

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108938.D
 Acq On : 11 Sep 2018 16:34
 Operator : JU/SJ
 Sample : PB112758BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 16:58:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

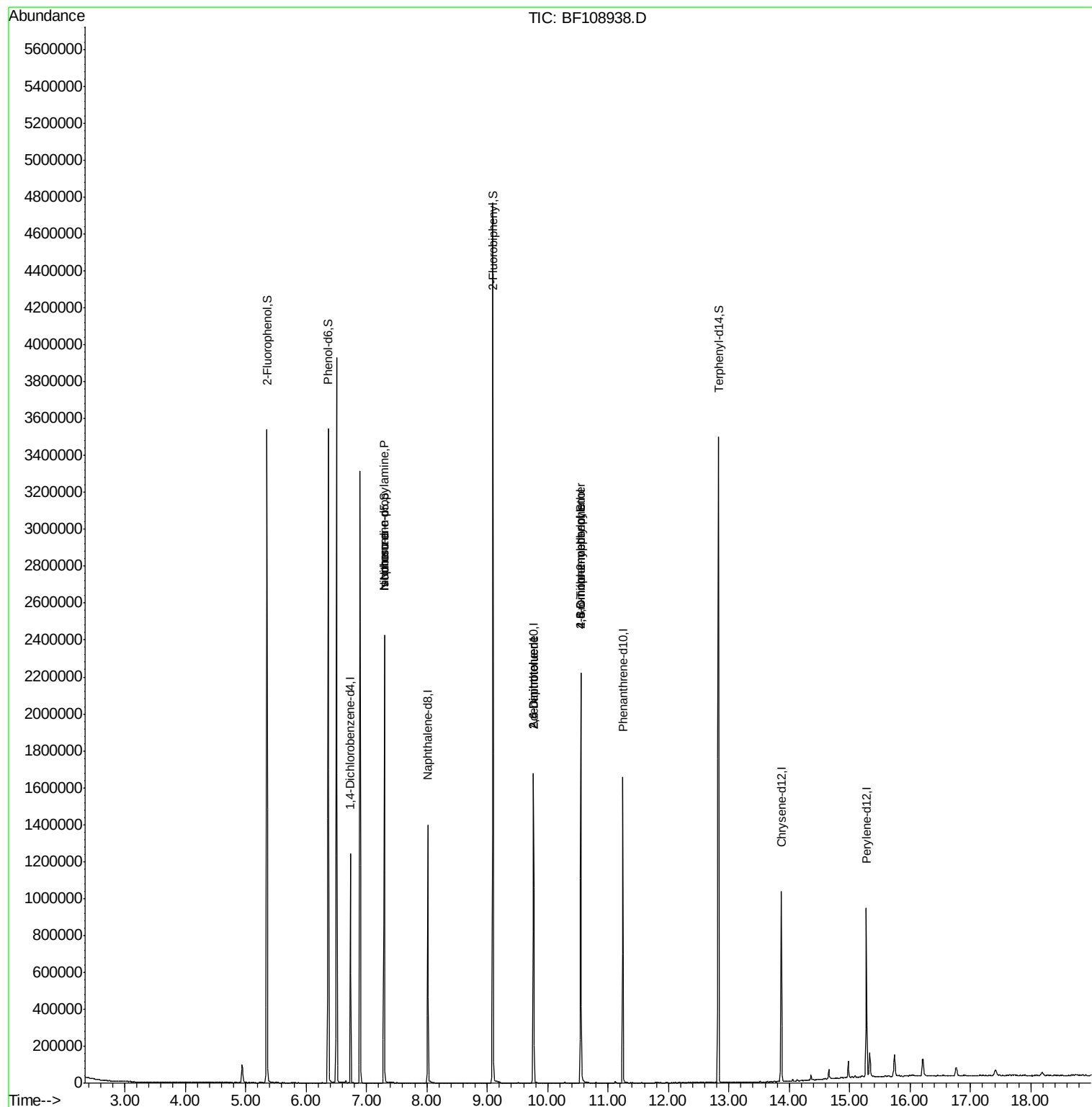
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	165330	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	628131	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	301763	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	559110	20.00	ng	0.00
75) Chrysene-d12	13.87	240	364345	20.00	ng	0.00
86) Perylene-d12	15.28	264	400516	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	996527	99.86	ng	0.02
7) Phenol-d6	6.37	99	1280381	99.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	817077	81.41	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	282763	98.16	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1443503	81.61	ng	0.00
78) Terphenyl-d14	12.83	244	1285178	82.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	109498	12.268	ng	# 77
25) Isophorone	7.30	82	810270	40.471	ng	# 64
50) 2,6-Dinitrotoluene	9.77	165	38373	9.541	ng	# 25
56) 2,4-Dinitrotoluene	9.77	165	38373	7.461	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	591	7.099	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17957	2.844	ng	# 1

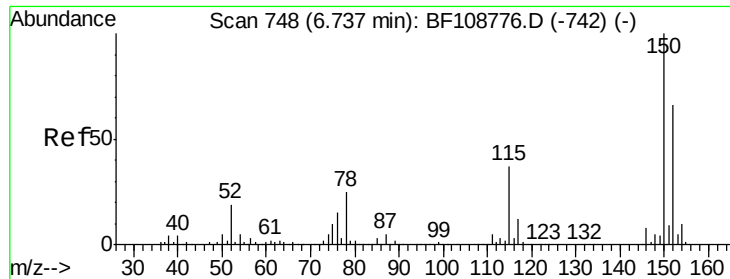
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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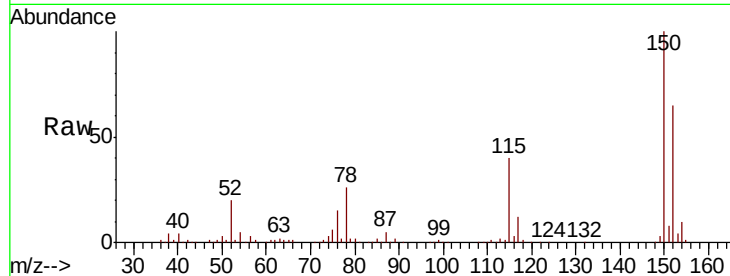


