

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108410.D
 Acq On : 23 Aug 2018 5:20
 Operator : JU/SJ
 Sample : J4525-11
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 08:00:01 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	149151	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	540960	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	249195	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	410954	20.00	ng	0.00
75) Chrysene-d12	14.19	240	284914	20.00	ng	0.00
86) Perylene-d12	15.75	264	235359	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	364618	44.26	ng	0.00
7) Phenol-d6	6.61	99	307468	28.09	ng	-0.02
23) Nitrobenzene-d5	7.57	82	1005769	103.75	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	188668	75.90	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1798694	115.88	ng	0.00
78) Terphenyl-d14	13.13	244	1273484	113.65	ng	0.00

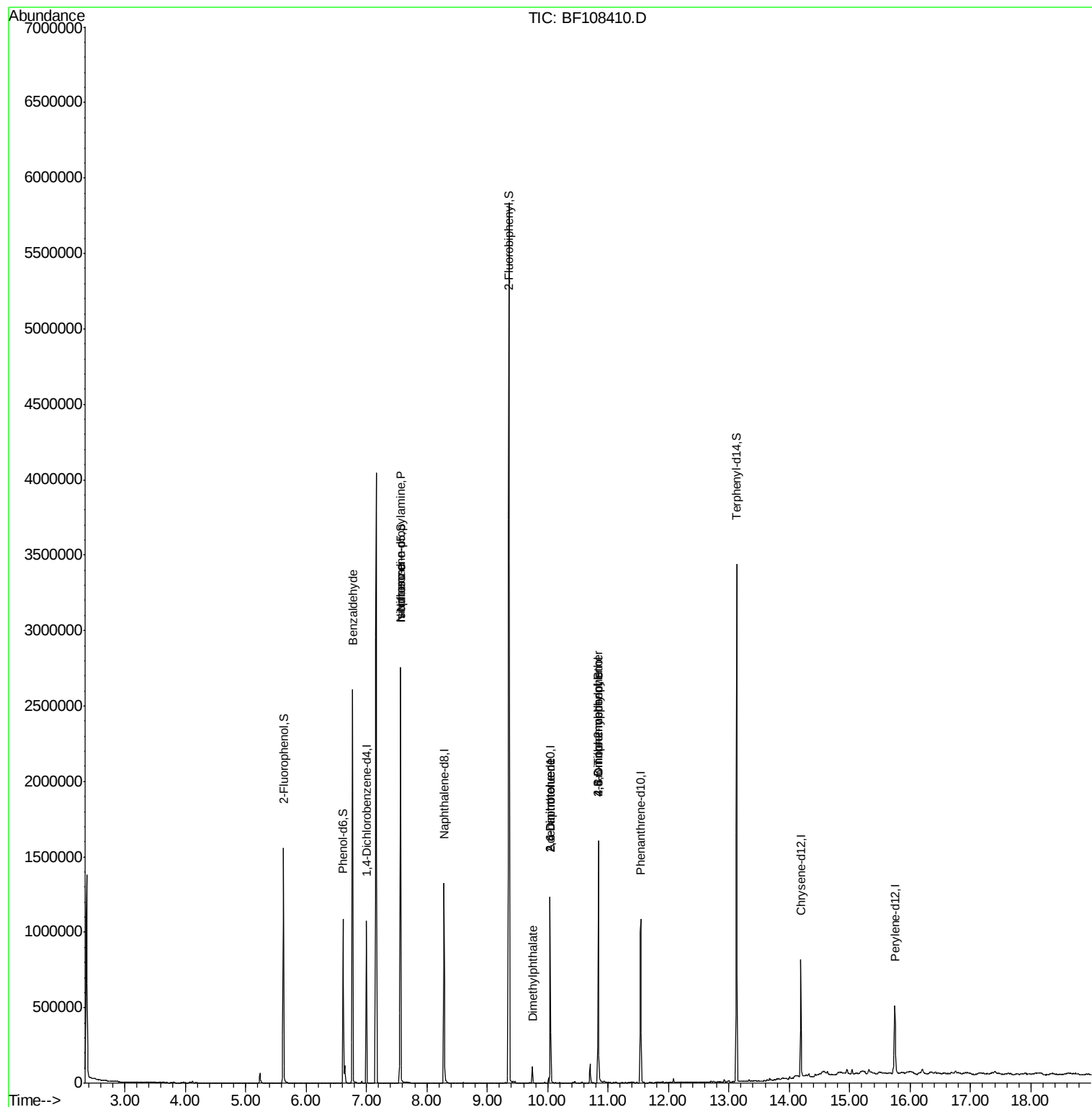
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	17605	2.074	ng	# 74
19) n-Nitroso-di-n-propylamine	7.57	70	137221	18.536	ng	# 82
25) Isophorone	7.57	82	1005753	54.430	ng	# 64
49) Dimethylphthalate	9.75	163	48776	2.810	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	31303	8.619	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	31303	6.696	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	432	5.607	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	12552	2.811	ng	# 1

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

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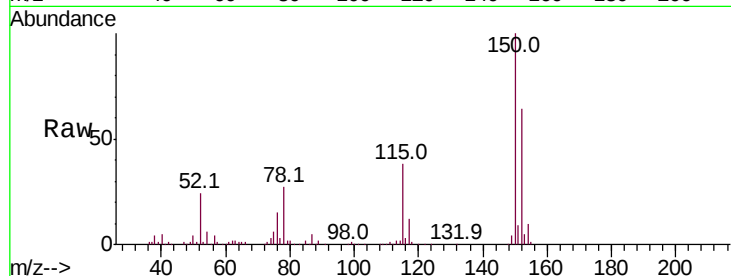


#1

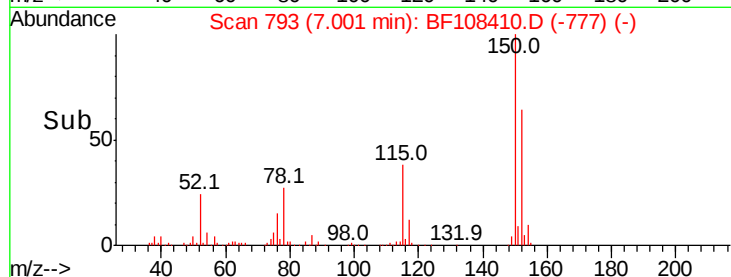
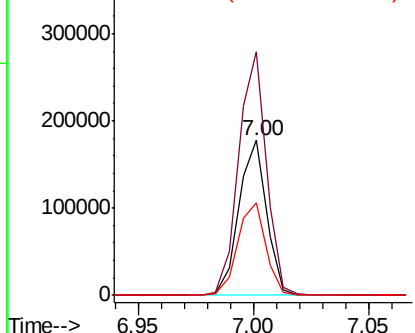
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108410.D
Acq: 23 Aug 2018 5:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	60.0	50.1	75.1



