

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107874.D
 Acq On : 1 Aug 2018 2:21
 Operator : JU/SJ
 Sample : J4231-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 04:35:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	130035	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	496552	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	196310	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	393563	20.00	ng	0.00
75) Chrysene-d12	14.15	240	354893	20.00	ng	0.00
86) Perylene-d12	15.69	264	258712	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	735488	96.13	ng	0.00
7) Phenol-d6	6.60	99	852933	84.58	ng	0.00
23) Nitrobenzene-d5	7.53	82	519160	60.23	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	209812	78.66	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	926626	65.78	ng	0.00
78) Terphenyl-d14	13.08	244	978574	59.79	ng	0.00

Target Compounds

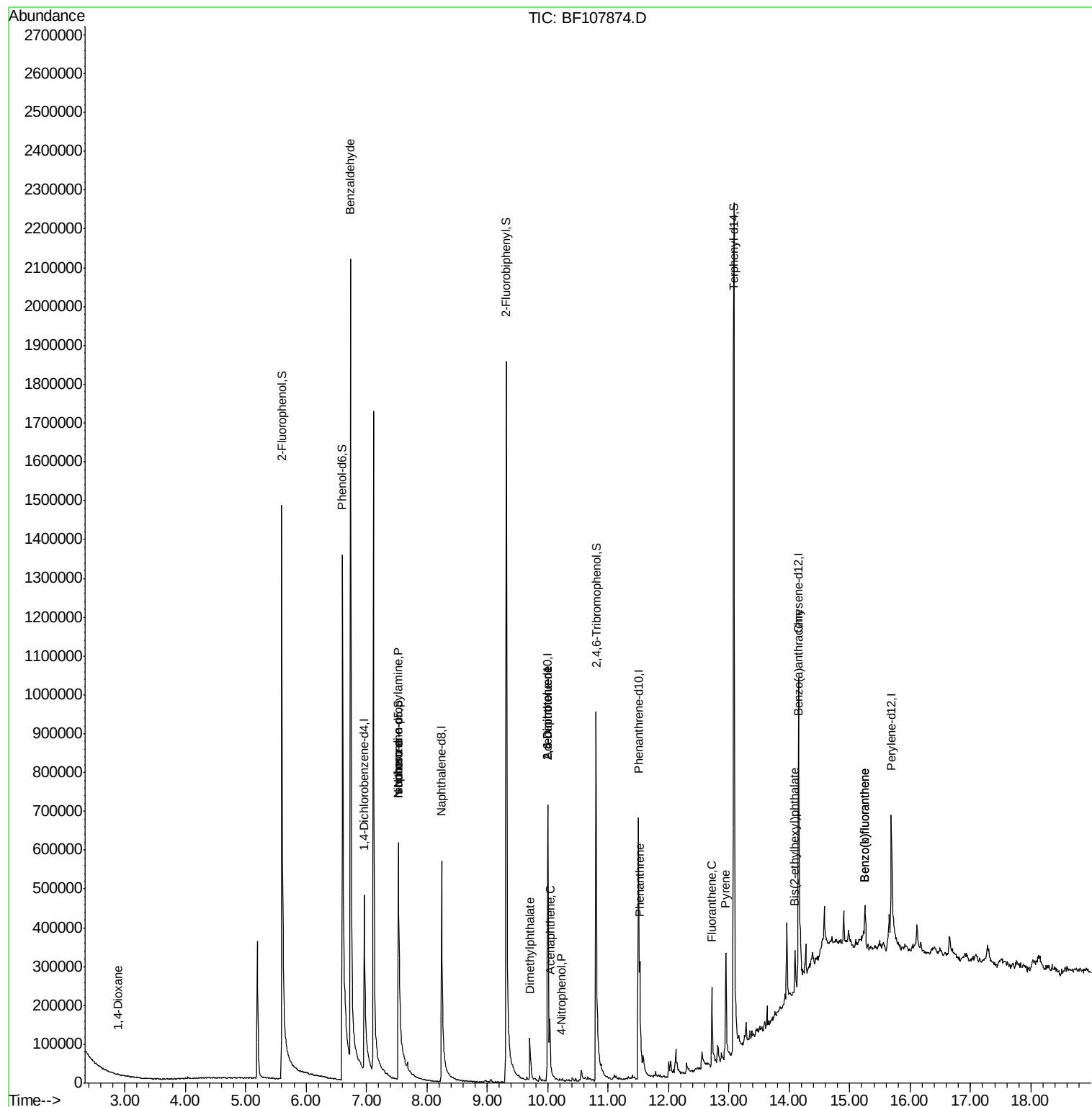
						Qvalue
2) 1,4-Dioxane	2.88	88	603	5.941	ng	# 1
9) Benzaldehyde	6.74	77	15647	2.572	ng	# 81
19) n-Nitroso-di-n-propylamine	7.53	70	57197	8.942	ng	# 76
25) Isophorone	7.53	82	531059	37.535	ng	# 64
49) Dimethylphthalate	9.71	163	76276	5.174	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	24474	7.639	ng	# 26
51) Acenaphthene	10.04	154	33450	2.757	ng	# 99
55) 4-Nitrophenol	10.22	139	114	9.366	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	24855	5.902	ng	# 23
70) Phenanthrene	11.52	178	112223	6.005	ng	# 97
74) Fluoranthene	12.72	202	111515	5.079	ng	# 96
77) Pylene	12.95	202	165565	6.479	ng	# 96
80) Benzo(a)anthracene	14.14	228	43313	2.155	ng	# 86
83) Bis(2-ethylhexyl)phthalate	14.09	149	29061	2.066	ng	# 96
87) Benzo(b)fluoranthene	15.24	252	33285	2.609	ng	# 68
88) Benzo(k)fluoranthene	15.24	252	33285	2.125	ng	# 71

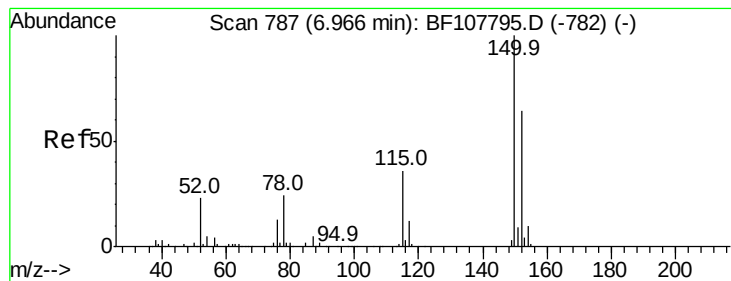
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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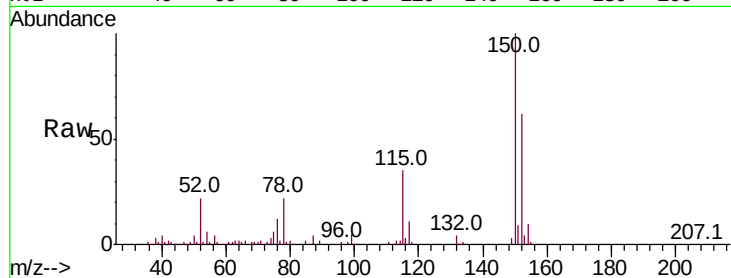


#1

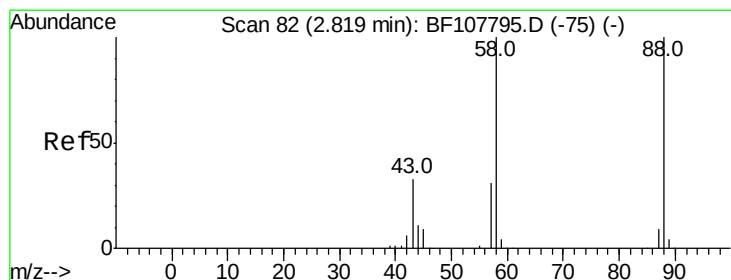
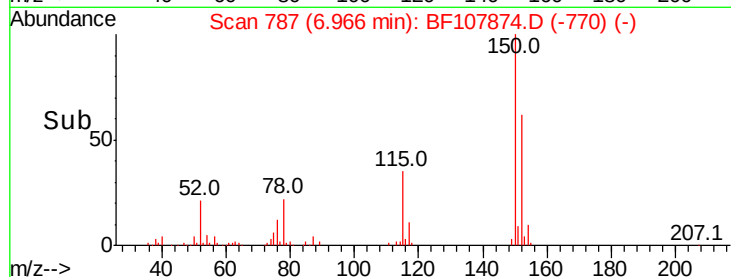
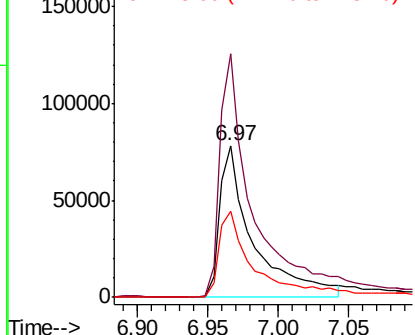
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	56.4	50.1	75.1



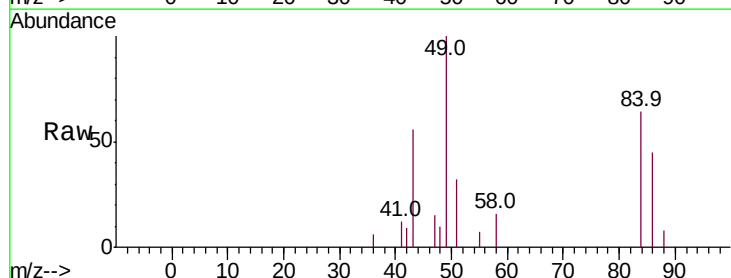
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



