

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
 Data File : BF107590.D
 Acq On : 23 Jul 2018 16:11
 Operator : JU/SJ
 Sample : J4030-05 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Quant Time: Jul 23 18:14:46 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	6.97	152	297804	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1108497	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	410532	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	701806	20.00	ng	0.00
75) Chrysene-d12	14.17	240	514000	20.00	ng	0.00
86) Perylene-d12	15.72	264	402168	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	791357	42.72	ng	0.00
7) Phenol-d6	6.60	99	1009019	45.37	ng	-0.01
23) Nitrobenzene-d5	7.54	82	595587	36.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	208470	44.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1092829	38.22	ng	0.00
78) Terphenyl-d14	13.10	244	869104	43.29	ng	0.00

Target Compounds

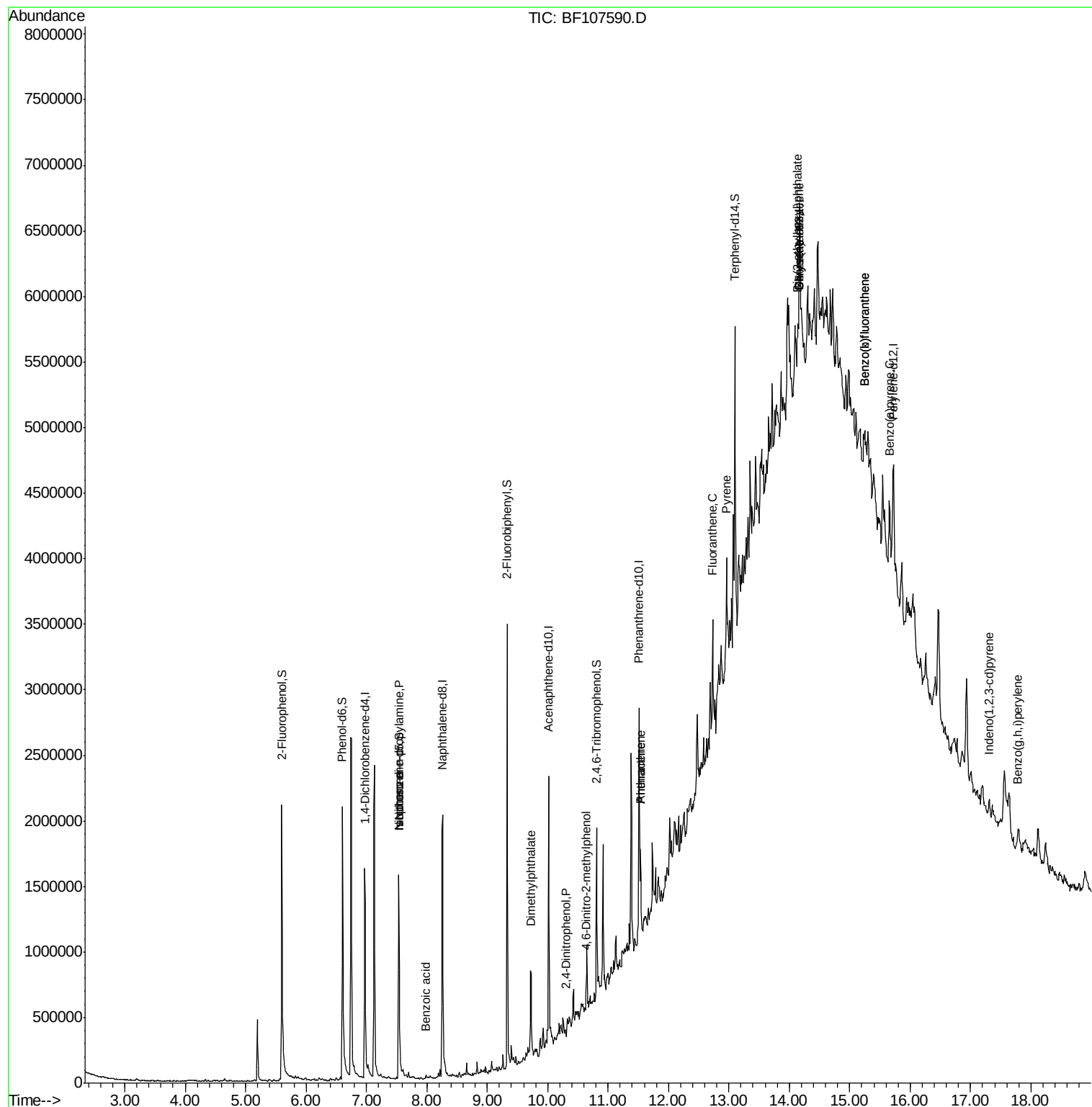
						Qvalue
9) Benzaldehyde	6.74	77	17716	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.54	70	79513	5.534 ng	#	83
25) Isophorone	7.54	82	591951	16.879 ng	#	64
32) Benzoic acid	7.98	122	170	7.913 ng		87
49) Dimethylphthalate	9.72	163	222923	7.205 ng		100
53) 2,4-Dinitrophenol	10.31	184	680	8.605 ng	#	32
64) 4,6-Dinitro-2-methylphenol	10.63	198	599	8.826 ng	#	1
70) Phenanthrene	11.54	178	237606	6.948 ng		98
71) Anthracene	11.54	178	237606	6.900 ng		98
73) Di-n-butylphthalate	12.06	149	49255	Below Cal	#	84
74) Fluoranthene	12.74	202	387066	10.547 ng		95
77) Pyrene	12.97	202	386884	11.004 ng		96
80) Benzo(a)anthracene	14.17	228	156880	5.208 ng	#	96
81) 3,3'-Dichlorobenzidine	14.12	252	3199	Below Cal	#	1
82) Chrysene	14.17	228	156880	5.422 ng		94
83) Bis(2-ethylhexyl)phthalate	14.13	149	59789	2.803 ng	#	87
85) Indeno(1,2,3-cd)pyrene	17.31	276	67982	2.772 ng		96
87) Benzo(b)fluoranthene	15.26	252	200845	9.125 ng	#	31
88) Benzo(k)fluoranthene	15.26	252	200845	9.314 ng	#	35
89) Benzo(a)pyrene	15.65	252	101625	5.048 ng	#	39
91) Benzo(g,h,i)perylene	17.79	276	75616	4.405 ng	#	84

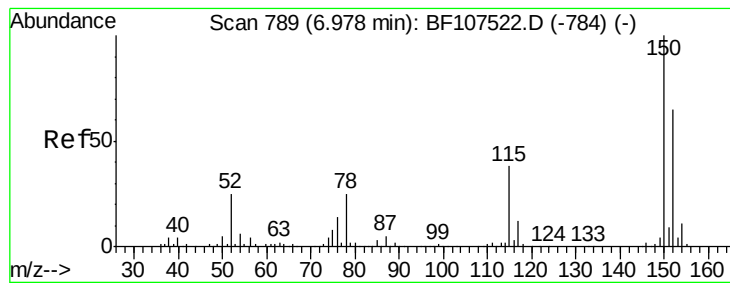
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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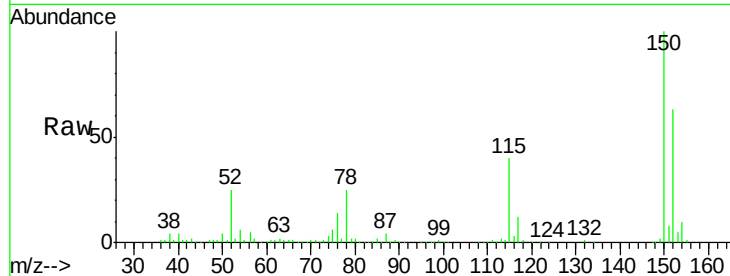


#1

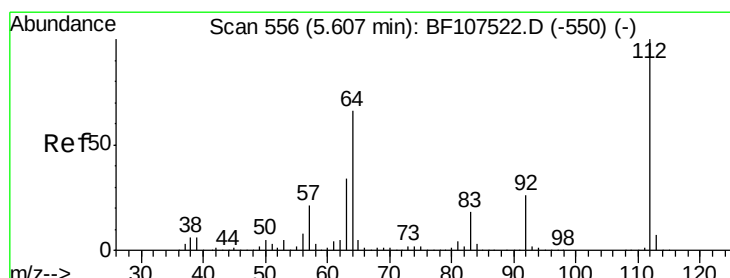
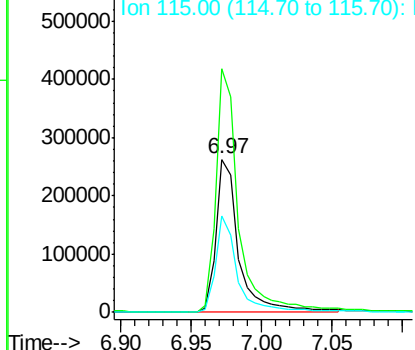
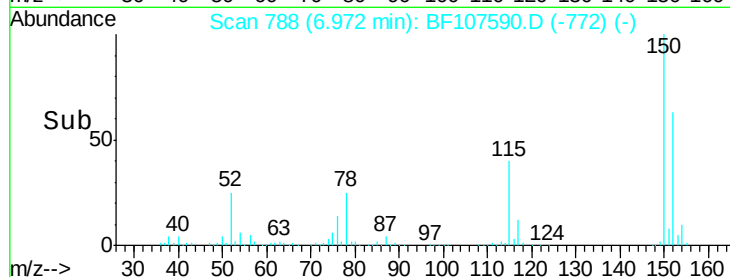
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107590.D
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Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tgt Ion:152 Resp: 297804
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 63.1 50.1 75.1



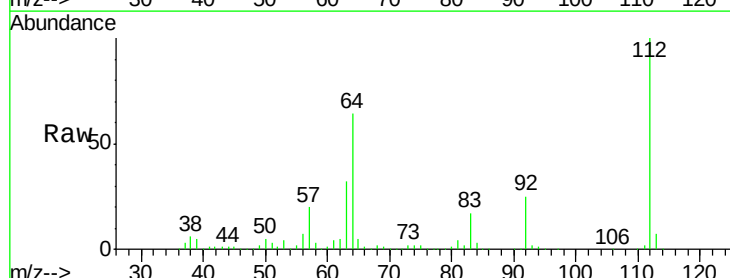
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