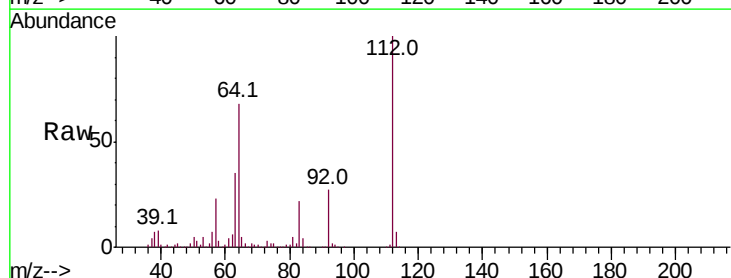
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



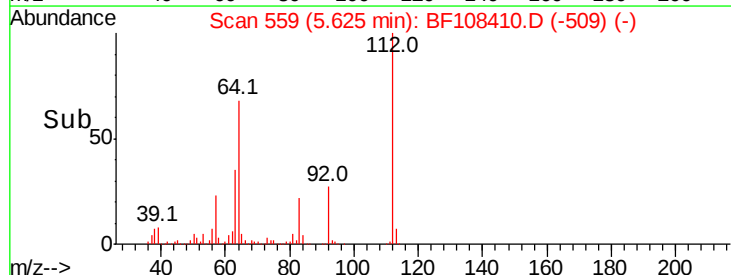
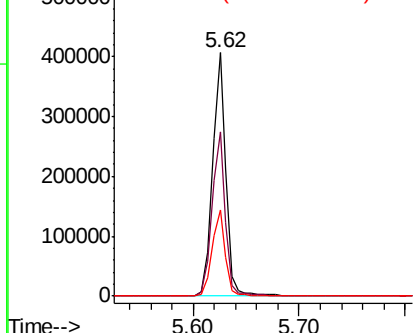
#5

2-Fluorophenol
Concen: 44.259 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108410.D
Acq: 23 Aug 2018 5:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	47.9	71.9
63	35.2	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: 28.085 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

Instrument :

BNA_F

ClientSampled :

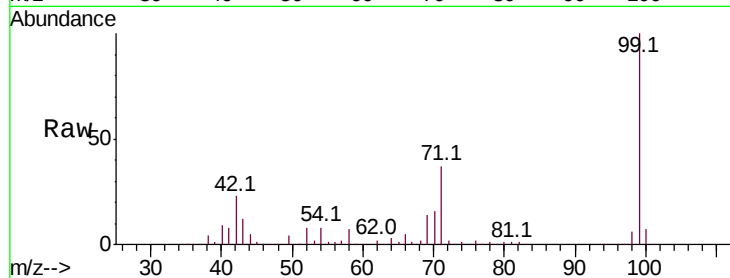
Tot Ion: 99 Resp: 307468

Ion Ratio Lower Upper

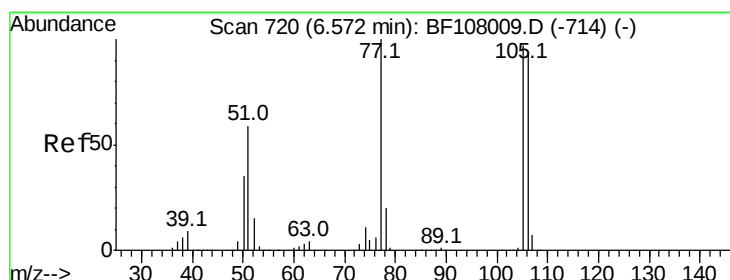
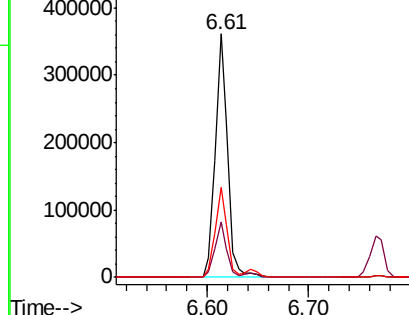
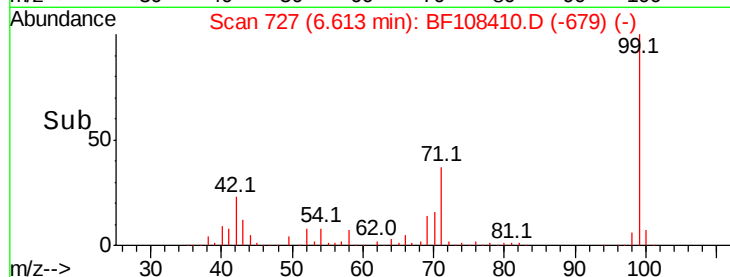
99 100

42 22.6 14.5 21.7#

71 37.2 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: 2.074 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

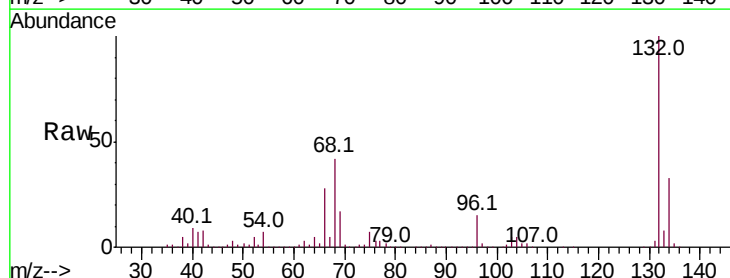
Tgt Ion: 77 Resp: 17605

Ion Ratio Lower Upper

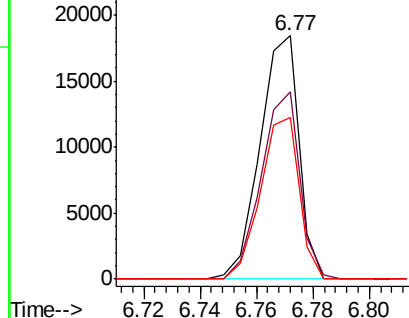
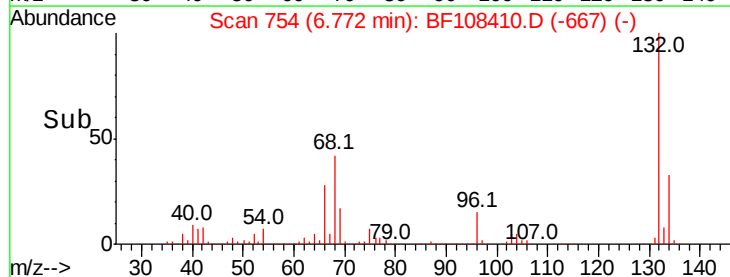
77 100

