

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107458.D
 Acq On : 17 Jul 2018 19:14
 Operator : JU/SJ
 Sample : J3906-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-7-8-6-ST-EW-1@3

Quant Time: Jul 18 01:20:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	125858	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	450938	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	218871	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	424671	20.00	ng	0.00
75) Chrysene-d12	14.17	240	404518	20.00	ng	0.00
86) Perylene-d12	15.71	264	228669	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	727409	87.78	ng	0.01
7) Phenol-d6	6.61	99	942322	87.95	ng	0.00
23) Nitrobenzene-d5	7.55	82	666232	78.78	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	183623	95.49	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1052240	79.45	ng	0.00
78) Terphenyl-d14	13.11	244	1089733	66.93	ng	0.00

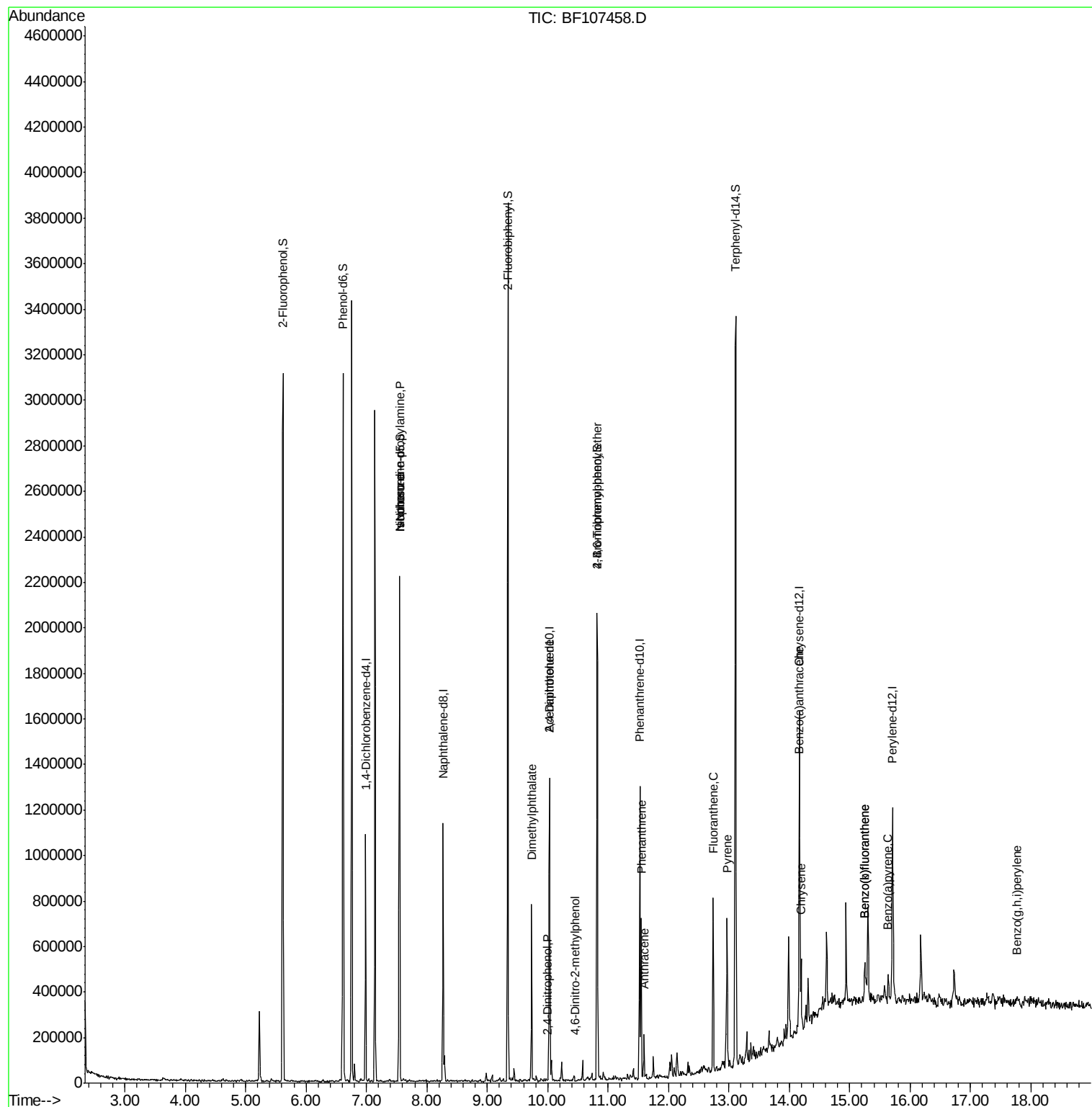
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	113383	14.780	ng	# 79
25) Isophorone	7.55	82	666330	39.753	ng	# 64
49) Dimethylphthalate	9.74	163	270879	15.577	ng	97
53) 2,4-Dinitrophenol	10.00	184	142	2.425	ng	# 1
56) 2,4-Dinitrotoluene	10.03	165	29432	6.805	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.47	198	157	7.547	ng	# 23
66) 4-Bromophenyl-phenylether	10.82	248	21956	4.519	ng	# 1
70) Phenanthrene	11.55	178	224521	10.609	ng	99
71) Anthracene	11.60	178	61065	2.897	ng	97
74) Fluoranthene	12.74	202	282699	11.752	ng	94
77) Pyrene	12.97	202	236770	8.607	ng	96
80) Benzo(a)anthracene	14.16	228	131667	5.320	ng	97
82) Chrysene	14.19	228	100954	4.270	ng	93
87) Benzo(b)fluoranthene	15.25	252	112752	8.424	ng	# 78
88) Benzo(k)fluoranthene	15.25	252	112752	8.632	ng	# 81
89) Benzo(a)pyrene	15.64	252	53035	4.317	ng	# 96
91) Benzo(g,h,i)perylene	17.77	276	23157	2.458	ng	# 81

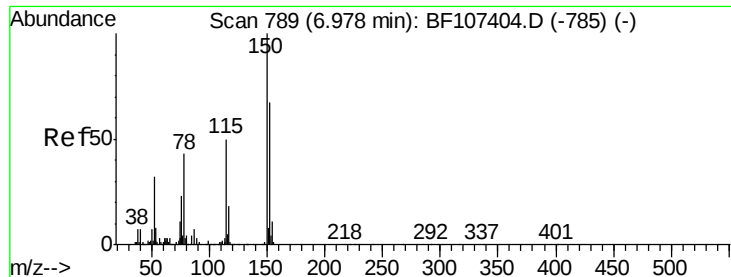
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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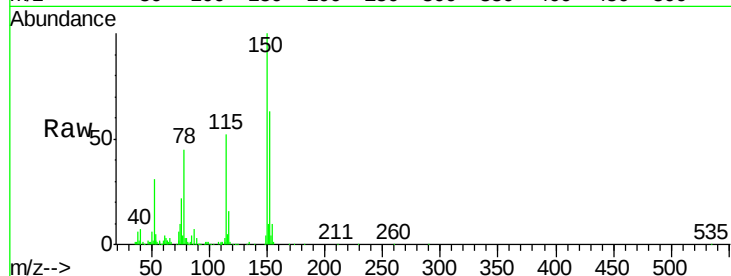


#1

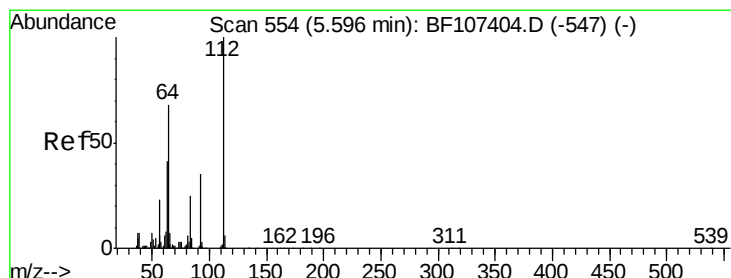
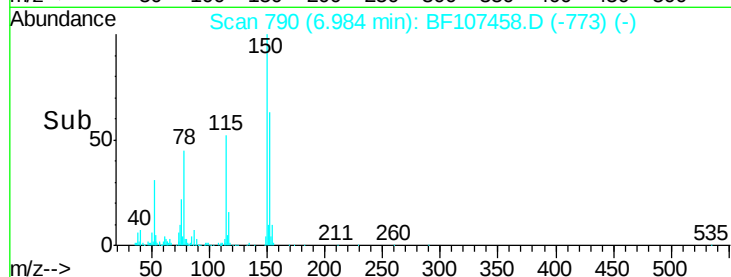
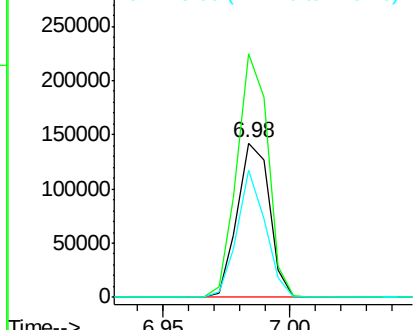
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	82.2	50.1	75.1



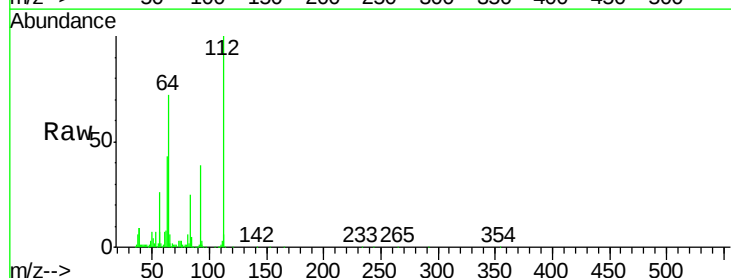
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



