

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109731.D
 Acq On : 10 Oct 2018 8:08
 Operator : JU/SJ
 Sample : J5299-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 10:53:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	70178	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	268271	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	102968	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	187997	20.00	ng	0.00
75) Chrysene-d12	13.83	240	202215	20.00	ng	0.00
86) Perylene-d12	15.23	264	156543	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	171911	43.48	ng	-0.01
7) Phenol-d6	6.34	99	162037	30.68	ng	-0.02
23) Nitrobenzene-d5	7.26	82	536500	110.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	103838	92.55	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	850435	113.75	ng	0.00
78) Terphenyl-d14	12.78	244	837667	80.19	ng	0.00

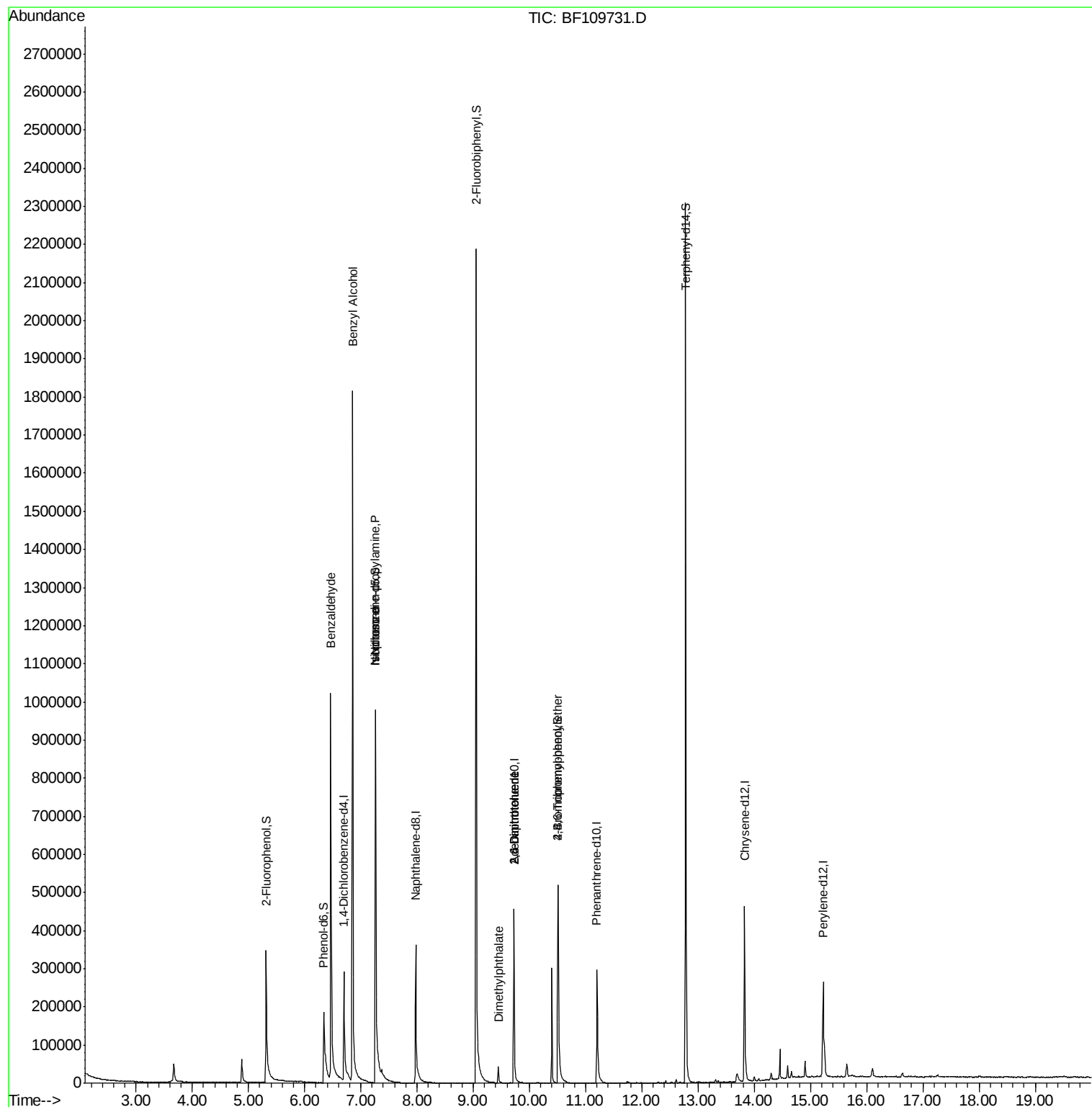
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	8430	2.480	ng	# 76
15) Benzyl Alcohol	6.85	79	8012	2.046	ng	# 49
19) n-Nitroso-di-n-propylamine	7.26	70	67510	18.227	ng	# 78
25) Isophorone	7.26	82	536500	66.386	ng	# 67
49) Dimethylphthalate	9.45	163	25188	3.335	ng	# 97
50) 2,6-Dinitrotoluene	9.72	165	12426	7.591	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	12426	6.083	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	5861	2.713	ng	# 1

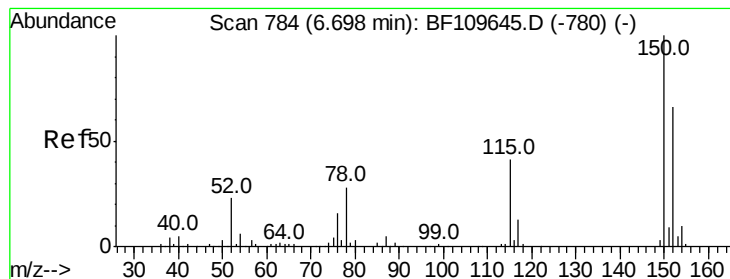
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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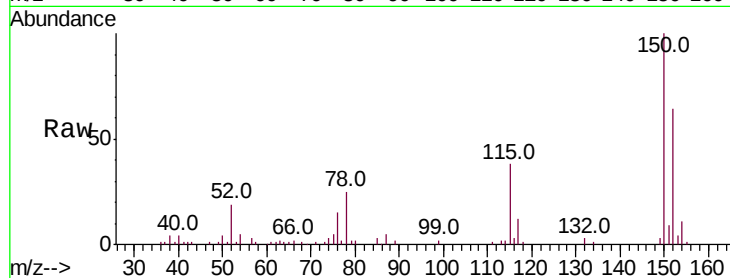