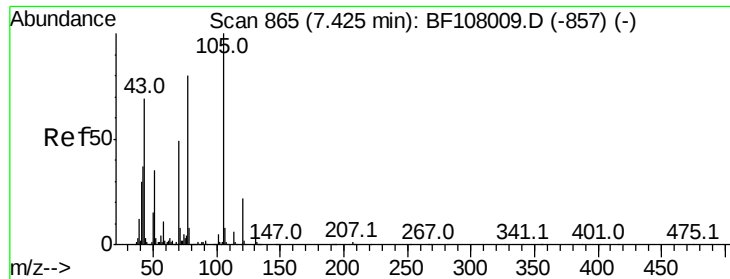
105 76.9 81.1 121.1#

106 66.5 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

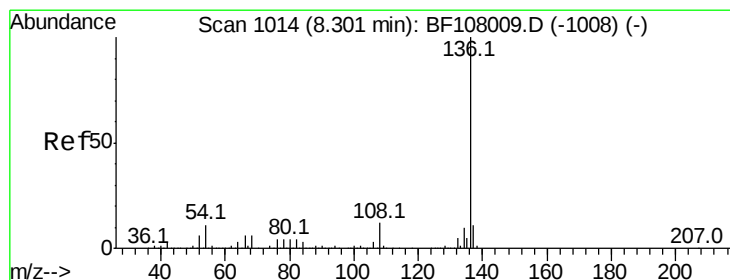
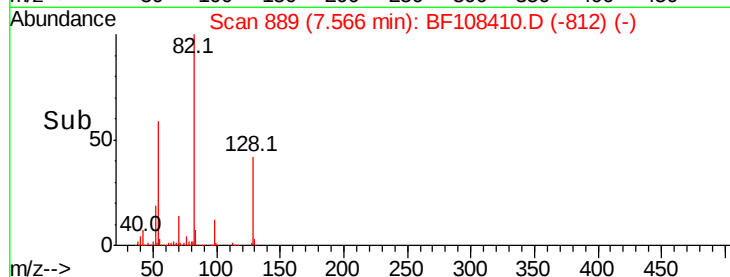
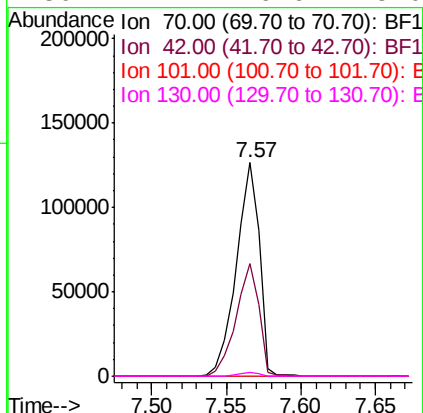
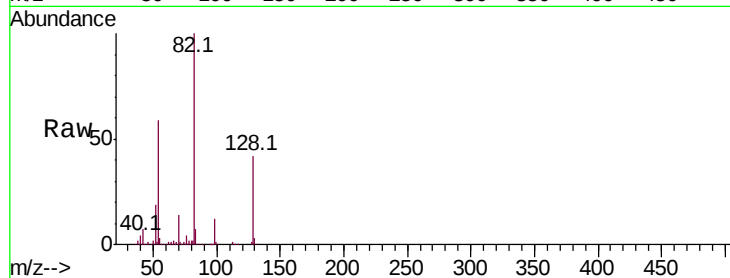




#19
n-Nitroso-di-n-propylamine
Concen: 18.536 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108410.D
Acq: 23 Aug 2018 5:20

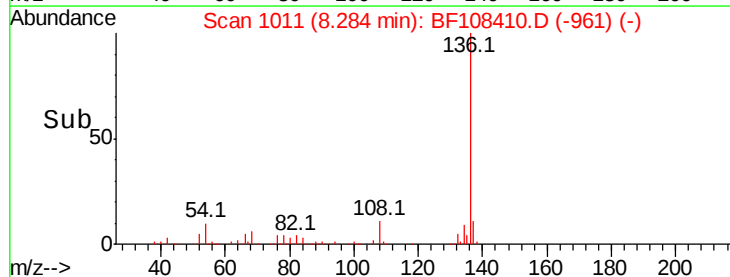
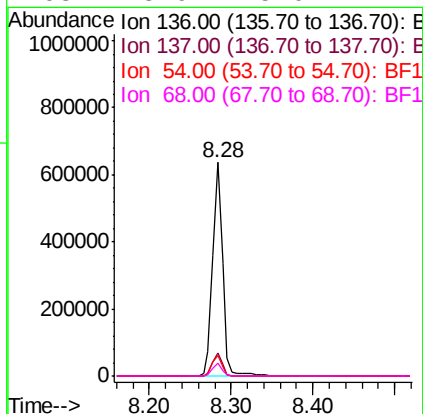
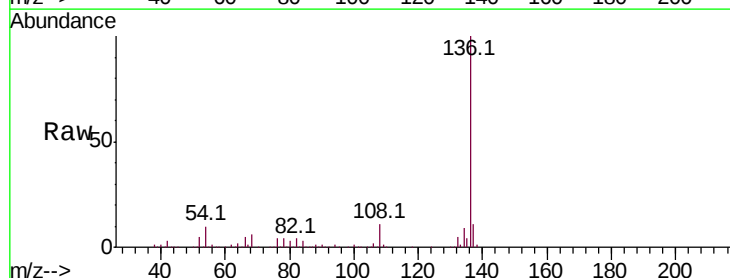
Instrument :
BNA_F
ClientSampleId :

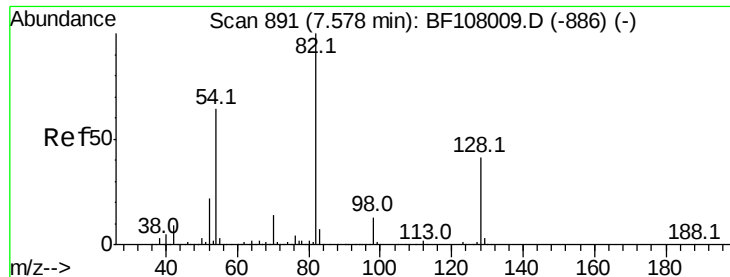
Tot Ion	Ratio	Lower	Upper
70	100		
42	52.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108410.D
Acq: 23 Aug 2018 5:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.7	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 103.748 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

Instrument :

BNA_F

ClientSampled :