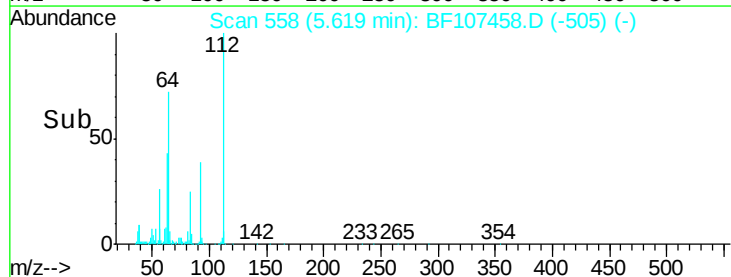
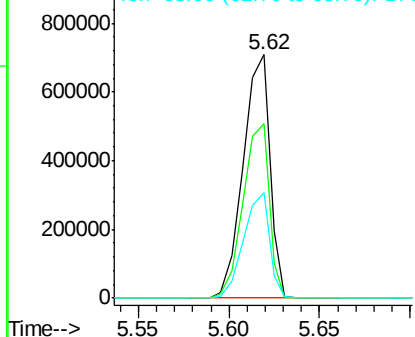
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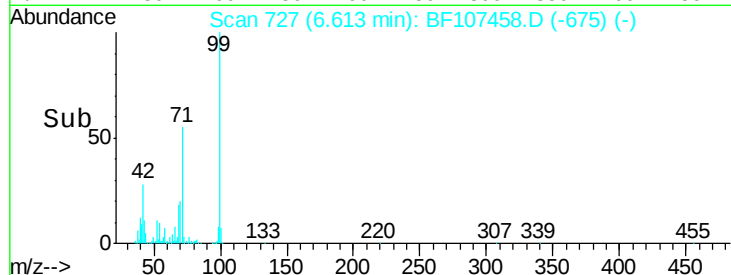
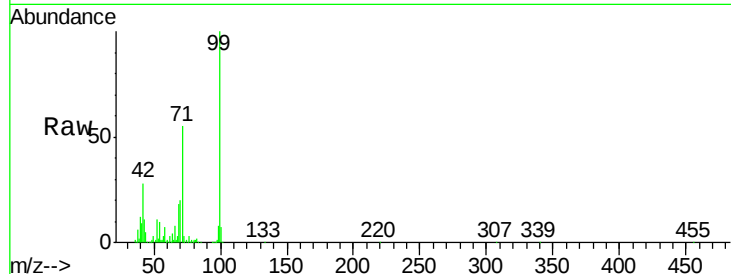
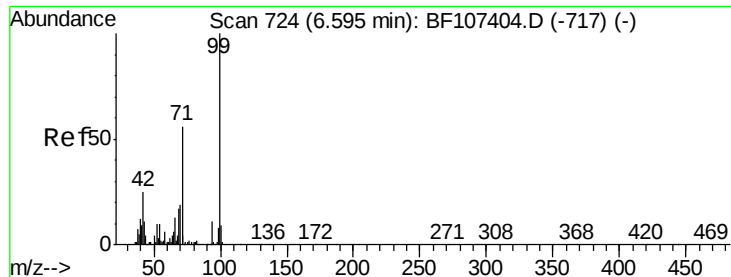
2-Fluorophenol
Concen: 87.777 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	47.9	71.9
63	43.3	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: 87.951 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3

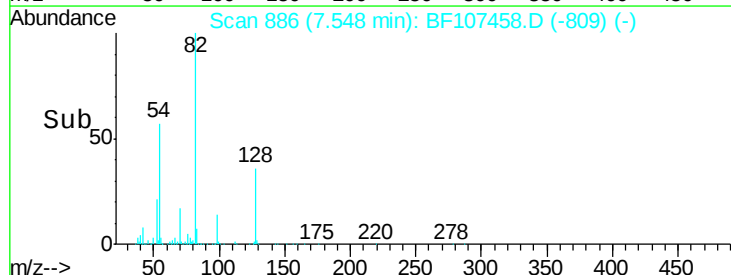
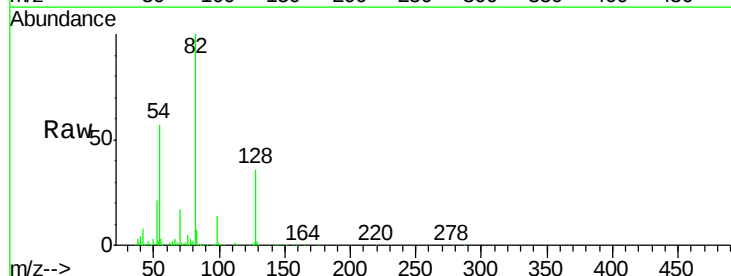
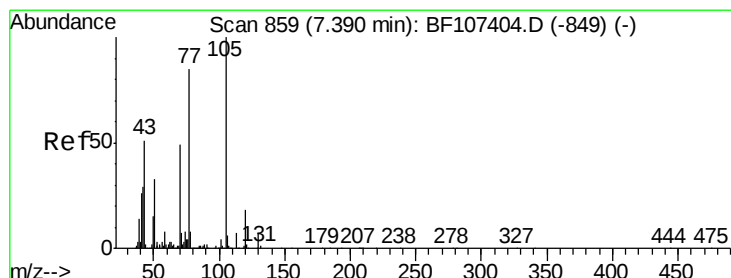
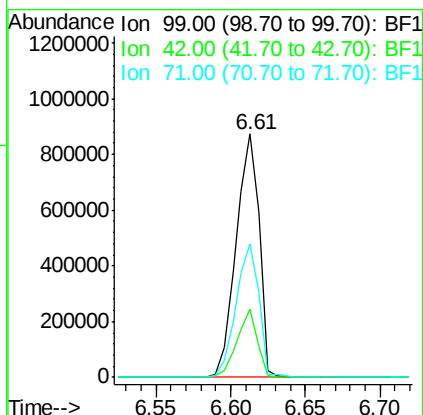
Tgt Ion: 99 Resp: 942322

Ion Ratio Lower Upper

99 100

42 27.8 14.5 21.7#

71 55.0 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.780 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Tgt Ion: 70 Resp: 113383

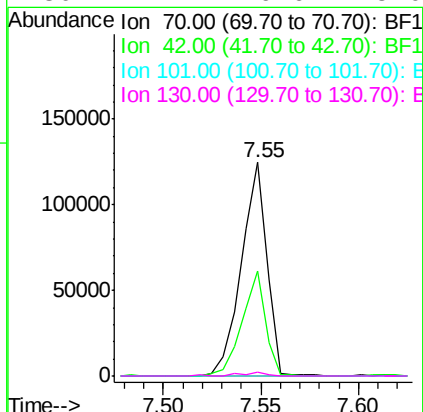
Ion Ratio Lower Upper

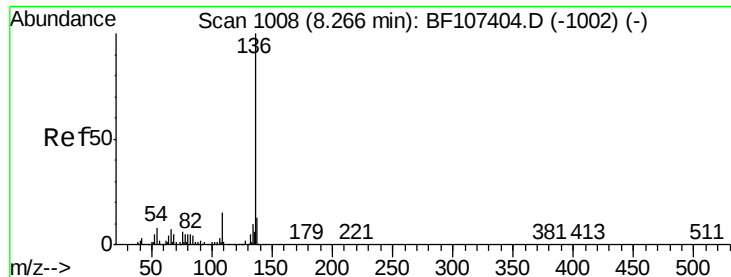
70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

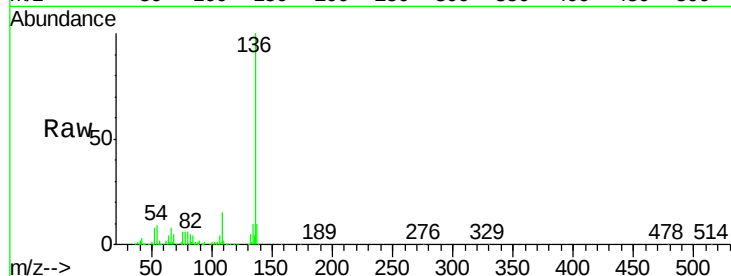




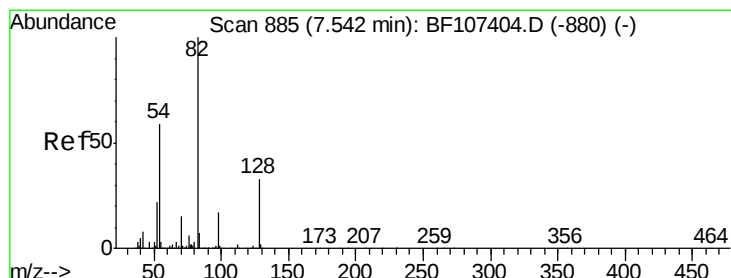
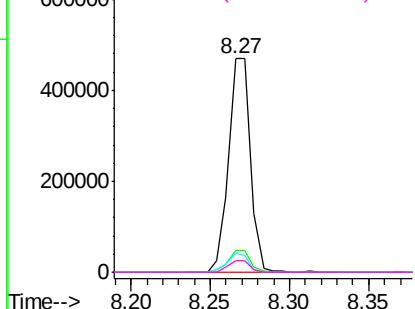
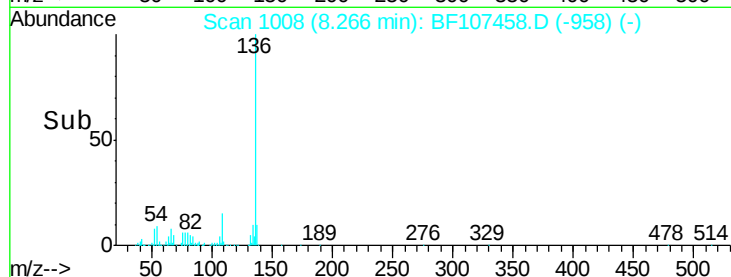
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-1@3

Tgt Ion:	136	Resp:	450938
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	8.8	6.6	9.8
68	5.3	5.0	7.4

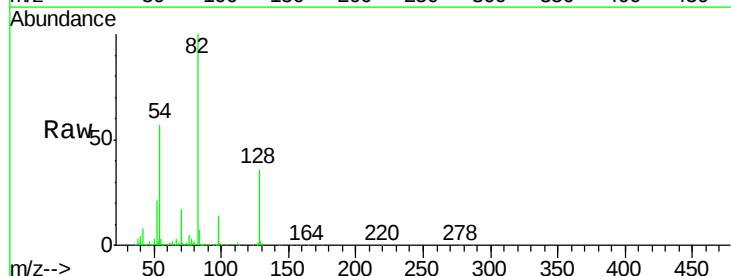


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

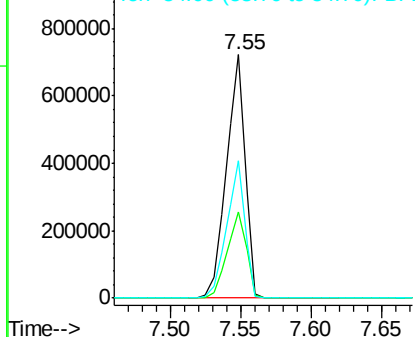
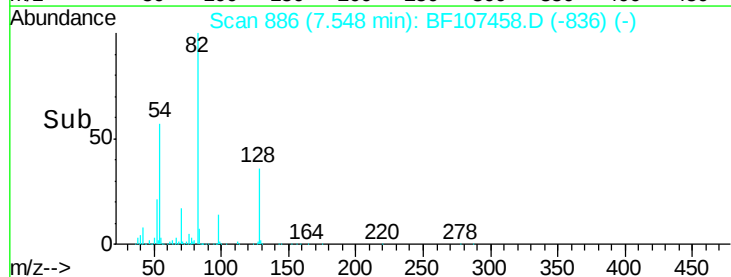


