

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108160.D
 Acq On : 15 Aug 2018 12:43
 Operator : JU/SJ
 Sample : J4454-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 13:23:08 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	198289	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	734394	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	378614	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	748016	20.00	ng	0.00
75) Chrysene-d12	14.22	240	541777	20.00	ng	0.00
86) Perylene-d12	15.78	264	509754	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	1211150	110.58	ng	0.03
7) Phenol-d6	6.64	99	1486553	102.14	ng	0.01
23) Nitrobenzene-d5	7.58	82	1183377	89.92	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	537068	142.21	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1976277	83.80	ng	0.00
78) Terphenyl-d14	13.15	244	2231943	104.75	ng	0.00

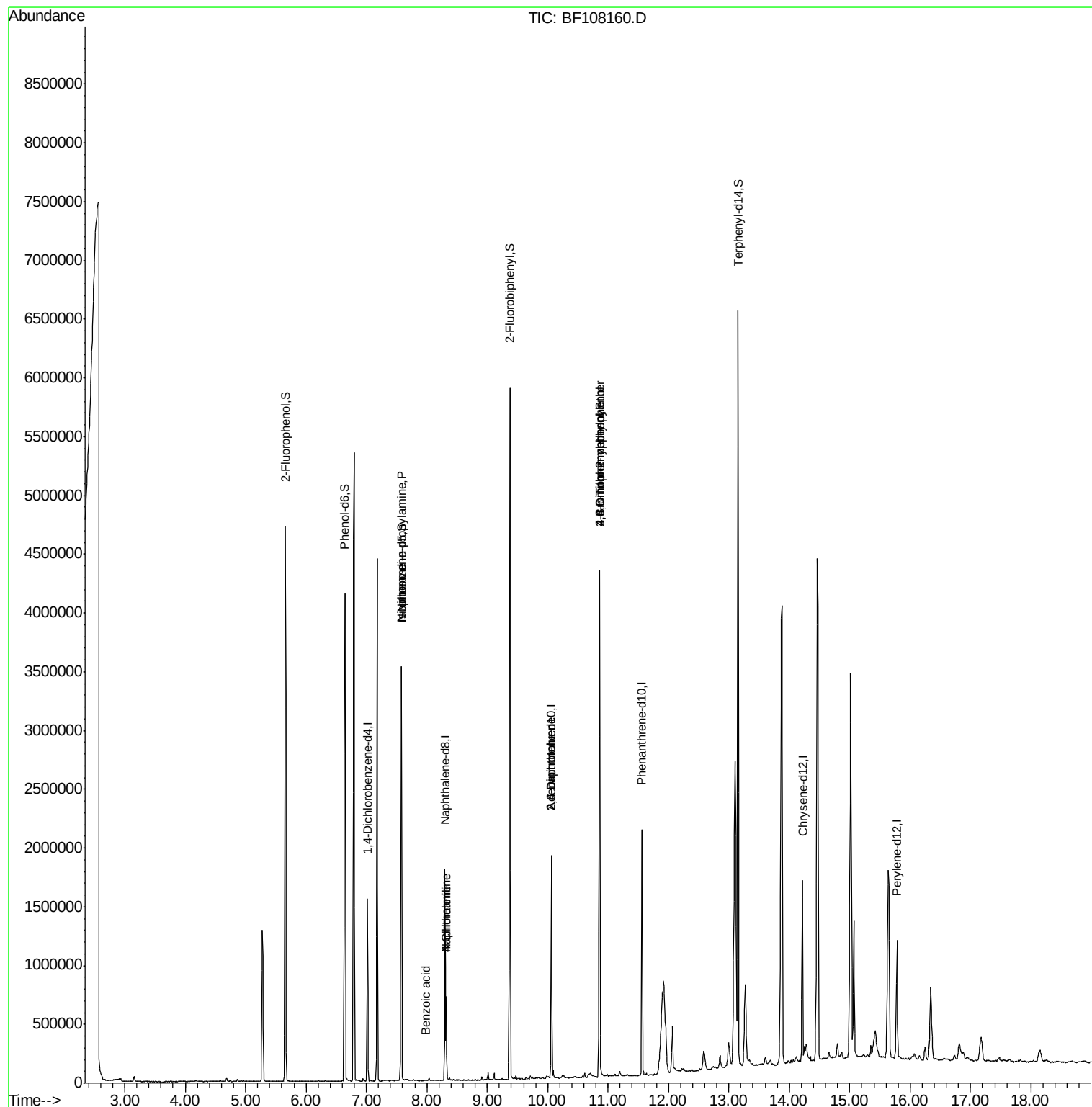
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	163095	16.571	ng	# 82
25) Isophorone	7.58	82	1183366	47.174	ng	# 64
31) Naphthalene	8.32	128	311141	9.316	ng	# 99
32) Benzoic acid	7.99	122	1580	6.189	ng	# 84
33) 4-Chloroaniline	8.32	127	40805	2.804	ng	# 33
50) 2,6-Dinitrotoluene	10.07	165	49172	8.911	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	49172	6.923	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.86	198	1371	5.792	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	36611	4.504	ng	# 1

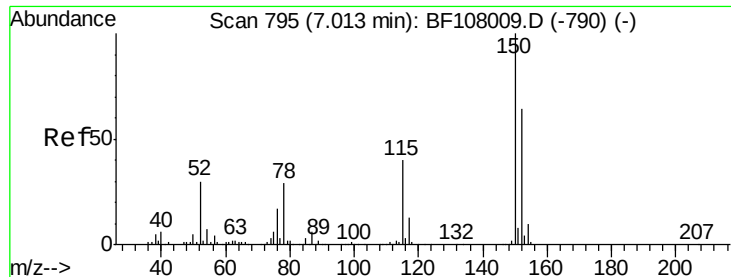
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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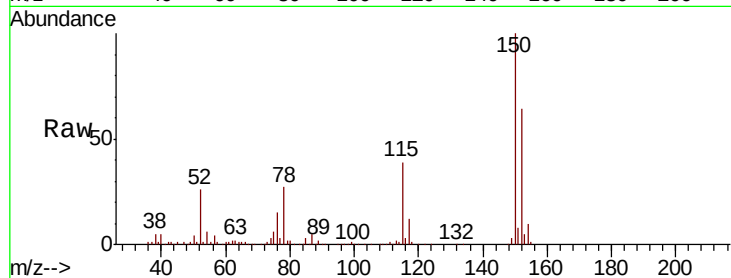


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.4	50.1	75.1

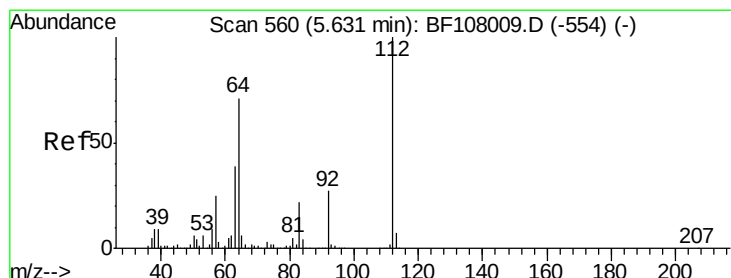
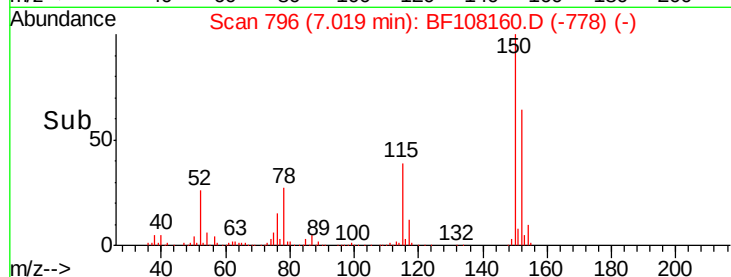
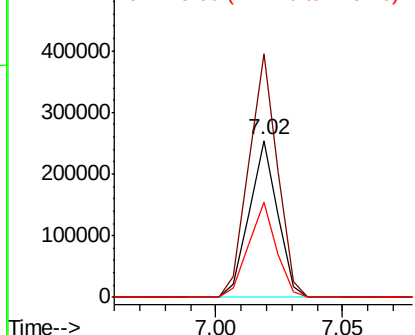


