

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107901.D
 Acq On : 1 Aug 2018 20:44
 Operator : JU/SJ
 Sample : J4256-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 01:00:13 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	151179	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	651635	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	299392	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	550432	20.00	ng	0.00
75) Chrysene-d12	14.15	240	357593	20.00	ng	0.00
86) Perylene-d12	15.69	264	383286	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	456812	51.35	ng	0.00
7) Phenol-d6	6.61	99	403807	34.44	ng	0.00
23) Nitrobenzene-d5	7.53	82	915434	80.93	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	431282	106.01	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1717714	79.95	ng	0.00
78) Terphenyl-d14	13.08	244	1386014	84.05	ng	0.00

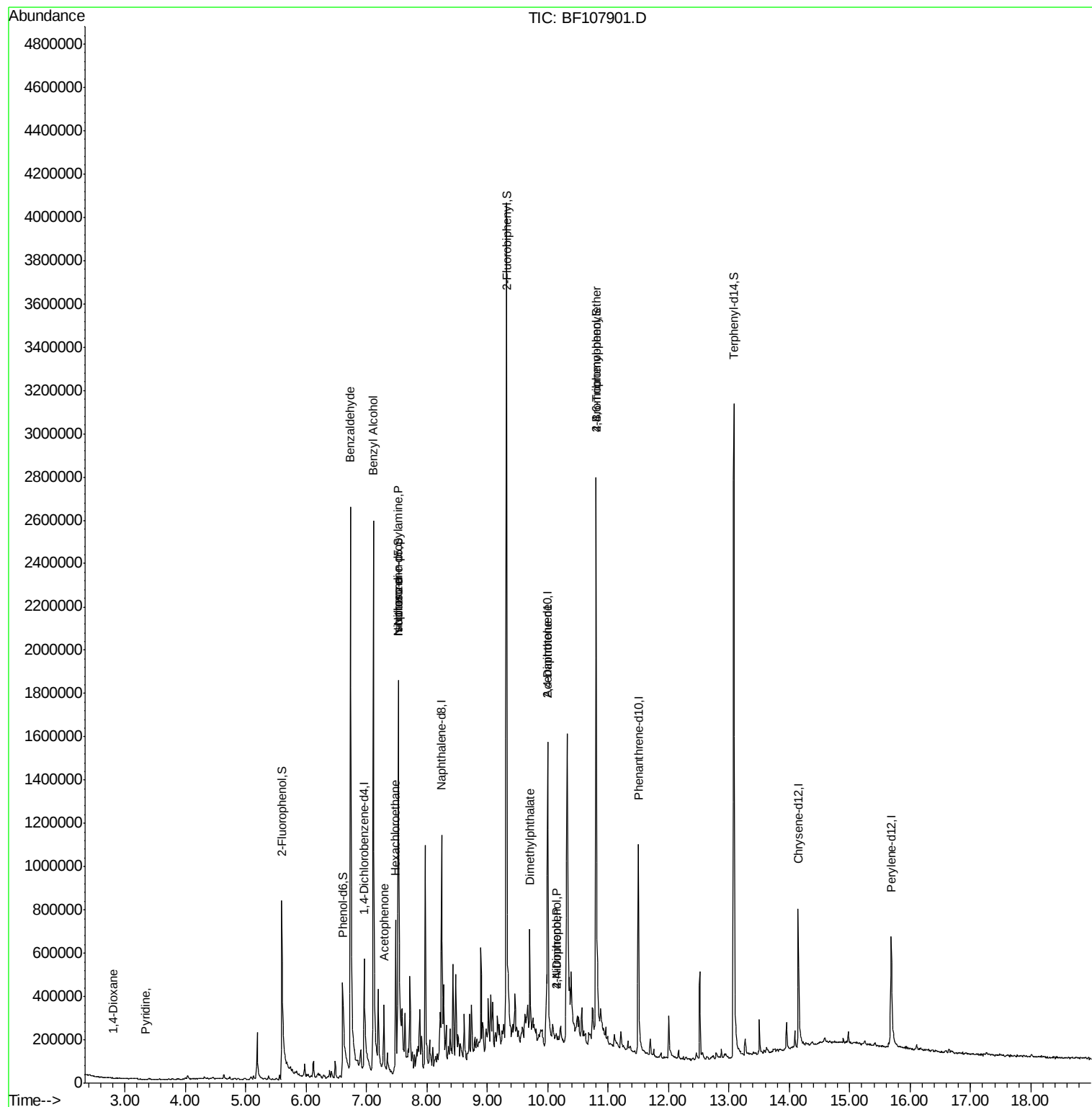
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	203	5.836	ng	# 1
3) Pyridine	3.35	79	155	6.267	ng	# 1
9) Benzaldehyde	6.74	77	21796	3.081	ng	# 79
15) Benzyl Alcohol	7.11	79	15922	2.185	ng	# 40
18) Hexachloroethane	7.48	117	55766	11.893	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	114497	15.396	ng	# 79
22) Acetophenone	7.29	105	60774	3.877	ng	# 71
25) Isophorone	7.53	82	915434	49.304	ng	# 64
49) Dimethylphthalate	9.71	163	237705	10.572	ng	# 99
53) 2,4-Dinitrophenol	10.15	184	268	8.533	ng	# 1
55) 4-Nitrophenol	10.14	139	3983	10.527	ng	# 62
56) 2,4-Dinitrotoluene	10.00	165	41024	6.388	ng	# 28
66) 4-Bromophenyl-phenylether	10.80	248	25062	3.906	ng	# 1

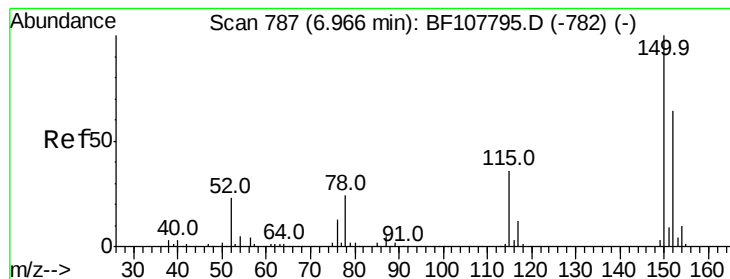
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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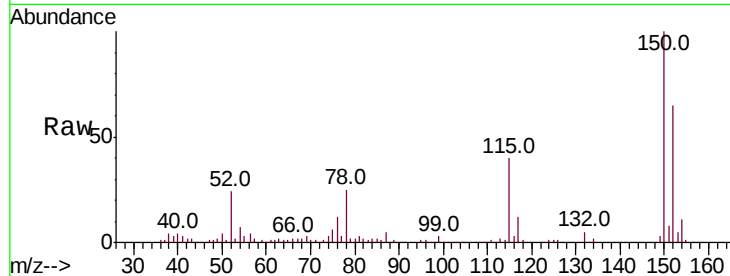


#1

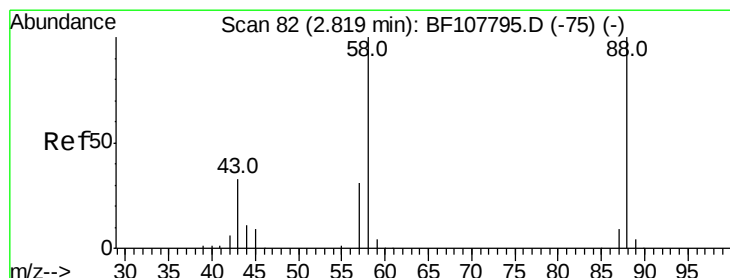
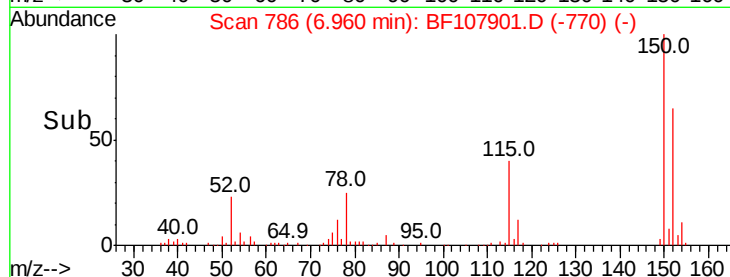
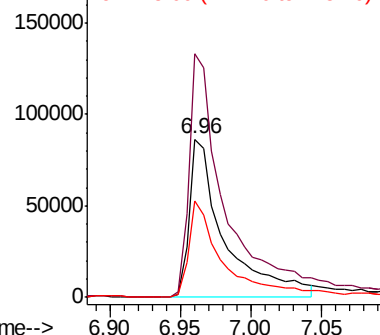
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151179
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 60.9 50.1 75.1