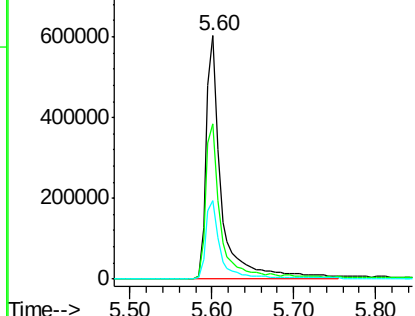
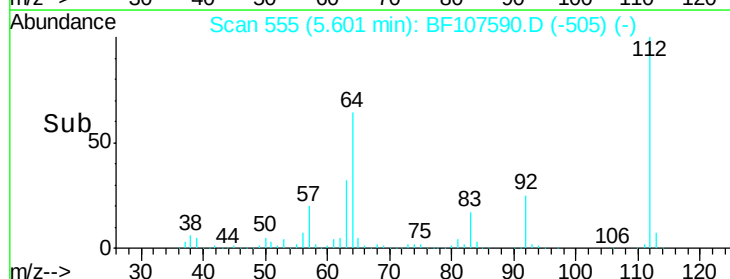
#5

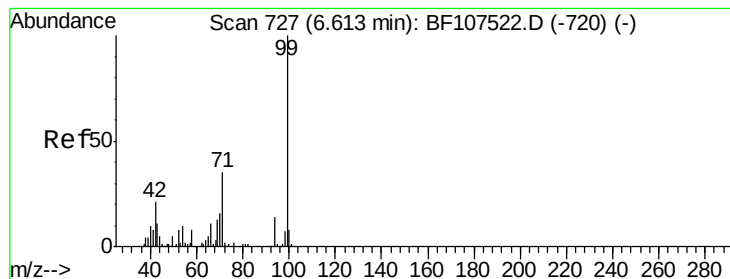
2-Fluorophenol
Concen: 42.724 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion:112 Resp: 791357
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.0 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: 45.369 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

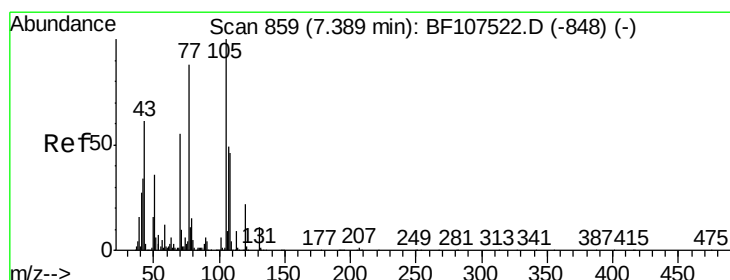
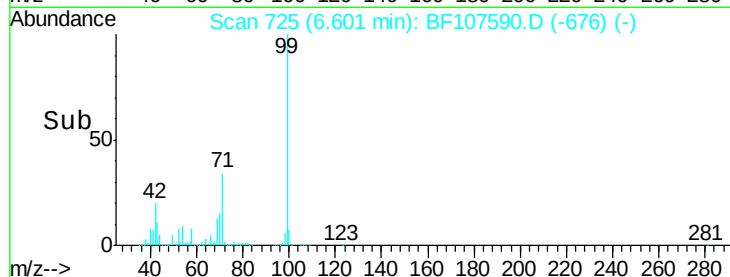
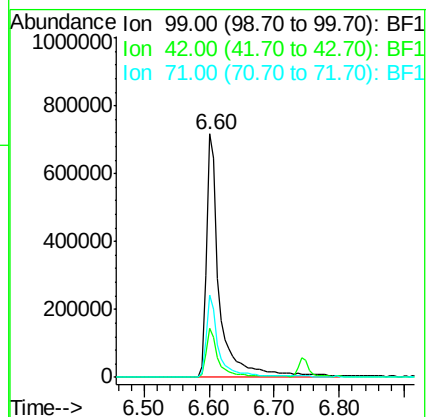
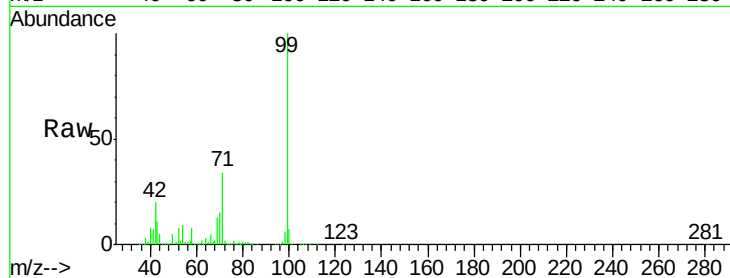
Tgt Ion: 99 Resp: 1009019

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.534 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Tgt Ion: 70 Resp: 79513

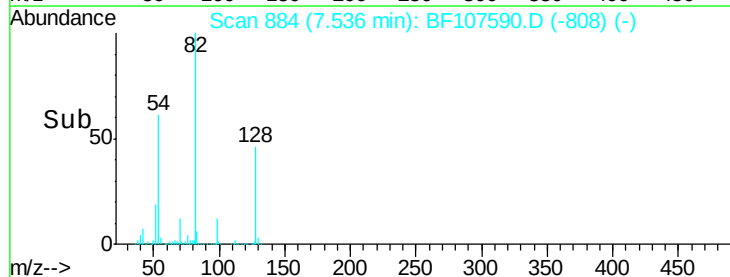
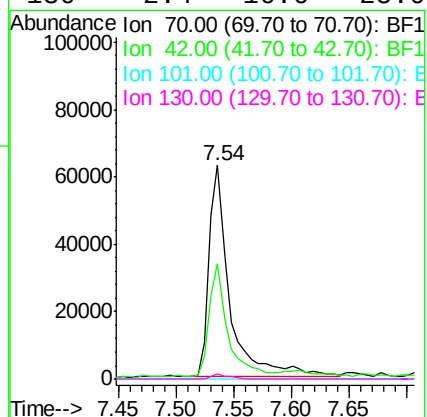
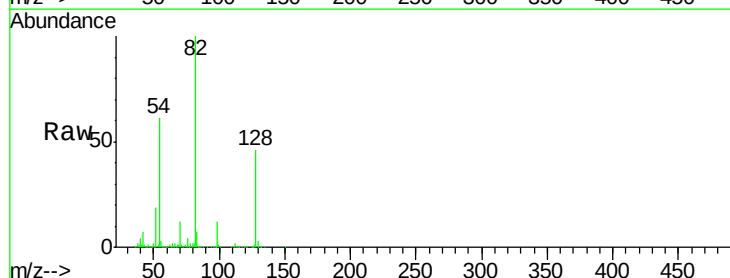
Ion Ratio Lower Upper

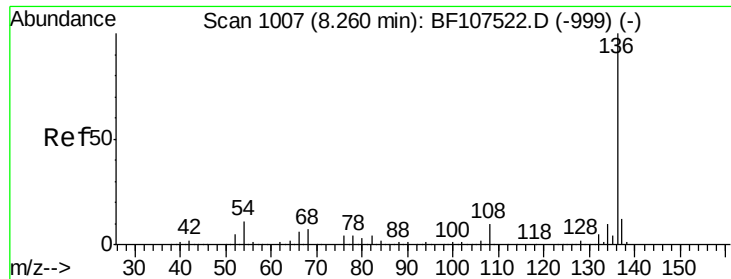
70 100

42 54.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



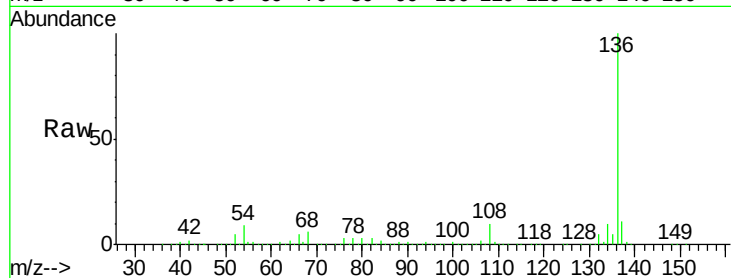


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

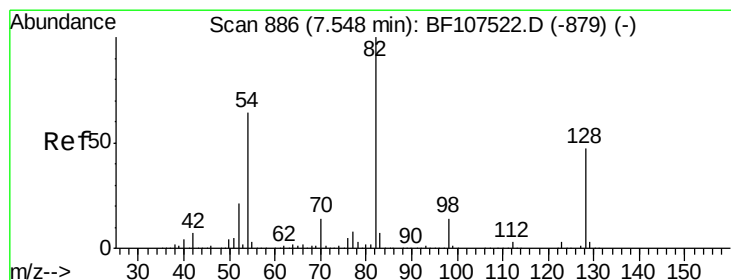
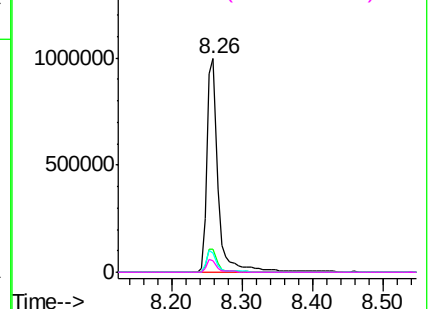
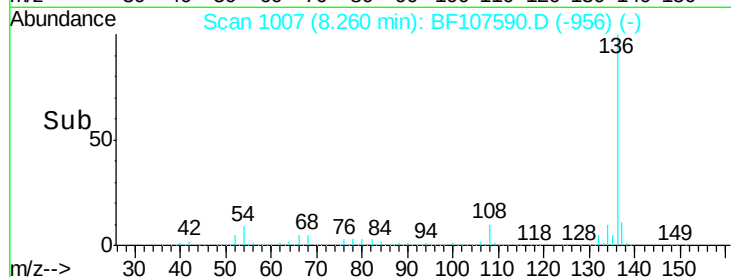
Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tgt Ion: 136 Resp: 1108497

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	6.6	9.8
68	5.5	5.0	7.4



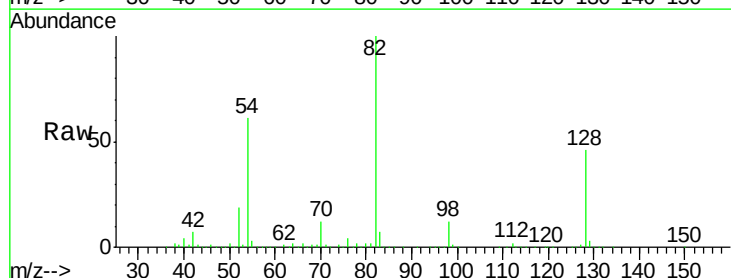
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