#1

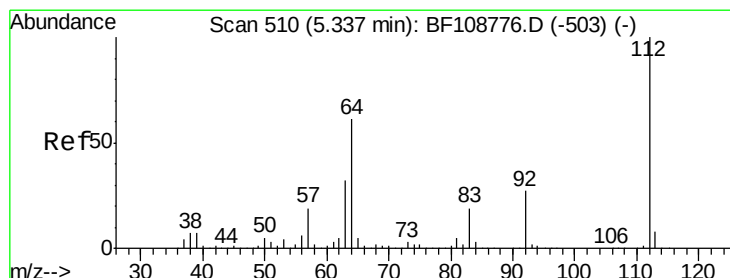
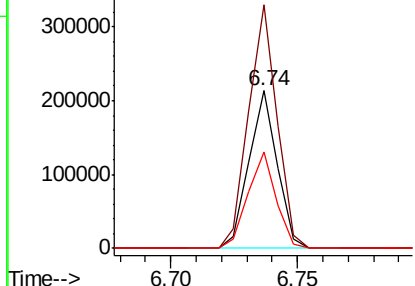
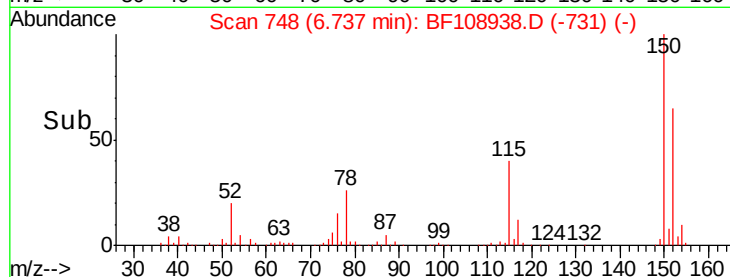
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	61.4	50.1	75.1



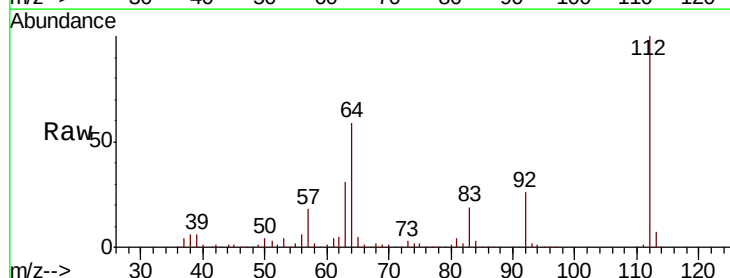
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



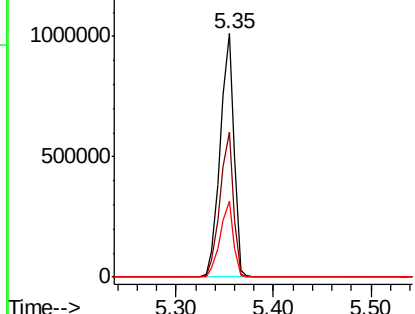
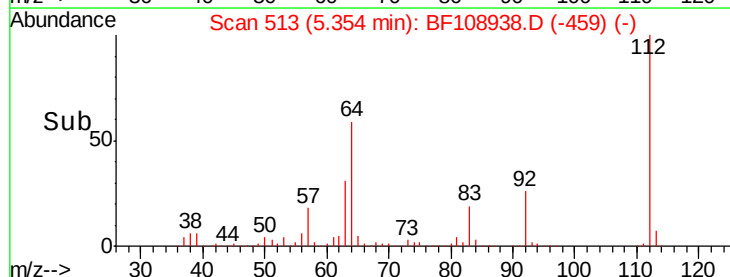
#5

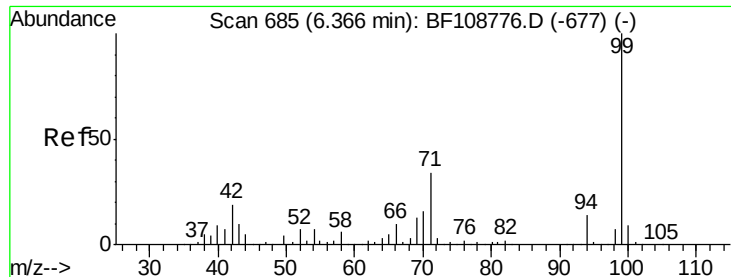
2-Fluorophenol
 Concen: 99.856 ng
 RT: 5.35 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	31.0	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: 99.715 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

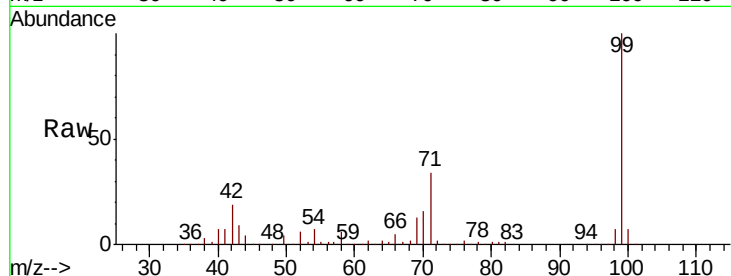
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1280381

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	34.3	25.4	38.0

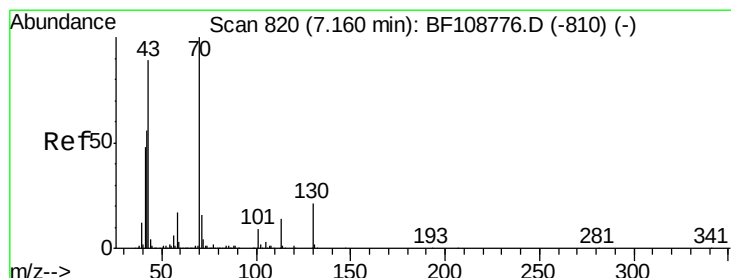
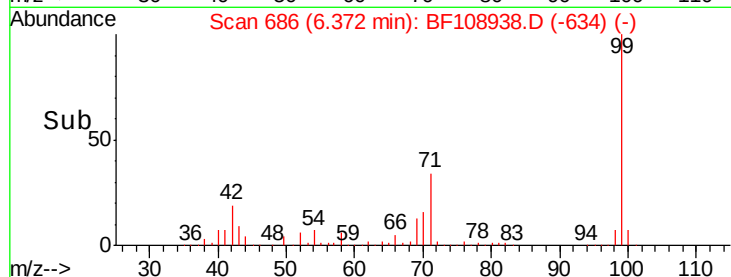
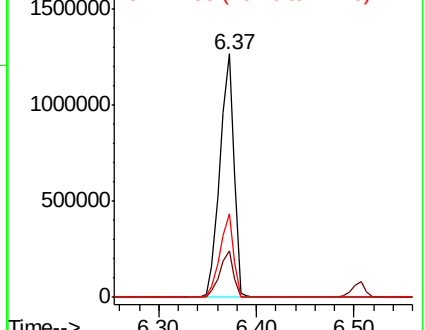


