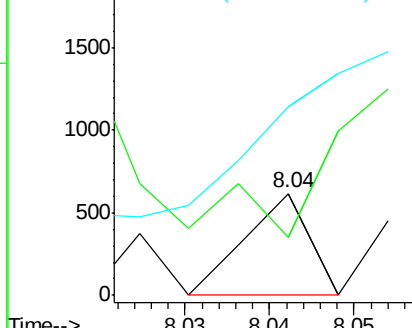
#32
Benzoic acid
Concen: 7.925 ng
RT: 8.04 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampled :
SB1-12-0

Tgt Ion:122 Resp: 326
Ion Ratio Lower Upper
122 100
105 57.5 101.1 141.1#
77 185.6 70.7 110.7#

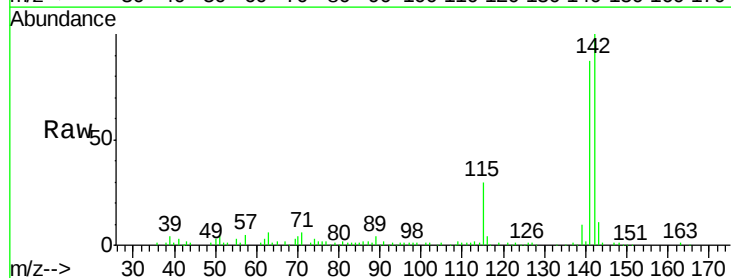


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

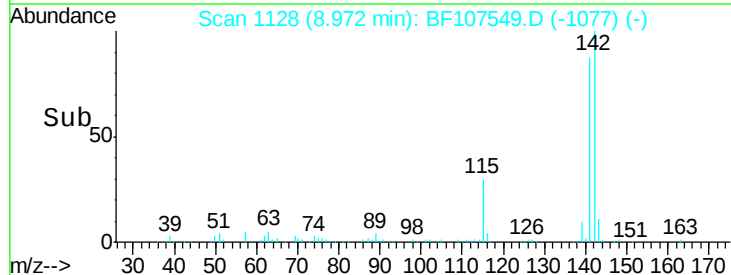
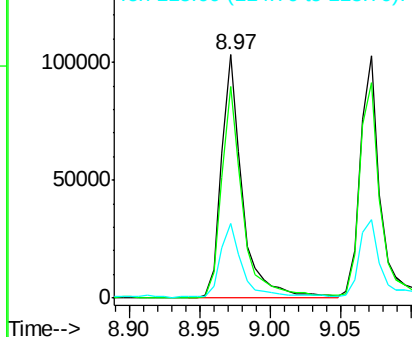


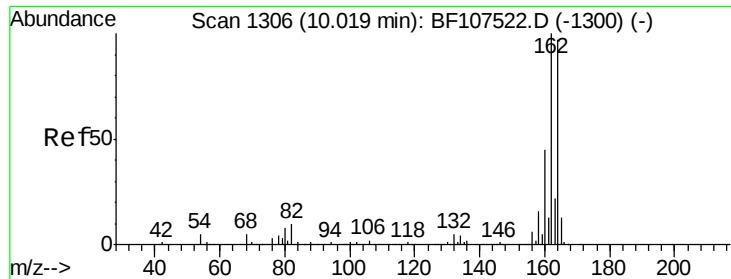
#37
2-Methylnaphthalene
Concen: 3.144 ng
RT: 8.97 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion:142 Resp: 107320
Ion Ratio Lower Upper
142 100
141 87.1 70.8 106.2
115 30.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

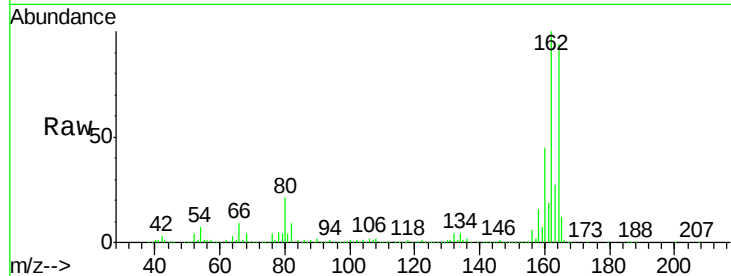
Tgt Ion:164 Resp: 433162

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

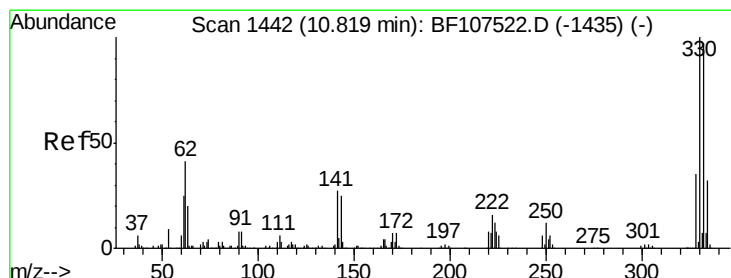
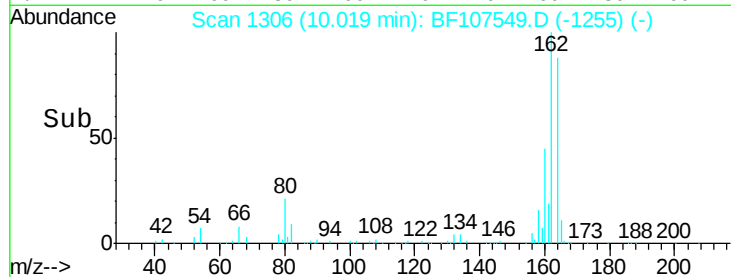
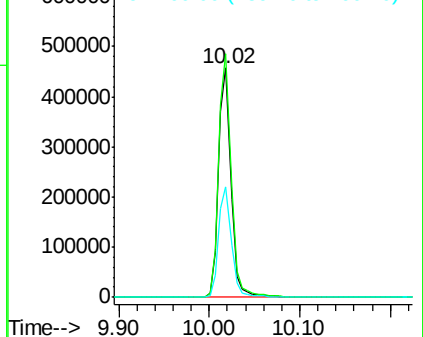
160 47.9 38.3 57.5



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: 80.354 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