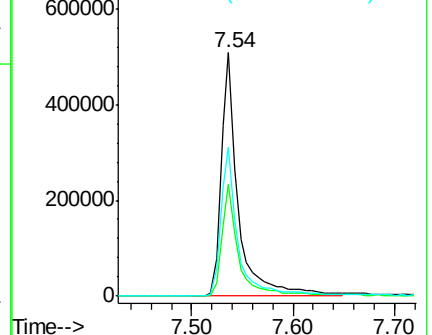
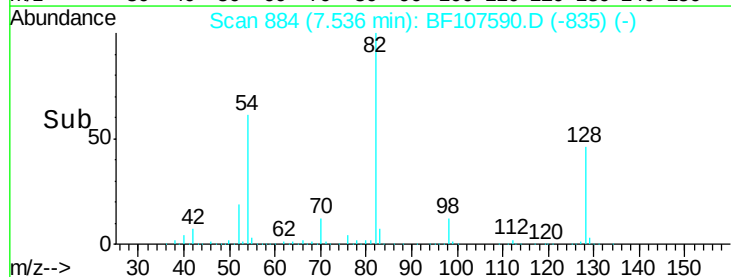
#23
Nitrobenzene-d5
Concen: 36.261 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

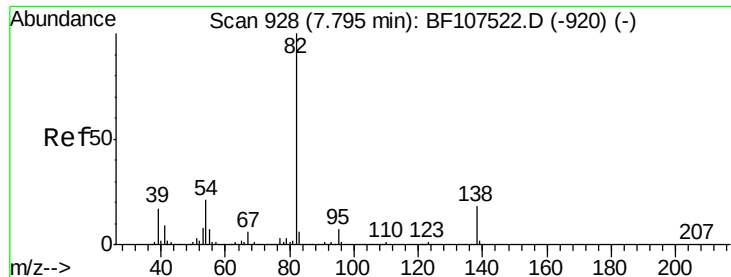
Tgt Ion: 82 Resp: 595587

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	61.2	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: 16.879 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

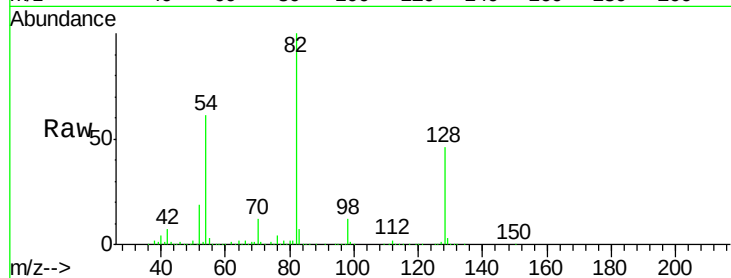
Tgt Ion: 82 Resp: 591951

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

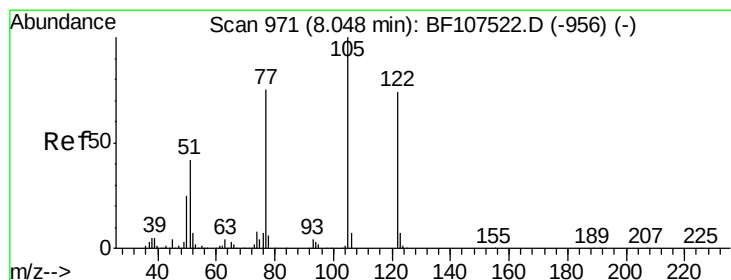
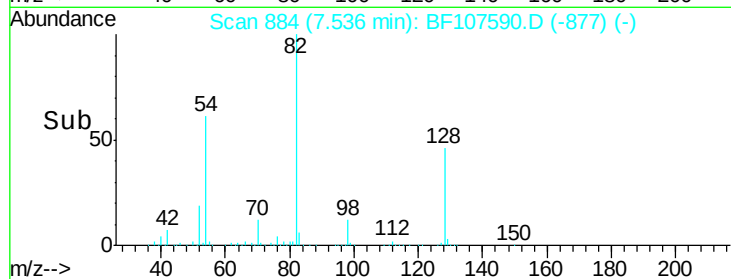
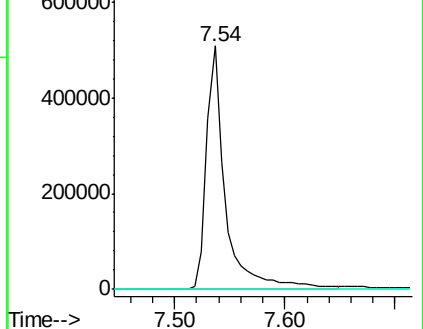
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.913 ng

RT: 7.98 min Scan# 959

Delta R.T. -0.07 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

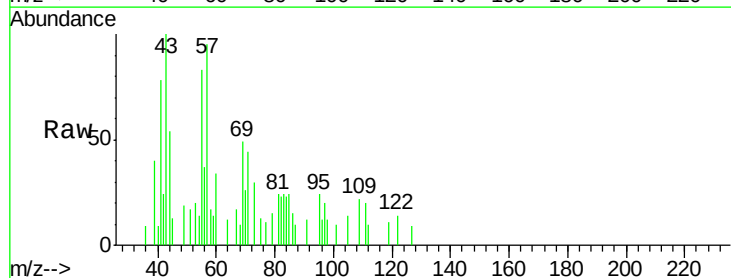
Tgt Ion: 122 Resp: 170

Ion Ratio Lower Upper

122 100

105 105.4 101.1 141.1

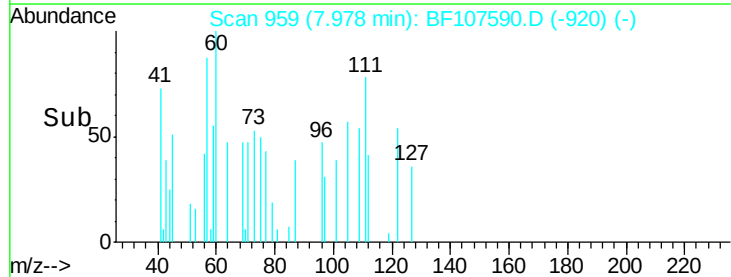
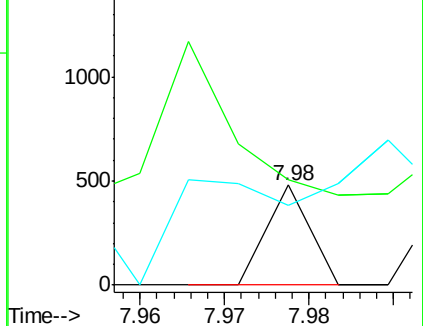
77 79.8 70.7 110.7

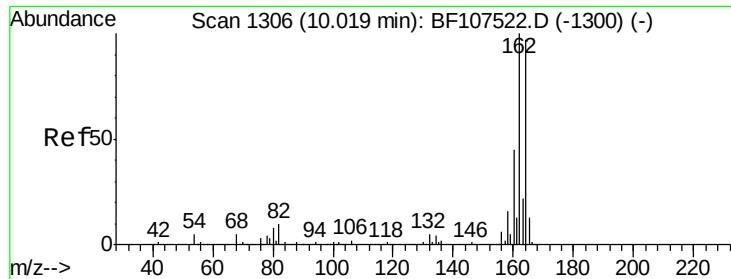


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

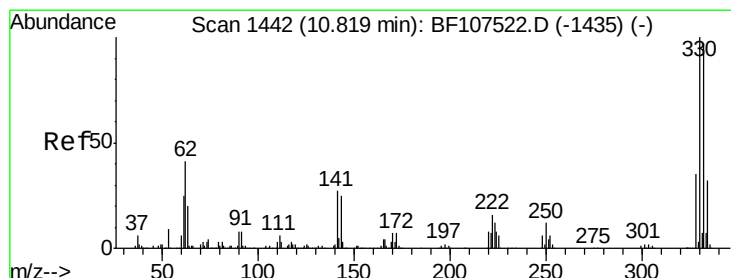
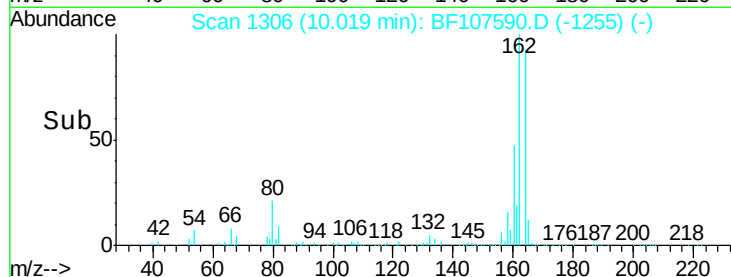
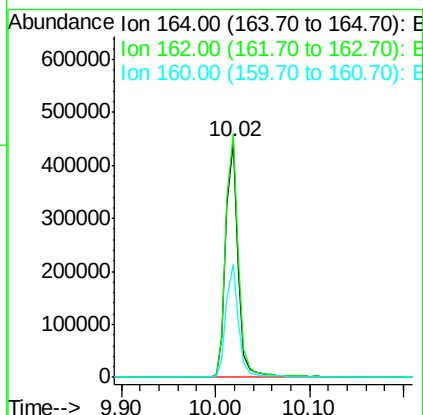
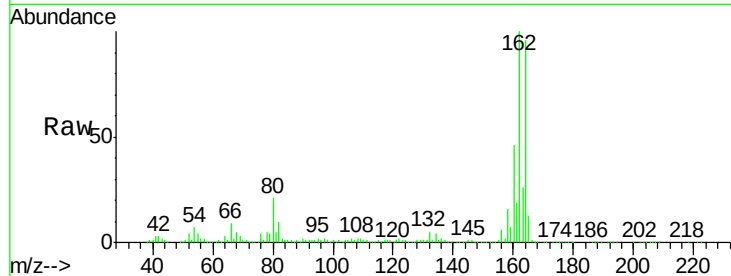




