

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108161.D
 Acq On : 15 Aug 2018 13:10
 Operator : JU/SJ
 Sample : J4447-26RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 14:04:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

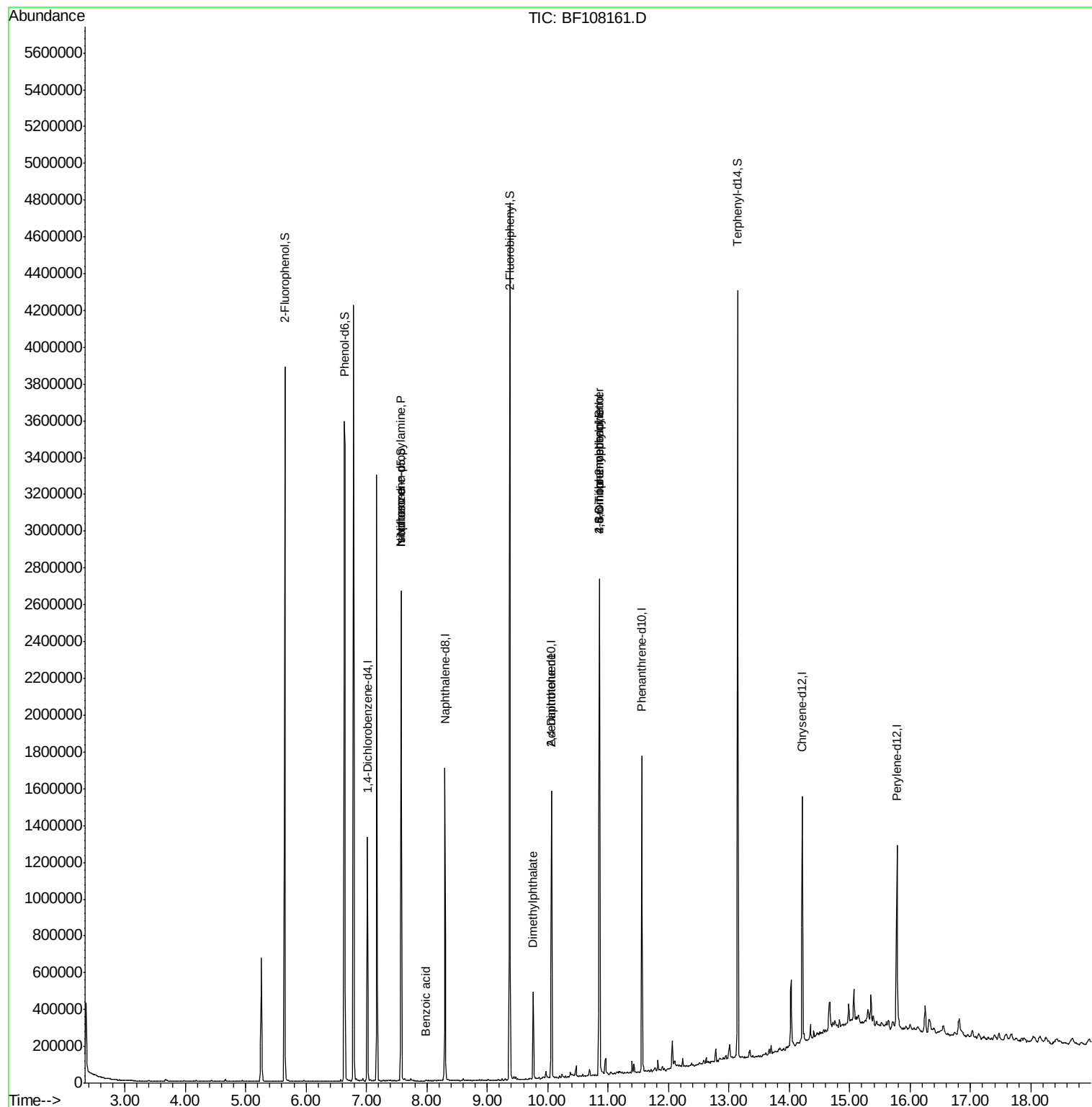
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	177969	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	664829	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	330255	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	578536	20.00	ng	0.00
75) Chrysene-d12	14.21	240	456506	20.00	ng	0.00
86) Perylene-d12	15.78	264	483509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	948354	96.47	ng	0.02
7) Phenol-d6	6.64	99	1279073	97.92	ng	0.00
23) Nitrobenzene-d5	7.58	82	843214	70.77	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	339166	102.96	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1559589	75.82	ng	0.00
78) Terphenyl-d14	13.15	244	1395844	77.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	115282	13.051	ng	# 84
25) Isophorone	7.58	82	843205	37.131	ng	# 64
32) Benzoic acid	7.97	122	122	5.993	ng	# 74
49) Dimethylphthalate	9.77	163	188392	8.189	ng	# 99
56) 2,4-Dinitrotoluene	10.06	165	42072	6.791	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	678	5.636	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	22902	3.643	ng	# 1

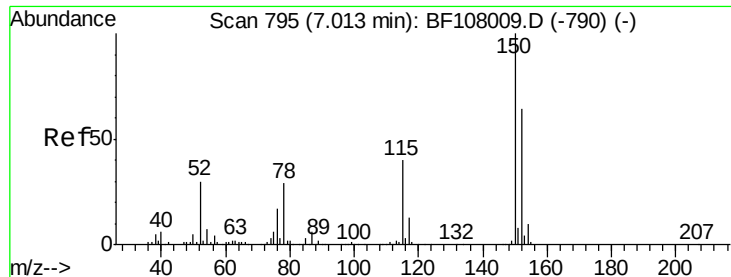
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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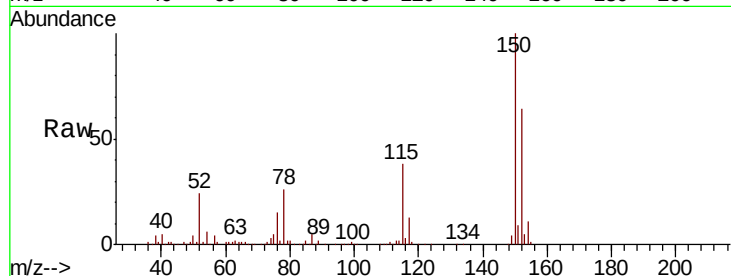