#1

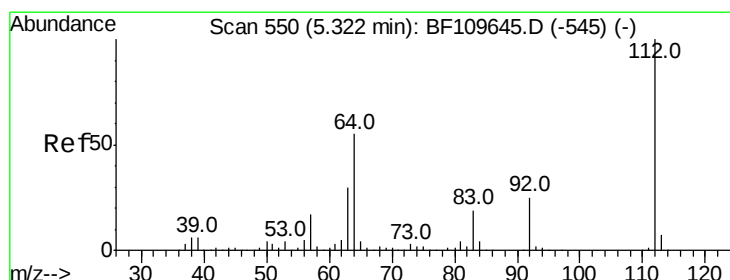
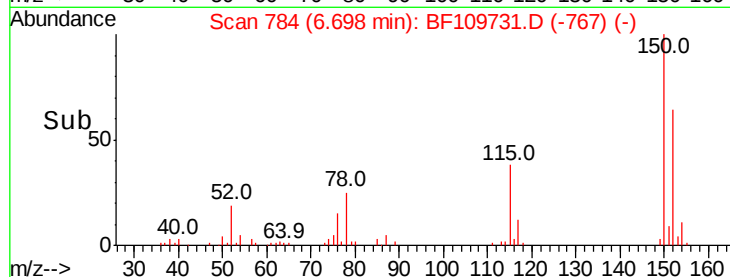
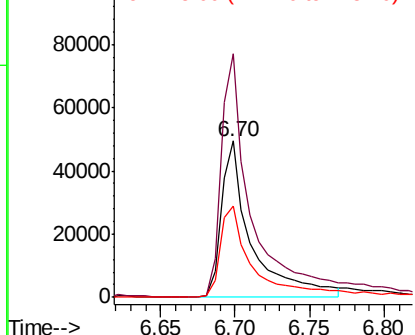
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70178
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 58.7 49.1 73.7



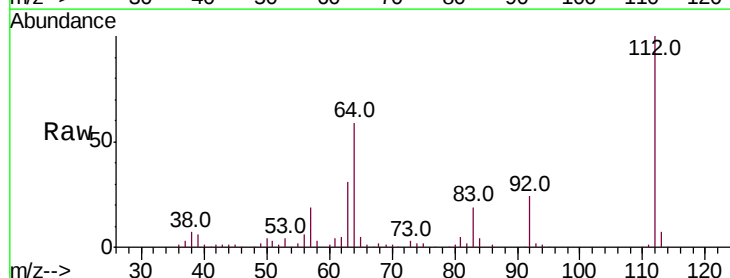
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



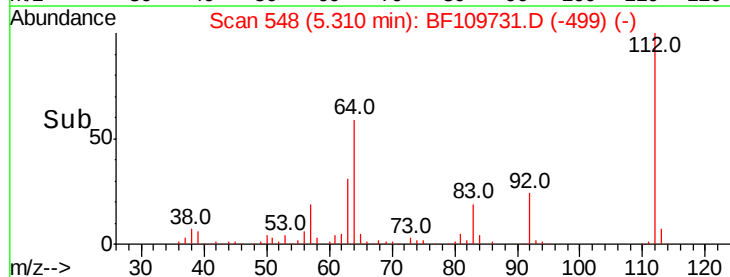
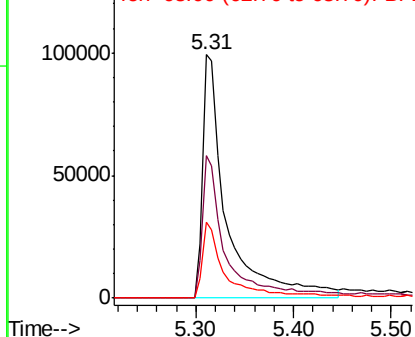
#5

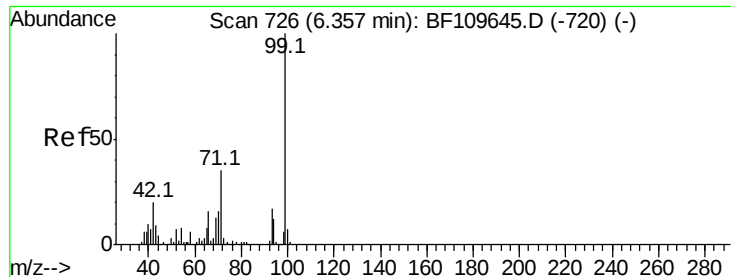
2-Fluorophenol
Concen: 43.482 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Tgt Ion:112 Resp: 171911
Ion Ratio Lower Upper
112 100
64 58.7 44.1 66.1
63 31.2 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: 30.680 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

Instrument :

BNA_F

ClientSampleId :

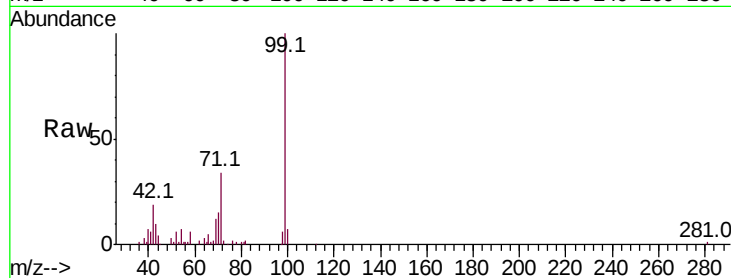
Tot Ion: 99 Resp: 162037

Ion Ratio Lower Upper

99 100

42 19.1 15.8 23.6

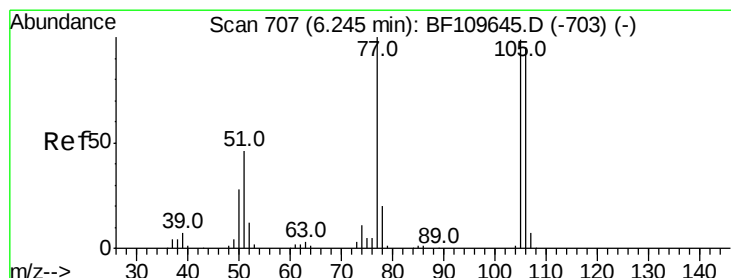
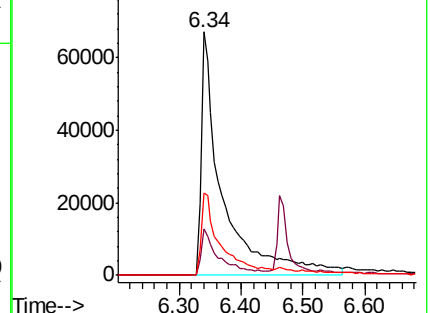
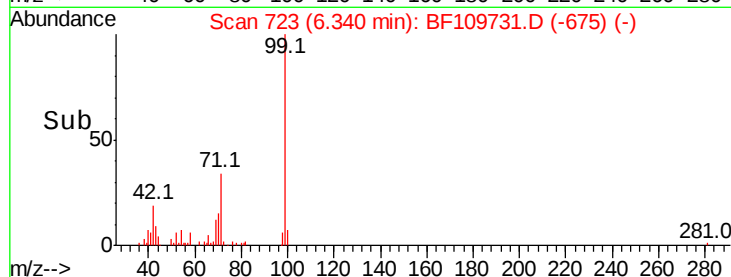
71 33.7 28.0 42.0



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: 2.480 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