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

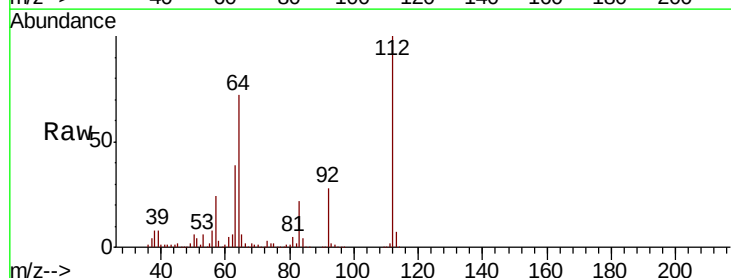
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.583 ng
RT: 5.66 min Scan# 565
Delta R.T. 0.03 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	47.9	71.9#
63	38.9	23.7	35.5#

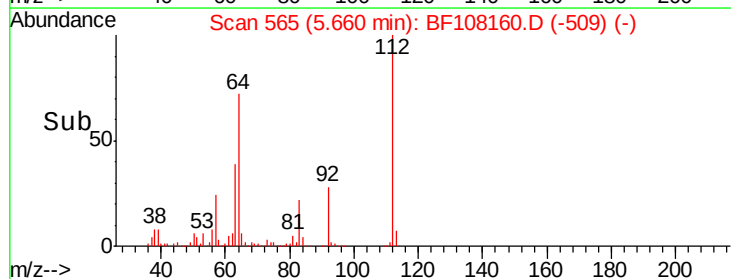
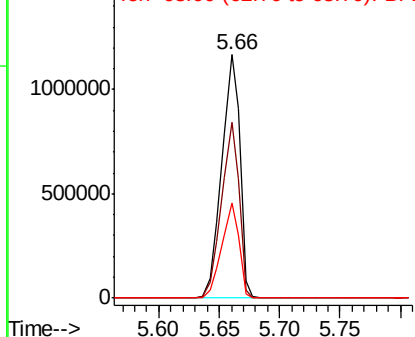


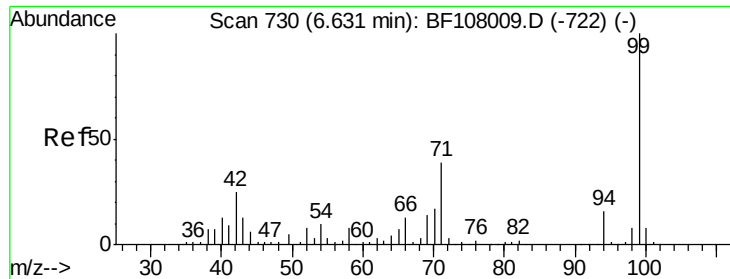
Abundance

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: 102.138 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

Instrument :

BNA_F

ClientSampleId :

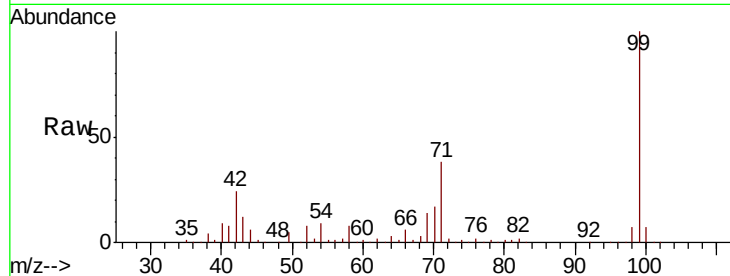
Tot Ion: 99 Resp: 1486553

Ion Ratio Lower Upper

99 100

42 24.1 14.5 21.7#

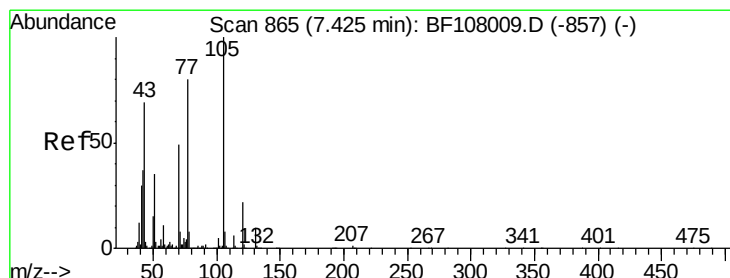
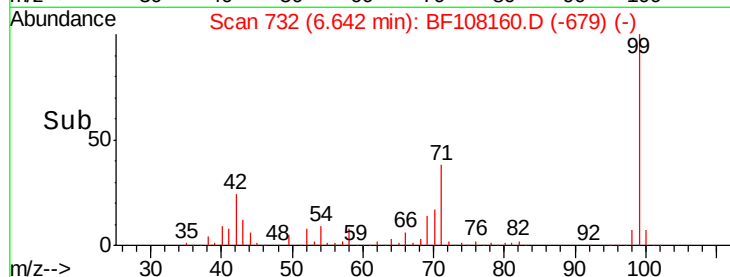
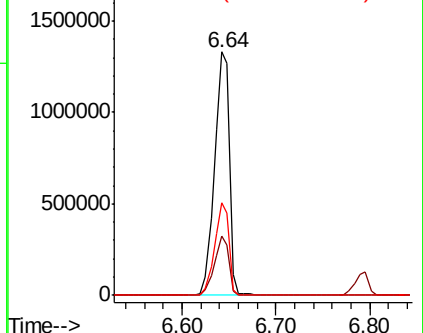
71 38.1 25.4 38.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.571 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

Tgt Ion: 70 Resp: 163095

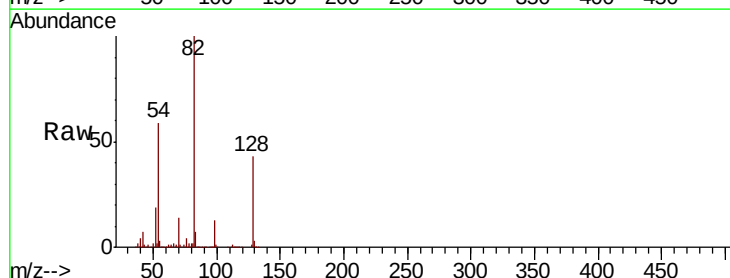
Ion Ratio Lower Upper

70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

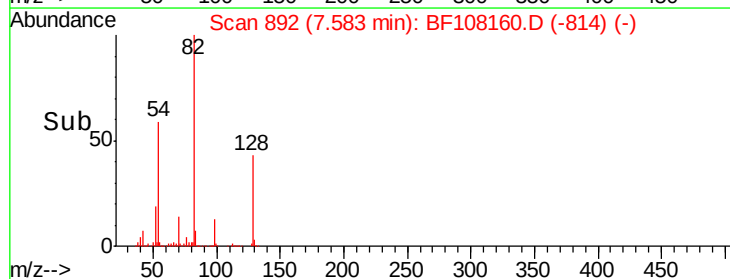
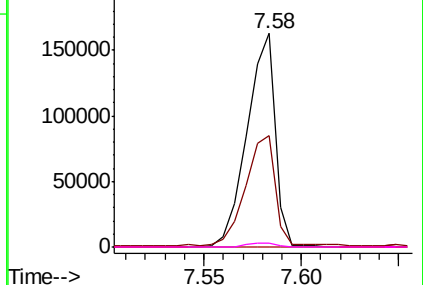