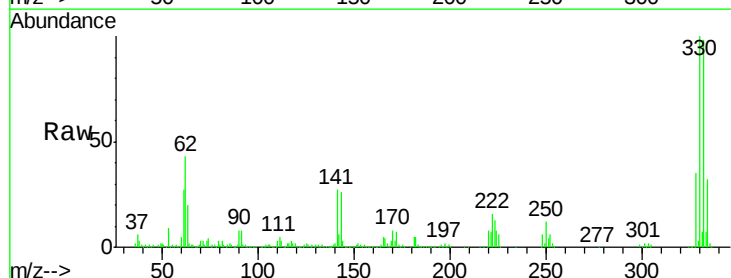
Tgt Ion:330 Resp: 395802

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

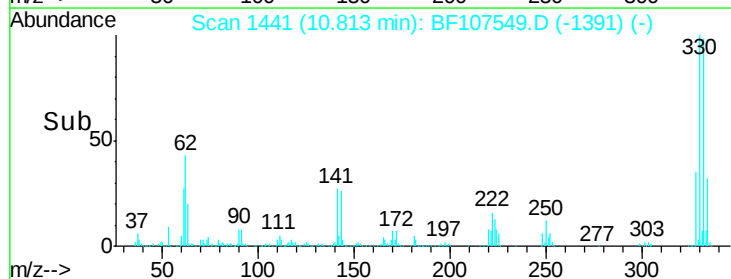
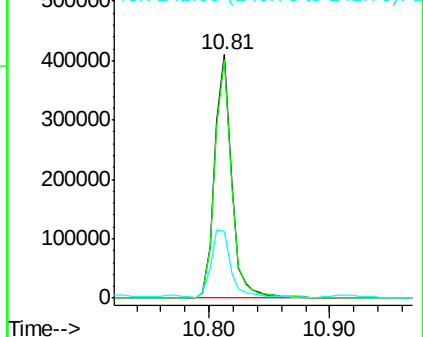
141 32.7 29.9 44.9

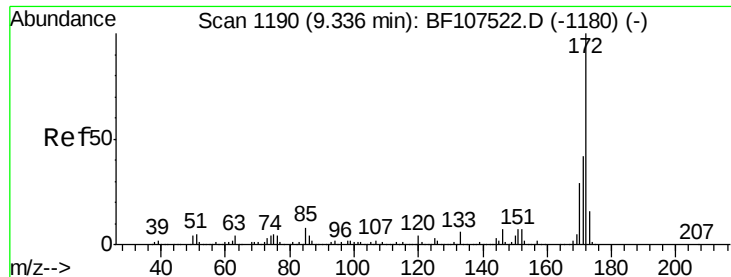


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

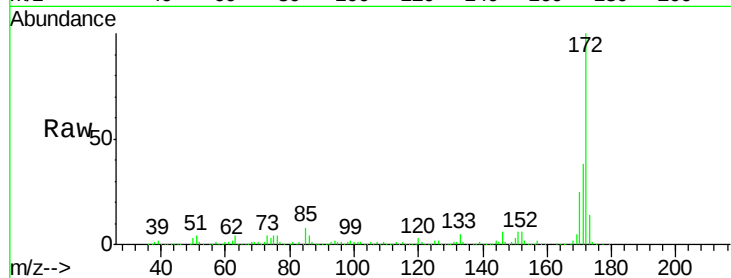




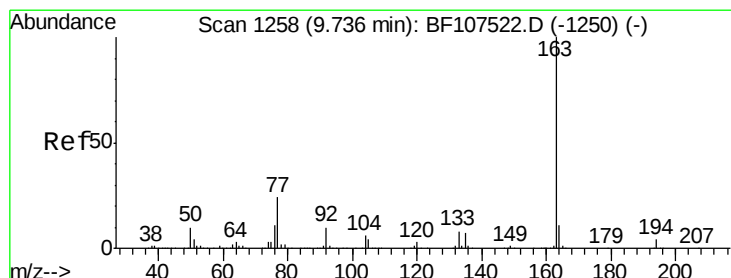
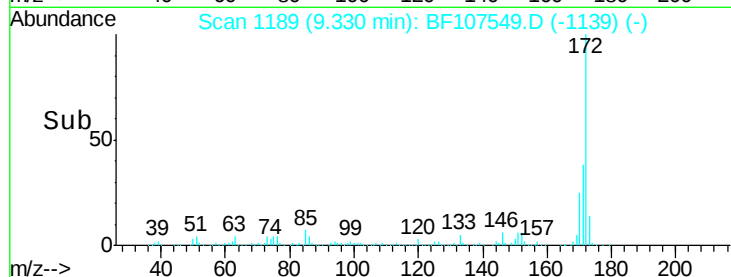
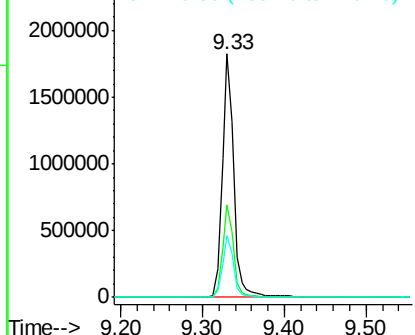
#44
 2-Fluorobiphenyl
 Concen: 66.903 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Tgt Ion:172 Resp: 1796709
 Ion Ratio Lower Upper
 172 100
 171 38.1 29.7 44.5
 170 25.5 19.6 29.4

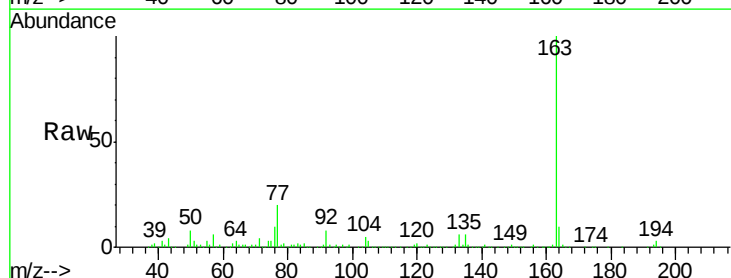


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

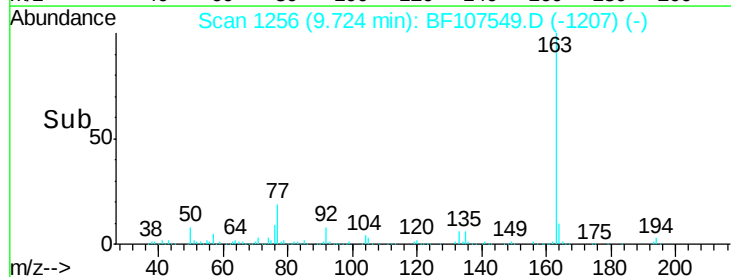
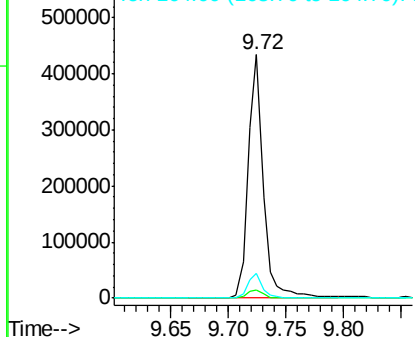


