

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107898.D
 Acq On : 1 Aug 2018 19:22
 Operator : JU/SJ
 Sample : J4238-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 00:59:12 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	136329	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	613795	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	263908	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	535211	20.00	ng	0.00
75) Chrysene-d12	14.15	240	374806	20.00	ng	0.00
86) Perylene-d12	15.69	264	377438	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	830835	103.58	ng	0.00
7) Phenol-d6	6.60	99	1010416	95.58	ng	0.00
23) Nitrobenzene-d5	7.53	82	682330	64.04	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	328520	91.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1310234	69.18	ng	0.00
78) Terphenyl-d14	13.08	244	1175024	67.98	ng	0.00

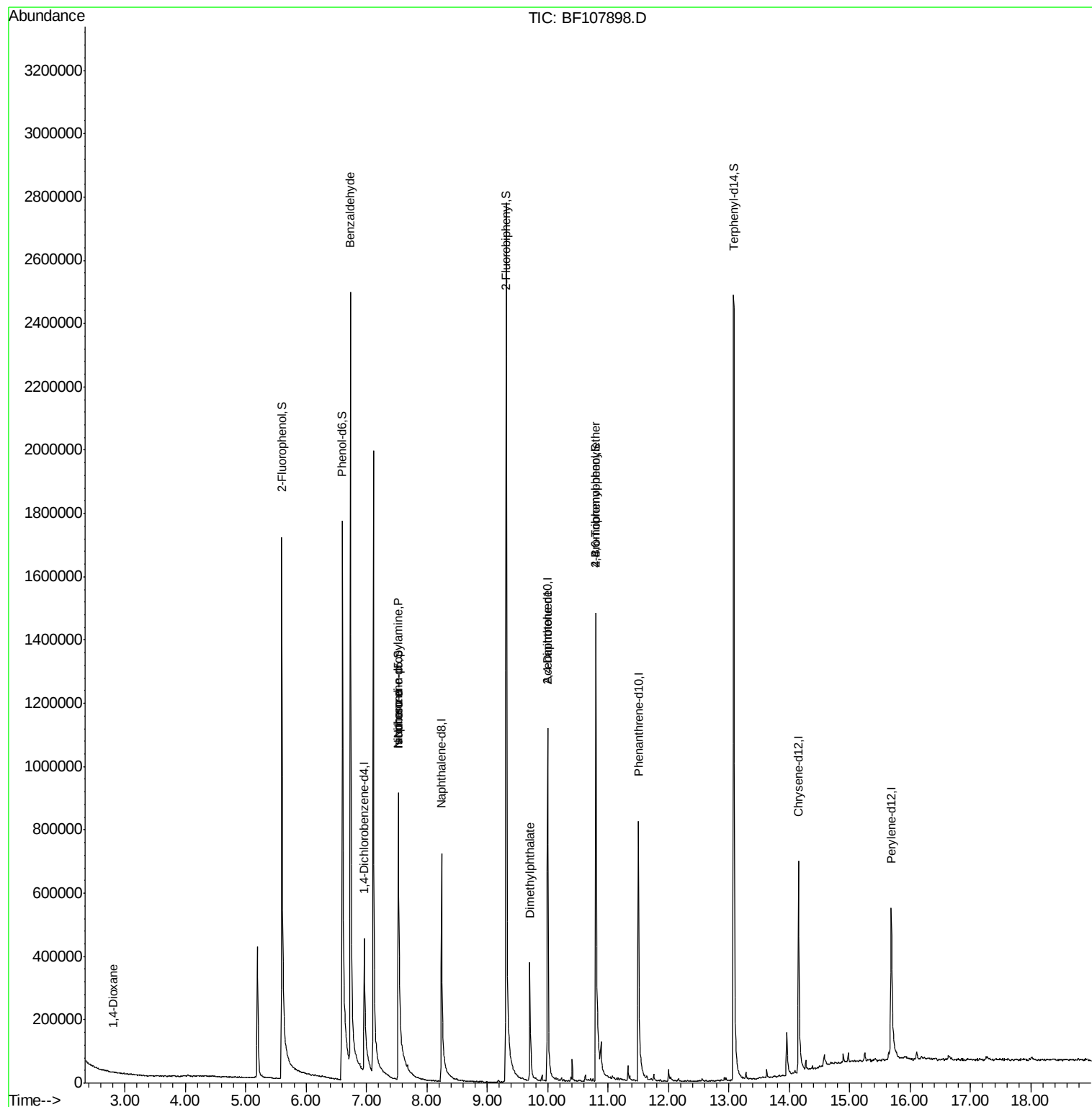
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	342	5.873	ng	# 72
9) Benzaldehyde	6.74	77	18447	2.892	ng	# 87
19) n-Nitroso-di-n-propylamine	7.53	70	77861	11.610	ng	# 79
25) Isophorone	7.53	82	682330	39.015	ng	# 64
49) Dimethylphthalate	9.71	163	224797	11.342	ng	100
56) 2,4-Dinitrotoluene	10.00	165	34101	6.024	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	18659	2.991	ng	# 1

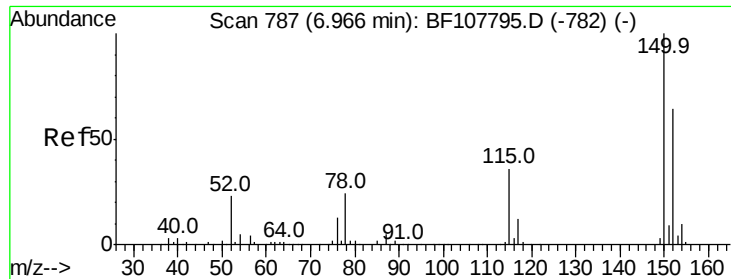
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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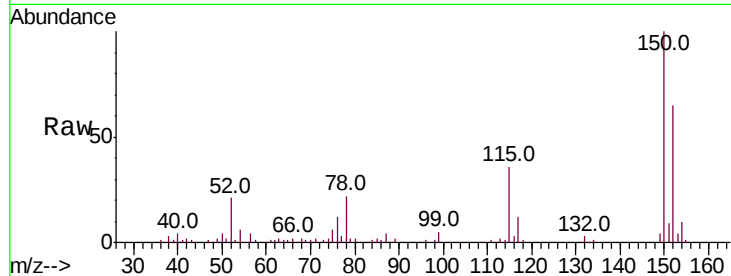