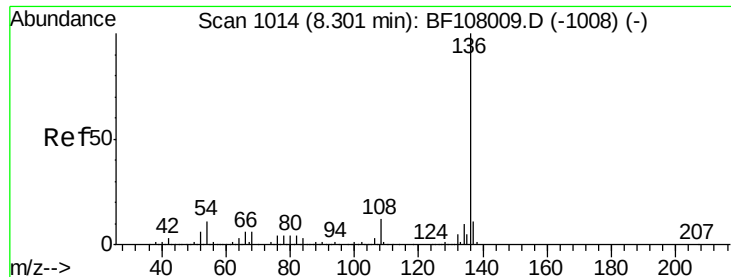
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

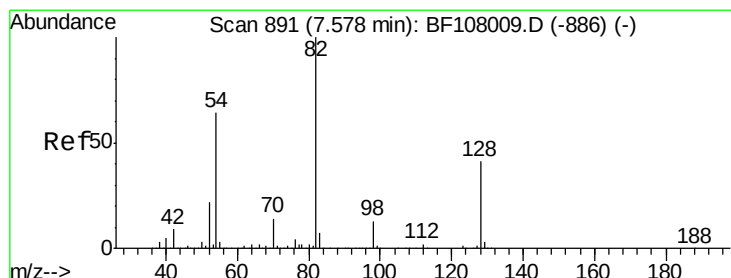
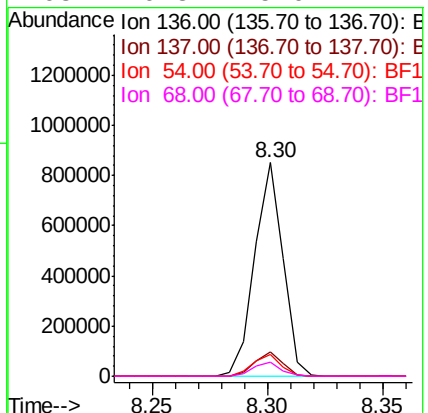
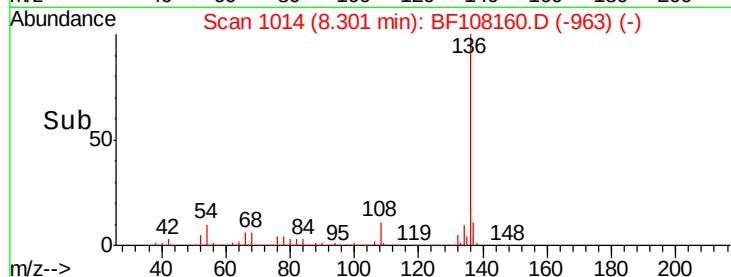
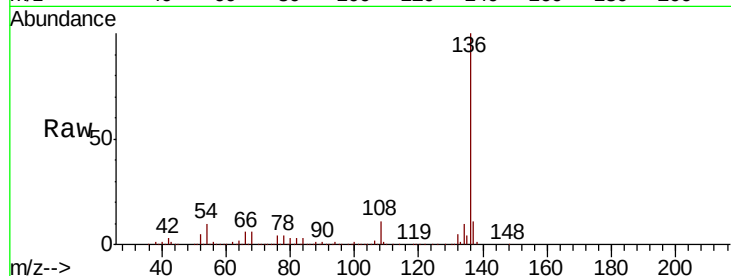




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

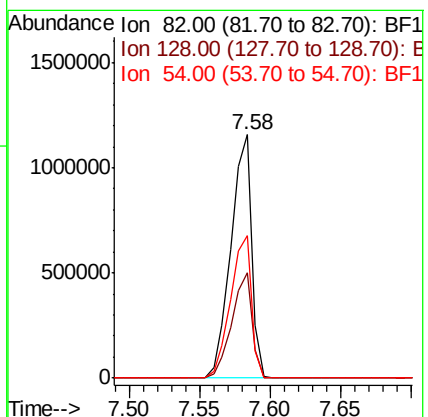
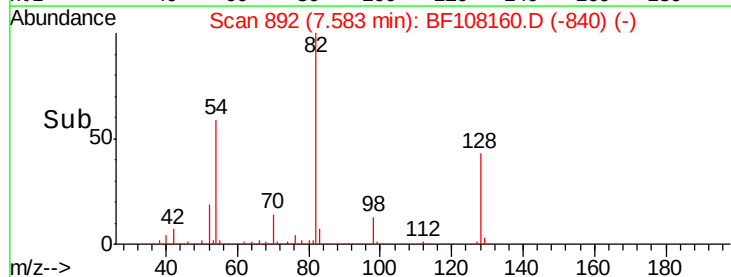
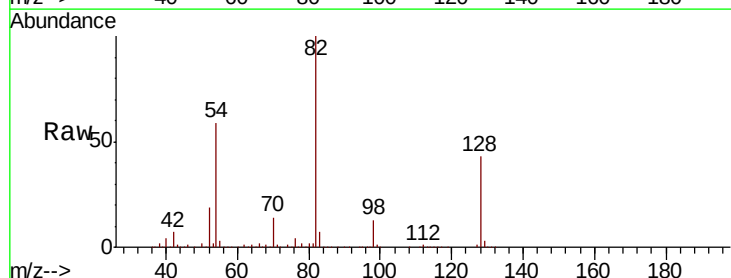
Instrument :
BNA_F
ClientSampleId :

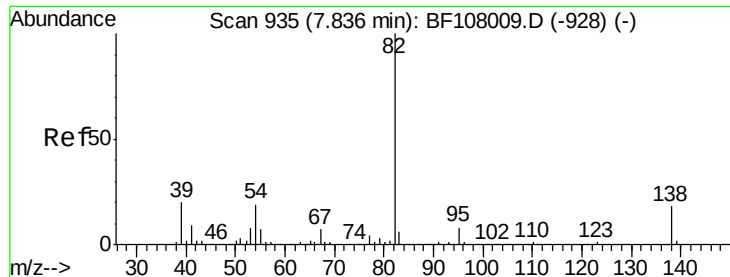
Tot Ion:136	Resp:	734394
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	10.1	6.6 9.8#
68	6.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 89.917 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

Tgt Ion: 82	Resp:	1183377
Ion	Ratio	Lower Upper
82	100	
128	43.5	36.1 54.1
54	58.5	41.4 62.2





#25

Isophorone

Concen: 47.174 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

Instrument :

BNA_F

ClientSampleId :