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

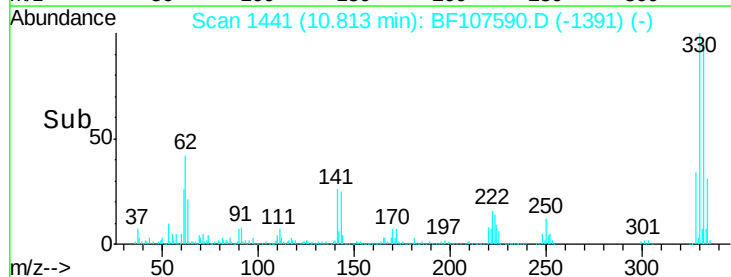
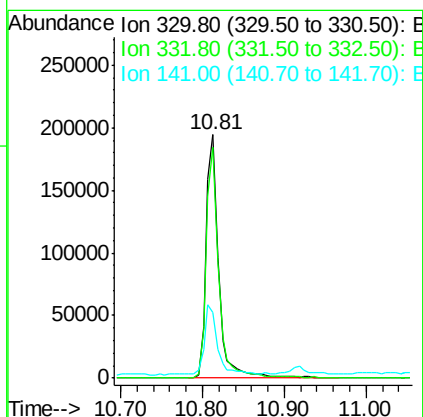
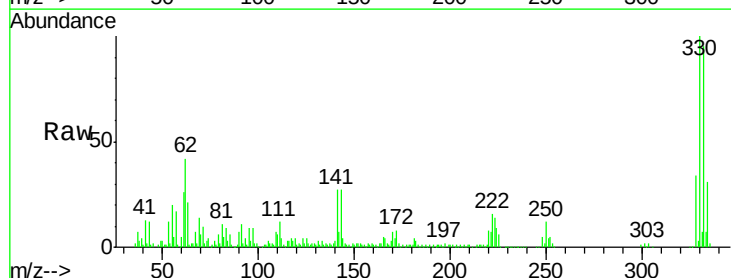
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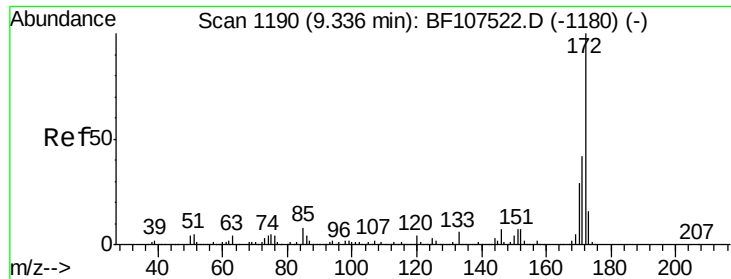
Tgt Ion:164 Resp: 410532
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 48.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 44.656 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion:330 Resp: 208470
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 29.1 29.9 44.9#

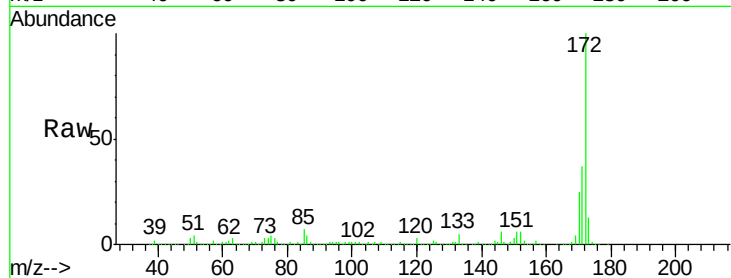




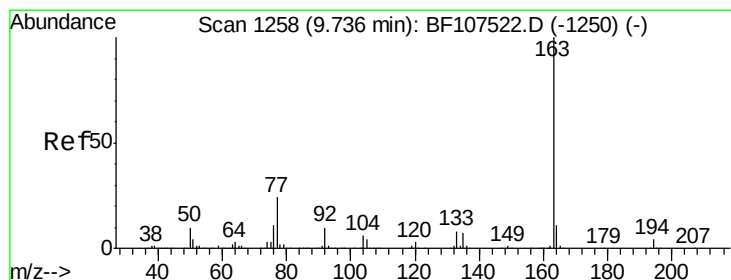
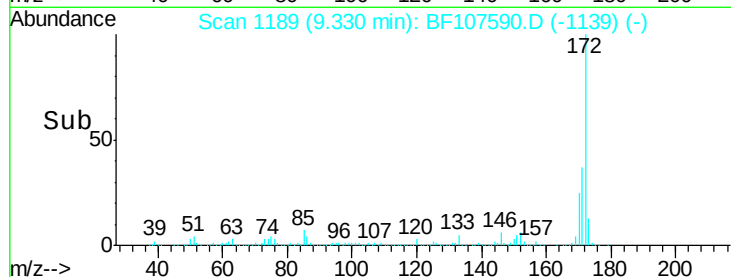
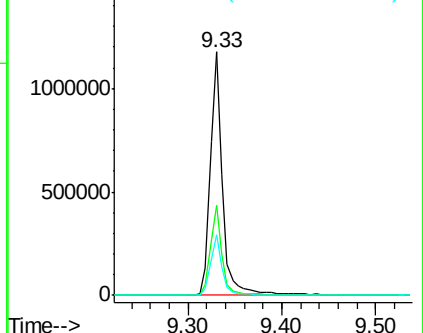
#44
 2-Fluorobiphenyl
 Concen: 38.224 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Tgt Ion:172 Resp: 1092829
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.8 19.6 29.4

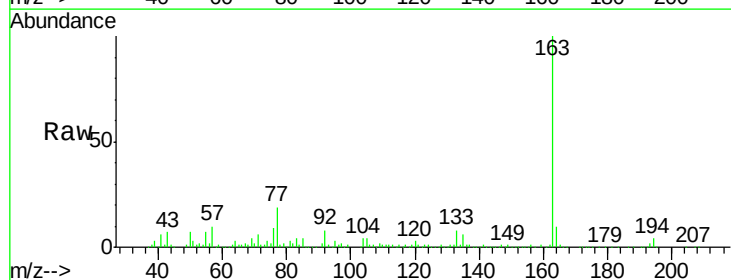


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

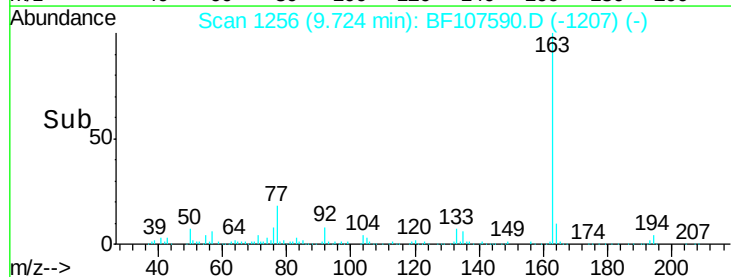
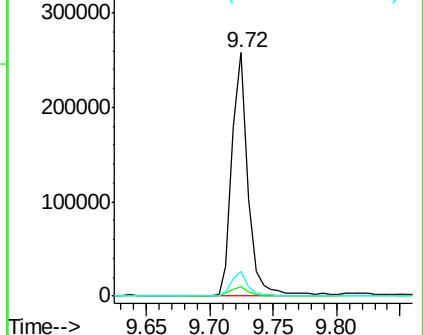


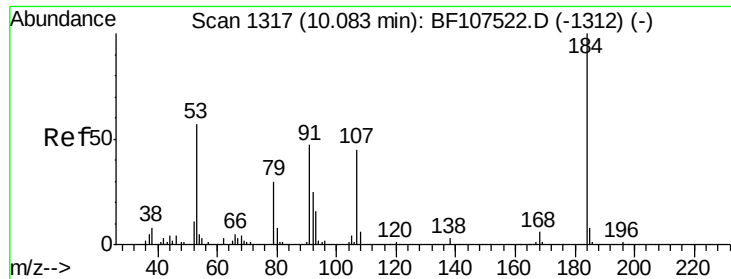
#49
 Dimethylphthalate
 Concen: 7.205 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion:163 Resp: 222923
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.2 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

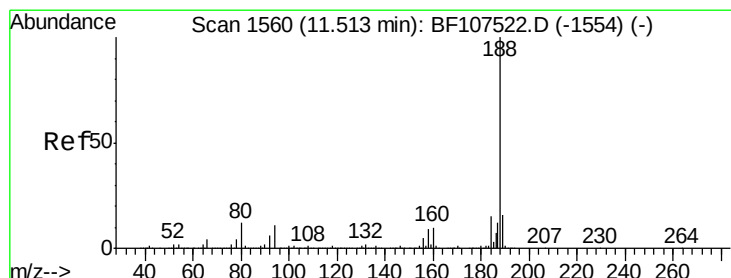
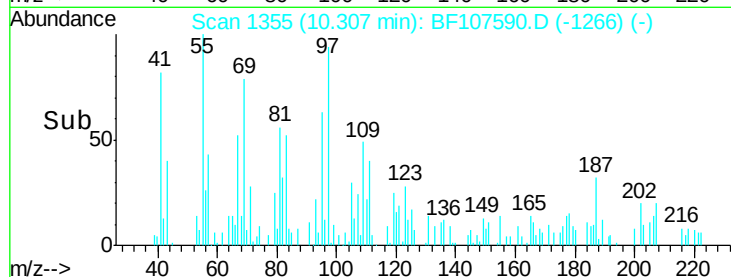
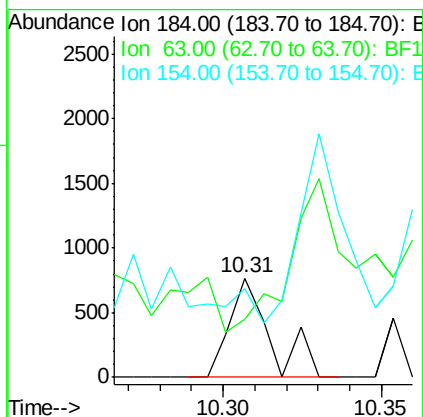
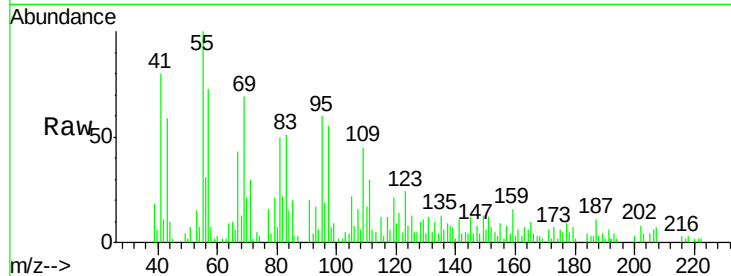




#53
2,4-Dinitrophenol
Concen: 8.605 ng
RT: 10.31 min Scan# 1355
Delta R.T. 0.22 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

