

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
 Data File : BF107851.D
 Acq On : 31 Jul 2018 16:06
 Operator : JU/SJ
 Sample : PB111618BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111618BL

Quant Time: Jul 31 16:39:34 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

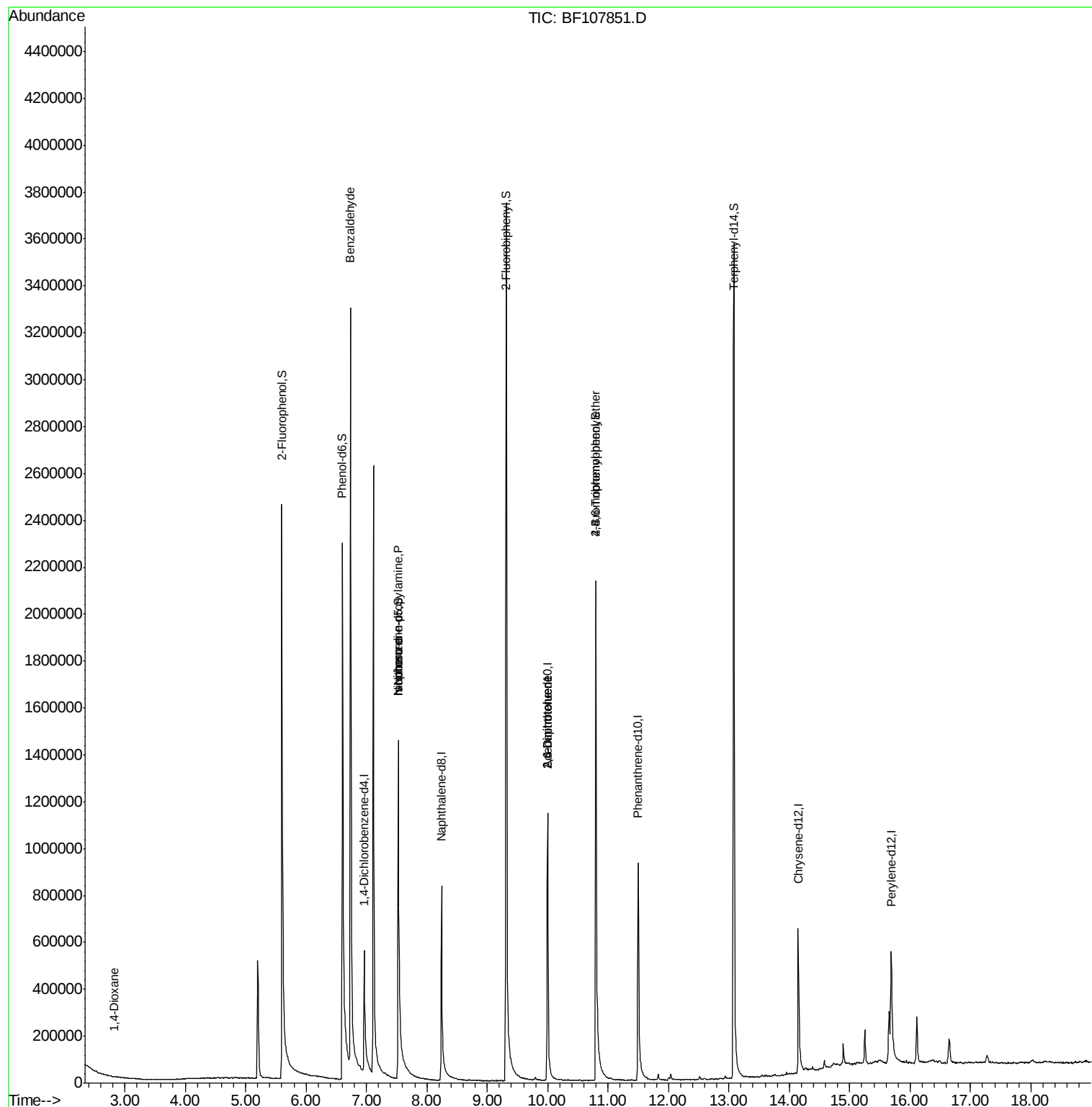
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	149779	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	642974	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	289186	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	598317	20.00	ng	0.00
75) Chrysene-d12	14.15	240	362261	20.00	ng	0.00
86) Perylene-d12	15.69	264	381165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1119252	127.00	ng	0.00
7) Phenol-d6	6.60	99	1356355	116.78	ng	0.00
23) Nitrobenzene-d5	7.52	82	908581	81.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	456847	116.26	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1780663	85.80	ng	0.00
78) Terphenyl-d14	13.08	244	1625641	97.31	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.83	88	843	5.973	ng	# 36
9) Benzaldehyde	6.74	77	24559	3.505	ng	# 83
19) n-Nitroso-di-n-propylamine	7.52	70	103820	14.091	ng	# 81
25) Isophorone	7.52	82	908581	49.594	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	36202	7.670	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	36202	5.836	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	25343	3.634	ng	# 1

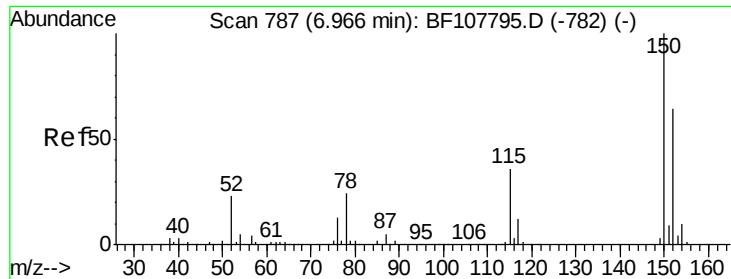
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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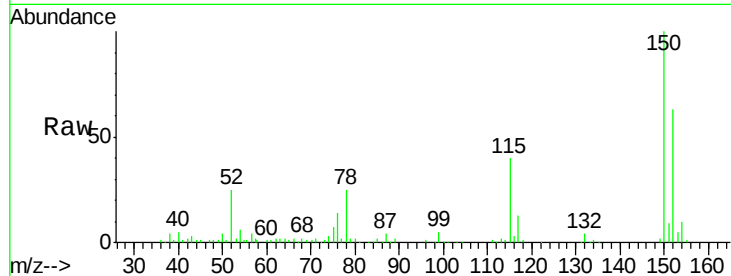


