

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107812.D
 Acq On : 30 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J4164-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

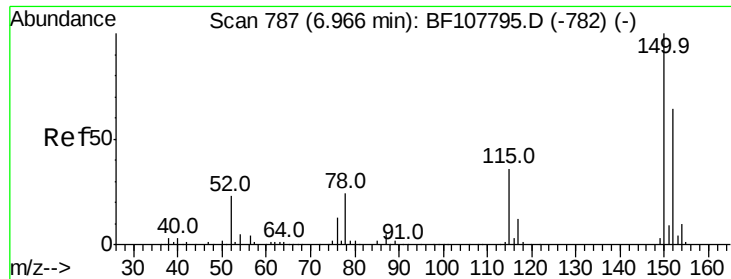
Quant Time: Jul 31 01:03:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	183898	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	801266	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	353799	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	765932	20.00	ng	0.00
75) Chrysene-d12	14.15	240	518680	20.00	ng	0.00
86) Perylene-d12	15.68	264	519744	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1417361	130.99	ng	0.00
7) Phenol-d6	6.61	99	1739893	122.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	1176109	84.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	552683	114.96	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	2009359	79.14	ng	0.00
78) Terphenyl-d14	13.08	244	1994965	83.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.77	88	322	5.849	ng	# 22
3) Pyridine	3.51	79	115	6.262	ng	# 1
9) Benzaldehyde	6.74	77	31024	3.606	ng	# 83
10) Phenol	6.62	94	36519	2.147	ng	# 11
19) n-Nitroso-di-n-propylamine	7.52	70	138111	15.267	ng	# 82
25) Isophorone	7.52	82	1181544	51.753	ng	# 64
49) Dimethylphthalate	9.71	163	139011	5.232	ng	# 99
55) 4-Nitrophenol	10.22	139	1402	9.674	ng	# 40
56) 2,4-Dinitrotoluene	10.00	165	44249	5.830	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	31143	3.488	ng	# 1
80) Benzo(a)anthracene	14.14	228	73784	2.511	ng	# 97
87) Benzo(b)fluoranthene	15.22	252	100276	3.912	ng	# 88
88) Benzo(k)fluoranthene	15.22	252	100276	3.186	ng	# 91
89) Benzo(a)pyrene	15.61	252	55730	2.106	ng	# 81

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

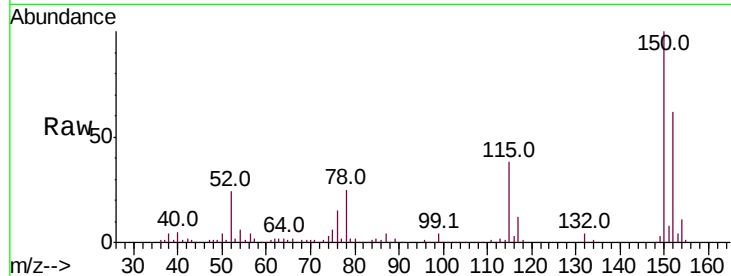


#1

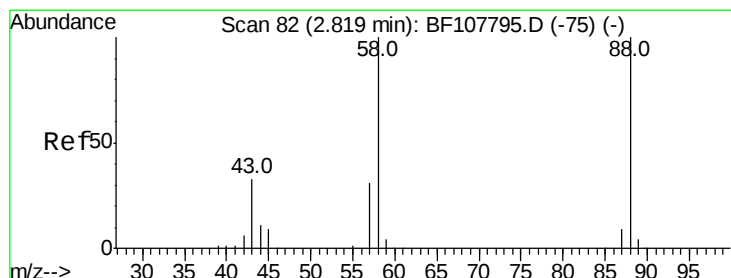
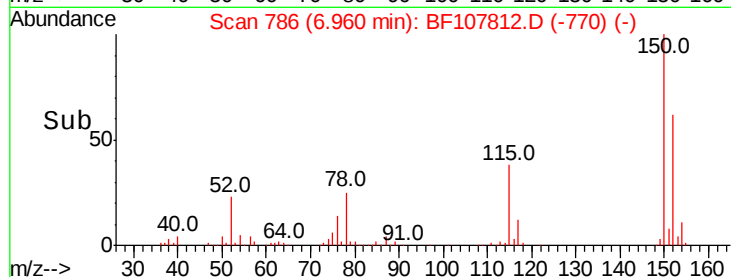
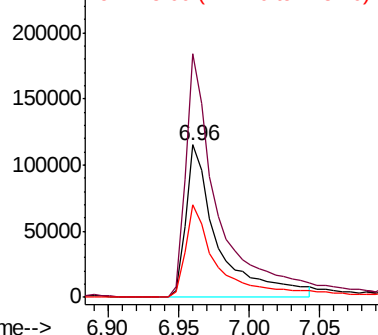
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183898
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 60.8 50.1 75.1



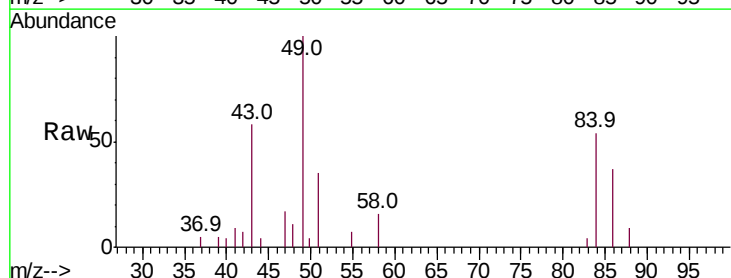
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



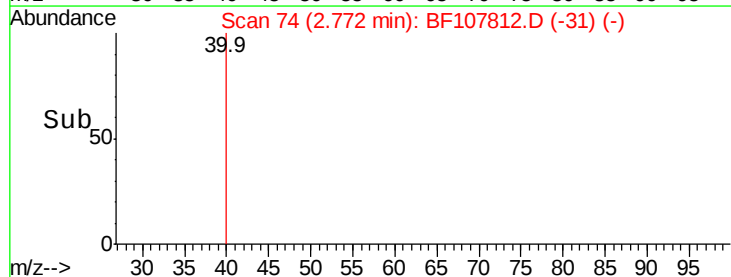
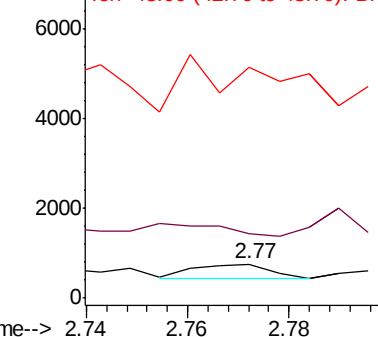
#2

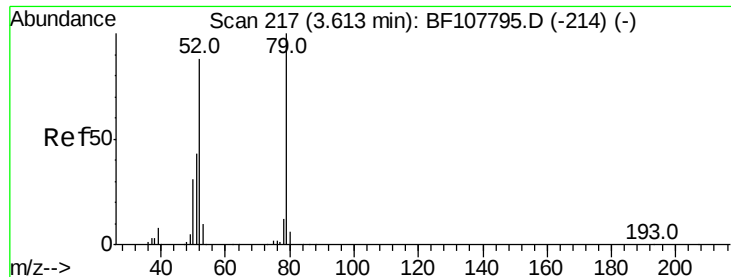
1,4-Dioxane
Concen: 5.849 ng
RT: 2.77 min Scan# 74
Delta R.T. -0.05 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
58 154.0 62.6 93.8#
43 0.0 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





#3

Pvridine

Concen: 6.262 ng

RT: 3.51 min Scan# 200

Delta R.T. -0.10 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Instrument :

BNA_F

ClientSampled :