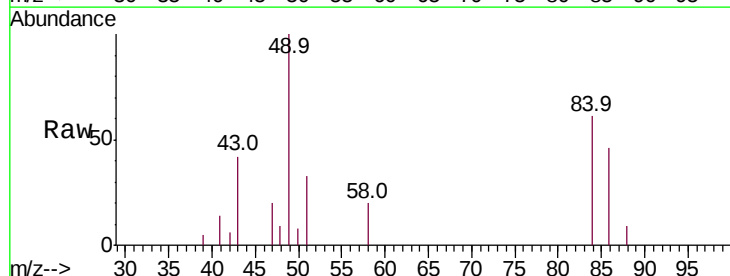
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



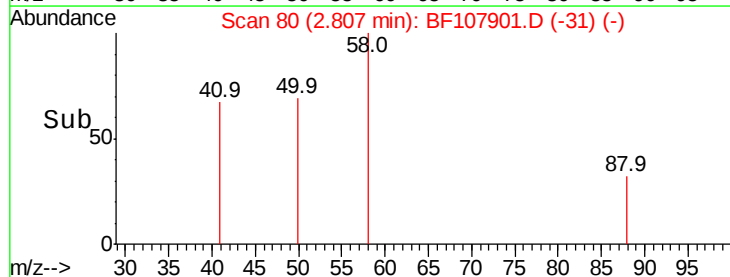
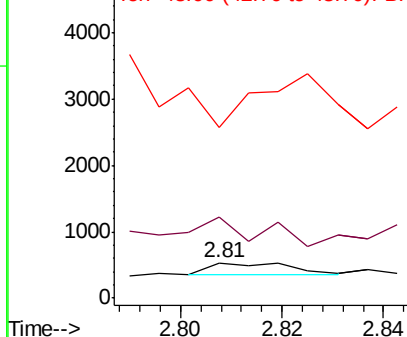
#2

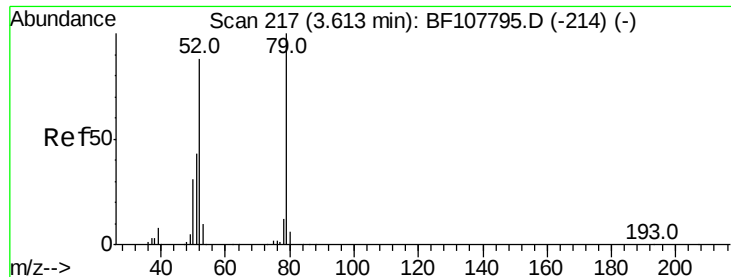
1,4-Dioxane
Concen: 5.836 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
58 192.6 62.6 93.8#
43 394.6 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: 6.267 ng

RT: 3.35 min Scan# 172

Delta R.T. -0.26 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

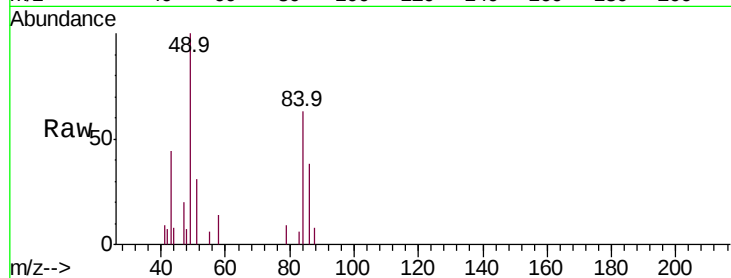
Tot Ion: 79 Resp: 155

Ion Ratio Lower Upper

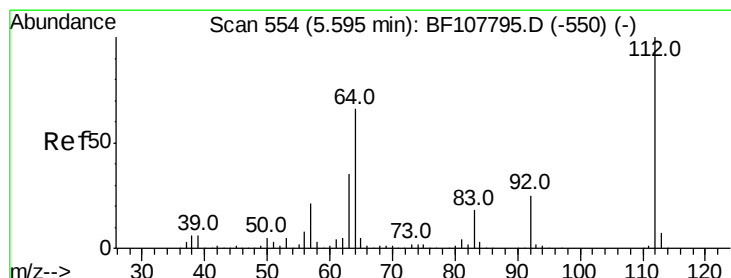
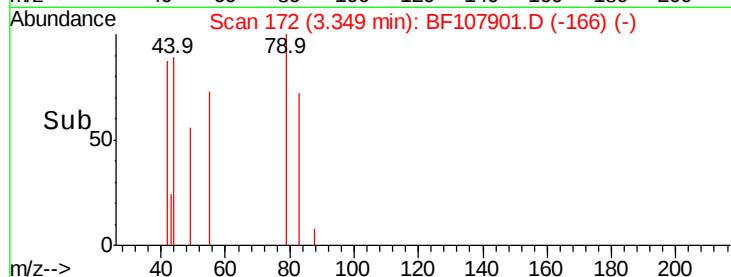
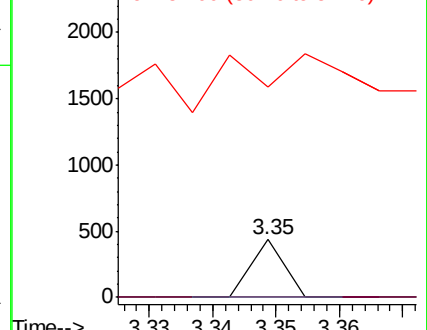
79 100

52 0.0 59.8 89.6#

51 363.2 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: 51.355 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

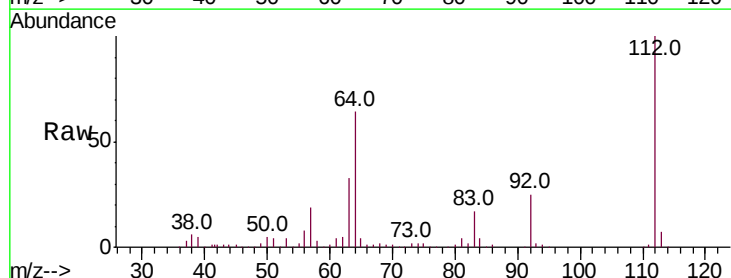
Tgt Ion: 112 Resp: 456812

Ion Ratio Lower Upper

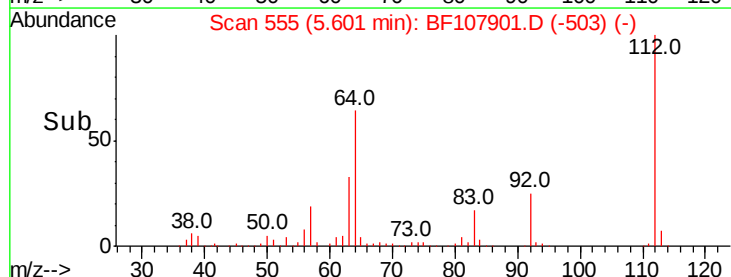
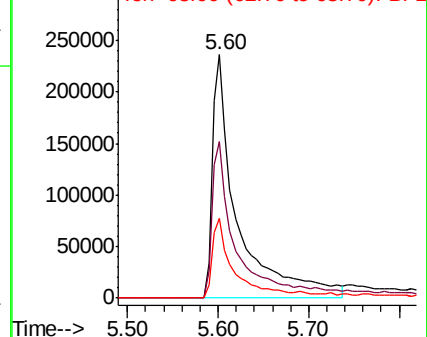
112 100

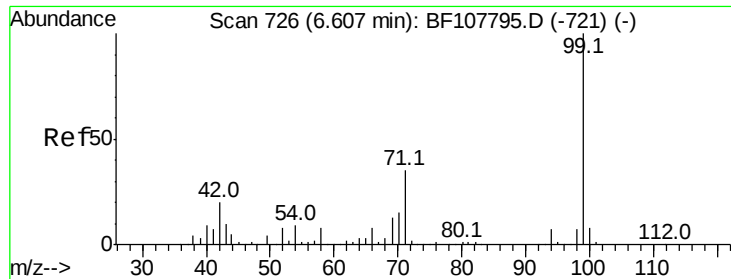
64 64.3 47.9 71.9

63 32.9 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: 34.444 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