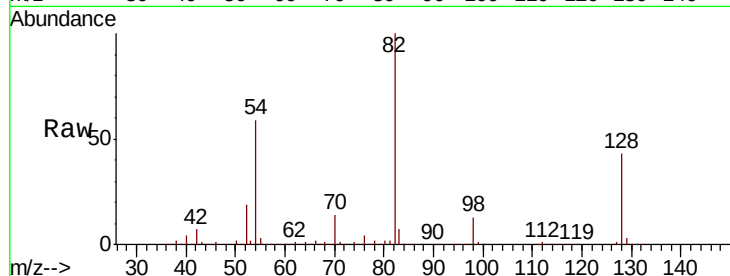
Tot Ion: 82 Resp: 1183366

Ion Ratio Lower Upper

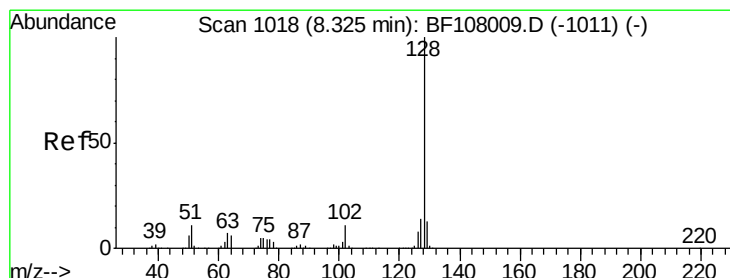
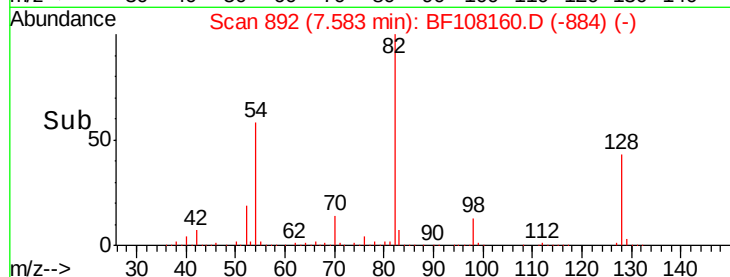
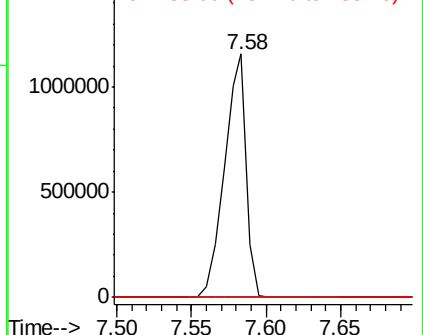
82 100

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



#31

Naphthalene

Concen: 9.316 ng

RT: 8.32 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

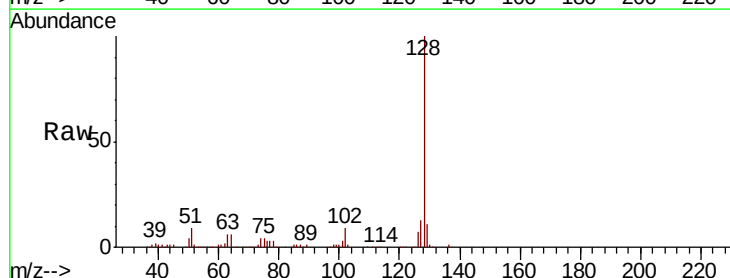
Tgt Ion: 128 Resp: 311141

Ion Ratio Lower Upper

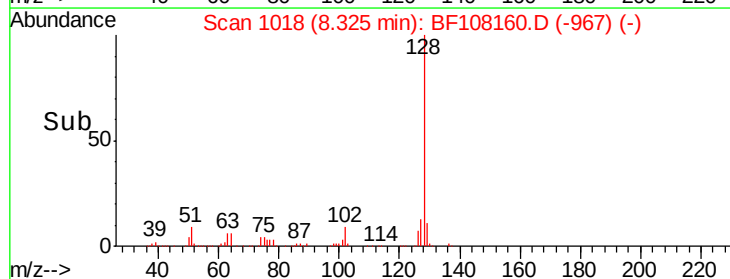
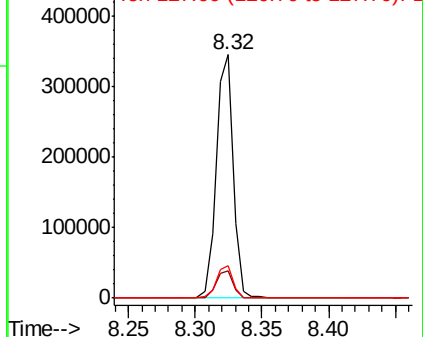
128 100

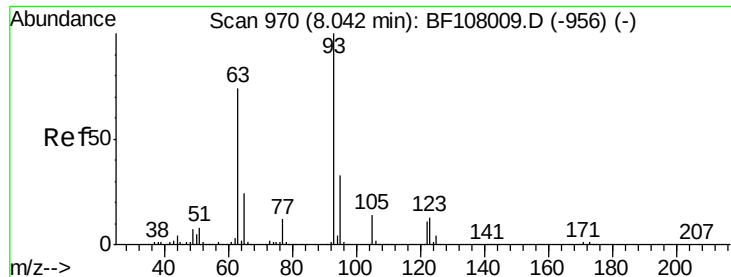
129 11.0 8.8 13.2

127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

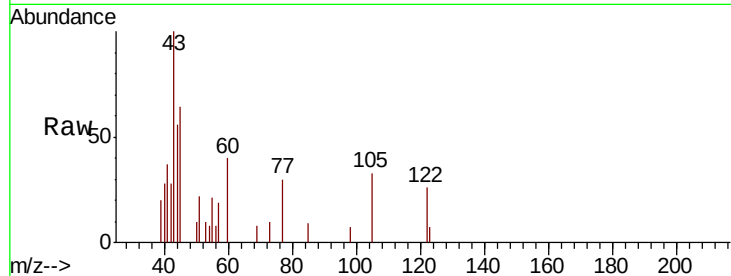




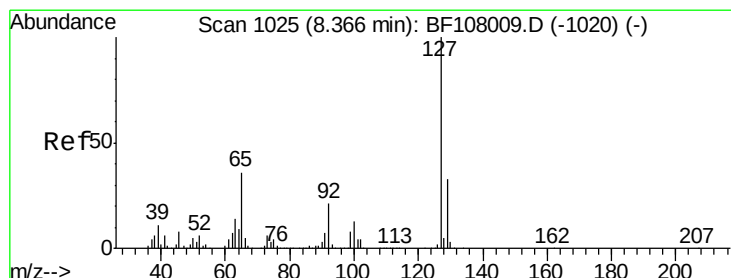
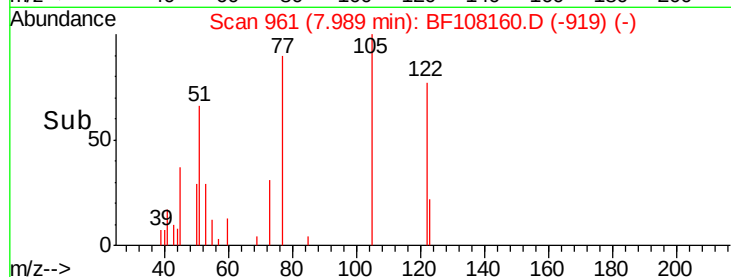
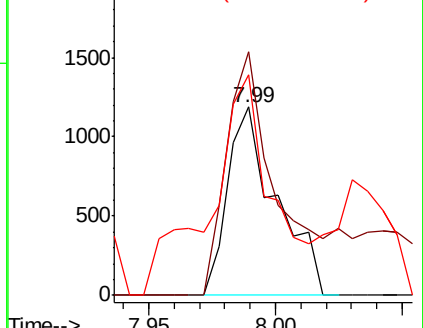
#32
Benzoic acid
Concen: 6.189 ng
RT: 7.99 min Scan# 961
Delta R.T. -0.05 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 1580
Ion Ratio Lower Upper
122 100
105 129.5 101.1 141.1
77 117.0 70.7 110.7#

