

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107897.D
 Acq On : 1 Aug 2018 18:55
 Operator : JU/SJ
 Sample : J4238-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 00:59:03 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	133789	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	587318	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	254386	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	480603	20.00	ng	0.00
75) Chrysene-d12	14.15	240	362812	20.00	ng	0.00
86) Perylene-d12	15.69	264	377210	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	679529	86.32	ng	0.00
7) Phenol-d6	6.60	99	869330	83.79	ng	0.00
23) Nitrobenzene-d5	7.53	82	566782	55.60	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	262425	75.92	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1078643	59.09	ng	0.00
78) Terphenyl-d14	13.08	244	882924	52.77	ng	0.00

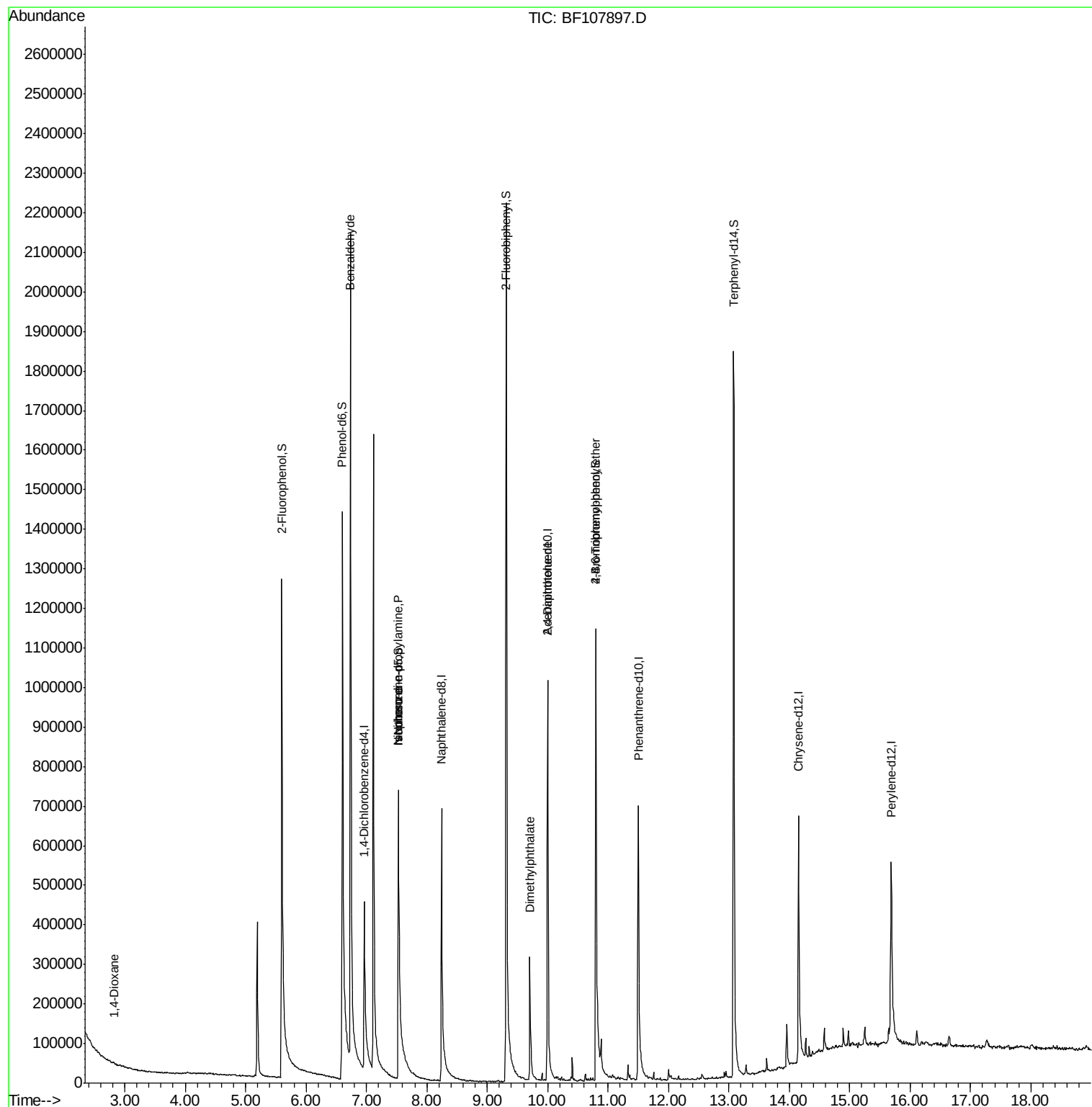
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.83	88	271	5.858	ng	# 20
9) Benzaldehyde	6.74	77	15677	2.504	ng	# 88
19) n-Nitroso-di-n-propylamine	7.53	70	66982	10.178	ng	# 79
25) Isophorone	7.53	82	566782	33.869	ng	# 64
49) Dimethylphthalate	9.71	163	189630	9.926	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	30389	5.569	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	15961	2.849	ng	# 1

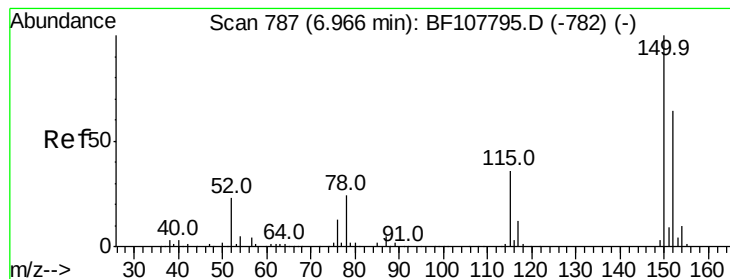
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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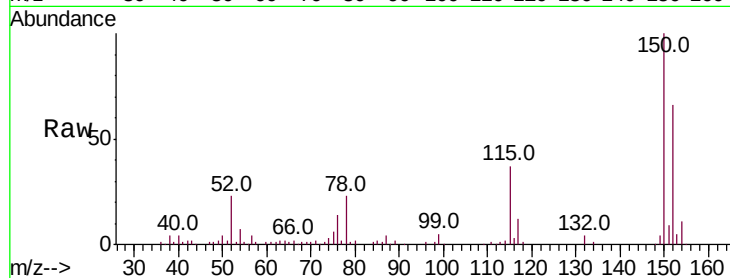