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	58.4	50.1	75.1

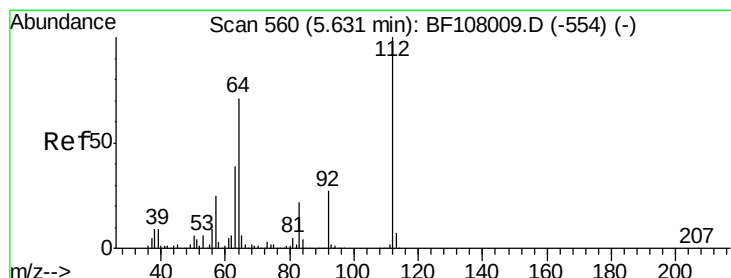
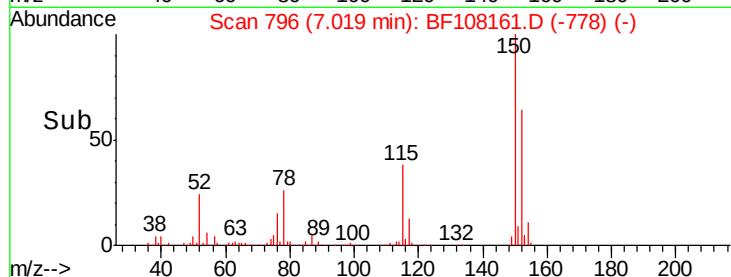
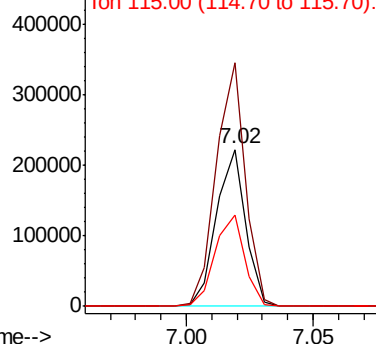


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

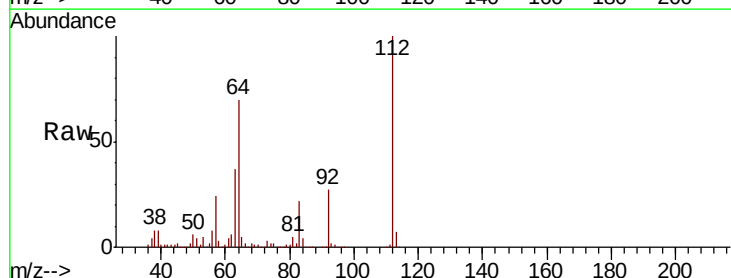
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.475 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.4	23.7	35.5

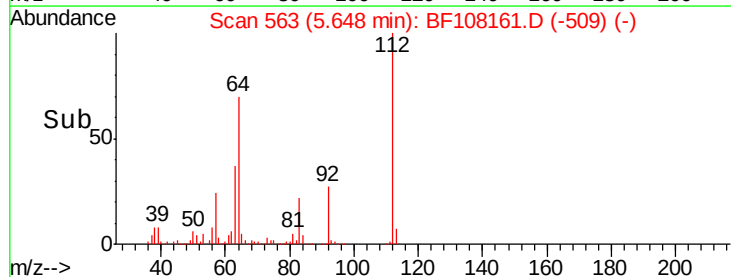
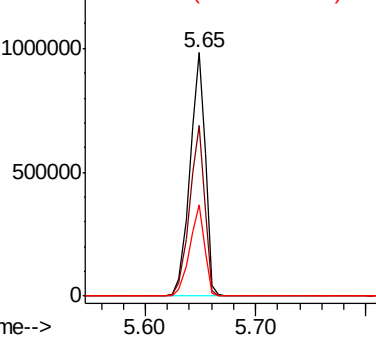


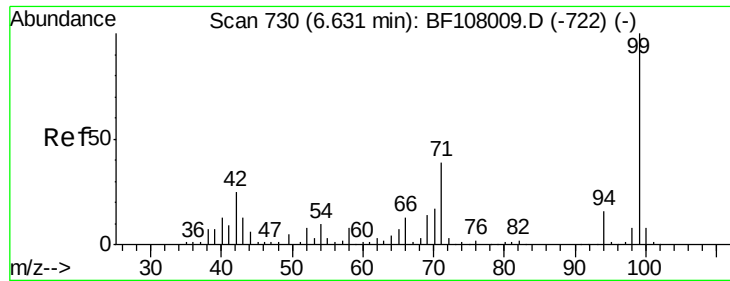
Abundance

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: 97.917 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Instrument :

BNA_F

ClientSampleId :

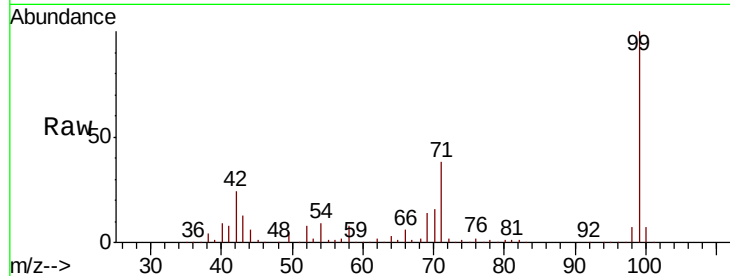
Tot Ion: 99 Resp: 1279073

Ion Ratio Lower Upper

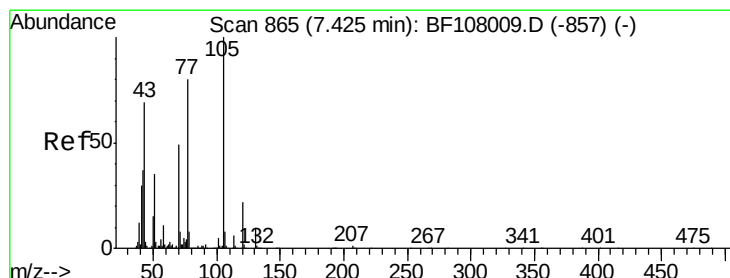
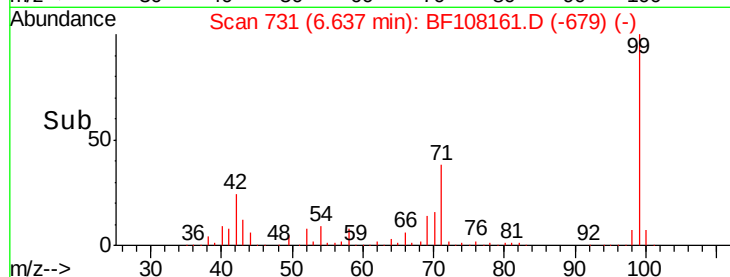
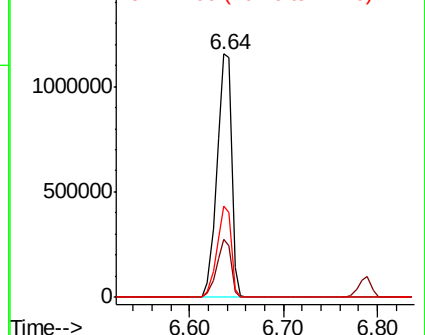
99 100