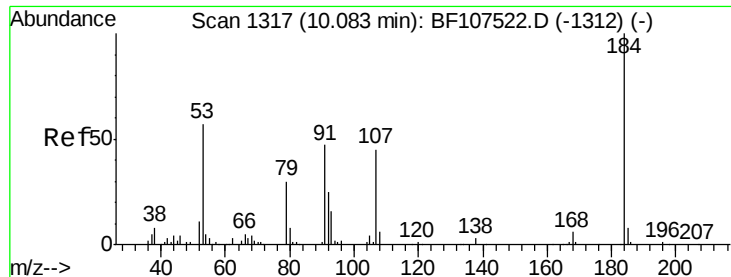
#49
 Dimethylphthalate
 Concen: 12.017 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Tgt Ion:163 Resp: 392311
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 9.9 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

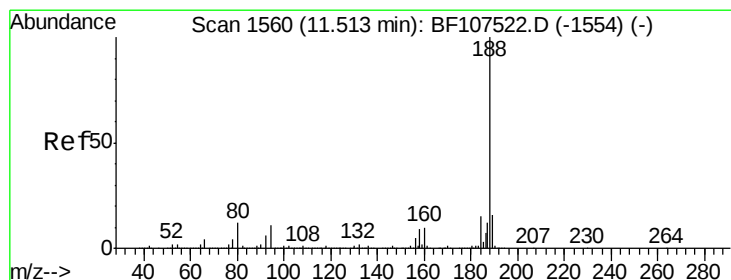
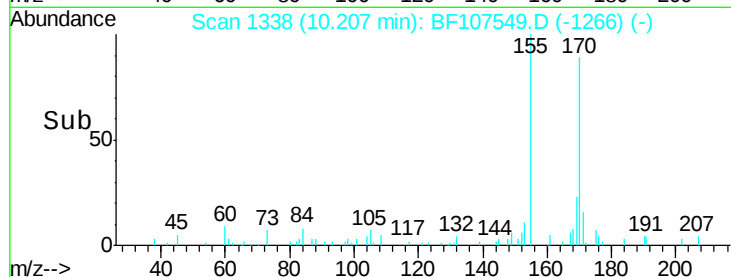
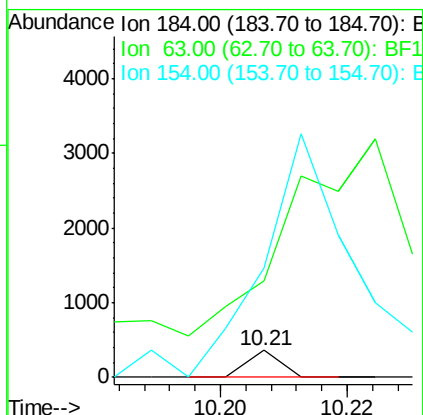
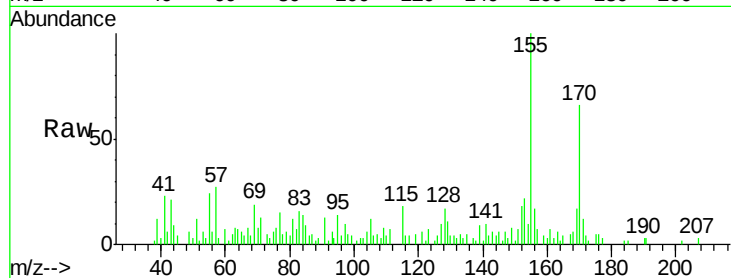




#53
2,4-Dinitrophenol
Concen: 8.337 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.12 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

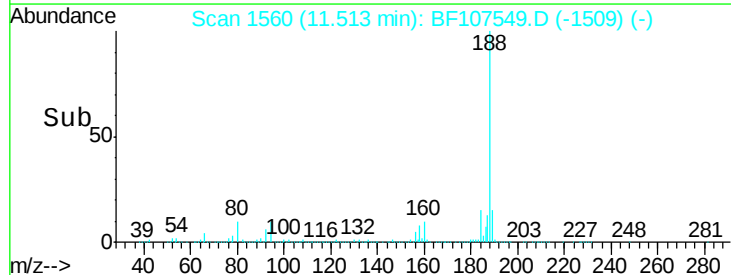
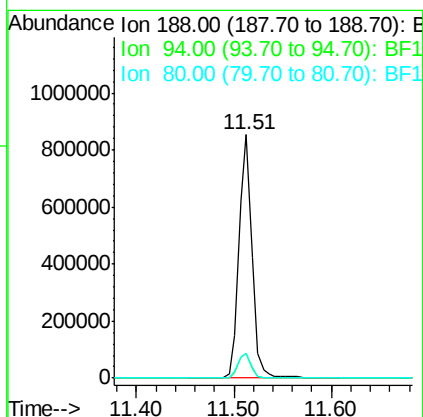
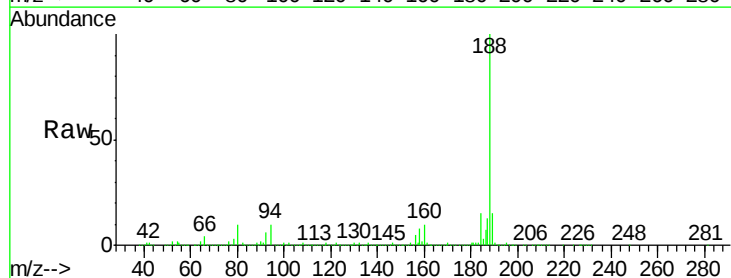
Instrument :
BNA_F
ClientSampleId :
SB1-12-0

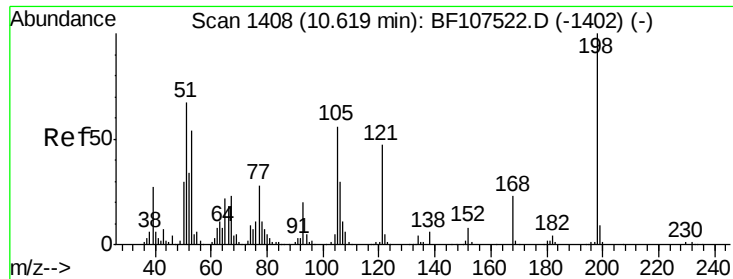
Tgt Ion:184 Resp: 127
Ion Ratio Lower Upper
184 100
63 358.9 54.2 81.2#
154 405.3 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion:188 Resp: 783764
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 9.9 9.2 13.8