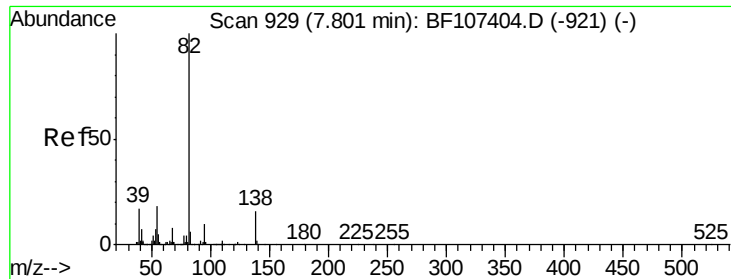
#23
Nitrobenzene-d5
Concen: 78.783 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion:	82	Resp:	666232
Ion	Ratio	Lower	Upper
82	100		
128	35.5	36.1	54.1#
54	56.7	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: 39.753 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3

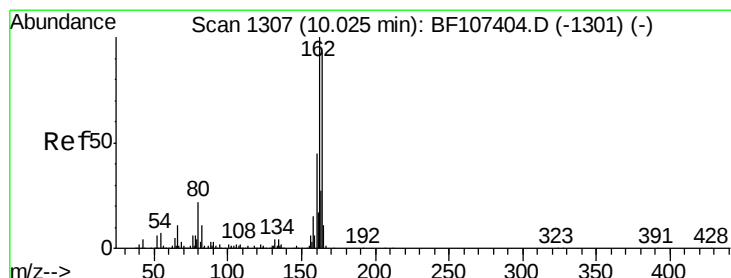
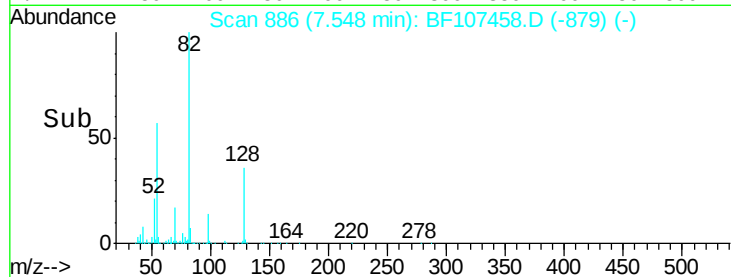
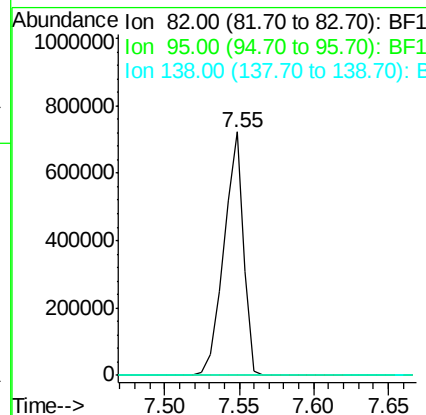
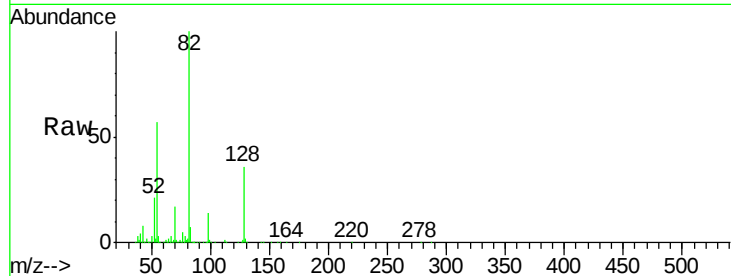
Tgt Ion: 82 Resp: 666330

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

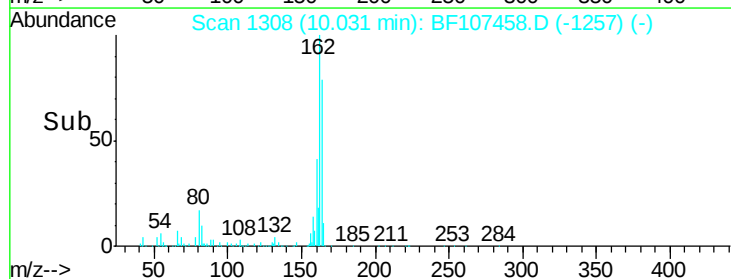
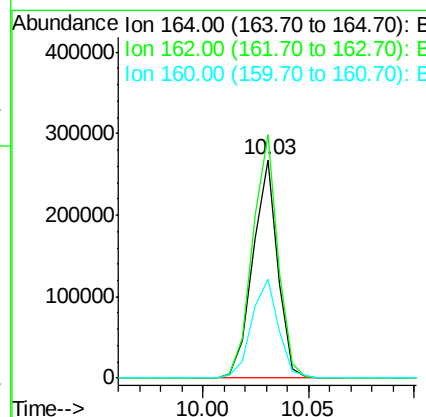
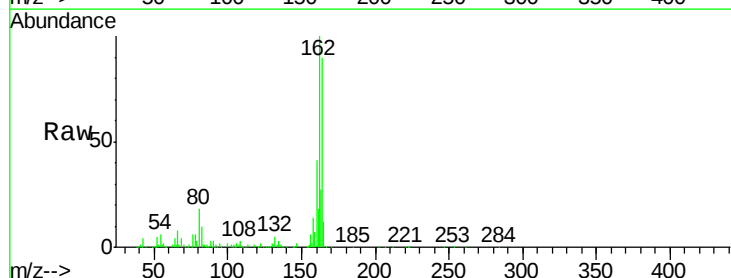
Tgt Ion: 164 Resp: 218871

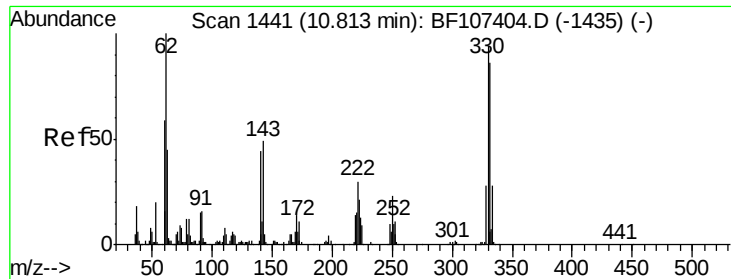
Ion Ratio Lower Upper

164 100

162 111.4 86.1 129.1

160 45.4 38.3 57.5

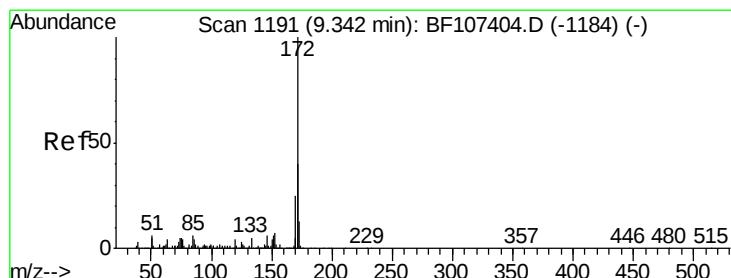
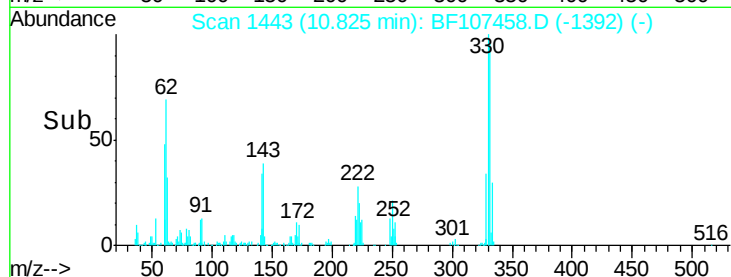
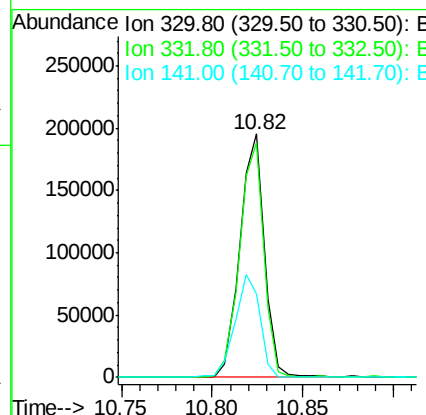
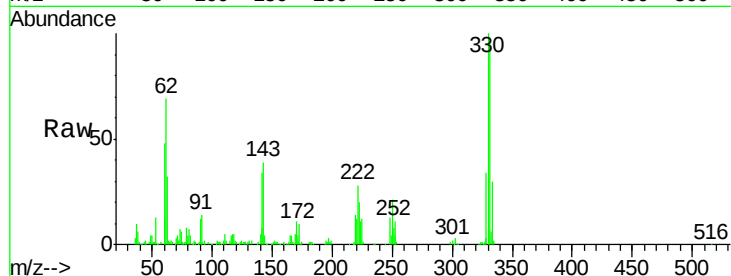




#41
 2,4,6-Tribromophenol
 Concen: 95.486 ng
 RT: 10.82 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

