

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108382.D
 Acq On : 22 Aug 2018 14:49
 Operator : JU/SJ
 Sample : PB112238BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 15:53:55 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

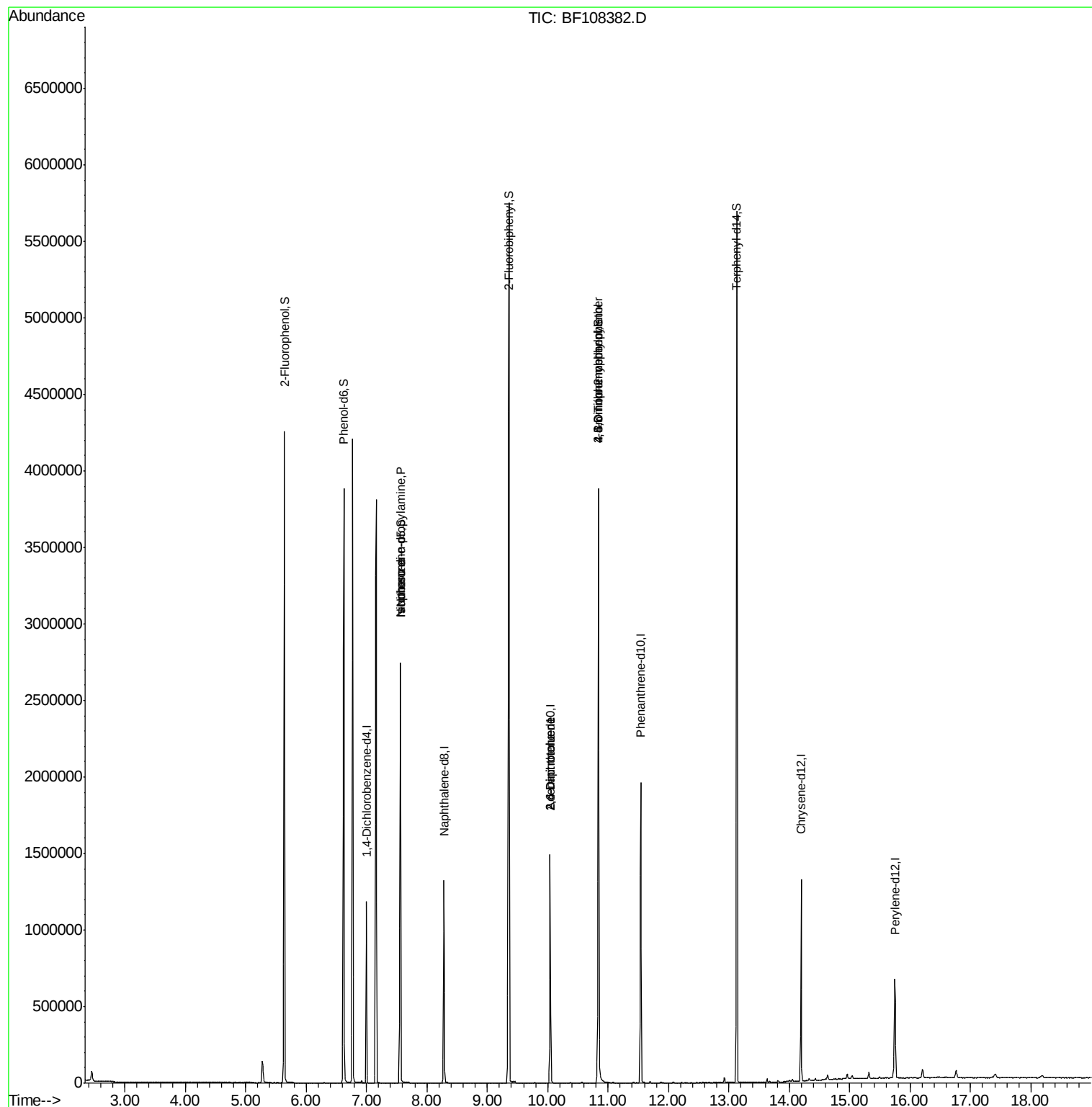
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	166162	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	631485	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	332799	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	691843	20.00	ng	0.00
75) Chrysene-d12	14.19	240	436779	20.00	ng	0.00
86) Perylene-d12	15.75	264	312833	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1177477	128.29	ng	0.01
7) Phenol-d6	6.62	99	1568824	128.63	ng	0.00
23) Nitrobenzene-d5	7.57	82	1066712	94.26	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	529141	159.40	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	2062470	99.50	ng	0.00
78) Terphenyl-d14	13.13	244	2227729	129.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	144715	17.547	ng	# 80
25) Isophorone	7.57	82	1060801	49.180	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	42747	8.813	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	42747	6.847	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	1131	5.745	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	35074	4.665	ng	# 1