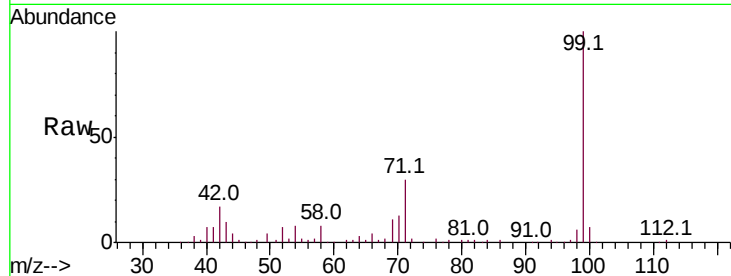
Tot Ion: 99 Resp: 403807

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

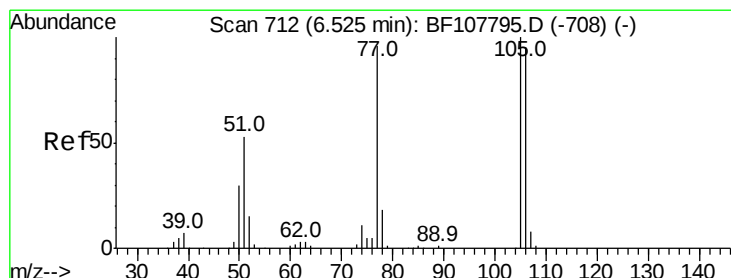
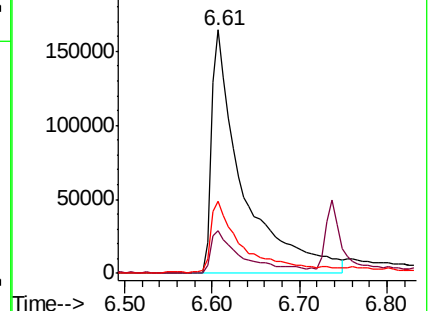
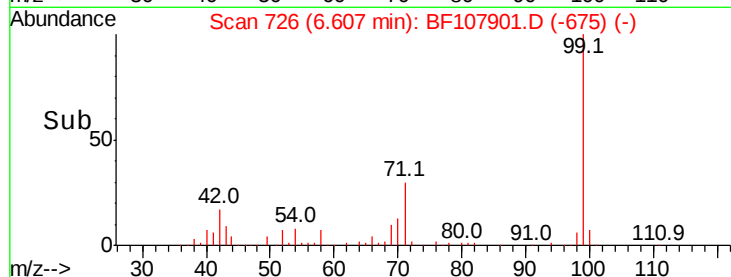
71 29.7 25.4 38.0



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: 3.081 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

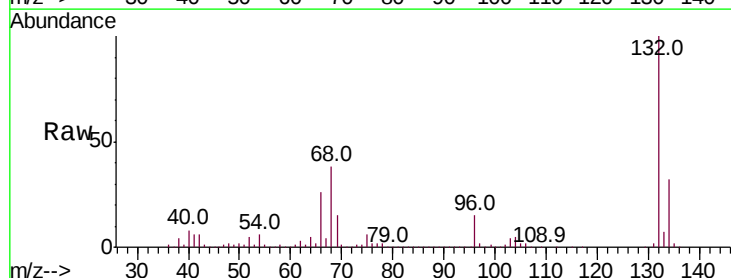
Tgt Ion: 77 Resp: 21796

Ion Ratio Lower Upper

77 100

105 79.2 81.1 121.1#

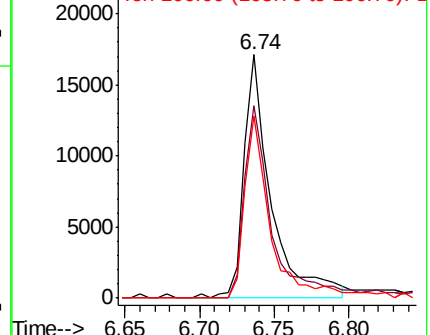
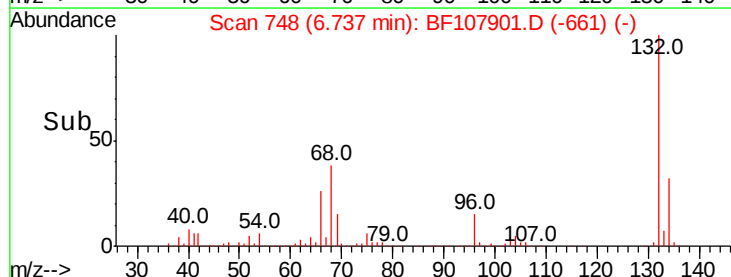
106 74.8 74.5 114.5

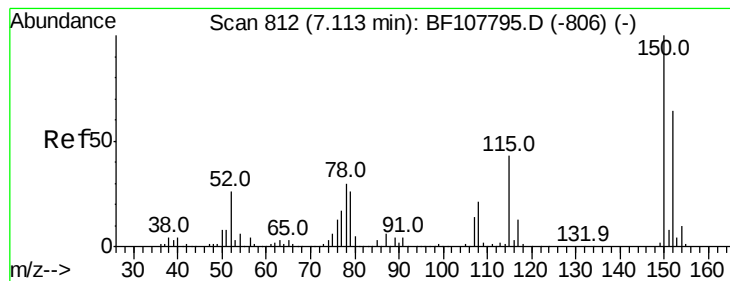


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.185 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampled :

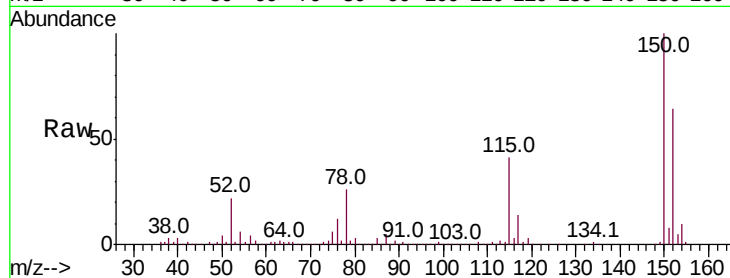
Tot Ion: 79 Resp: 15922

Ion Ratio Lower Upper

79 100

108 27.6 65.1 97.7#

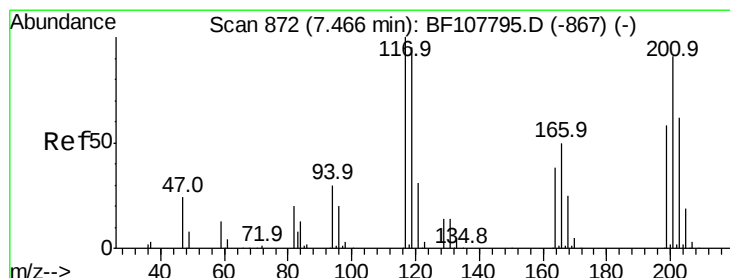
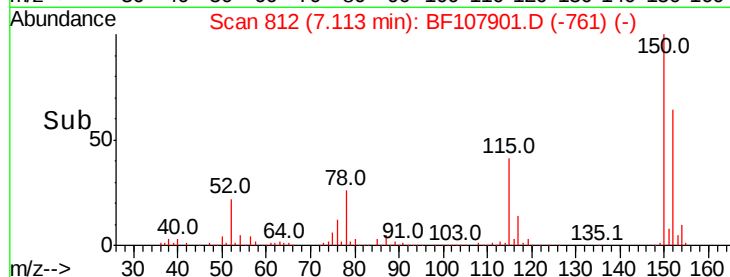
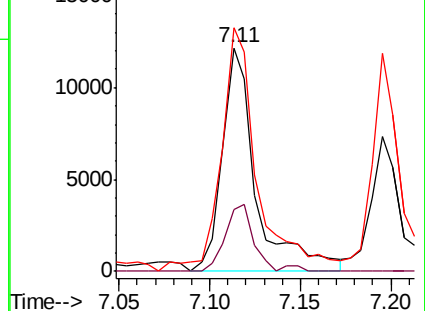
77 109.1 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 11.893 ng

RT: 7.48 min Scan# 875

Delta R.T. 0.02 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

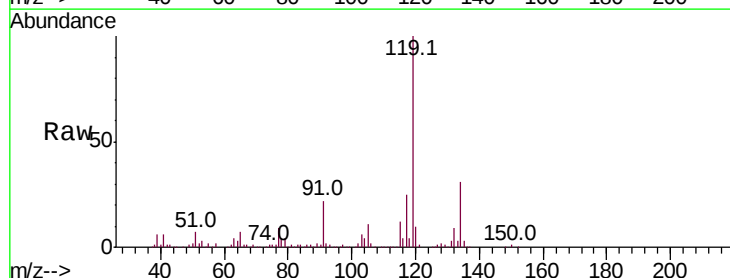
Tgt Ion: 117 Resp: 55766

Ion Ratio Lower Upper

117 100

119 393.7 75.8 113.8#

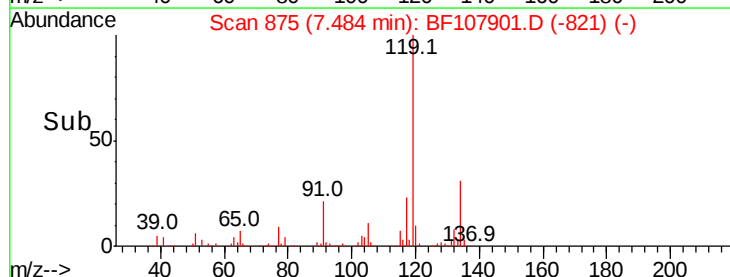
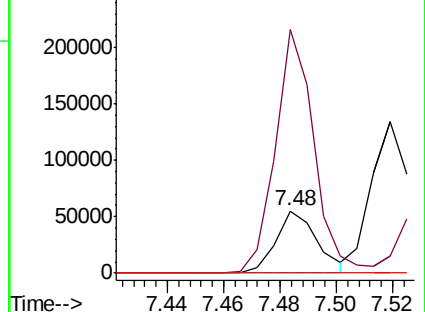
201 0.0 75.7 113.5#