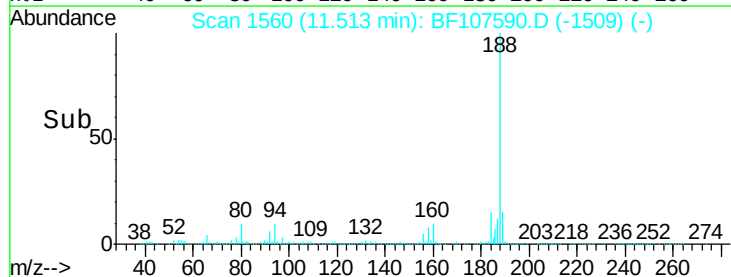
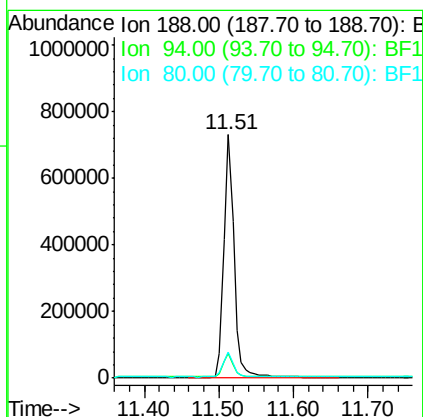
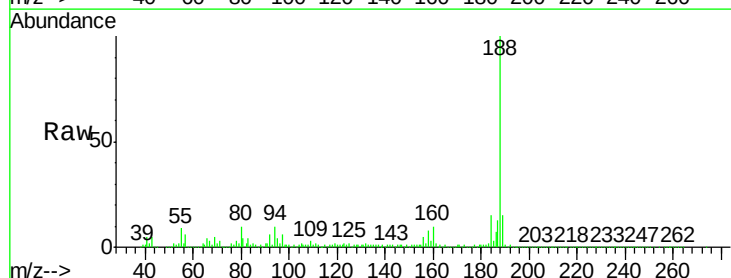
Instrument :
BNA_F
ClientSampleId :
SB6-12-7

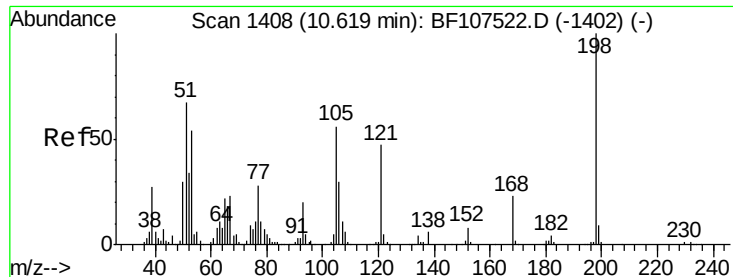
Tgt Ion:184 Resp: 680
Ion Ratio Lower Upper
184 100
63 58.5 54.2 81.2
154 89.3 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion:188 Resp: 701806
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.5 9.2 13.8

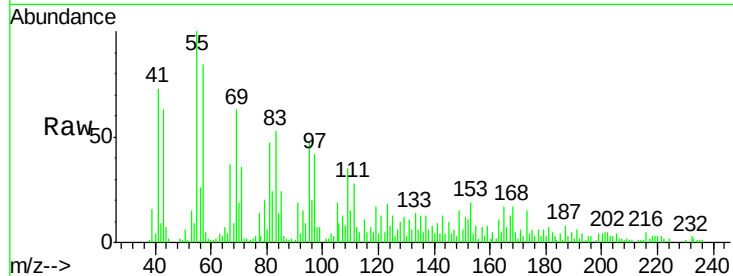




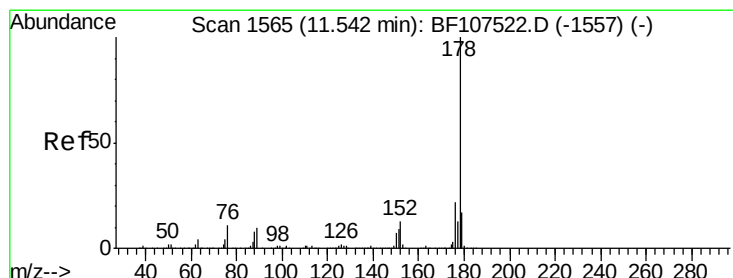
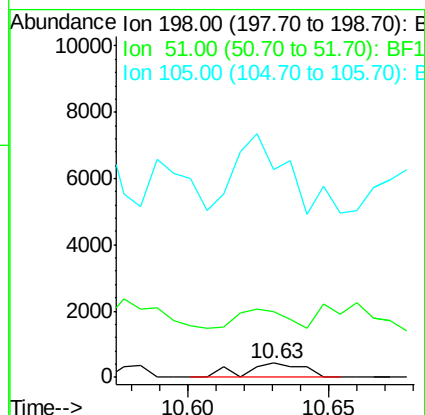
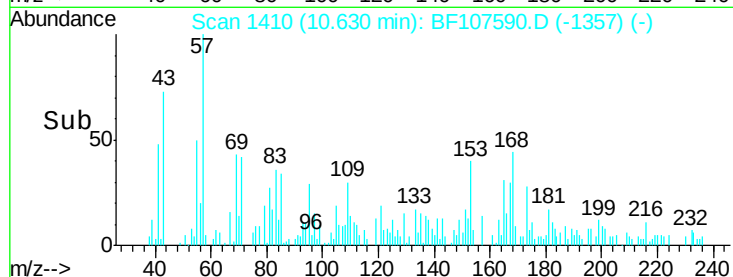
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.826 ng
 RT: 10.63 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampled :
 SB6-12-7

Tgt Ion:198 Resp: 599
 Ion Ratio Lower Upper
 198 100
 51 459.1 37.7 77.7#
 105 1447.1 36.3 76.3#

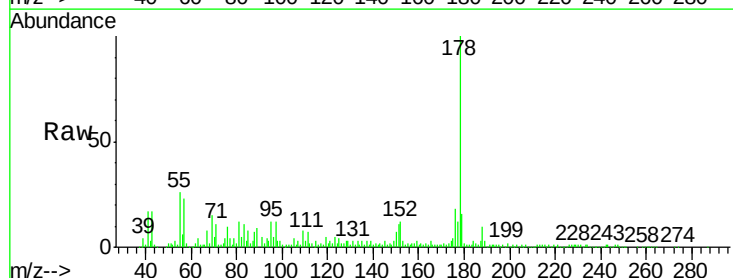


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

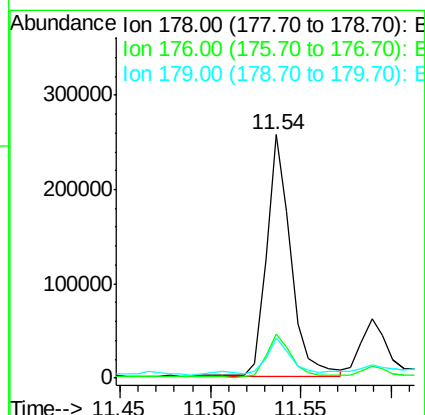
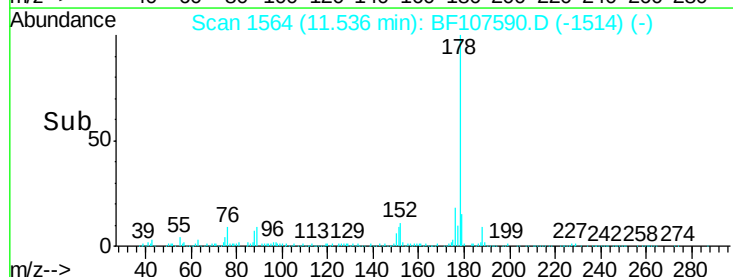


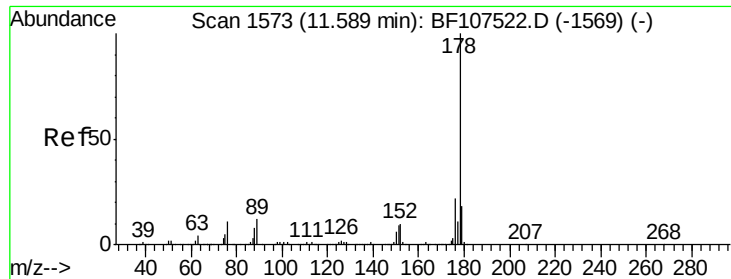
#70
 Phenanthrene
 Concen: 6.948 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion:178 Resp: 237606
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 16.5 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

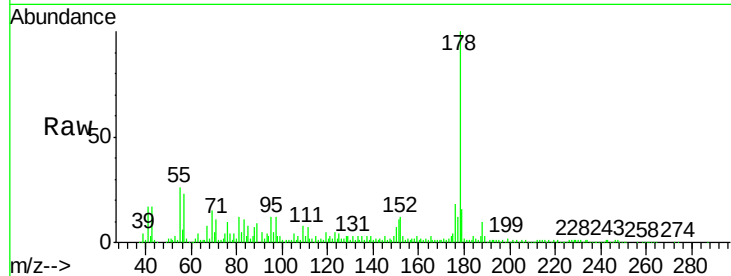




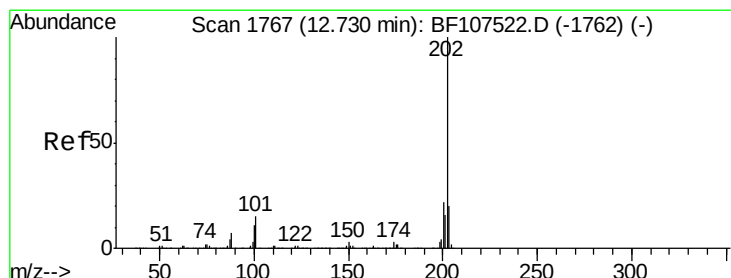
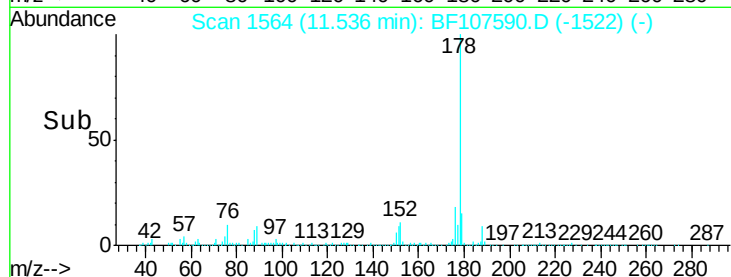
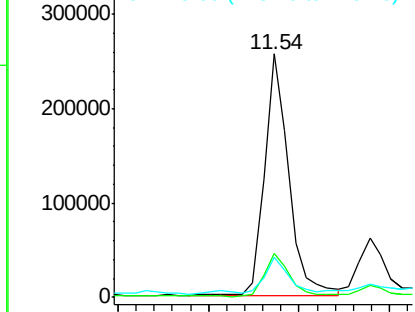
#71
 Anthracene
 Concen: 6.900 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.05 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Tgt Ion:178 Resp: 237606
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.5 12.6 19.0