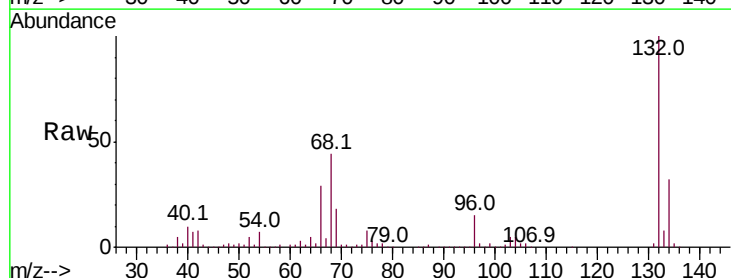
Tgt Ion: 77 Resp: 8430

Ion Ratio Lower Upper

77 100

105 75.5 78.6 118.6#

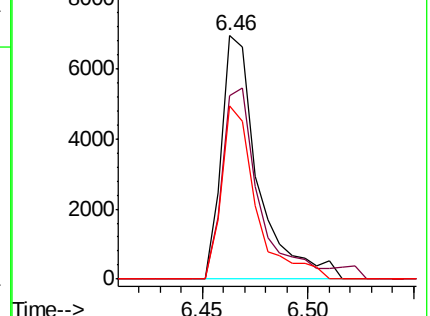
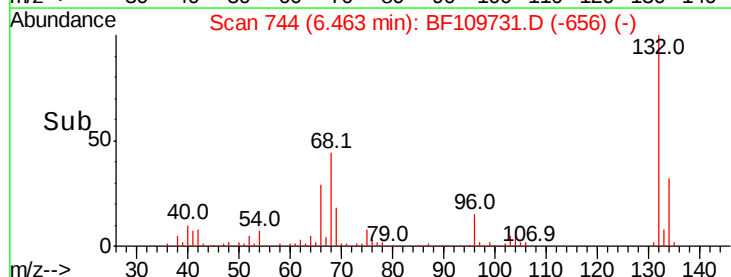
106 71.3 74.8 114.8#

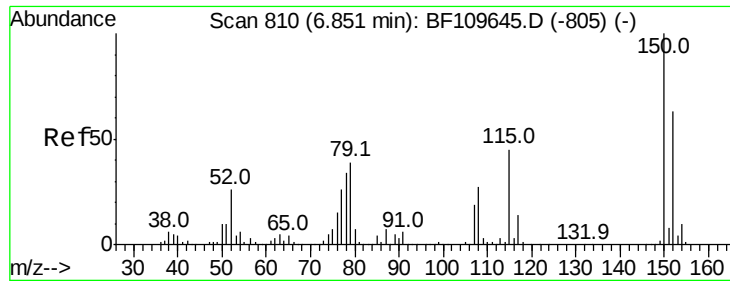


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

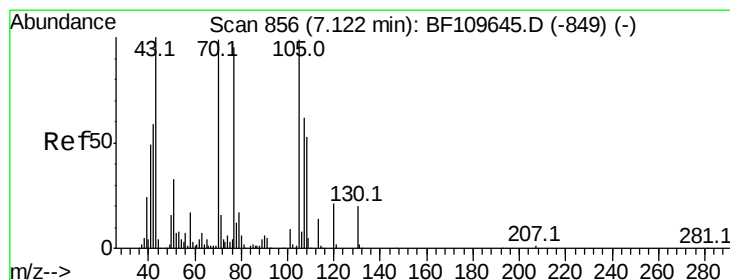
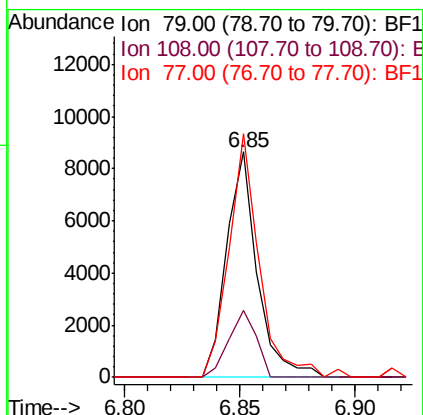
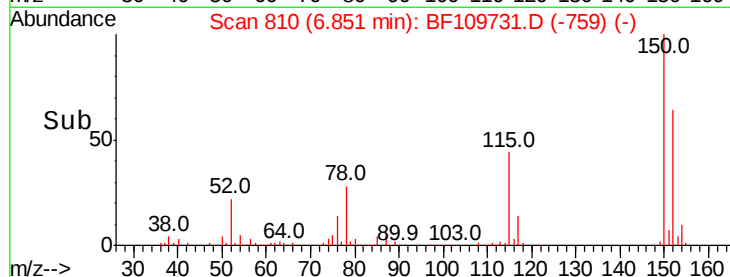
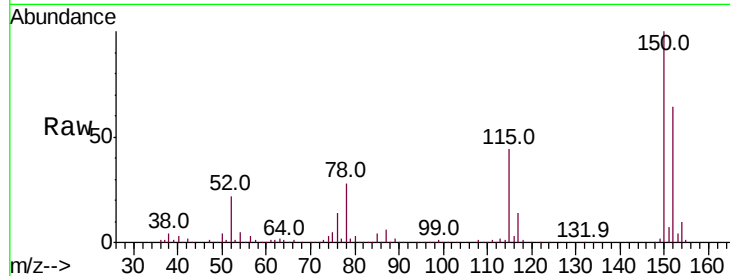




#15
Benzyl Alcohol
Concen: 2.046 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

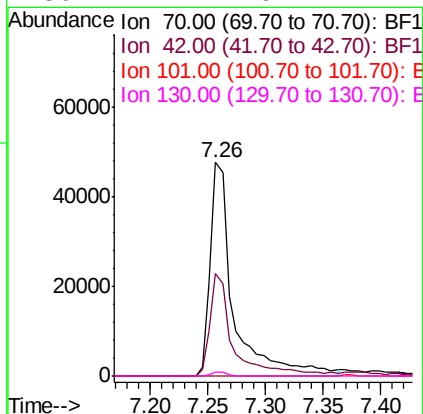
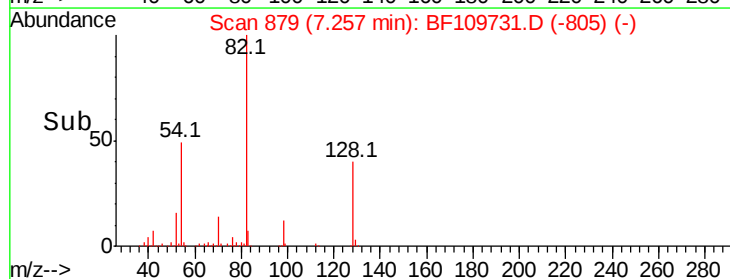
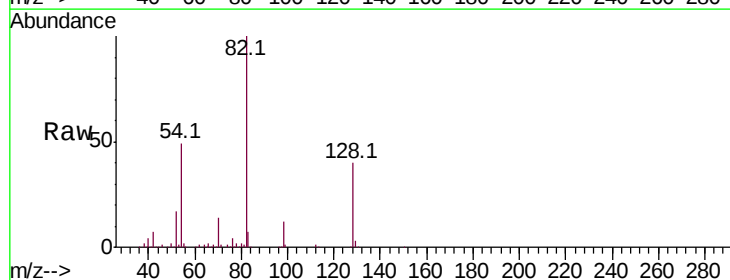
Instrument :
BNA_F
ClientSampleId :