Abundance

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: 12.268 ng

RT: 7.30 min Scan# 843

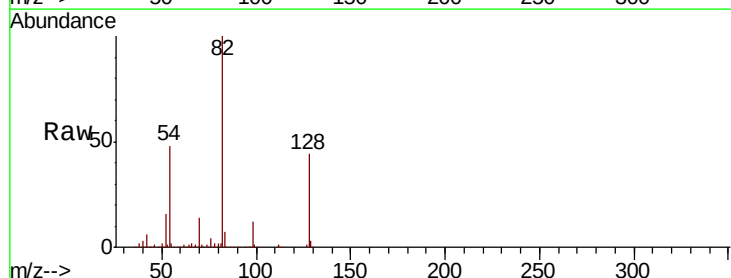
Delta R.T. 0.14 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

Tgt Ion: 70 Resp: 109498

Ion	Ratio	Lower	Upper
70	100		
42	47.3	47.5	71.3#
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



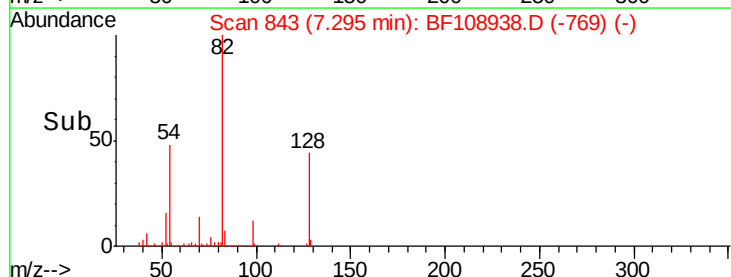
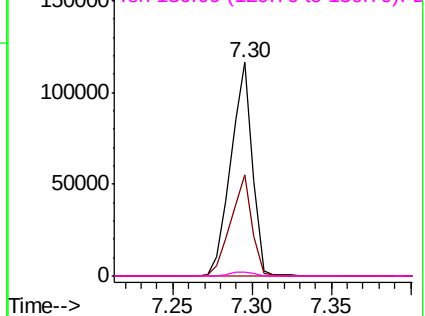
Abundance

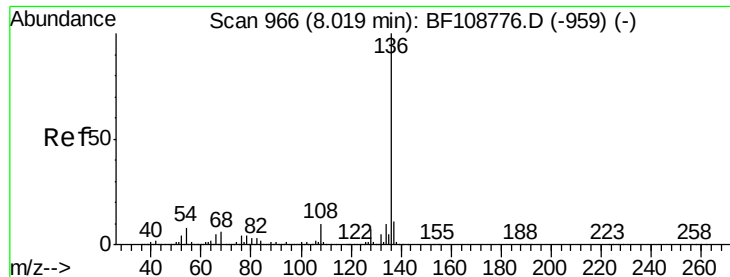
Ion 70.00 (69.70 to 70.70): BF1

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

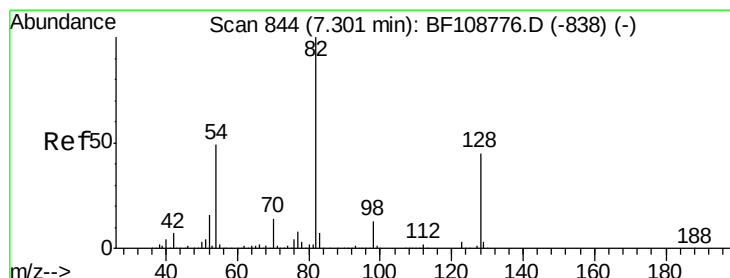
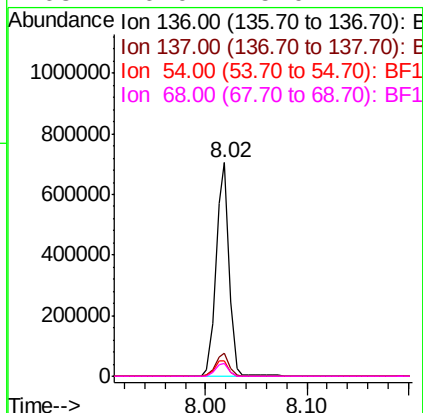
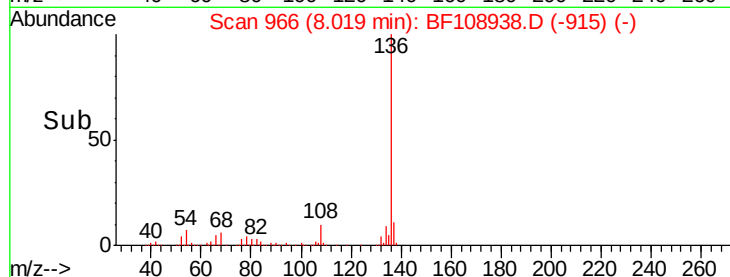
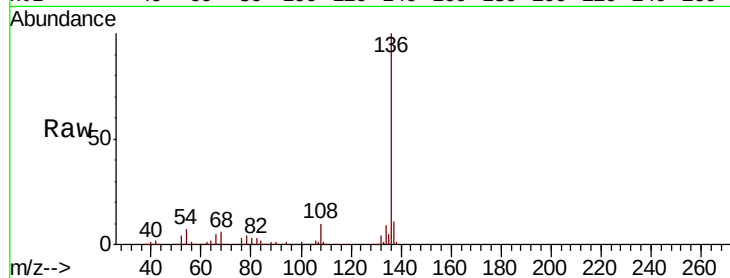




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108938.D
Acq: 11 Sep 2018 16:34