#1

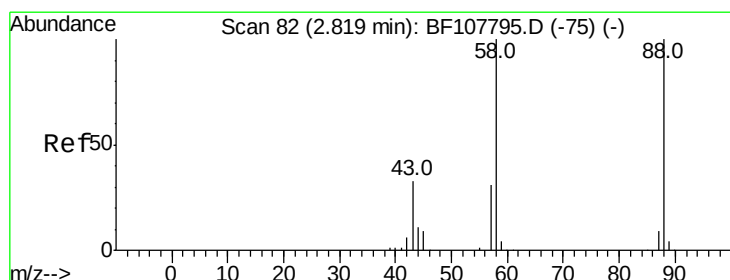
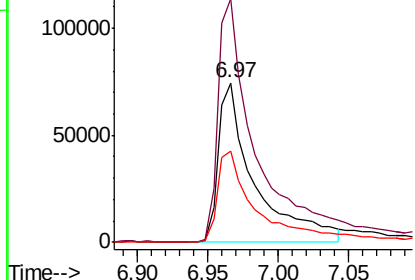
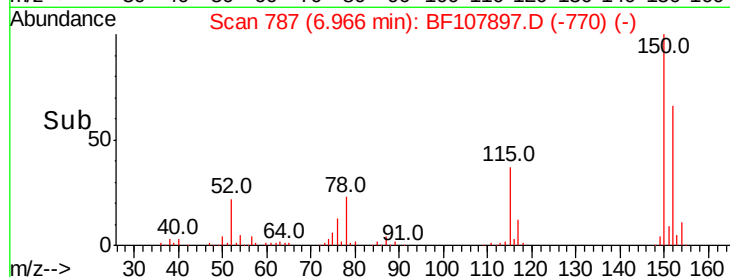
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107897.D
Acq: 1 Aug 2018 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133789
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 57.0 50.1 75.1



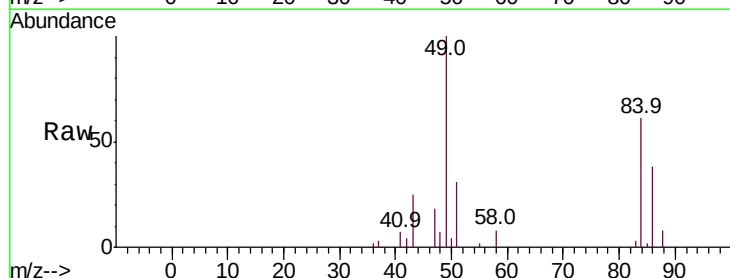
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



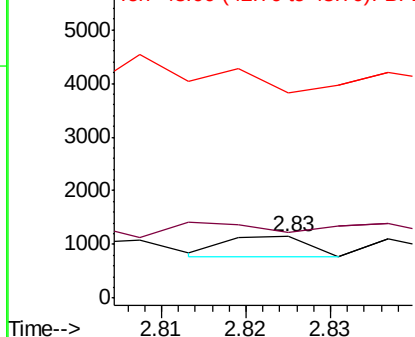
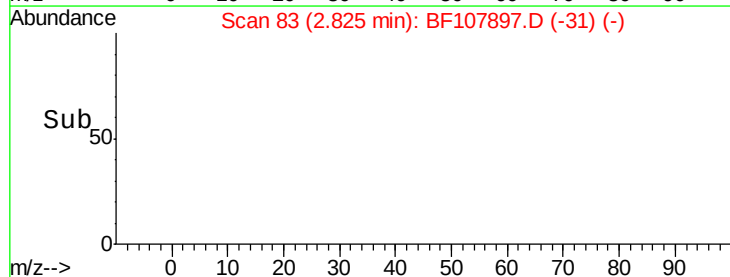
#2

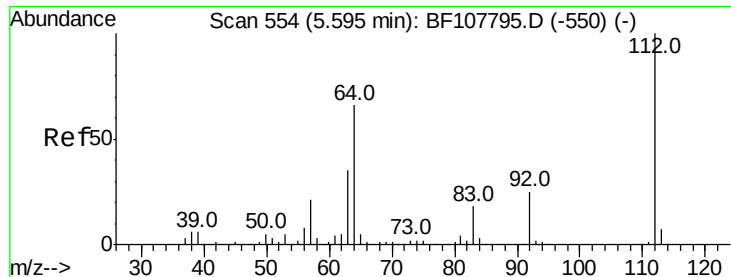
1,4-Dioxane
Concen: 5.858 ng
RT: 2.83 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF107897.D
Acq: 1 Aug 2018 18:55

Tgt Ion: 88 Resp: 271
Ion Ratio Lower Upper
88 100
58 0.0 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





#5

2-Fluorophenol

Concen: 86.322 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Instrument :
BNA_F
ClientSampleId :

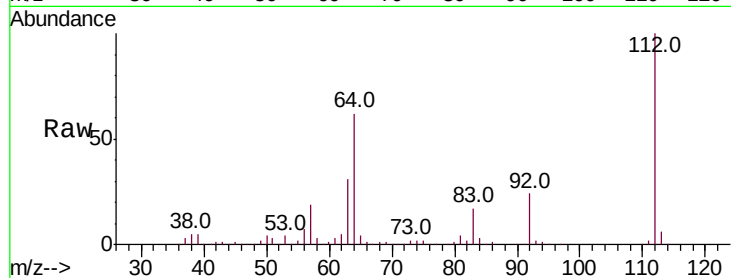
Tot Ion:112 Resp: 679529

Ion Ratio Lower Upper

112 100

64 61.6 47.9 71.9

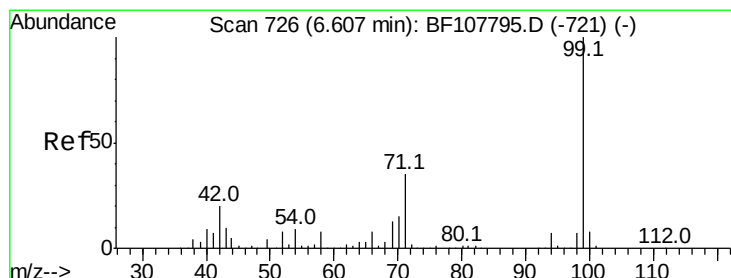
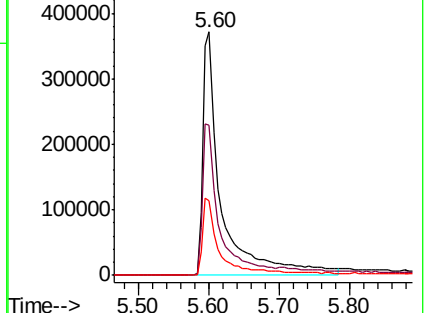
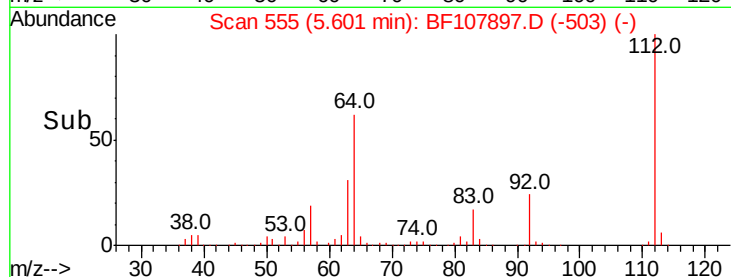
63 30.7 23.7 35.5