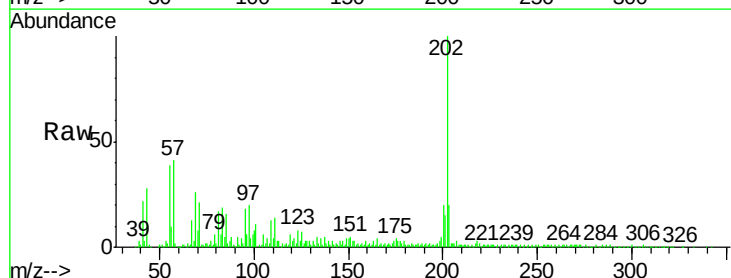


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

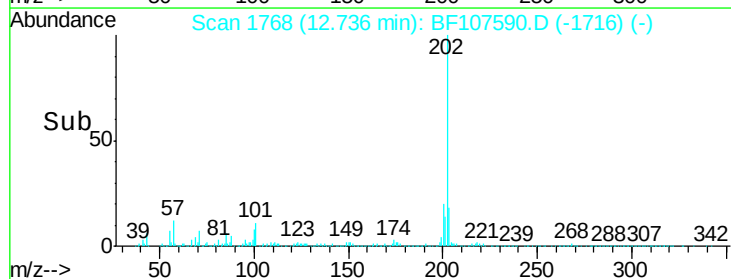
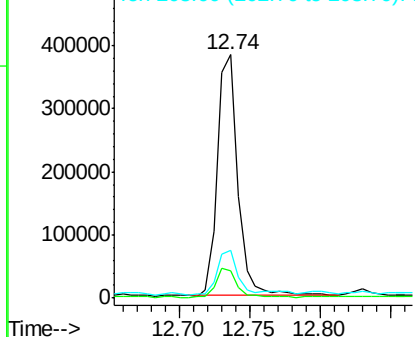


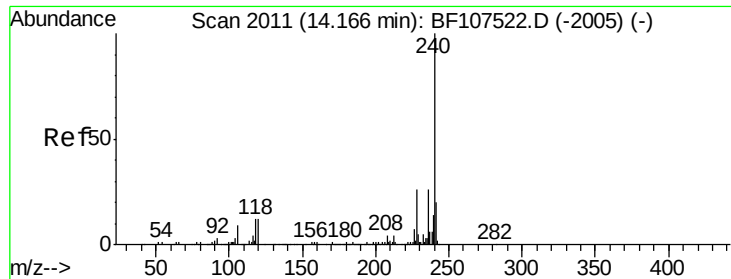
#74
 Fluoranthene
 Concen: 10.547 ng
 RT: 12.74 min Scan# 1768
 Delta R.T. 0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion:202 Resp: 387066
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.1
 203 19.6 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: 14.17 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

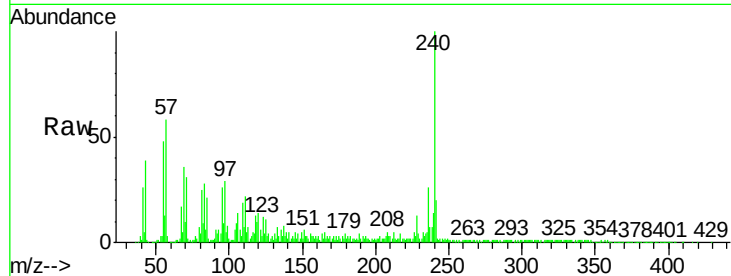
Tgt Ion:240 Resp: 514000

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

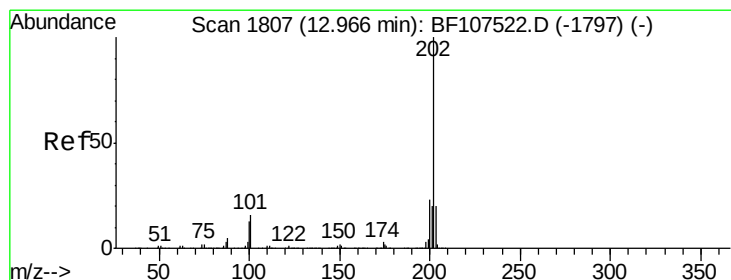
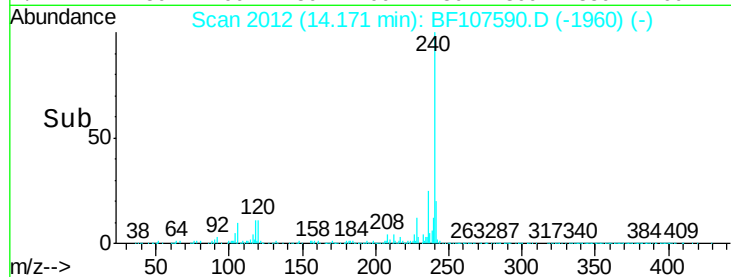
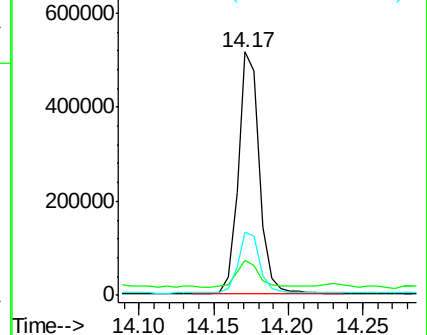
236 26.0 20.7 31.1



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

Pyrene

Concen: 11.004 ng

RT: 12.97 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

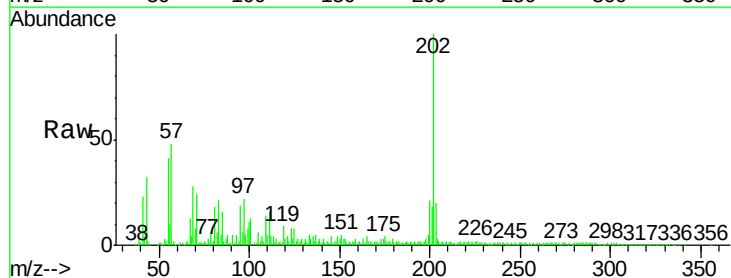
Tgt Ion:202 Resp: 386884

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

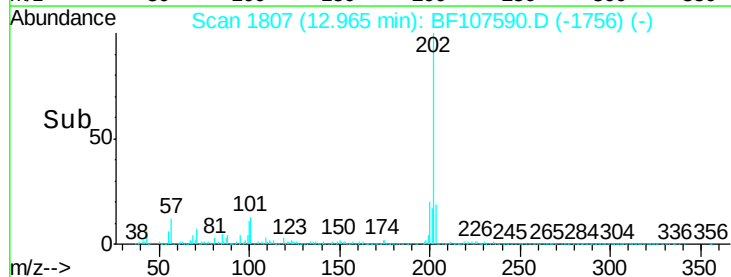
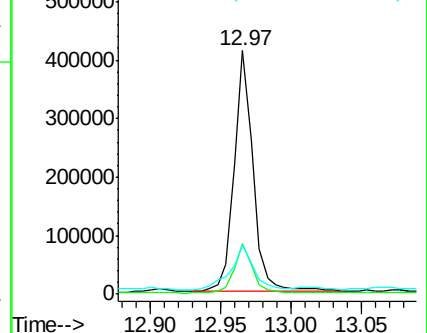
203 20.3 14.3 21.5

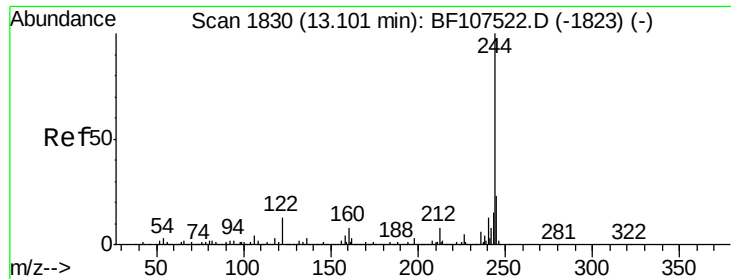


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.288 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

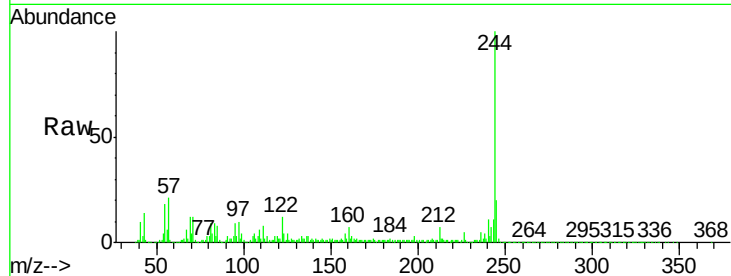
Tgt Ion:244 Resp: 869104

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

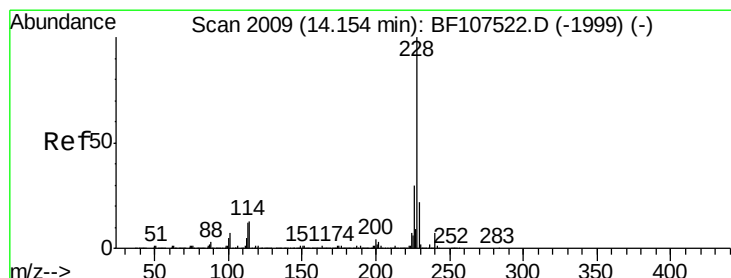
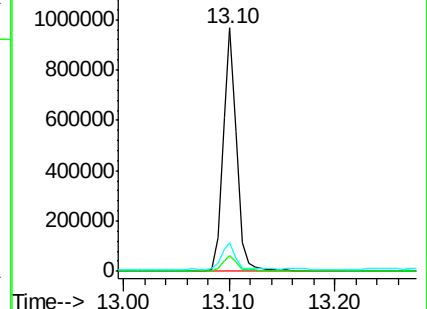
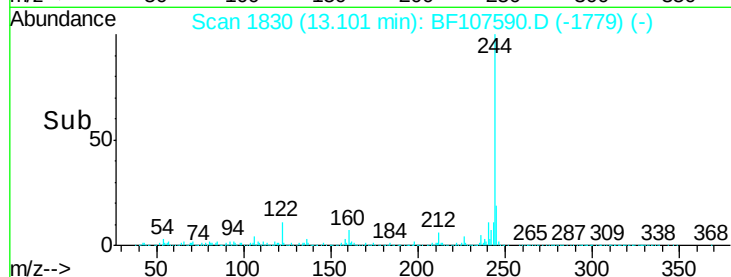
122 11.9 11.0 16.4



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: 5.208 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