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

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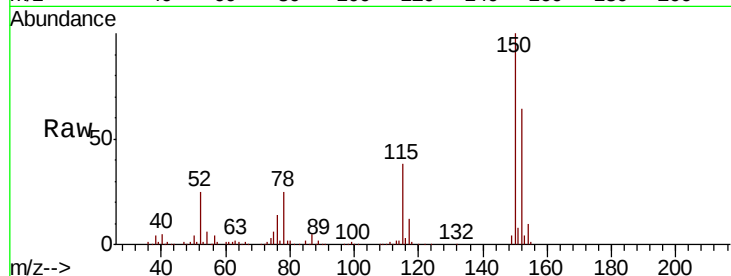


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	59.6	50.1	75.1

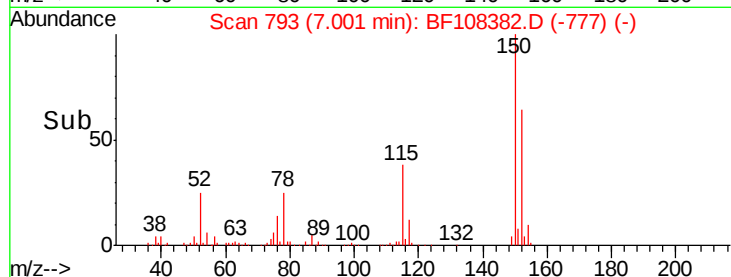
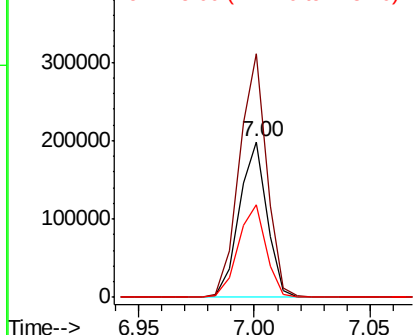


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

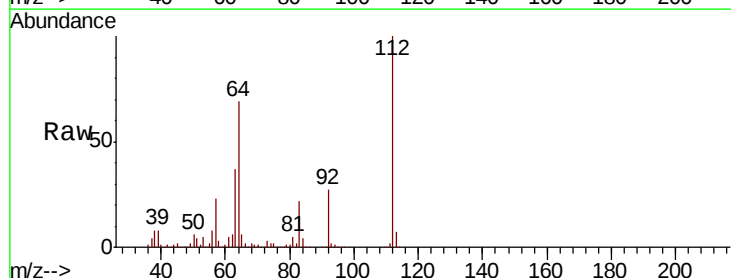
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.295 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	47.9	71.9
63	37.1	23.7	35.5

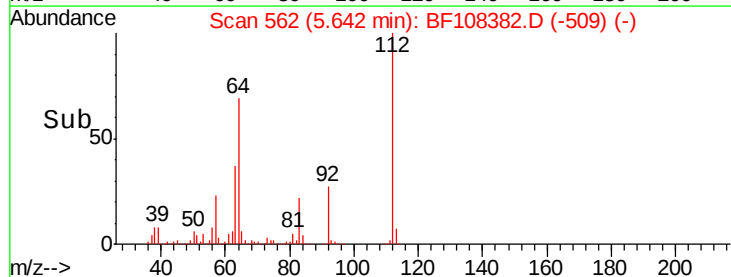
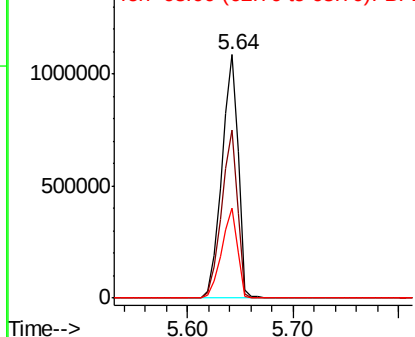


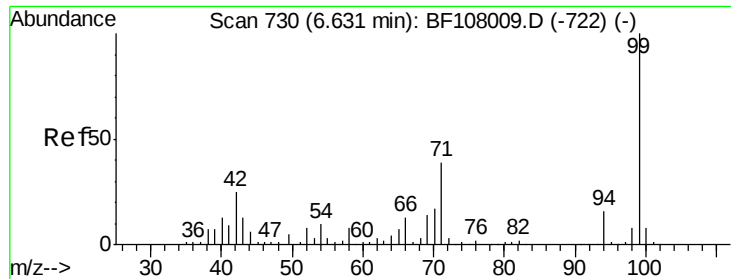
Abundance

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: 128.632 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108382.D

Acq: 22 Aug 2018 14:49

Instrument :

BNA_F

ClientSampleId :