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: 83.792 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

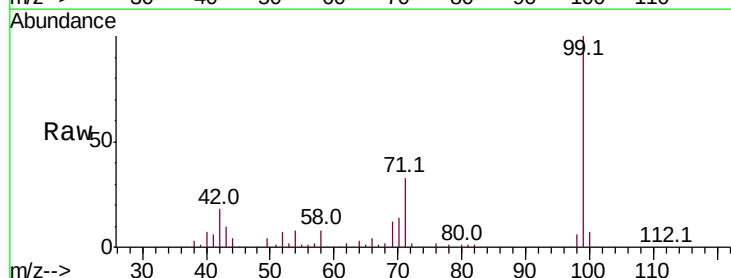
Tgt Ion: 99 Resp: 869330

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

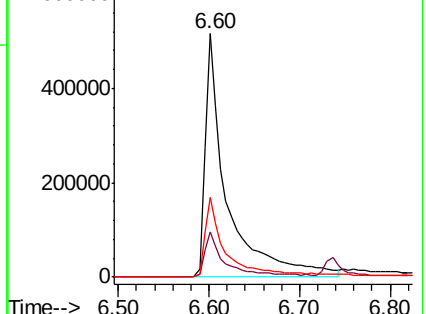
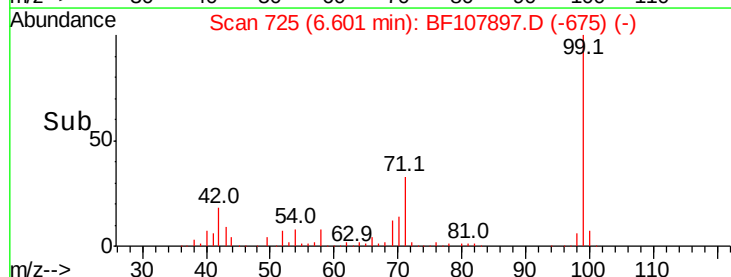
71 32.9 25.4 38.0

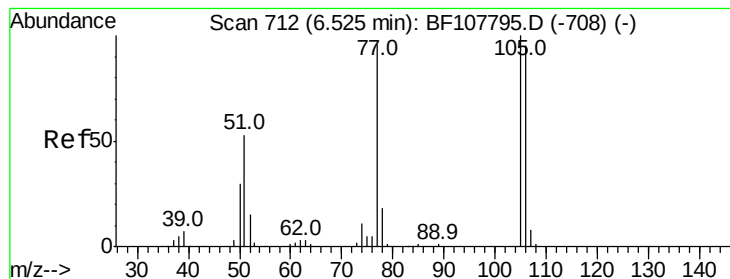


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.504 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

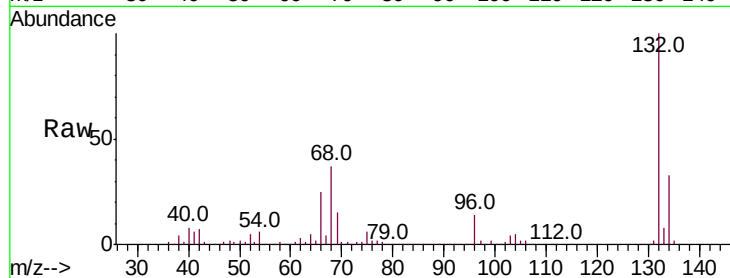
Tot Ion: 77 Resp: 15677

Ion Ratio Lower Upper

77 100

105 88.6 81.1 121.1

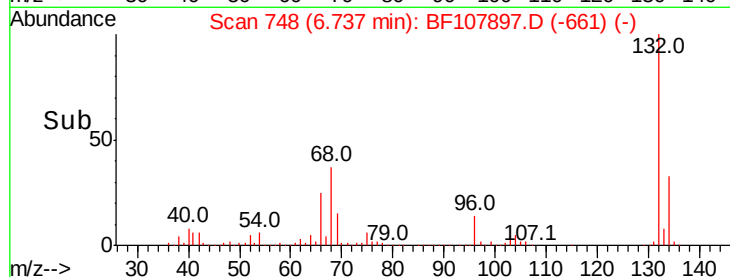
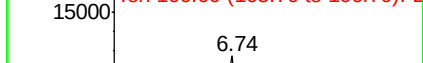
106 82.6 74.5 114.5



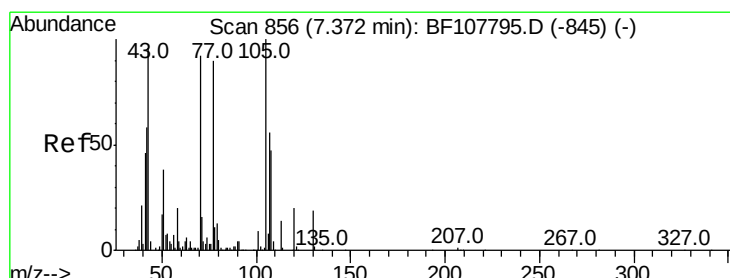
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.178 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.16 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Tgt Ion: 70 Resp: 66982

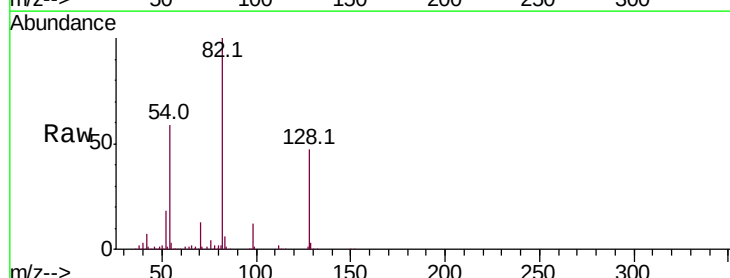
Ion Ratio Lower Upper

70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

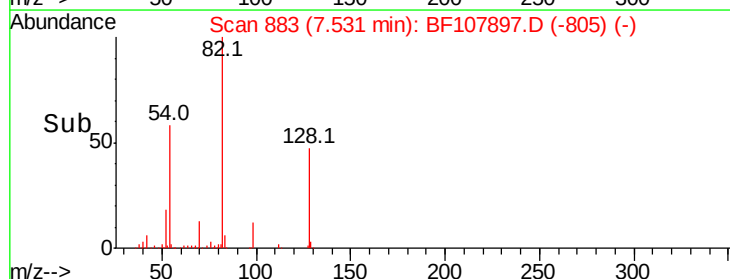
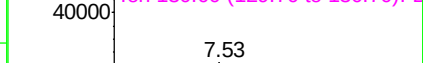