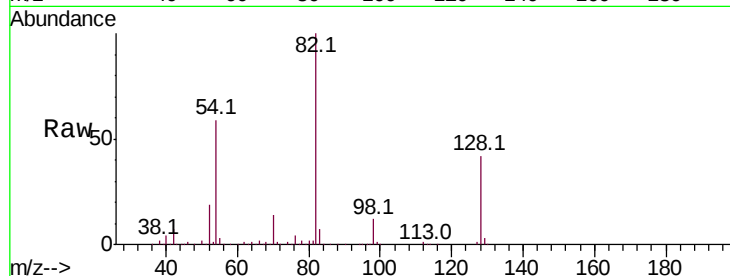
Tot Ion: 82 Resp: 1005769

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

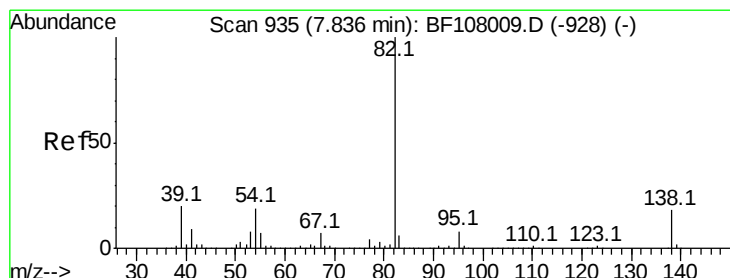
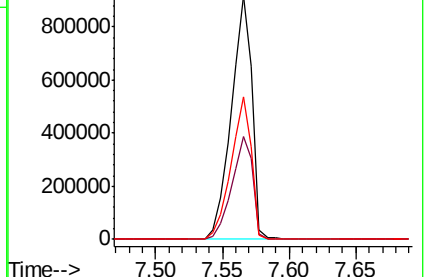
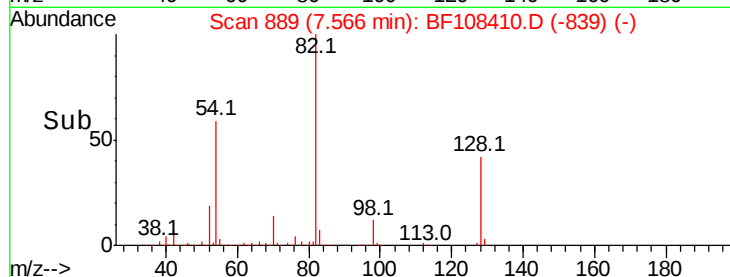
54 58.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 54.430 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

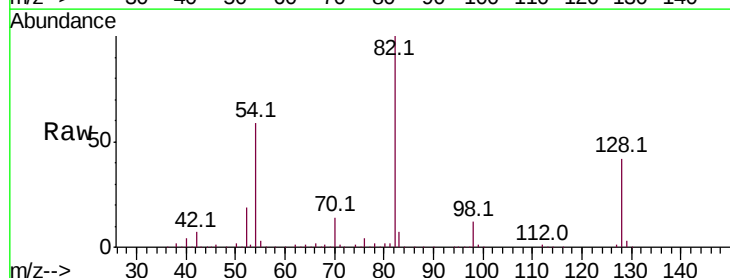
Tgt Ion: 82 Resp: 1005753

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

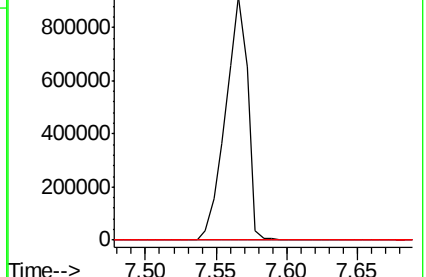
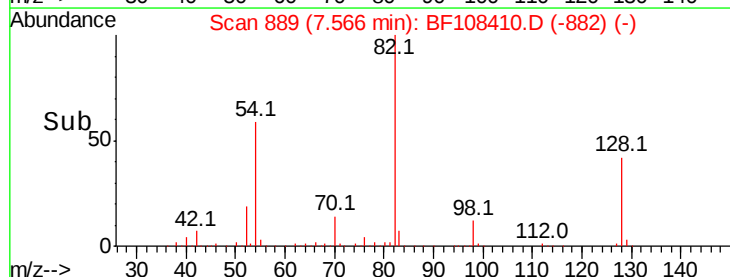
138 0.0 14.9 22.3#

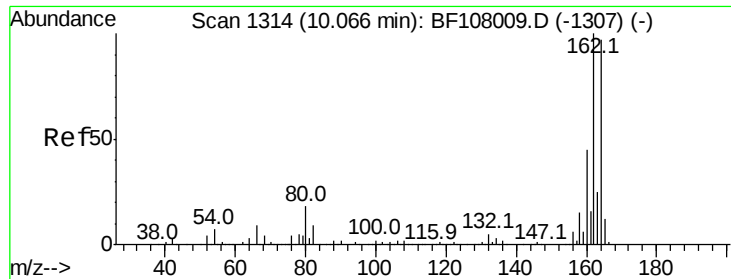


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

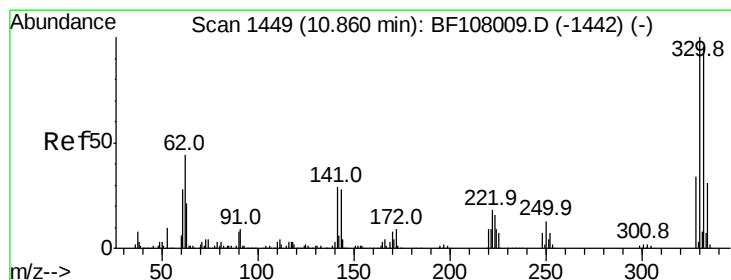
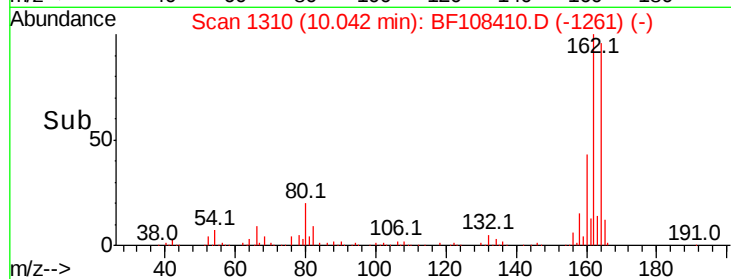
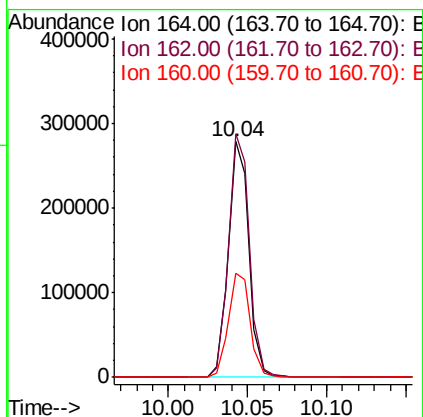
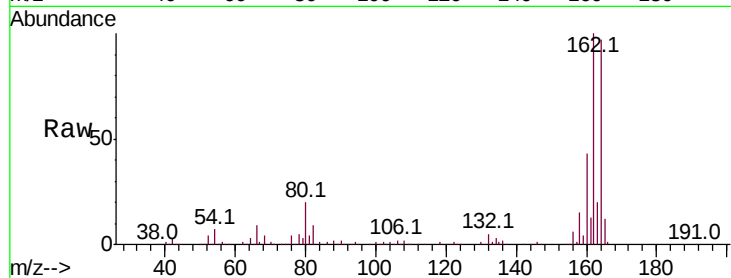