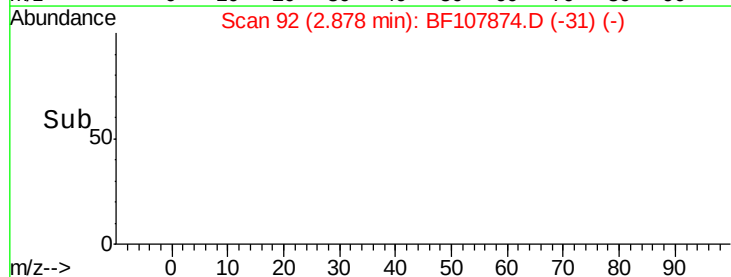
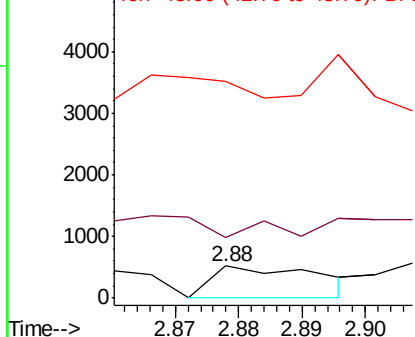
#2

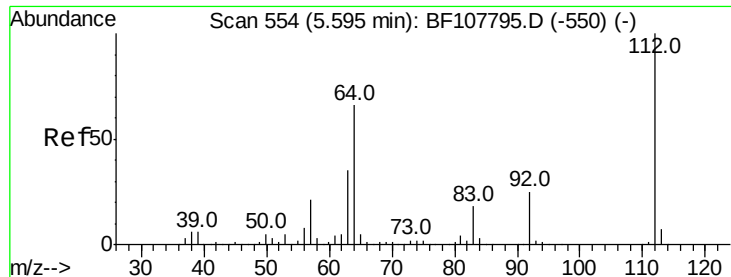
1,4-Dioxane
Concen: 5.941 ng
RT: 2.88 min Scan# 92
Delta R.T. 0.06 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.2	62.6	93.8#
43	230.7	24.6	37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 96.128 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :
BNA_F
ClientSampleId :

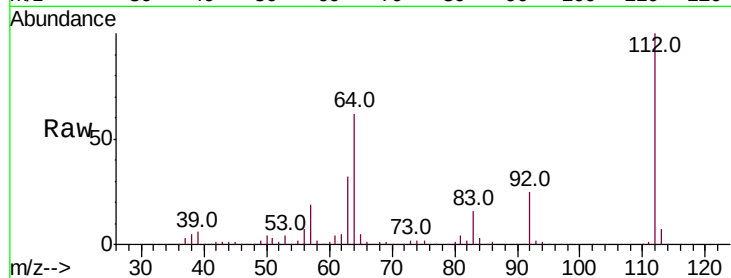
Tot Ion:112 Resp: 735488

Ion Ratio Lower Upper

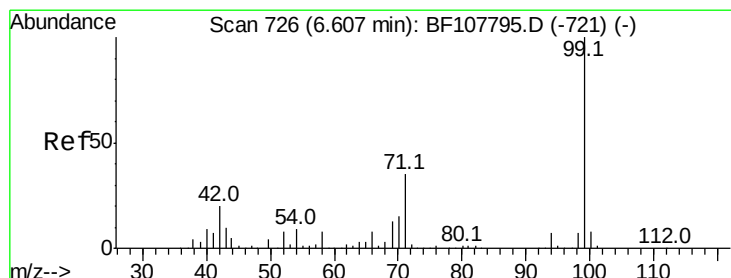
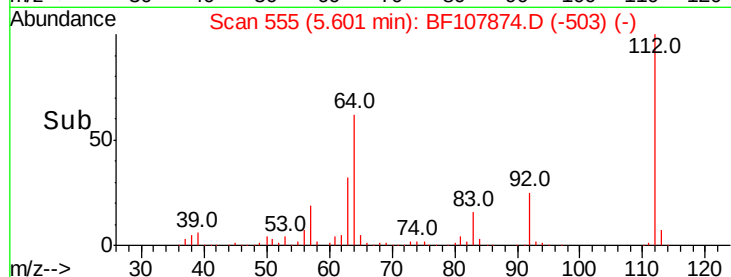
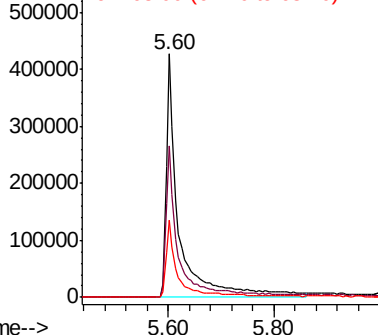
112 100

64 62.4 47.9 71.9

63 31.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 84.585 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

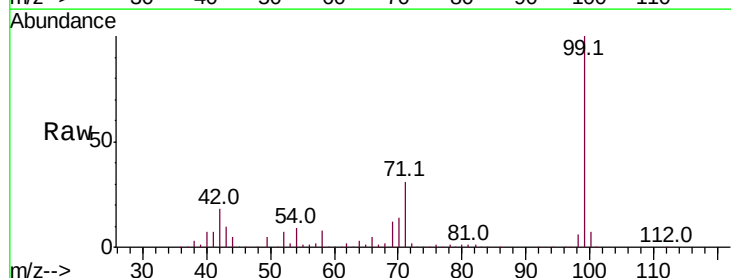
Tgt Ion: 99 Resp: 852933

Ion Ratio Lower Upper

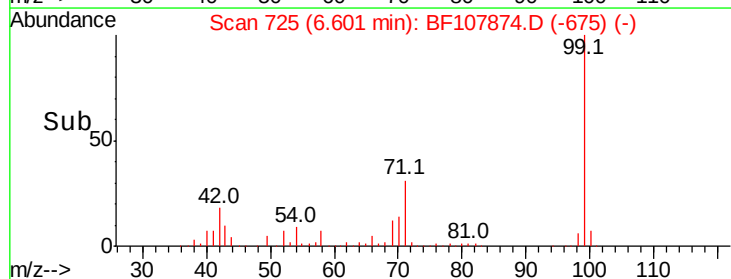
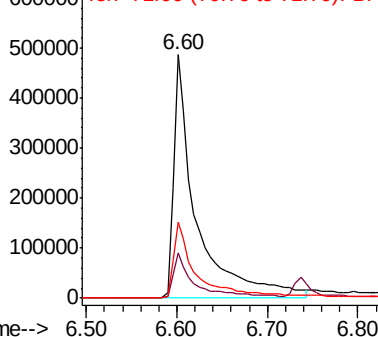
99 100

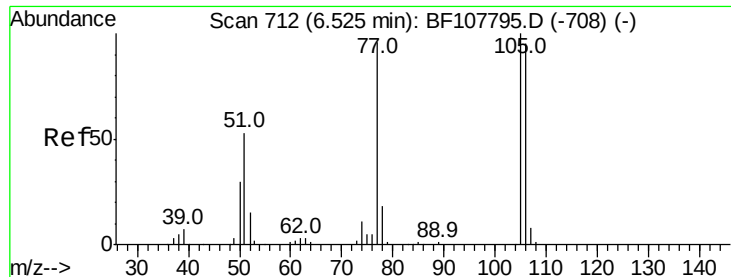
42 18.3 14.5 21.7

71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

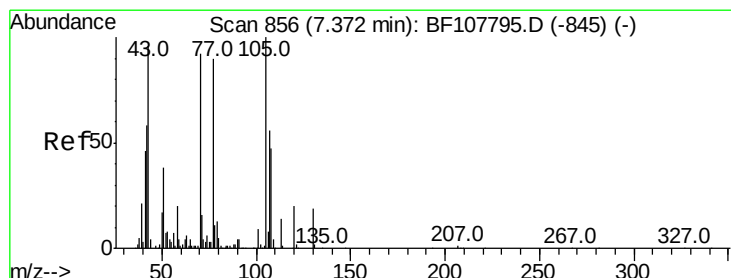
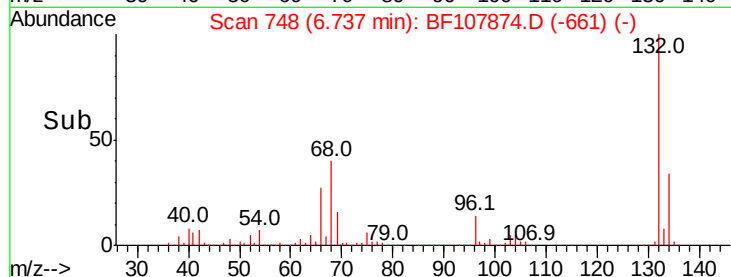
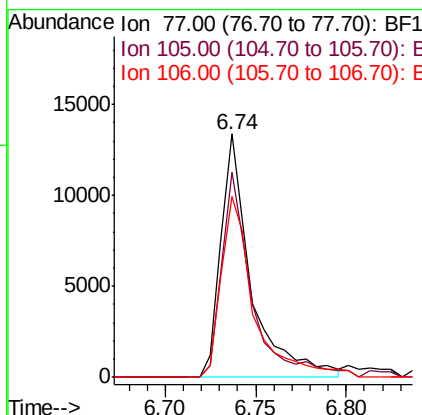
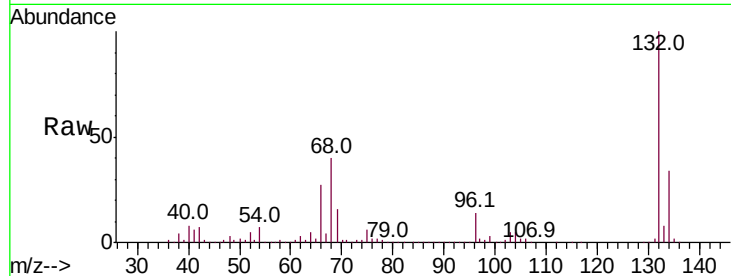