42 23.8 14.5 21.7#

71 37.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.051 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Tgt Ion: 70 Resp: 115282

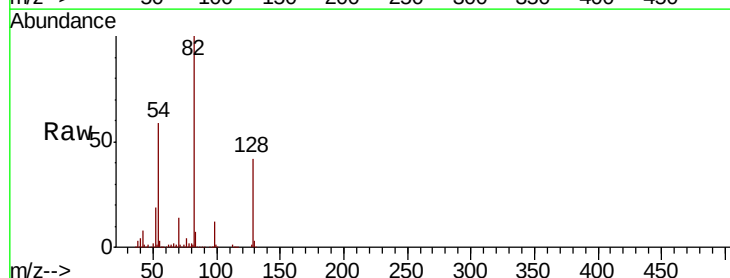
Ion Ratio Lower Upper

70 100

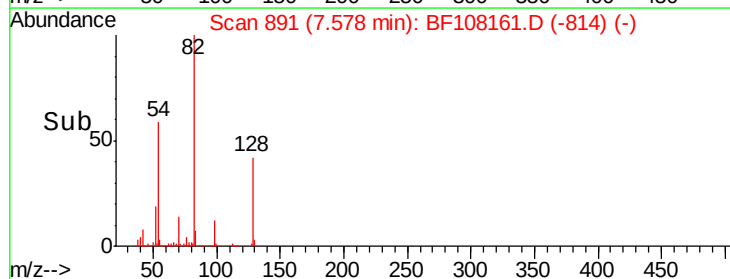
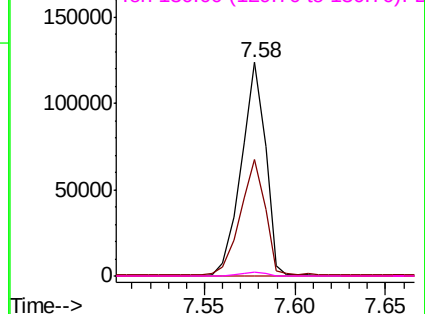
42 54.4 47.5 71.3

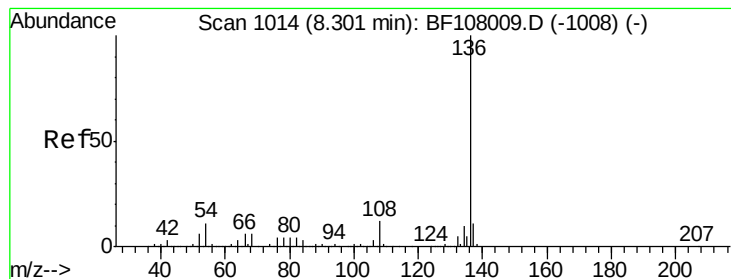
101 0.0 7.4 11.2#

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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108161.D

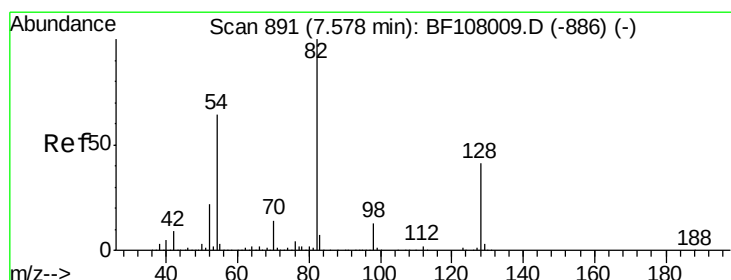
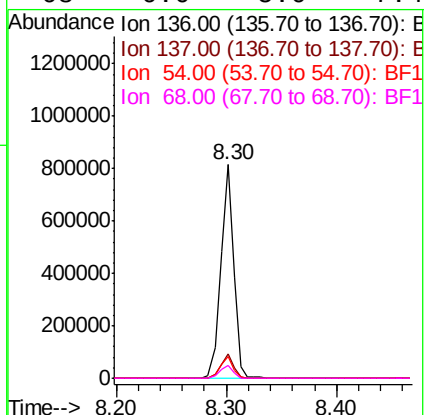
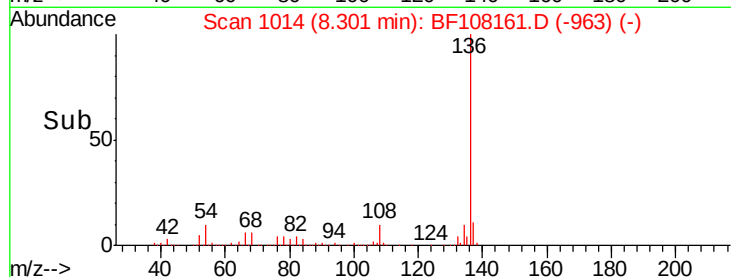
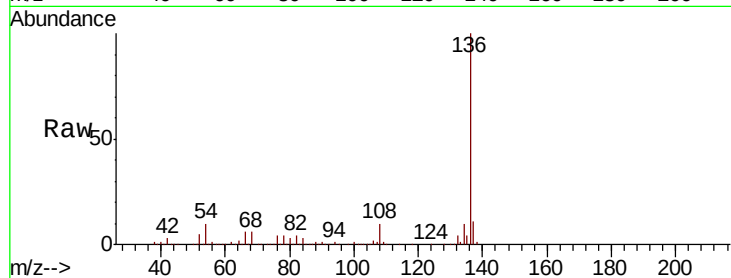
Acq: 15 Aug 2018 13:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	664829
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	10.0	6.6 9.8#
68	6.0	5.0 7.4



#23

Nitrobenzene-d5

Concen: 70.774 ng

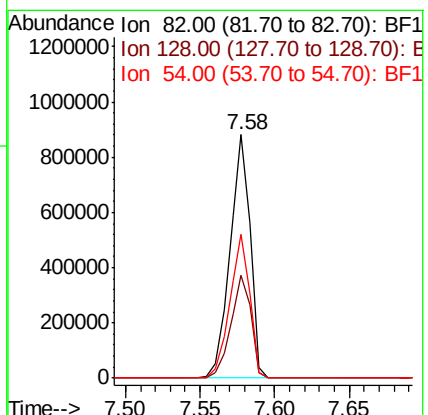
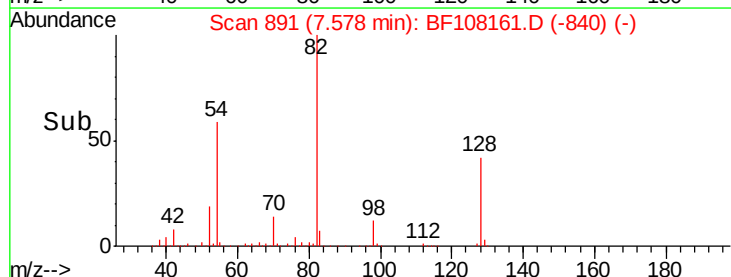
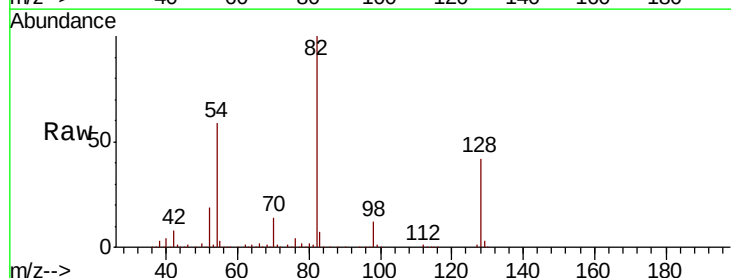
RT: 7.58 min Scan# 891