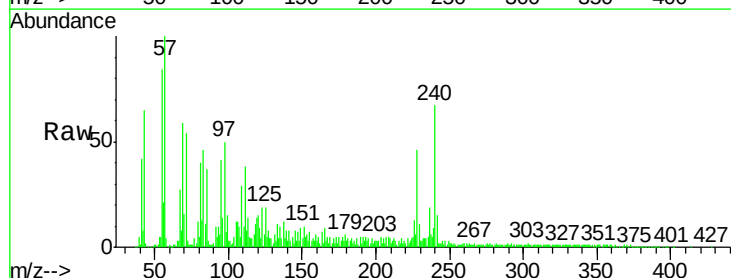
Tgt Ion:228 Resp: 156880

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

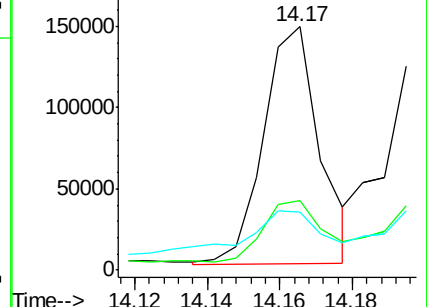
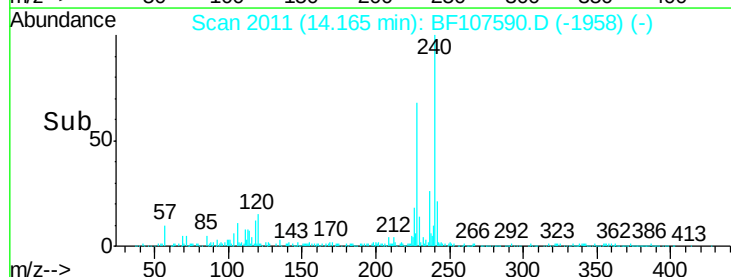
229 24.0 15.8 23.6#

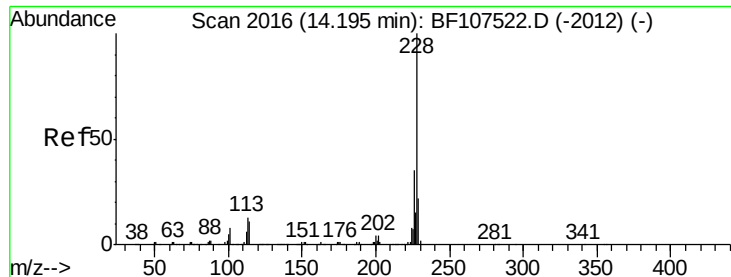


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.422 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

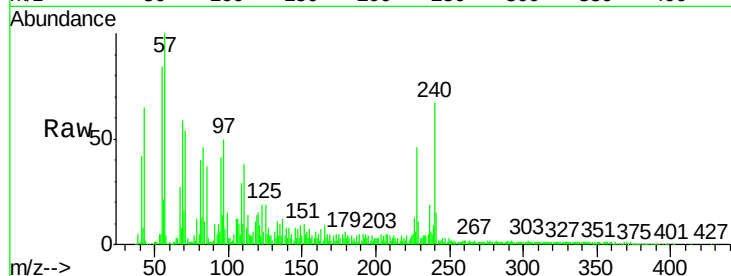
Tgt Ion: 228 Resp: 156880

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

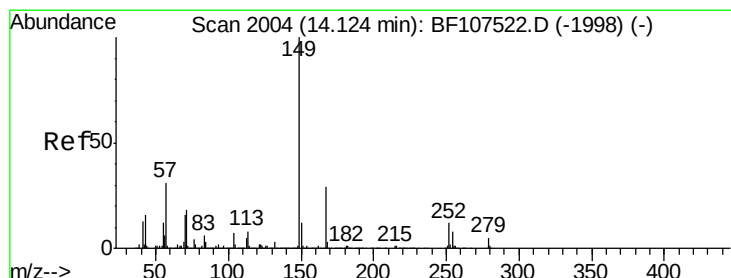
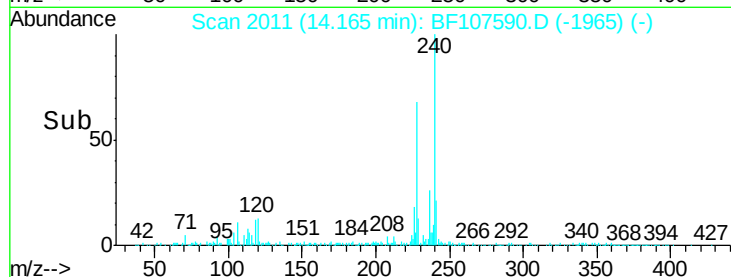
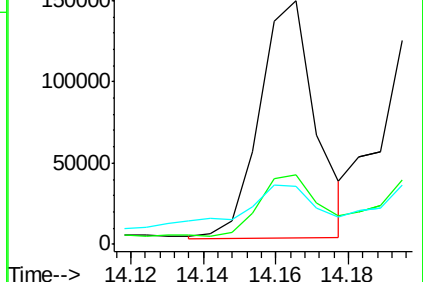
229 24.0 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.803 ng

RT: 14.13 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

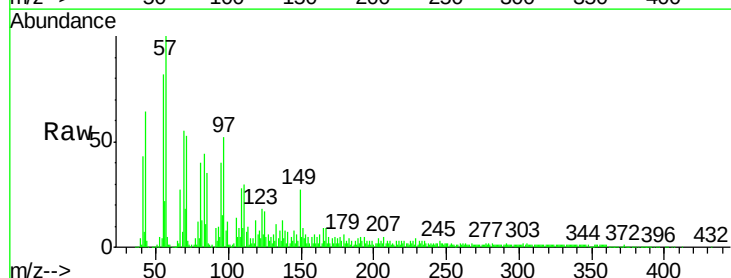
Tgt Ion: 149 Resp: 59789

Ion Ratio Lower Upper

149 100

167 33.6 21.3 31.9#

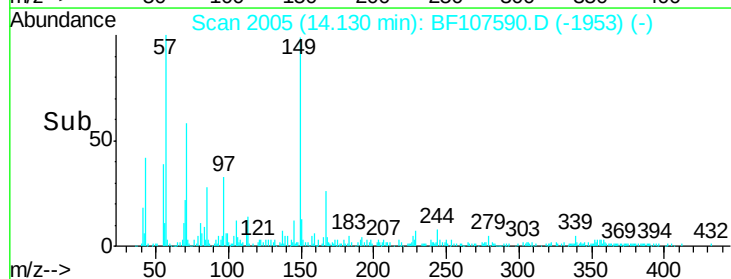
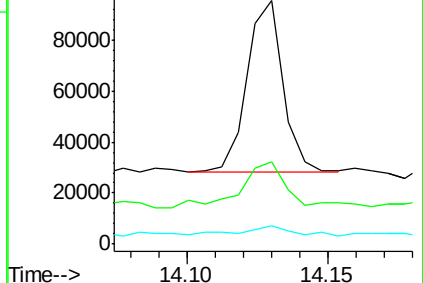
279 7.8 3.0 4.4#

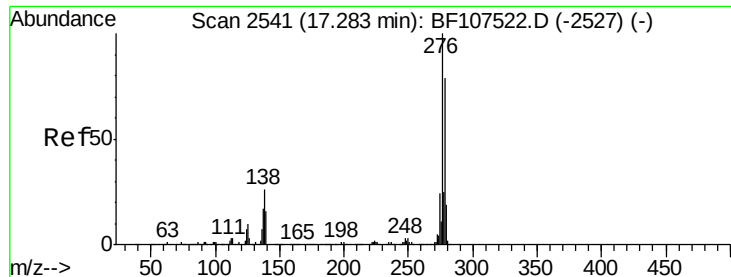


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

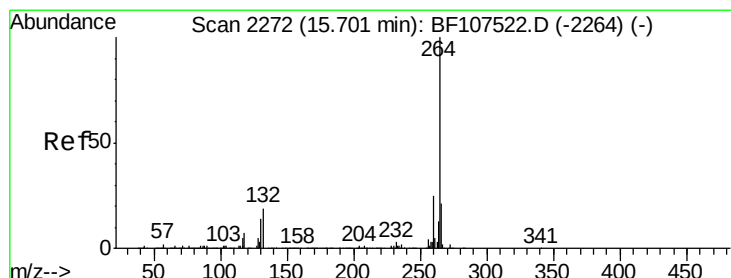
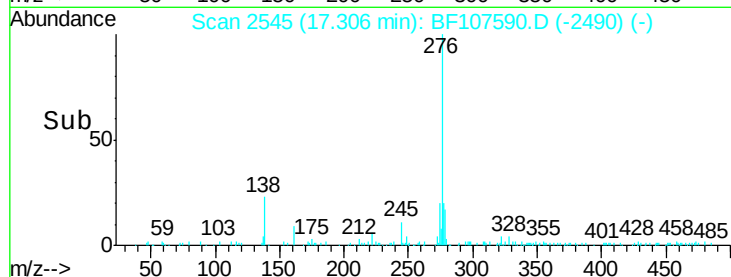
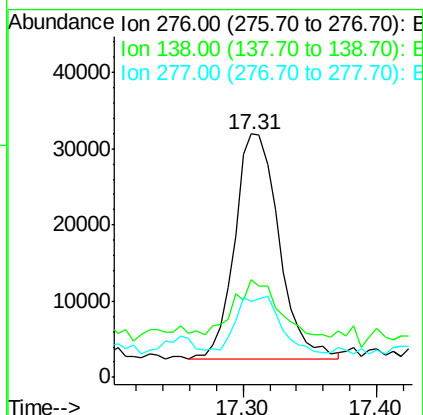
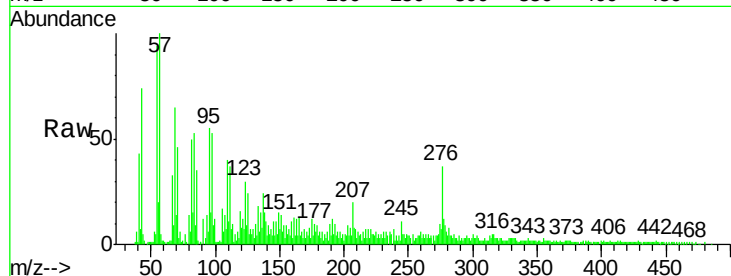




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.772 ng
 RT: 17.31 min Scan# 2545
 Delta R.T. 0.02 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