#9
Benzaldehyd
Concen: 2.572 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.21 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

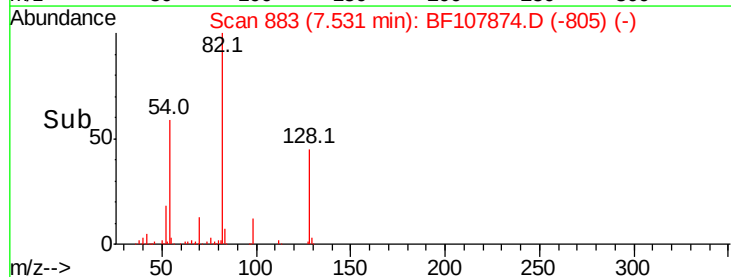
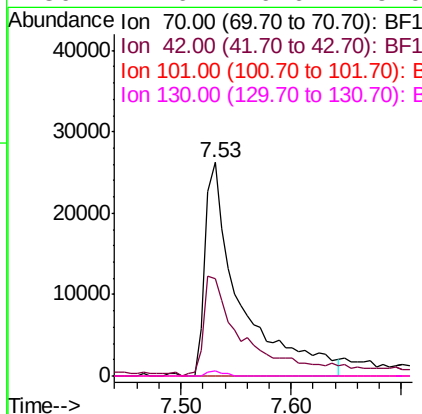
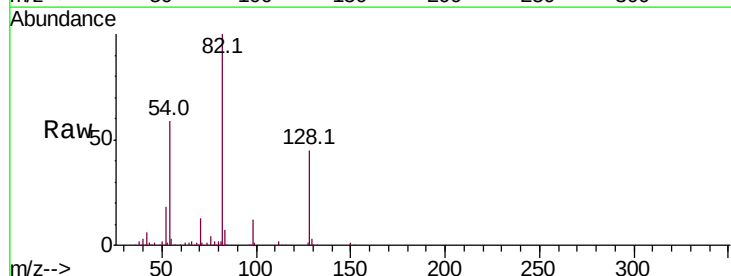
Instrument :
BNA_F
ClientSampleId :

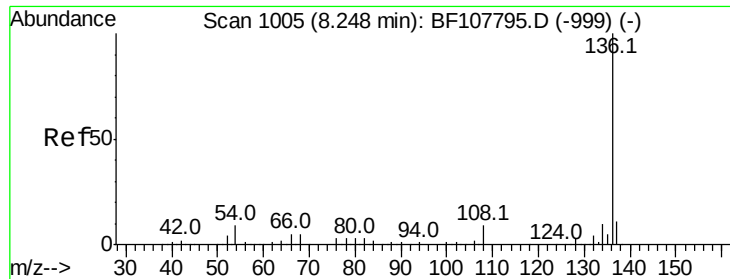
Tot Ion	Ratio	Lower	Upper
77	100		
105	84.2	81.1	121.1
106	74.5	74.5	114.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.942 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#

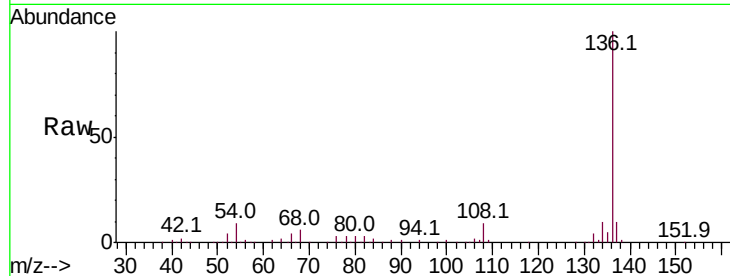




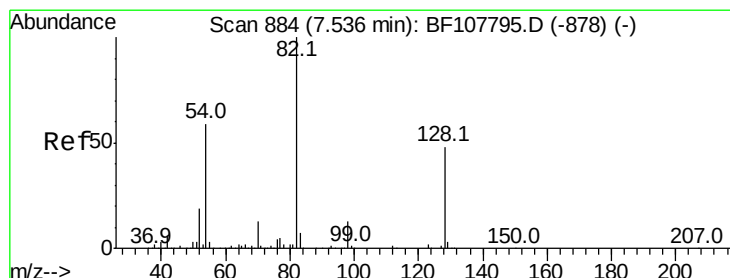
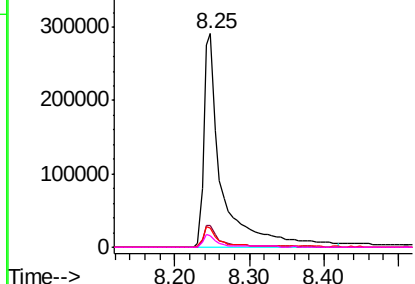
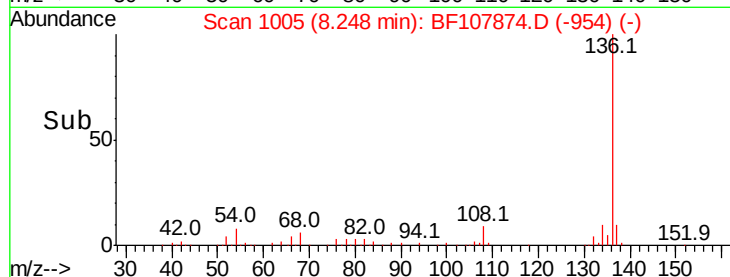
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	496552
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	8.8	6.6	9.8
68	5.7	5.0	7.4

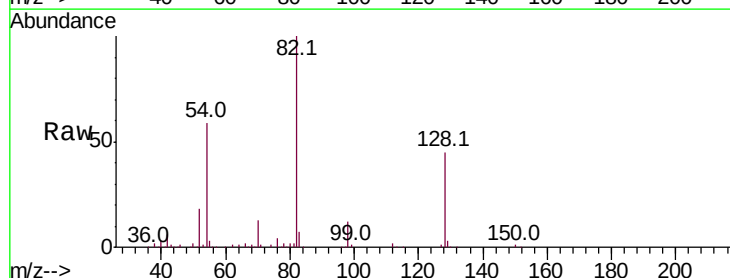


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

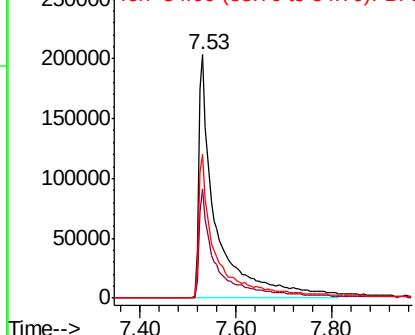
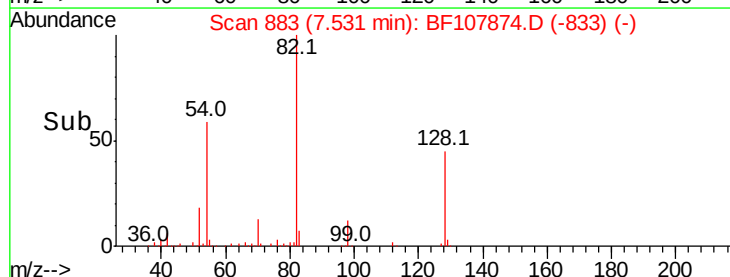


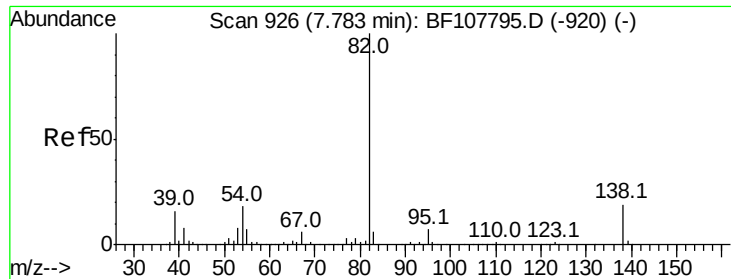
#23
Nitrobenzene-d5
Concen: 60.233 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Tgt Ion:	82	Resp:	519160
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	59.0	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: 37.535 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampled :

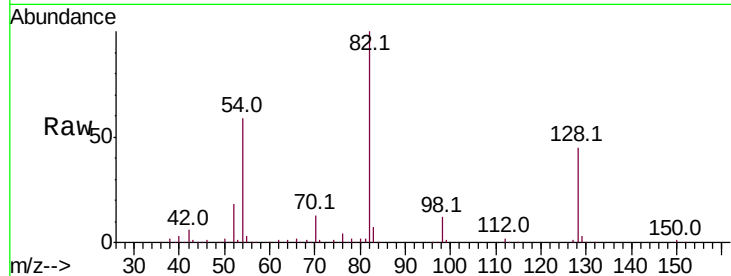
Tot Ion: 82 Resp: 531059

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

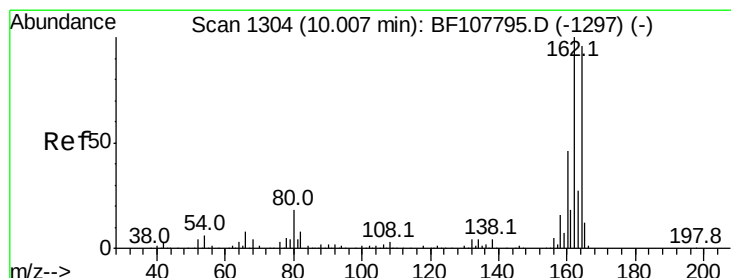
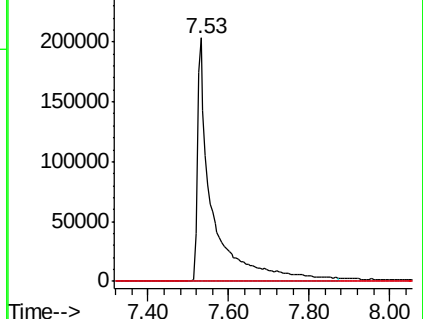
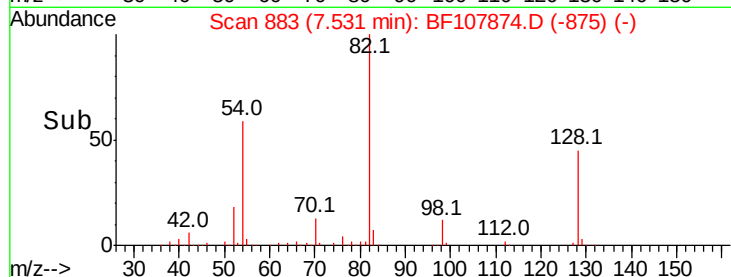
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