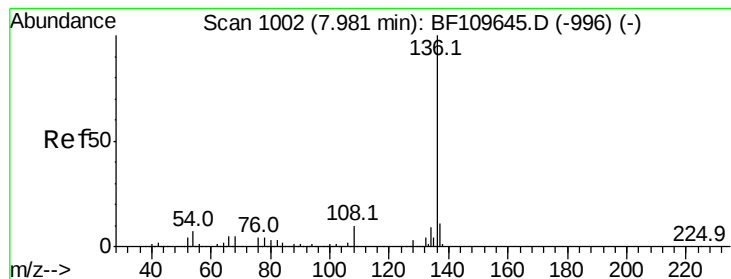
Tot Ion: 79 Resp: 8012
Ion Ratio Lower Upper
79 100
108 29.9 56.3 84.5#
77 107.9 52.9 79.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.227 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.14 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Tgt Ion: 70 Resp: 67510
Ion Ratio Lower Upper
70 100
42 47.8 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 268271

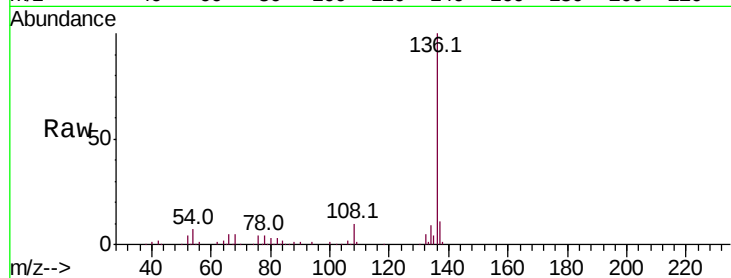
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.6 5.4 8.2

68 5.4 4.2 6.2

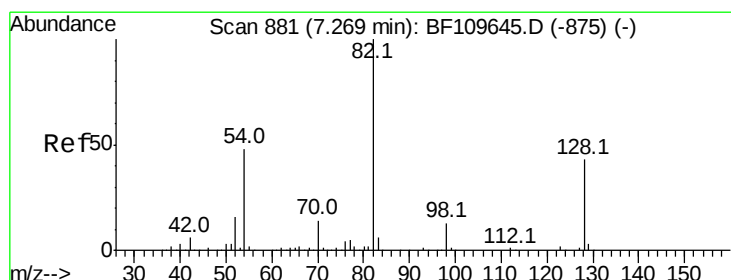
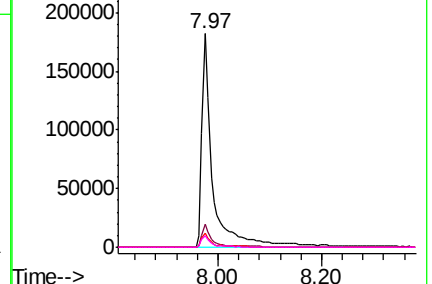
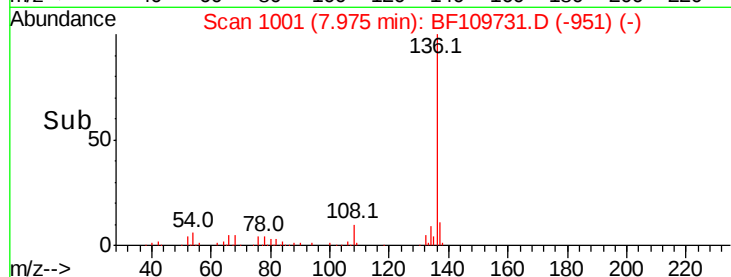


Abundance Ion 136.00 (135.70 to 136.70): E

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: 110.238 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

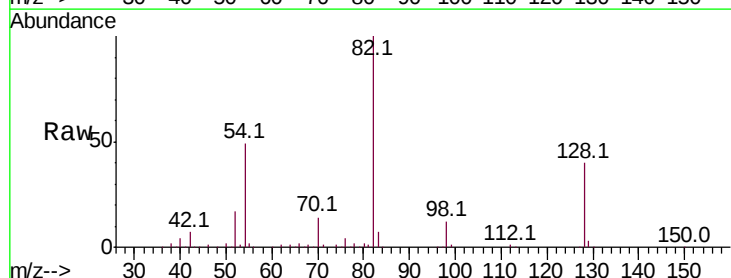
Tgt Ion: 82 Resp: 536500

Ion Ratio Lower Upper

82 100

128 40.3 34.2 51.2

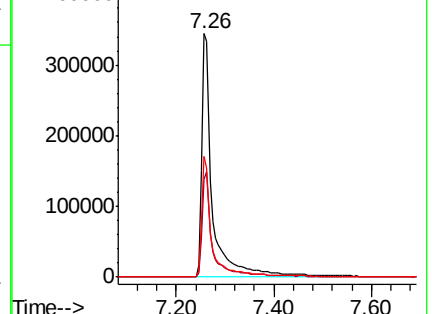
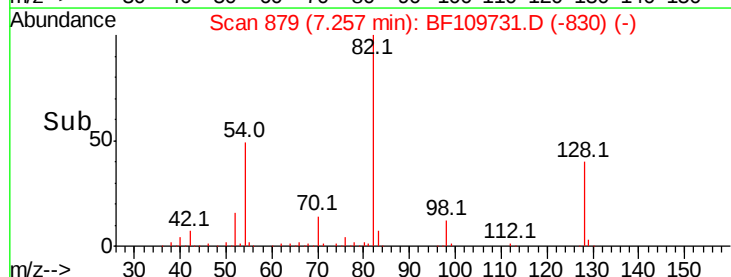
54 49.5 38.6 58.0

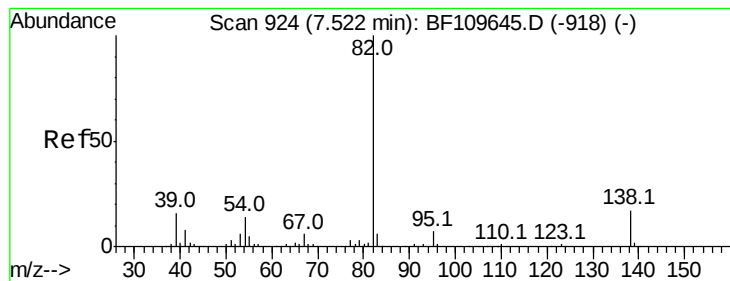


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 66.386 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

Instrument :

BNA_F

ClientSampled :