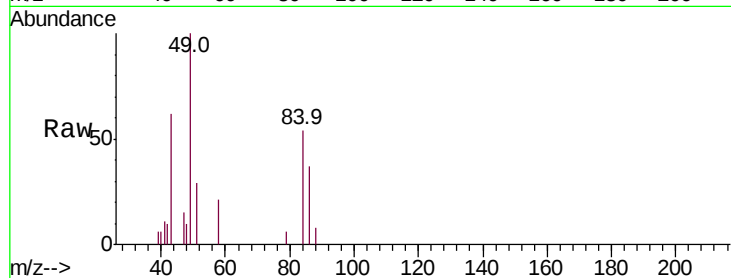
Tot Ion: 79 Resp: 115

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

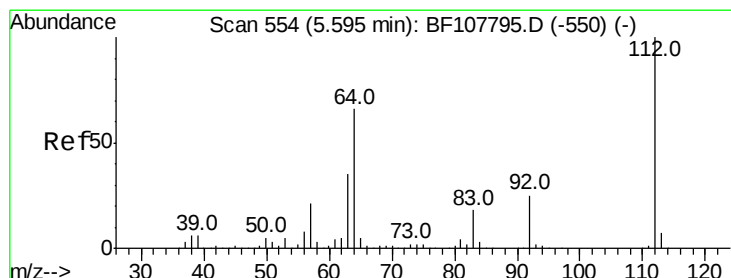
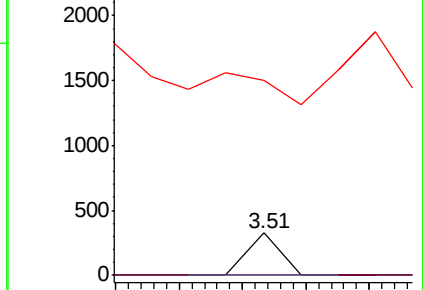
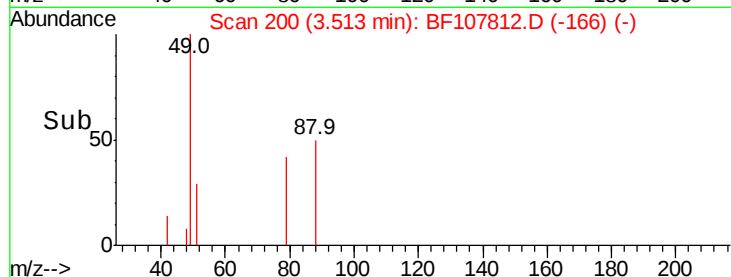
51 460.2 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 130.990 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

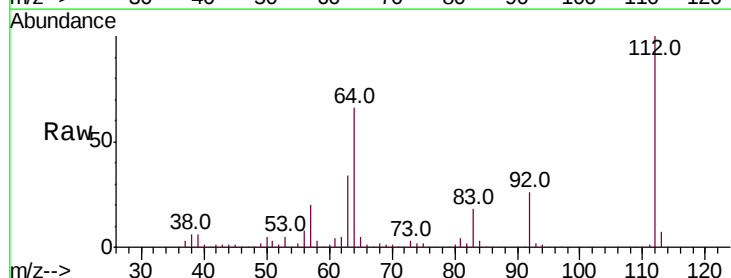
Tgt Ion: 112 Resp: 1417361

Ion Ratio Lower Upper

112 100

64 65.5 47.9 71.9

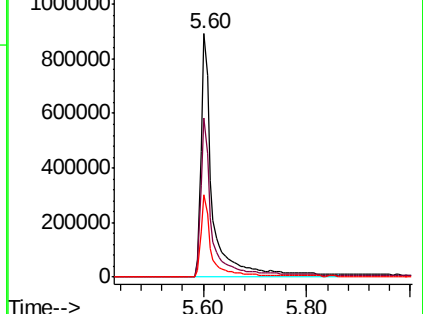
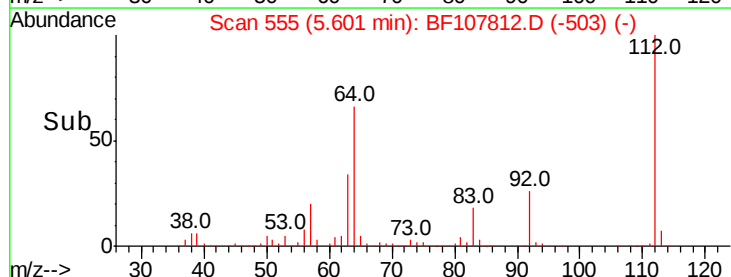
63 33.6 23.7 35.5

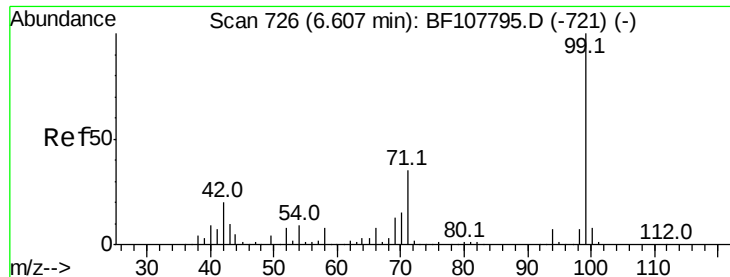


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 122.006 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

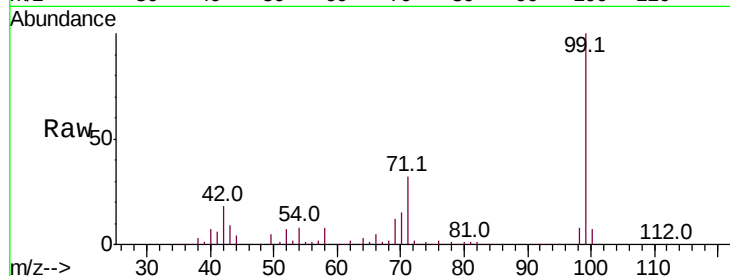
Tot Ion: 99 Resp: 1739893

Ion Ratio Lower Upper

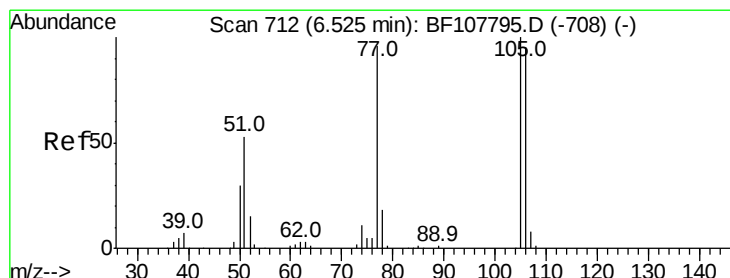
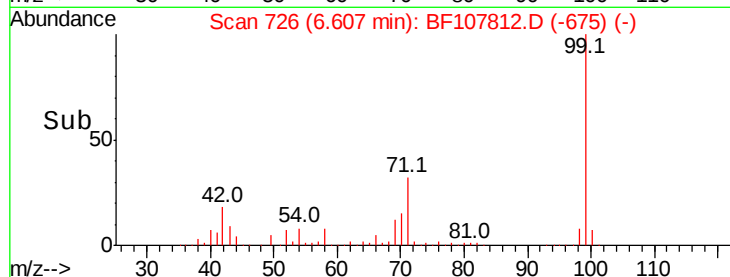
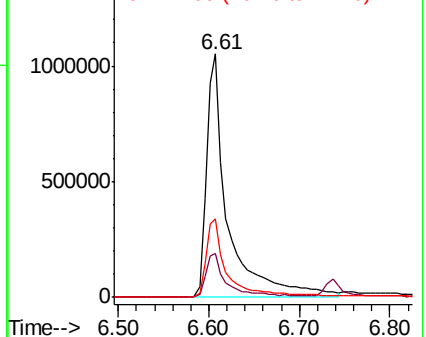
99 100

42 18.1 14.5 21.7

71 32.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.606 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

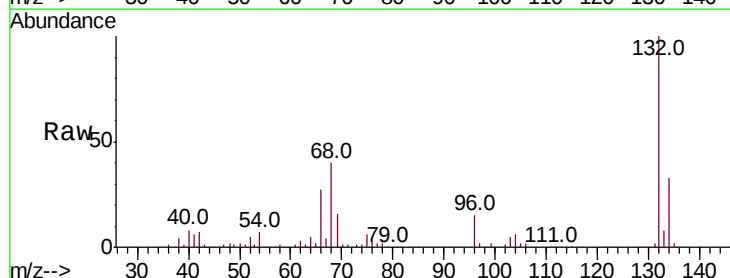
Tgt Ion: 77 Resp: 31024

Ion Ratio Lower Upper

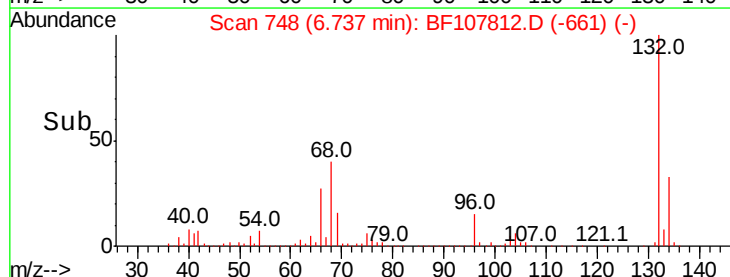
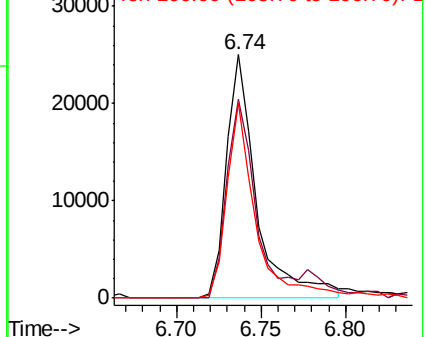
77 100