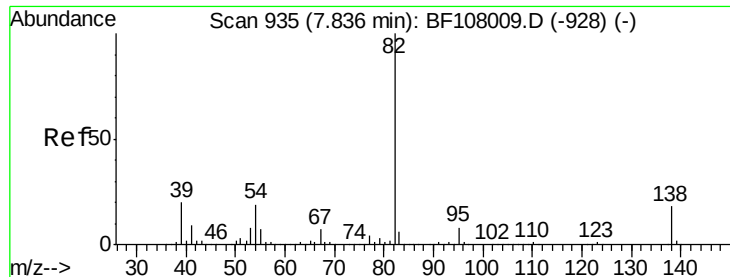
Delta R.T. 0.00 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Tgt Ion: 82	Resp:	843214
Ion	Ratio	Lower Upper
82	100	
128	42.1	36.1 54.1
54	59.1	41.4 62.2





#25

Isophorone

Concen: 37.131 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Instrument :

BNA_F

ClientSampled :

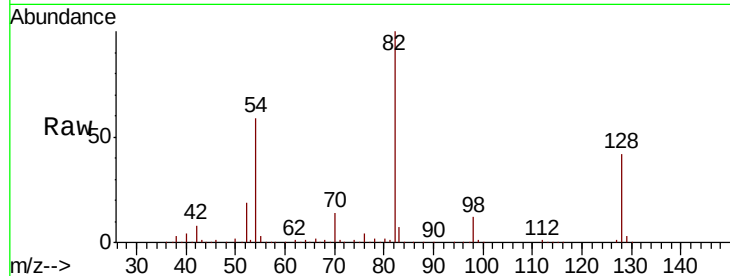
Tot Ion: 82 Resp: 843205

Ion Ratio Lower Upper

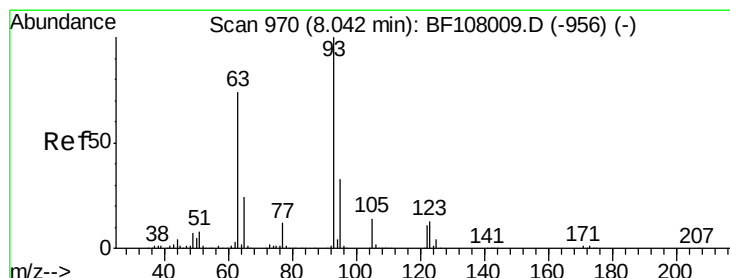
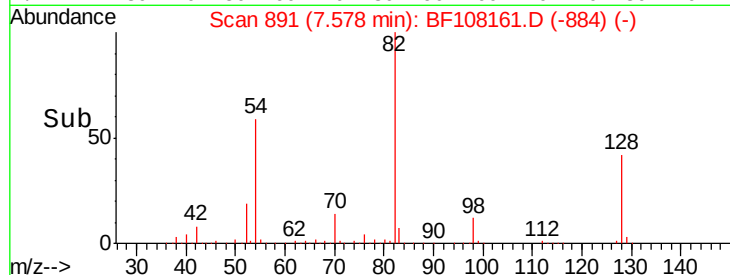
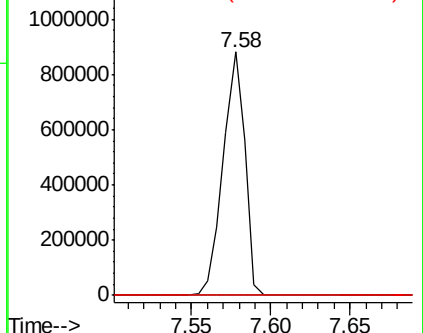
82 100

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



#32

Benzoic acid

Concen: 5.993 ng

RT: 7.97 min Scan# 958

Delta R.T. -0.07 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

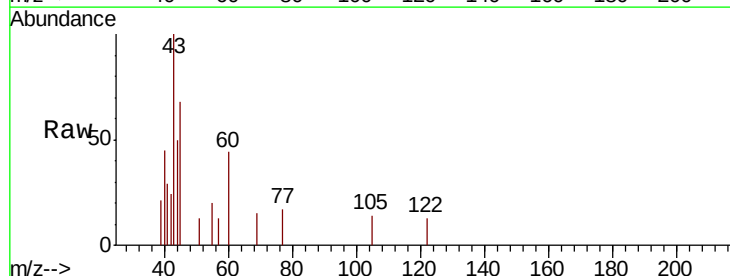
Tgt Ion:122 Resp: 122

Ion Ratio Lower Upper

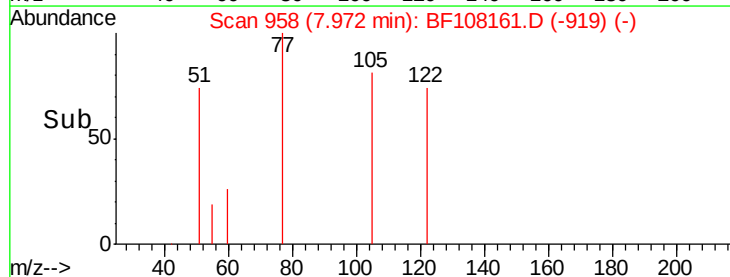
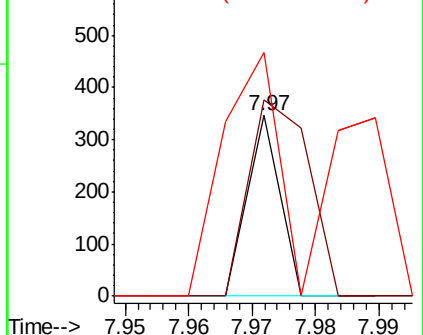
122 100