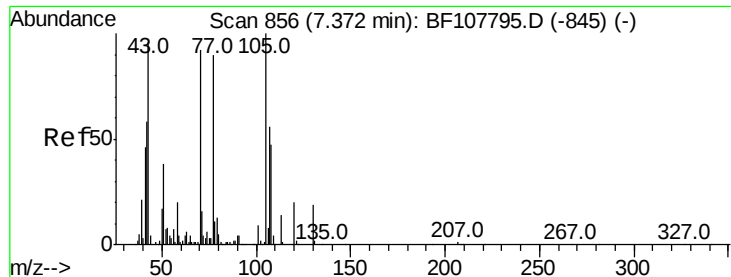


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

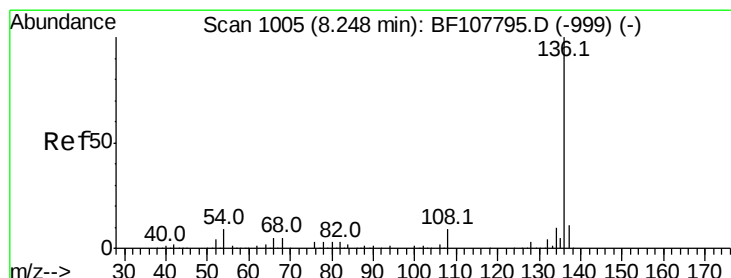
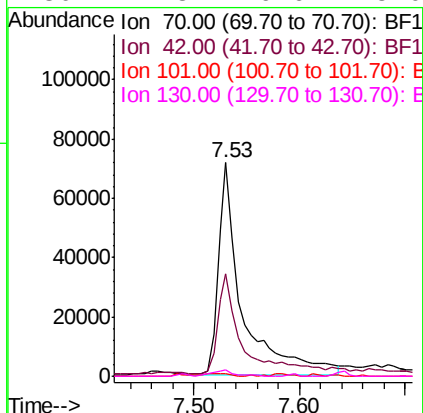
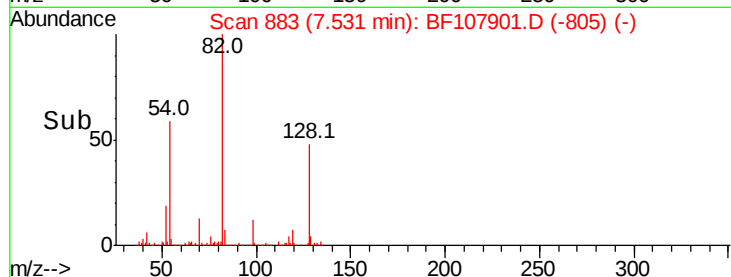
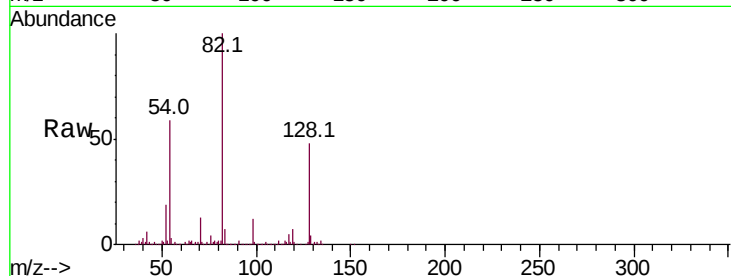




#19
n-Nitroso-di-n-propylamine
Concen: 15.396 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

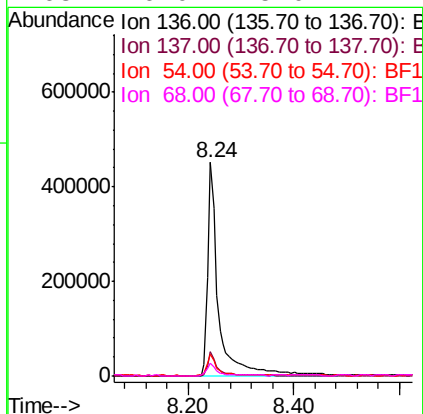
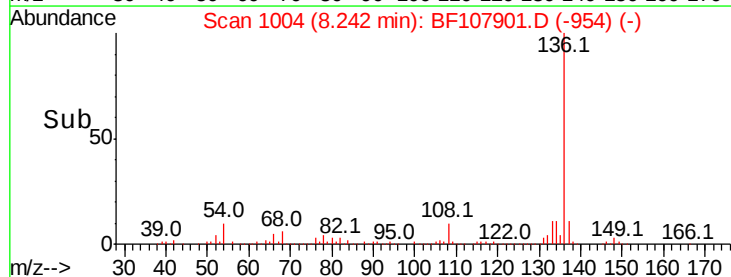
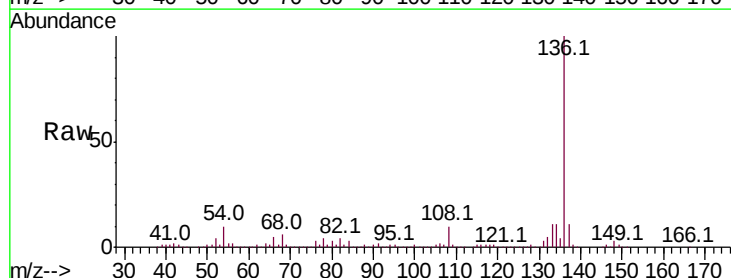
Instrument :
BNA_F
ClientSampleId :

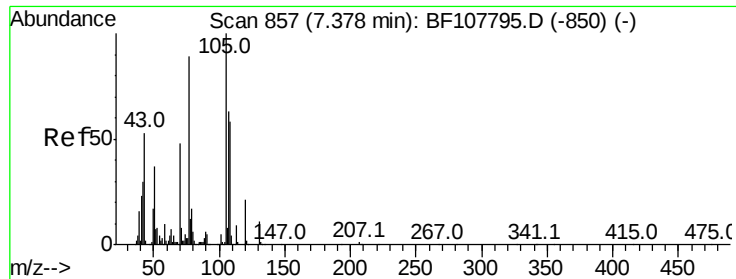
Tot Ion:	70	Resp:	114497
Ion	Ratio	Lower	Upper
70	100		
42	48.1	47.5	71.3
101	1.0	7.4	11.2#
130	2.8	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

Tgt Ion:	136	Resp:	651635
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.2	6.6	9.8#
68	6.0	5.0	7.4





#22

Acetophenone

Concen: 3.877 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.09 min

Lab File: BF107901.D

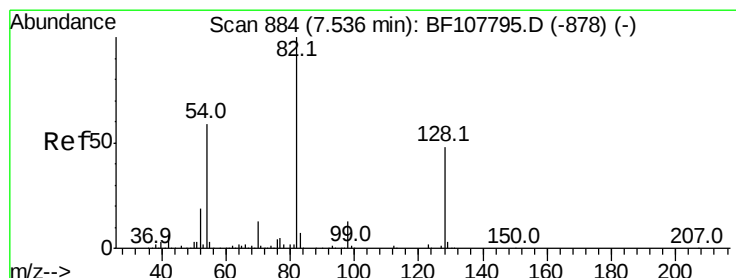
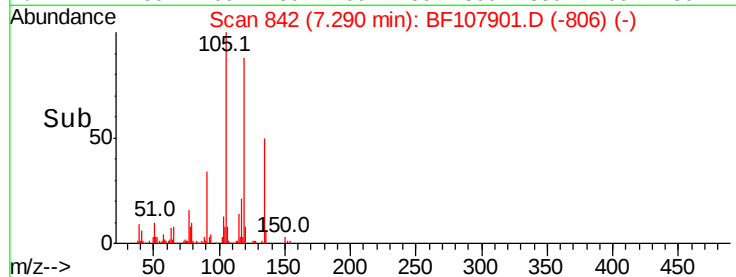
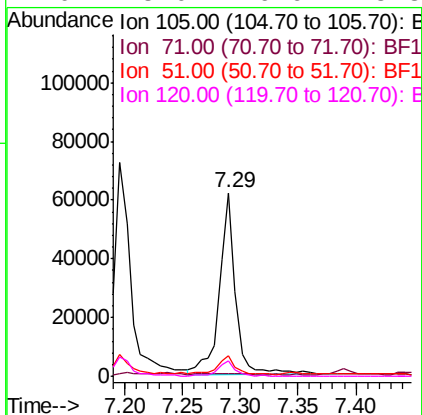
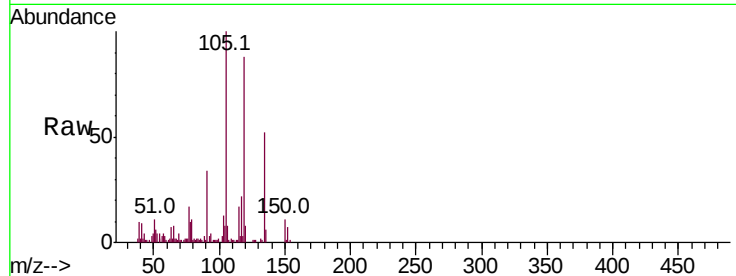
Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105	Resp:	60774
Ion Ratio	Lower	Upper
105	100	
71	1.3	4.4 6.6#
51	10.8	22.3 33.5#
120	8.0	16.9 25.3#