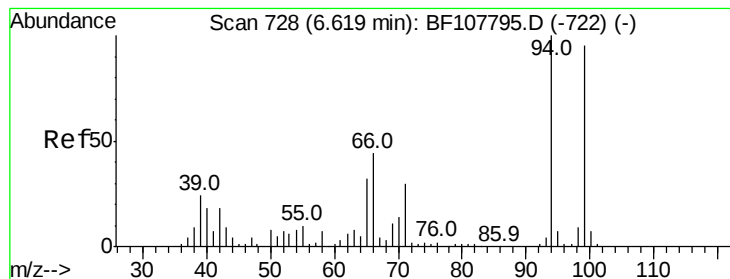
105 81.7 81.1 121.1

106 79.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.147 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

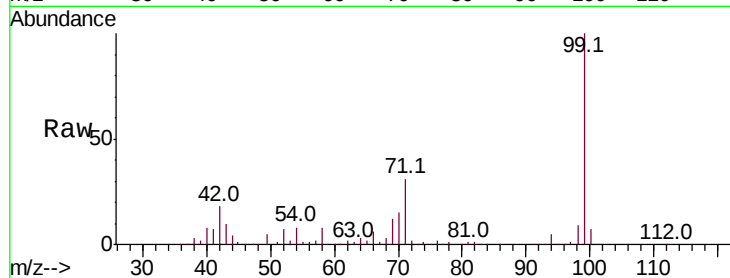
Tot Ion: 94 Resp: 36519

Ion Ratio Lower Upper

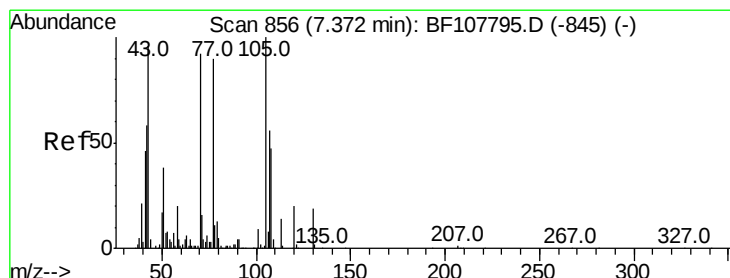
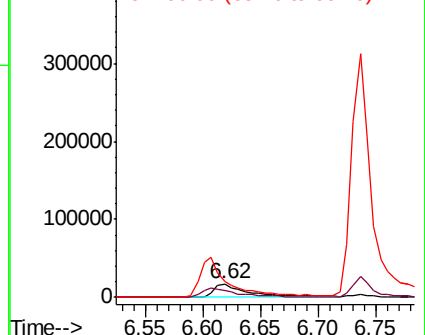
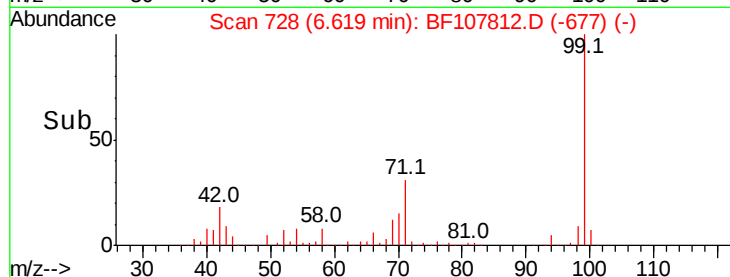
94 100

65 47.0 7.9 47.9

66 112.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.267 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Tgt Ion: 70 Resp: 138111

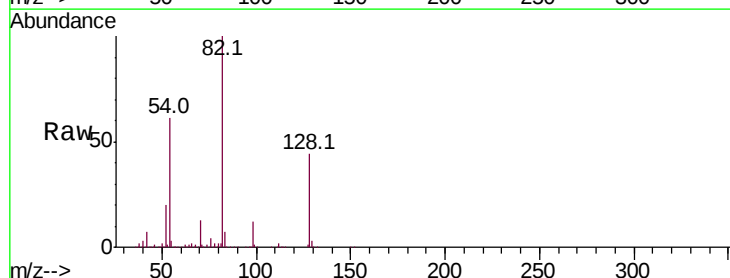
Ion Ratio Lower Upper

70 100

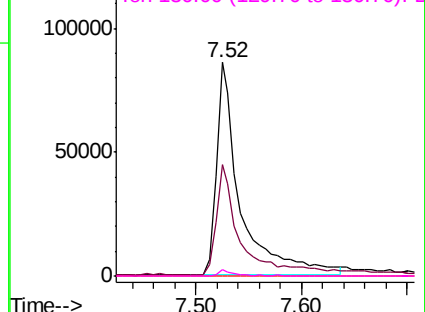
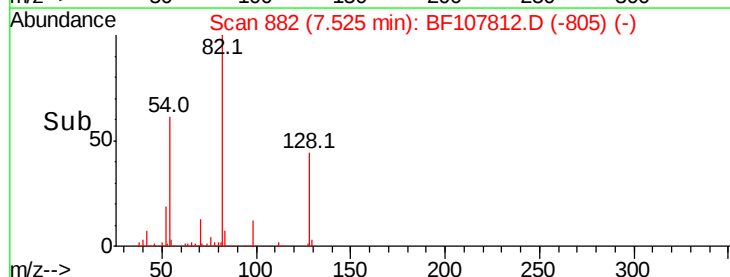
42 52.0 47.5 71.3

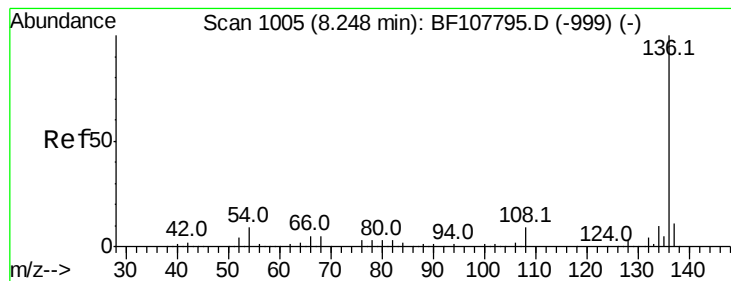
101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 801266

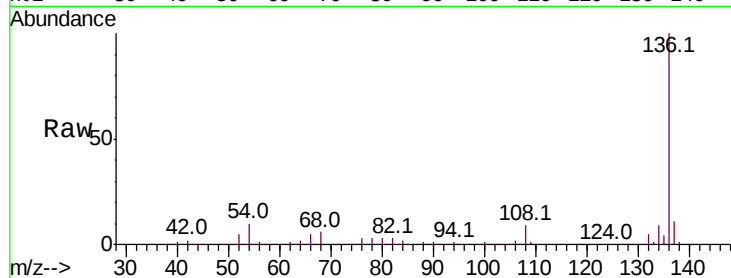
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.7 6.6 9.8

68 6.3 5.0 7.4

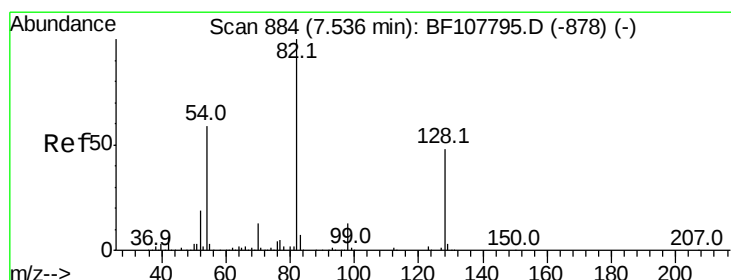
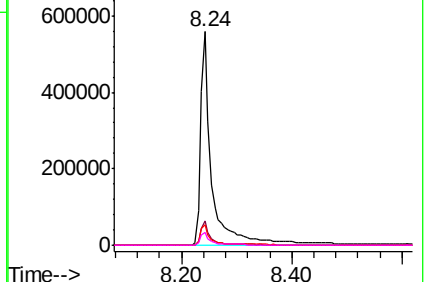
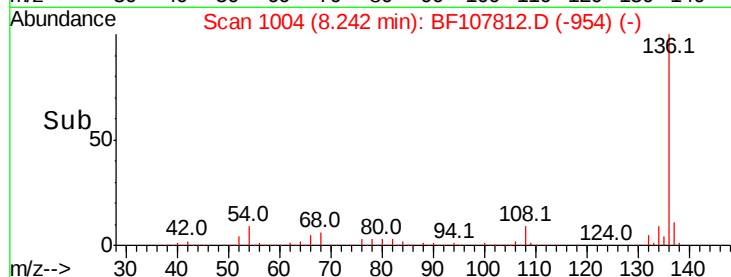