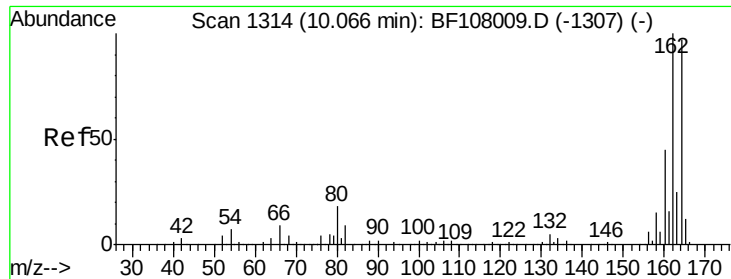
105 109.0 101.1 141.1

77 135.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Instrument :

BNA_F

ClientSampleId :

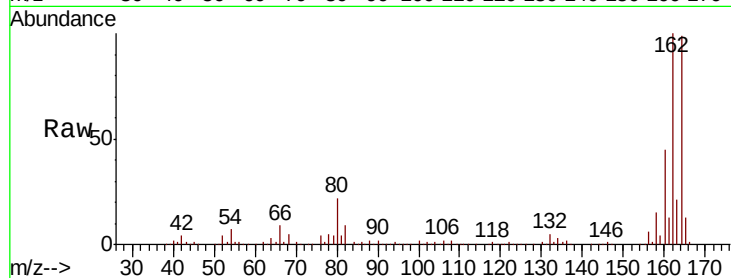
Tot Ion:164 Resp: 330255

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

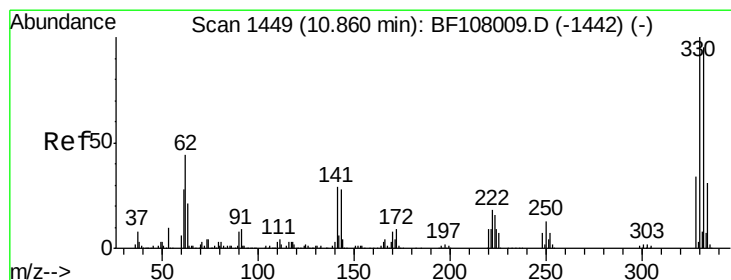
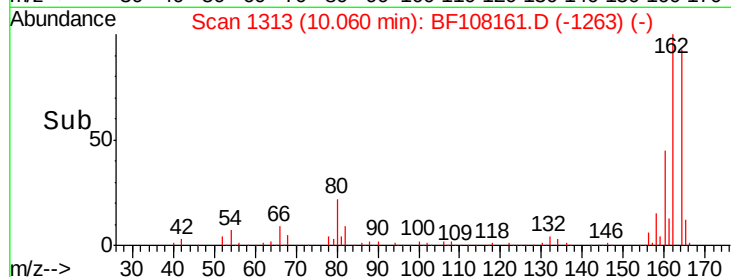
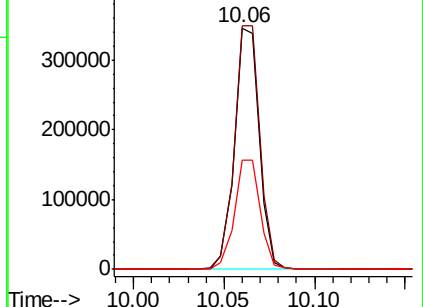
160 45.1 38.3 57.5



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: 102.958 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

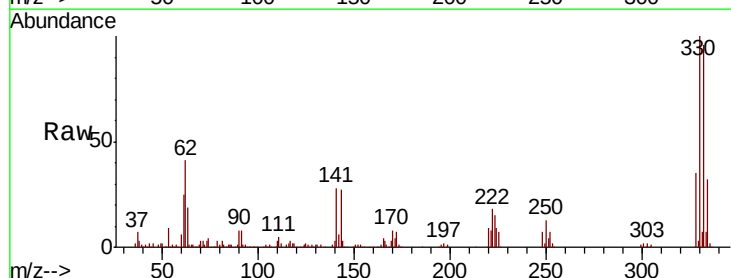
Tgt Ion:330 Resp: 339166

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

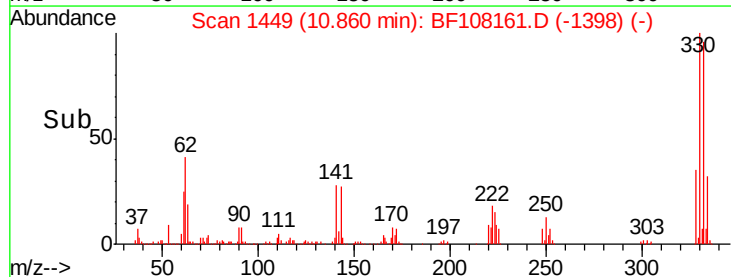
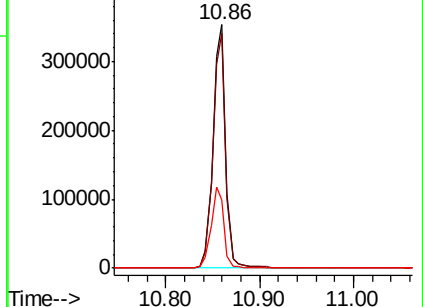
141 33.7 29.9 44.9

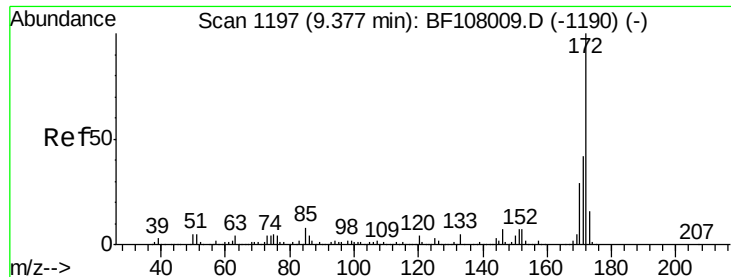


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.816 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

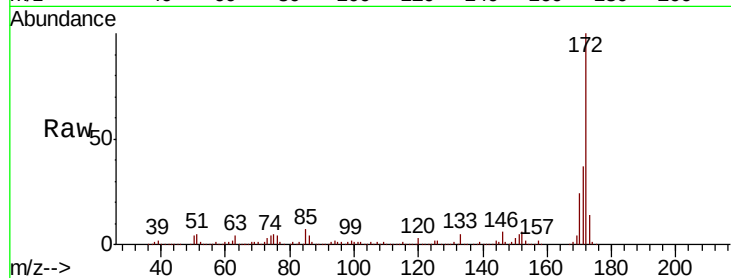
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1559589