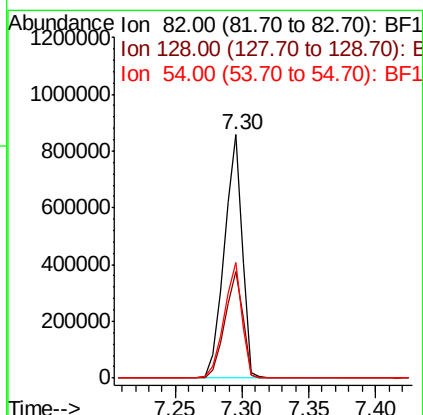
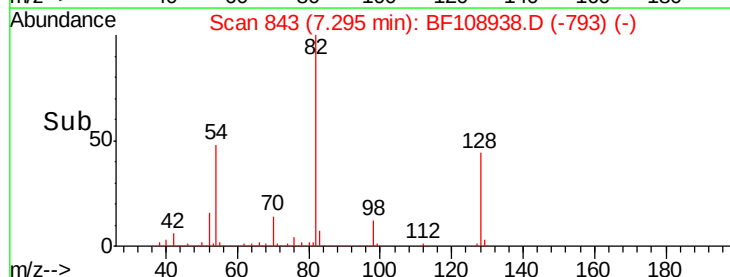
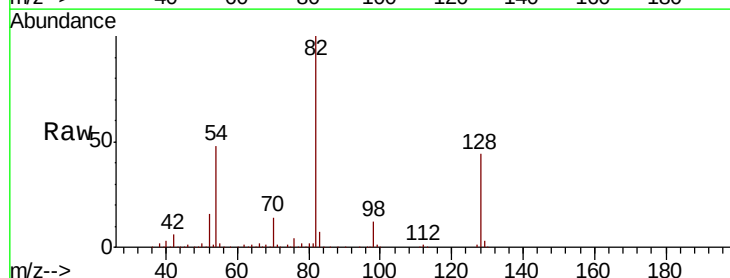
Instrument :
BNA_F
ClientSampleId :

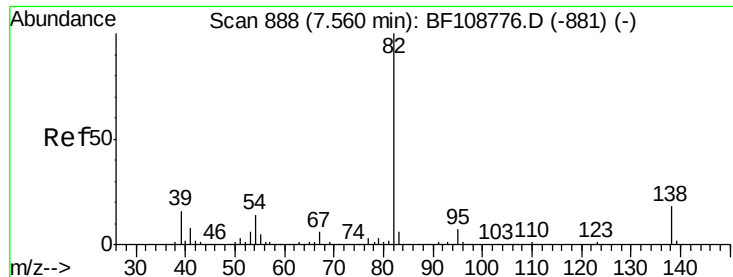
Tot Ion:136	Resp:	628131
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.3	6.6 9.8
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 81.406 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108938.D
Acq: 11 Sep 2018 16:34

Tgt Ion: 82	Resp:	817077
Ion Ratio	Lower	Upper
82	100	
128	43.9	36.1 54.1
54	47.5	41.4 62.2





#25

Isophorone

Concen: 40.471 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

Instrument :

BNA_F

ClientSampleId :

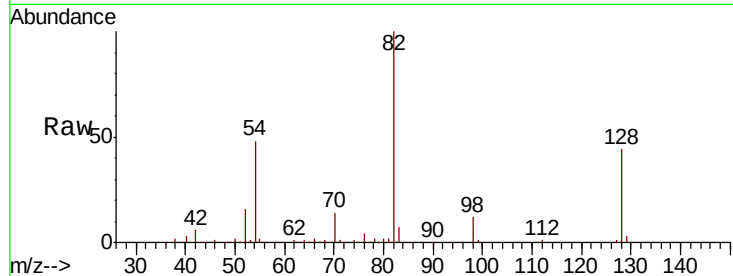
Tot Ion: 82 Resp: 810270

Ion Ratio Lower Upper

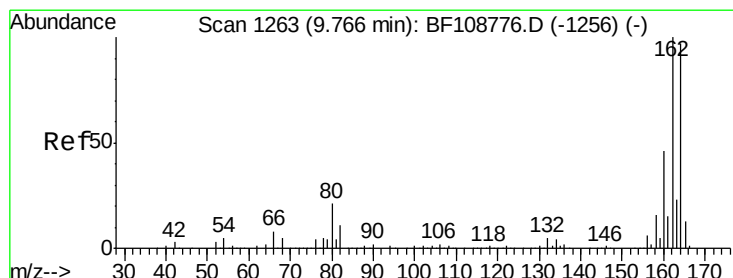
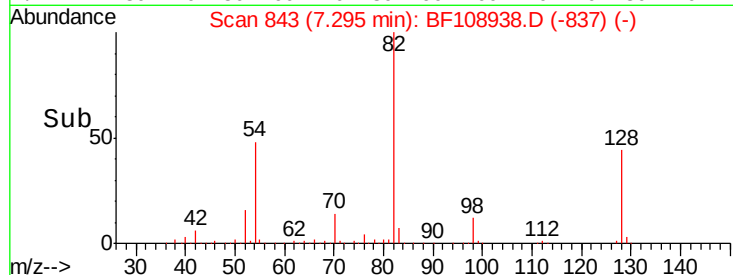
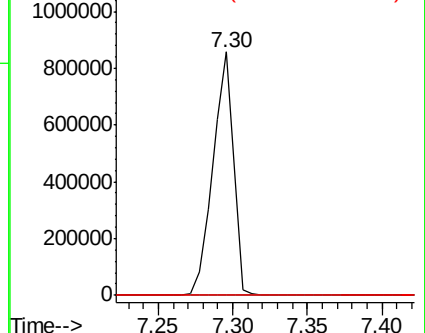
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

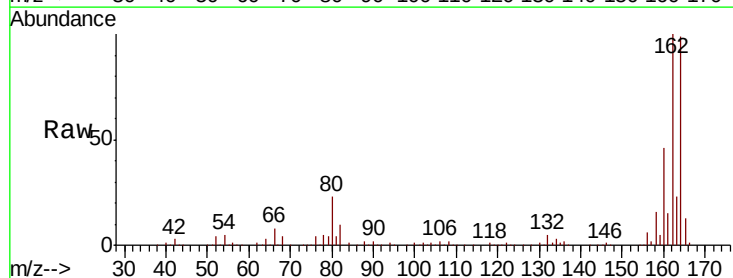
Tgt Ion:164 Resp: 301763

Ion Ratio Lower Upper

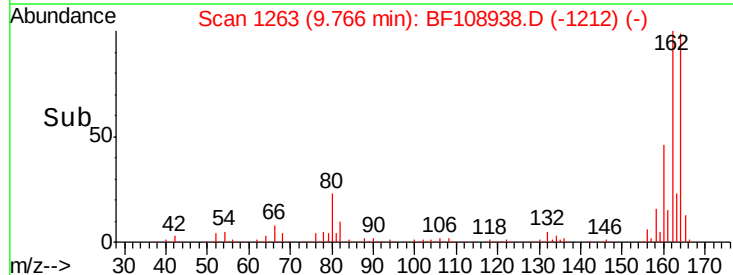
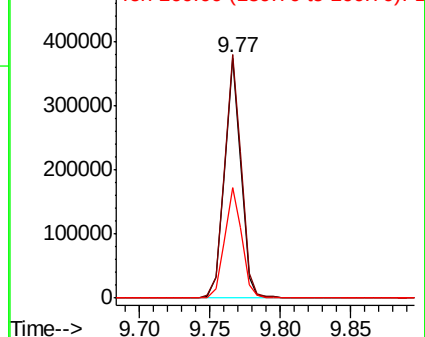
164 100