#1

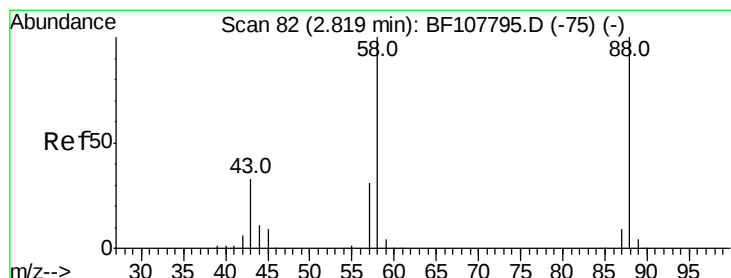
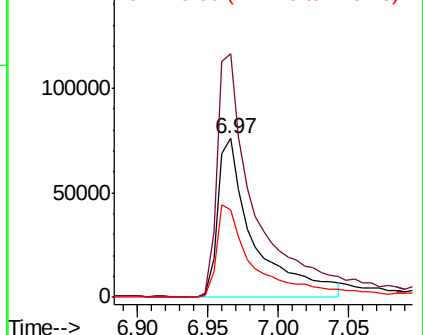
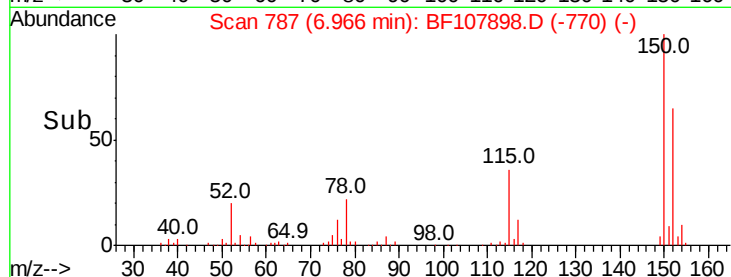
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107898.D
Acq: 1 Aug 2018 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136329
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 55.4 50.1 75.1



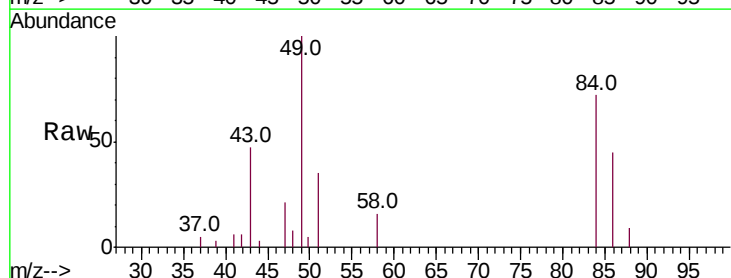
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



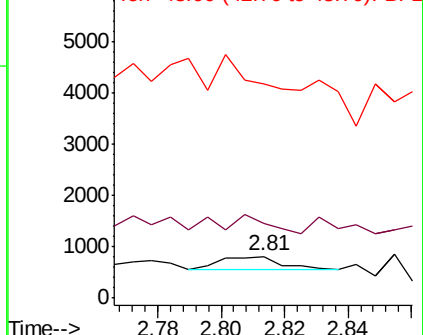
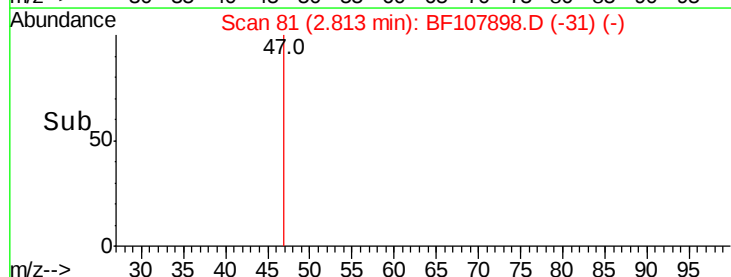
#2

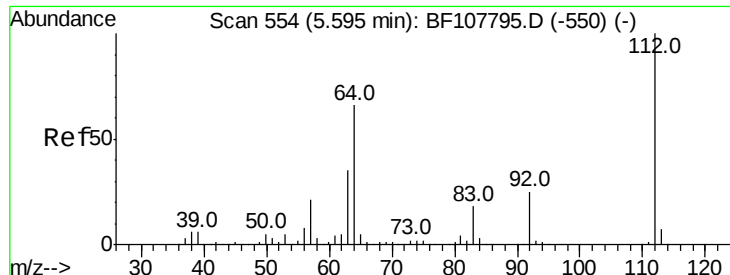
1,4-Dioxane
Concen: 5.873 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107898.D
Acq: 1 Aug 2018 19:22

Tgt Ion: 88 Resp: 342
Ion Ratio Lower Upper
88 100
58 63.5 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: 103.576 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Instrument :
BNA_F
ClientSampled :

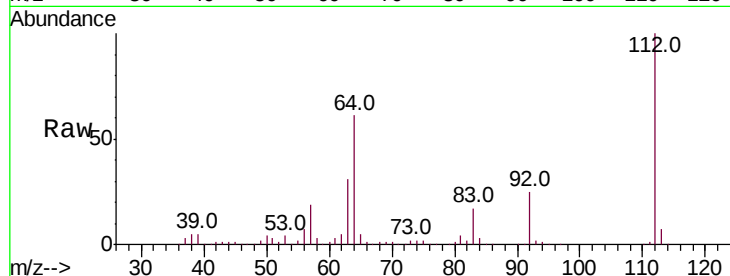
Tot Ion:112 Resp: 830835

Ion Ratio Lower Upper

112 100

64 61.4 47.9 71.9

63 30.8 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

600000

400000

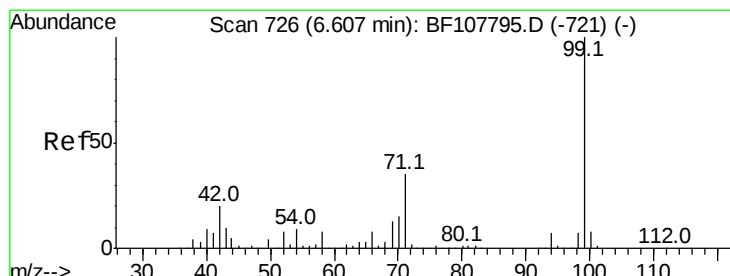
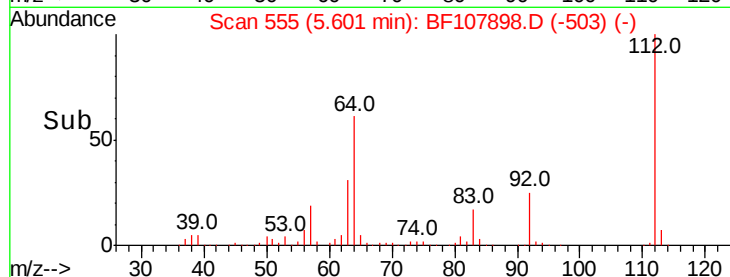
200000