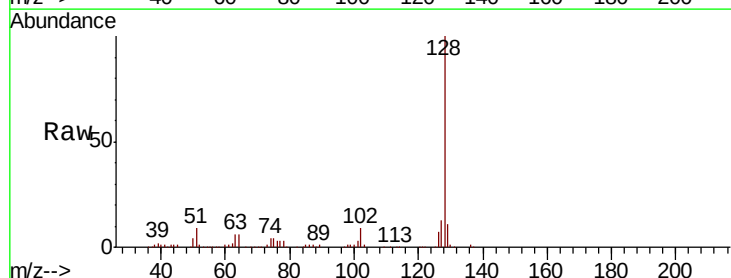


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

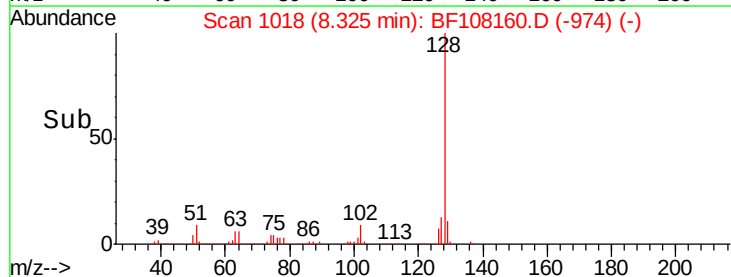
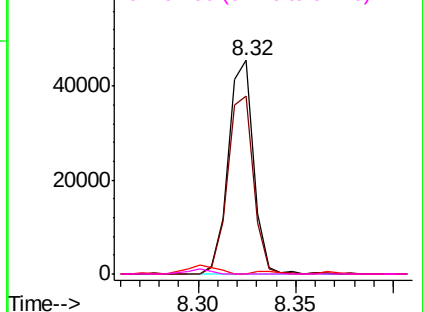


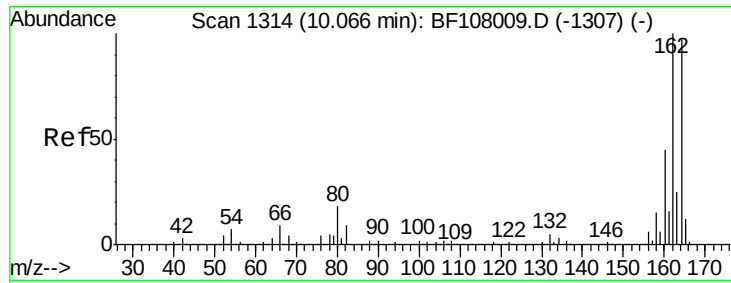
#33
4-Chloroaniline
Concen: 2.804 ng
RT: 8.32 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BF108160.D
Acq: 15 Aug 2018 12:43

Tgt Ion:127 Resp: 40805
Ion Ratio Lower Upper
127 100
129 83.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

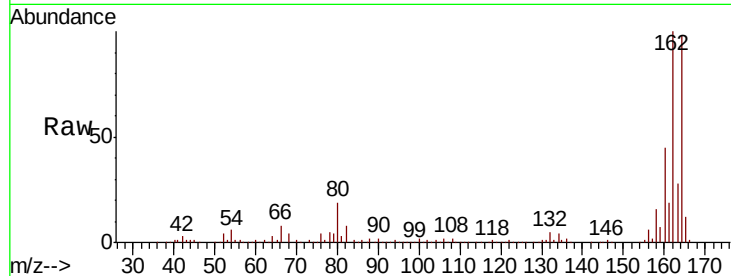




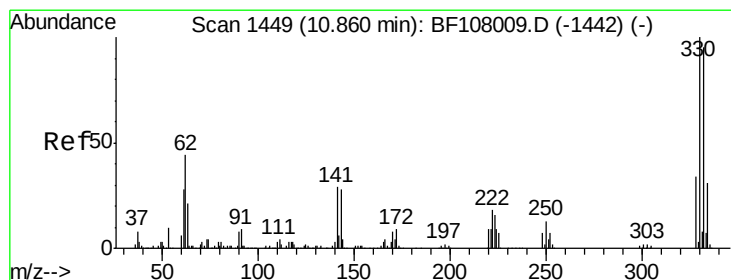
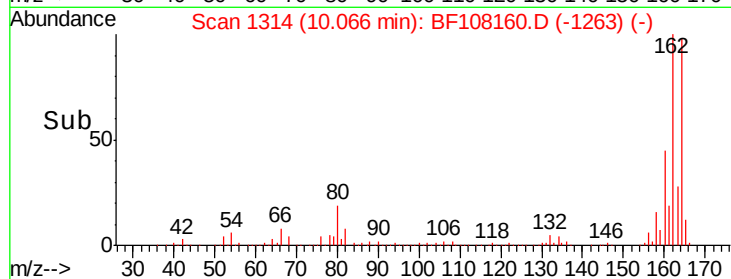
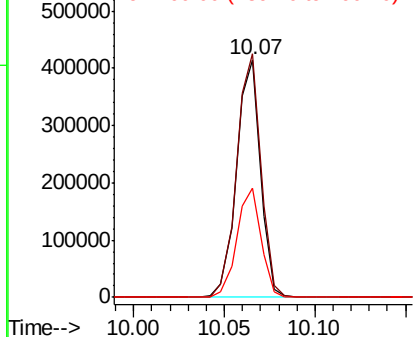
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 378614
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 46.0 38.3 57.5

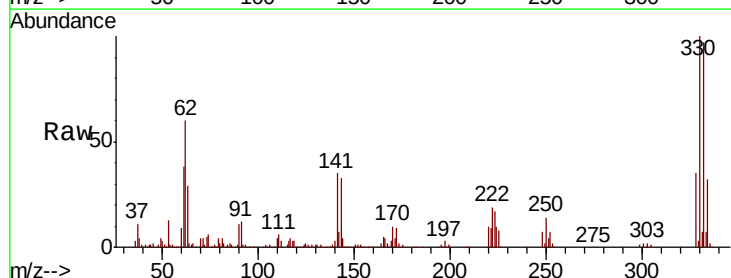


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

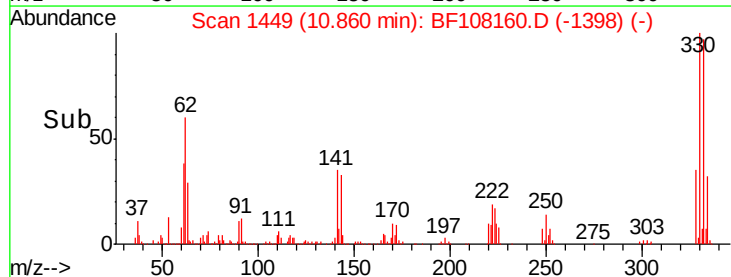
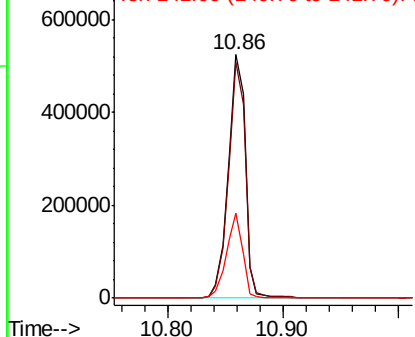