Abundance Ion 70.00 (69.70 to 70.70): BF1

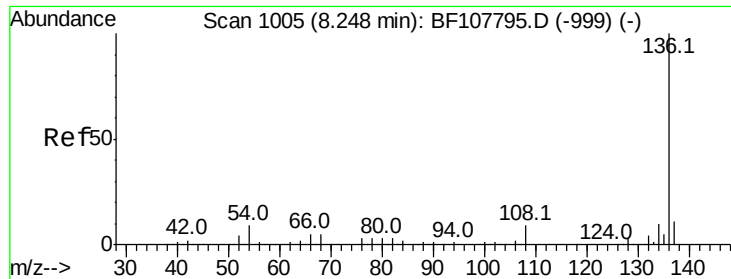
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



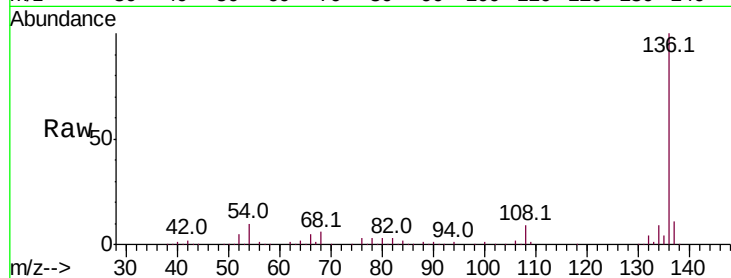
Time-->



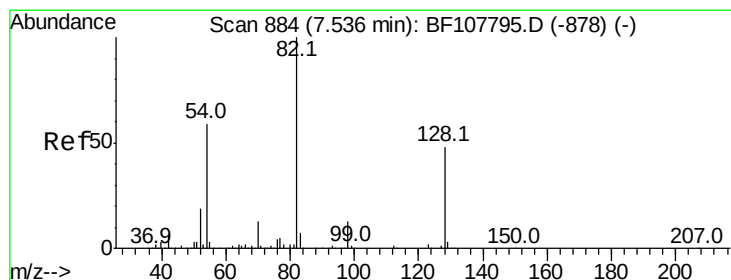
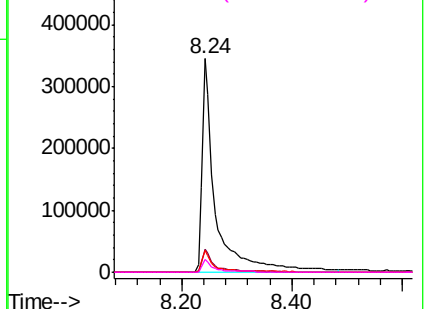
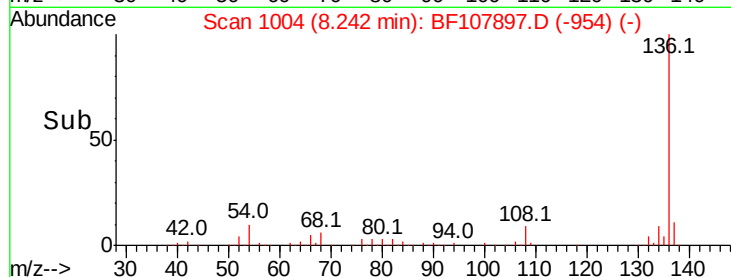
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107897.D
Acq: 1 Aug 2018 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	587318
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.3	6.6	9.8#
68	6.0	5.0	7.4

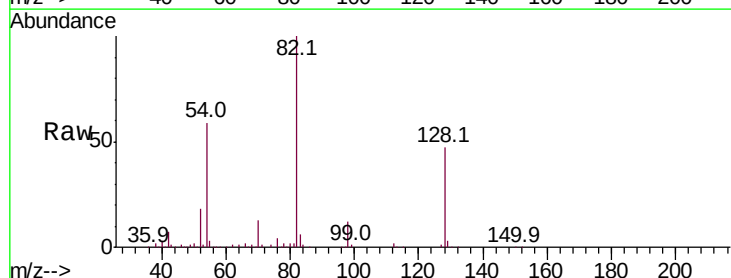


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

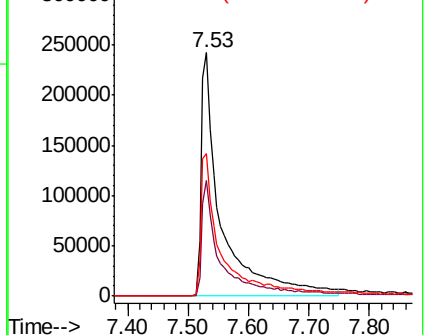
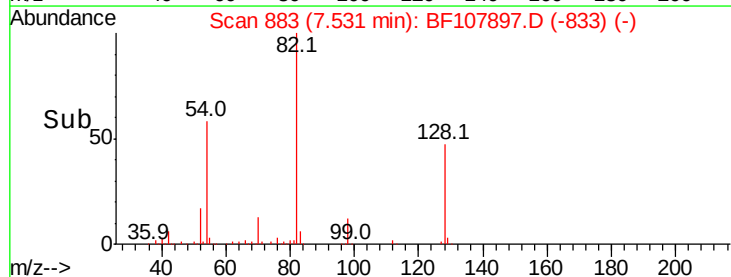


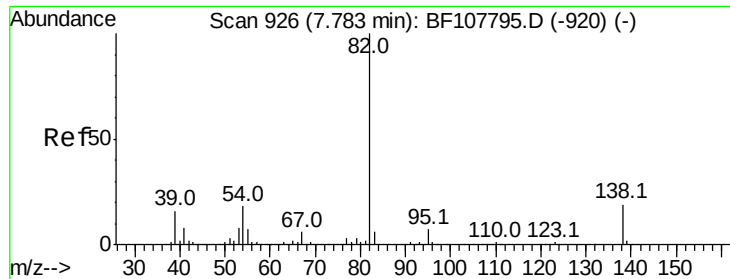
#23
Nitrobenzene-d5
Concen: 55.596 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107897.D
Acq: 1 Aug 2018 18:55

Tgt Ion:	82	Resp:	566782
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	58.8	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: 33.869 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