#1

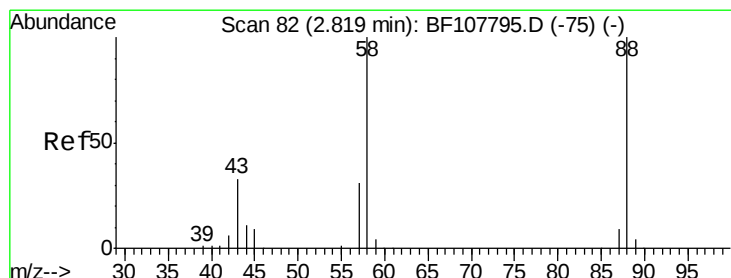
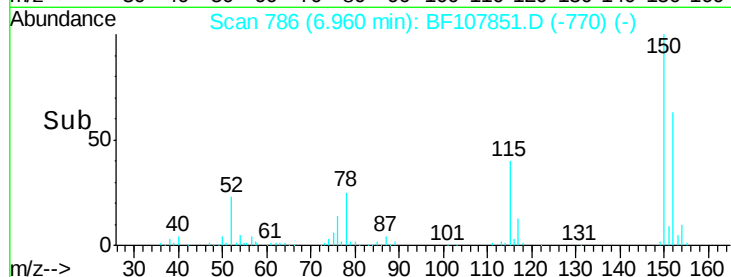
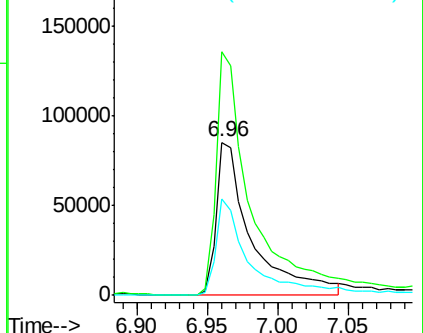
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Instrument :
BNA_F
ClientSampleId :
PB111618BL

Tgt Ion:152 Resp: 149779
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 63.2 50.1 75.1



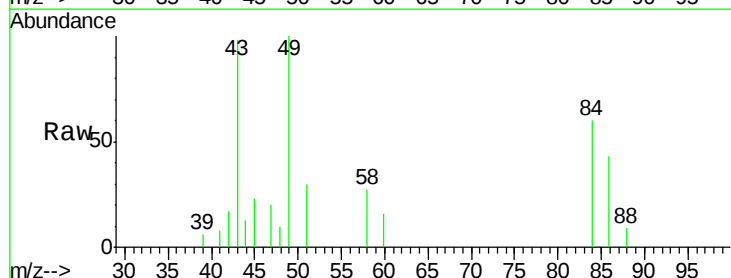
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



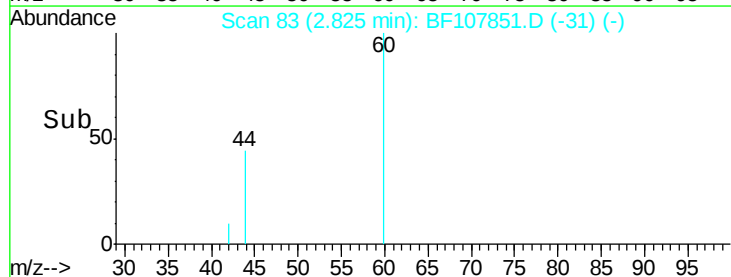
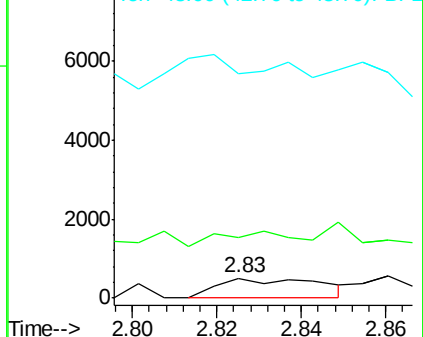
#2

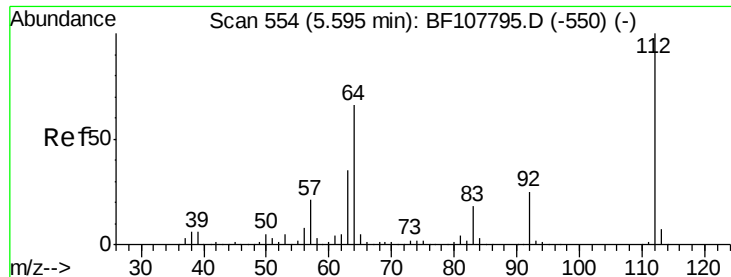
1,4-Dioxane
Concen: 5.973 ng
RT: 2.83 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Tgt Ion: 88 Resp: 843
Ion Ratio Lower Upper
88 100
58 60.0 62.6 93.8#
43 125.7 24.6 37.0#



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

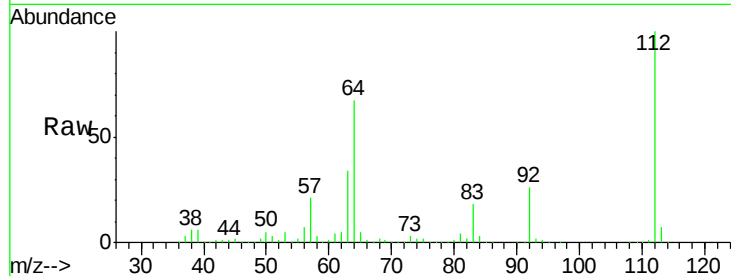




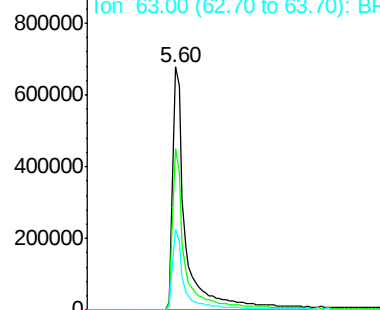
#5
2-Fluorophenol
Concen: 127.002 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Instrument :
BNA_F
ClientSampleId :
PB111618BL

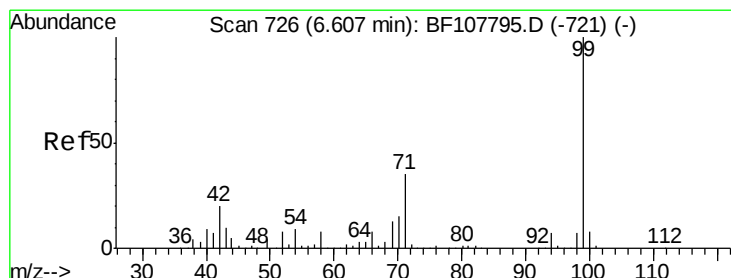
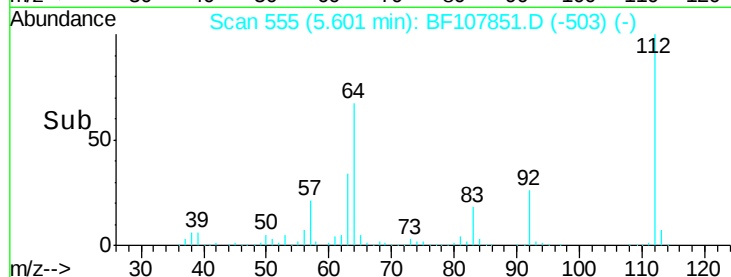
Tgt Ion: 112 Resp: 1119252
Ion Ratio Lower Upper
112 100
64 66.6 47.9 71.9
63 33.5 23.7 35.5