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.561 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

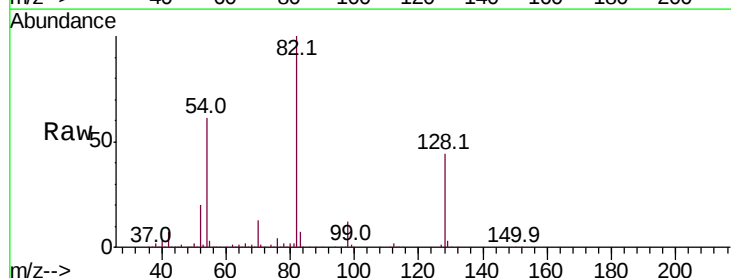
Tgt Ion: 82 Resp: 1176109

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

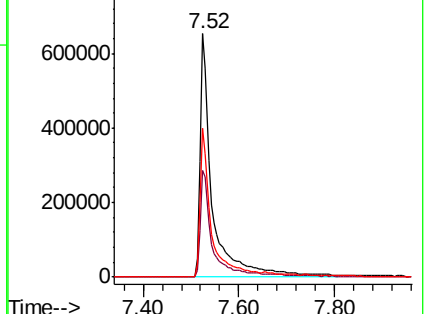
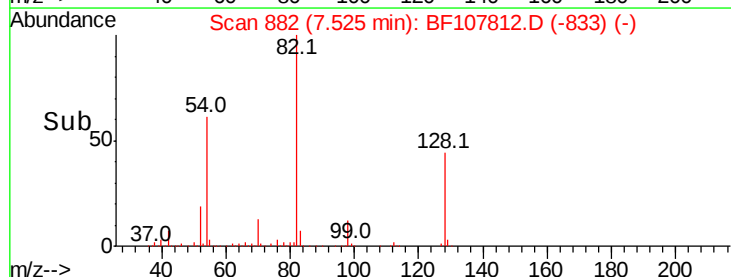
54 61.1 41.4 62.2

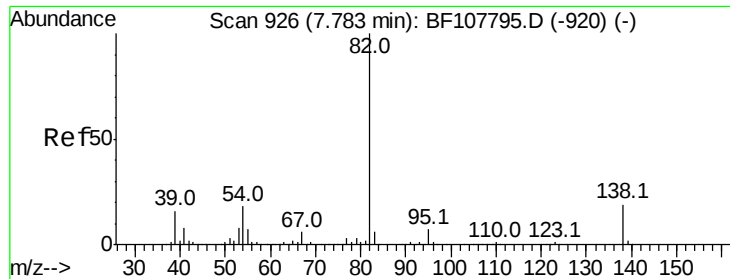


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

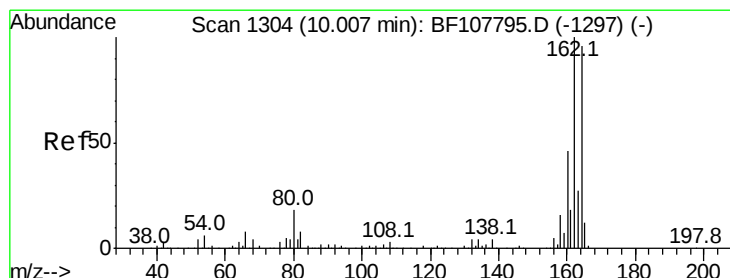
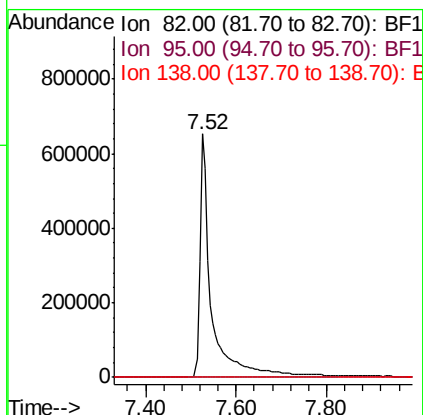
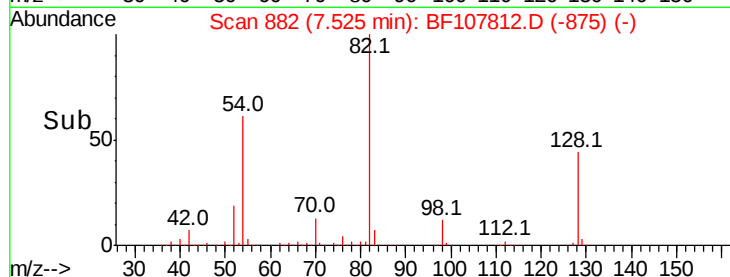
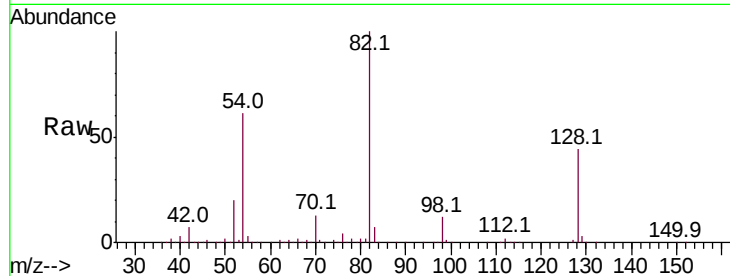




#25
Isophorone
Concen: 51.753 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

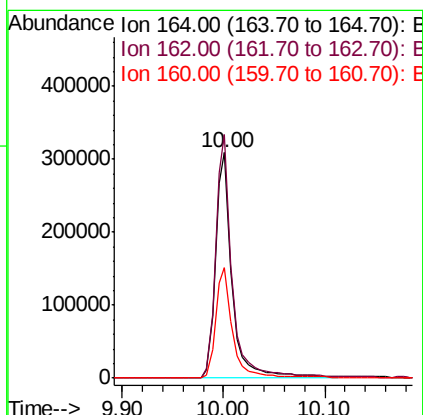
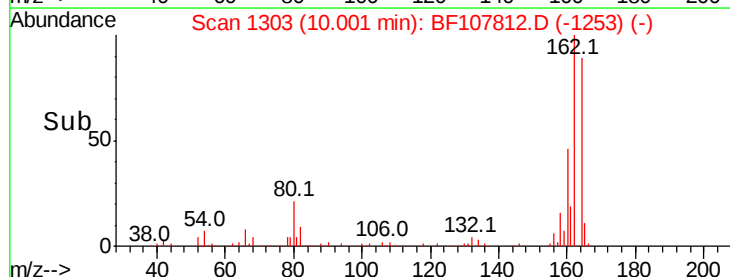
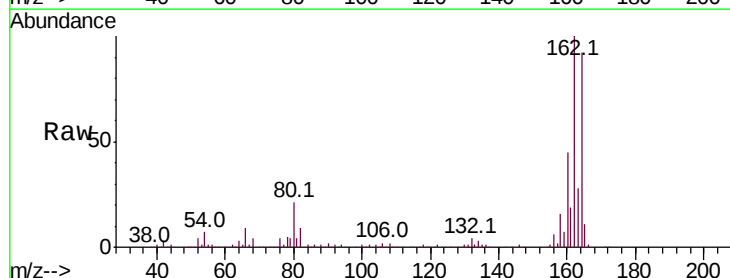
Instrument :
BNA_F
ClientSampleId :

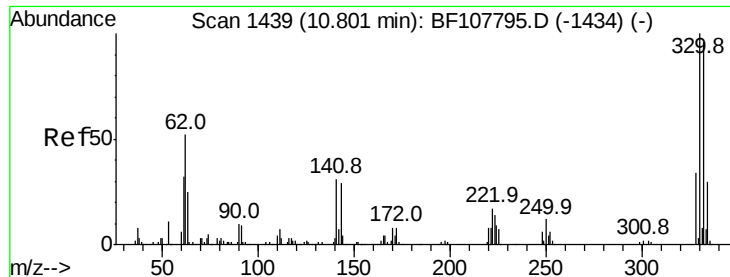
Tot Ion: 82 Resp: 1181544
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion:164 Resp: 353799
Ion Ratio Lower Upper
164 100
162 108.2 86.1 129.1
160 49.1 38.3 57.5