0

5.60

5.80

Time-->



#7

Phenol-d6

Concen: 95.576 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

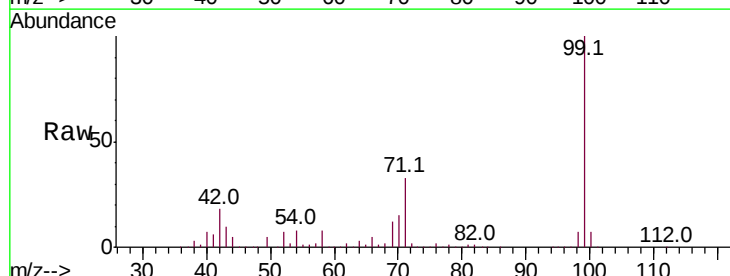
Tgt Ion: 99 Resp: 1010416

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 33.1 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

800000

600000

400000

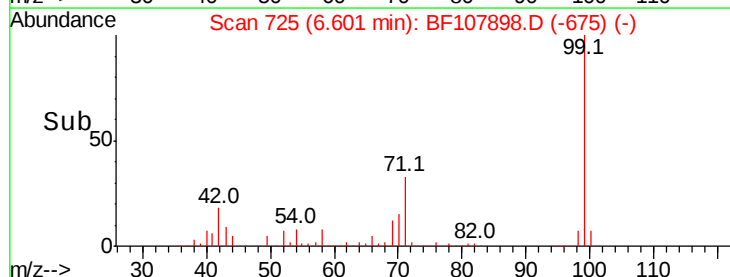
200000

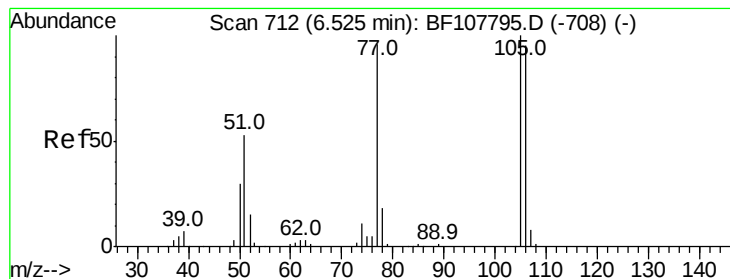
0

6.60

6.70

Time-->





#9

Benzaldehyd

Concen: 2.892 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Instrument :

BNA_F

ClientSampleId :

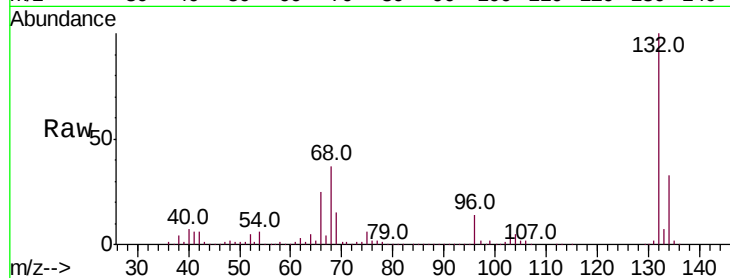
Tot Ion: 77 Resp: 18447

Ion Ratio Lower Upper

77 100

105 84.8 81.1 121.1

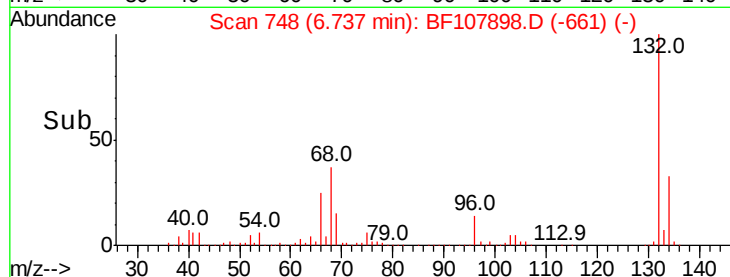
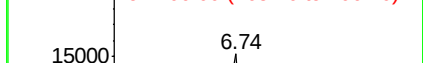
106 84.5 74.5 114.5



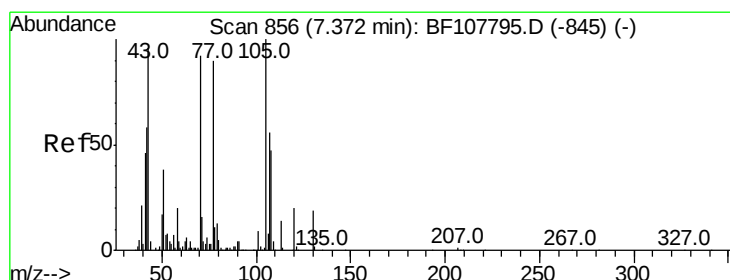
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.610 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.16 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Tgt Ion: 70 Resp: 77861

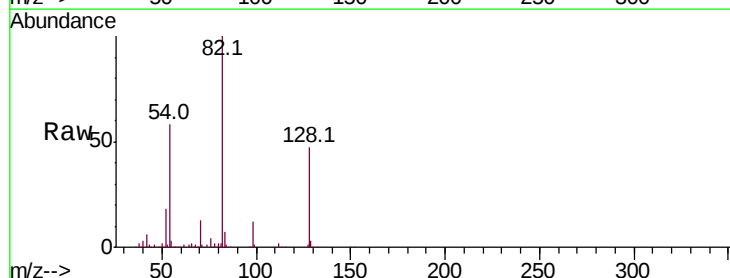
Ion Ratio Lower Upper

70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

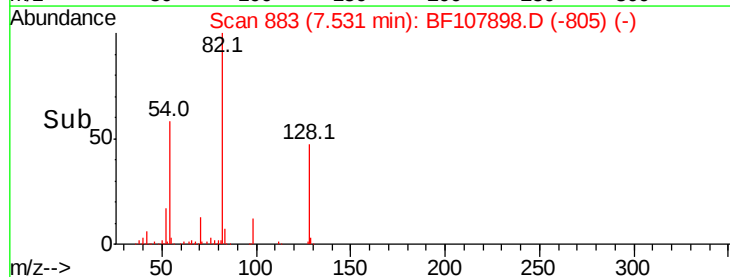
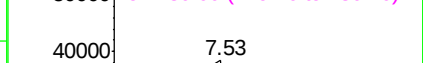


Abundance Ion 70.00 (69.70 to 70.70): BF1

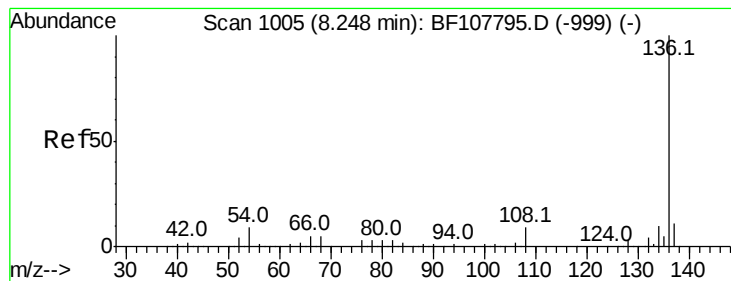
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 613795