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

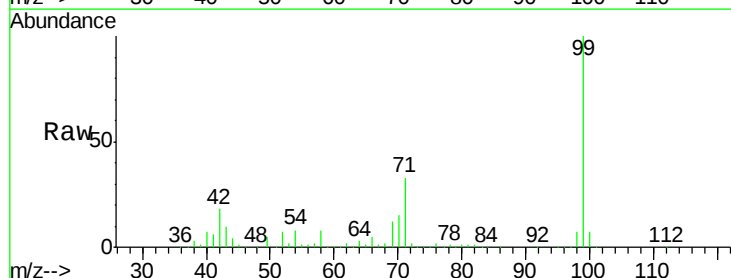


Time-->

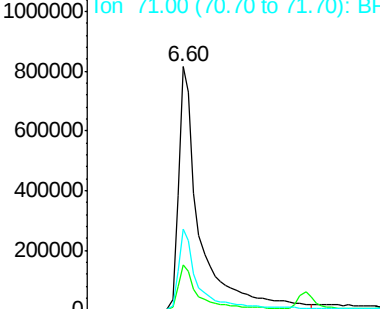


#7
Phenol-d6
Concen: 116.777 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

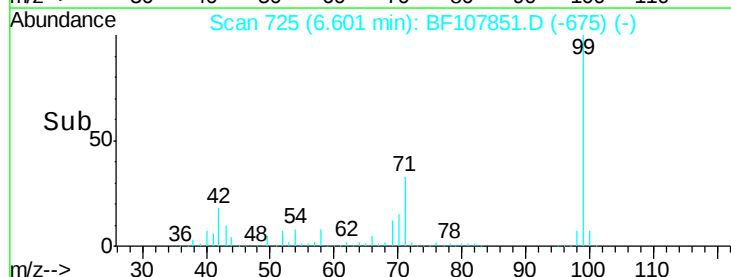
Tgt Ion: 99 Resp: 1356355
Ion Ratio Lower Upper
99 100
42 18.4 14.5 21.7
71 33.1 25.4 38.0

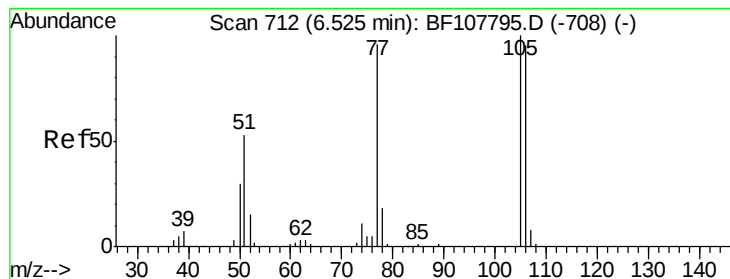


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->





#9

Benzaldehyde

Concen: 3.505 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

Instrument :

BNA_F

ClientSampleId :

PB111618BL

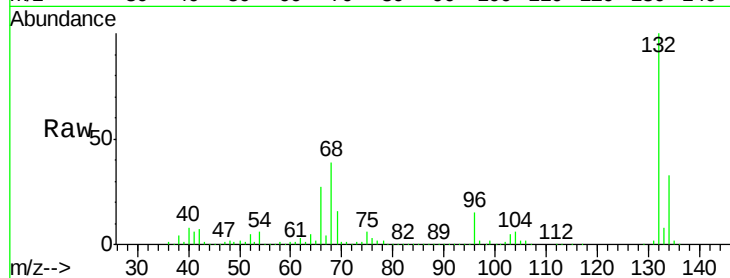
Tgt Ion: 77 Resp: 24559

Ion Ratio Lower Upper

77 100

105 84.9 81.1 121.1

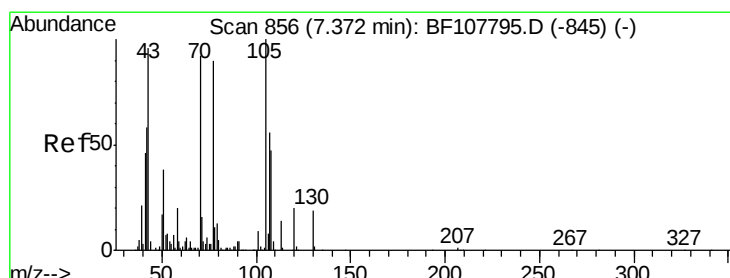
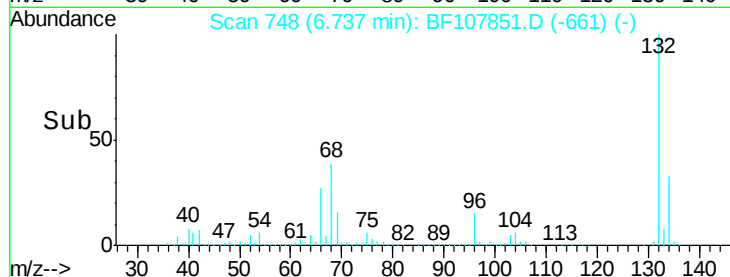
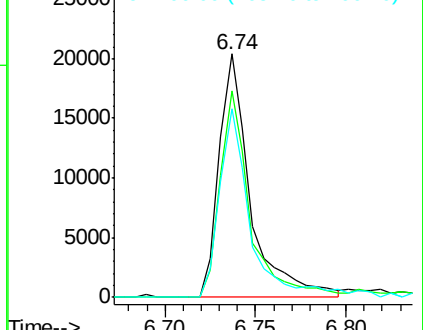
106 77.2 74.5 114.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.091 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

Tgt Ion: 70 Resp: 103820

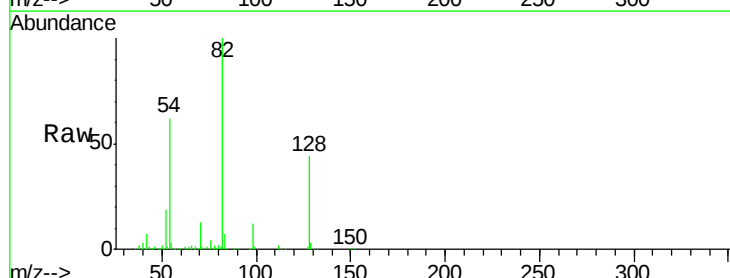
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