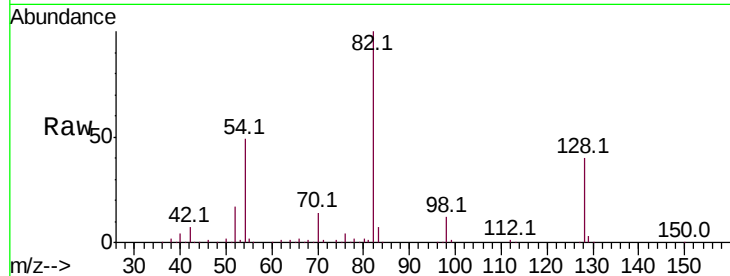
Tot Ion: 82 Resp: 536500

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

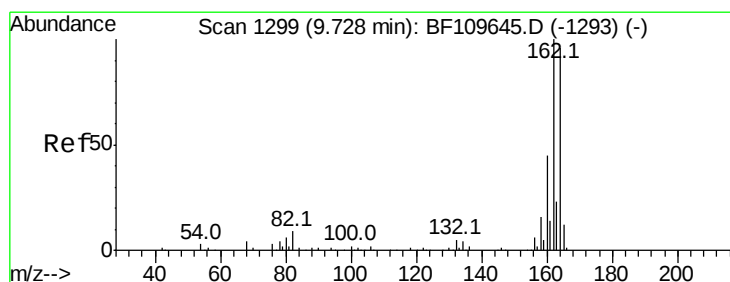
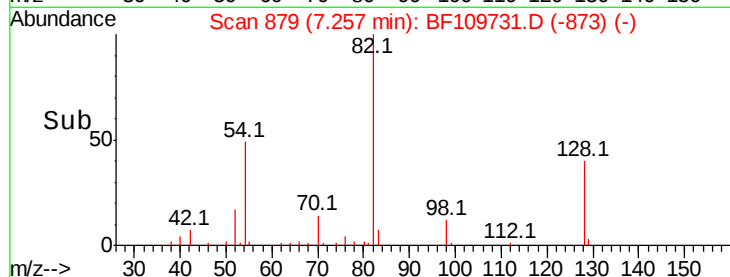
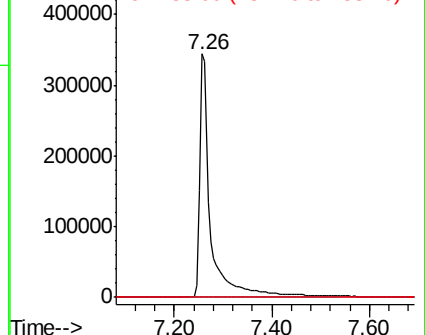
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

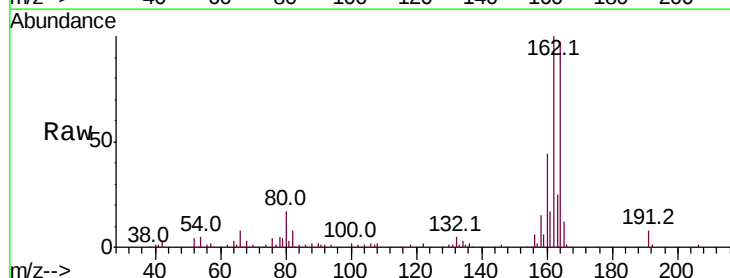
Tgt Ion:164 Resp: 102968

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.6

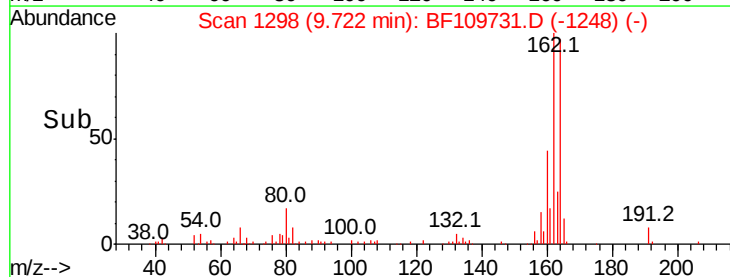
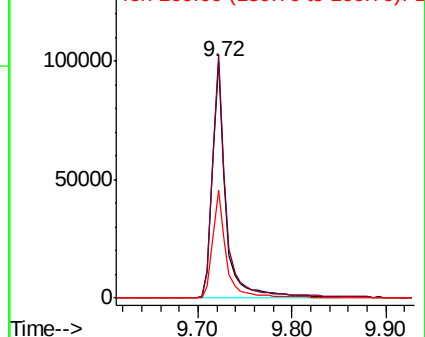
160 45.8 37.0 55.6

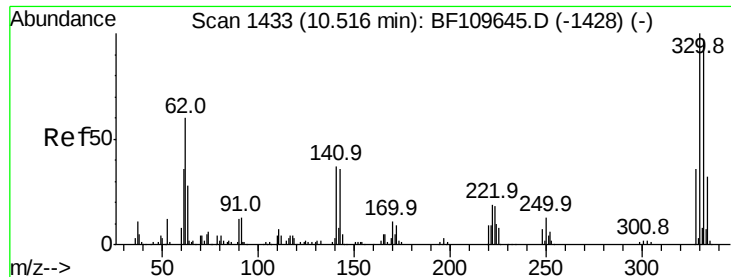


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

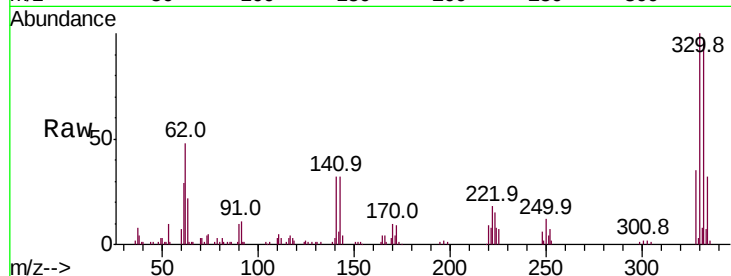




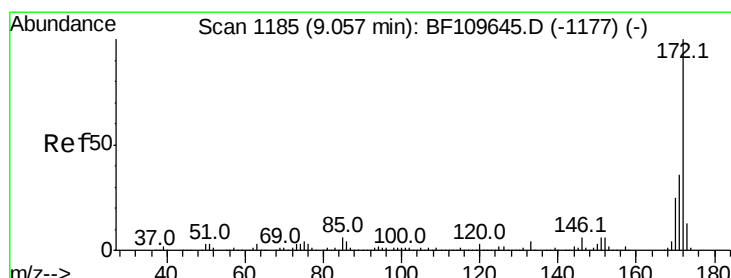
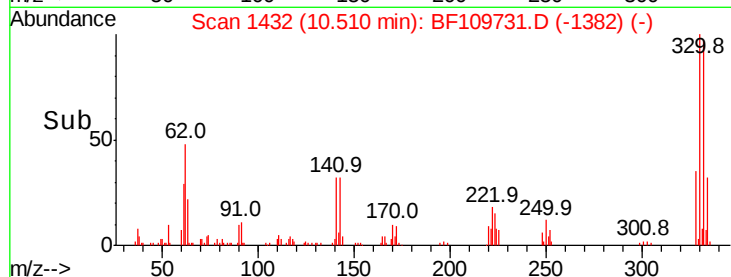
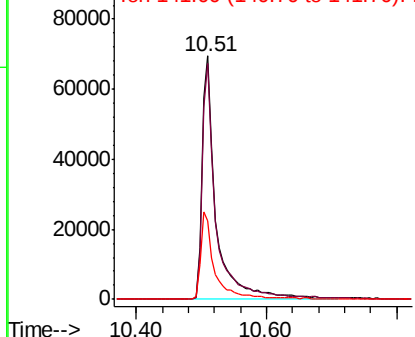
#41
2,4,6-Tribromophenol
Concen: 92.552 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	35.2	27.0	40.4