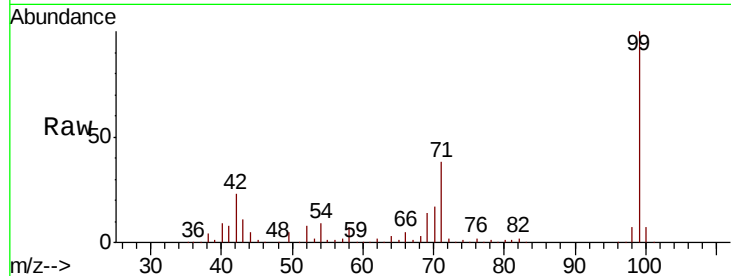
Tot Ion: 99 Resp: 1568824

Ion Ratio Lower Upper

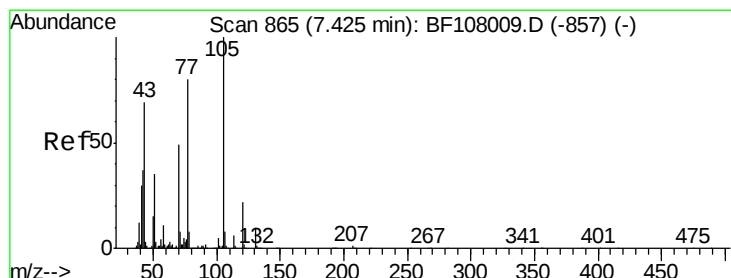
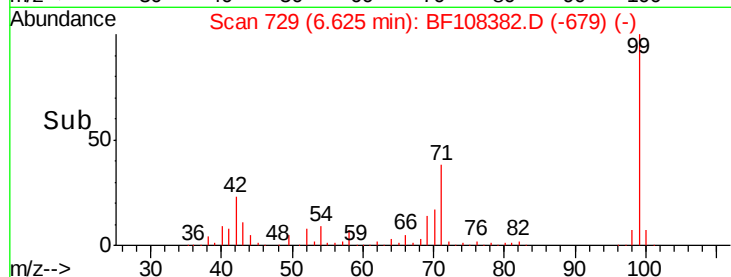
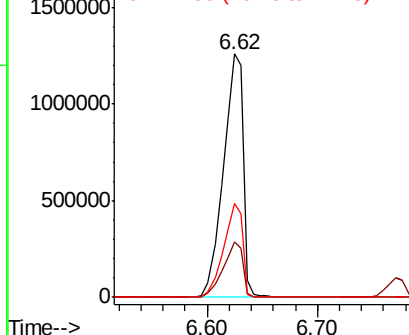
99 100

42 22.9 14.5 21.7#

71 38.4 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: 17.547 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108382.D

Acq: 22 Aug 2018 14:49

Tgt Ion: 70 Resp: 144715

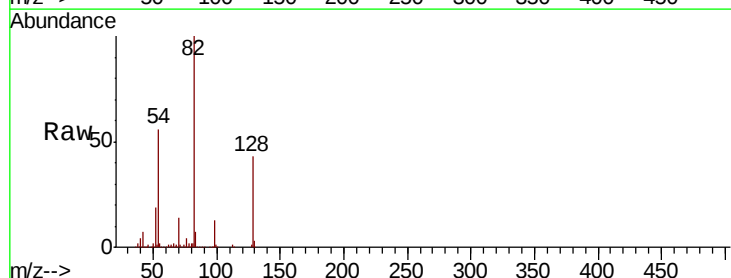
Ion Ratio Lower Upper

70 100

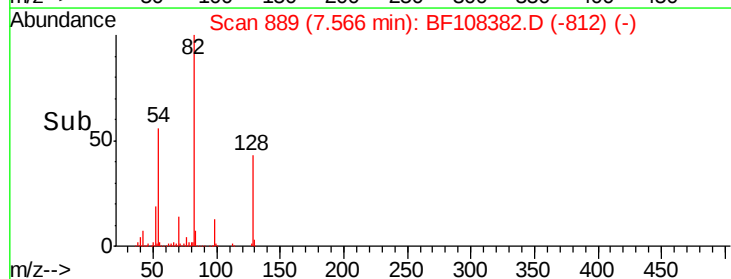
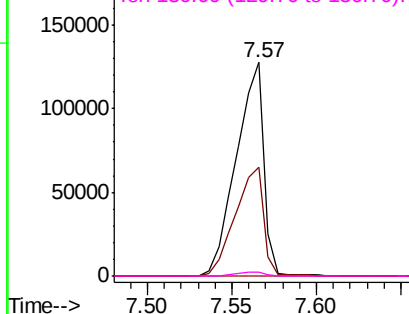
42 51.0 47.5 71.3