#23

Nitrobenzene-d5

Concen: 80.933 ng

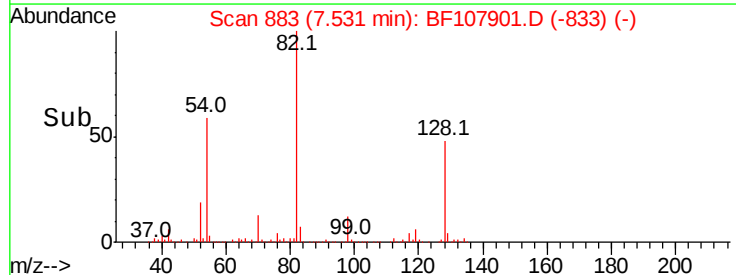
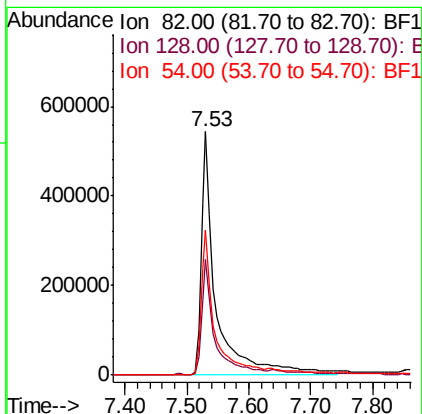
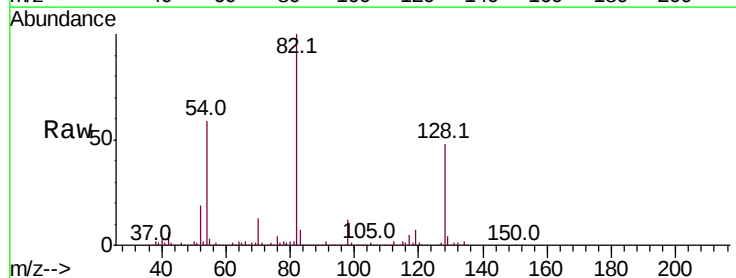
RT: 7.53 min Scan# 883

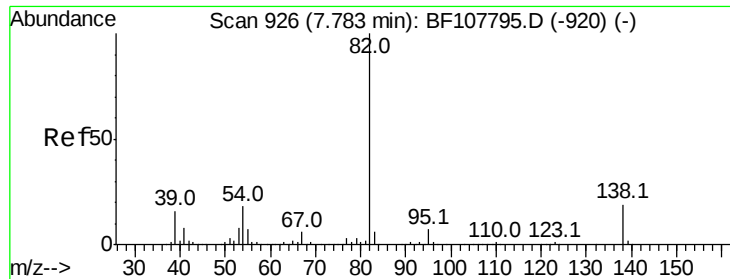
Delta R.T. -0.01 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Tgt Ion: 82	Resp:	915434
Ion Ratio	Lower	Upper
82	100	
128	47.7	36.1 54.1
54	59.5	41.4 62.2





#25

Isophorone

Concen: 49.304 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

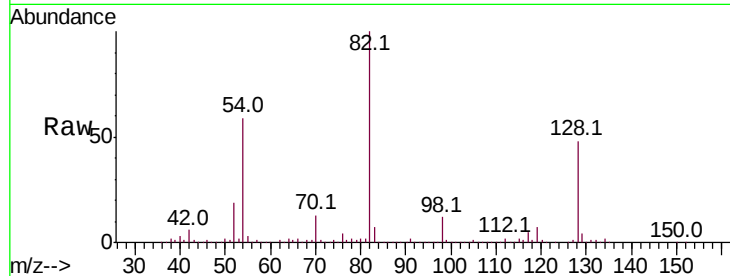
Tot Ion: 82 Resp: 915434

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

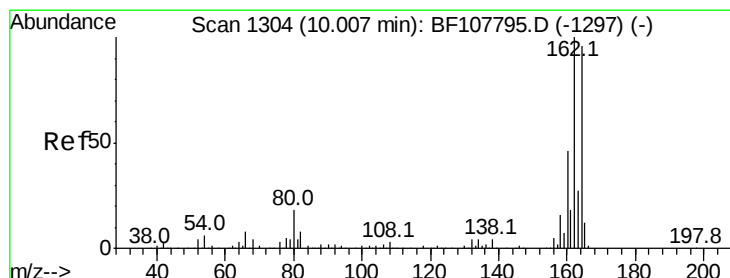
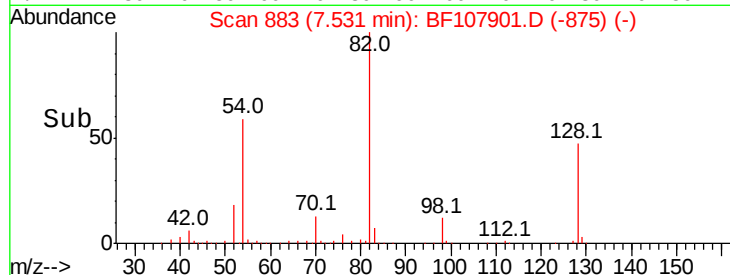
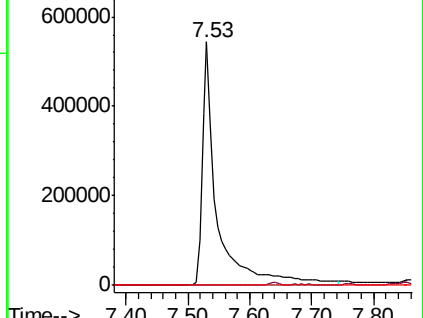
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

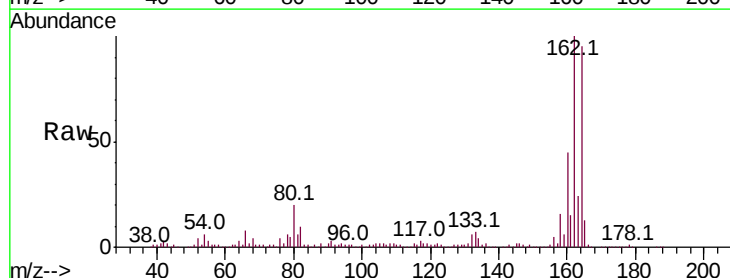
Tgt Ion:164 Resp: 299392

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

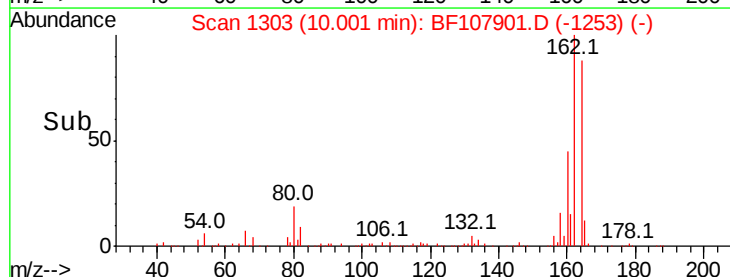
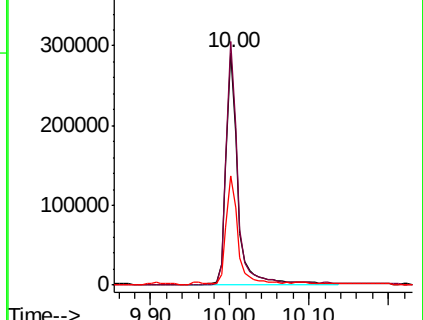
160 47.2 38.3 57.5