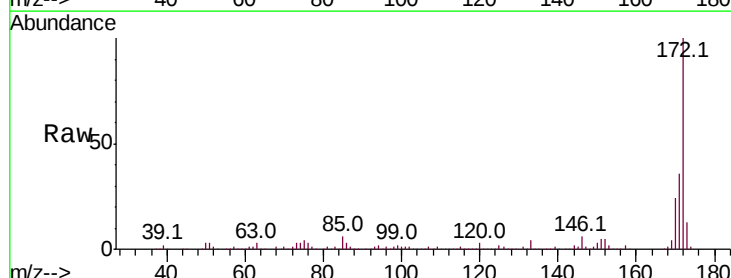


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

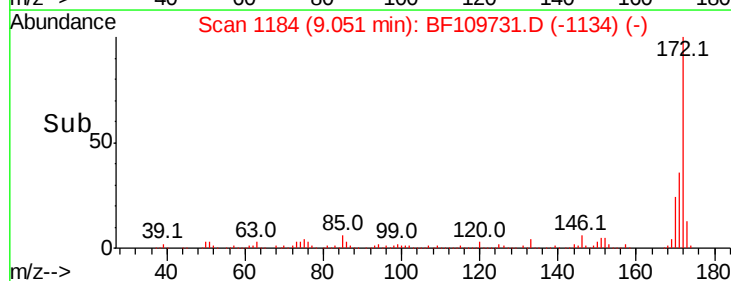
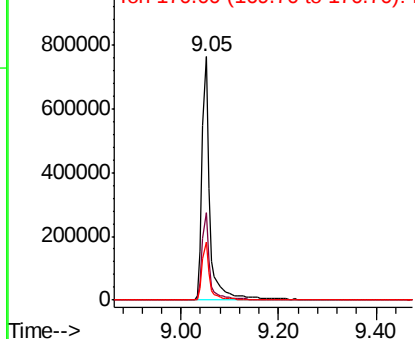


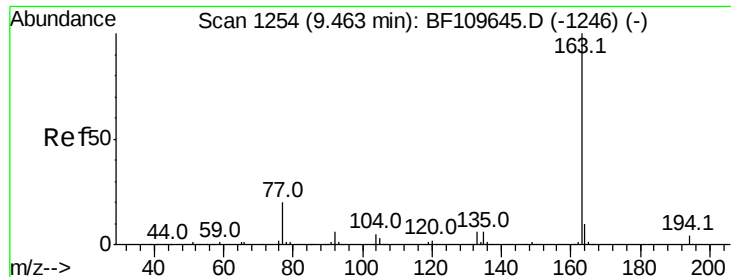
#44
2-Fluorobiphenyl
Concen: 113.750 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.1	19.7	29.5



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

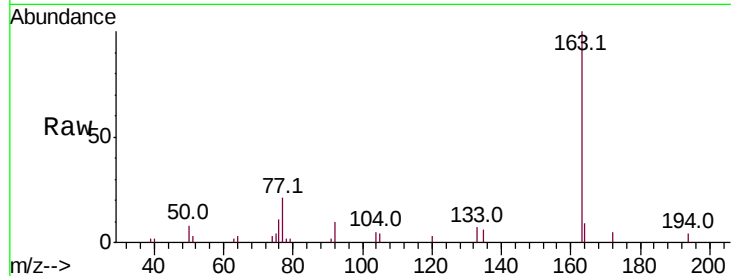




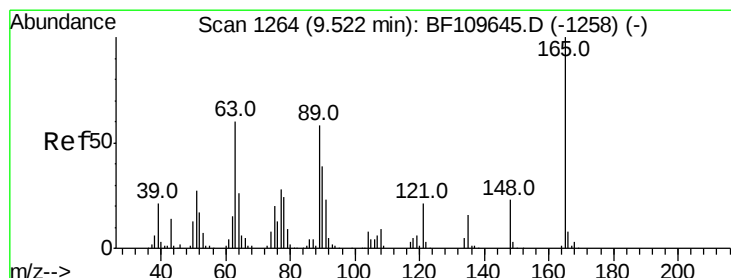
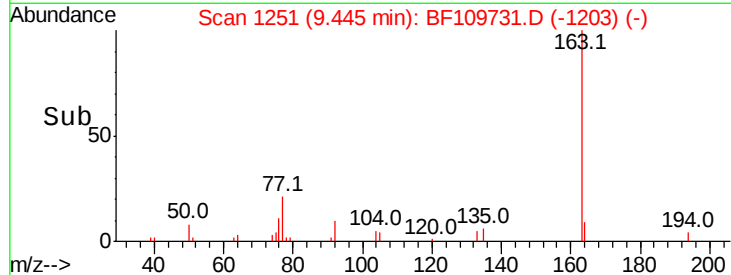
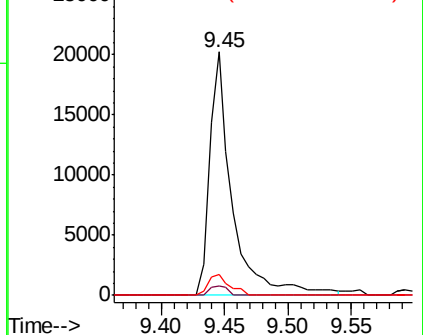
#49
Dimethylphthalate
Concen: 3.335 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	8.8	8.1	12.1

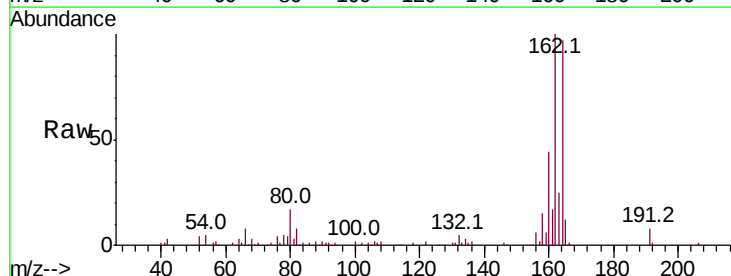


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

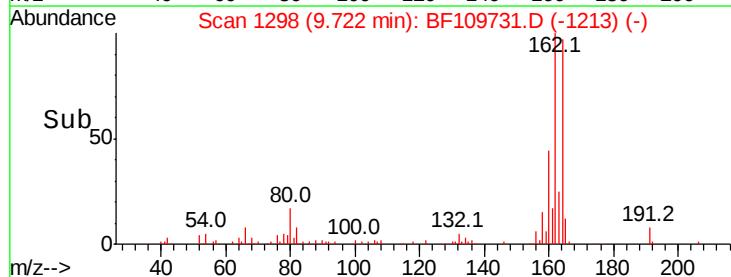
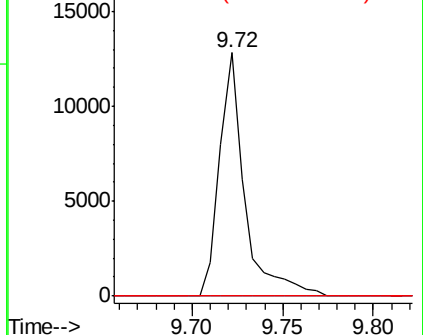


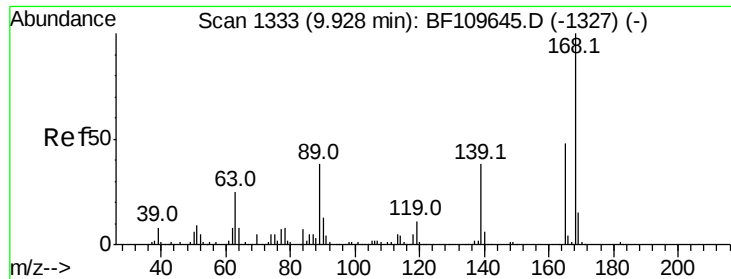
#50
2,6-Dinitrotoluene
Concen: 7.591 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