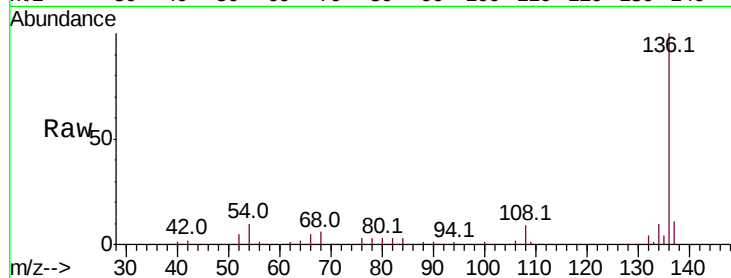
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.8 6.6 9.8

68 6.1 5.0 7.4

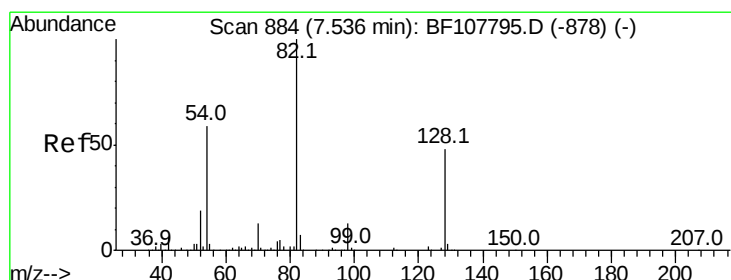
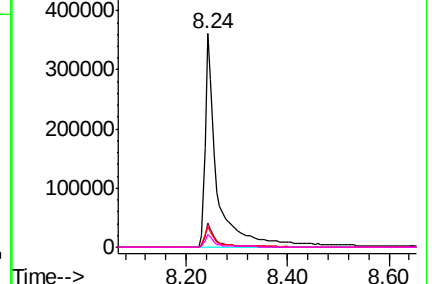
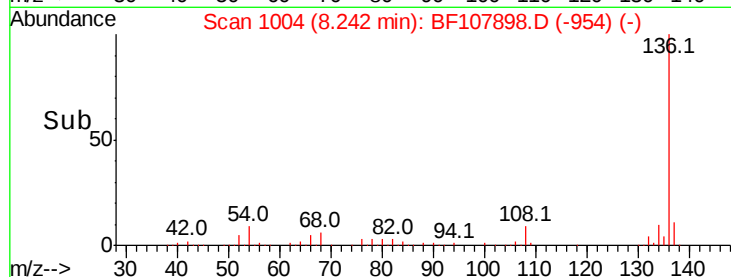


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.043 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

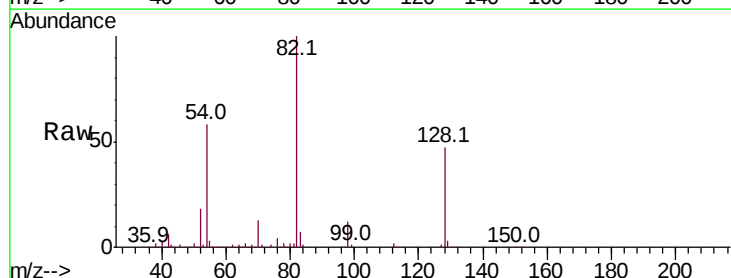
Tgt Ion: 82 Resp: 682330

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

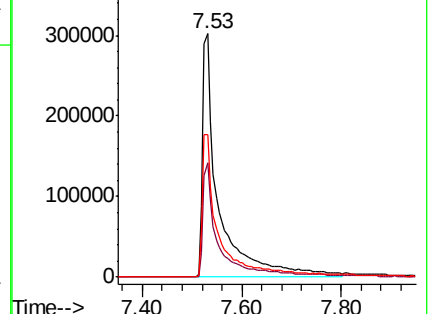
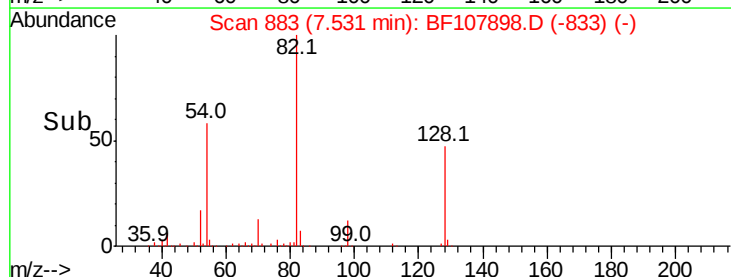
54 58.3 41.4 62.2