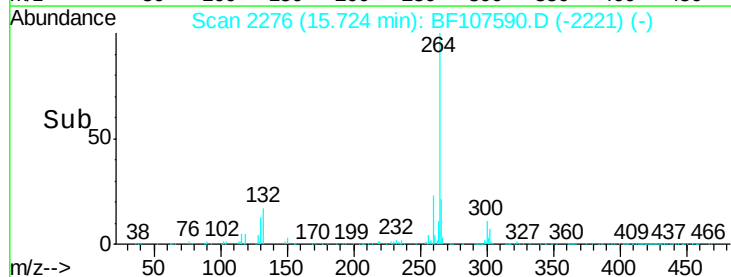
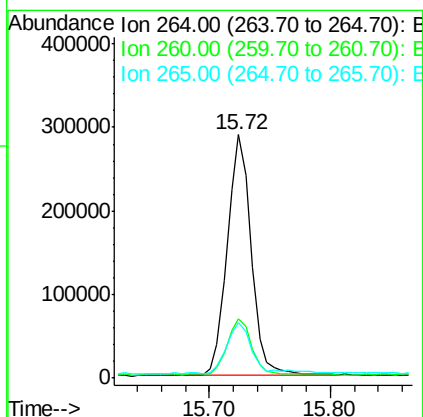
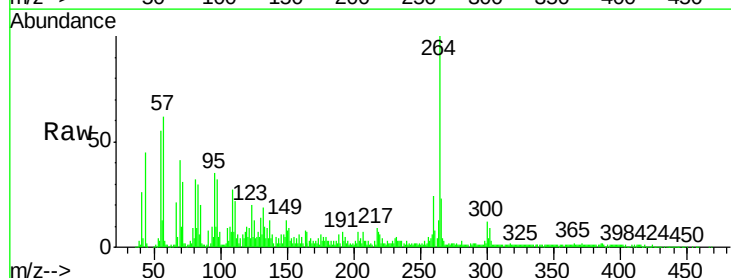
Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

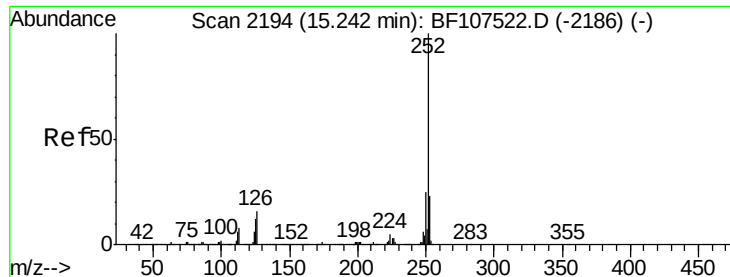
Tgt Ion:276 Resp: 67982
 Ion Ratio Lower Upper
 276 100
 138 27.9 25.0 37.6
 277 24.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.72 min Scan# 2276
 Delta R.T. 0.02 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion:264 Resp: 402168
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 9.125 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

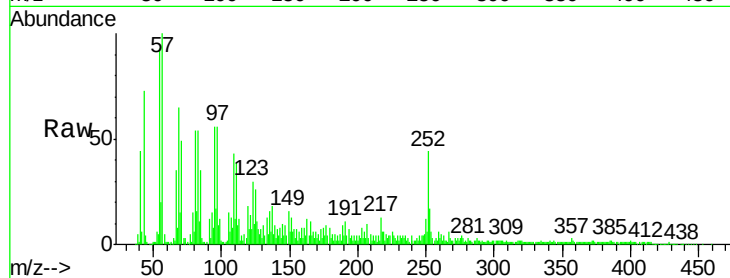
Tgt Ion:252 Resp: 200845

Ion Ratio Lower Upper

252 100

253 39.6 17.0 25.6#

125 59.2 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

120000

100000

80000

60000

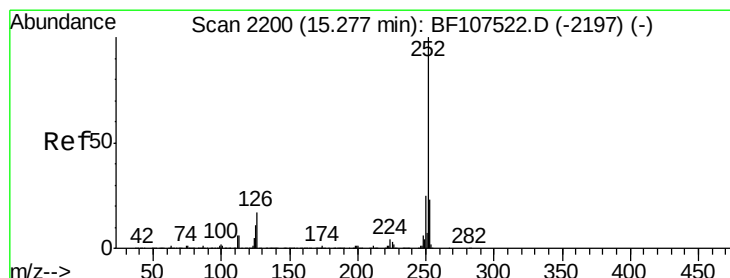
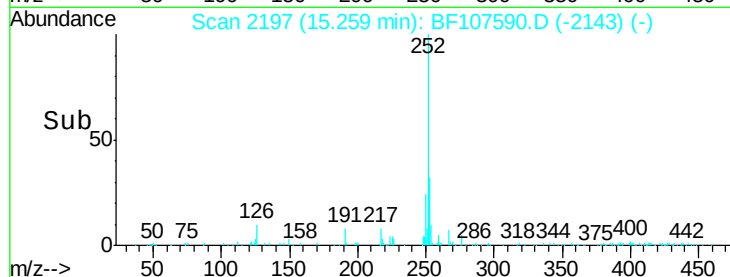
40000

20000

0

15.20 15.25 15.30 15.35

Time-->



#88

Benzo(k)fluoranthene

Concen: 9.314 ng

RT: 15.26 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

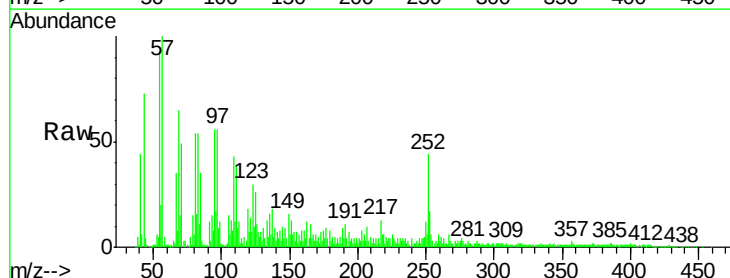
Tgt Ion:252 Resp: 200845

Ion Ratio Lower Upper

252 100

253 39.6 17.9 26.9#

125 59.2 10.2 15.2#



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

120000

100000

80000

60000

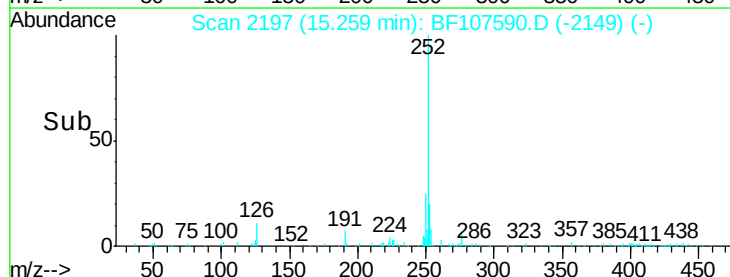
40000

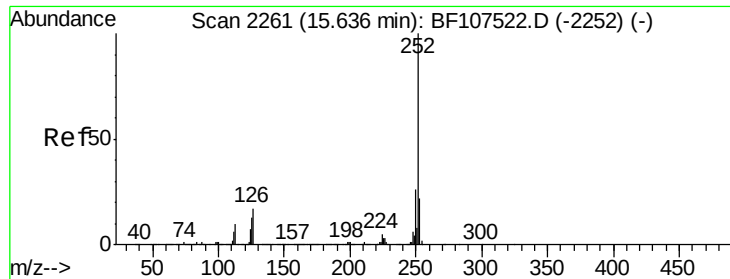
20000

0

15.20 15.25 15.30 15.35

Time-->





#89

Benzo(a)pyrene

Concen: 5.048 ng

RT: 15.65 min Scan# 2264

Delta R.T. 0.02 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampled :

SB6-12-7

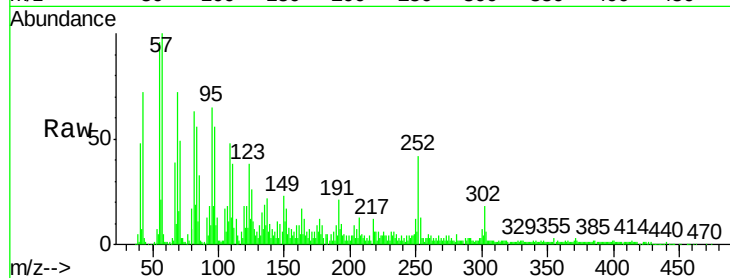
Tgt Ion:252 Resp: 101625

Ion Ratio Lower Upper

252 100

253 31.2 17.1 25.7#

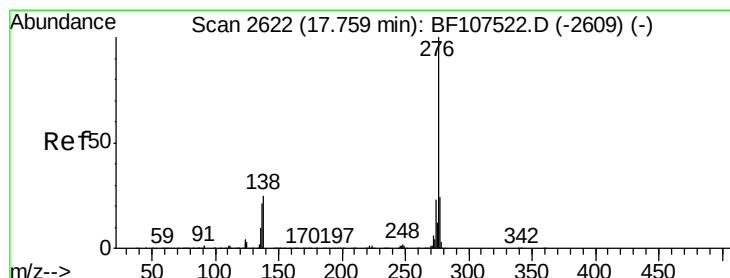
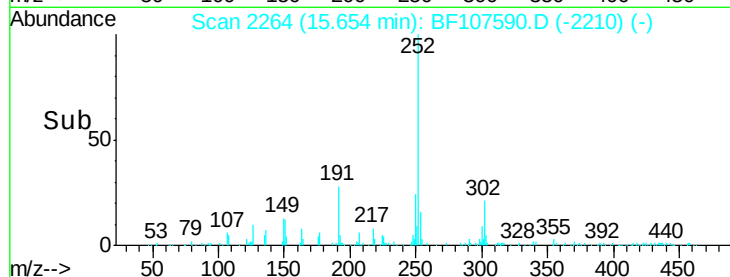
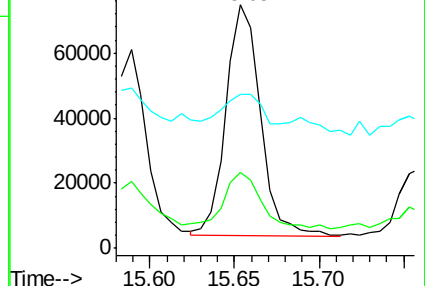
125 63.3 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.405 ng

RT: 17.79 min Scan# 2628

Delta R.T. 0.04 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

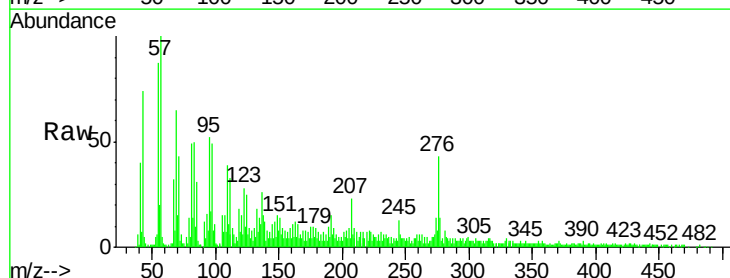
Tgt Ion:276 Resp: 75616

Ion Ratio Lower Upper

276 100

277 31.8 17.9 26.9#

138 33.8 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