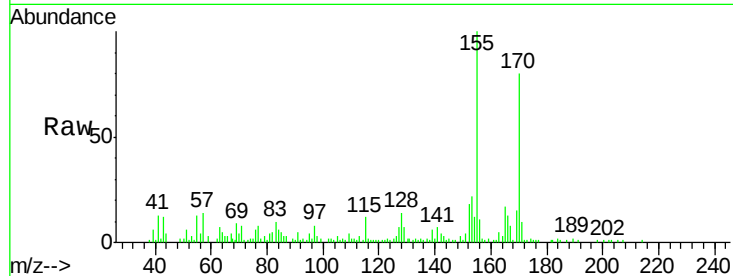




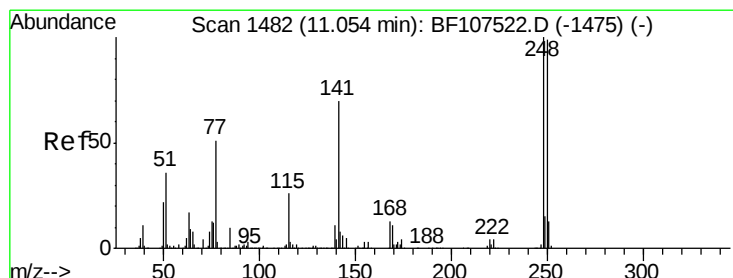
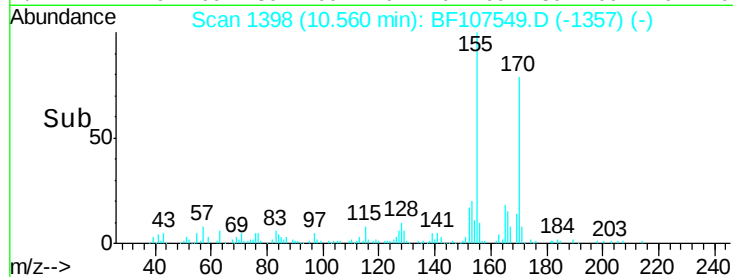
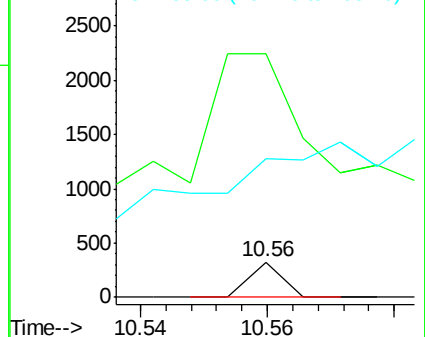
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.705 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.06 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Tgt Ion:198 Resp: 114
 Ion Ratio Lower Upper
 198 100
 51 693.2 37.7 77.7#
 105 395.7 36.3 76.3#

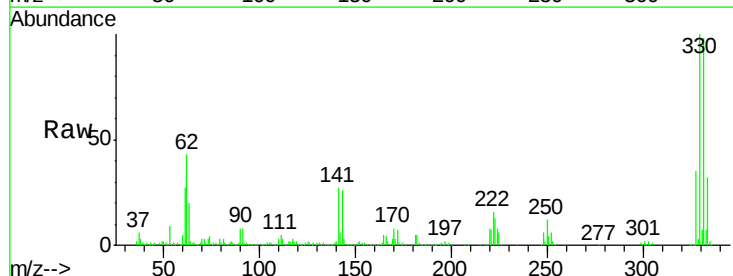


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

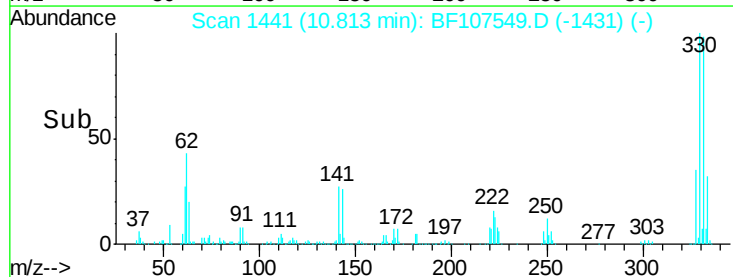
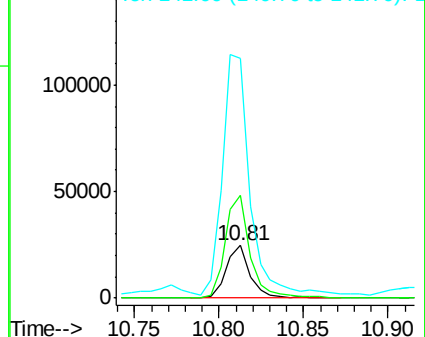


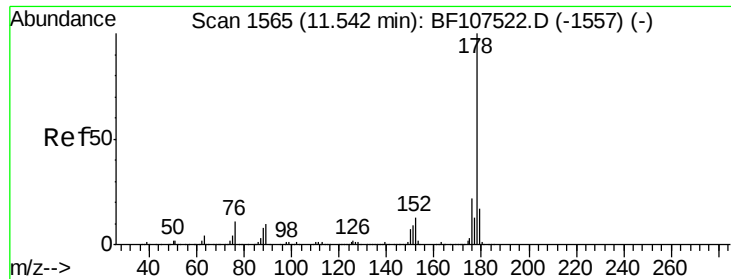
#66
 4-Bromophenyl-phenylether
 Concen: 2.659 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Tgt Ion:248 Resp: 24536
 Ion Ratio Lower Upper
 248 100
 250 194.4 76.9 115.3#
 141 453.0 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

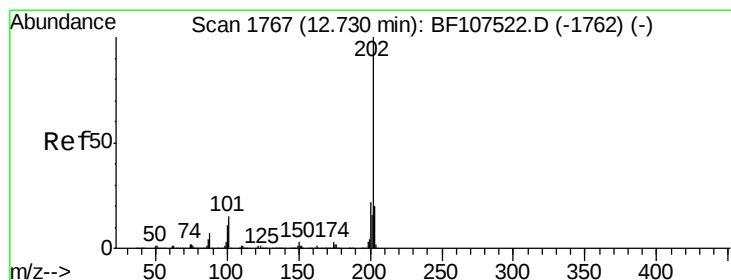
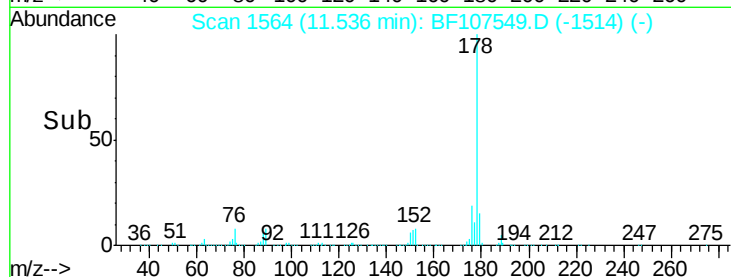
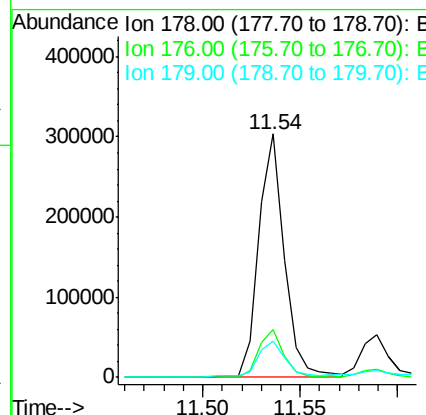
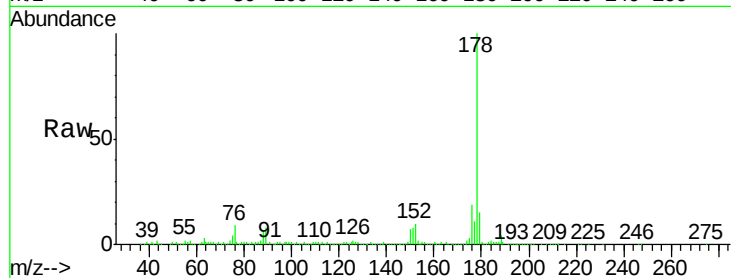