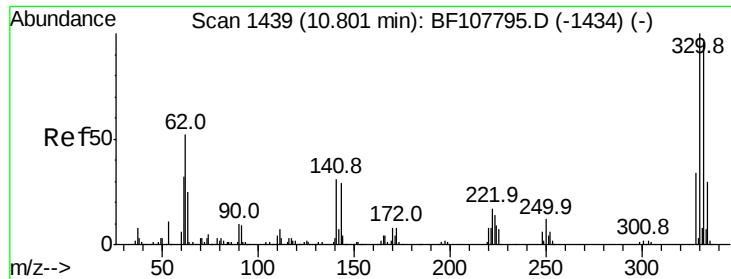


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

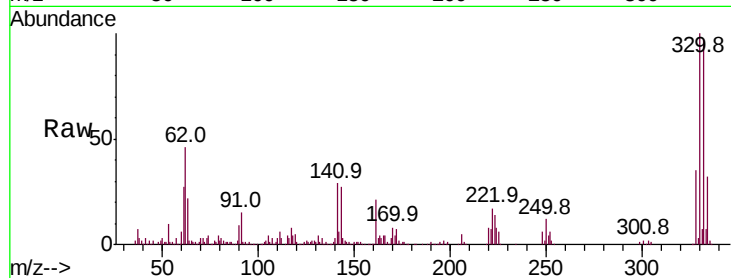




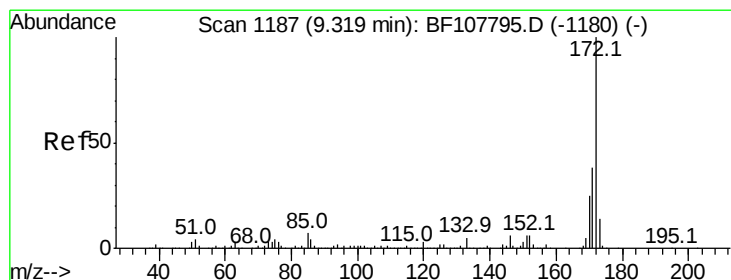
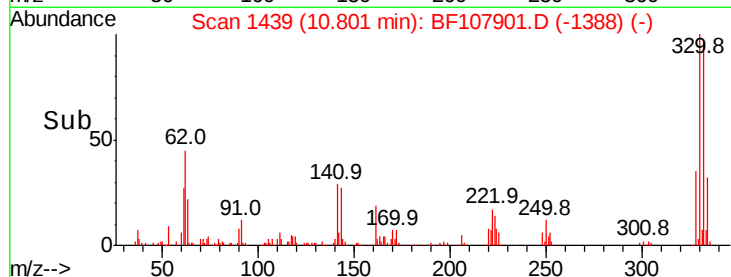
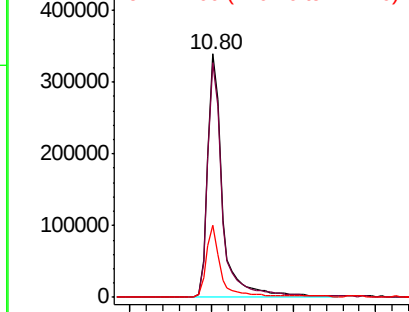
#41
 2,4,6-Tribromophenol
 Concen: 106.015 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 431282
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 28.0 29.9 44.9#

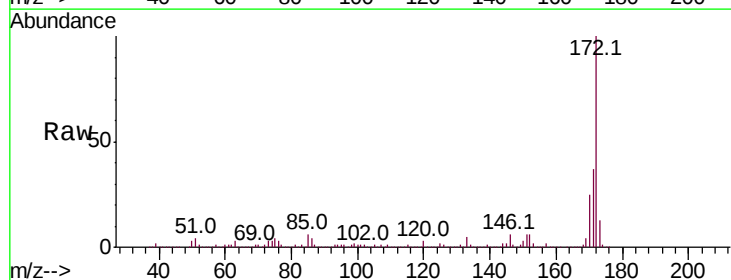


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

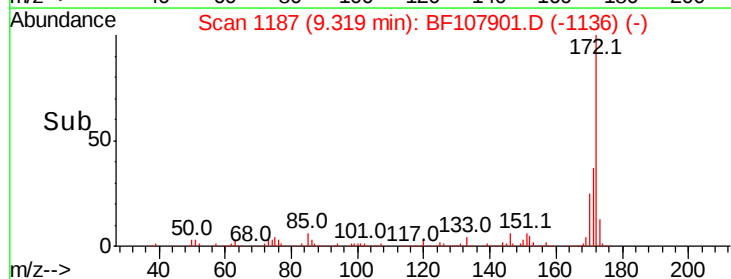
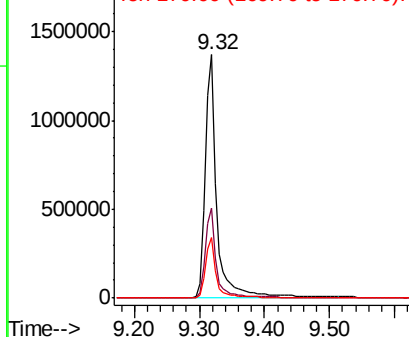


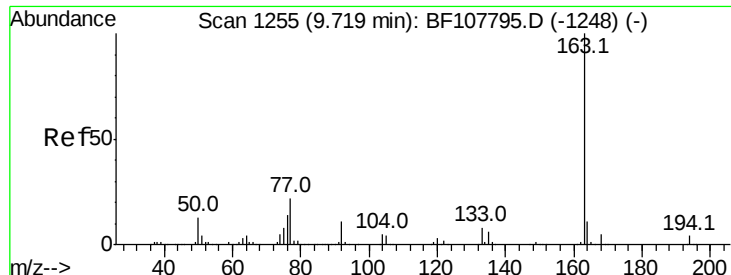
#44
 2-Fluorobiphenyl
 Concen: 79.949 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

Tgt Ion:172 Resp: 1717714
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 25.1 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

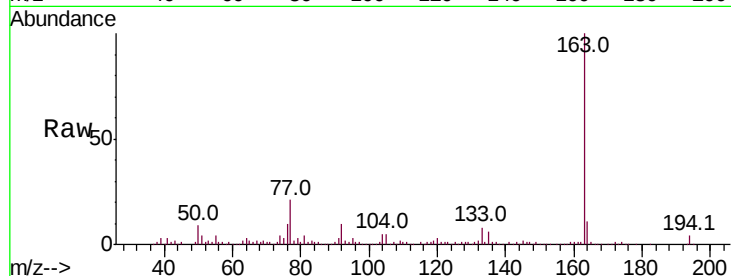




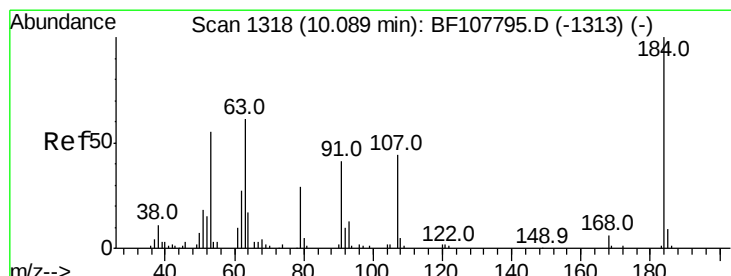
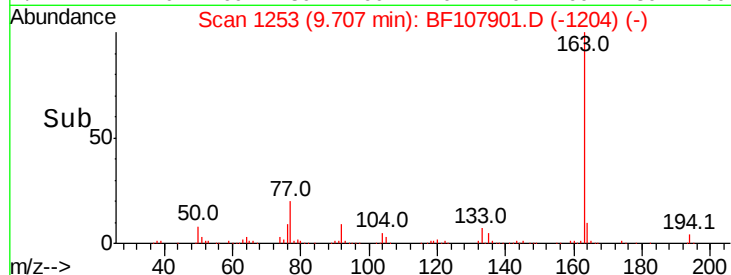
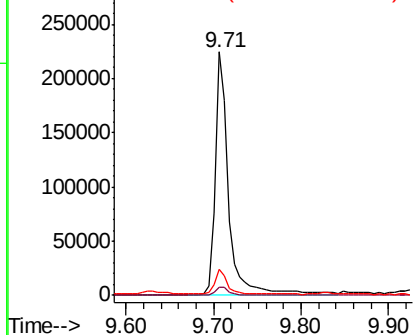
#49
 Dimethylphthalate
 Concen: 10.572 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.6	8.2	12.2

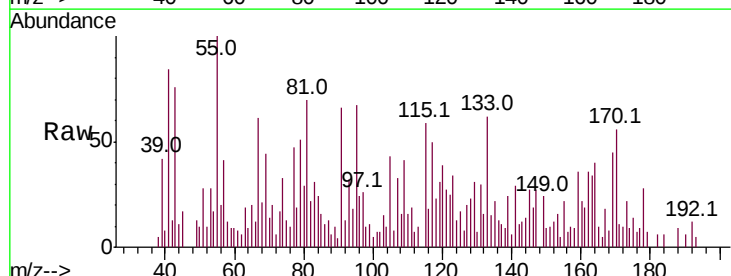


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

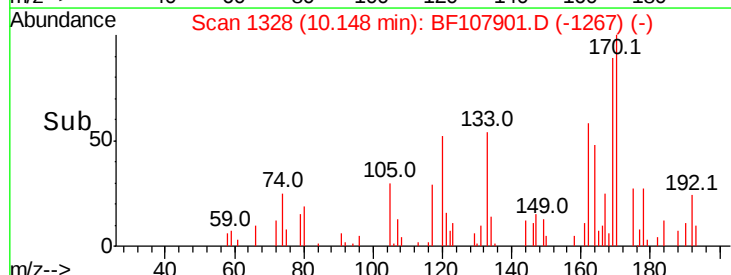
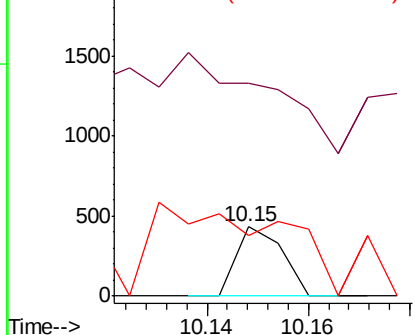