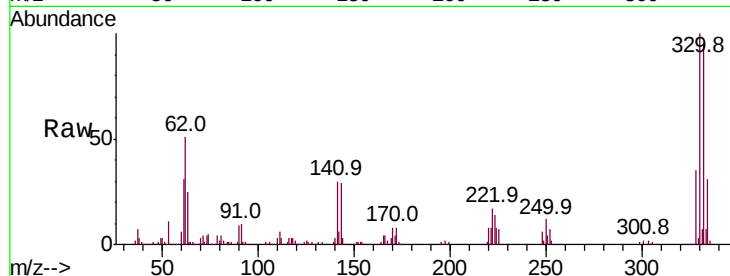




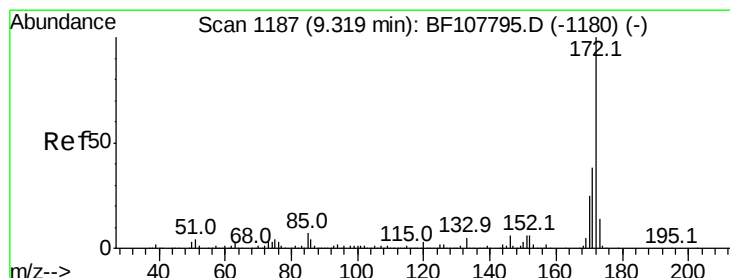
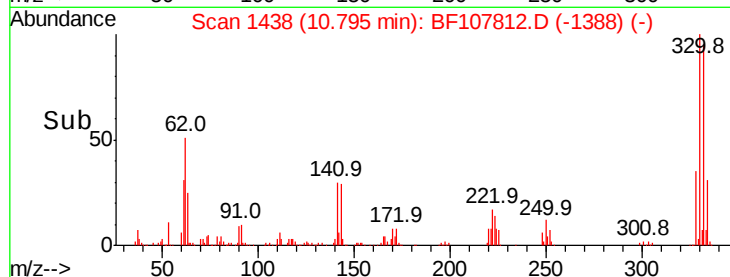
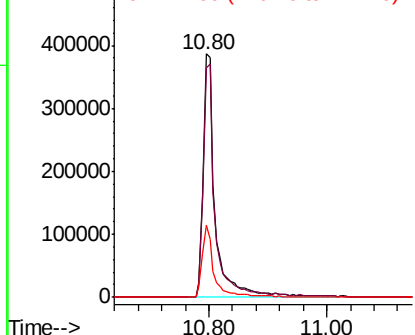
#41
 2,4,6-Tribromophenol
 Concen: 114.965 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107812.D
 Acq: 30 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	28.7	29.9	44.9#

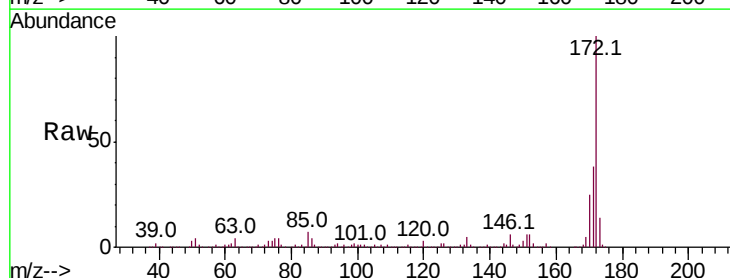


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

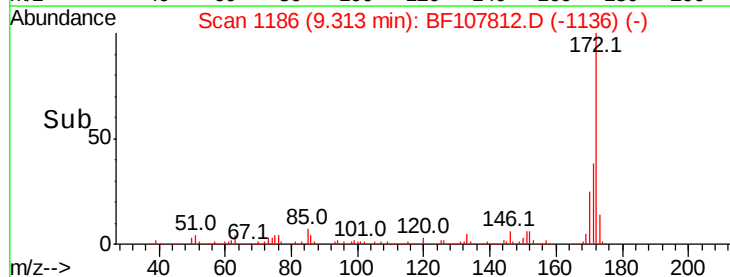
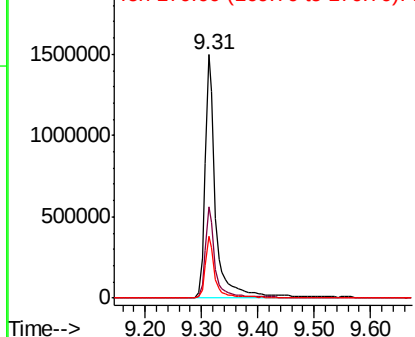


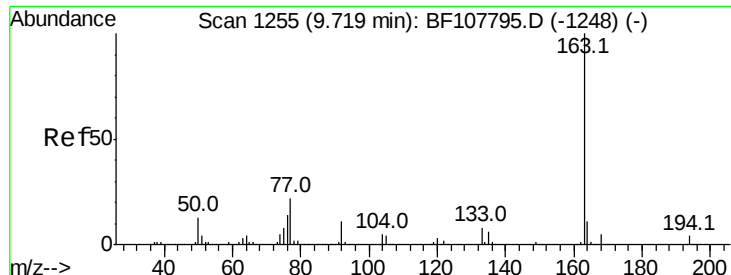
#44
 2-Fluorobiphenyl
 Concen: 79.142 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107812.D
 Acq: 30 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.3	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

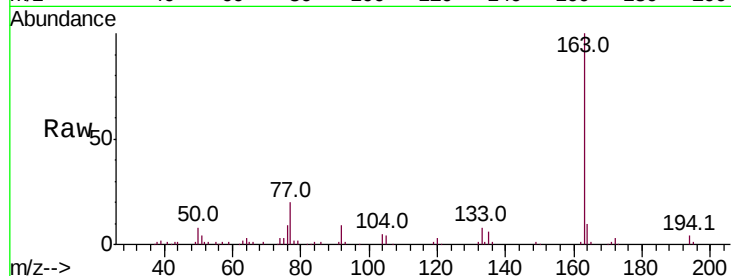




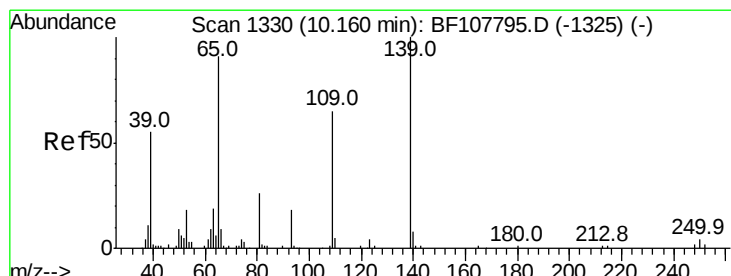
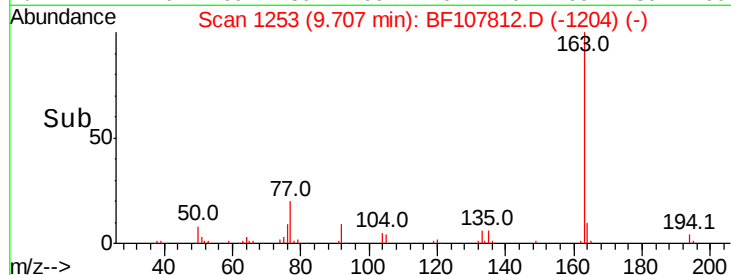
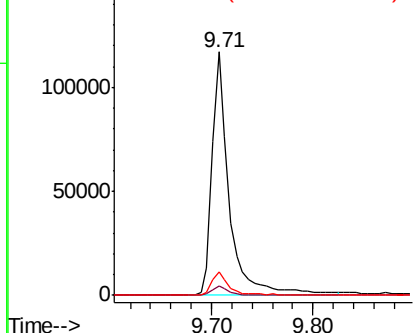
#49
Dimethylphthalate
Concen: 5.232 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 139011
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2