#70
Phenanthrene
Concen: 7.203 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

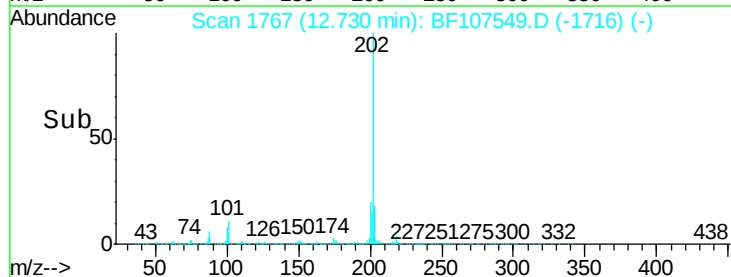
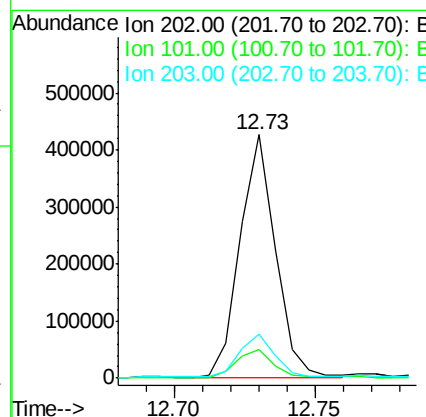
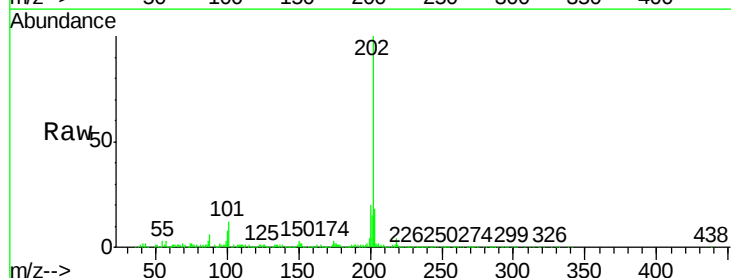
Instrument :
BNA_F
ClientSampleId :
SB1-12-0

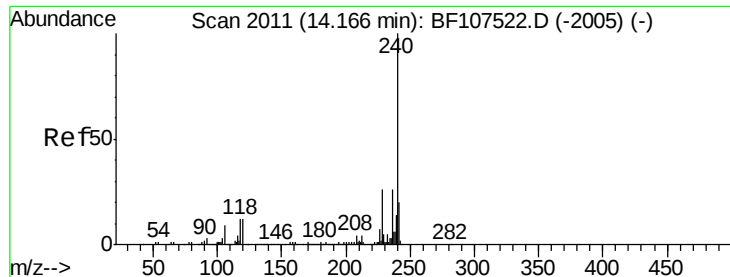
Tgt Ion:178 Resp: 275088
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.9 13.0 19.6



#74
Fluoranthene
Concen: 9.112 ng
RT: 12.73 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion:202 Resp: 373442
Ion Ratio Lower Upper
202 100
101 11.6 0.0 34.1
203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

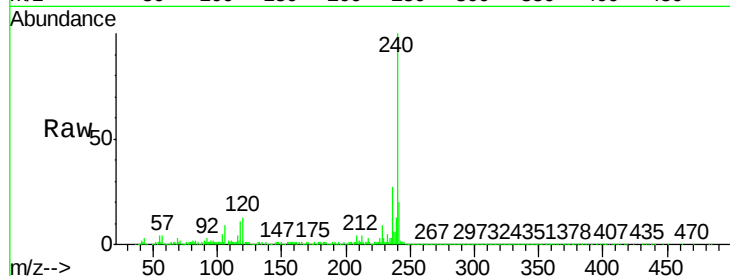
Tgt Ion:240 Resp: 688512

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

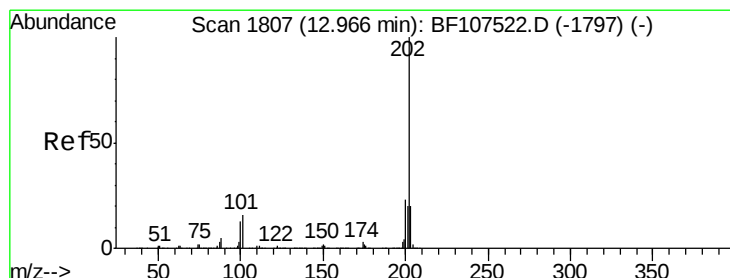
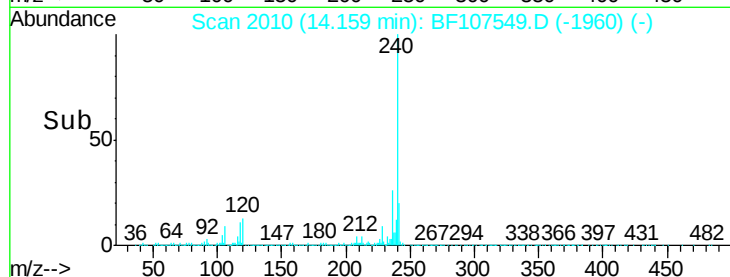
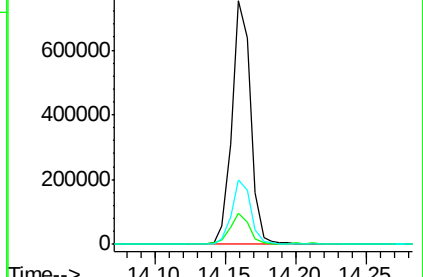
236 26.5 20.7 31.1



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: 7.174 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