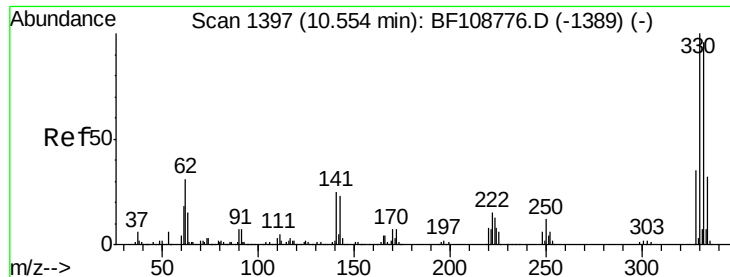
162 101.4 86.1 129.1

160 46.2 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

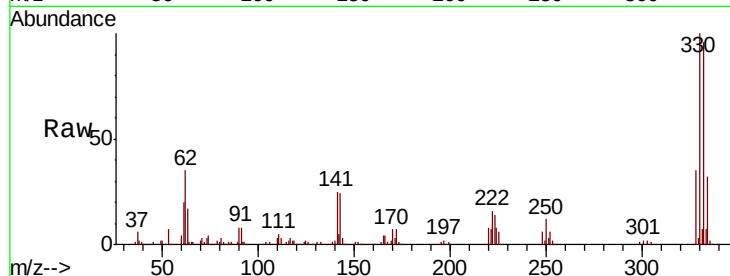




#41
 2,4,6-Tribromophenol
 Concen: 98.155 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	32.3	29.9	44.9

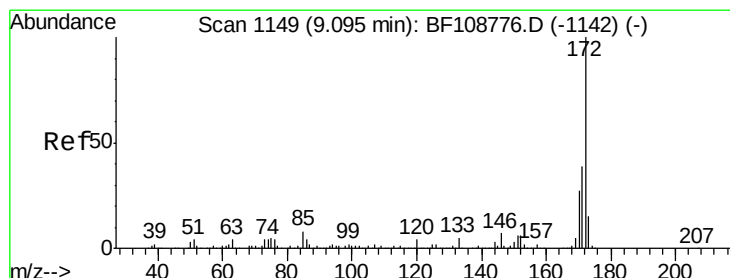
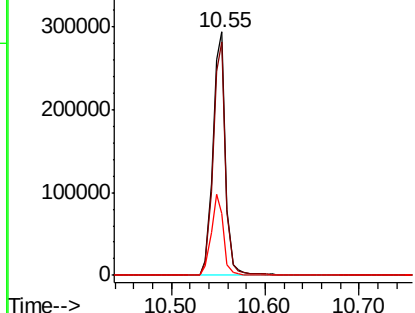
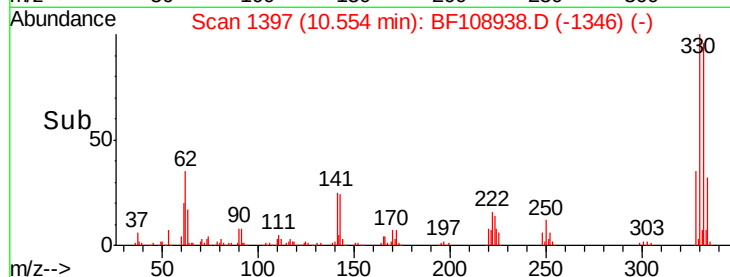


Abundance

Ion 329.80 (329.50 to 330.50): E

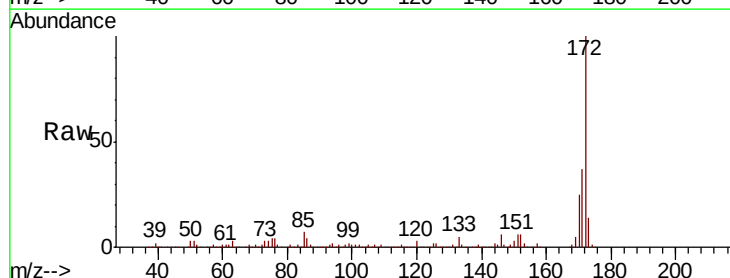
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.607 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	25.0	19.6	29.4

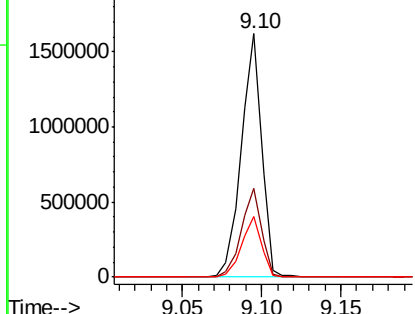
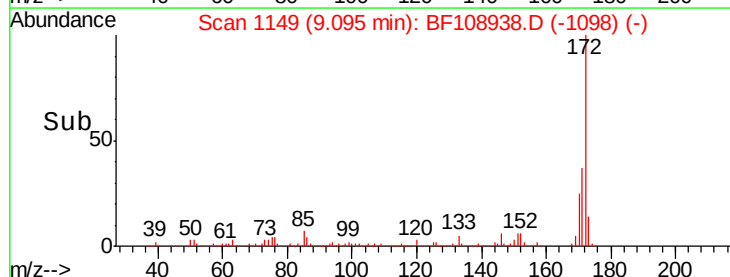