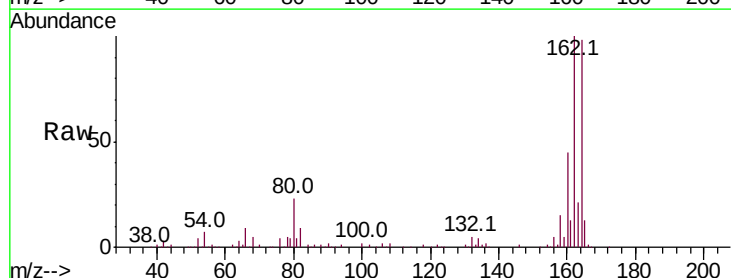
Tgt Ion:164 Resp: 196310

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

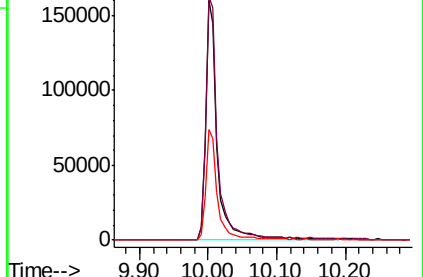
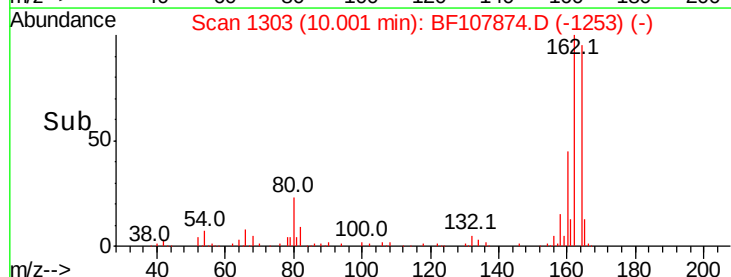
160 46.0 38.3 57.5

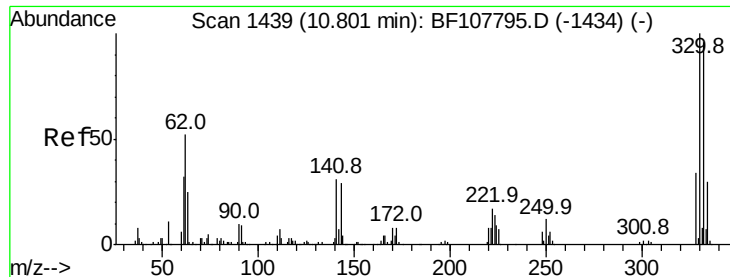


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

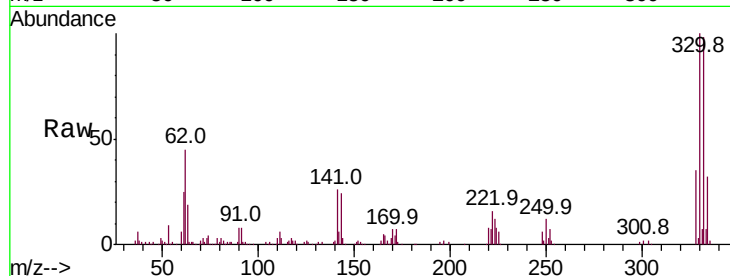




#41
 2,4,6-Tribromophenol
 Concen: 78.656 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	28.0	29.9	44.9#

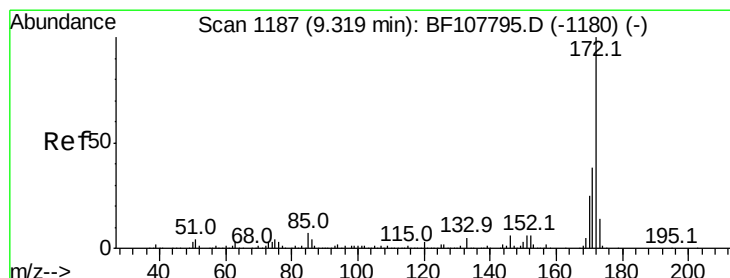
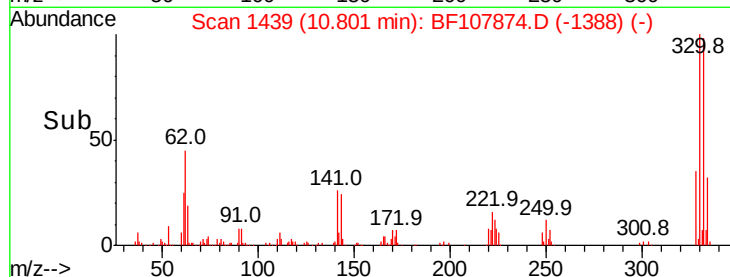
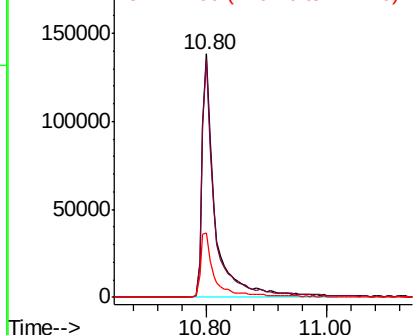


Abundance

Ion 329.80 (329.50 to 330.50): E

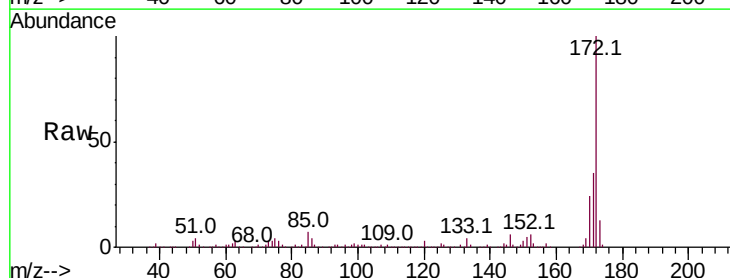
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 65.776 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.1	19.6	29.4

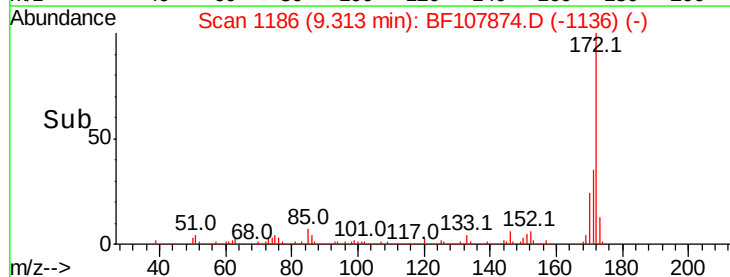
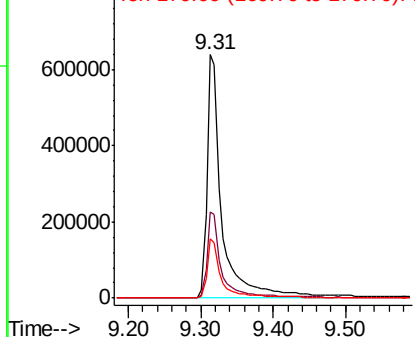


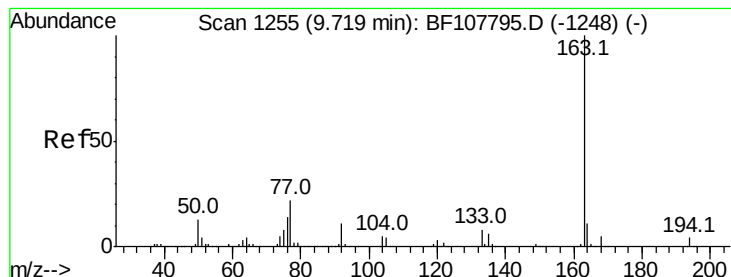
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.174 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampleId :