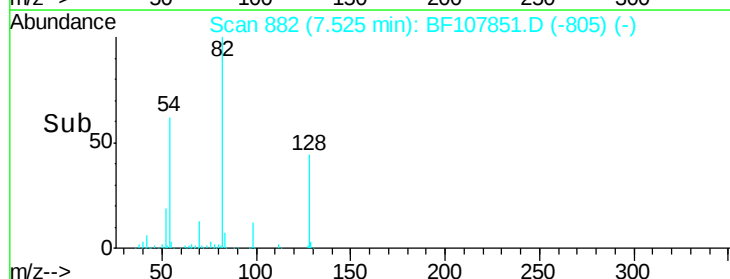
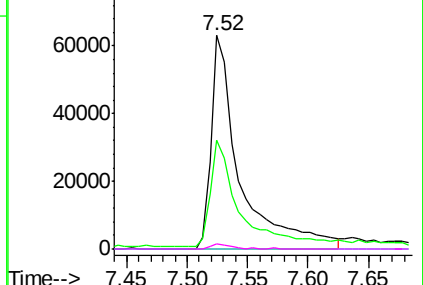


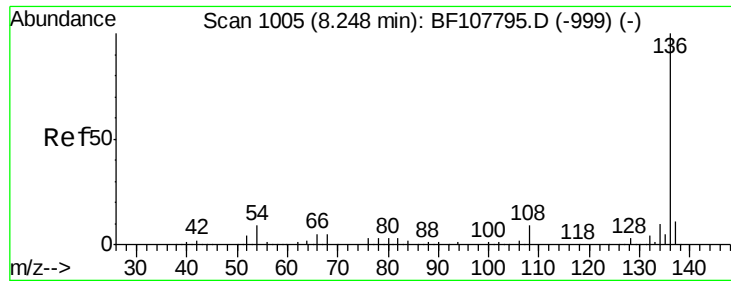
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

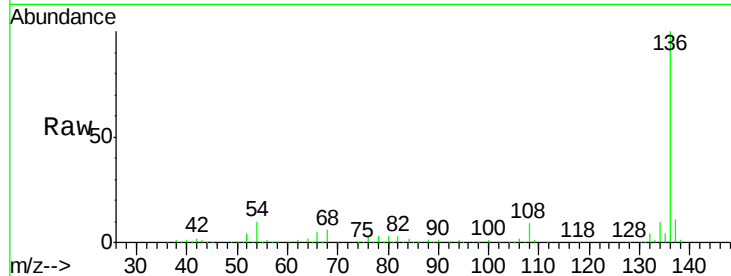




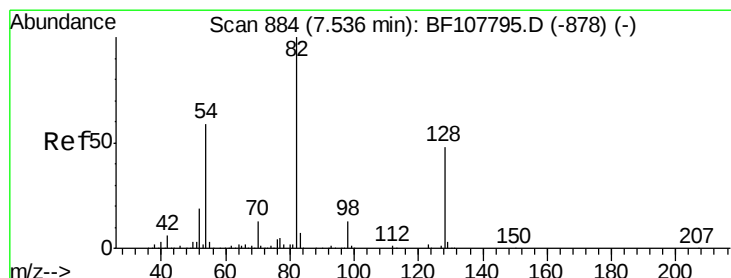
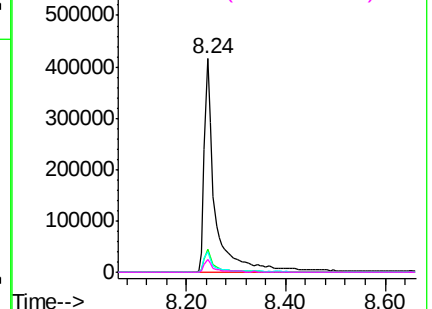
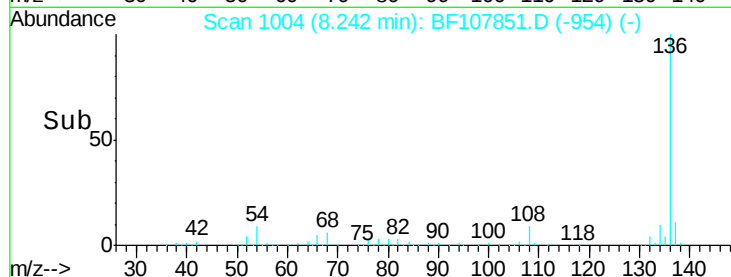
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Instrument :
BNA_F
ClientSampleId :
PB111618BL

Tgt Ion: 136 Resp: 642974
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.5 6.6 9.8
68 6.1 5.0 7.4

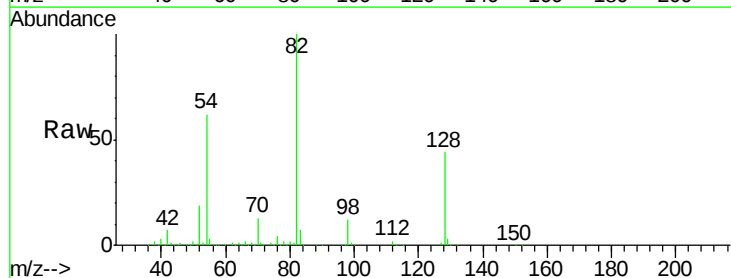


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

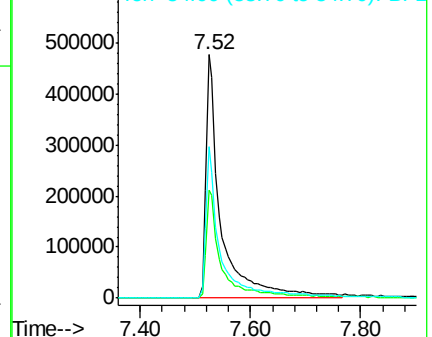
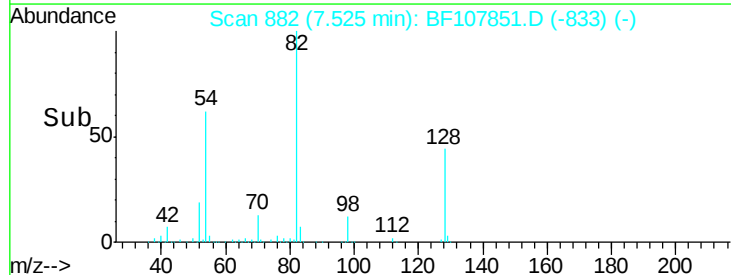