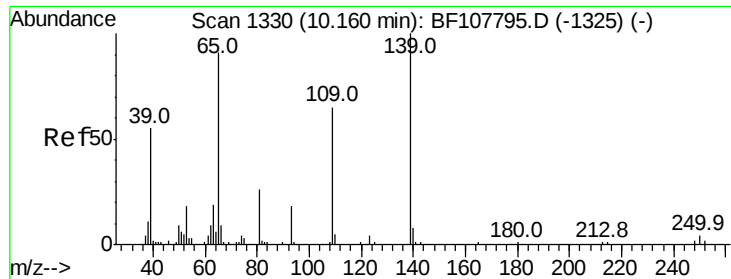
#53
 2,4-Dinitrophenol
 Concen: 8.533 ng
 RT: 10.15 min Scan# 1328
 Delta R.T. 0.06 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
184	100		
63	308.4	54.2	81.2#
154	87.5	184.0	276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

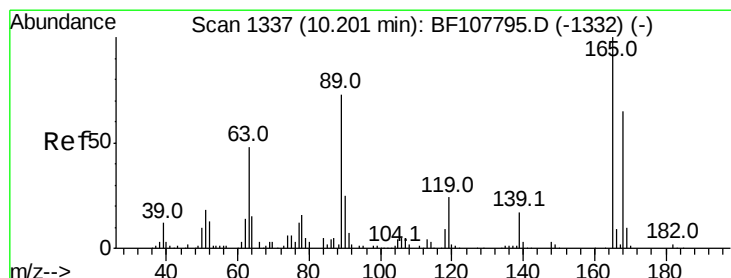
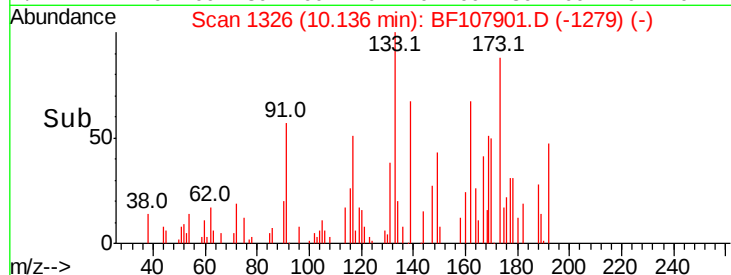
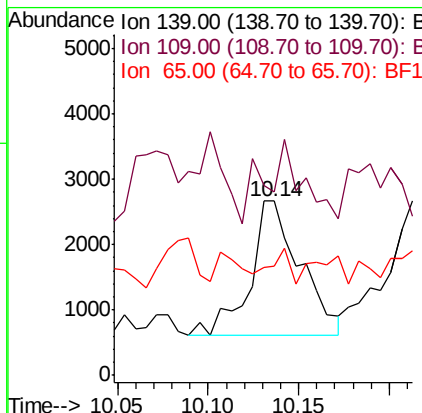
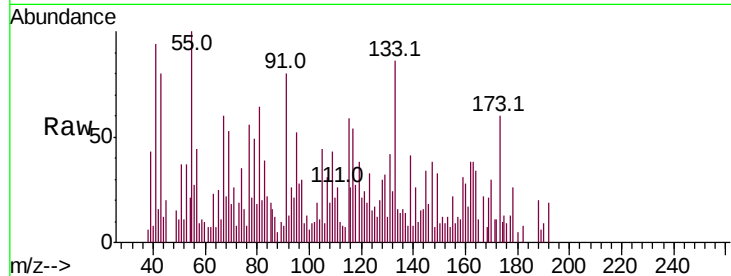




#55
4-Nitrophenol
Concen: 10.527 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

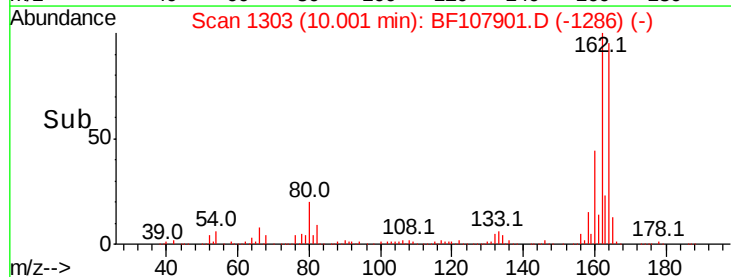
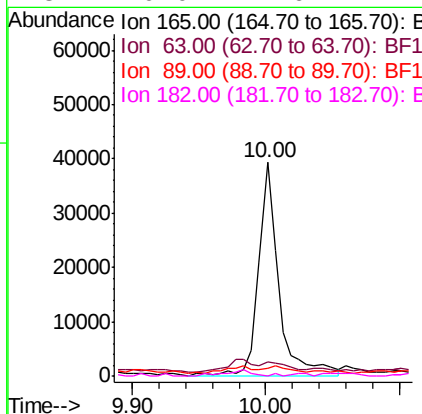
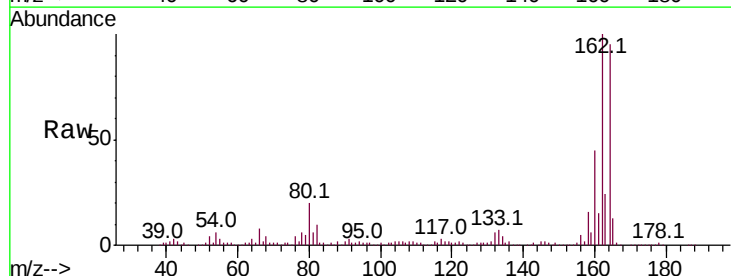
Instrument :
BNA_F
ClientSampled :

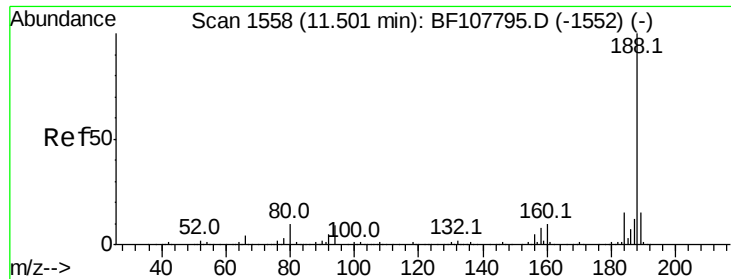
Tot Ion:139 Resp: 3983
Ion Ratio Lower Upper
139 100
109 105.4 48.4 88.4#
65 62.5 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.388 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

Tgt Ion:165 Resp: 41024
Ion Ratio Lower Upper
165 100
63 6.5 36.4 54.6#
89 3.8 57.8 86.6#
182 0.0 1.6 2.4#

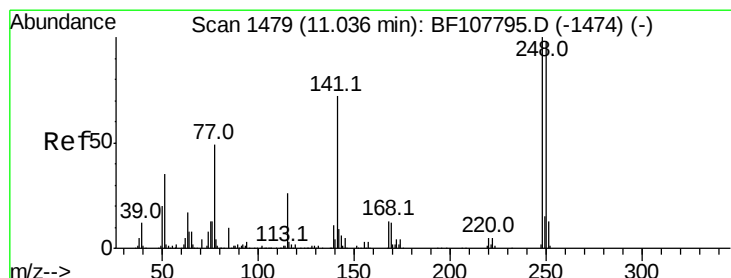
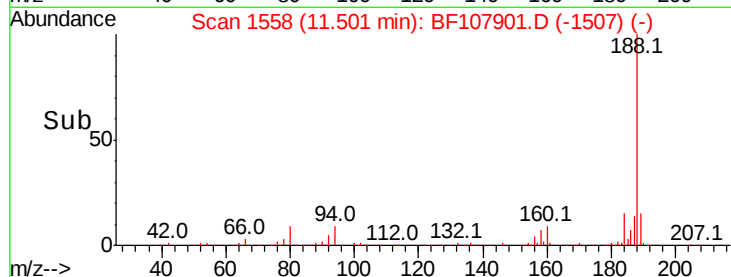
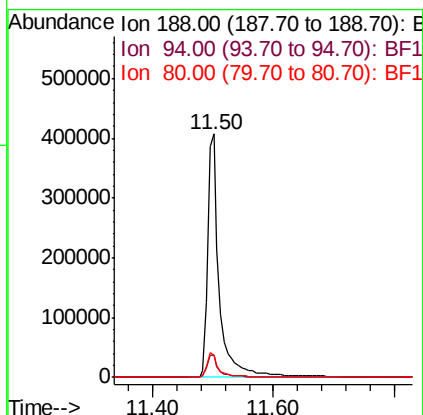
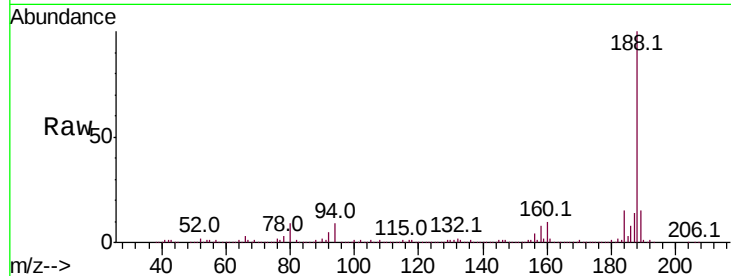