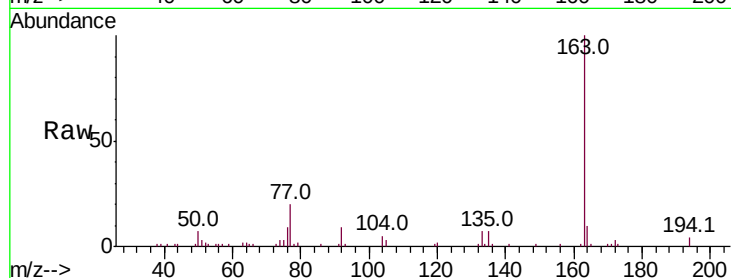
Tot Ion:163 Resp: 76276

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

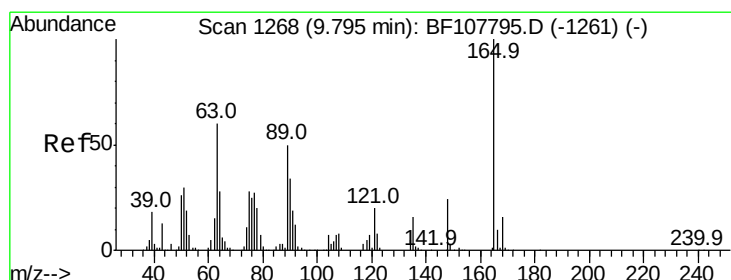
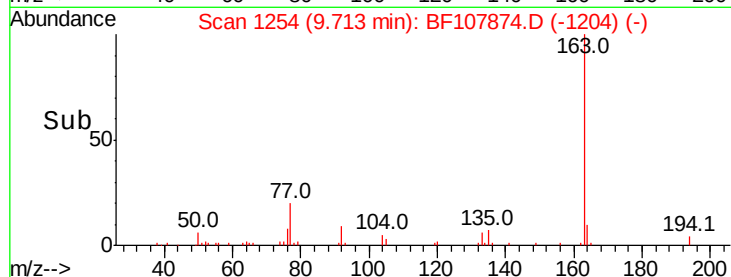
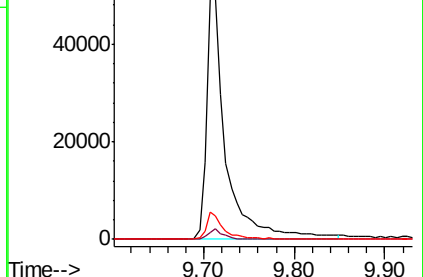
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.639 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

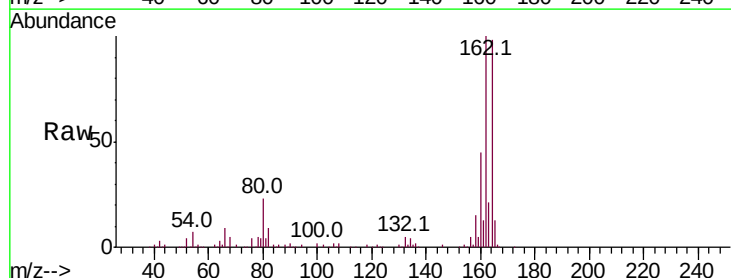
Tgt Ion:165 Resp: 24474

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

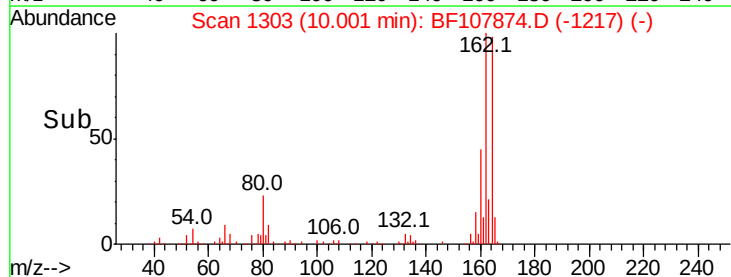
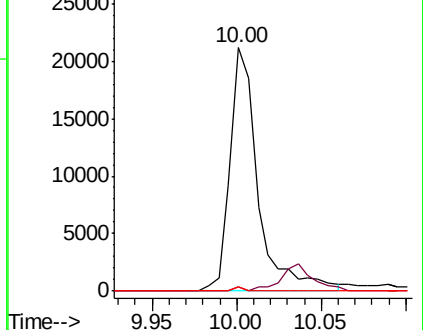
89 1.5 44.0 66.0#

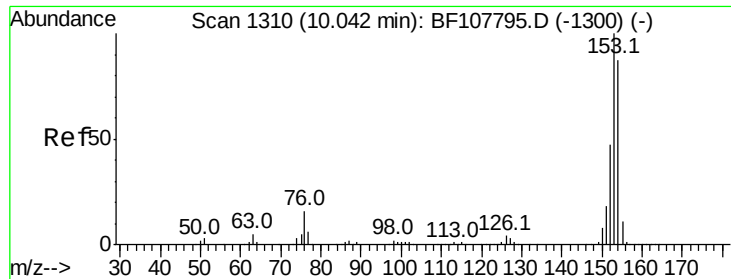


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.757 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampleId :

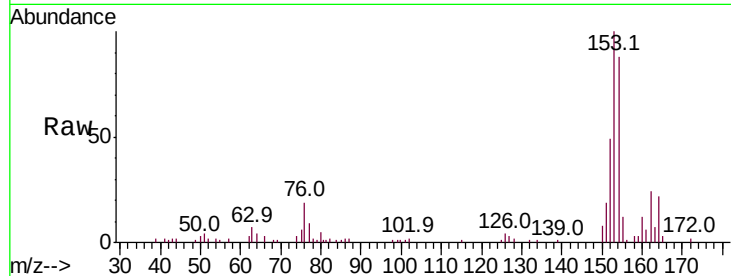
Tot Ion:154 Resp: 33450

Ion Ratio Lower Upper

154 100

153 113.0 91.2 136.8

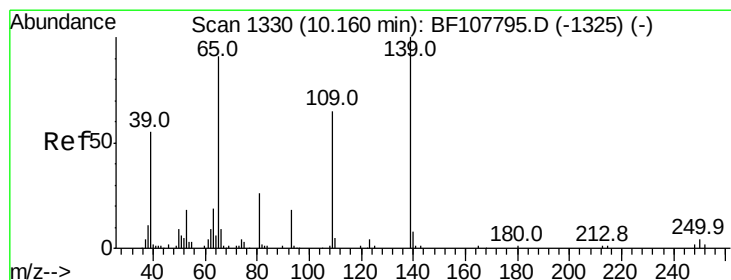
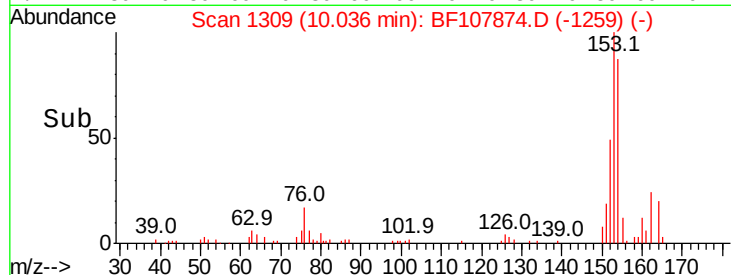
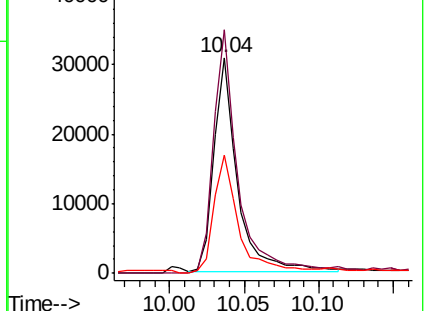
152 54.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 9.366 ng

RT: 10.22 min Scan# 1340

Delta R.T. 0.06 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

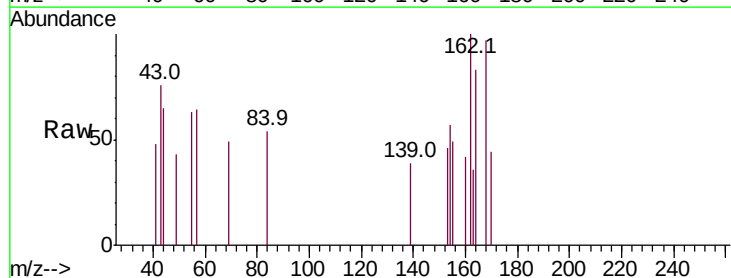
Tgt Ion:139 Resp: 114

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

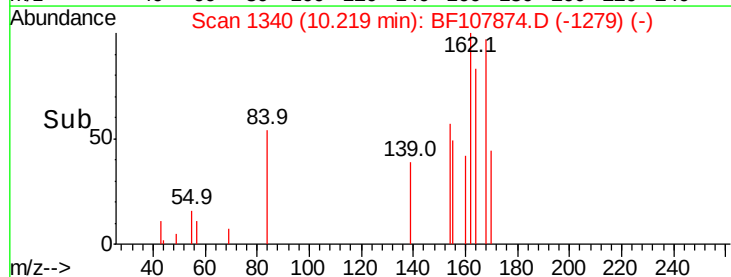
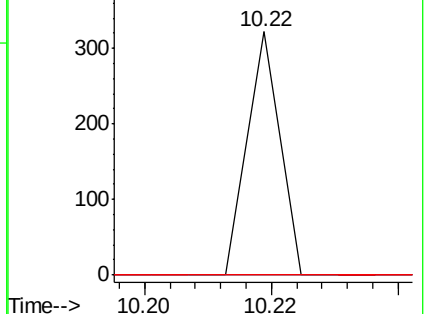
65 0.0 72.6 112.6#