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

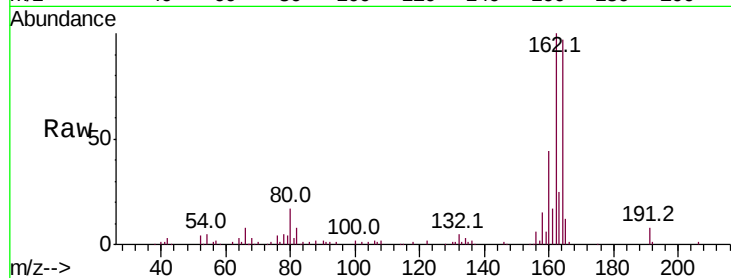




#56
2,4-Dinitrotoluene
Concen: 6.083 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

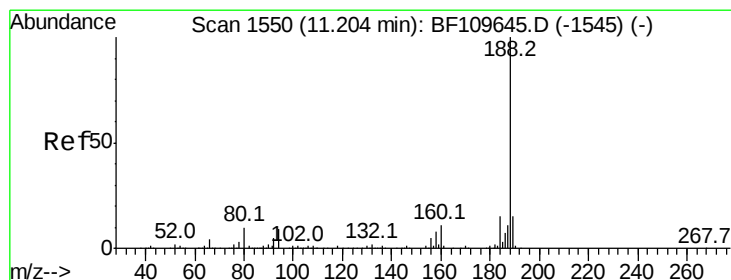
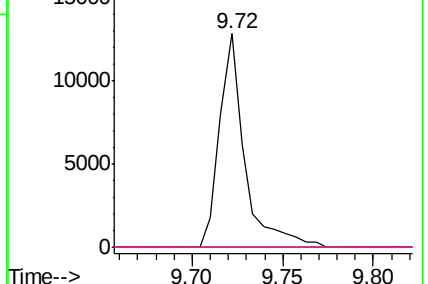
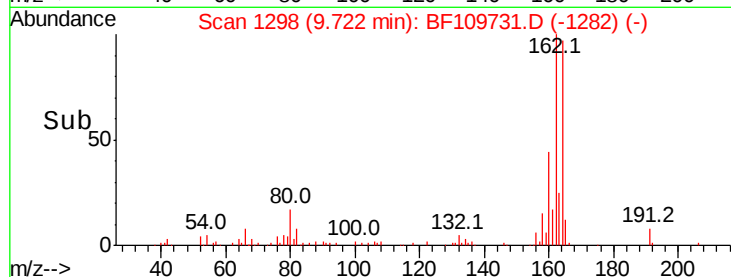


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

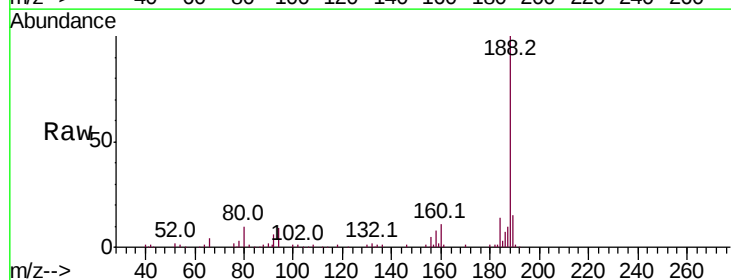
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109731.D
Acq: 10 Oct 2018 8:08

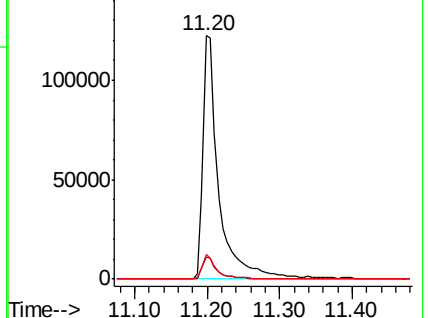
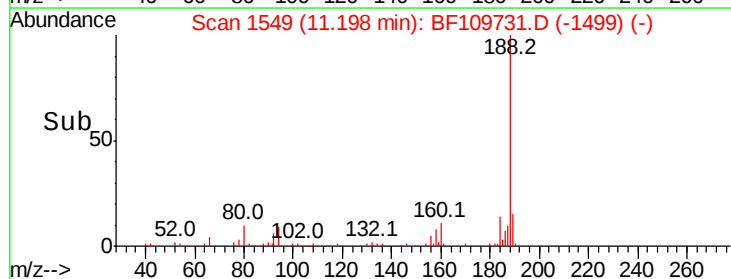
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.2	7.9	11.9

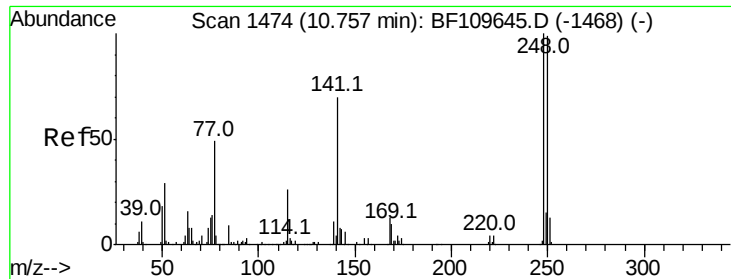


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

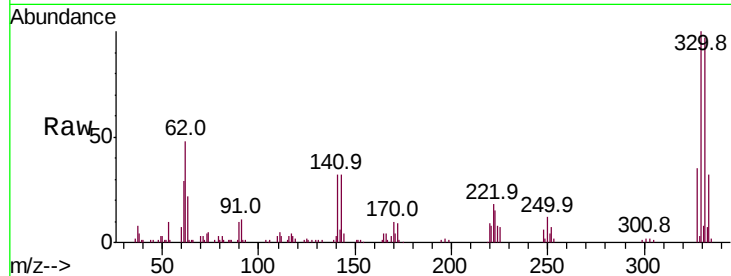




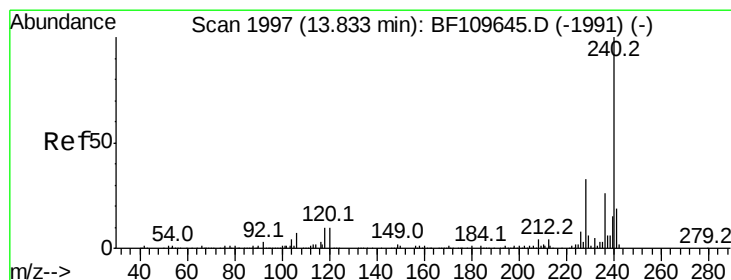
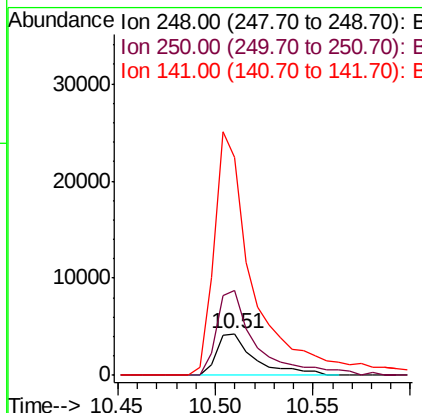
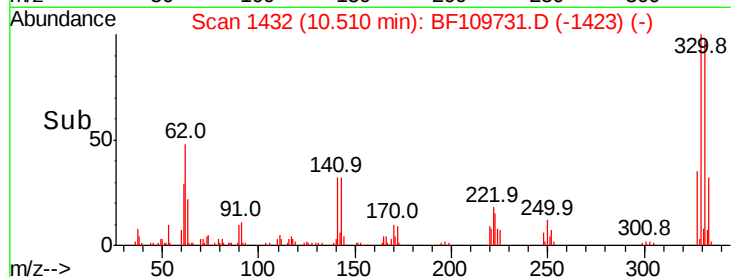
#66
 4-Bromophenyl-phenylether
 Concen: 2.713 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109731.D
 Acq: 10 Oct 2018 8:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5861
 Ion Ratio Lower Upper
 248 100
 250 203.7 79.4 119.2#
 141 528.2 55.9 83.9#