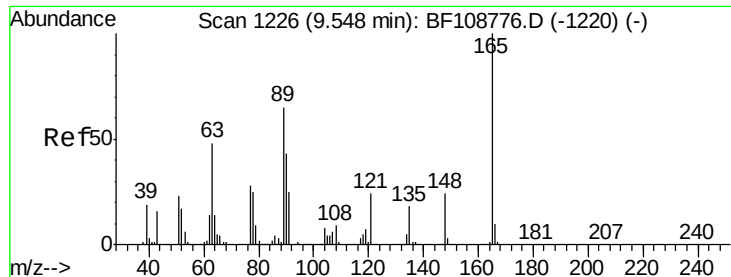
Abundance

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

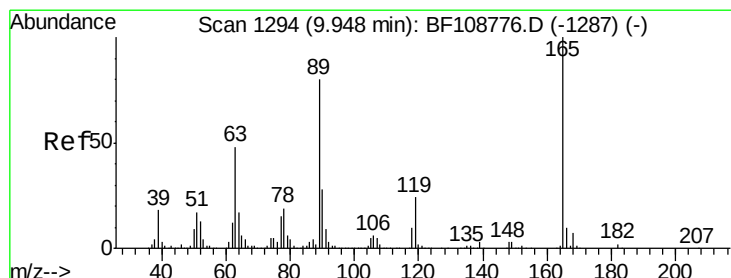
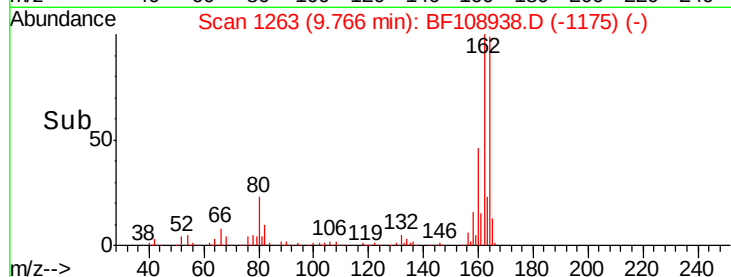
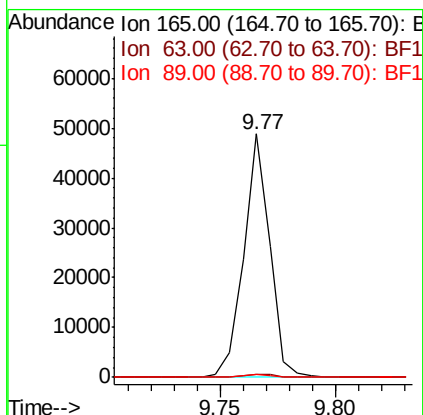
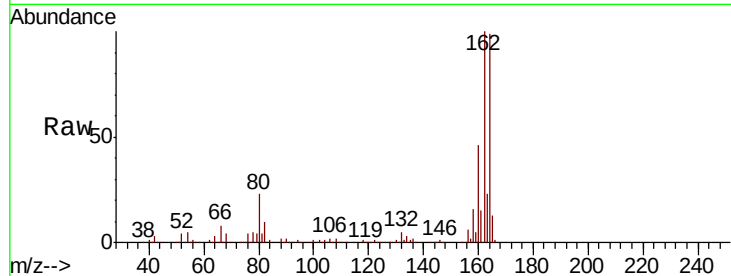




#50
 2,6-Dinitrotoluene
 Concen: 9.541 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

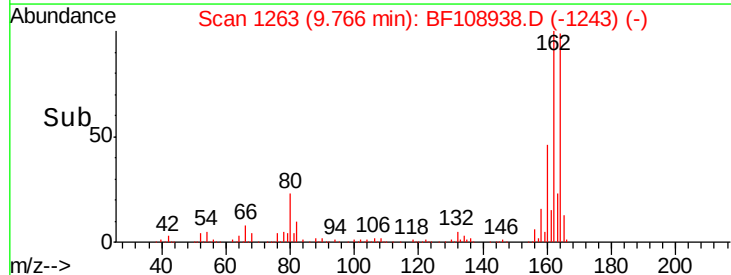
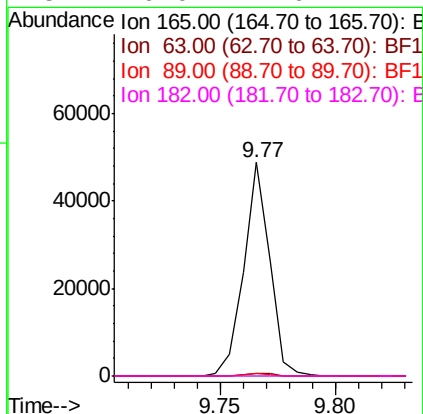
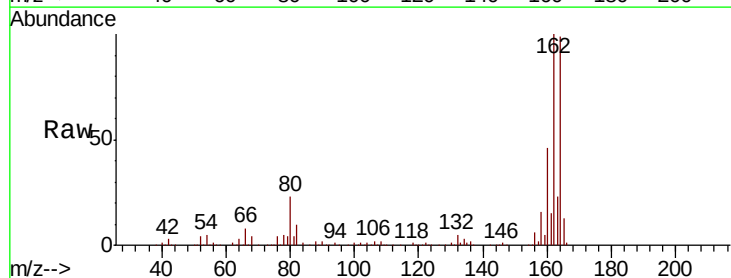
Instrument :
 BNA_F
 ClientSampleId :

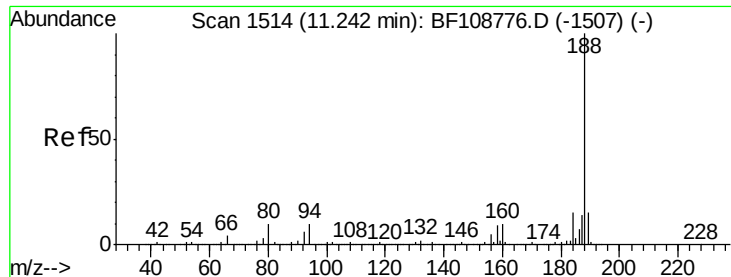
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.461 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108938.D
 Acq: 11 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

Instrument :

BNA_F

ClientSampleId :