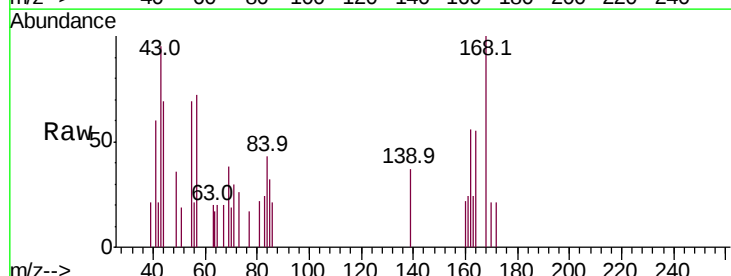


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

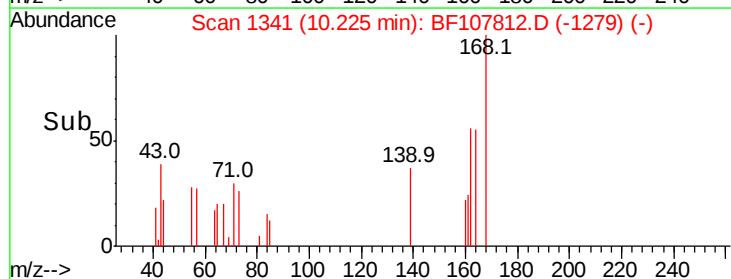
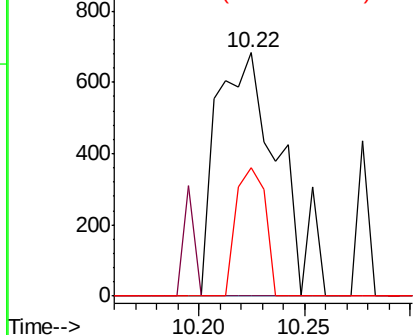


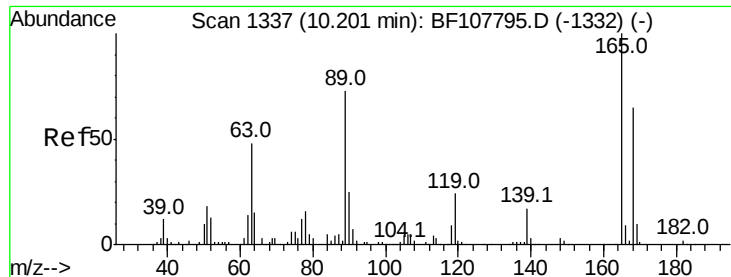
#55
4-Nitrophenol
Concen: 9.674 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion:139 Resp: 1402
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 53.0 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

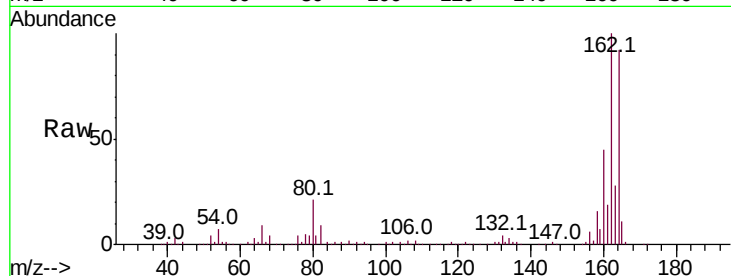




#56
 2,4-Dinitrotoluene
 Concen: 5.830 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107812.D
 Acq: 30 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

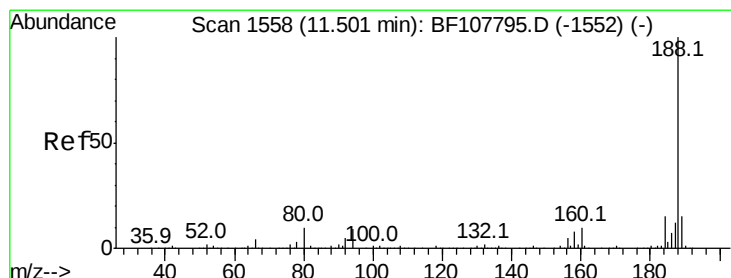
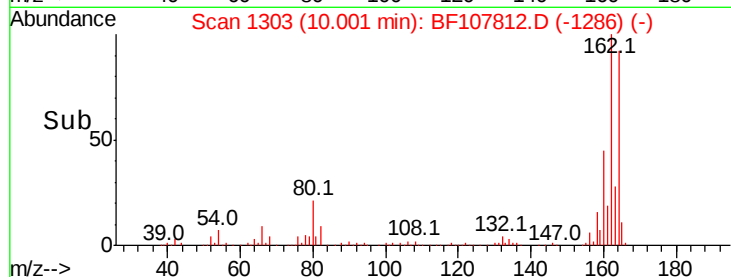
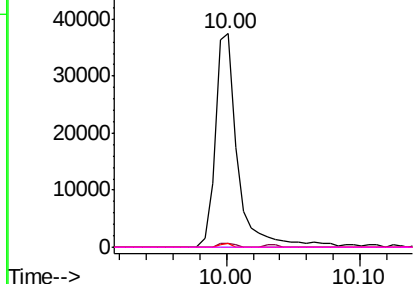


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

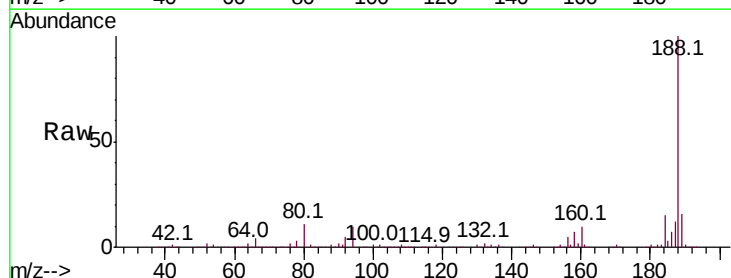
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107812.D
 Acq: 30 Jul 2018 20:46

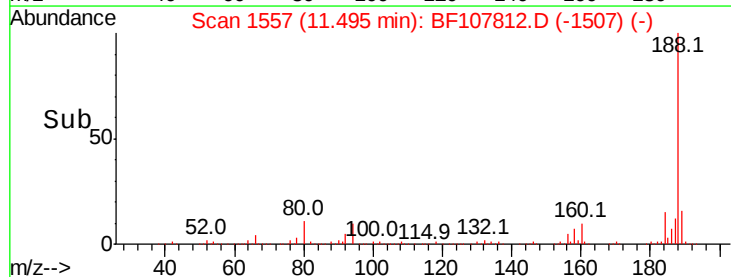
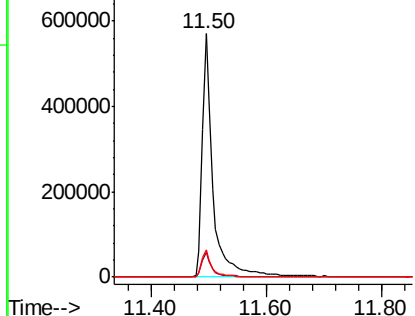
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.0	9.2	13.8

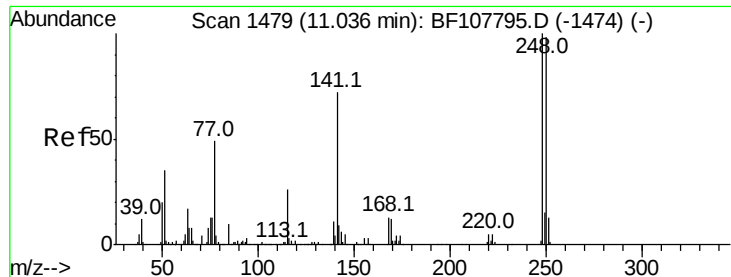


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

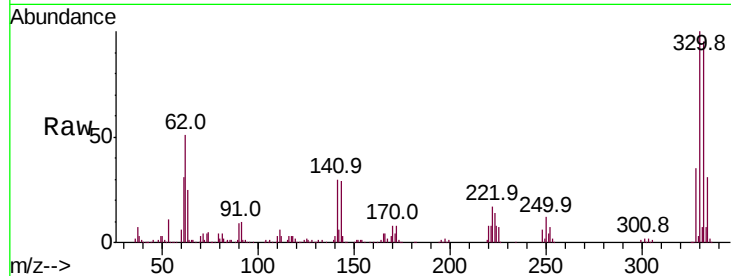




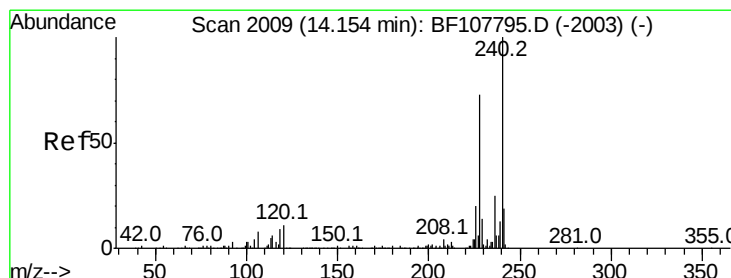
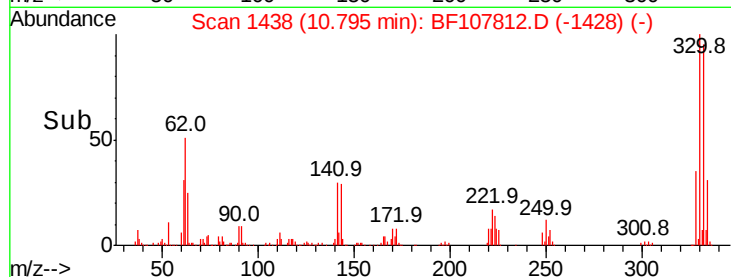
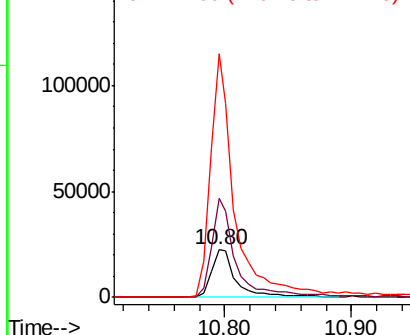
#66
4-Bromophenyl-phenylether
Concen: 3.488 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 31143
Ion Ratio Lower Upper
248 100
250 209.4 76.9 115.3#
141 512.0 74.4 111.6#