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

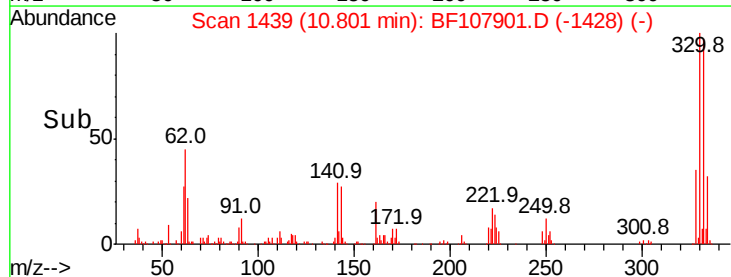
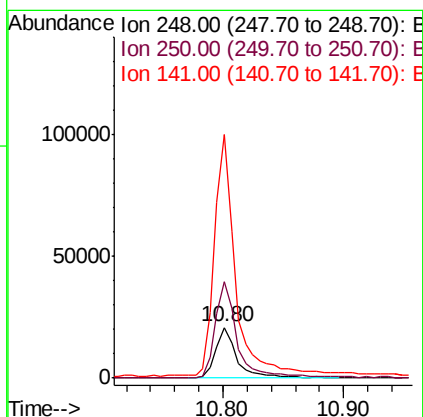
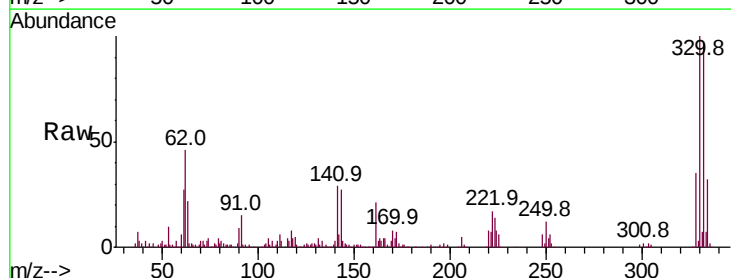
Instrument :
 BNA_F
 ClientSampleId :

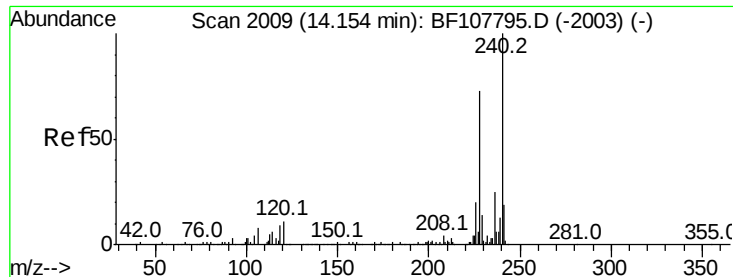
Tot Ion:188 Resp: 550432
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.5 12.7
 80 9.2 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.906 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF107901.D
 Acq: 1 Aug 2018 20:44

Tgt Ion:248 Resp: 25062
 Ion Ratio Lower Upper
 248 100
 250 188.7 76.9 115.3#
 141 479.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

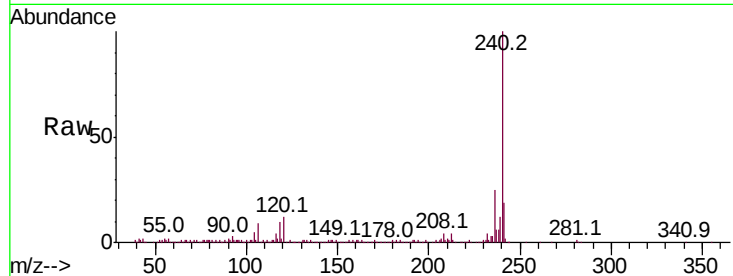
Tot Ion:240 Resp: 357593

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

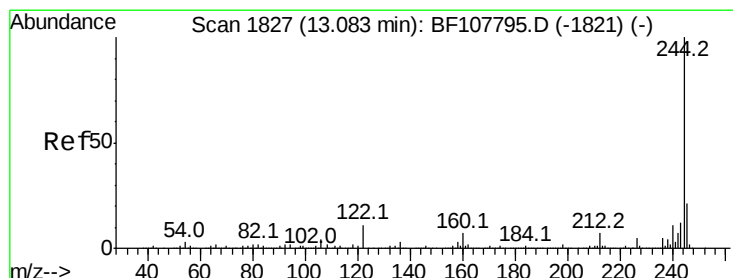
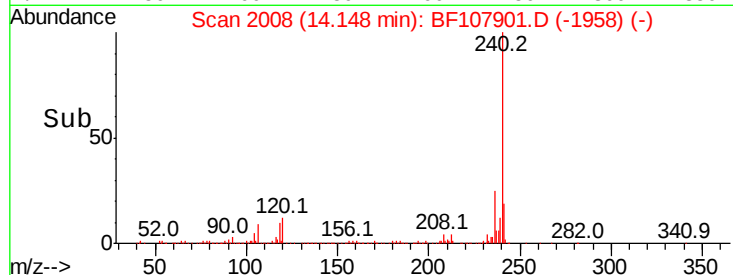
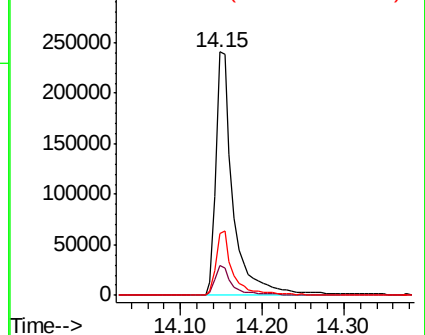
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.047 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107901.D

Acq: 1 Aug 2018 20:44

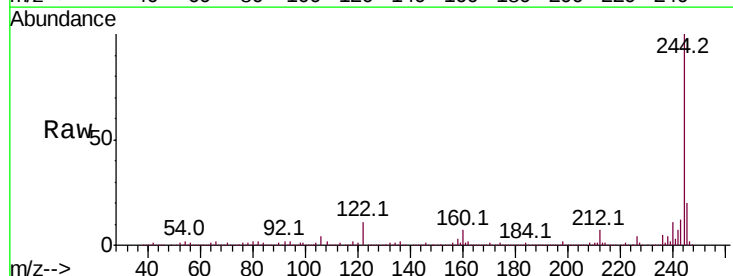
Tgt Ion:244 Resp: 1386014

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

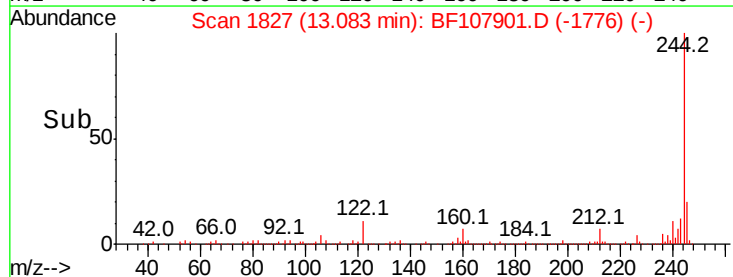
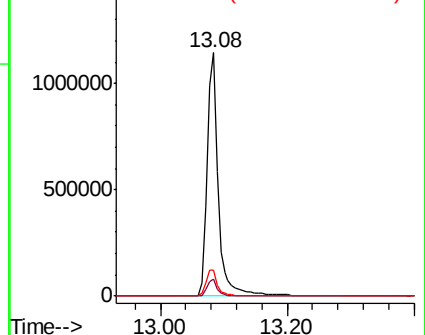
122 10.8 11.0 16.4#

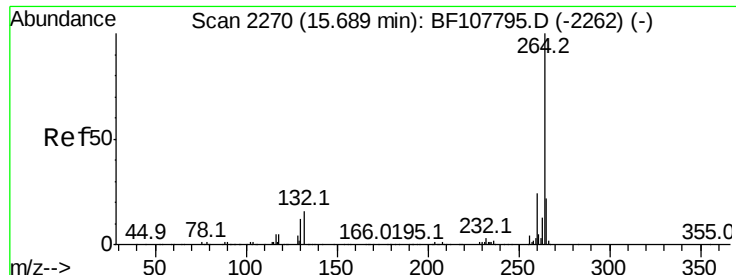


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107901.D
Acq: 1 Aug 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3