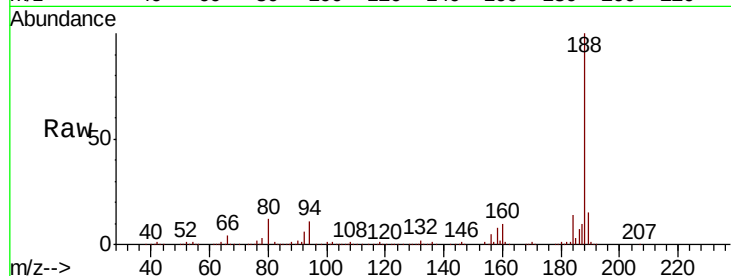
Tot Ion:188 Resp: 559110

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

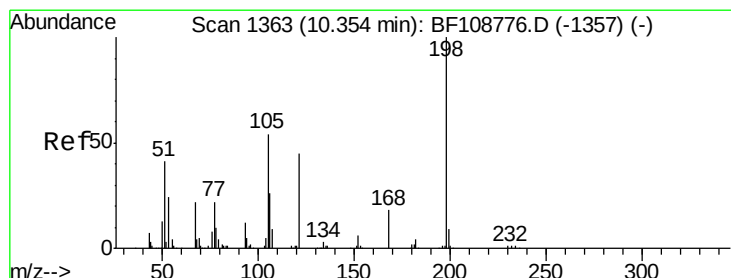
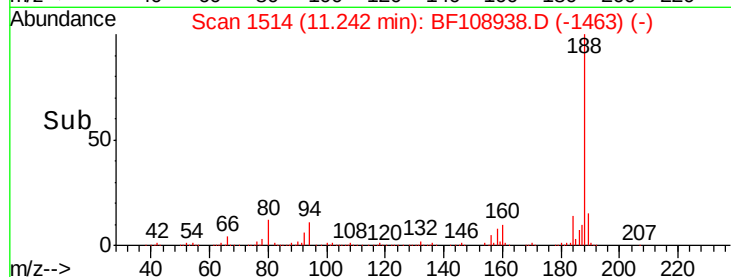
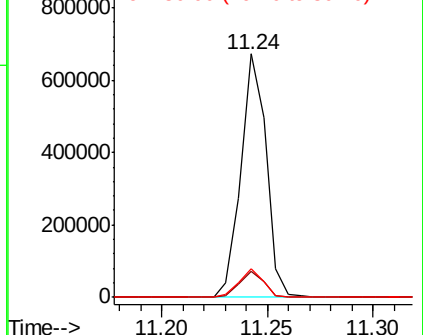
80 11.6 9.2 13.8



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: 7.099 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

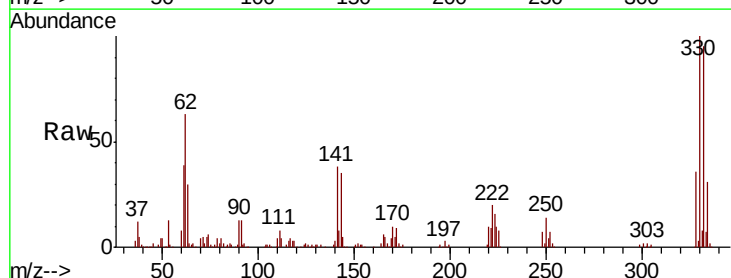
Tgt Ion:198 Resp: 591

Ion Ratio Lower Upper

198 100

51 184.4 37.7 77.7#

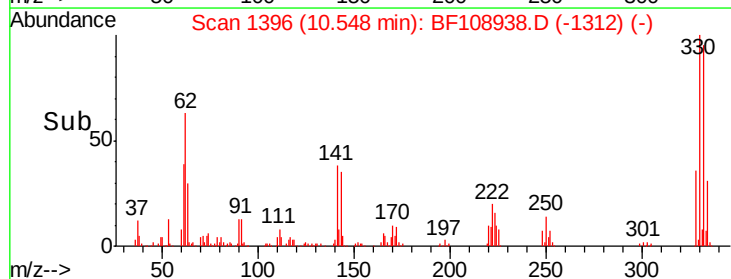
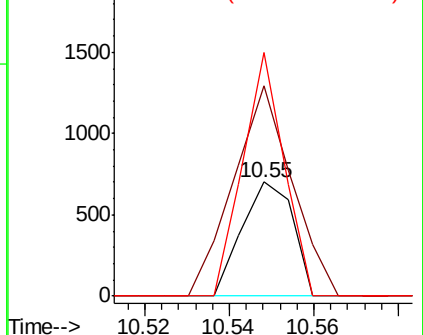
105 213.1 36.3 76.3#

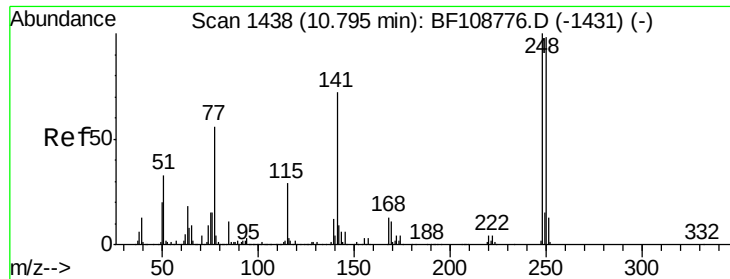


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

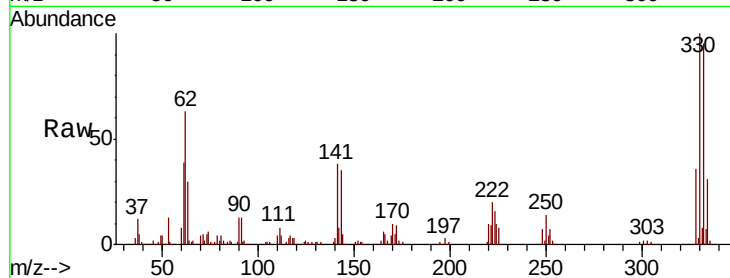




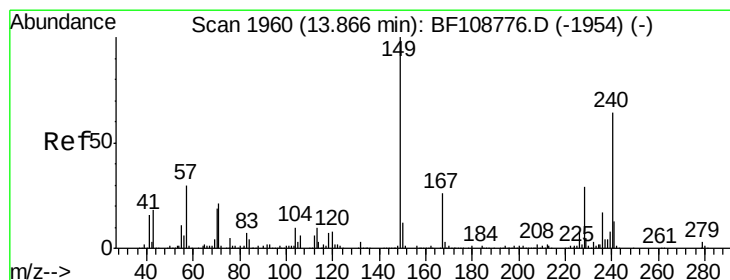
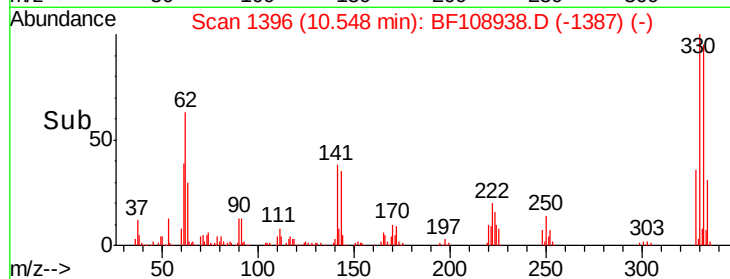
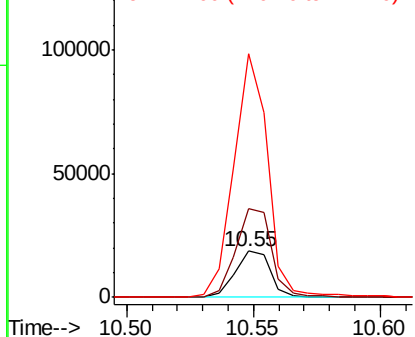
#66
4-Bromophenyl-phenylether
Concen: 2.844 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.25 min
Lab File: BF108938.D
Acq: 11 Sep 2018 16:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17957
Ion Ratio Lower Upper
248 100
250 193.4 76.9 115.3#
141 529.7 74.4 111.6#