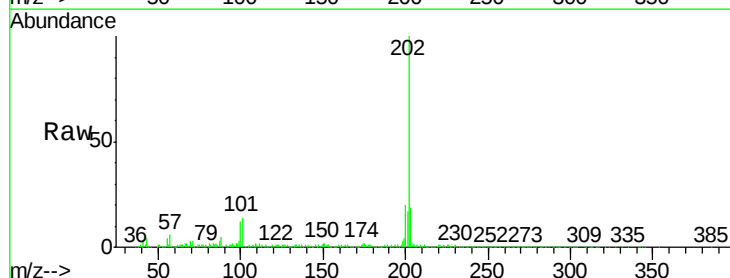
Tgt Ion:202 Resp: 337873

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

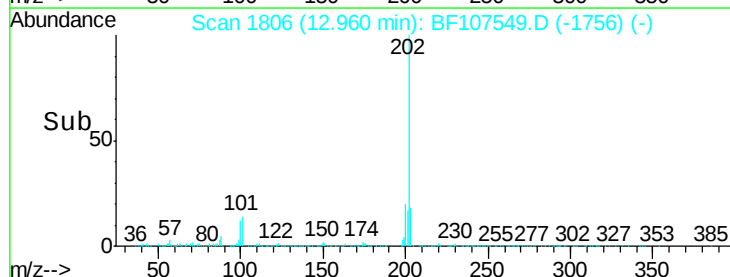
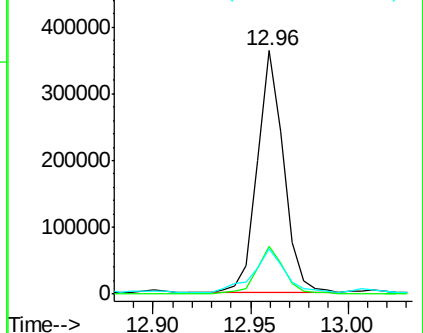
203 18.7 14.3 21.5

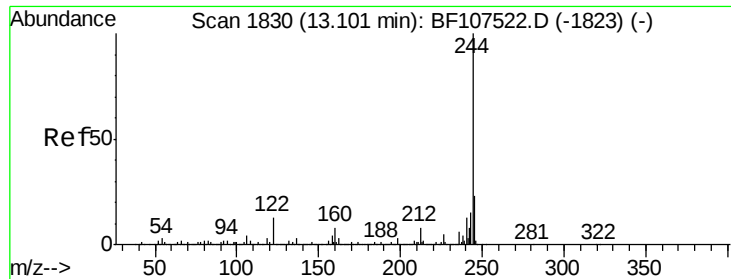


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.509 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

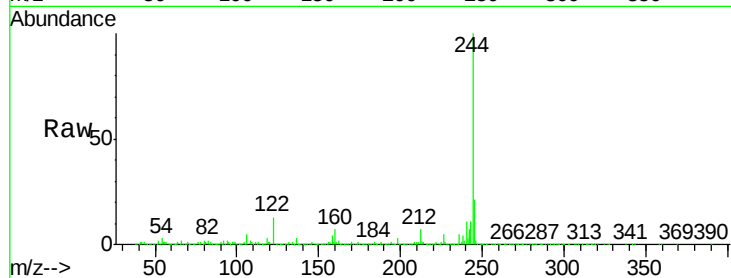
Tgt Ion:244 Resp: 1546643

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

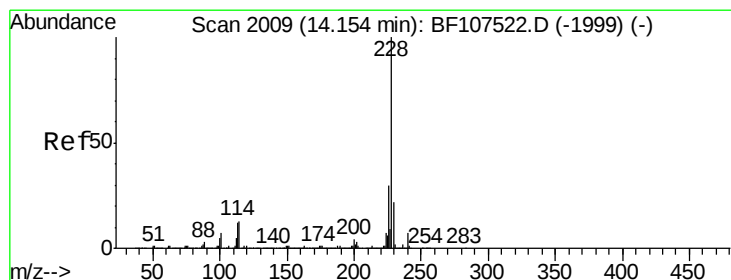
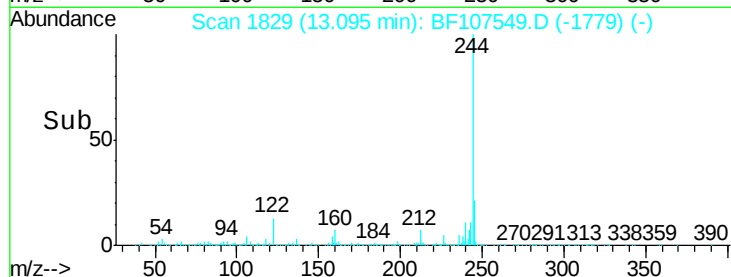
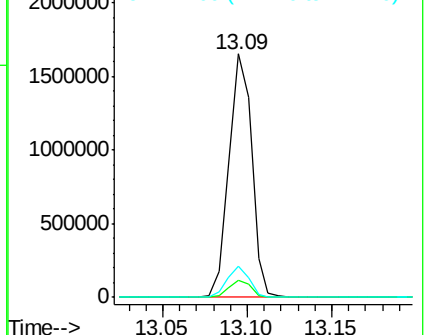
122 12.8 11.0 16.4



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: 5.265 ng

RT: 14.19 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

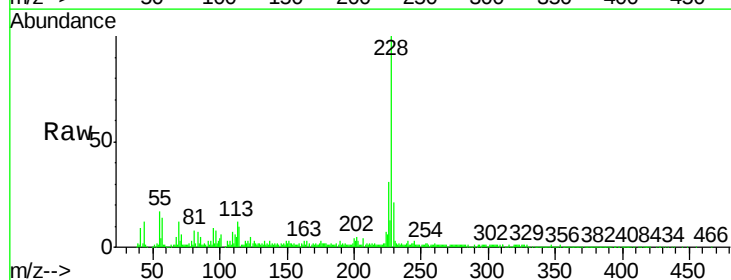
Tgt Ion:228 Resp: 212445

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

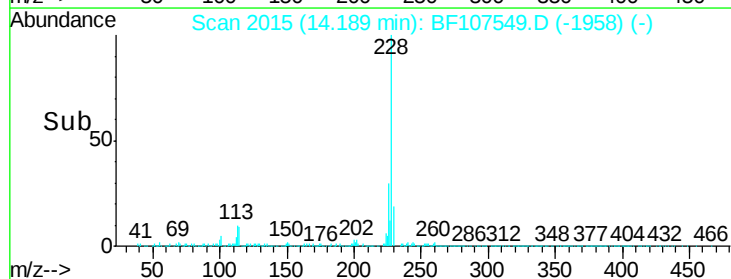
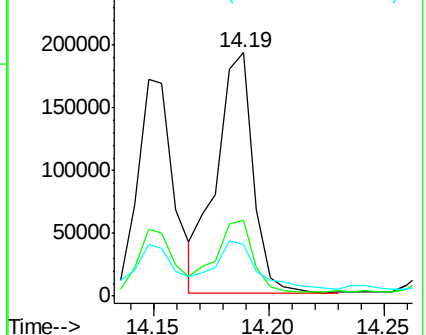
229 21.2 15.8 23.6

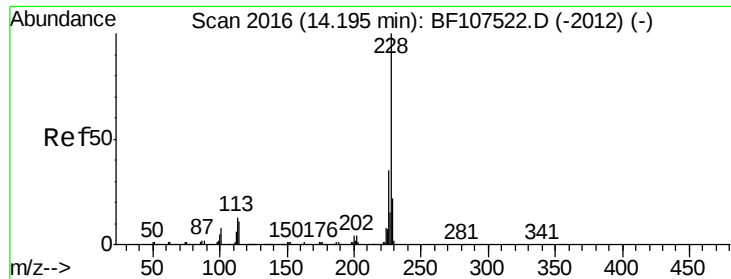


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.481 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