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

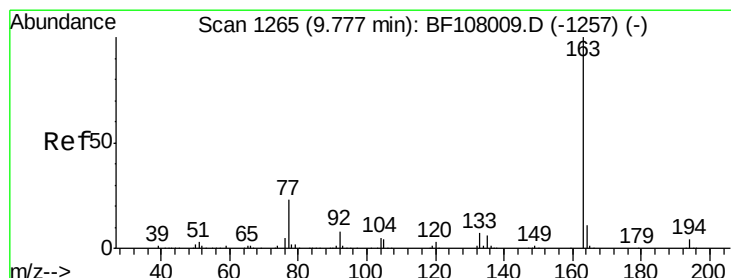
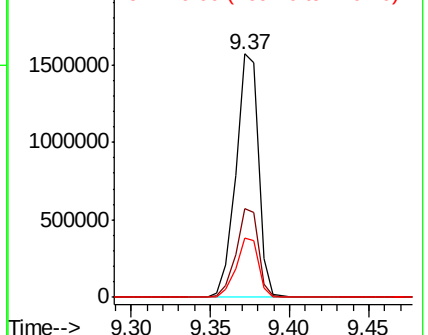
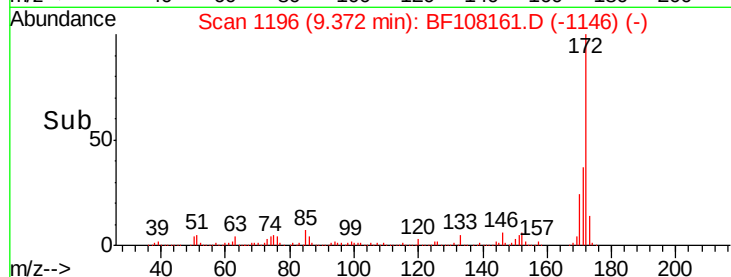


Abundance

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: 8.189 ng

RT: 9.77 min Scan# 1263

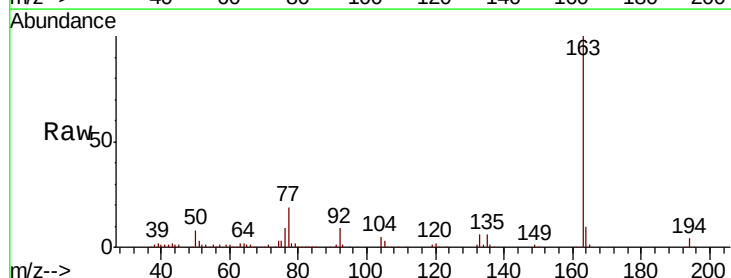
Delta R.T. -0.01 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Tgt Ion:163 Resp: 188392

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.9	8.2	12.2

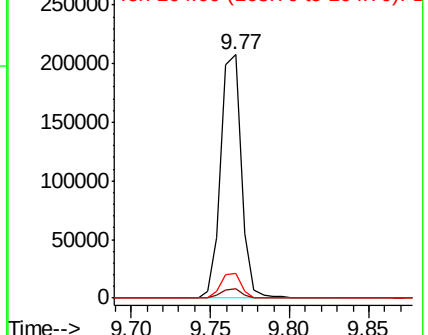
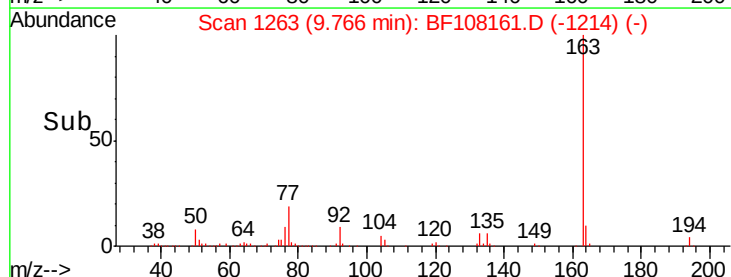


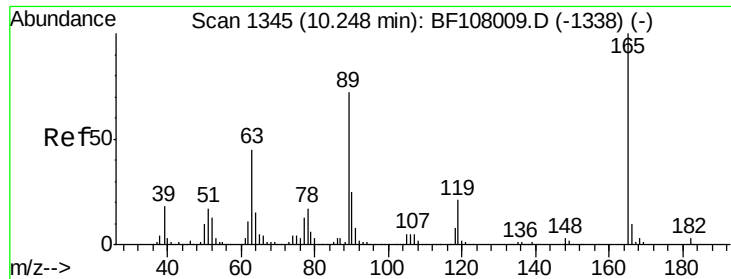
Abundance

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

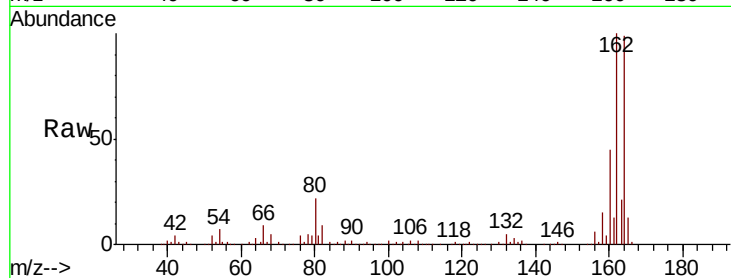




#56
2,4-Dinitrotoluene
Concen: 6.791 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

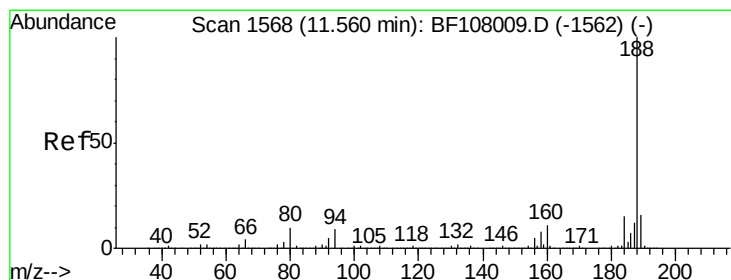
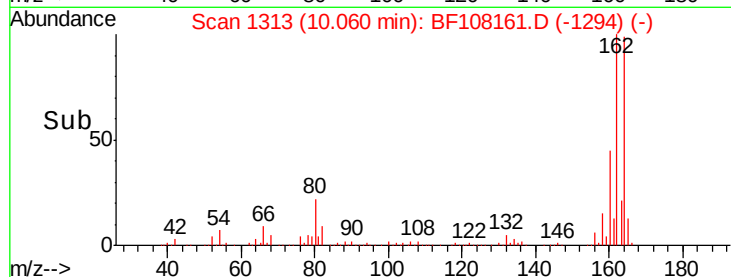
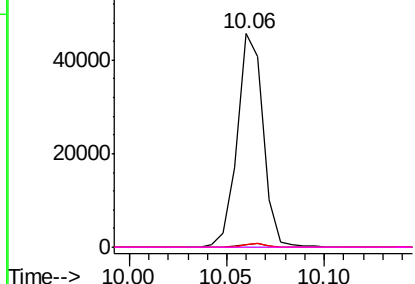