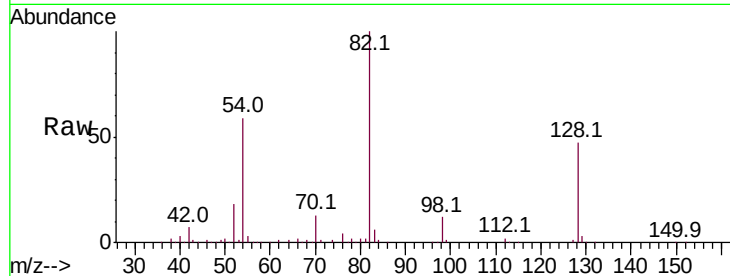
Tot Ion: 82 Resp: 566782

Ion Ratio Lower Upper

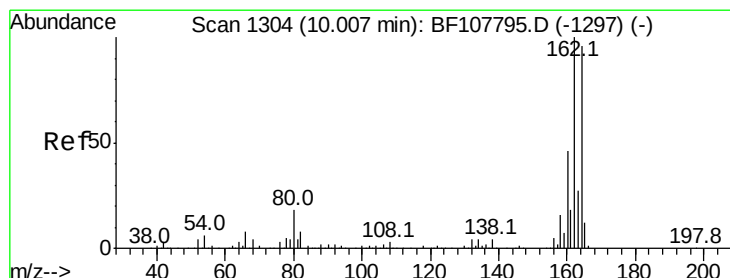
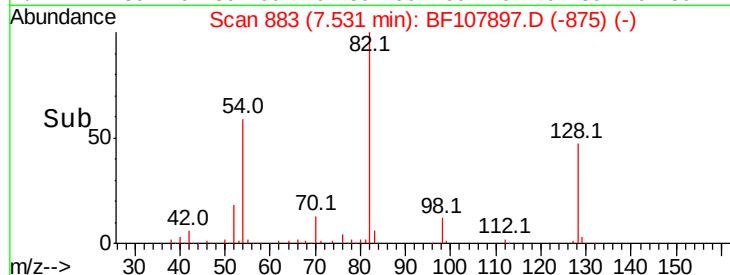
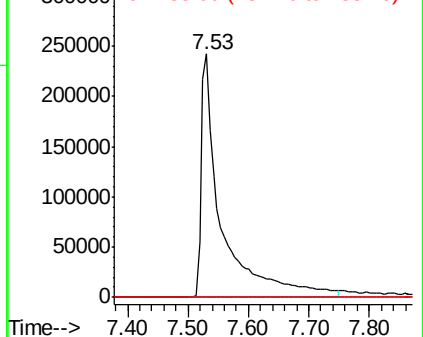
82 100

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: BF107897.D

Acq: 1 Aug 2018 18:55

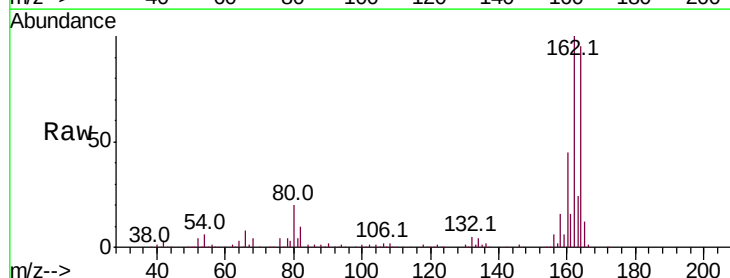
Tgt Ion:164 Resp: 254386

Ion Ratio Lower Upper

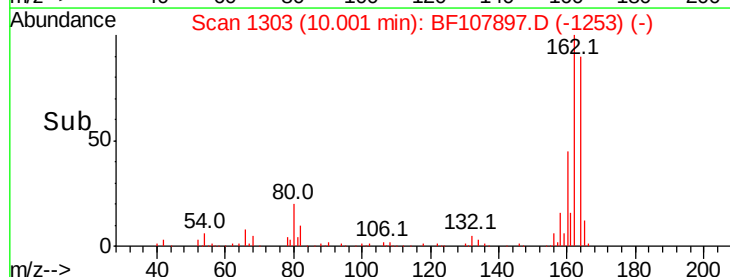
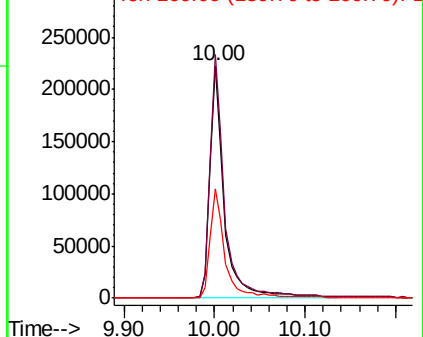
164 100

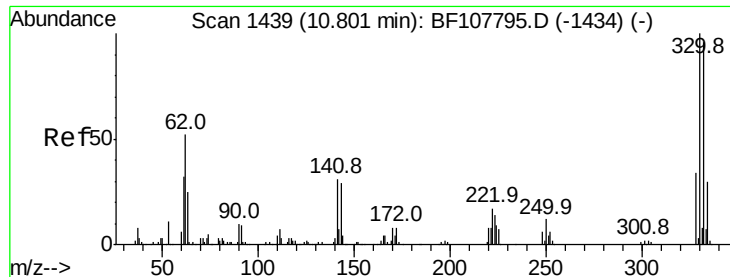
162 104.9 86.1 129.1

160 47.3 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

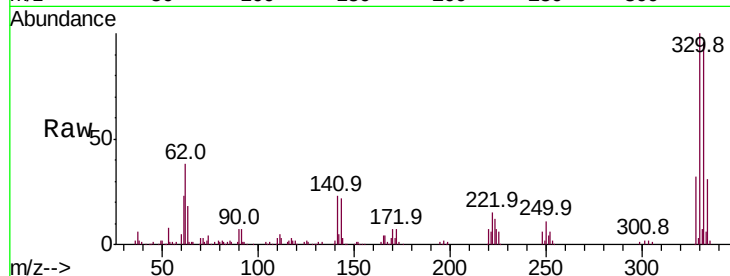




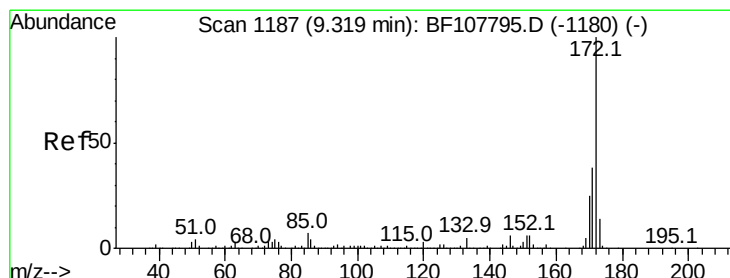
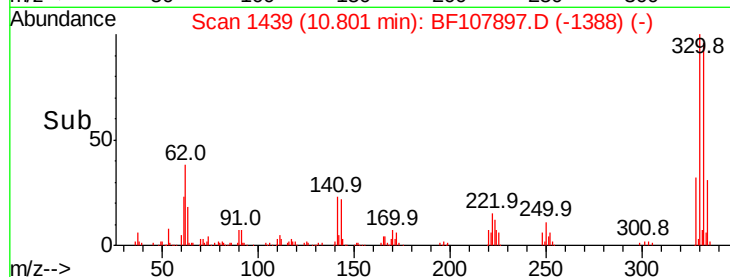
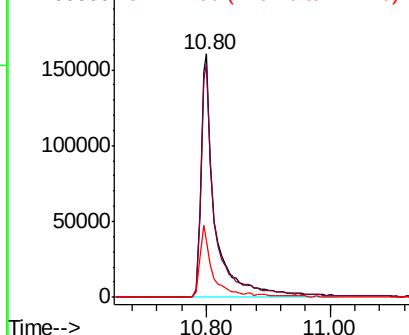
#41
 2,4,6-Tribromophenol
 Concen: 75.920 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107897.D
 Acq: 1 Aug 2018 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	27.9	29.9	44.9