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

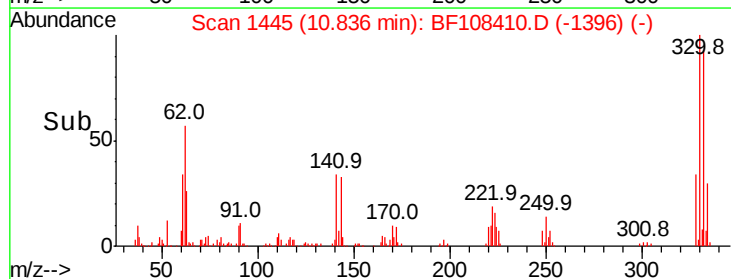
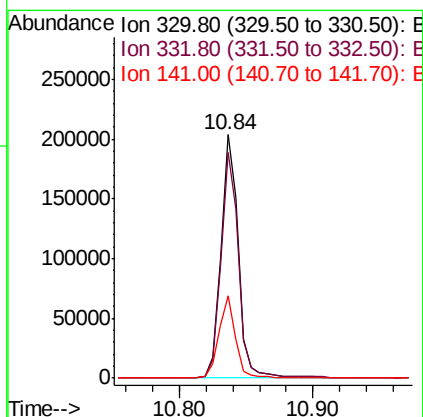
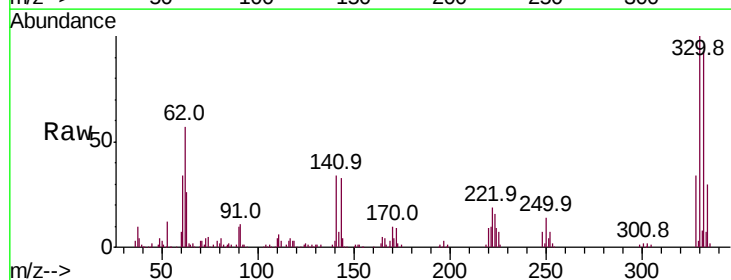
Instrument :
 BNA_F
 ClientSampleId :

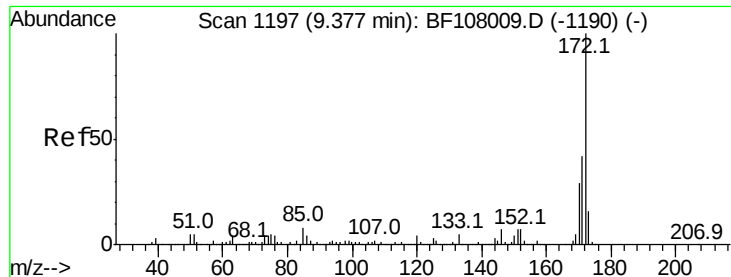
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	44.4	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 75.903 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	32.2	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 115.883 ng

RT: 9.36 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

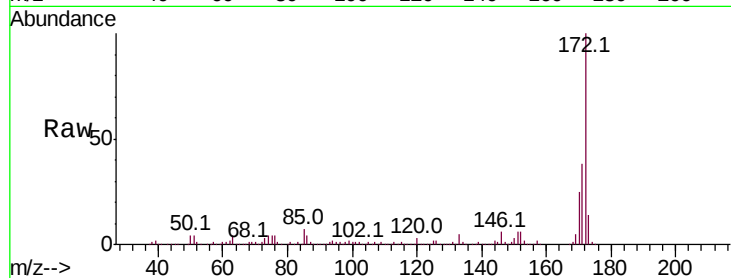
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1798694

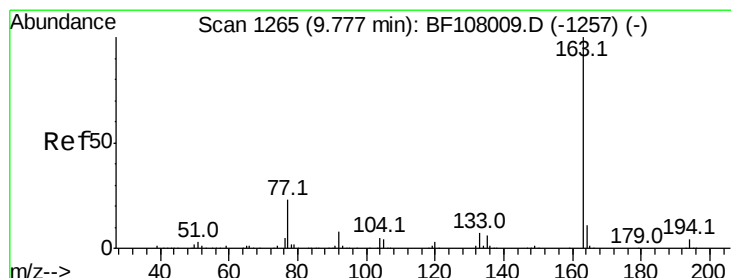
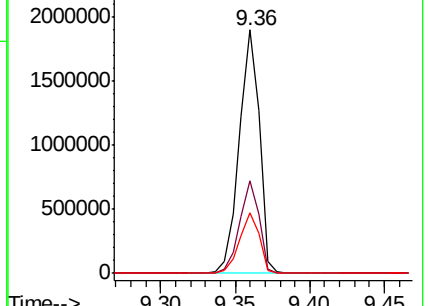
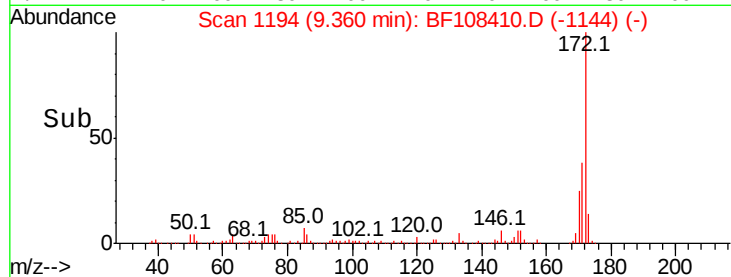
Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	25.1	19.6	29.4



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: 2.810 ng

RT: 9.75 min Scan# 1260

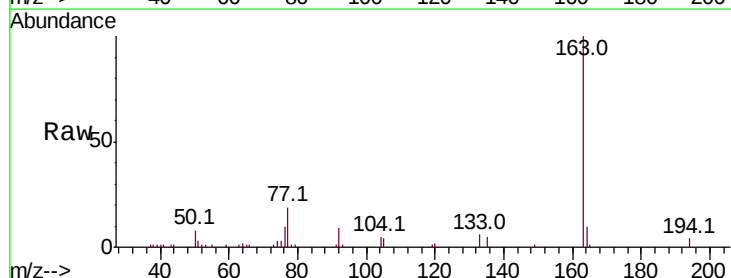
Delta R.T. -0.02 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

Tgt Ion:163 Resp: 48776

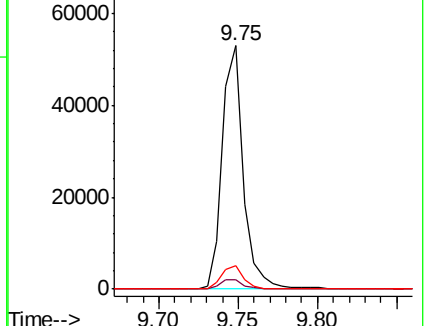
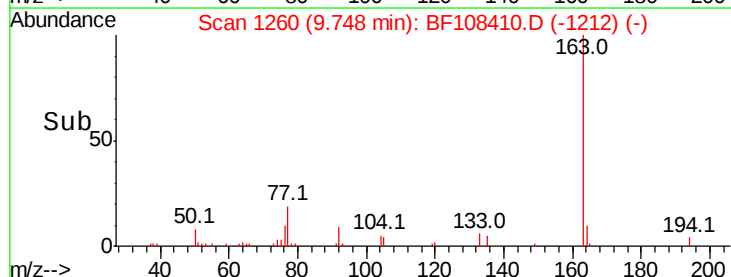
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2