Abundance Ion 165.00 (164.70 to 165.70): E

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



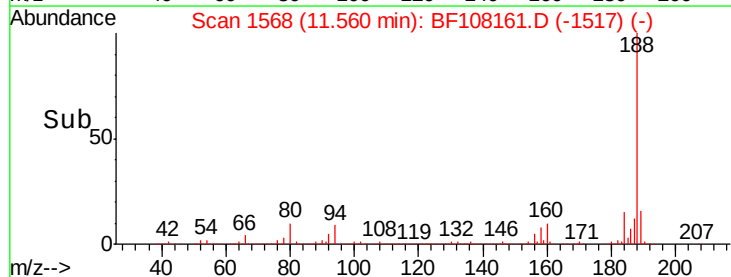
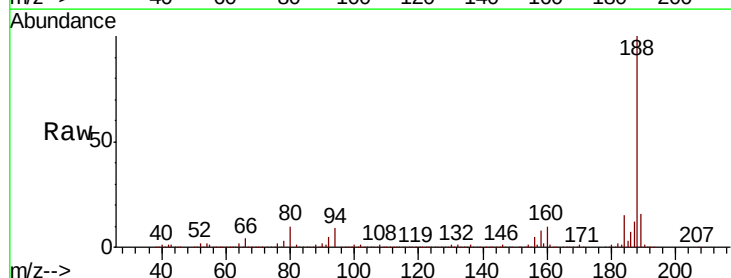
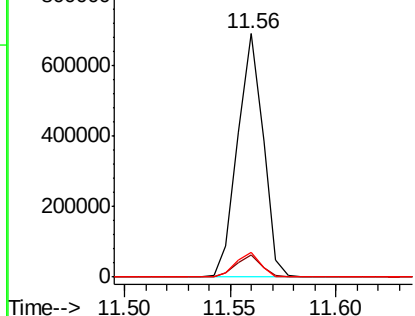
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

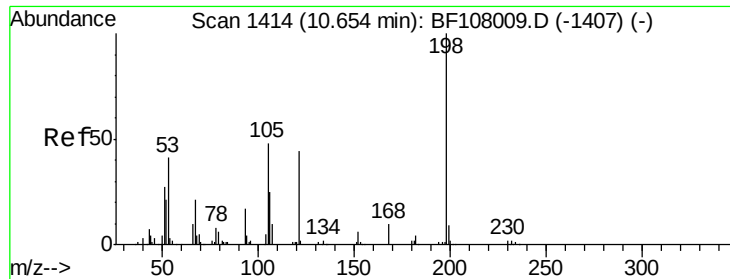
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8

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

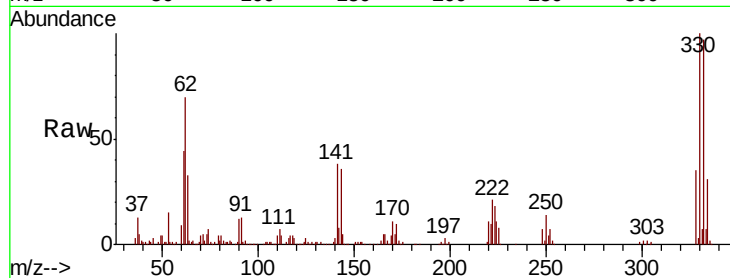




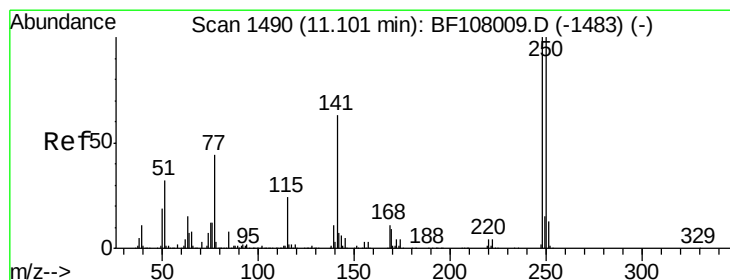
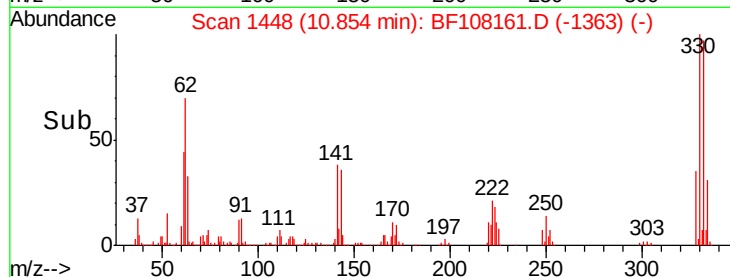
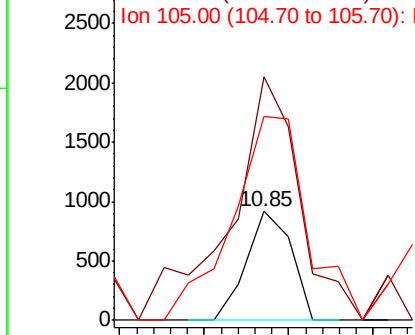
#64
4,6-Dinitro-2-methylphenol
Concen: 5.636 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 678
Ion Ratio Lower Upper
198 100
51 223.6 37.7 77.7#
105 187.5 36.3 76.3#

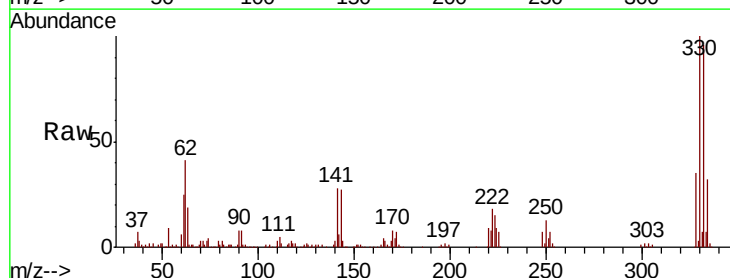


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

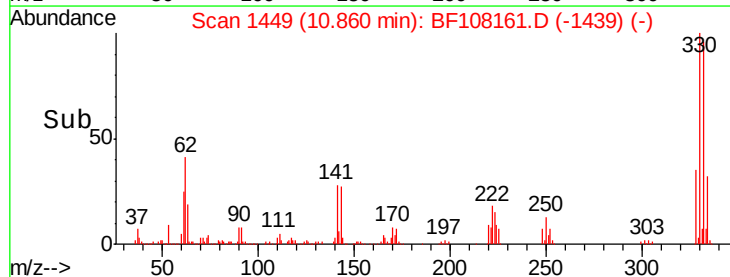
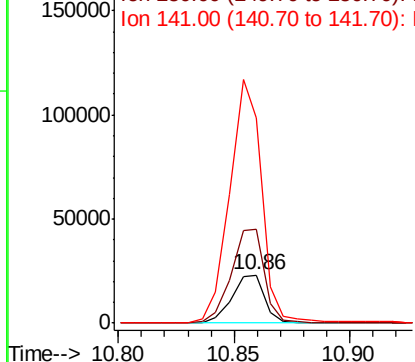