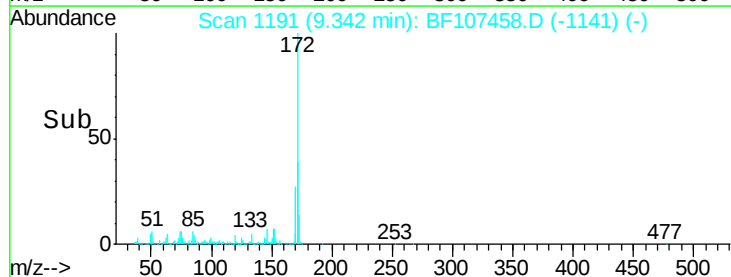
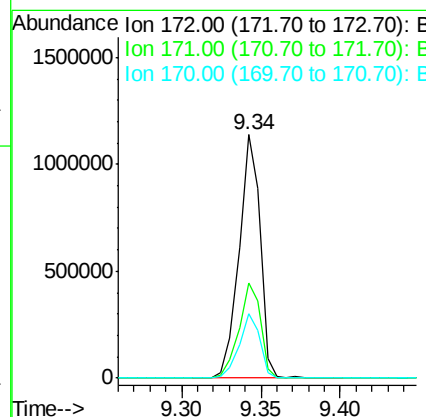
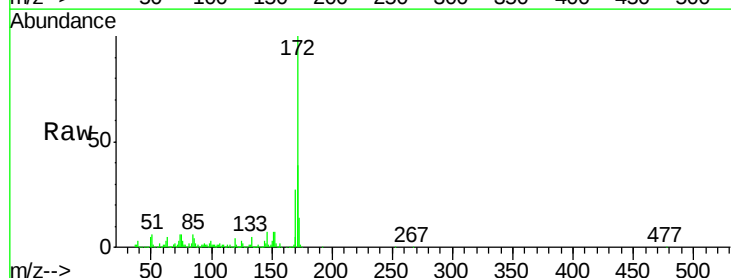
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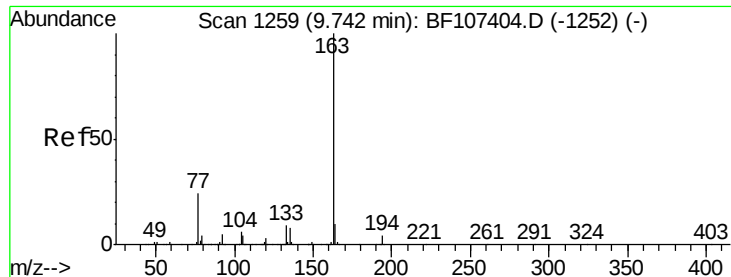
Tgt Ion: 330 Resp: 183623
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 42.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 79.451 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

Tgt Ion: 172 Resp: 1052240
 Ion Ratio Lower Upper
 172 100
 171 39.0 29.7 44.5
 170 26.6 19.6 29.4

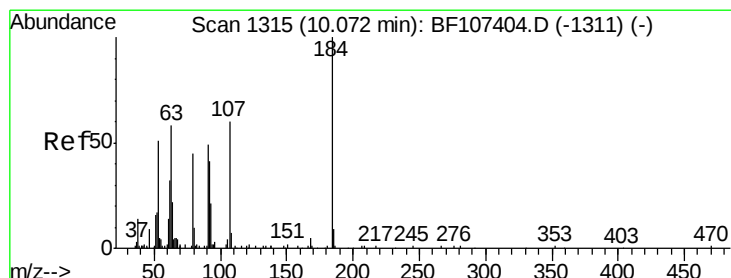
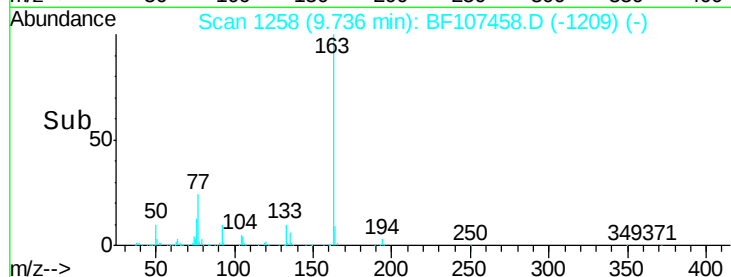
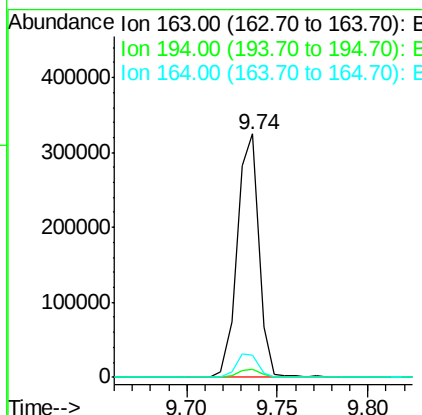
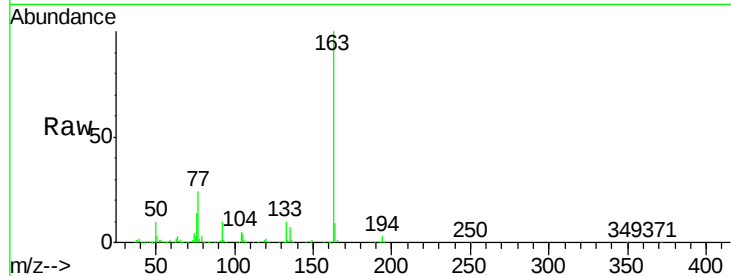




#49
Dimethylphthalate
Concen: 15.577 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

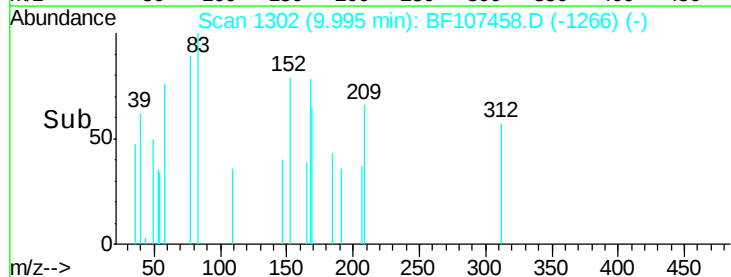
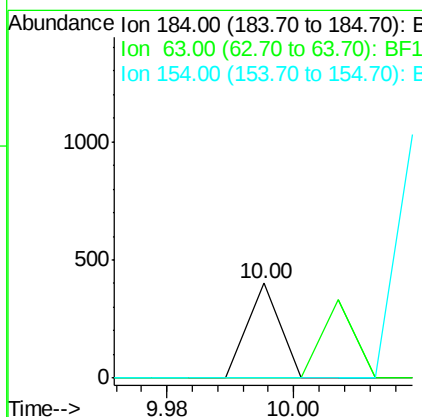
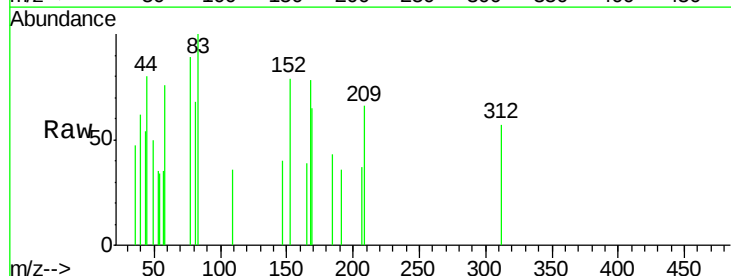
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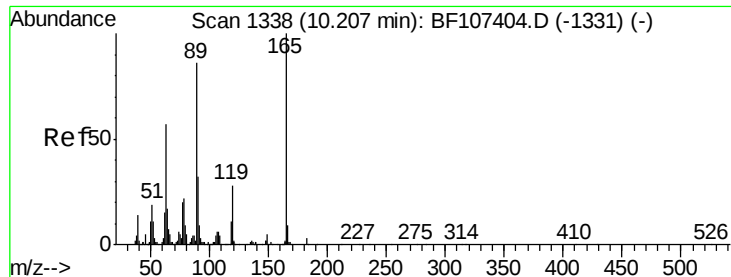
Tgt Ion:163 Resp: 270879
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 8.9 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 2.425 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.09 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion:184 Resp: 142
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#

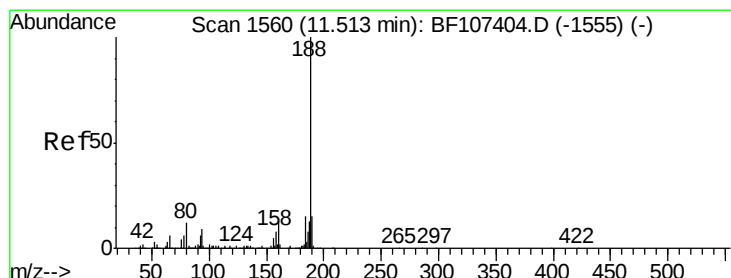
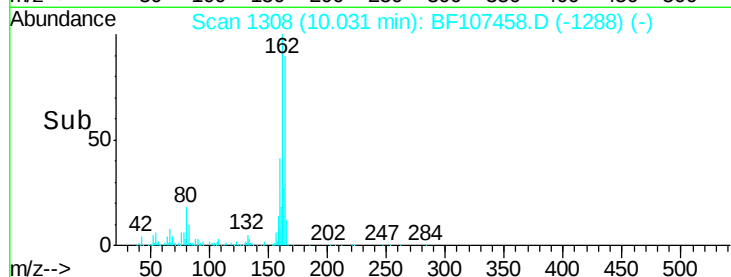
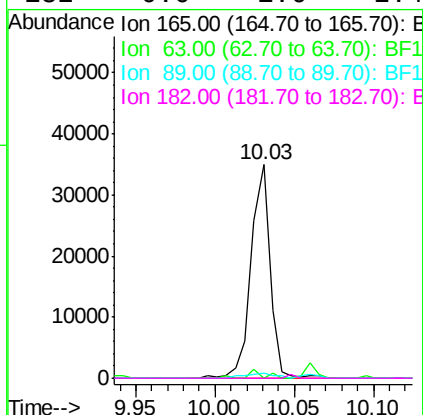
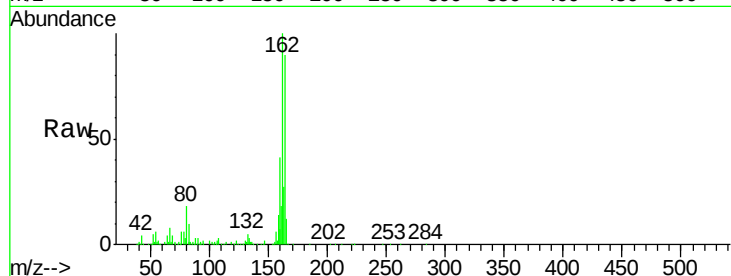




#56
2,4-Dinitrotoluene
Concen: 6.805 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.18 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