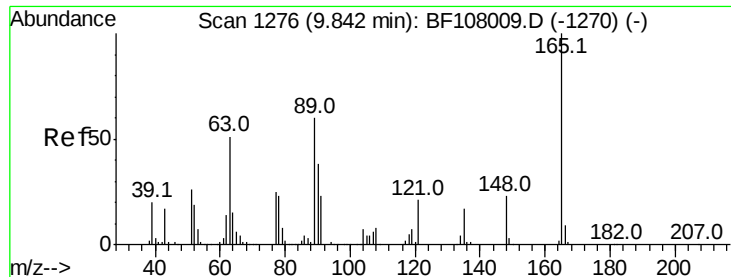


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

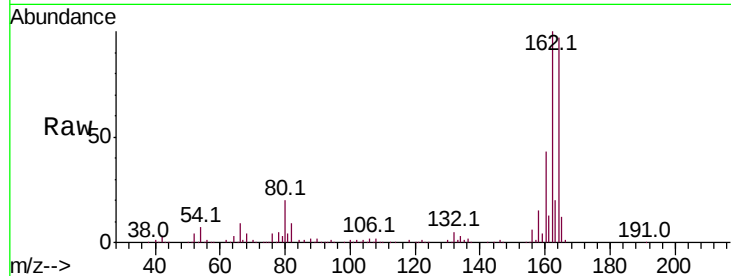




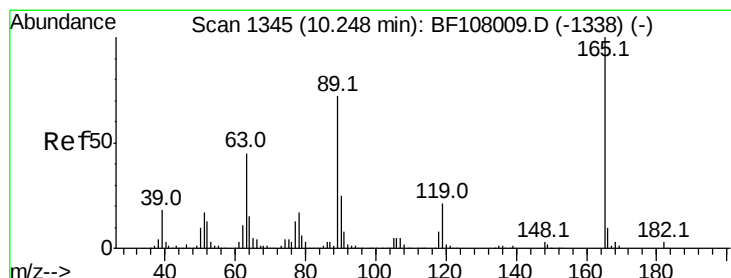
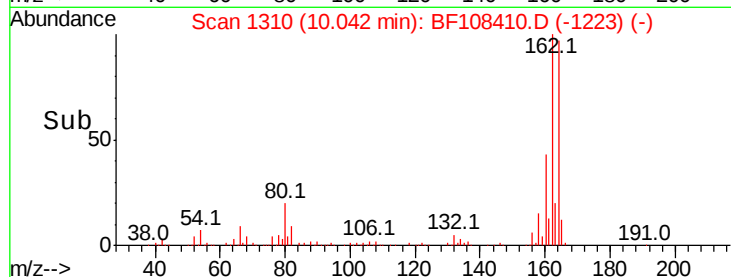
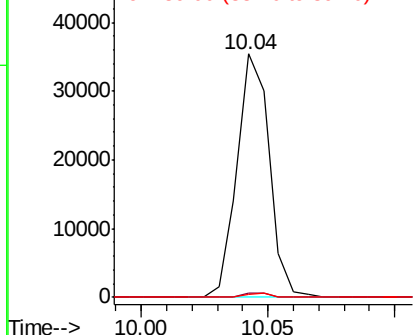
#50
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.1	44.0	66.0#

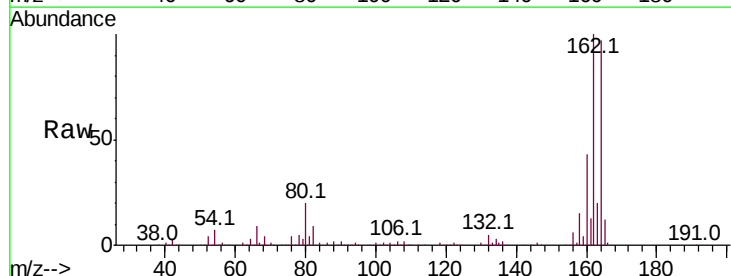


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

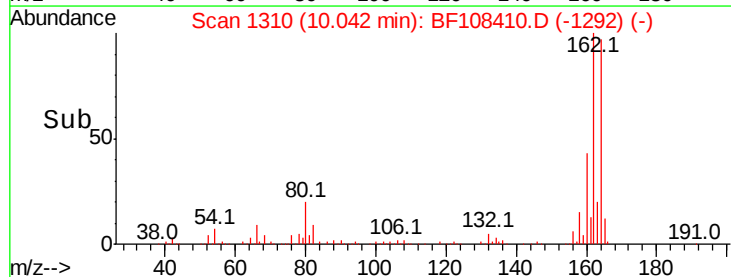
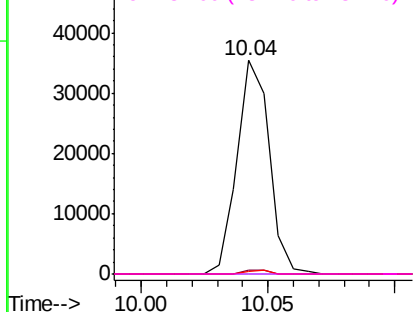


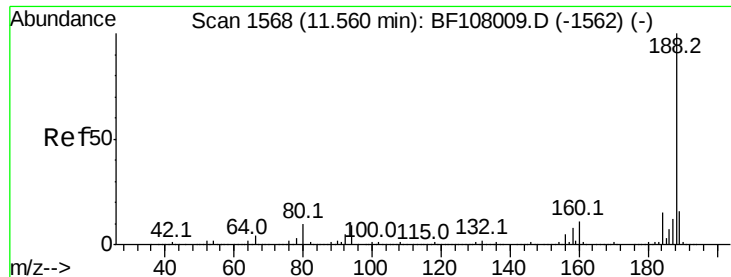
#56
 2,4-Dinitrotoluene
 Concen: 6.696 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.1	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