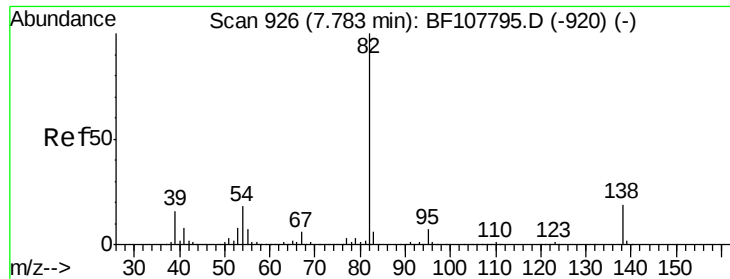
#23
Nitrobenzene-d5
Concen: 81.409 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Tgt Ion: 82 Resp: 908581
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 62.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.594 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

Instrument :

BNA_F

ClientSampleId :

PB111618BL

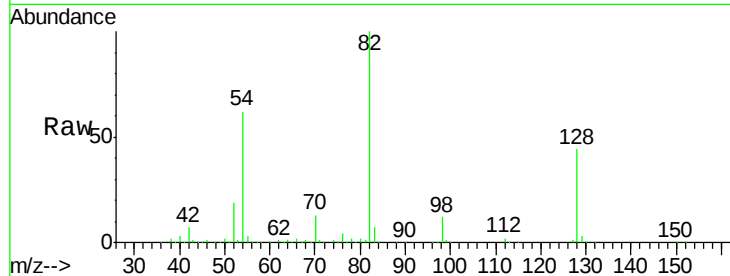
Tgt Ion: 82 Resp: 908581

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

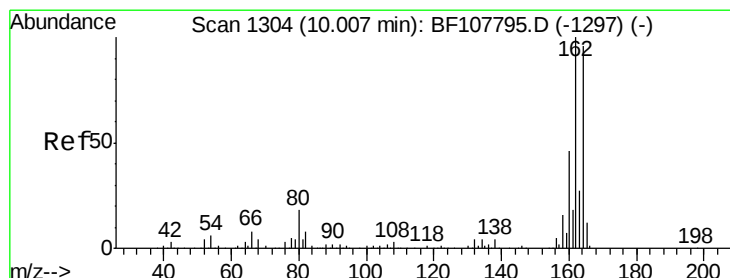
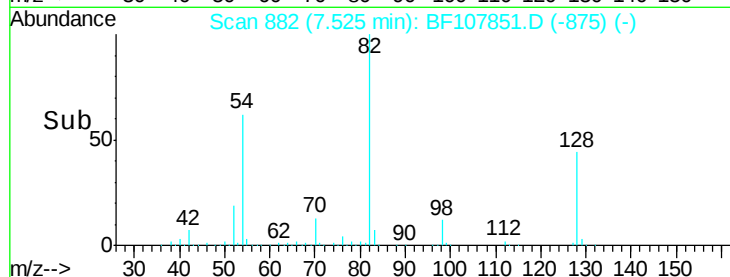
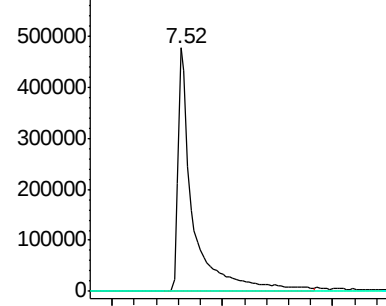
138 0.0 14.9 22.3#



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: BF107851.D

Acq: 31 Jul 2018 16:06

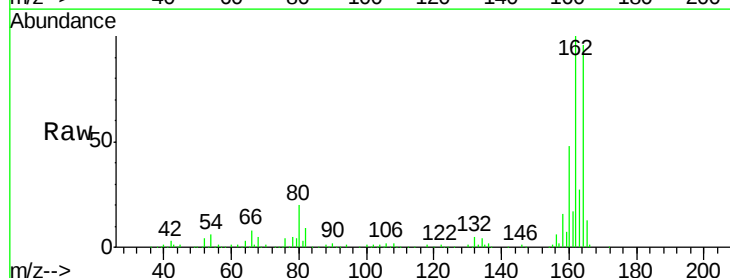
Tgt Ion: 164 Resp: 289186

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

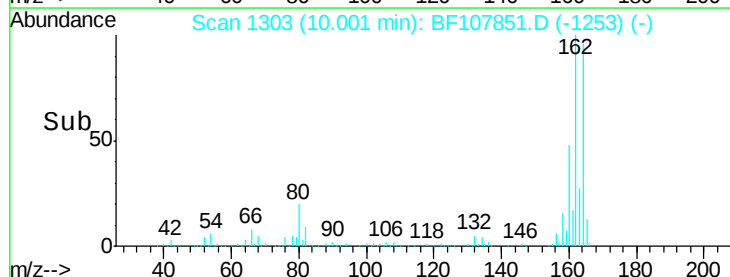
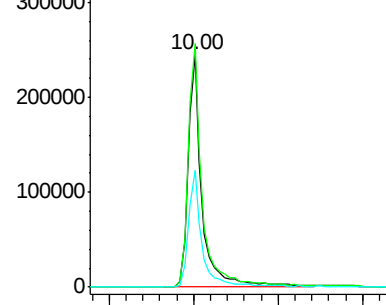
160 50.0 38.3 57.5