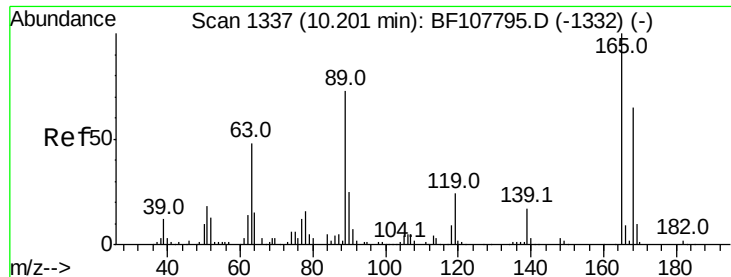


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

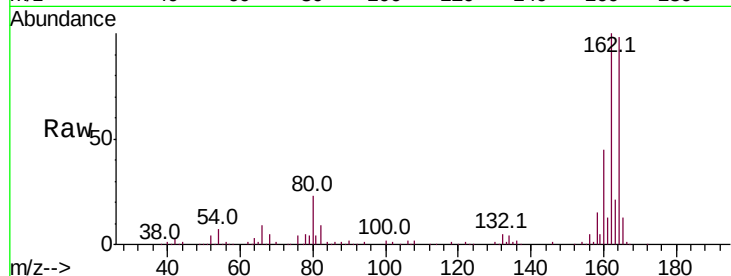




#56
 2,4-Dinitrotoluene
 Concen: 5.902 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

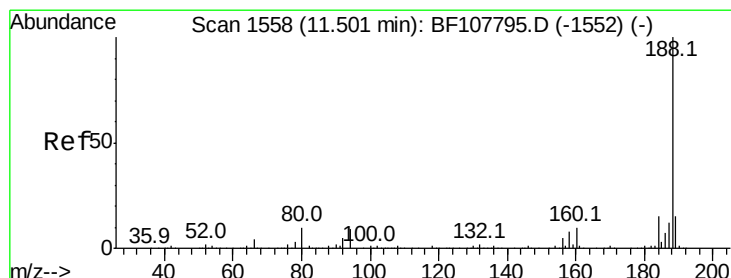
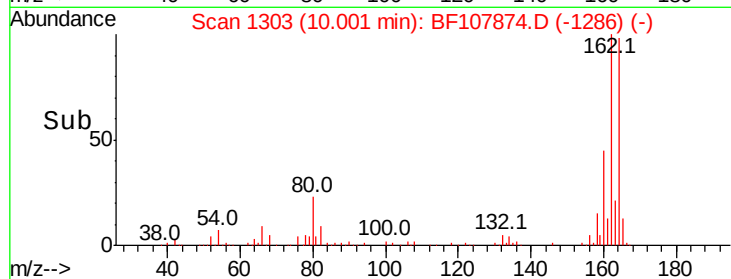
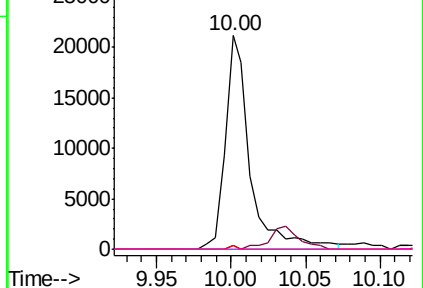


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

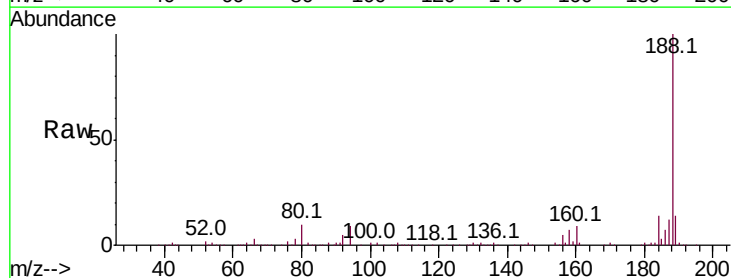
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

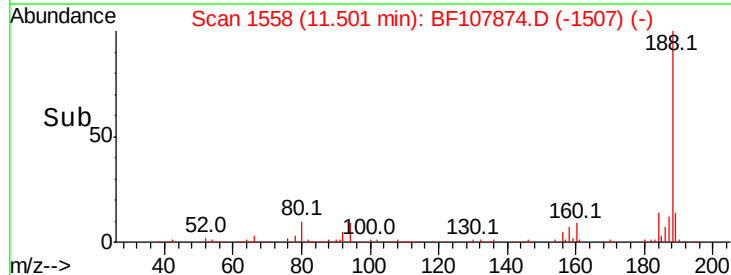
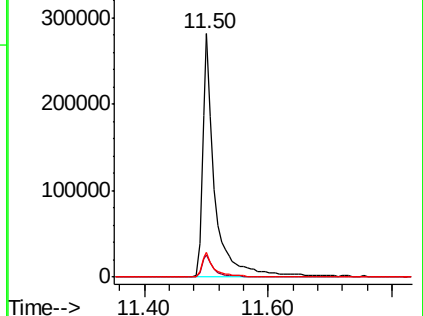
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.1	9.2	13.8

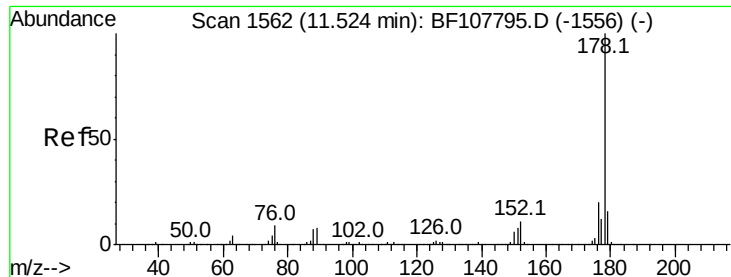


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 6.005 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampleId :

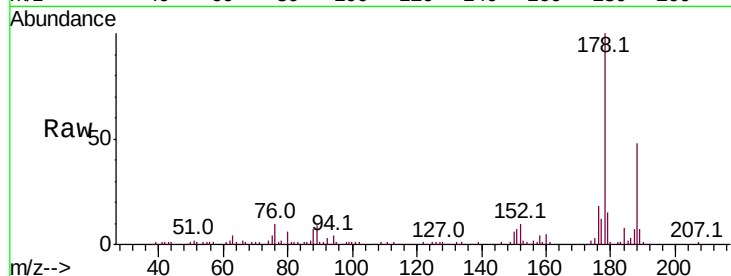
Tot Ion:178 Resp: 112223

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

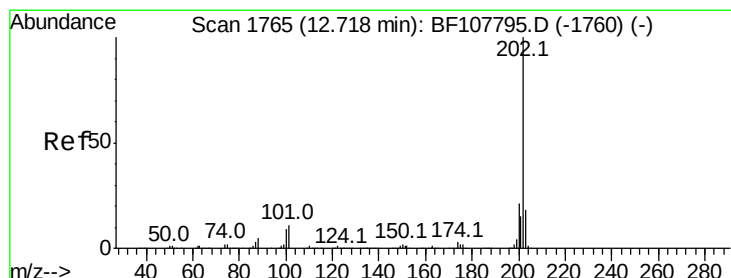
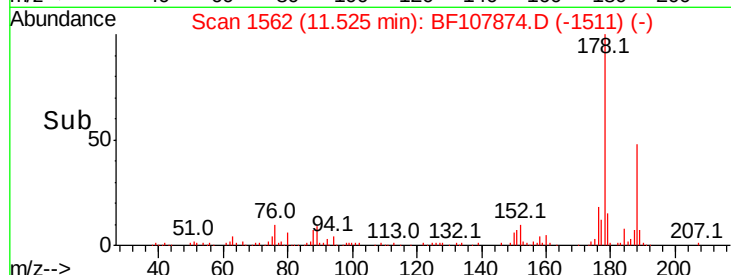
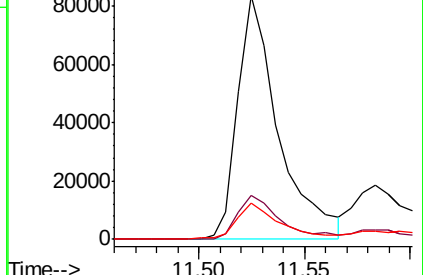
179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.079 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

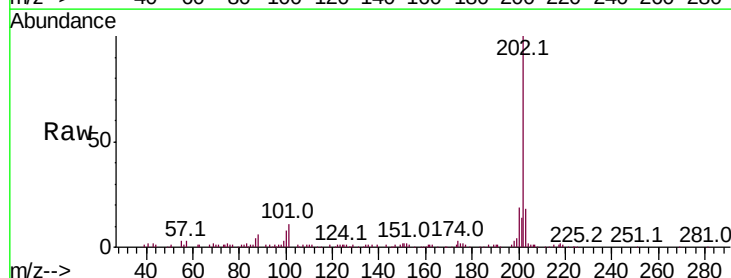
Tgt Ion:202 Resp: 111515

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

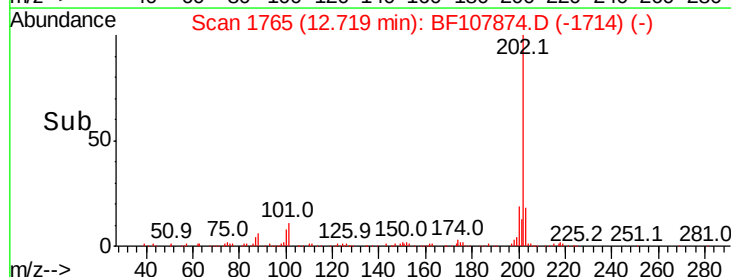
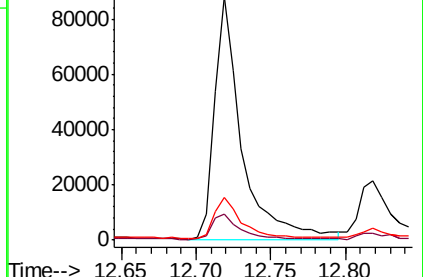
203 17.7 0.0 38.1