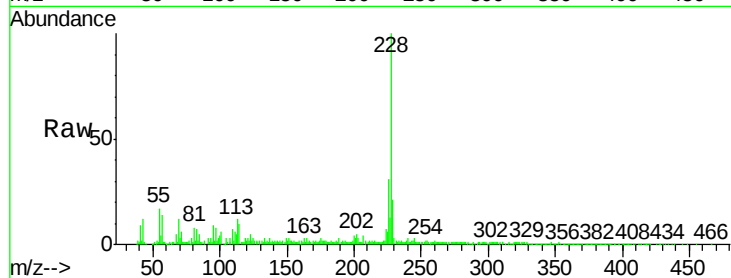
Tgt Ion:228 Resp: 212445

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

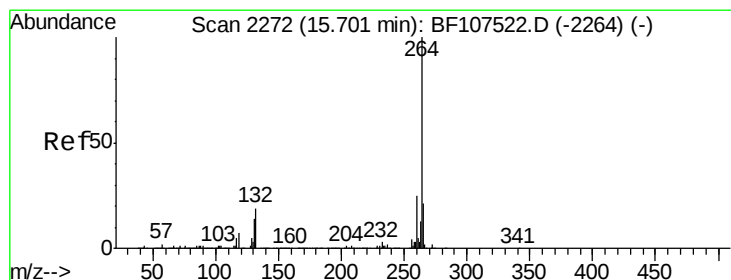
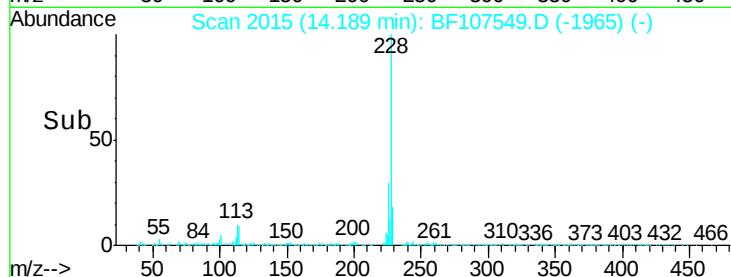
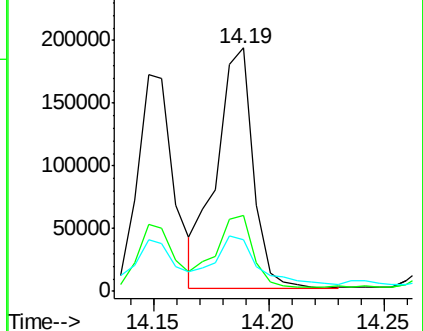
229 21.2 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

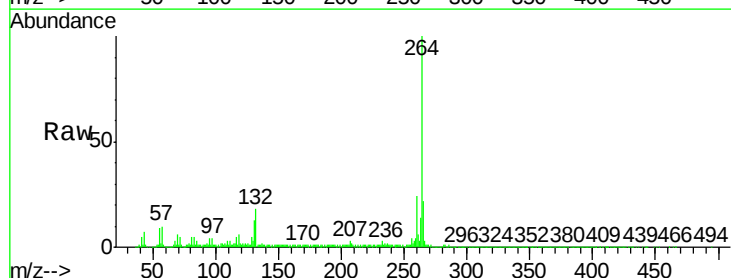
Tgt Ion:264 Resp: 525525

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

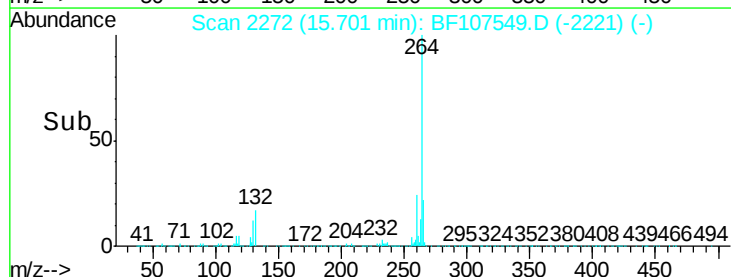
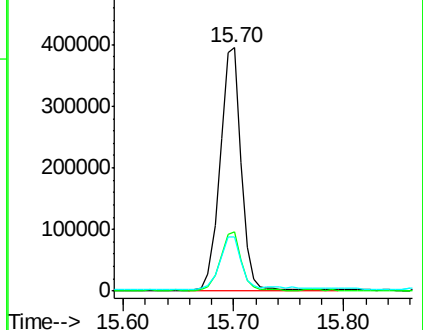
265 22.5 17.5 26.3

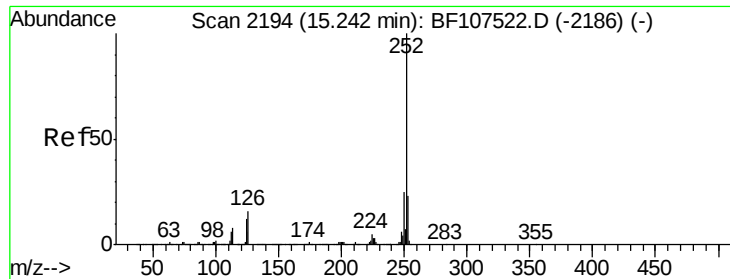


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

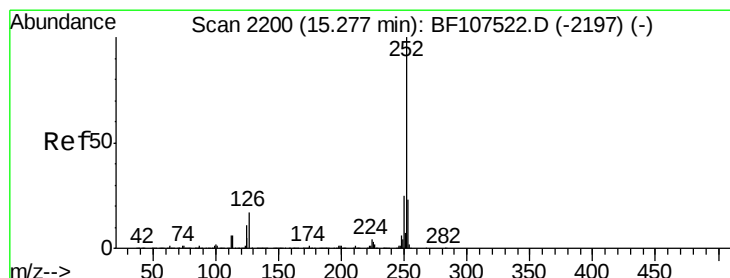
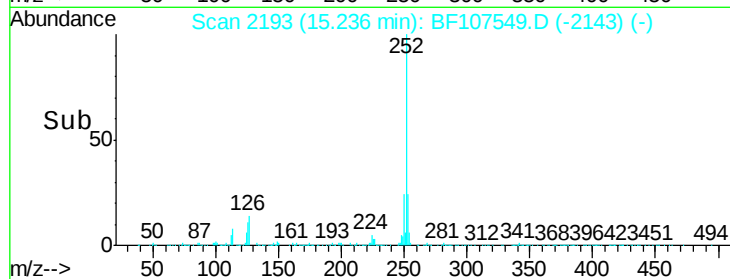
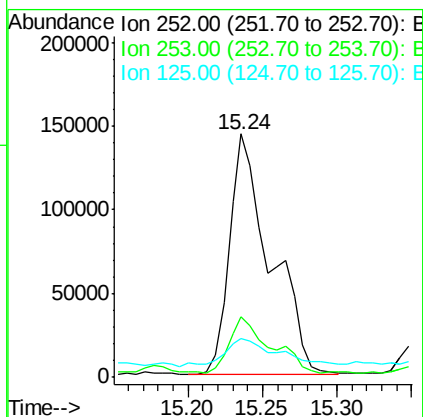
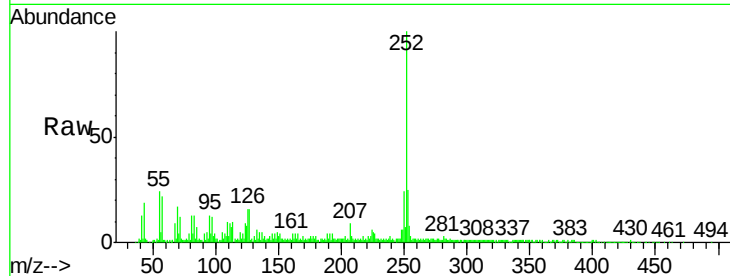