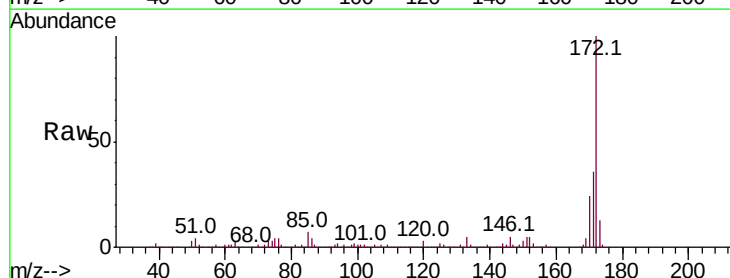


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

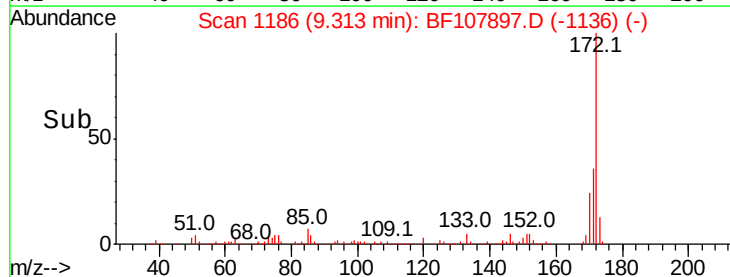
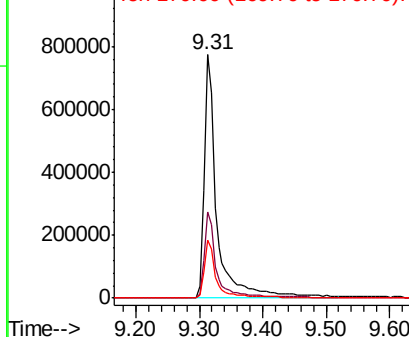


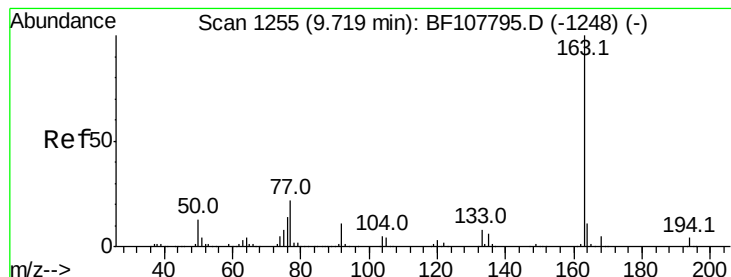
#44
 2-Fluorobiphenyl
 Concen: 59.087 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107897.D
 Acq: 1 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	19.6	29.4



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





#49

Dimethylphthalate

Concen: 9.926 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

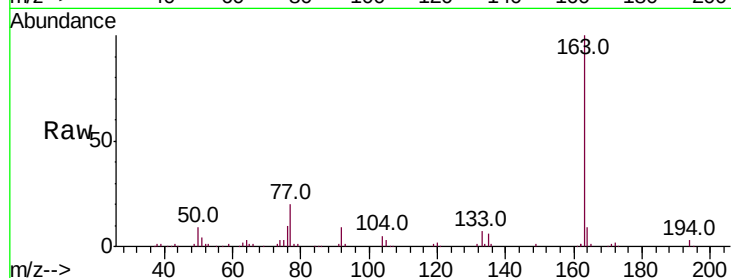
Tot Ion:163 Resp: 189630

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

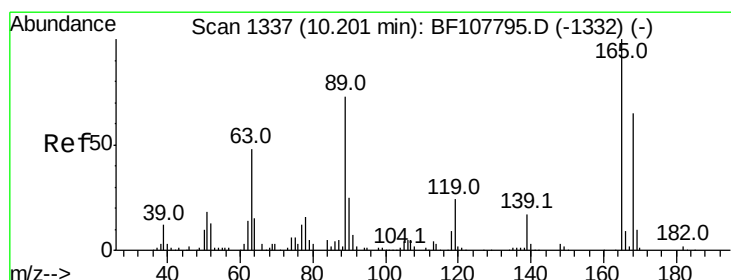
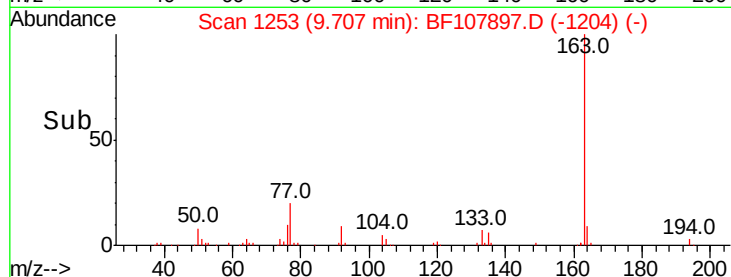
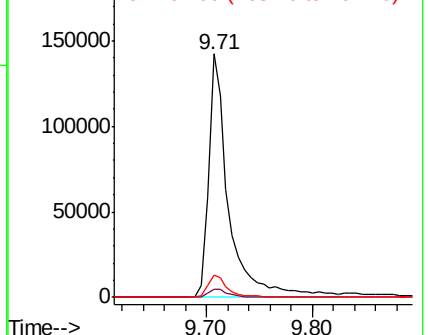
164 9.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.569 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Tgt Ion:165 Resp: 30389

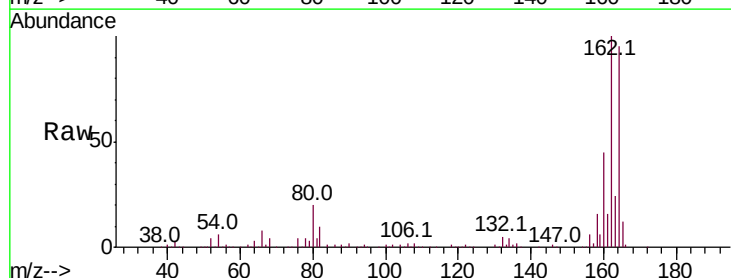
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