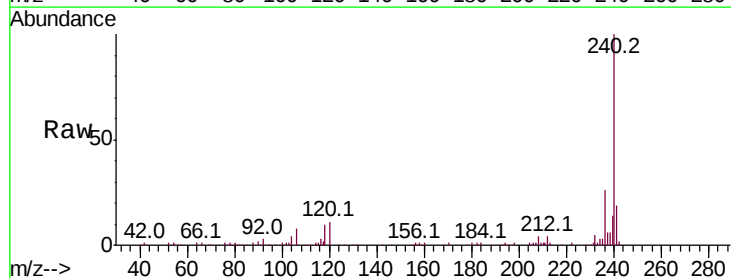


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

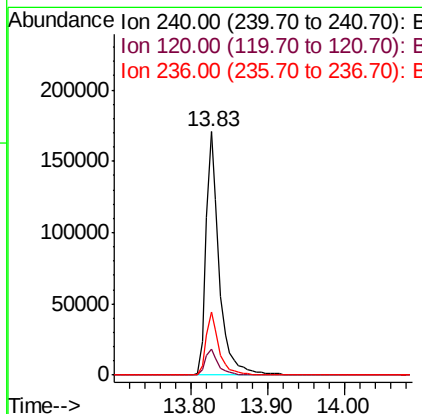
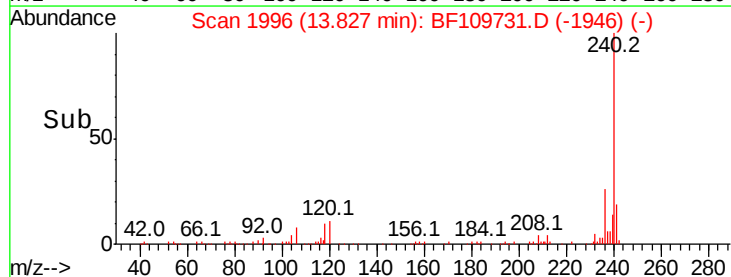


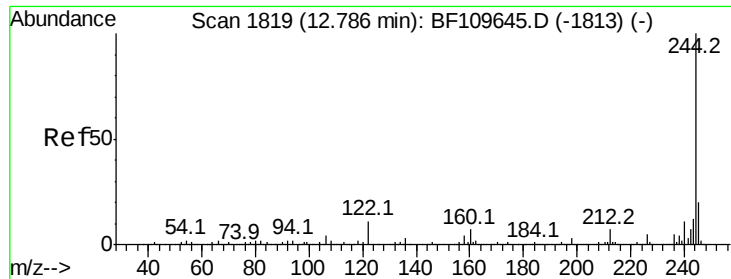
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109731.D
 Acq: 10 Oct 2018 8:08

Tgt Ion:240 Resp: 202215
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.3 12.5
 236 26.0 21.2 31.8



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: 80.191 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

Instrument :

BNA_F

ClientSampled :

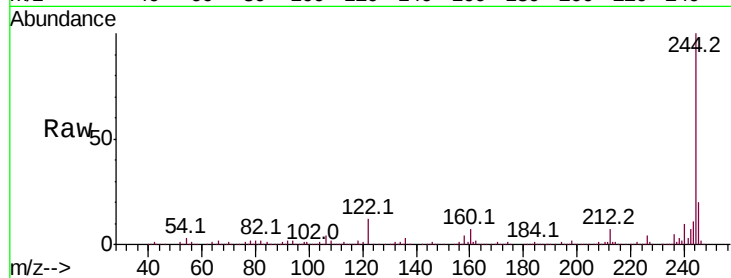
Tot Ion:244 Resp: 837667

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

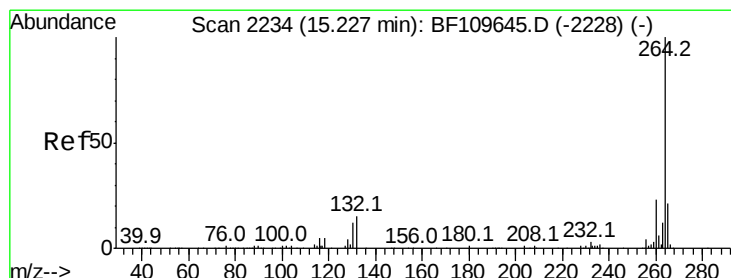
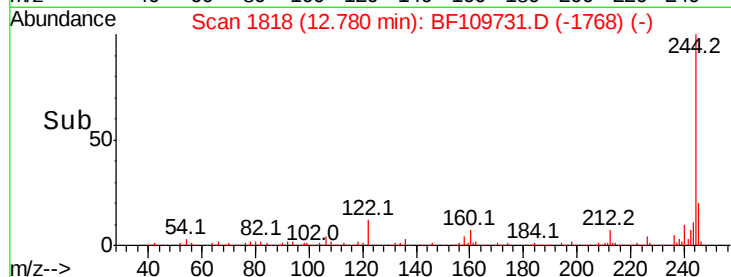
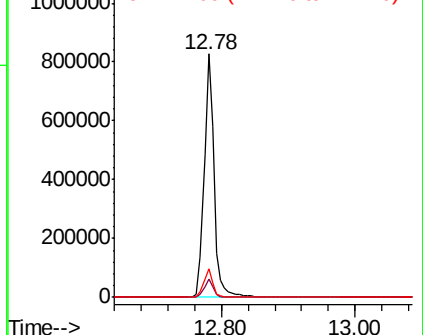
122 11.7 8.7 13.1



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: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109731.D

Acq: 10 Oct 2018 8:08

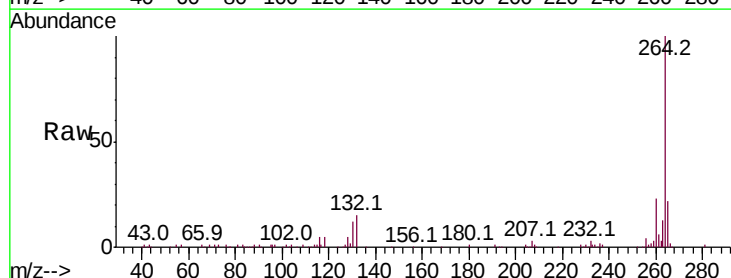
Tgt Ion:264 Resp: 156543

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.7 16.7 25.1



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