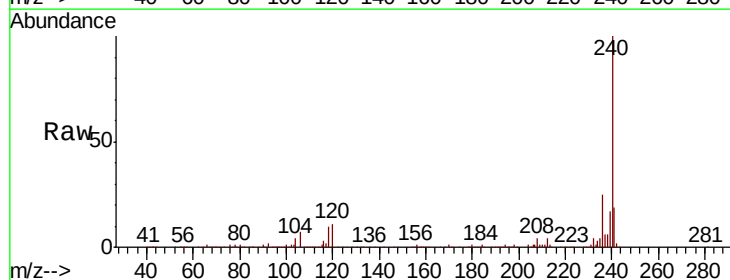


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

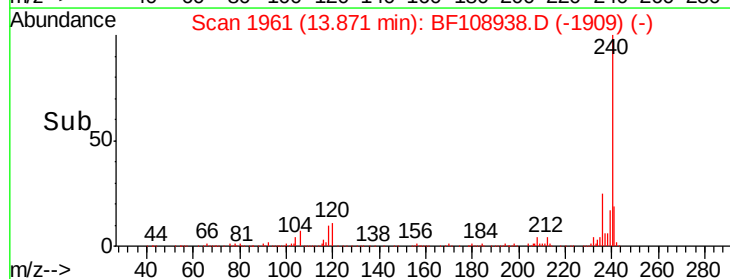
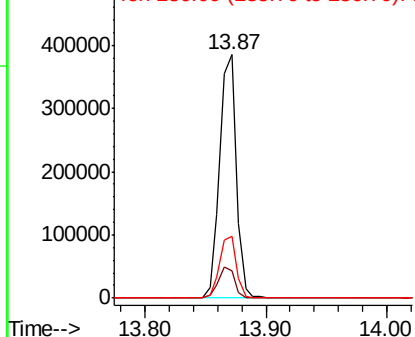


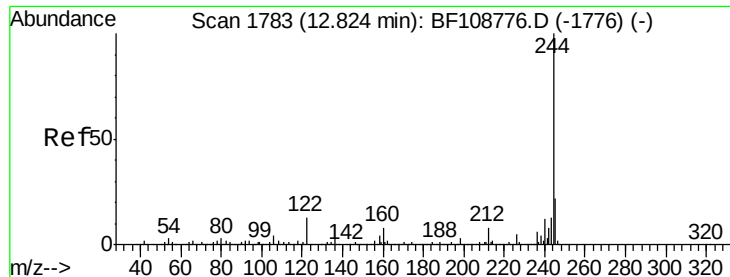
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108938.D
Acq: 11 Sep 2018 16:34

Tgt Ion:240 Resp: 364345
Ion Ratio Lower Upper
240 100
120 11.0 9.5 14.3
236 25.3 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: 82.255 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

Instrument :

BNA_F

ClientSampleId :

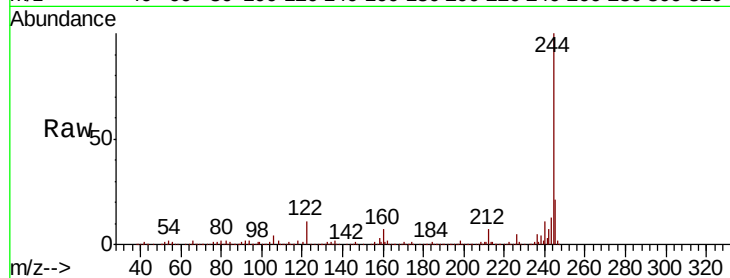
Tot Ion:244 Resp: 1285178

Ion Ratio Lower Upper

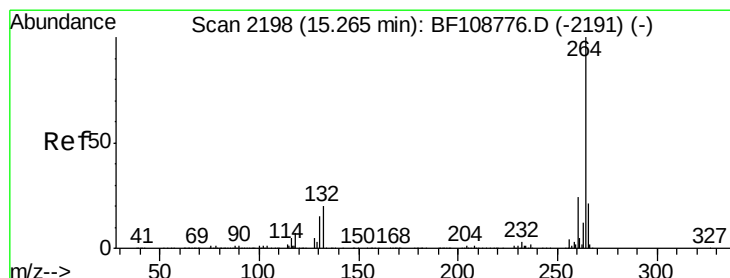
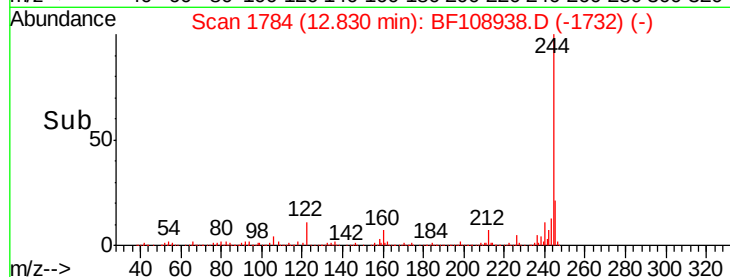
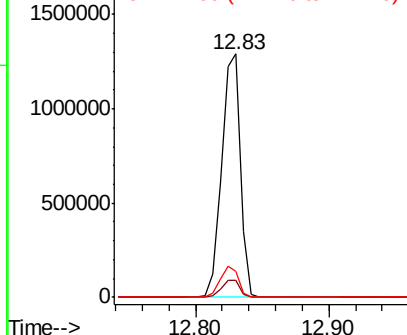
244 100

212 7.0 5.4 8.0

122 10.8 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: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108938.D

Acq: 11 Sep 2018 16:34

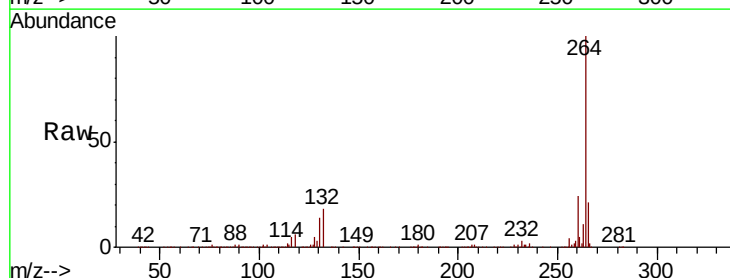
Tgt Ion:264 Resp: 400516

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 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