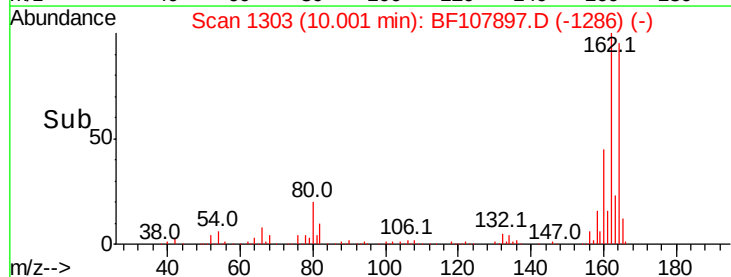
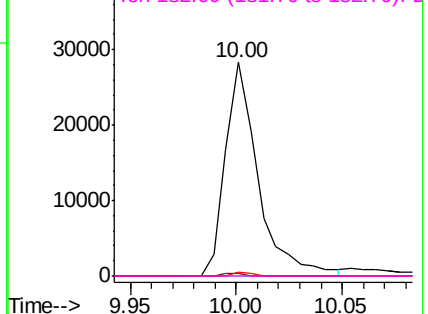


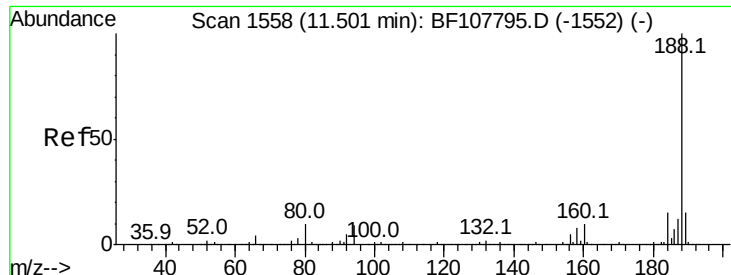
Abundance Ion 165.00 (164.70 to 165.70): E

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

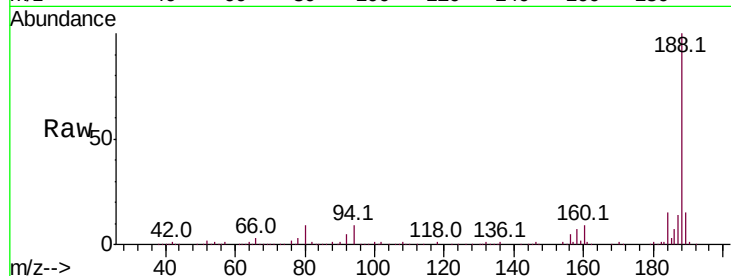




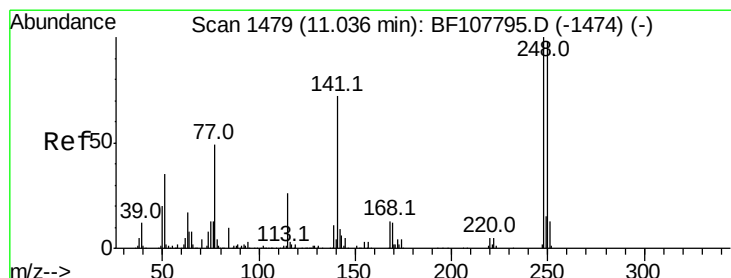
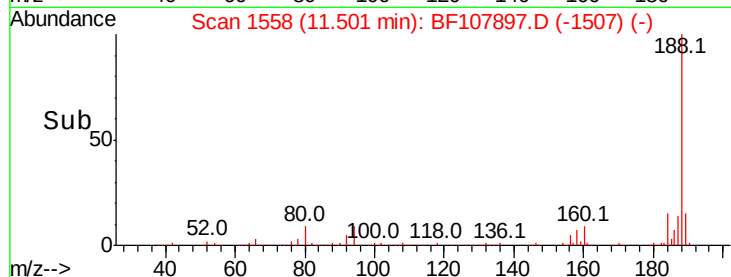
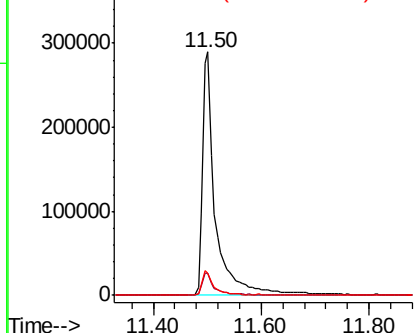
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107897.D
 Acq: 1 Aug 2018 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 480603
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.5 12.7
 80 8.9 9.2 13.8#

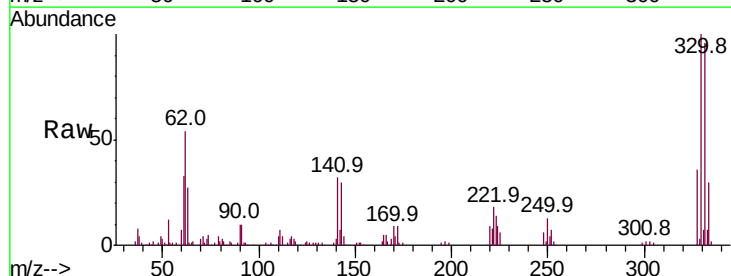


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

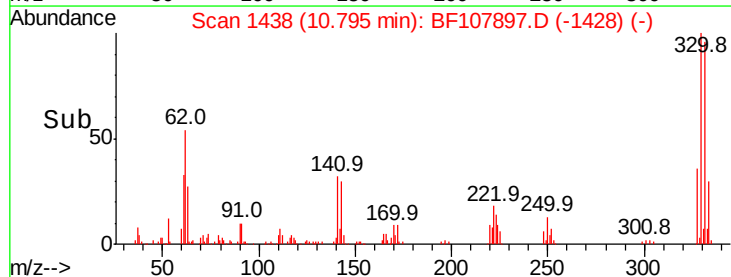
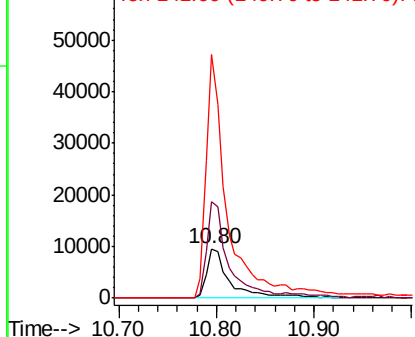