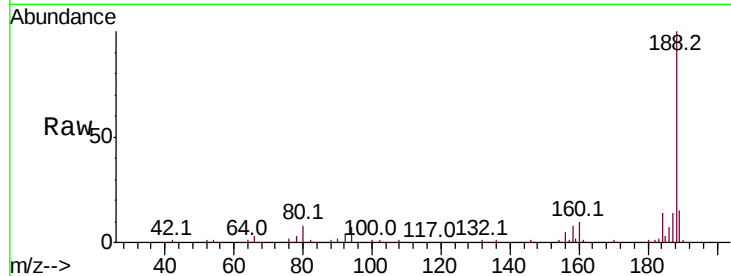




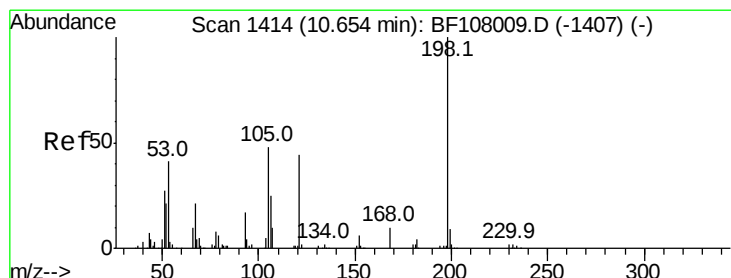
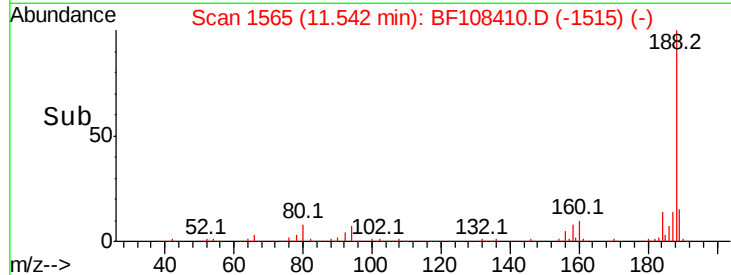
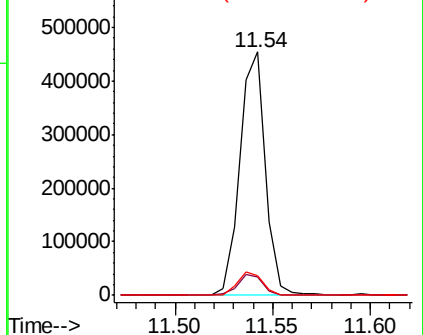
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 410954
 Ion Ratio Lower Upper
 188 100
 94 7.3 8.5 12.7#
 80 7.9 9.2 13.8#

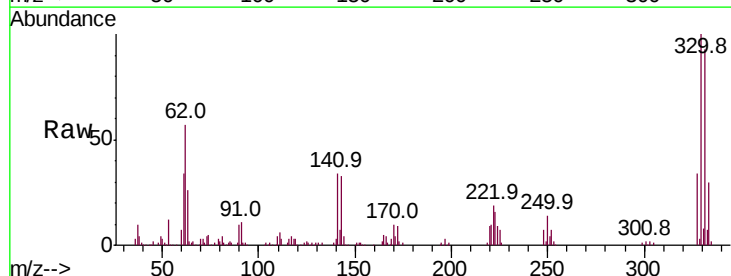


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

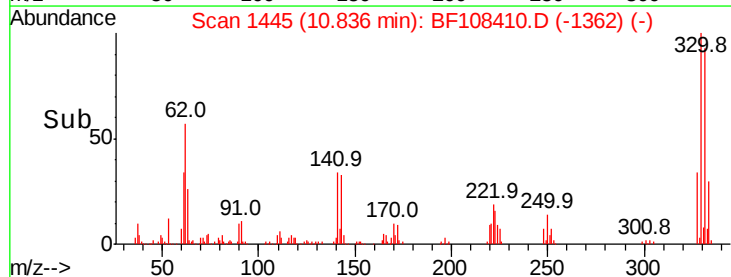
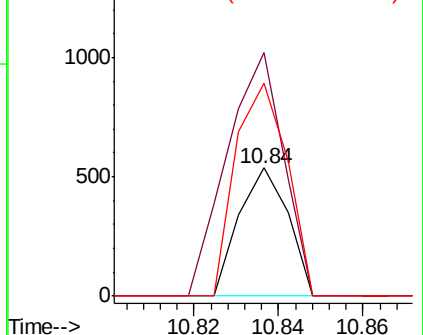


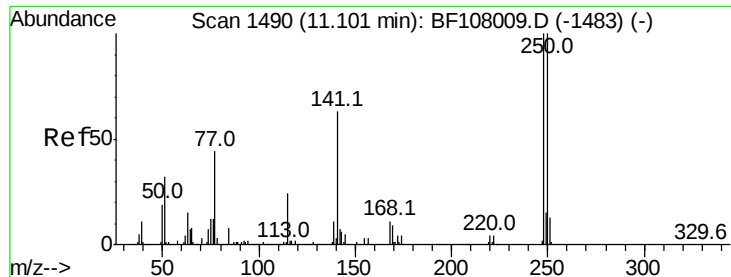
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.607 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Tgt Ion:198 Resp: 432
 Ion Ratio Lower Upper
 198 100
 51 190.1 37.7 77.7#
 105 166.3 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

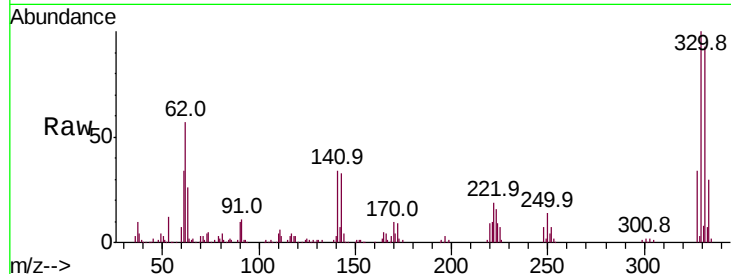




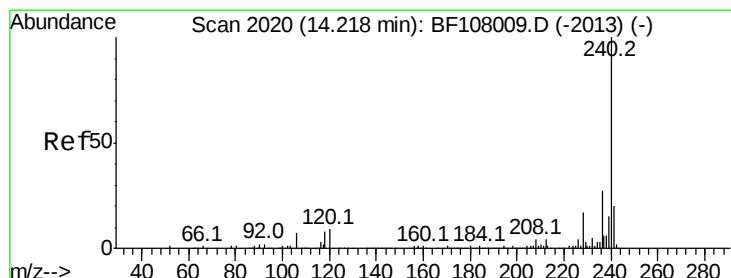
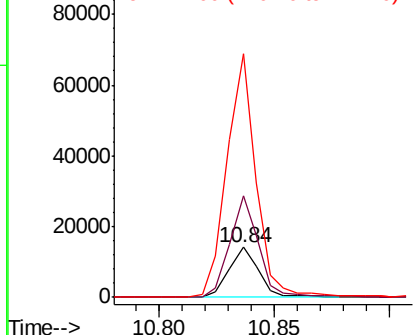
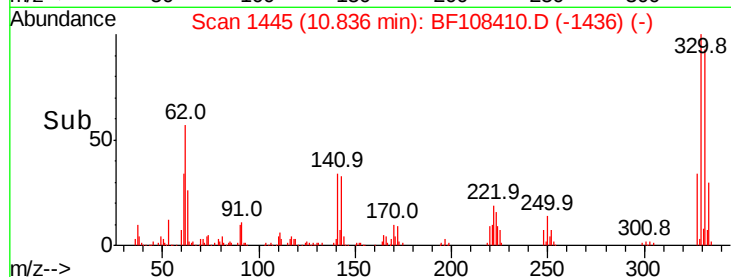
#66
 4-Bromophenyl-phenylether
 Concen: 2.811 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12552
 Ion Ratio Lower Upper
 248 100
 250 202.1 76.9 115.3#
 141 487.4 74.4 111.6#