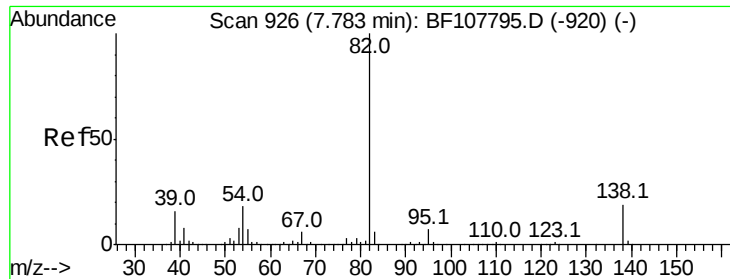


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

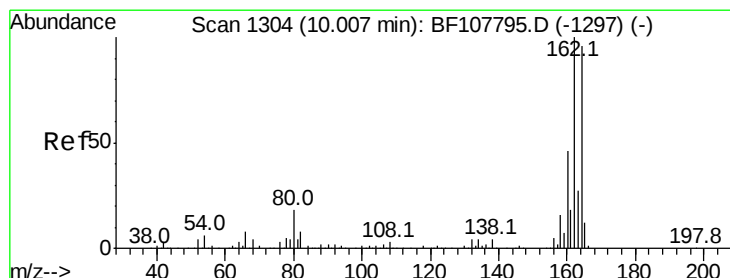
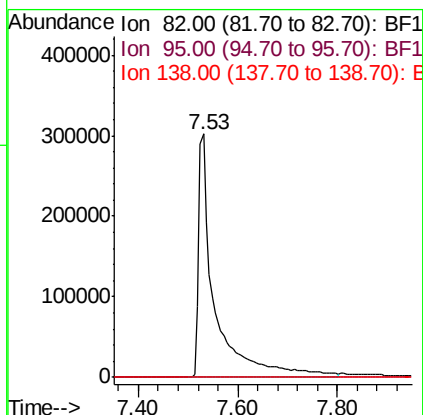
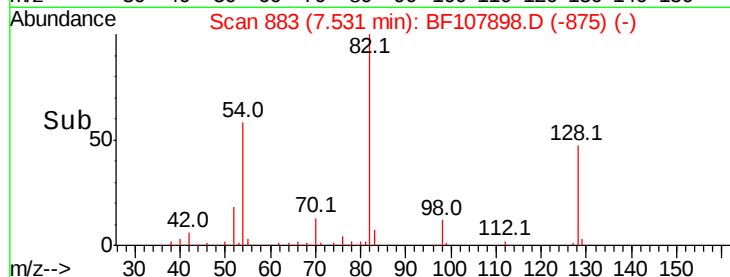
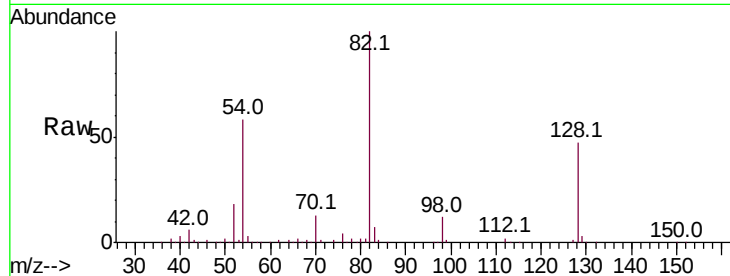




#25
Isophorone
Concen: 39.015 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107898.D
Acq: 1 Aug 2018 19:22

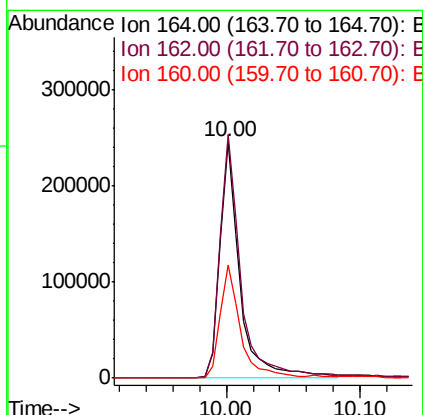
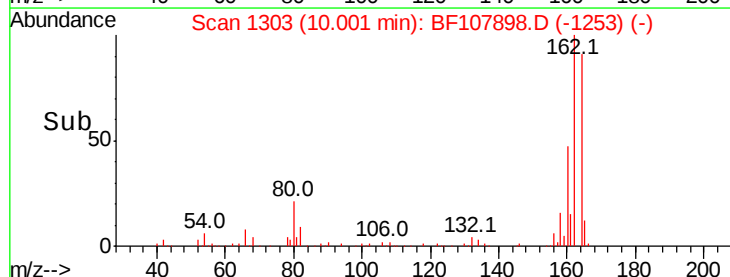
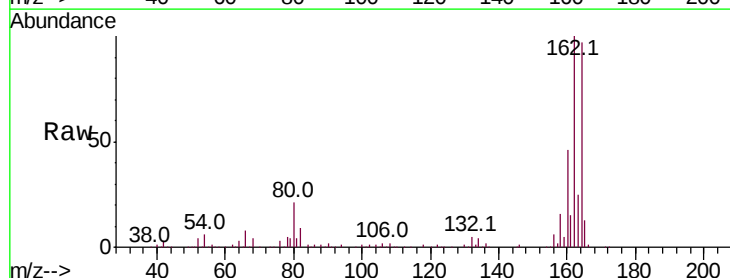
Instrument :
BNA_F
ClientSampleId :

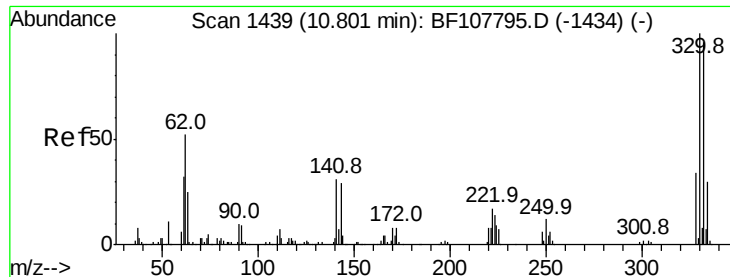
Tot Ion: 82 Resp: 682330
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107898.D
Acq: 1 Aug 2018 19:22

Tgt Ion:164 Resp: 263908
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.7 38.3 57.5

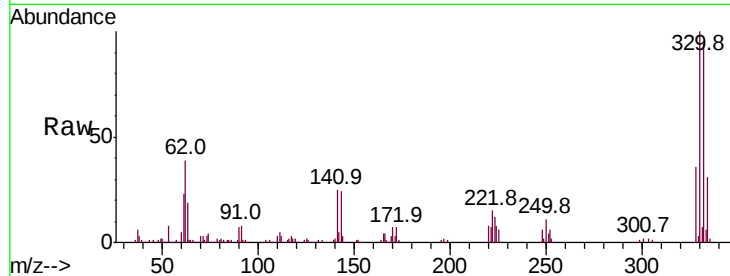




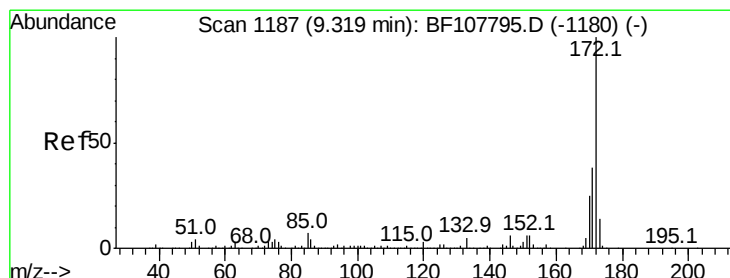
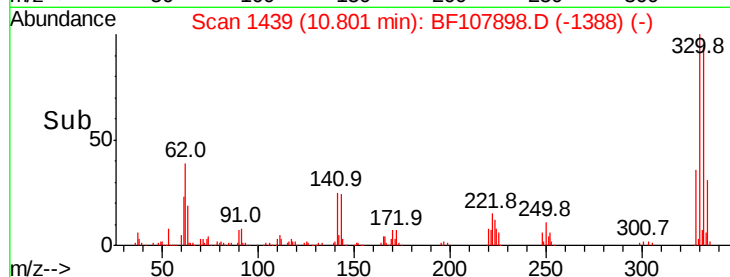
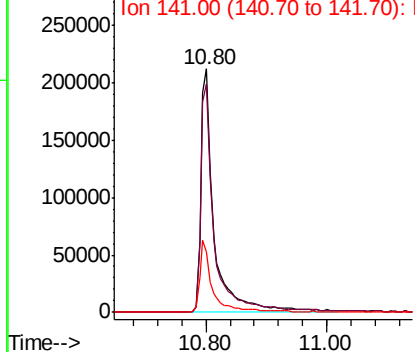
#41
 2,4,6-Tribromophenol
 Concen: 91.612 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107898.D
 Acq: 1 Aug 2018 19:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	28.5	29.9	44.9#