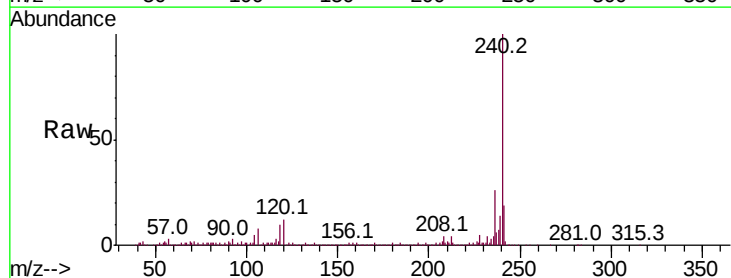


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

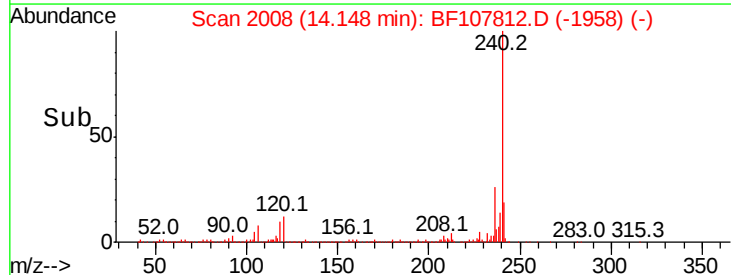
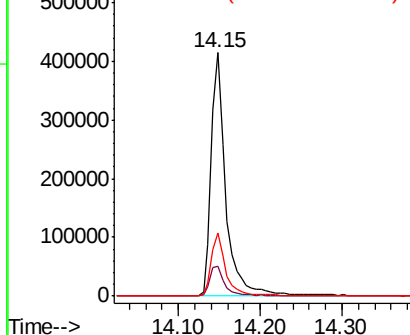


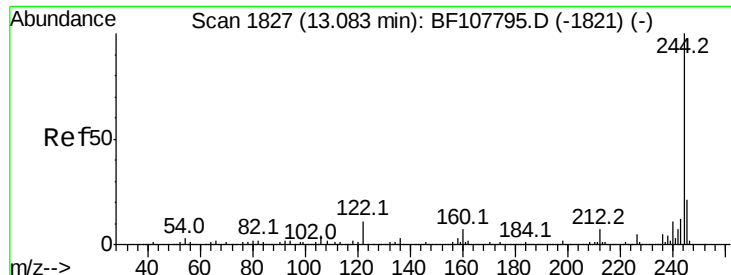
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion:240 Resp: 518680
Ion Ratio Lower Upper
240 100
120 12.0 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





#78

Terphenyl-d14

Concen: 83.403 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

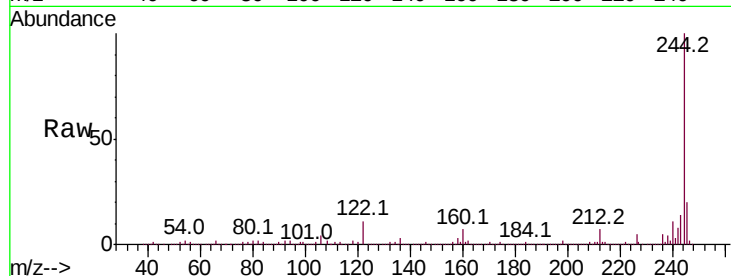
Tot Ion:244 Resp: 1994965

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

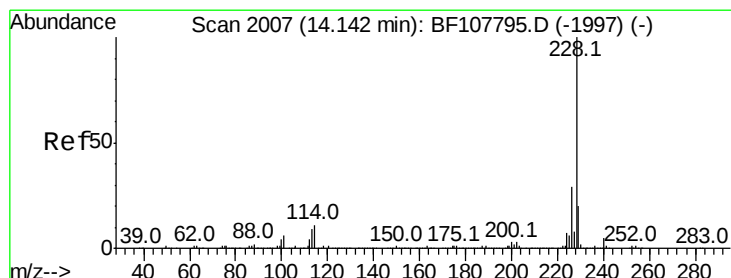
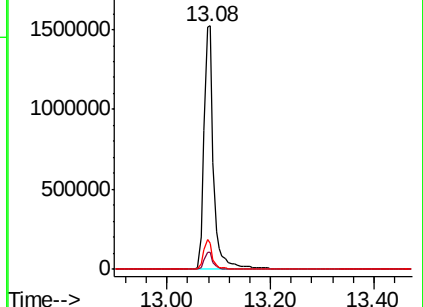
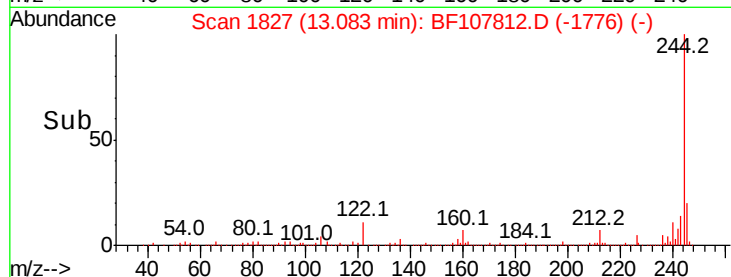
122 10.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.511 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107812.D

Acq: 30 Jul 2018 20:46

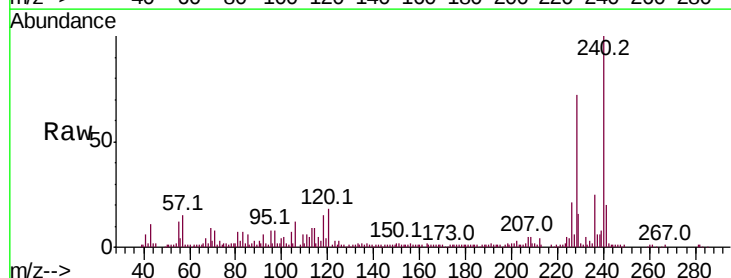
Tgt Ion:228 Resp: 73784

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

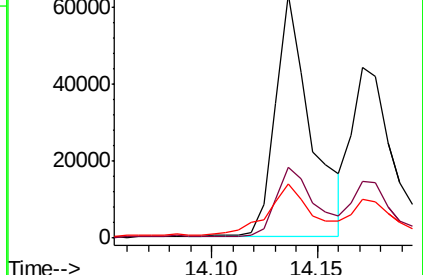
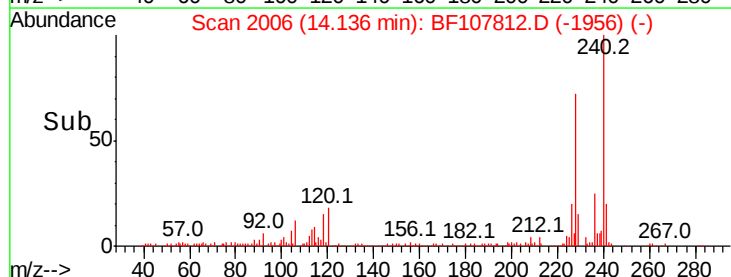
229 22.1 15.8 23.6