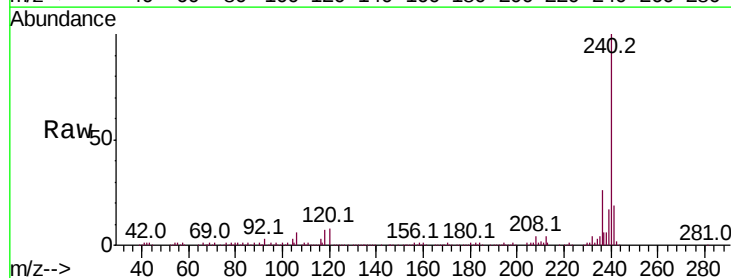


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

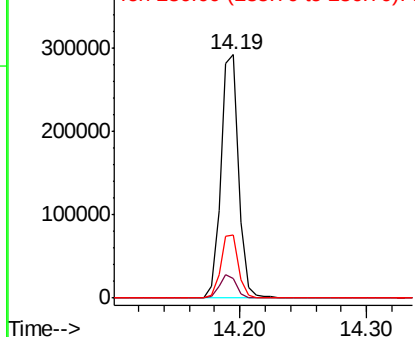
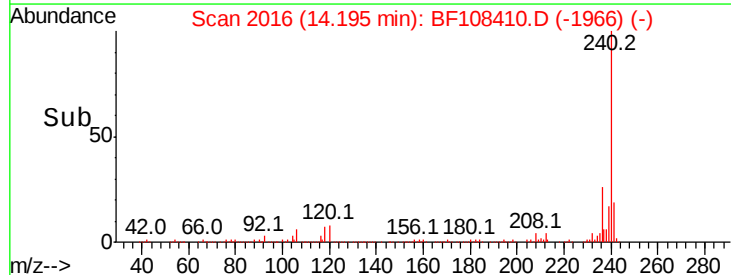


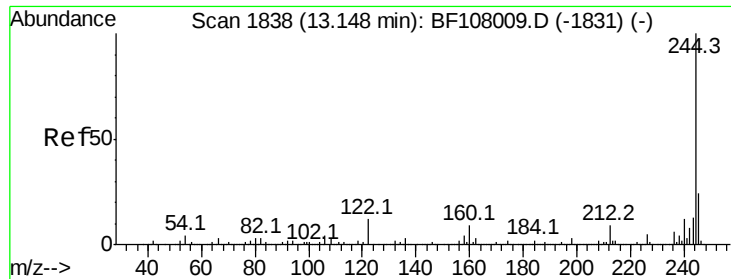
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108410.D
 Acq: 23 Aug 2018 5:20

Tgt Ion:240 Resp: 284914
 Ion Ratio Lower Upper
 240 100
 120 8.2 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: 113.646 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

Instrument :

BNA_F

ClientSampleId :

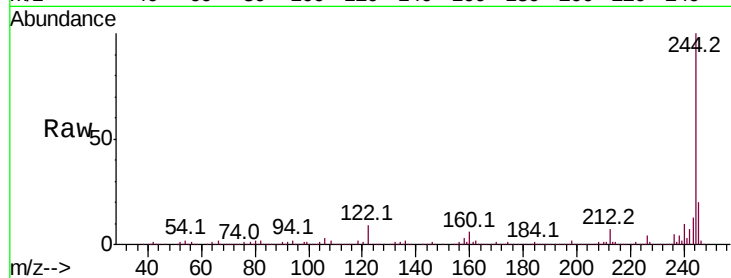
Tot Ion:244 Resp: 1273484

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

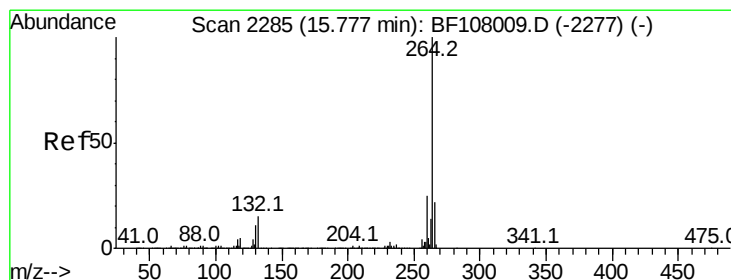
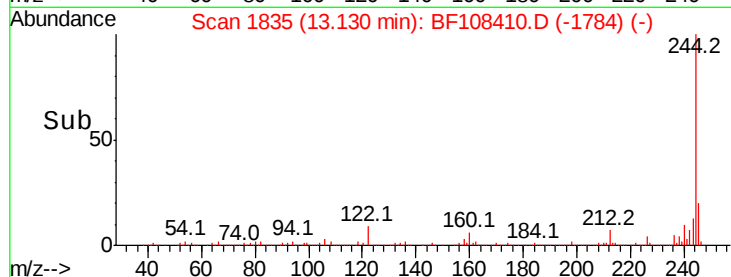
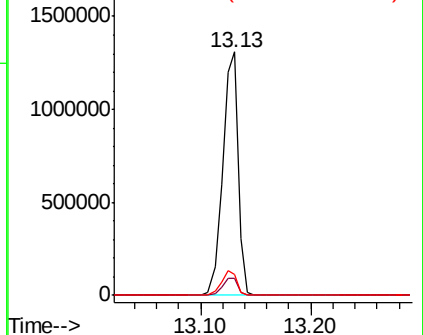
122 8.6 11.0 16.4#



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: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108410.D

Acq: 23 Aug 2018 5:20

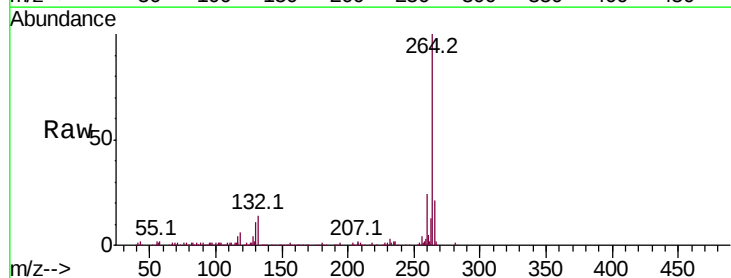
Tgt Ion:264 Resp: 235359

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.0 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