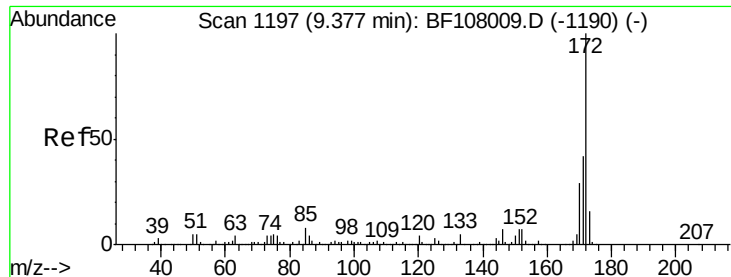
#41
 2,4,6-Tribromophenol
 Concen: 142.210 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

Tgt Ion:330 Resp: 537068
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 33.0 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



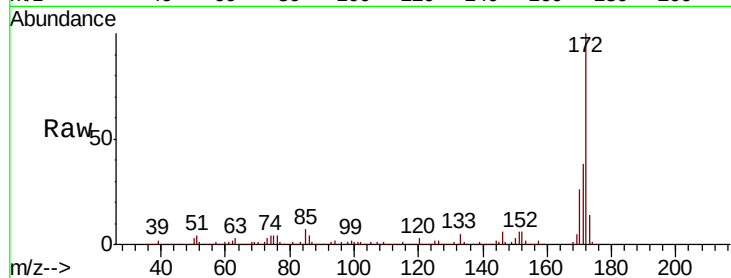


#44
 2-Fluorobiphenyl
 Concen: 83.802 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

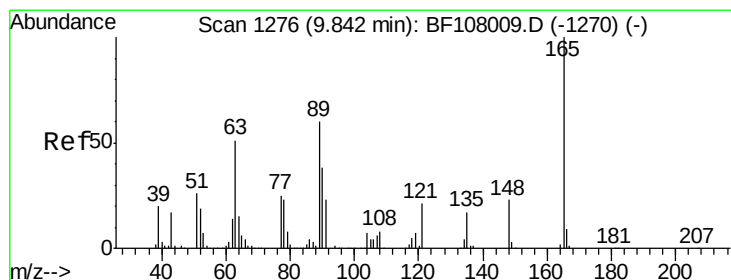
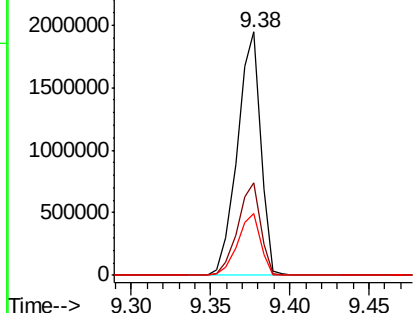
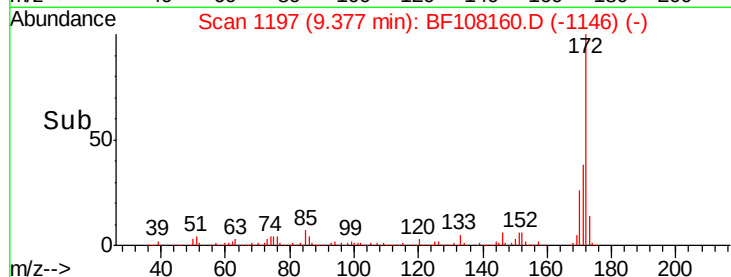
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1976277

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.6	19.6	29.4



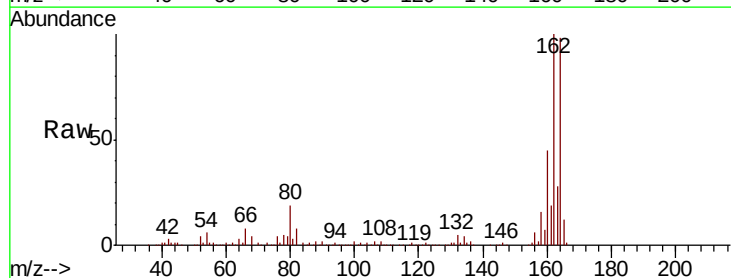
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



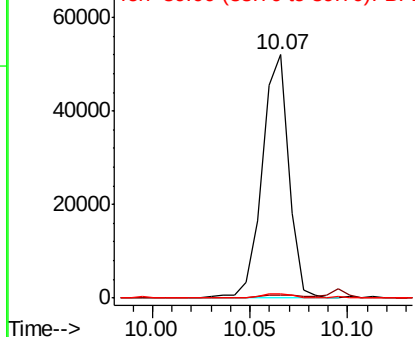
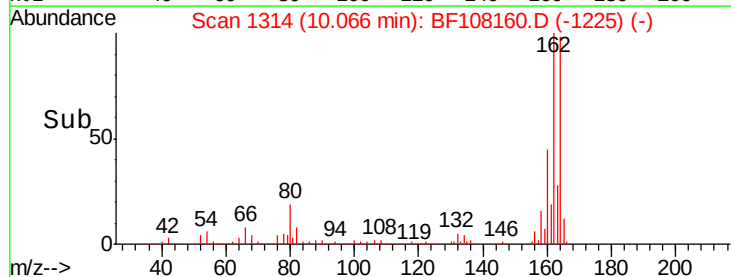
#50
 2,6-Dinitrotoluene
 Concen: 8.911 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.22 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

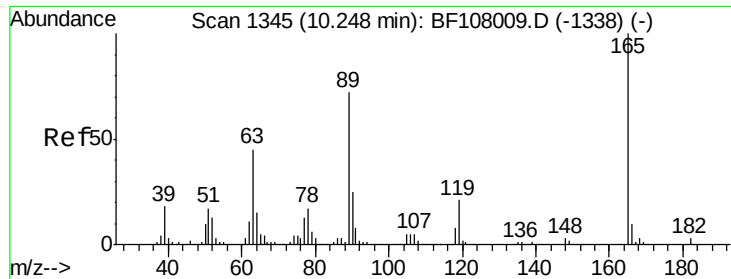
Tgt Ion:165 Resp: 49172

Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.9	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