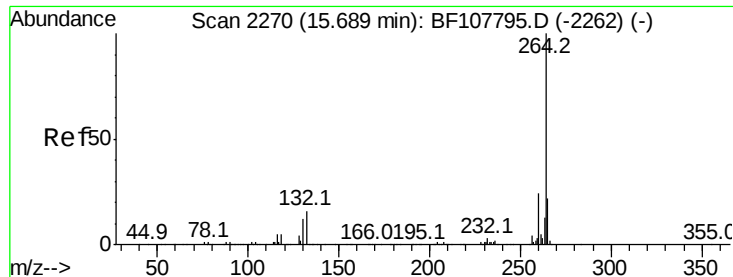


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

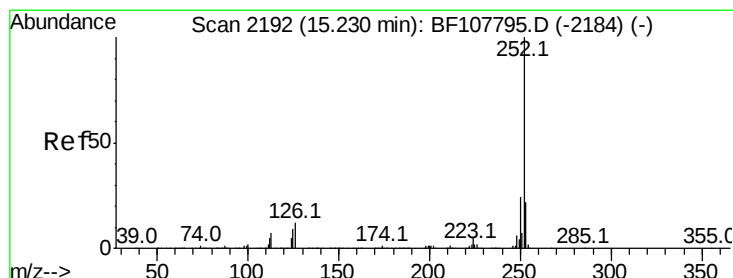
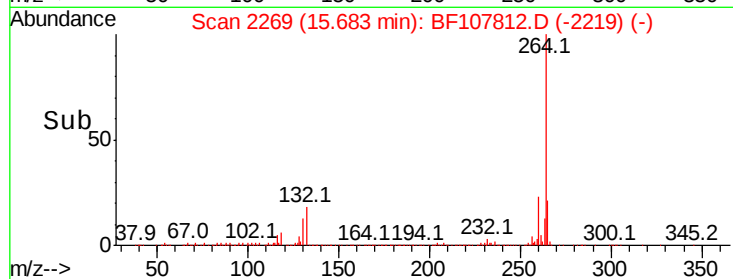
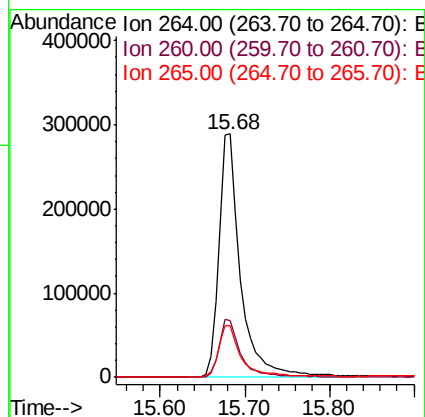
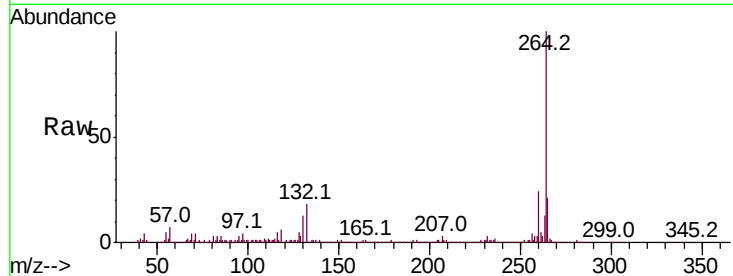




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

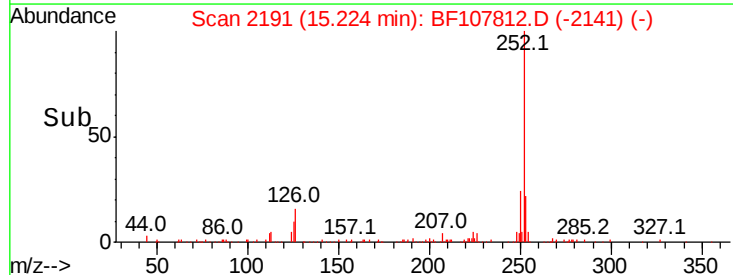
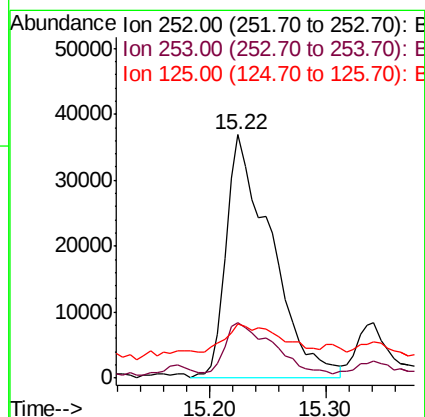
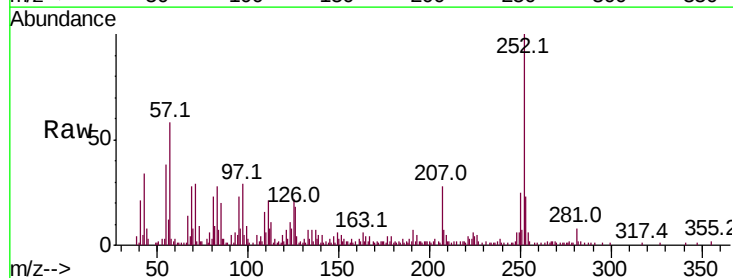
Instrument :
BNA_F
ClientSampleId :

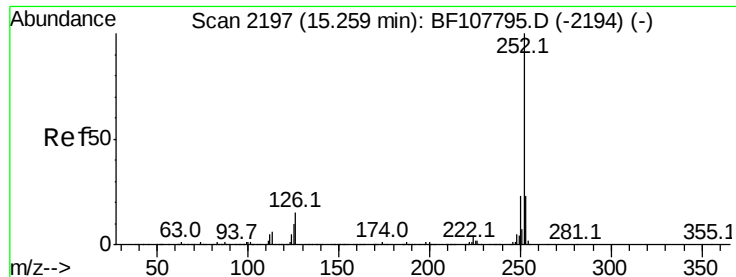
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.912 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	22.1	9.0	13.6

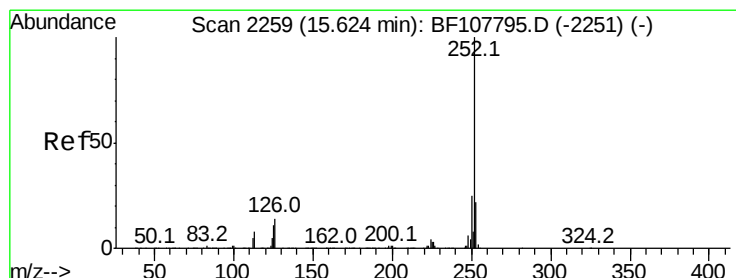
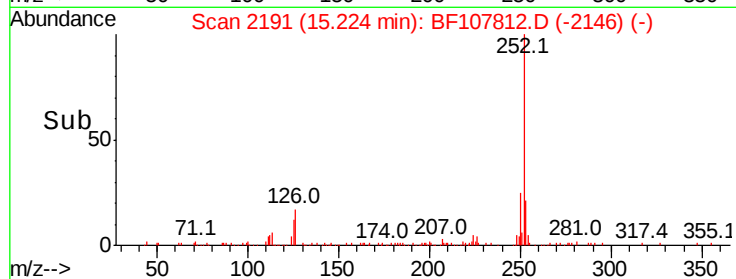
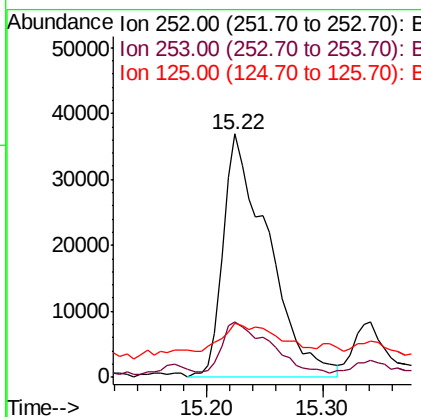
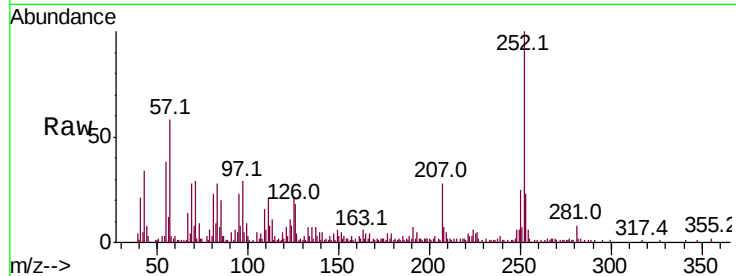




#88
Benzo(k)fluoranthene
Concen: 3.186 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	22.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.106 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107812.D
Acq: 30 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	26.4	9.8	14.6