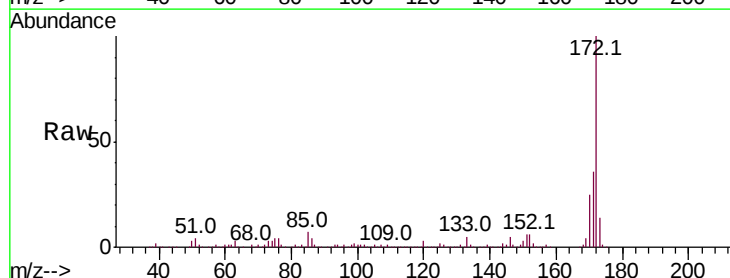


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

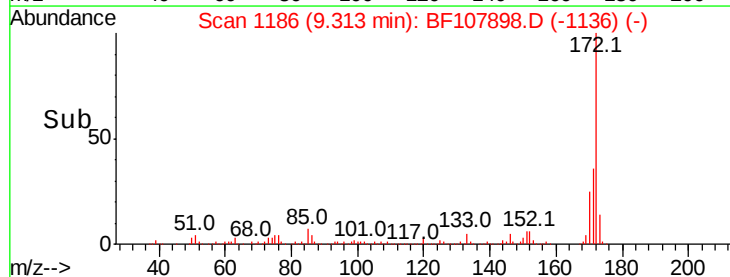
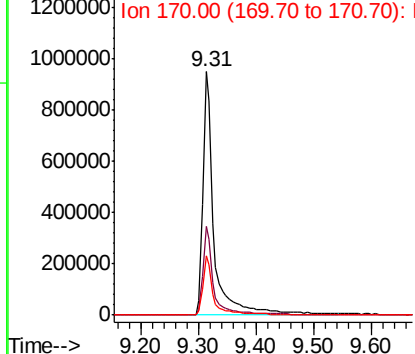


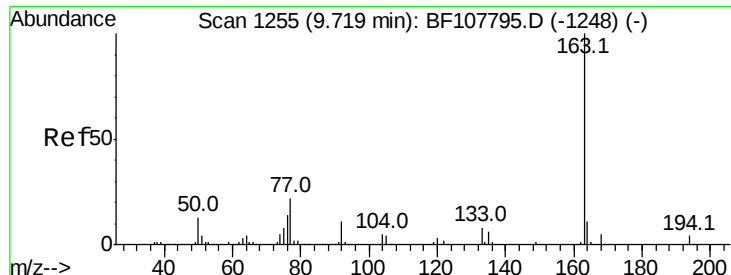
#44
 2-Fluorobiphenyl
 Concen: 69.183 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107898.D
 Acq: 1 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	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: 11.342 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Instrument :

BNA_F

ClientSampleId :

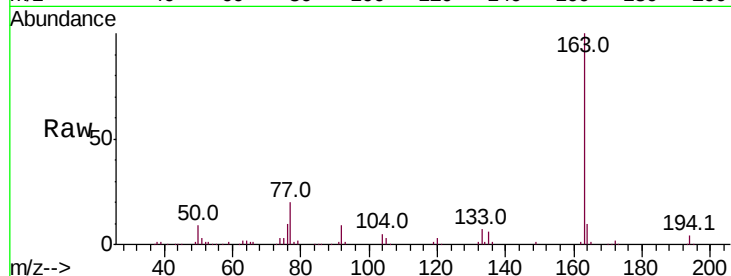
Tot Ion:163 Resp: 224797

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

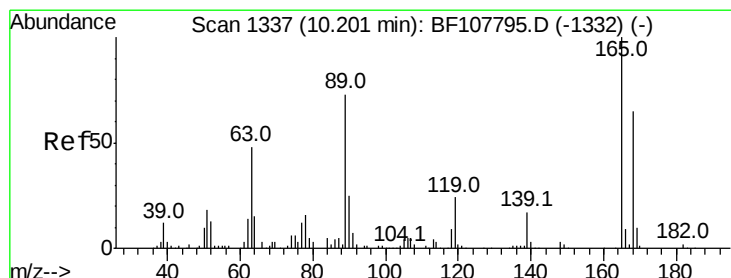
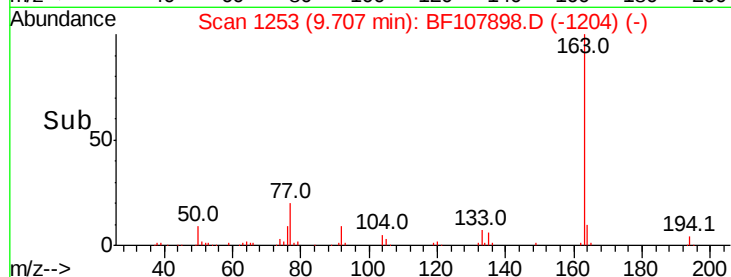
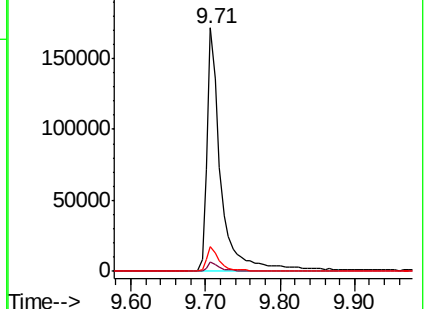
164 10.1 8.2 12.2



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: 6.024 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

Tgt Ion:165 Resp: 34101

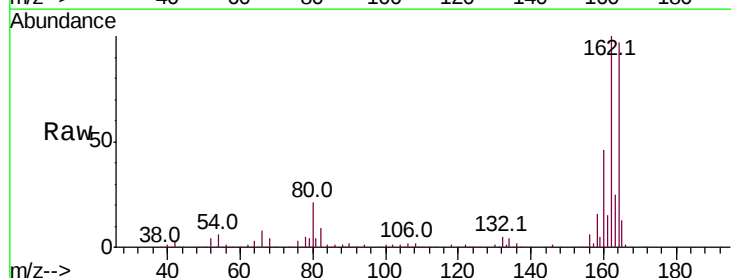
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