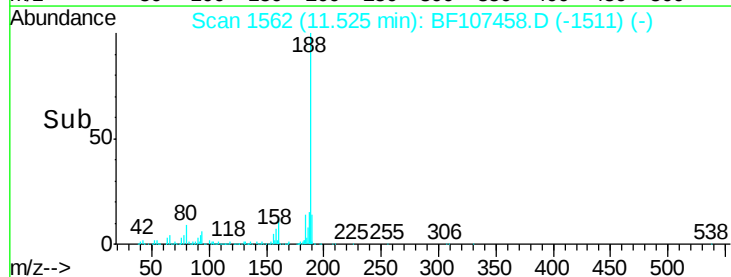
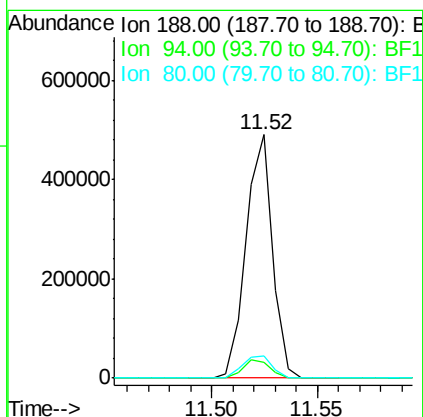
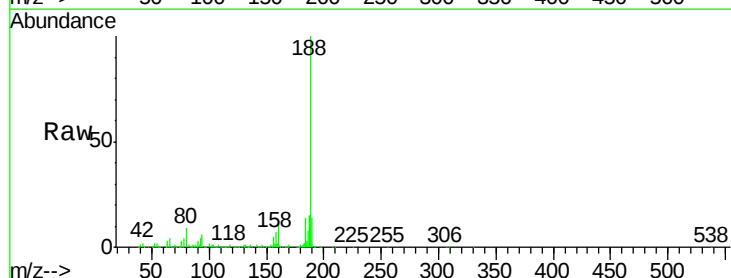
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-1@3

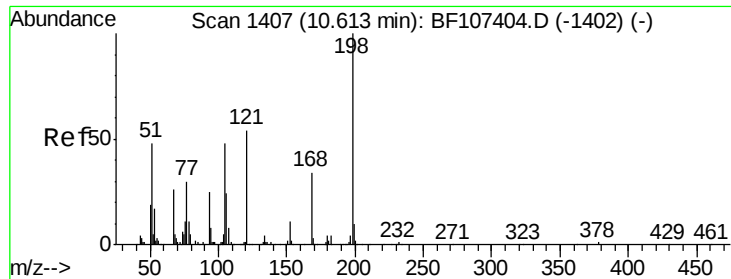
Tgt Ion:165 Resp: 29432
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 2.7 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion:188 Resp: 424671
Ion Ratio Lower Upper
188 100
94 6.5 8.5 12.7#
80 9.0 9.2 13.8#

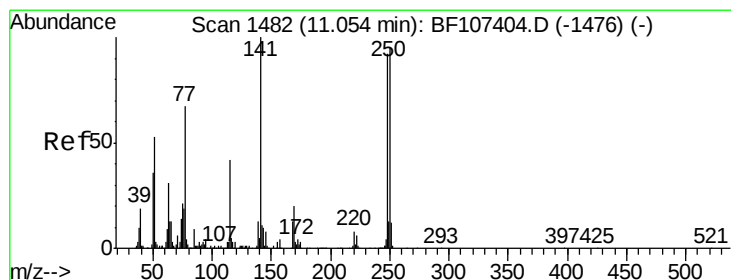
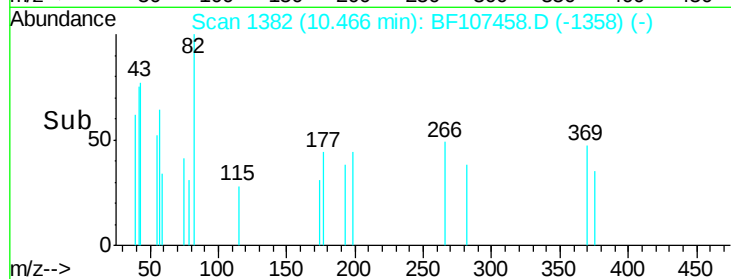
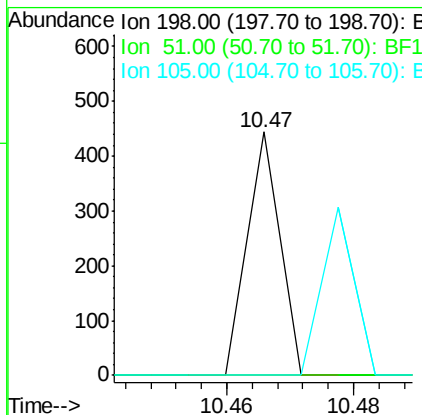
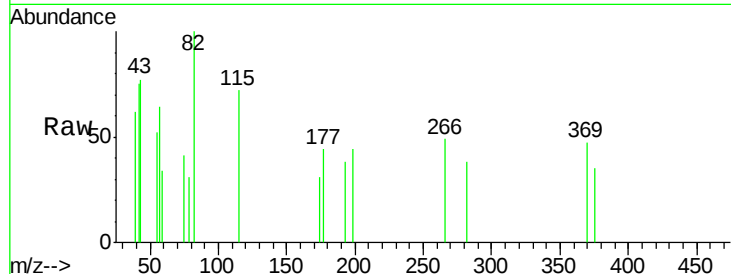




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.547 ng
 RT: 10.47 min Scan# 1382
 Delta R.T. -0.16 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

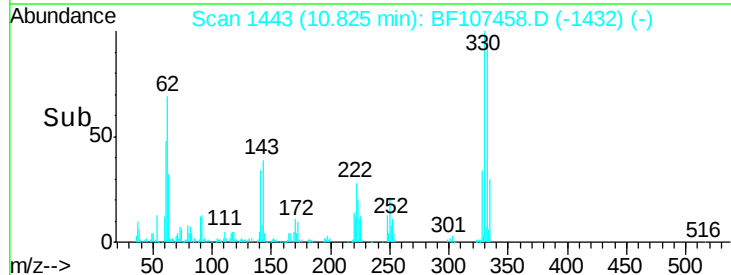
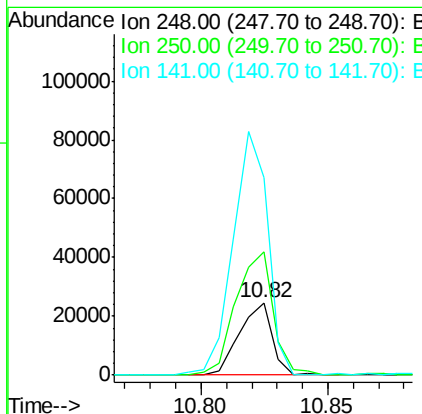
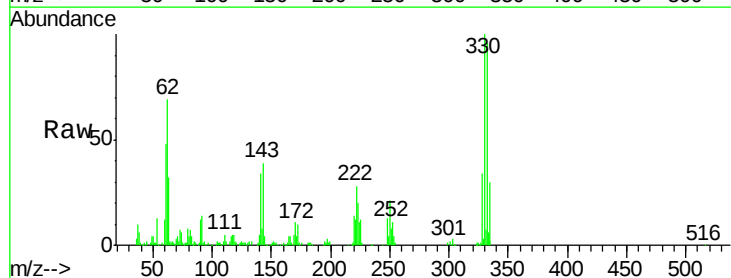
Instrument :
 BNA_F
 ClientSampleId :
 CB-7-8-6-ST-EW-1@3

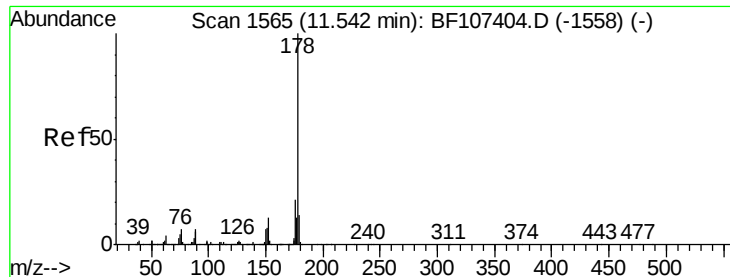
Tgt Ion:198 Resp: 157
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 0.0 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 4.519 ng
 RT: 10.82 min Scan# 1443
 Delta R.T. -0.24 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

Tgt Ion:248 Resp: 21956
 Ion Ratio Lower Upper
 248 100
 250 170.0 76.9 115.3#
 141 273.5 74.4 111.6#





#70

Phenanthrene

Concen: 10.609 ng

RT: 11.55 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3

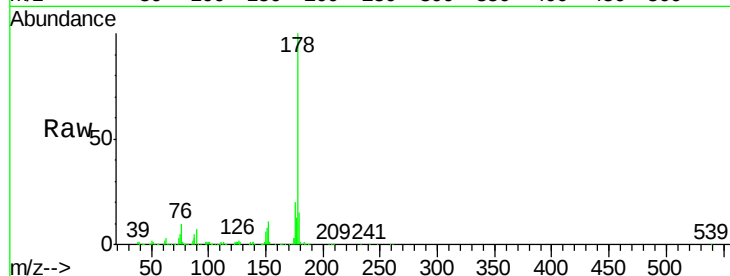
Tgt Ion:178 Resp: 224521

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

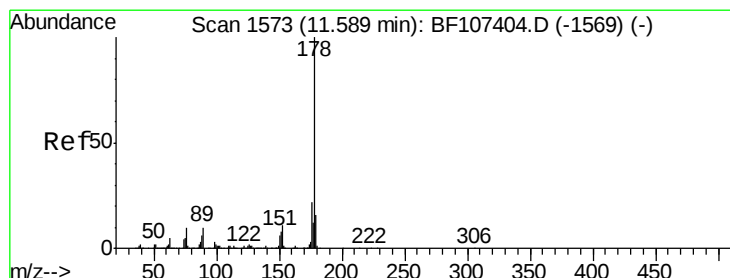
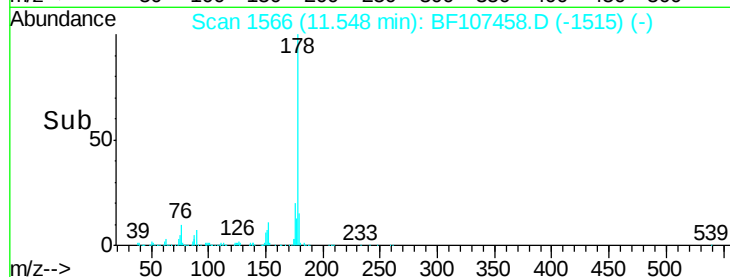
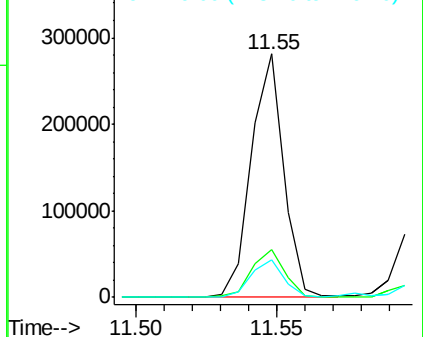
179 15.4 13.0 19.6