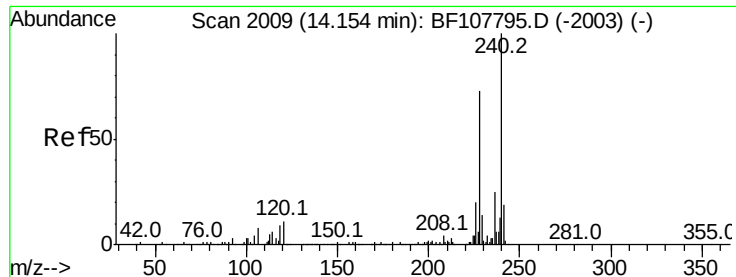
#66
 4-Bromophenyl-phenylether
 Concen: 2.849 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF107897.D
 Acq: 1 Aug 2018 18:55

Tgt Ion:248 Resp: 15961
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.9 115.3#
 141 489.9 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# 2009

Delta R.T. 0.00 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

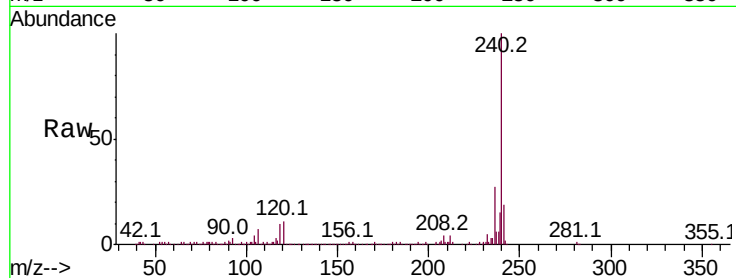
Tot Ion:240 Resp: 362812

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

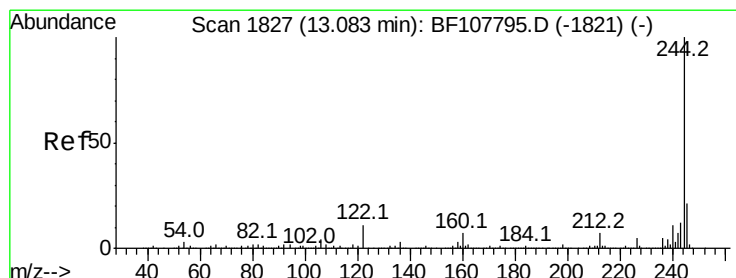
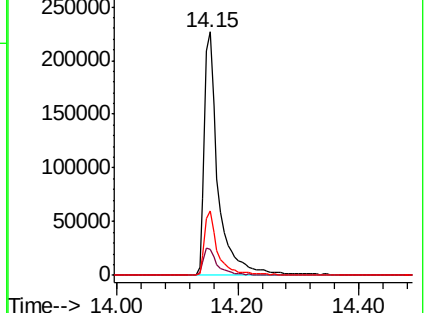
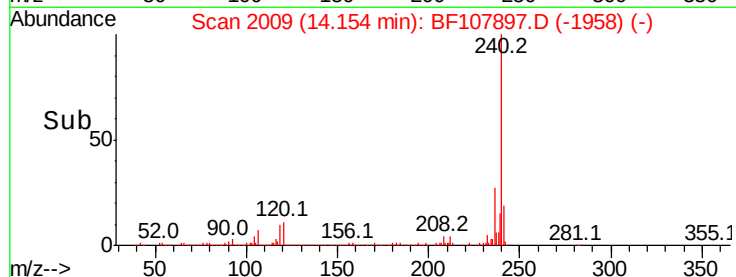
236 26.6 20.7 31.1



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: 52.770 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107897.D

Acq: 1 Aug 2018 18:55

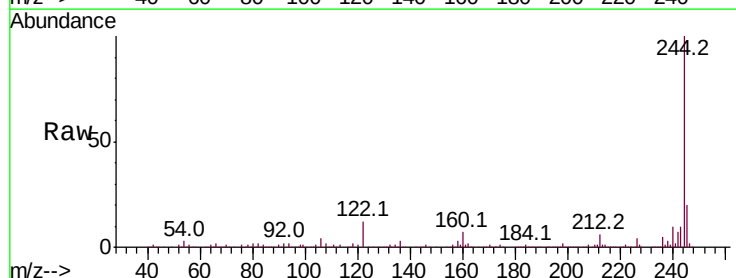
Tgt Ion:244 Resp: 882924

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

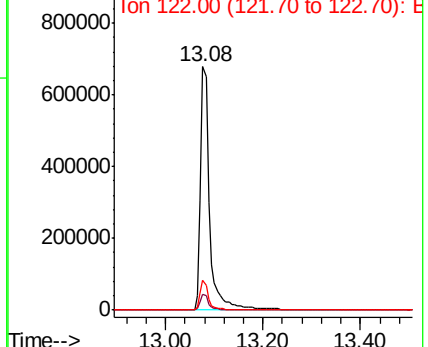
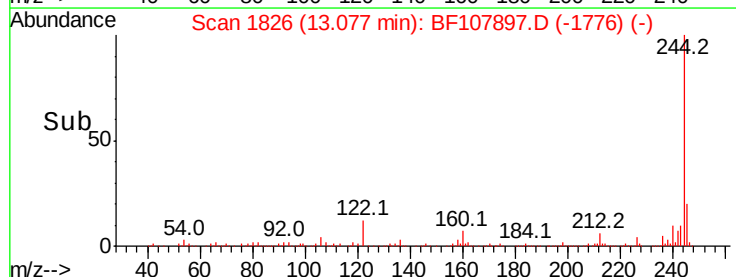
122 12.1 11.0 16.4

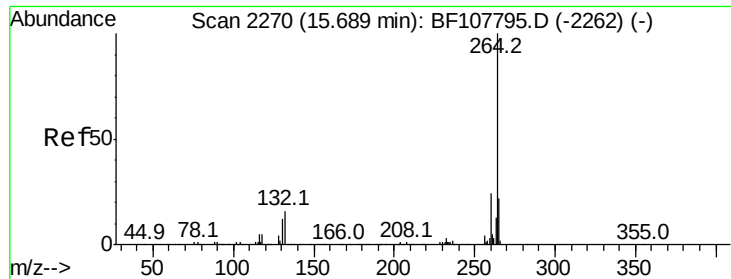


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

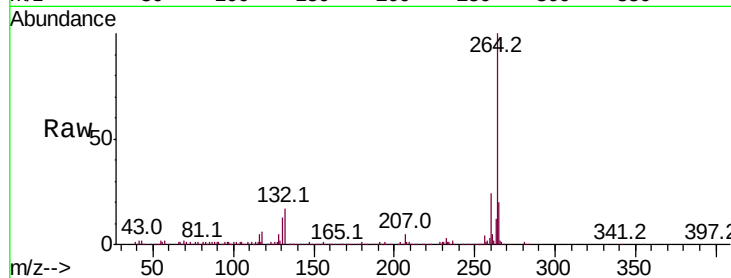




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF107897.D
 Acq: 1 Aug 2018 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.3	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