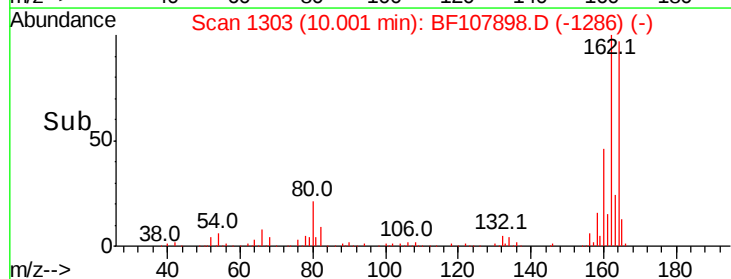
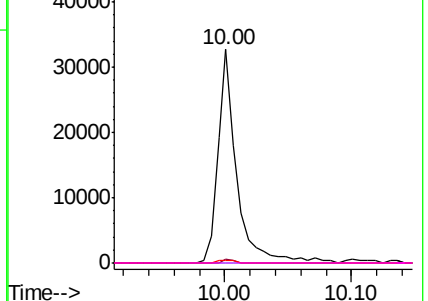


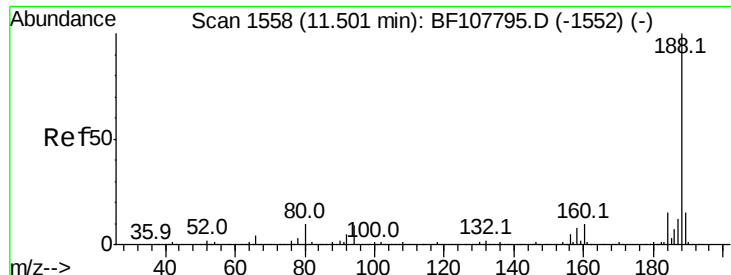
Abundance Ion 165.00 (164.70 to 165.70): E

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

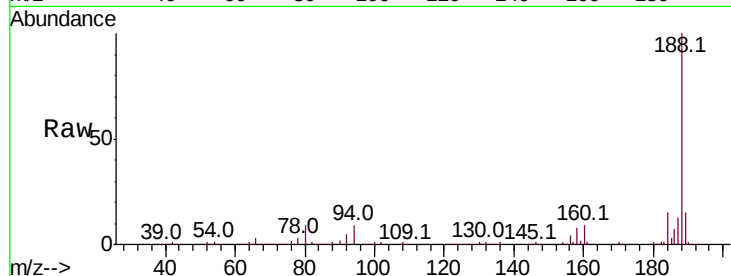




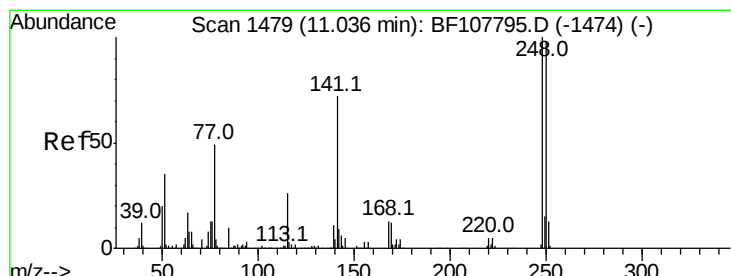
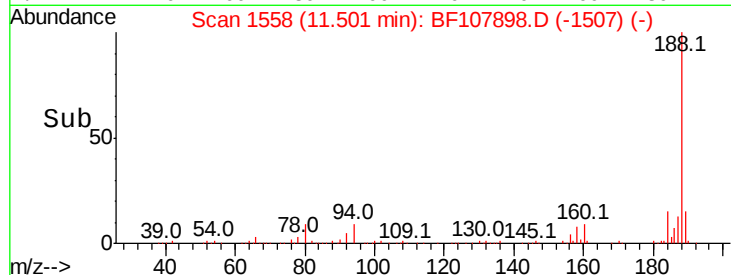
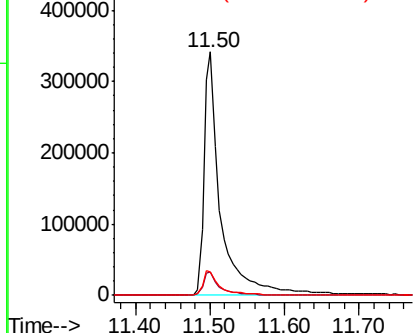
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107898.D
 Acq: 1 Aug 2018 19:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 535211
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.5 9.2 13.8

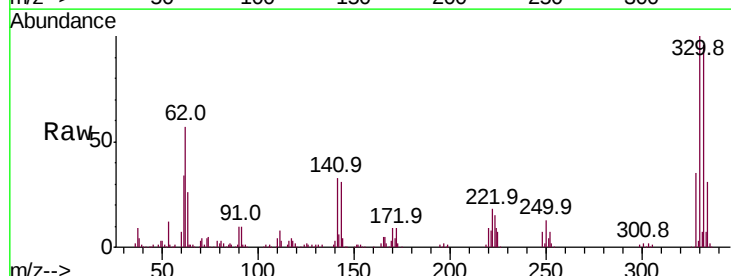


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

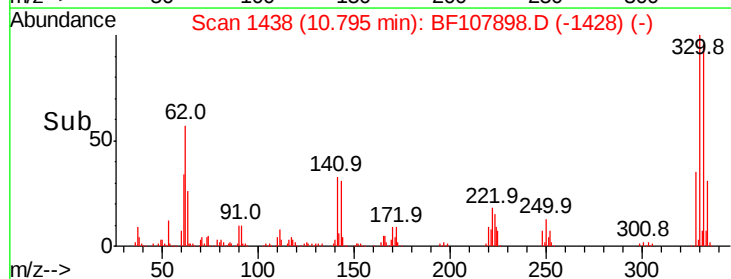
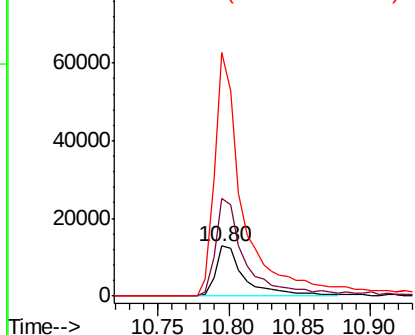


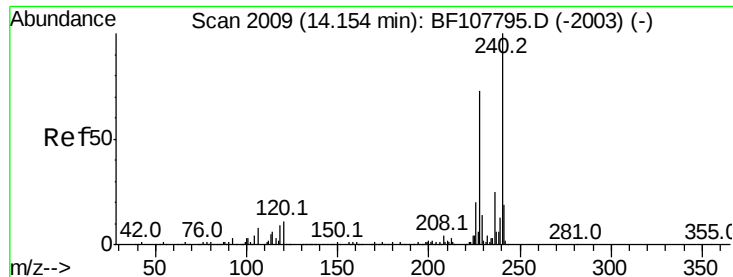
#66
 4-Bromophenyl-phenylether
 Concen: 2.991 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF107898.D
 Acq: 1 Aug 2018 19:22