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: 2.897 ng

RT: 11.60 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

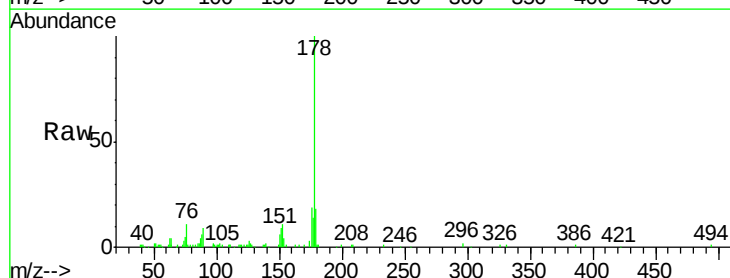
Tgt Ion:178 Resp: 61065

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

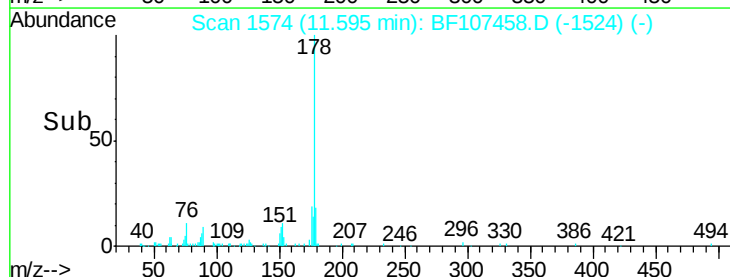
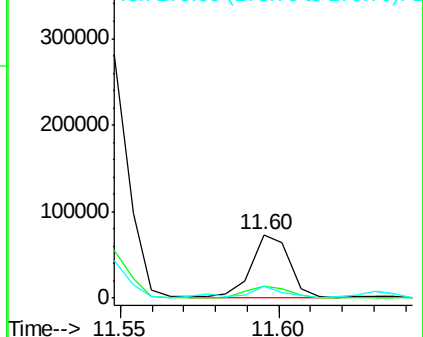
179 18.1 12.6 19.0

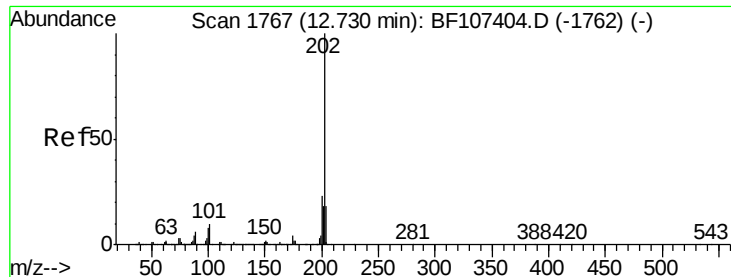


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.752 ng

RT: 12.74 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3

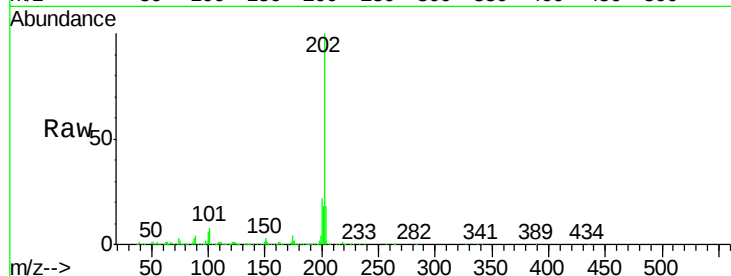
Tgt Ion:202 Resp: 282699

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.1

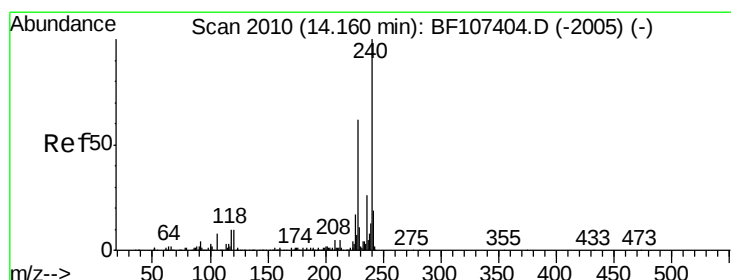
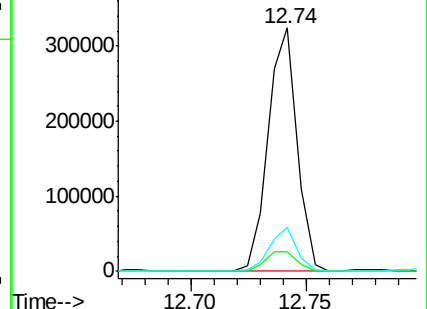
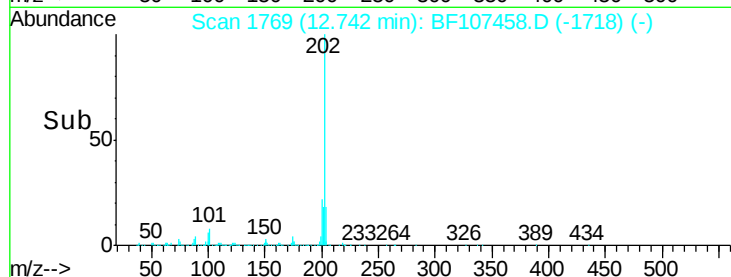
203 18.2 0.0 38.1



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. 0.00 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

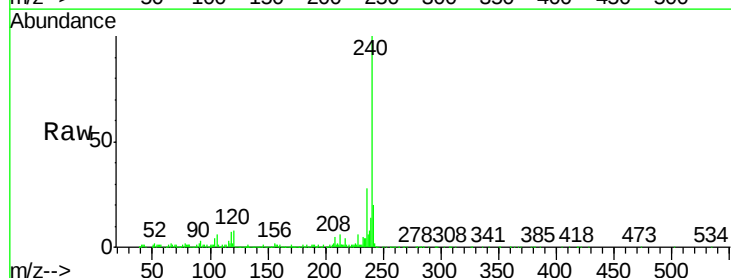
Tgt Ion:240 Resp: 404518

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

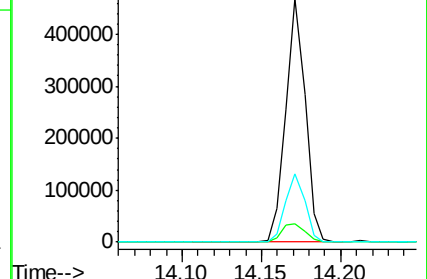
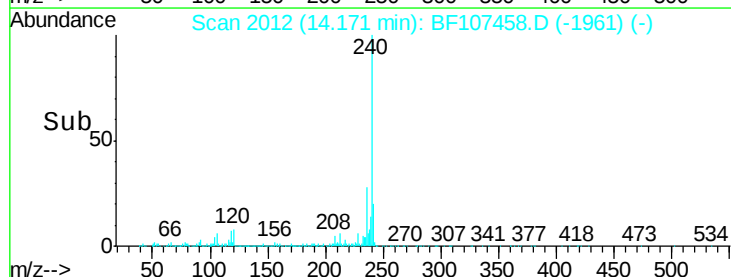
236 28.3 20.7 31.1

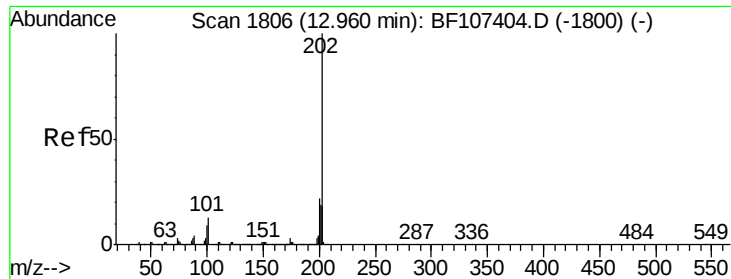


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

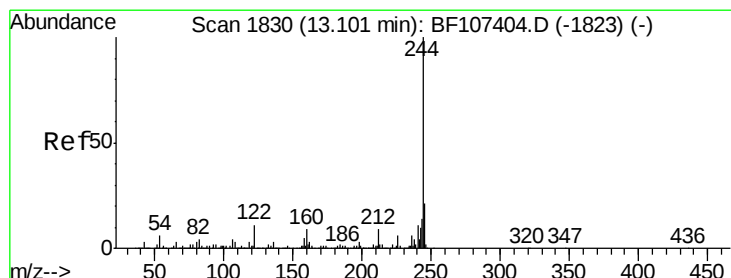
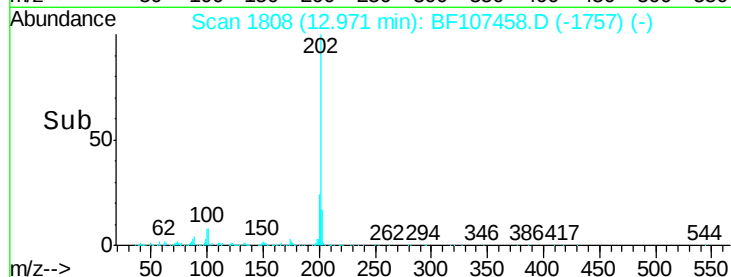
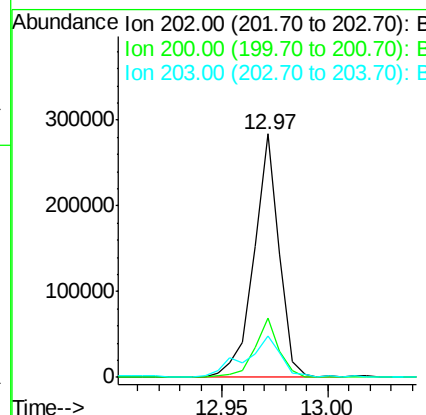
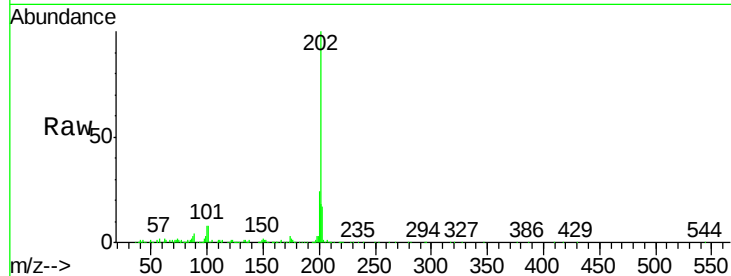