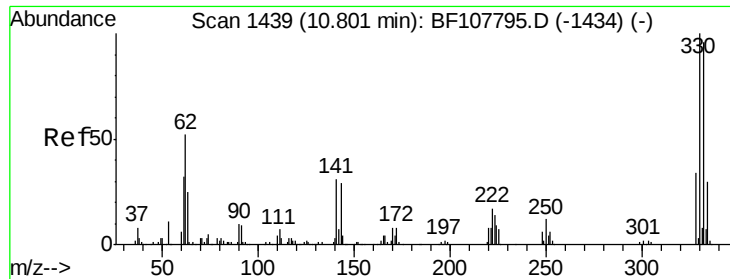


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

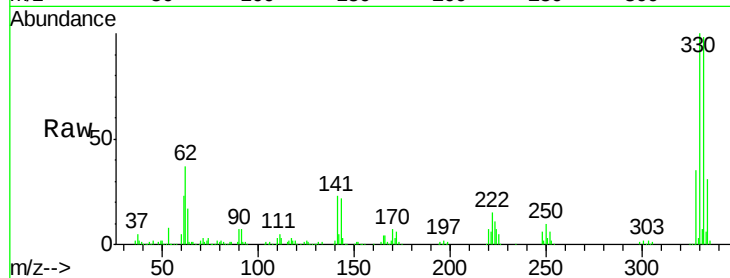




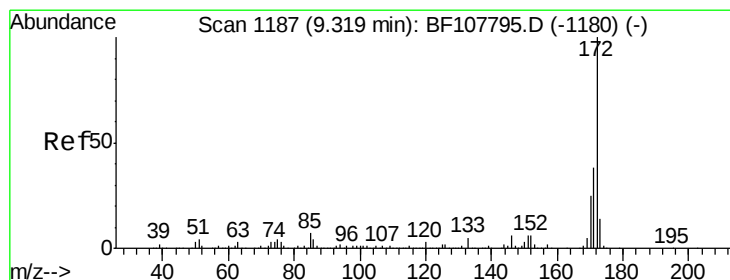
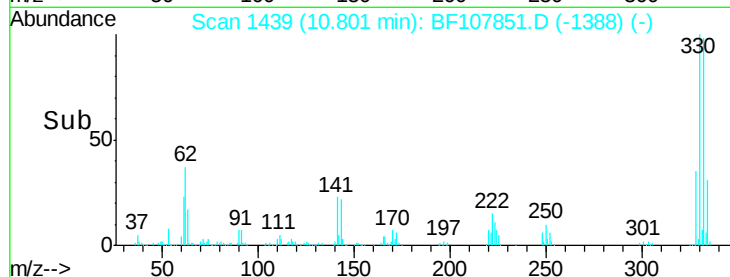
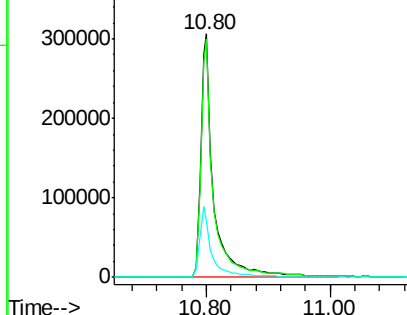
#41
 2,4,6-Tribromophenol
 Concen: 116.262 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107851.D
 Acq: 31 Jul 2018 16:06

Instrument :
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Tgt Ion:330 Resp: 456847
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 27.8 29.9 44.9#

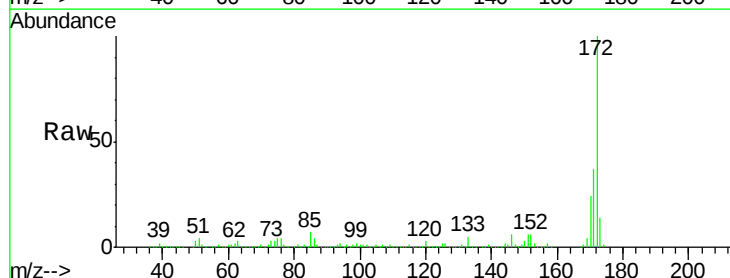


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

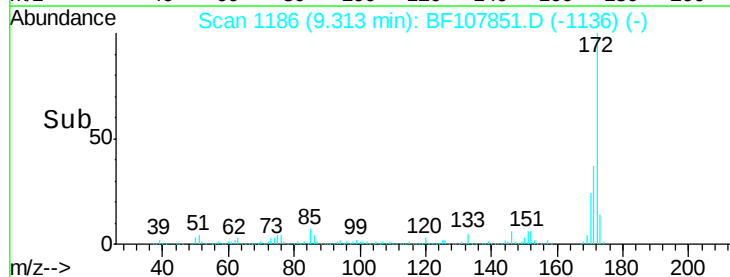
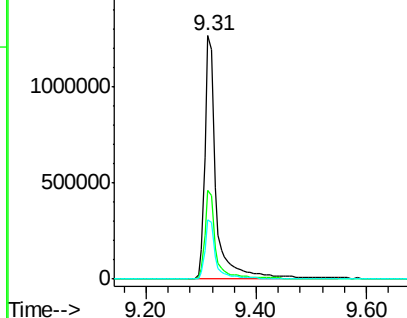


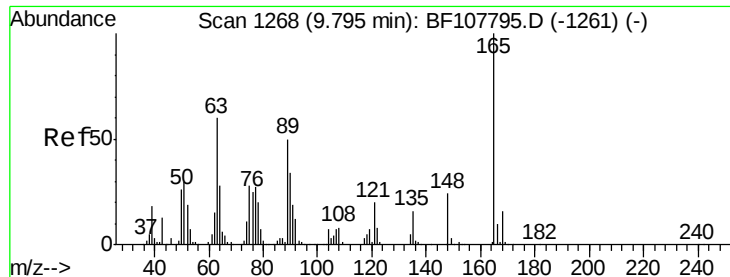
#44
 2-Fluorobiphenyl
 Concen: 85.804 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107851.D
 Acq: 31 Jul 2018 16:06

Tgt Ion:172 Resp: 1780663
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.3 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

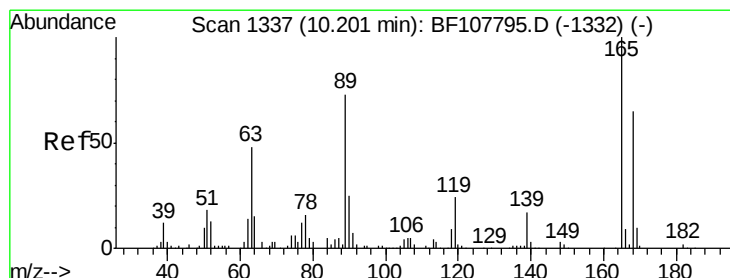
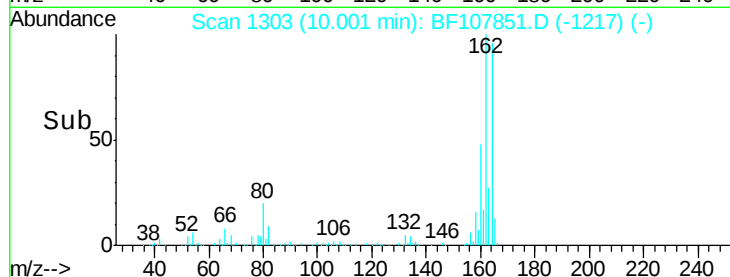
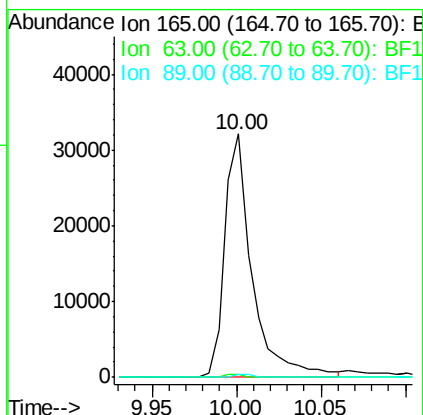
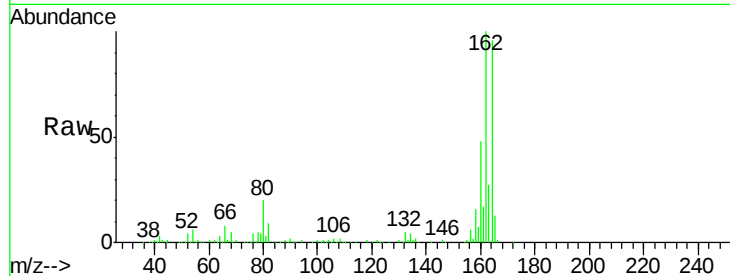