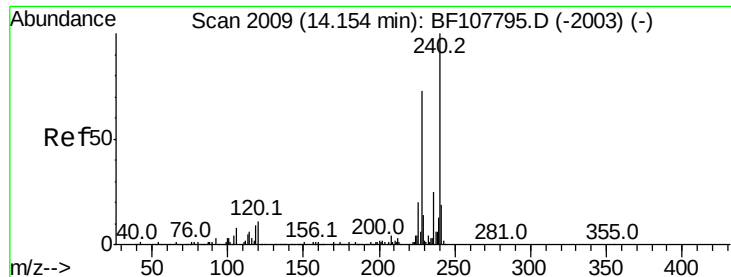


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampleId :

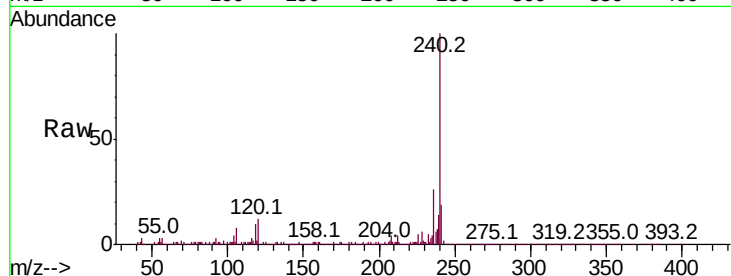
Tot Ion:240 Resp: 354893

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

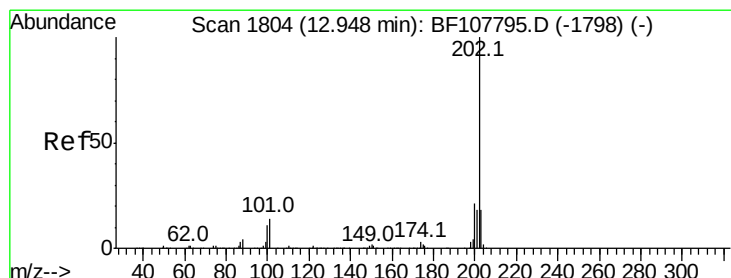
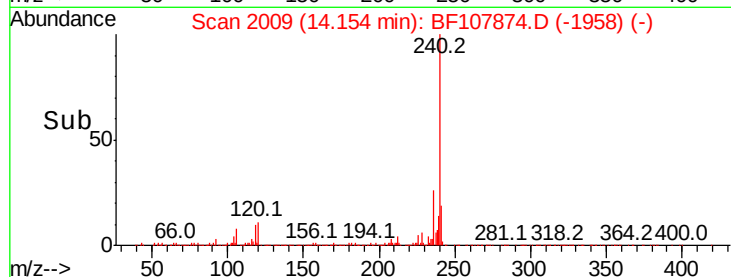
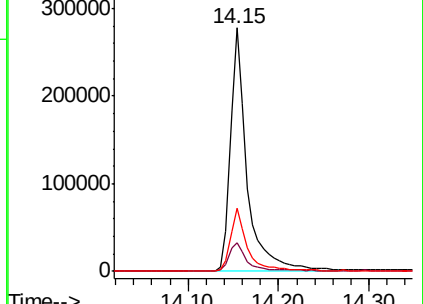
236 25.8 20.7 31.1



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: 6.479 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

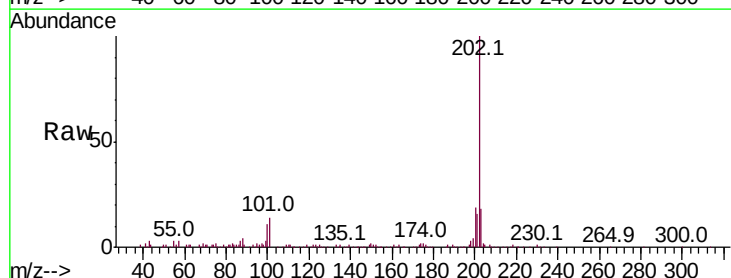
Tgt Ion:202 Resp: 165565

Ion Ratio Lower Upper

202 100

200 18.6 17.4 26.2

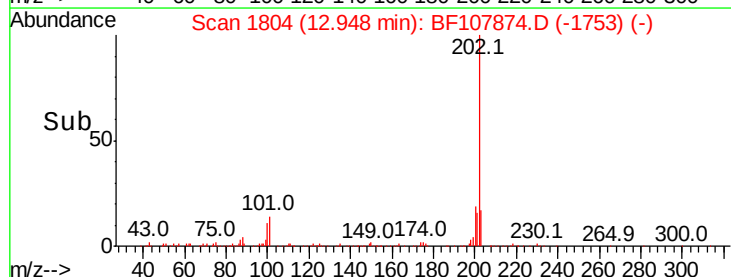
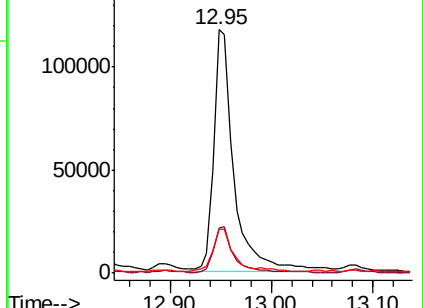
203 18.1 14.3 21.5

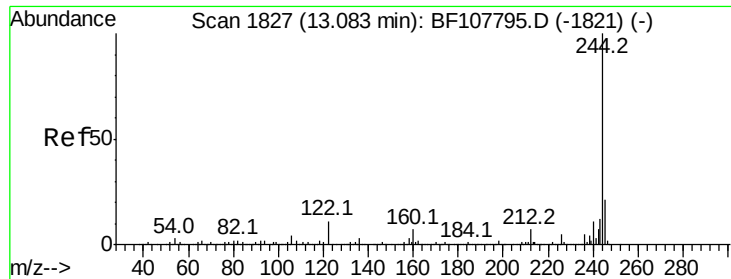


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.792 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

Instrument :

BNA_F

ClientSampled :

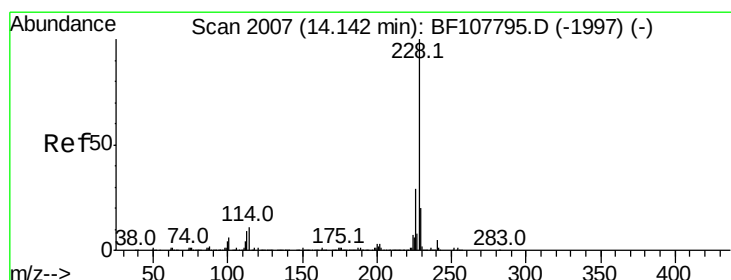
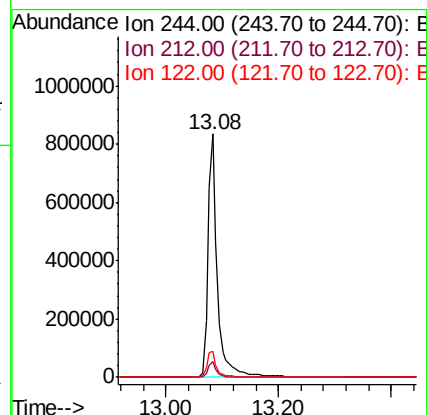
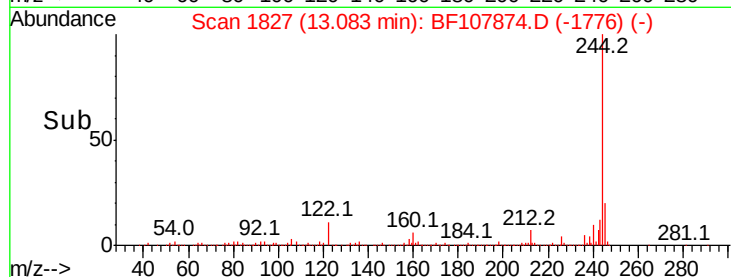
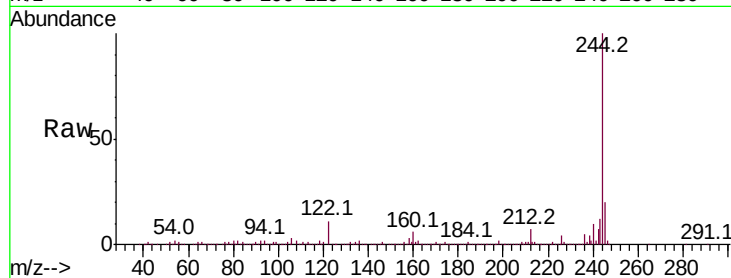
Tot Ion:244 Resp: 978574

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.6 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 2.155 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF107874.D

Acq: 1 Aug 2018 2:21

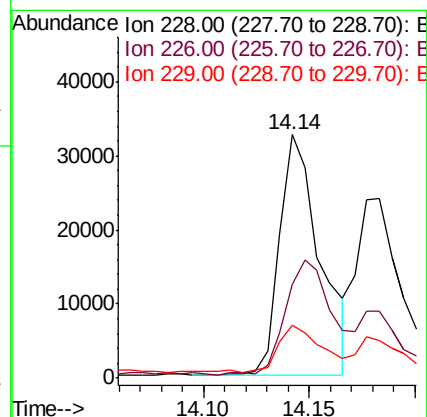
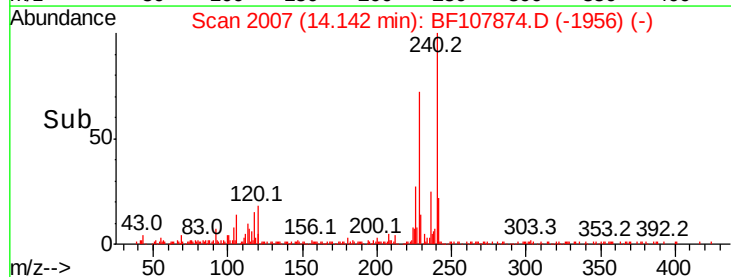
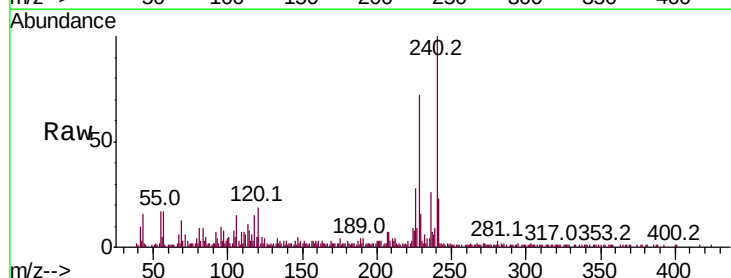
Tgt Ion:228 Resp: 43313