#87
Benzo(b)fluoranthene
Concen: 9.628 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

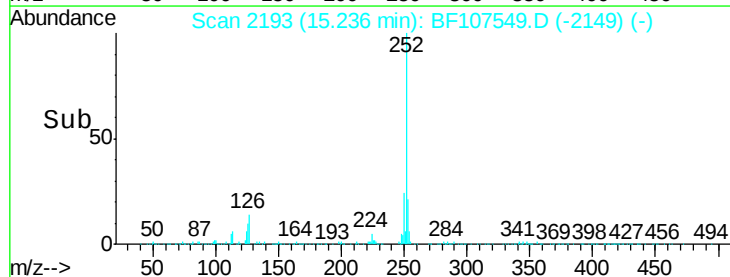
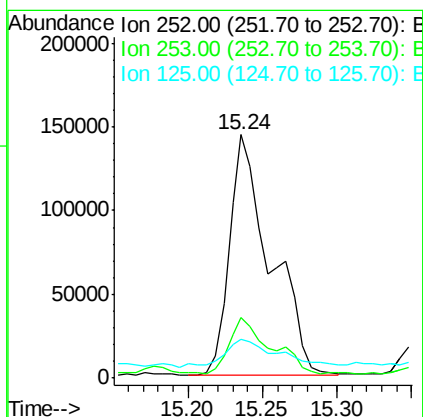
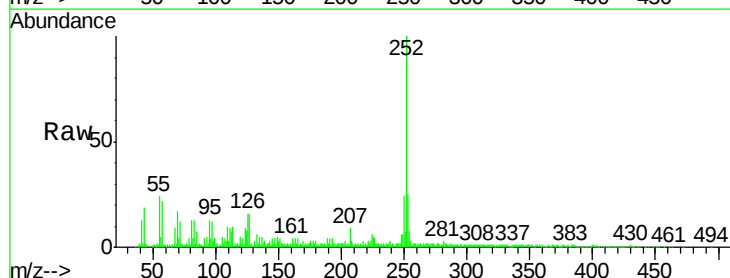
Instrument :
BNA_F
ClientSampleId :
SB1-12-0

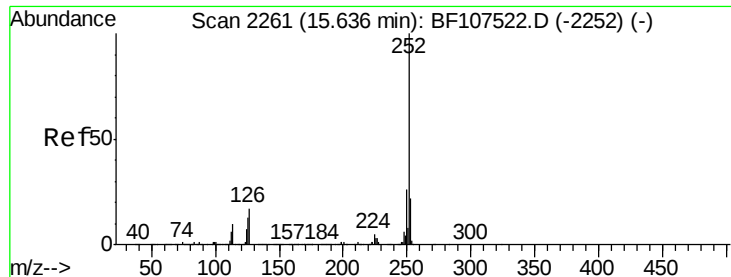
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	16.1	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 9.827 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	16.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 4.147 ng

RT: 15.63 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampled :

SB1-12-0

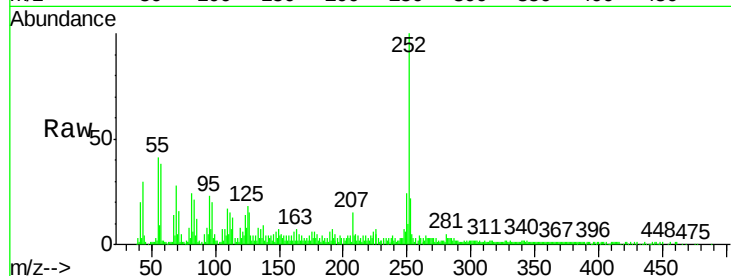
Tgt Ion:252 Resp: 109110

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 18.4 9.8 14.6#



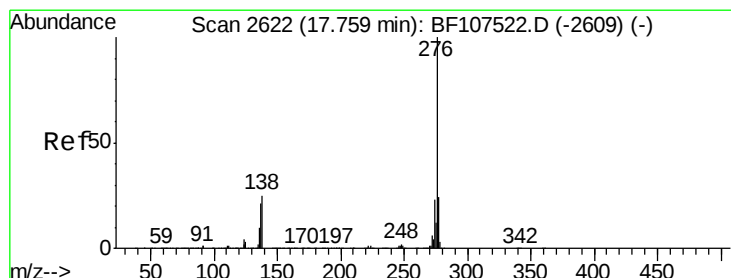
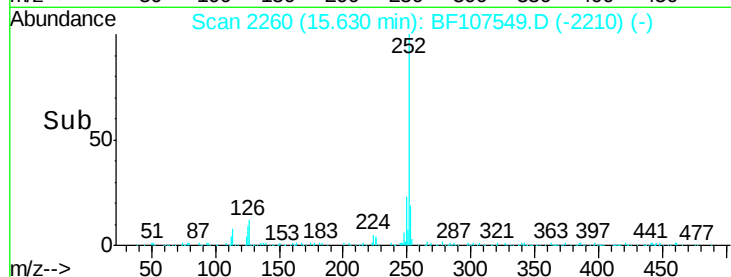
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.63

Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.974 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

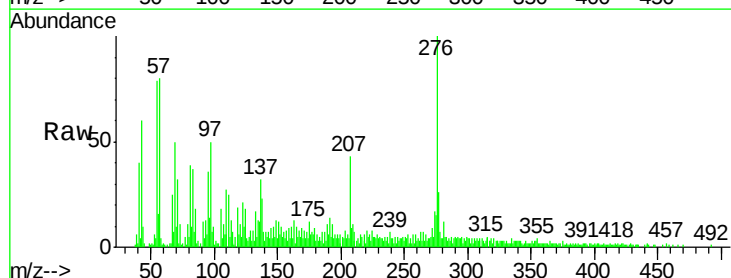
Tgt Ion:276 Resp: 66719

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 23.2 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

17.75

Time-->