#50
 2,6-Dinitrotoluene
 Concen: 7.670 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107851.D
 Acq: 31 Jul 2018 16:06

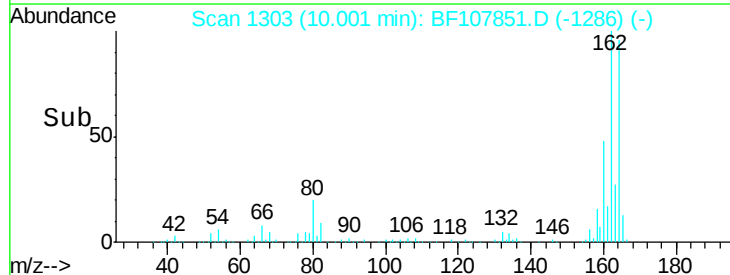
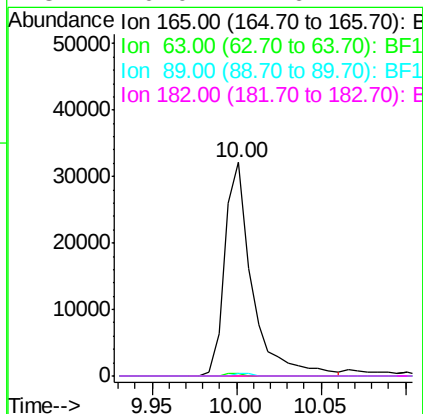
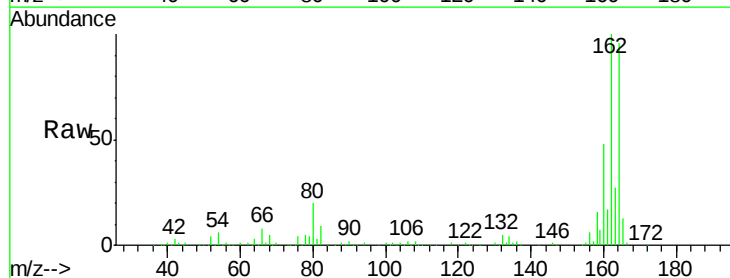
Instrument :
 BNA_F
 ClientSampleId :
 PB111618BL

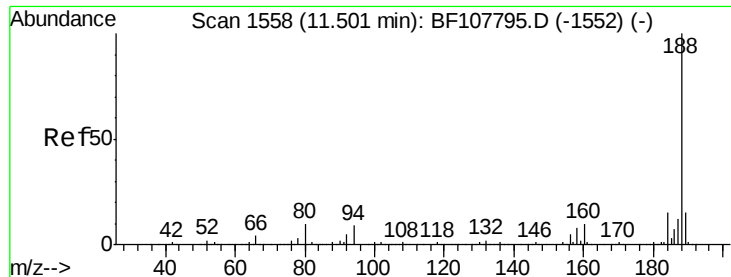
Tgt Ion:165 Resp: 36202
 Ion Ratio Lower Upper
 165 100
 63 1.1 44.7 67.1#
 89 1.2 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.836 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107851.D
 Acq: 31 Jul 2018 16:06

Tgt Ion:165 Resp: 36202
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

Instrument :

BNA_F

ClientSampleId :

PB111618BL

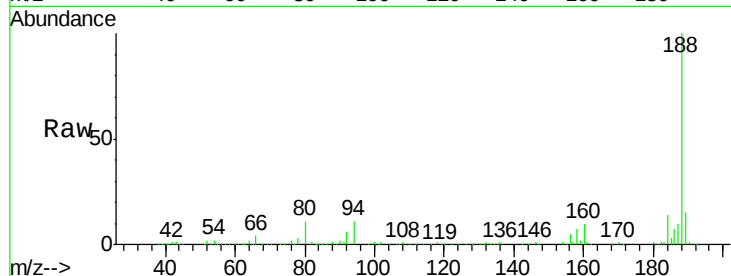
Tgt Ion:188 Resp: 598317

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

80 11.1 9.2 13.8

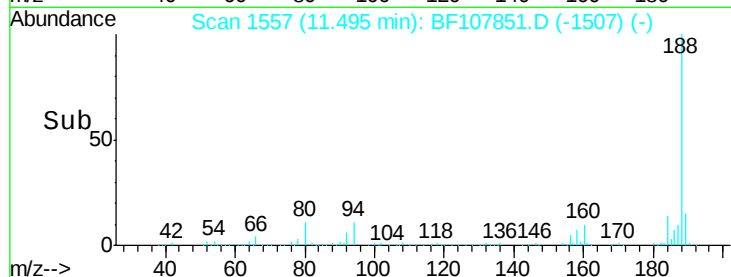


Abundance Ion 188.00 (187.70 to 188.70): E

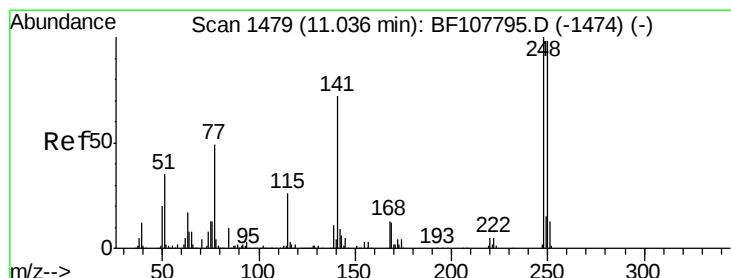
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.634 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