Tgt Ion:248 Resp: 18659
 Ion Ratio Lower Upper
 248 100
 250 195.0 76.9 115.3#
 141 485.6 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: BF107898.D

Acq: 1 Aug 2018 19:22

Instrument :

BNA_F

ClientSampleId :

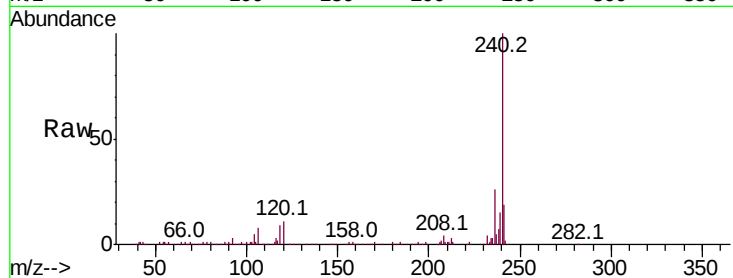
Tot Ion:240 Resp: 374806

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

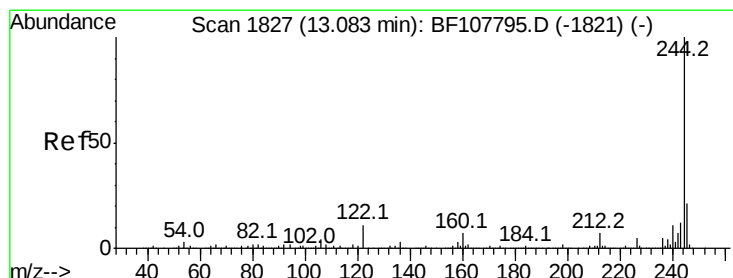
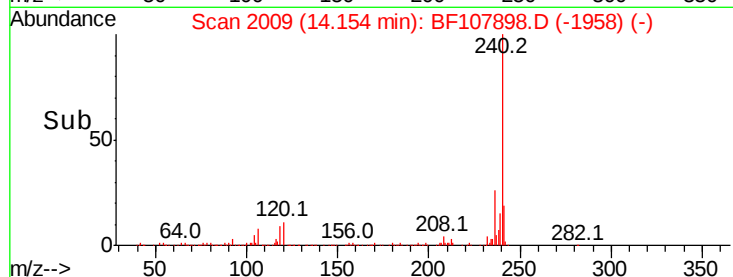
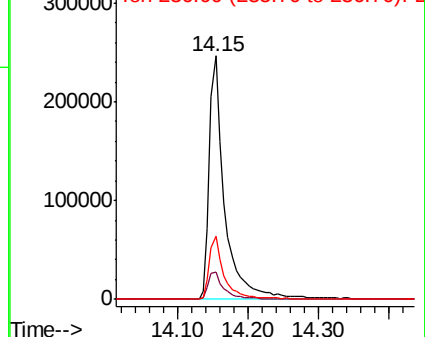
236 26.1 20.7 31.1



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: 67.981 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107898.D

Acq: 1 Aug 2018 19:22

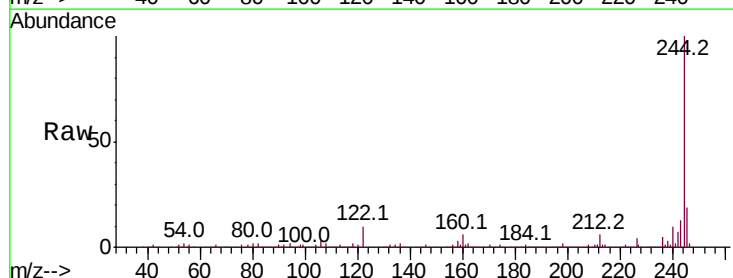
Tgt Ion:244 Resp: 1175024

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

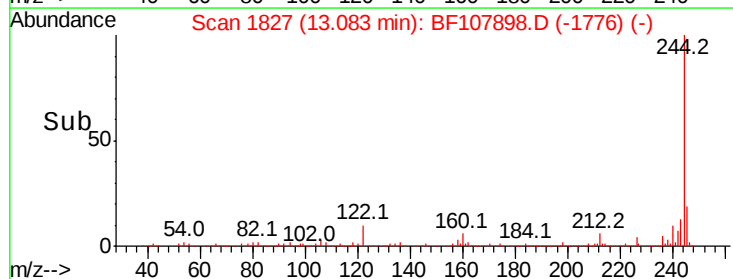
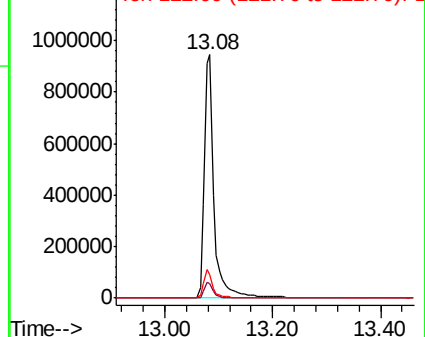
122 9.7 11.0 16.4

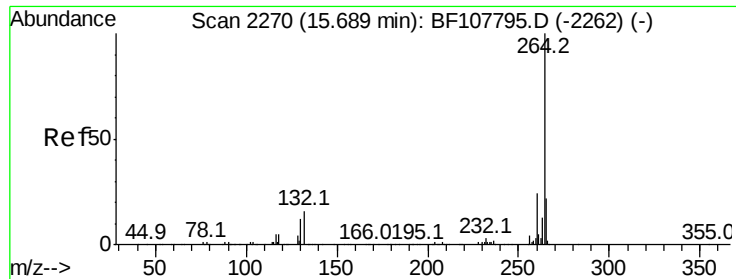


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

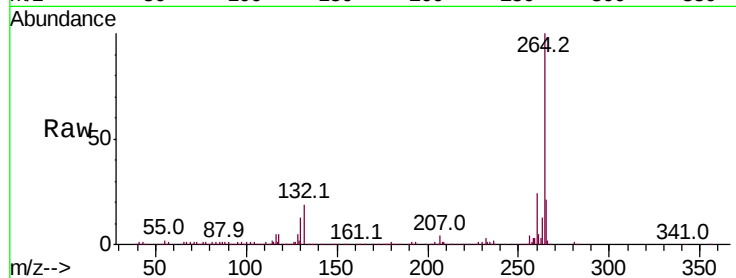




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107898.D
Acq: 1 Aug 2018 19:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.9	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