#77
 Pyrene
 Concen: 8.607 ng
 RT: 12.97 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

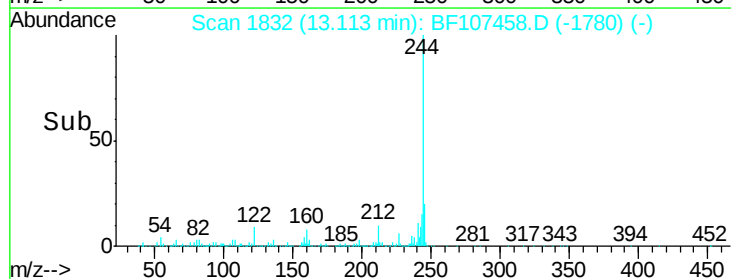
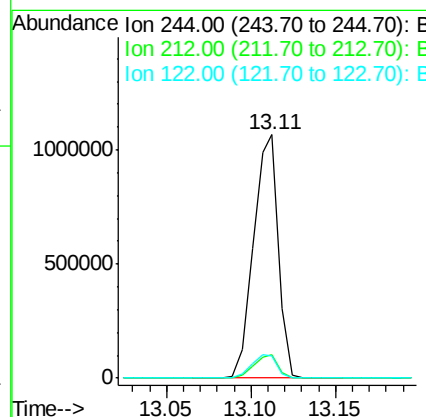
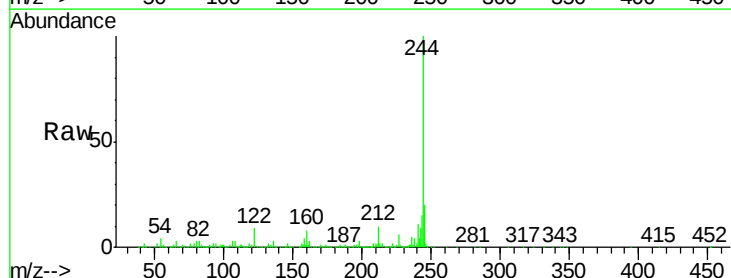
Instrument :
 BNA_F
 ClientSampleId :
 CB-7-8-6-ST-EW-1@3

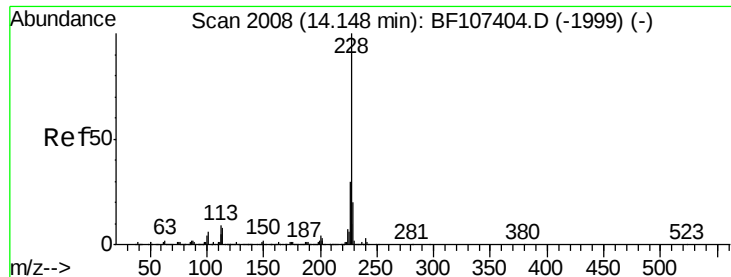
Tgt Ion: 202 Resp: 236770
 Ion Ratio Lower Upper
 202 100
 200 24.2 17.4 26.2
 203 17.1 14.3 21.5



#78
 Terphenyl-d14
 Concen: 66.932 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BF107458.D
 Acq: 17 Jul 2018 19:14

Tgt Ion: 244 Resp: 1089733
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.4 8.0#
 122 9.1 11.0 16.4#

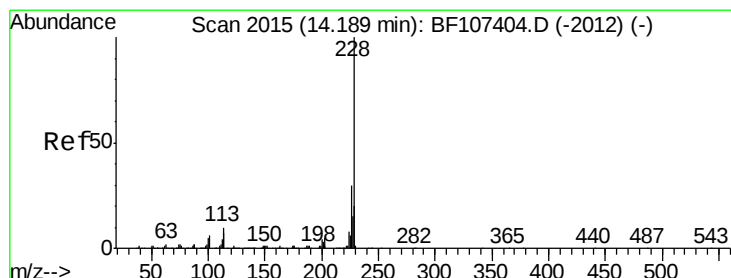
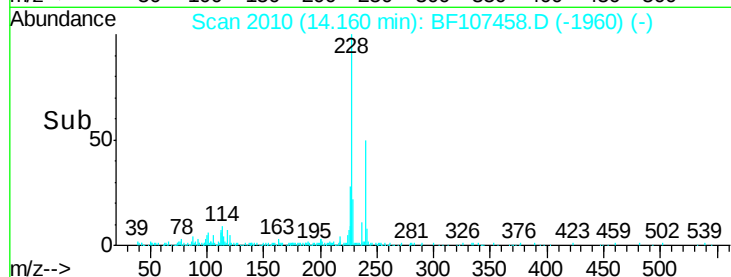
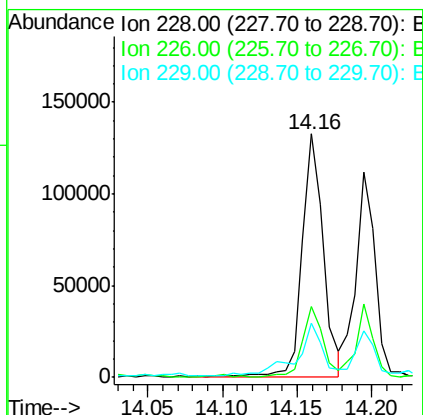
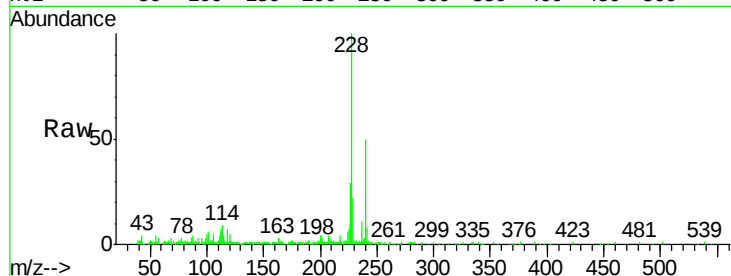




#80
Benzo(a)anthracene
Concen: 5.320 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

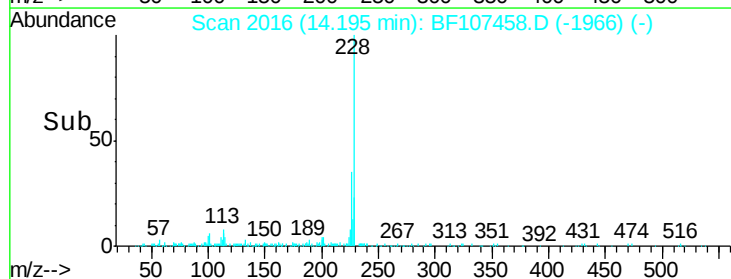
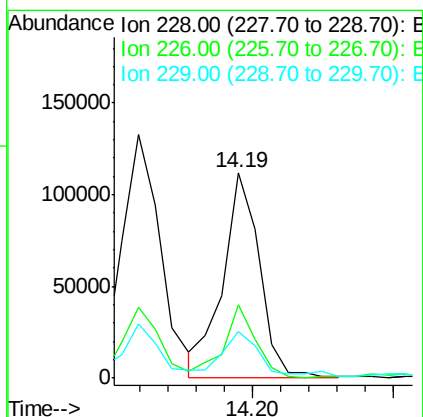
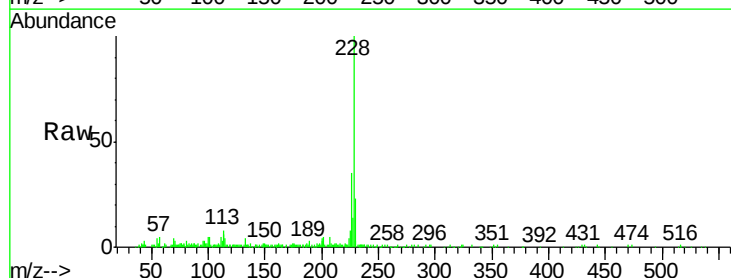
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-1@3

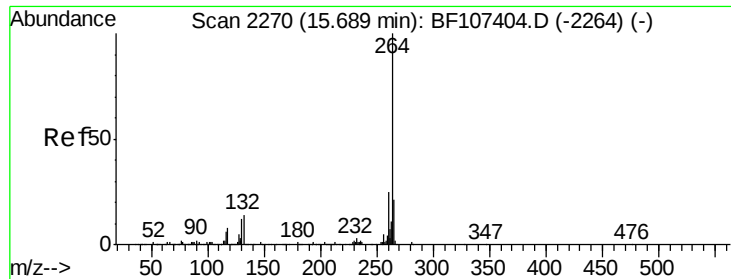
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	22.3	15.8	23.6



#82
Chrysene
Concen: 4.270 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.5	25.0	37.6
229	22.9	16.2	24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3

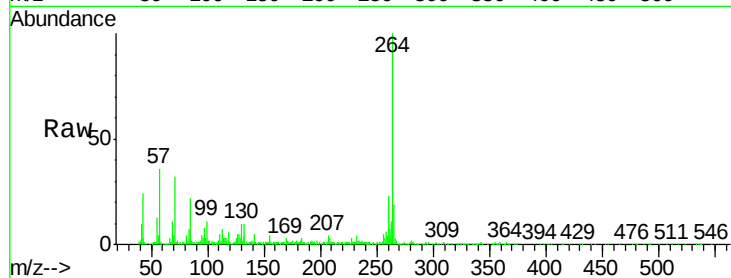
Tgt Ion:264 Resp: 228669

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

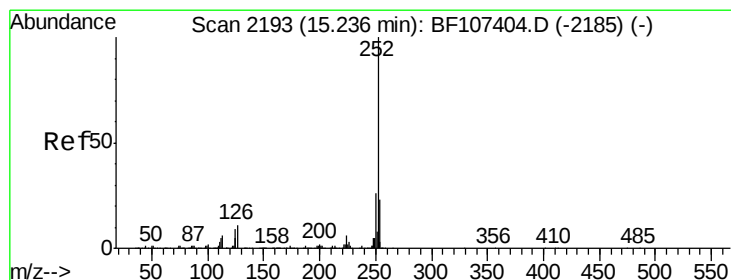
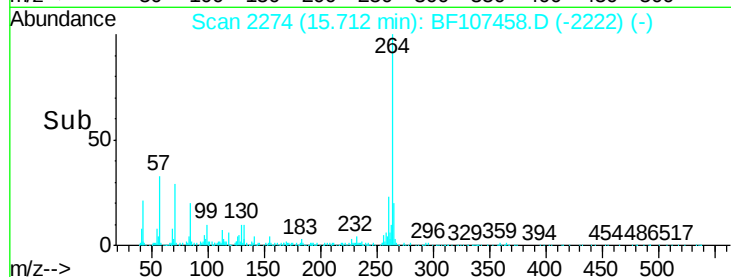
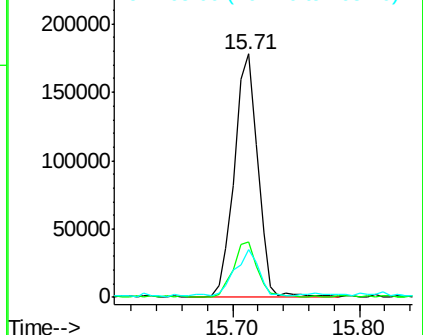
265 19.4 17.5 26.3