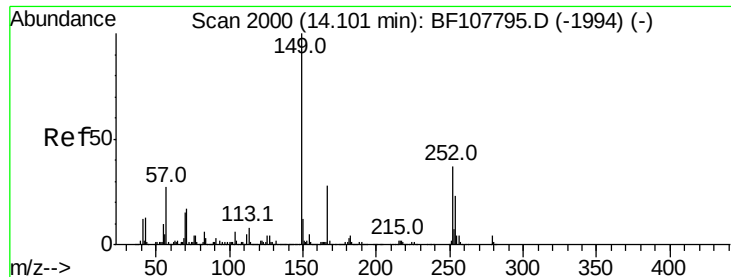
Ion Ratio Lower Upper

228 100

226 38.7 22.6 33.8#

229 22.0 15.8 23.6

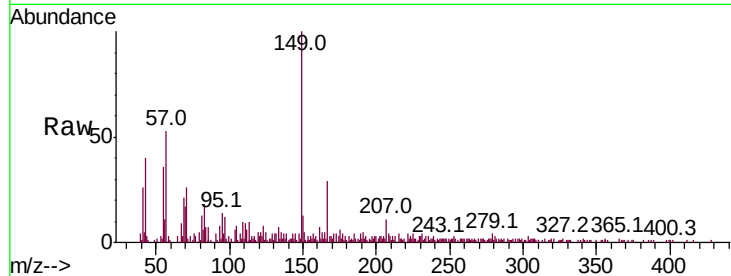




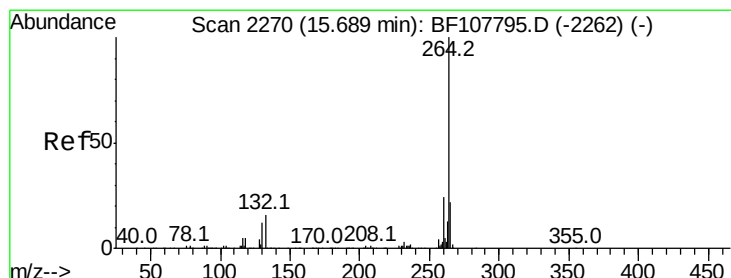
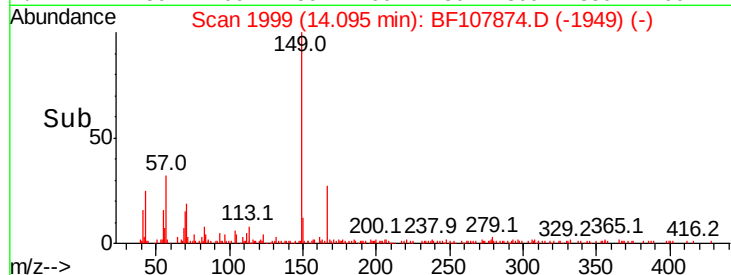
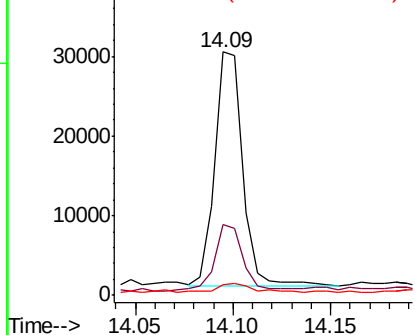
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.066 ng
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 29061
 Ion Ratio Lower Upper
 149 100
 167 29.0 21.3 31.9
 279 4.3 3.0 4.4

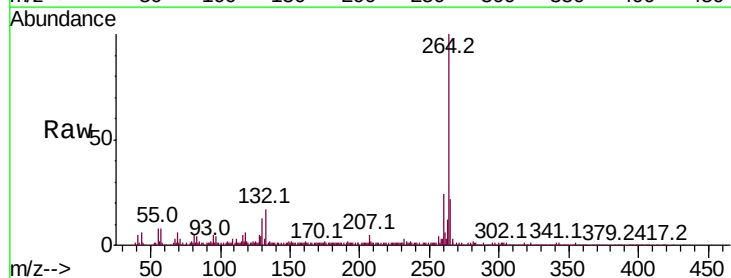


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

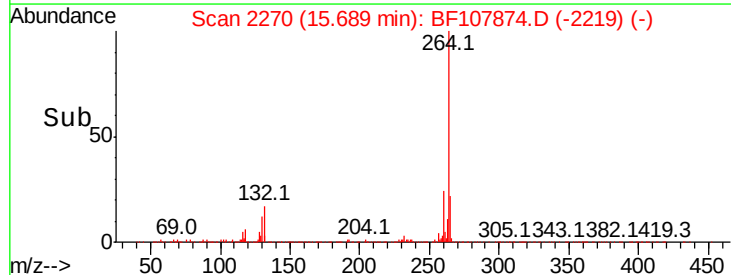
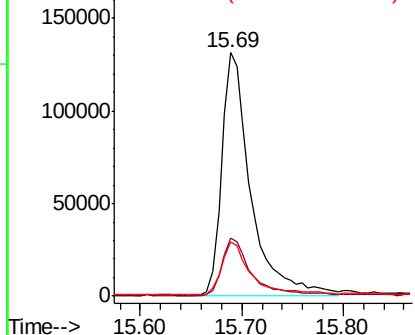


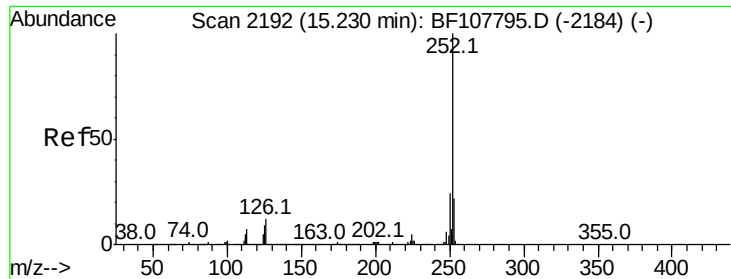
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF107874.D
 Acq: 1 Aug 2018 2:21

Tgt Ion:264 Resp: 258712
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.3 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

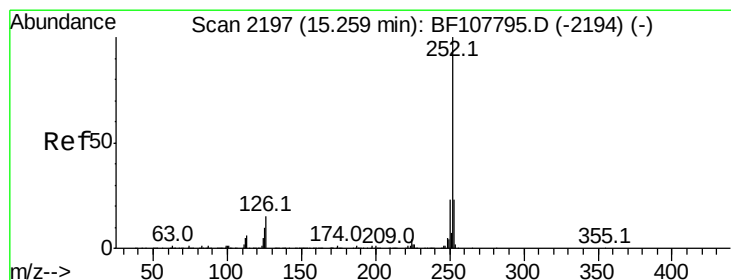
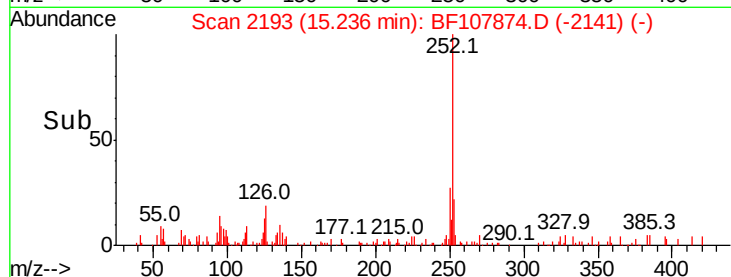
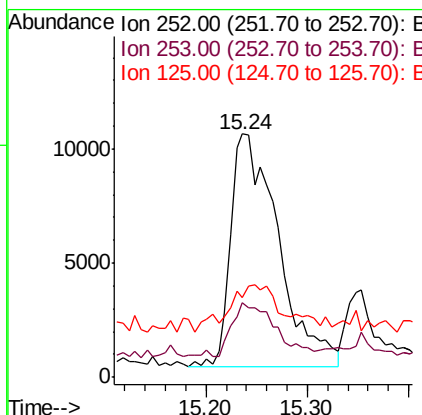
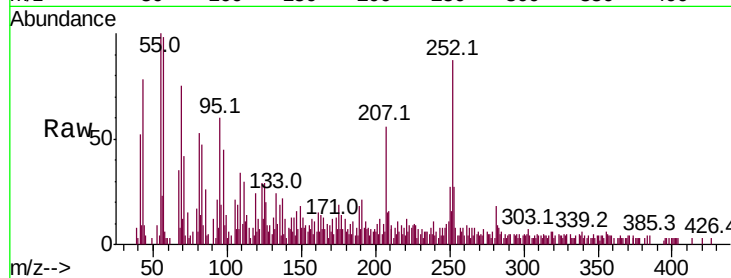




#87
Benzo(b)fluoranthene
Concen: 2.609 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.0	25.6#
125	32.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.125 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107874.D
Acq: 1 Aug 2018 2:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.9	26.9#
125	32.7	10.2	15.2#