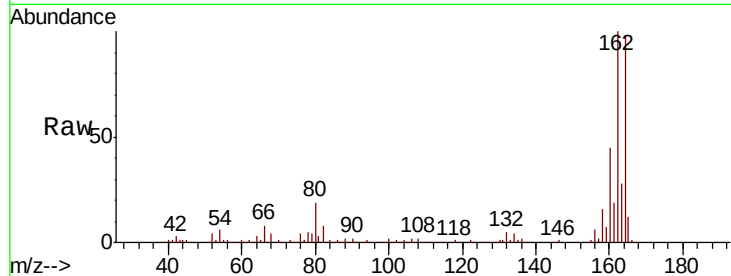




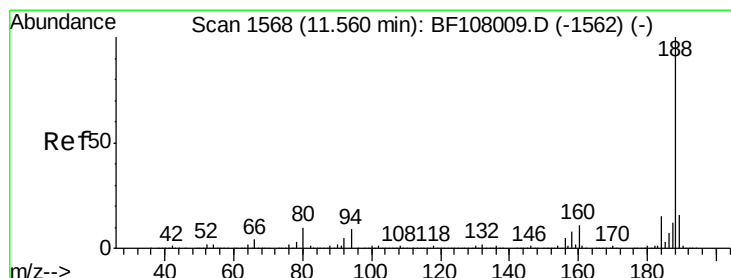
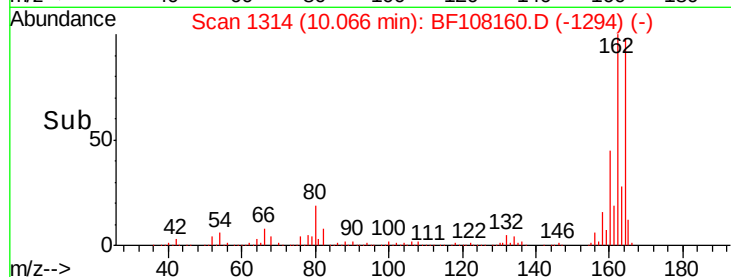
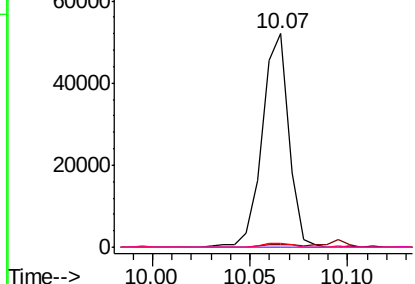
#56
 2,4-Dinitrotoluene
 Concen: 6.923 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

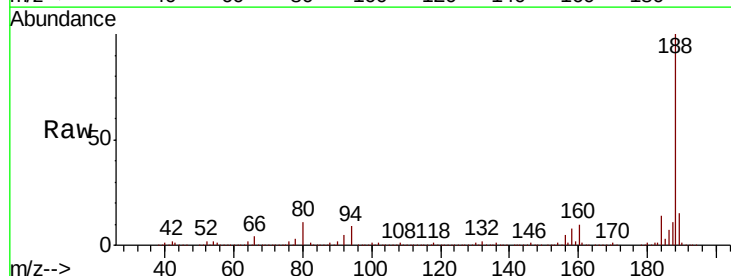


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

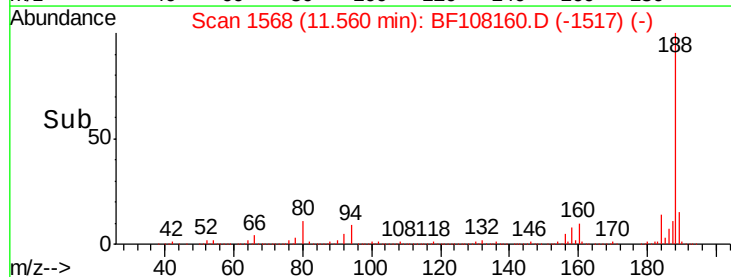
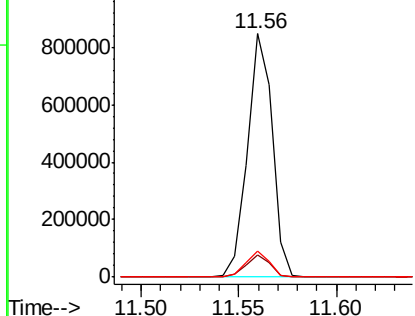


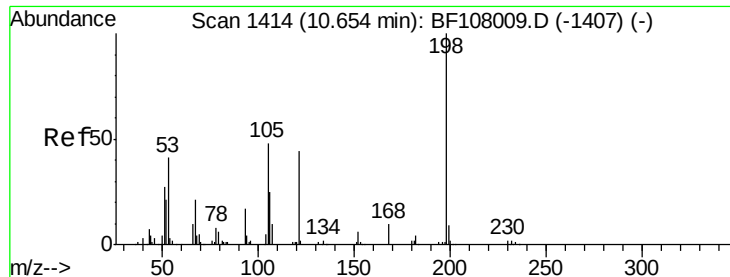
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108160.D
 Acq: 15 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.7	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: 5.792 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.21 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

Instrument :

BNA_F

ClientSampled :

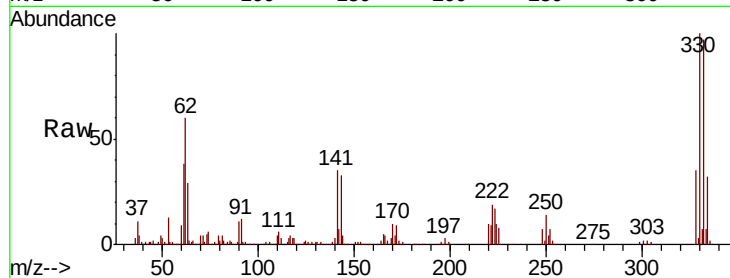
Tot Ion:198 Resp: 1371

Ion Ratio Lower Upper

198 100

51 166.1 37.7 77.7#

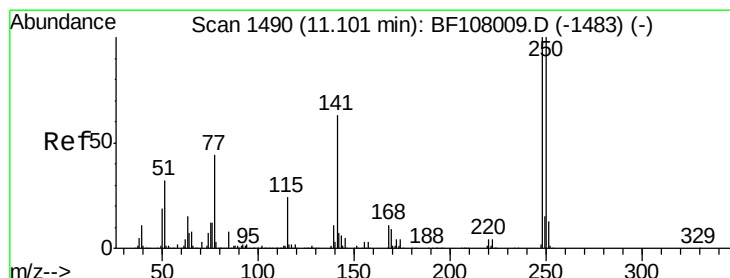
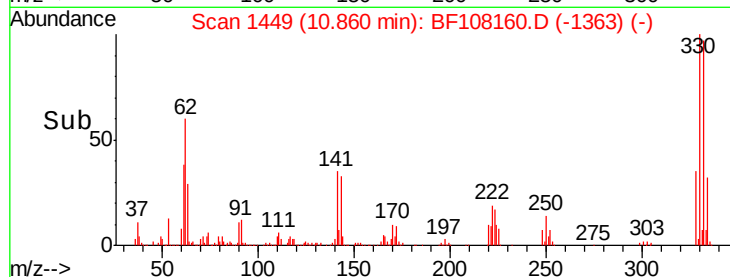
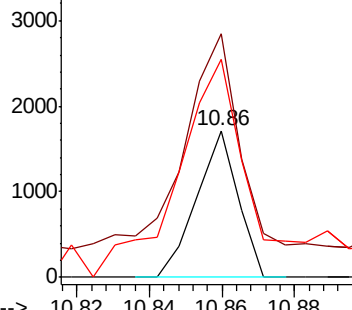
105 148.9 36.3 76.3#