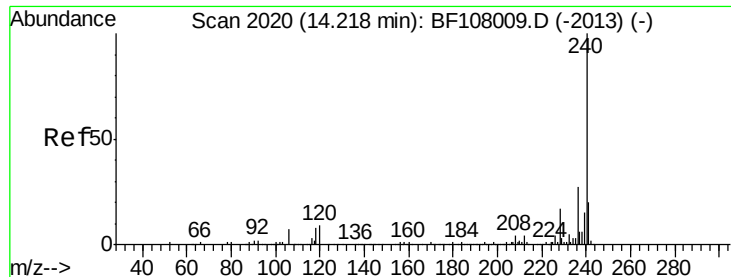
#66
4-Bromophenyl-phenylether
Concen: 3.643 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Tgt Ion:248 Resp: 22902
Ion Ratio Lower Upper
248 100
250 194.8 76.9 115.3#
141 429.5 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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

Instrument :

BNA_F

ClientSampleId :

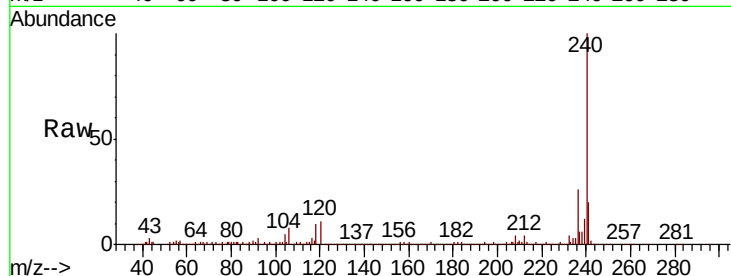
Tot Ion:240 Resp: 456506

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

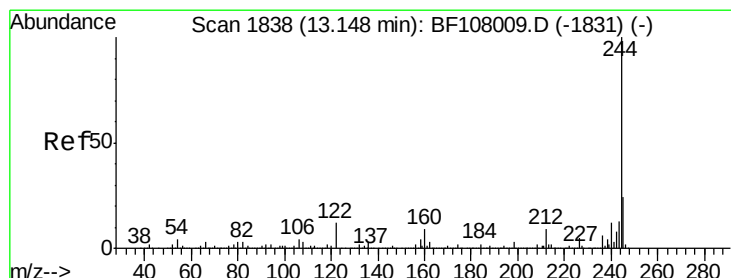
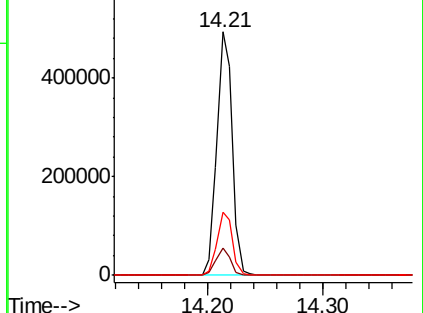
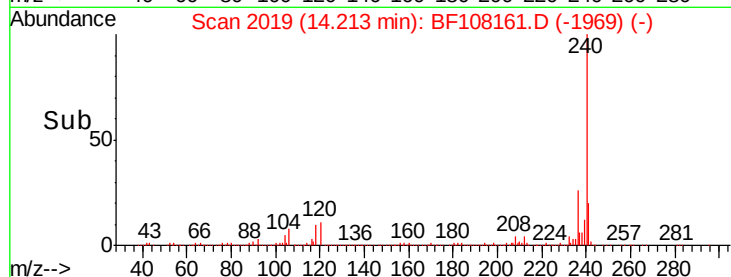
236 25.9 20.7 31.1



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: 77.743 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108161.D

Acq: 15 Aug 2018 13:10

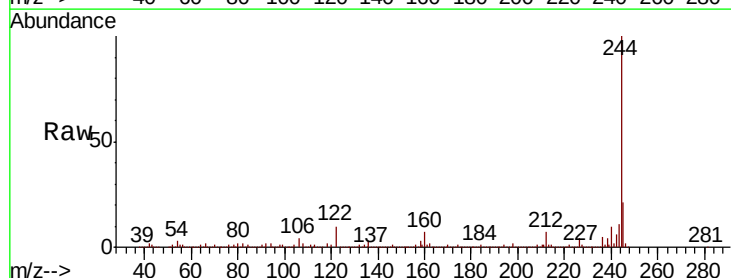
Tgt Ion:244 Resp: 1395844

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

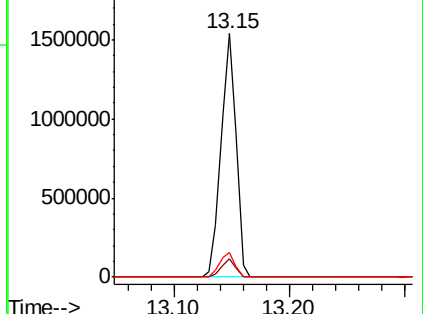
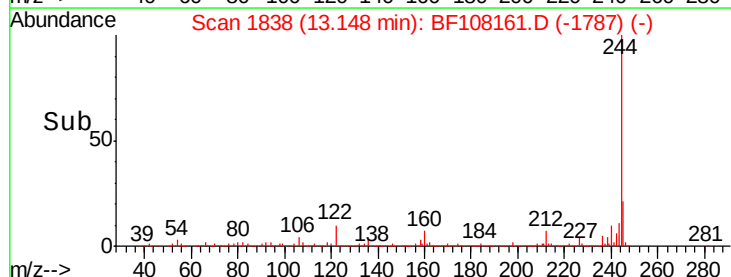
122 10.0 11.0 16.4#

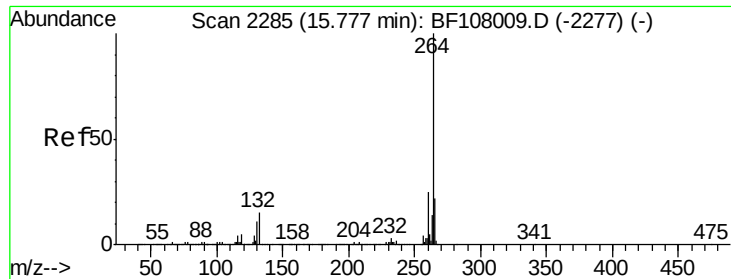


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.78 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF108161.D
Acq: 15 Aug 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.8	17.5	26.3