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: 8.424 ng

RT: 15.25 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BF107458.D

Acq: 17 Jul 2018 19:14

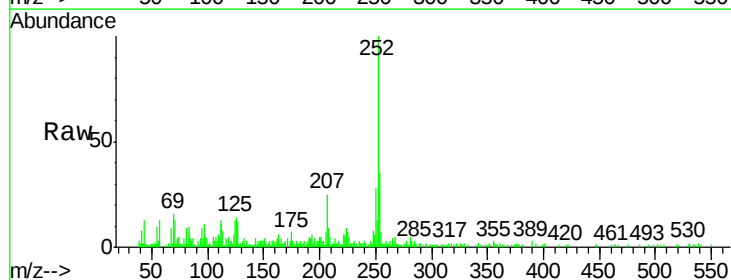
Tgt Ion:252 Resp: 112752

Ion Ratio Lower Upper

252 100

253 35.5 17.0 25.6#

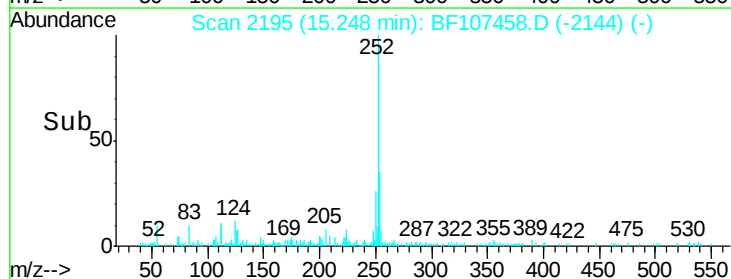
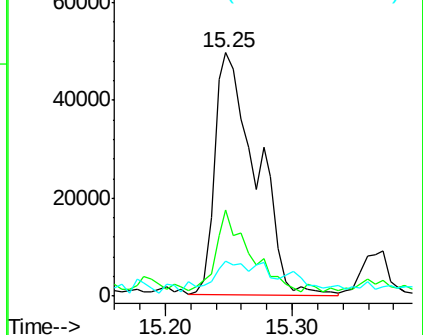
125 14.4 9.0 13.6#

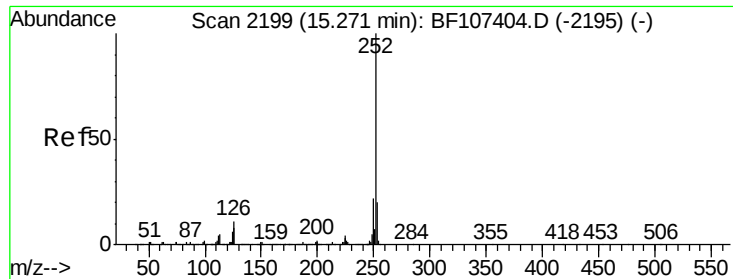


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

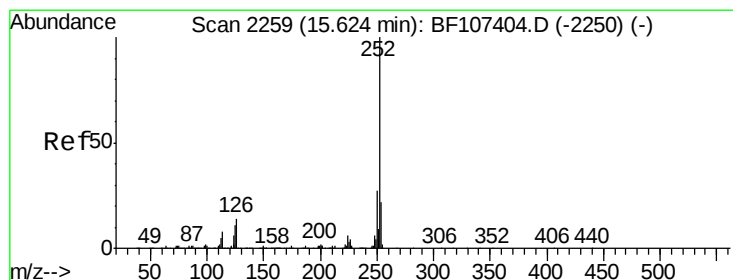
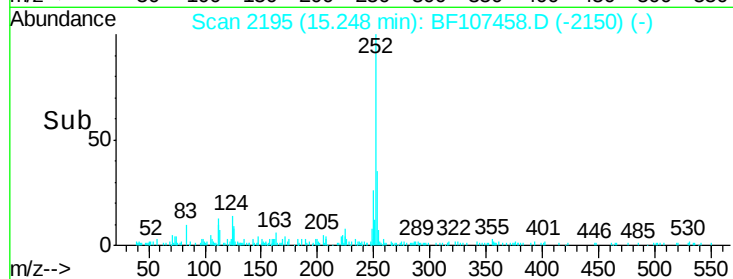
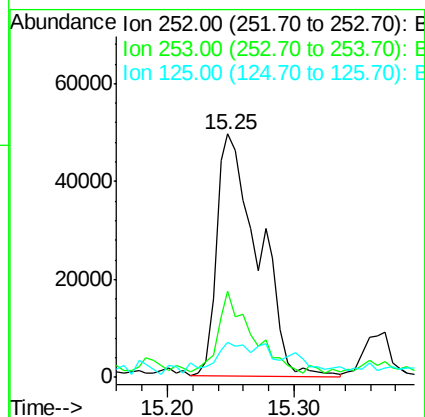
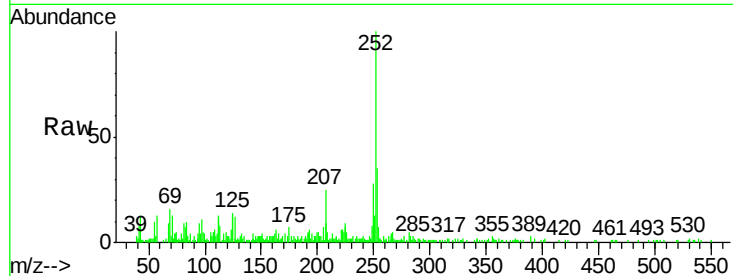




#88
Benzo(k)fluoranthene
Concen: 8.632 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

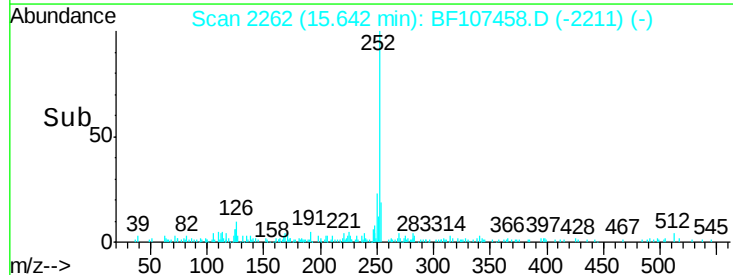
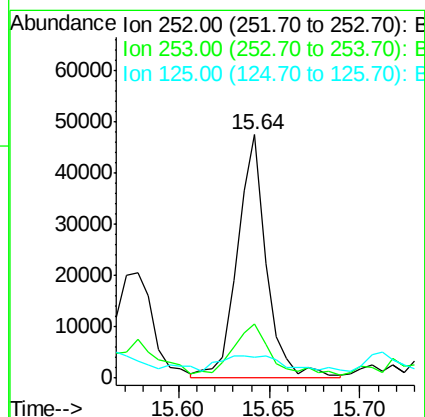
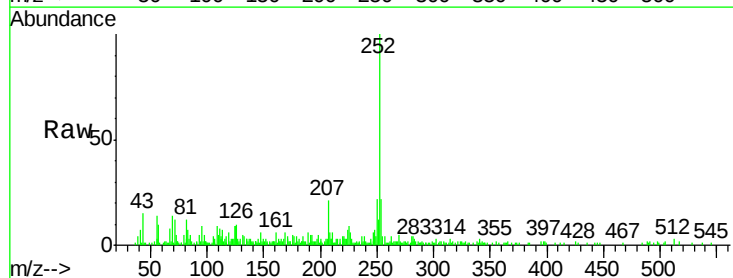
Instrument :
BNA_F
ClientSampleId :
CB-7-8-6-ST-EW-1@3

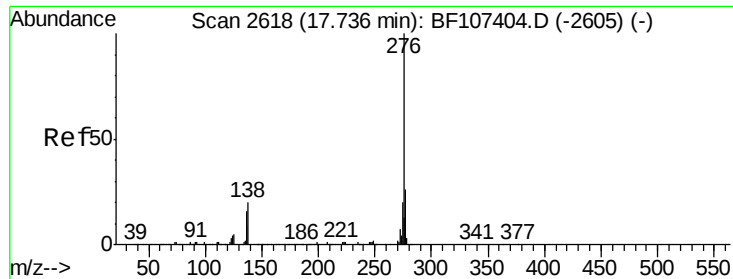
Tgt Ion:252 Resp: 112752
Ion Ratio Lower Upper
252 100
253 35.5 17.9 26.9#
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.317 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF107458.D
Acq: 17 Jul 2018 19:14

Tgt Ion:252 Resp: 53035
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 8.8 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.458 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107458.D

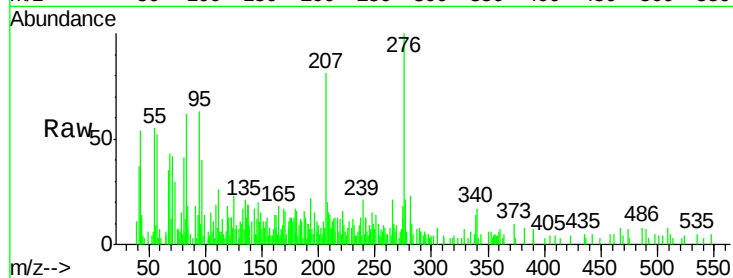
Acq: 17 Jul 2018 19:14

Instrument :

BNA_F

ClientSampleId :

CB-7-8-6-ST-EW-1@3



Tgt Ion:	276	Resp:	23157
Ion Ratio	Lower	Upper	
276	100		
277	20.9	17.9	26.9
138	44.1	21.8	32.8