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: 4.504 ng

RT: 10.86 min Scan# 1449

Delta R.T. -0.24 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

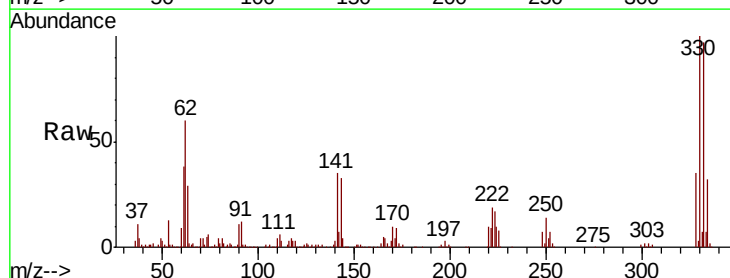
Tgt Ion:248 Resp: 36611

Ion Ratio Lower Upper

248 100

250 195.8 76.9 115.3#

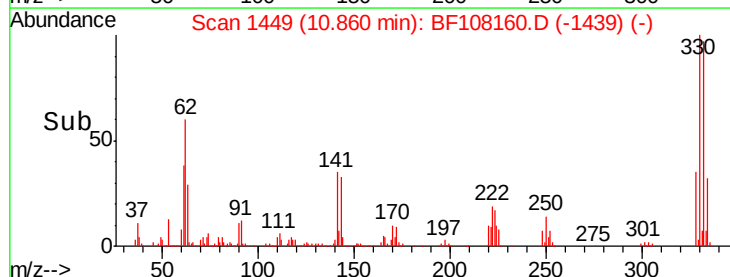
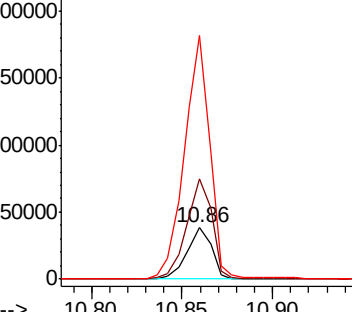
141 476.0 74.4 111.6#

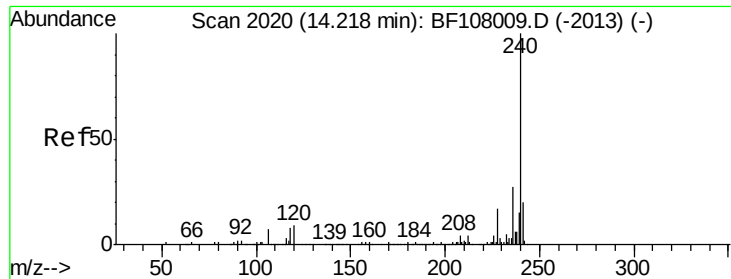


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

Instrument :

BNA_F

ClientSampleId :

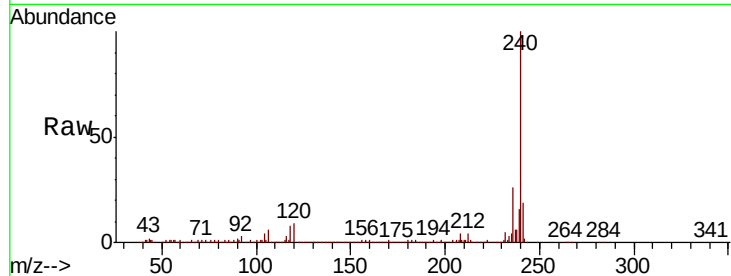
Tot Ion:240 Resp: 541777

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

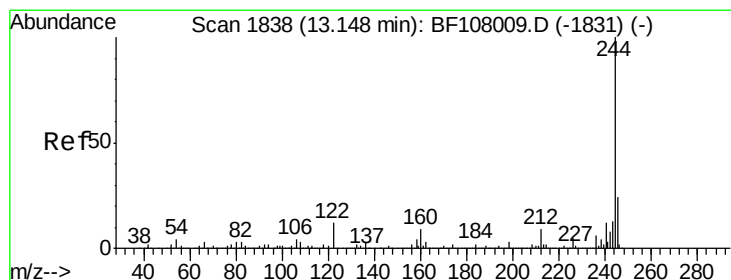
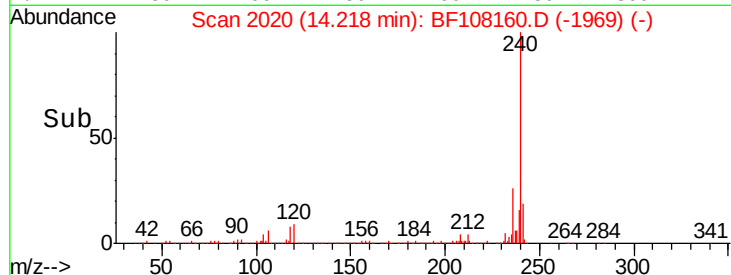
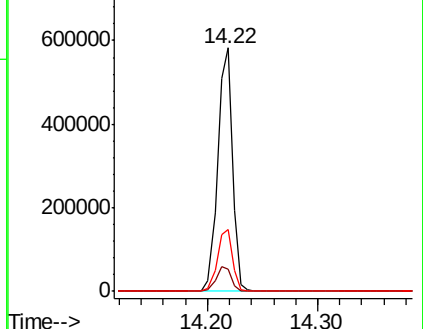
236 25.6 20.7 31.1



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: 104.745 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108160.D

Acq: 15 Aug 2018 12:43

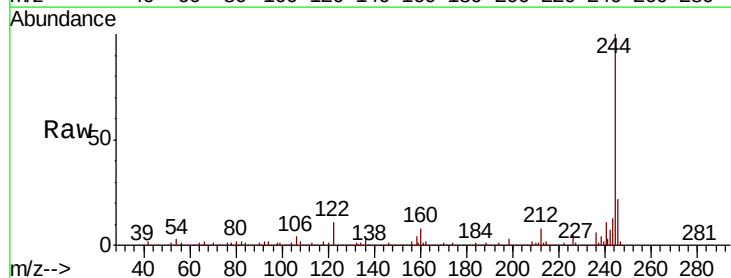
Tgt Ion:244 Resp: 2231943

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

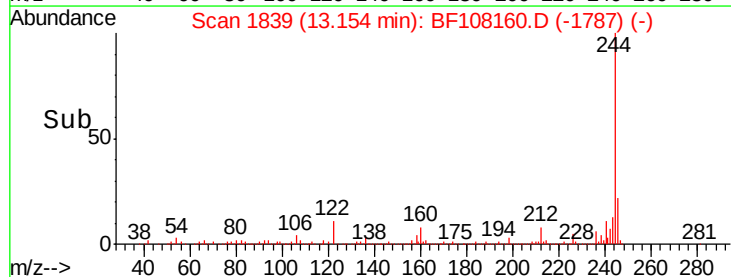
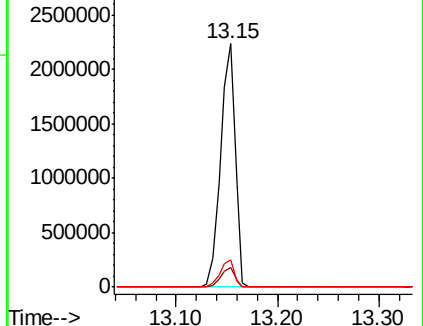
122 11.0 11.0 16.4#

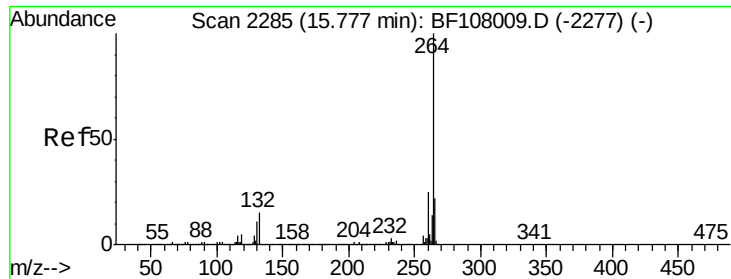


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF108160.D
Acq: 15 Aug 2018 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.5	26.3