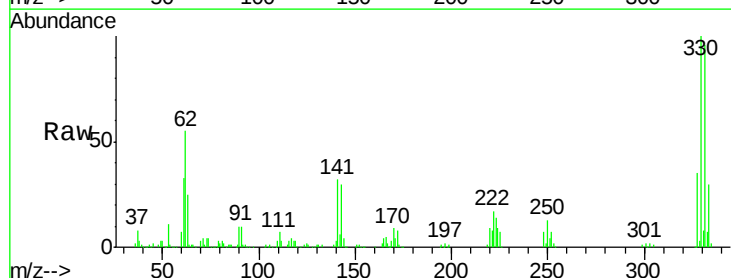
Tgt Ion:248 Resp: 25343

Ion Ratio Lower Upper

248 100

250 189.4 76.9 115.3#

141 475.4 74.4 111.6#

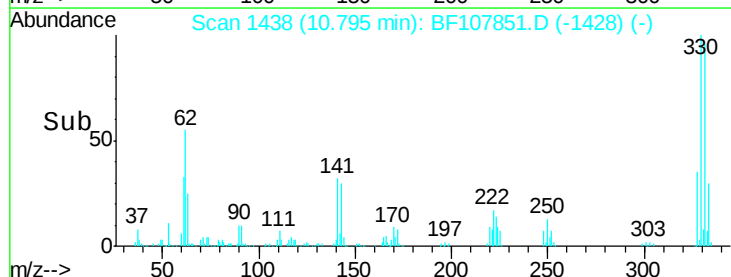


Abundance Ion 248.00 (247.70 to 248.70): E

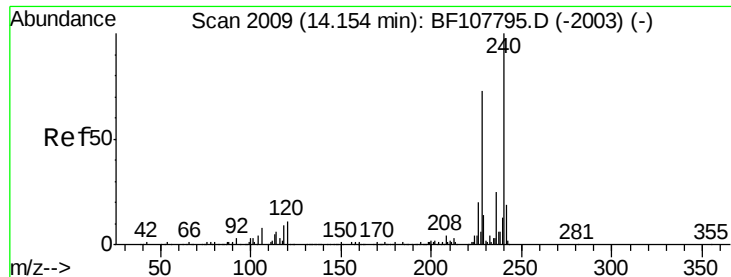
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

Instrument :

BNA_F

ClientSampleId :

PB111618BL

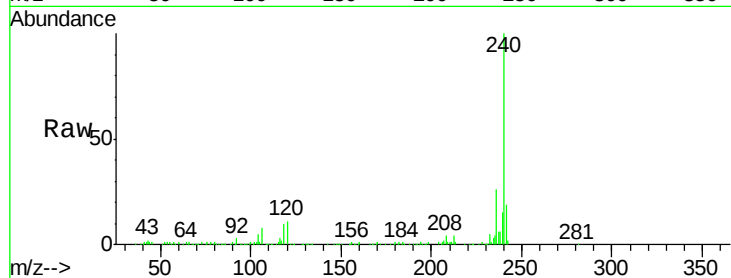
Tgt Ion:240 Resp: 362261

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

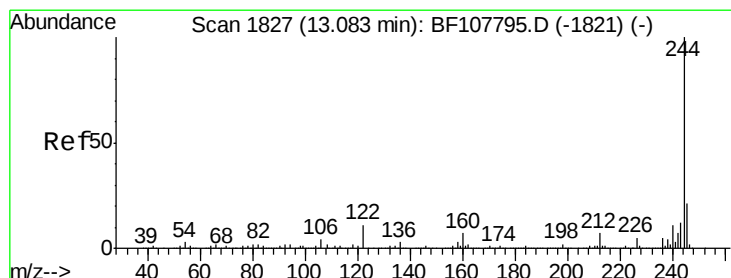
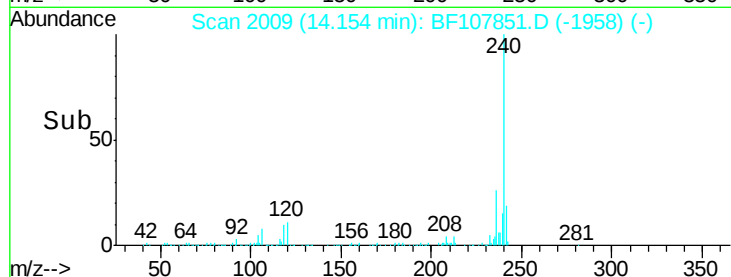
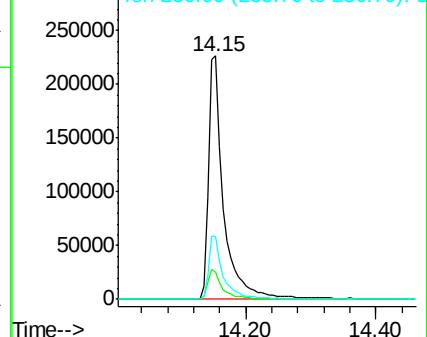
236 26.0 20.7 31.1



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: 97.308 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107851.D

Acq: 31 Jul 2018 16:06

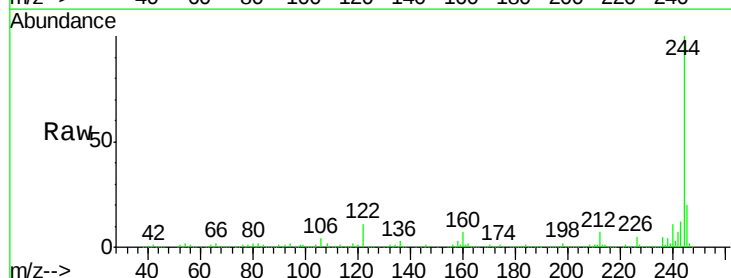
Tgt Ion:244 Resp: 1625641

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

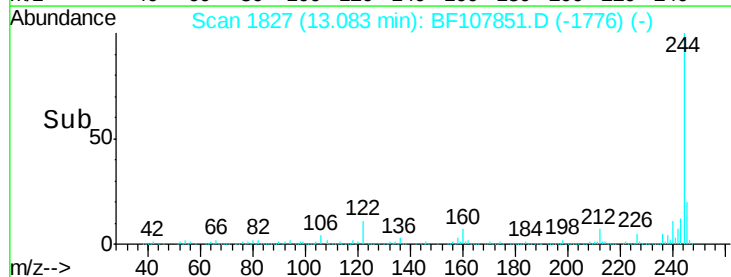
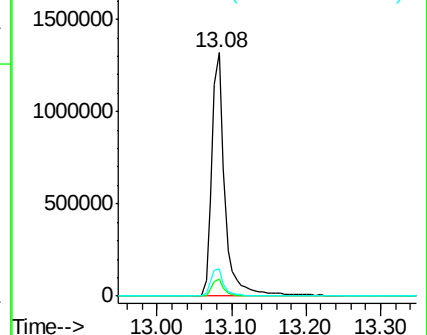
122 11.1 11.0 16.4

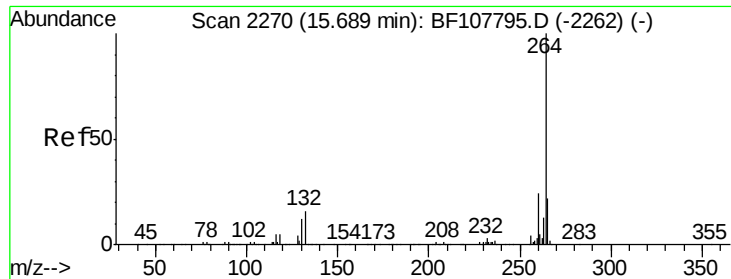


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107851.D
Acq: 31 Jul 2018 16:06

Instrument :
BNA_F
ClientSampleId :
PB111618BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.0	17.5	26.3