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

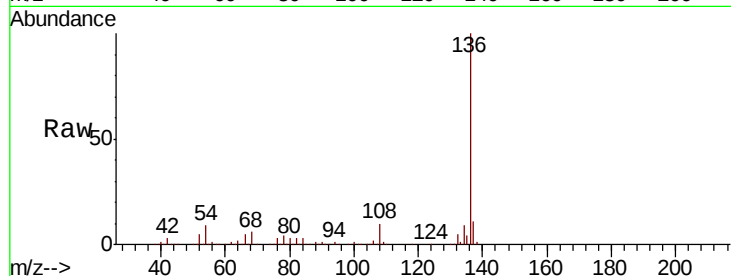




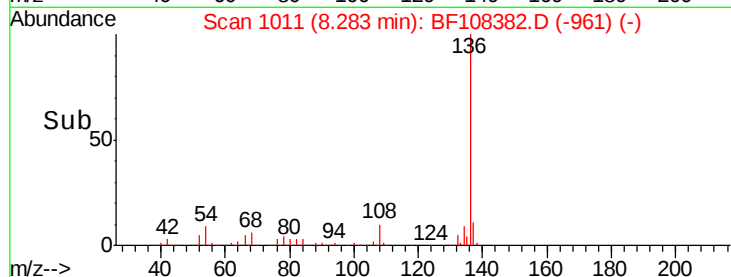
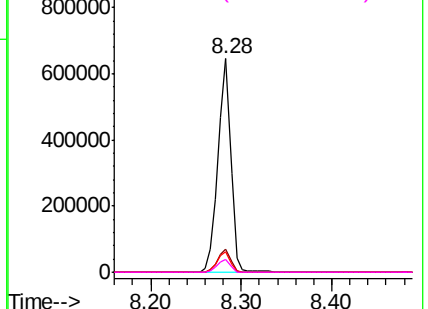
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	631485
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.5	6.6 9.8
68	6.0	5.0 7.4

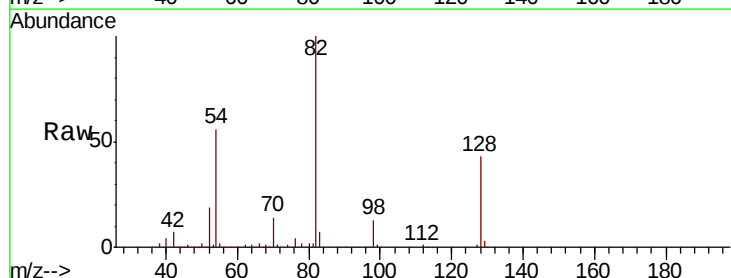


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

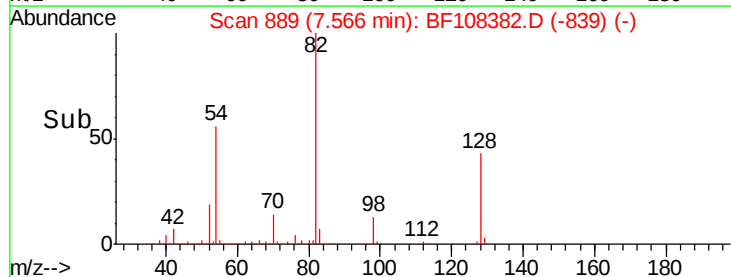
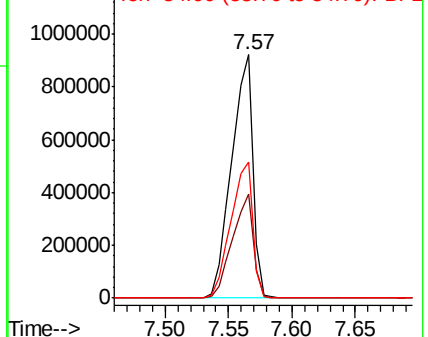


#23
Nitrobenzene-d5
Concen: 94.260 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Tgt Ion: 82	Resp:	1066712
Ion Ratio	Lower	Upper
82	100	
128	43.0	36.1 54.1
54	56.1	41.4 62.2



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: 49.180 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108382.D

Acq: 22 Aug 2018 14:49

Instrument :

BNA_F

ClientSampled :

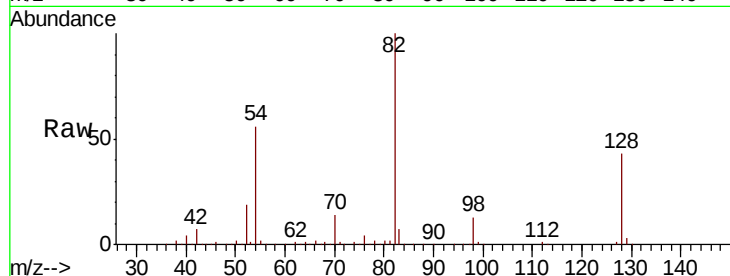
Tot Ion: 82 Resp: 1060801

Ion Ratio Lower Upper

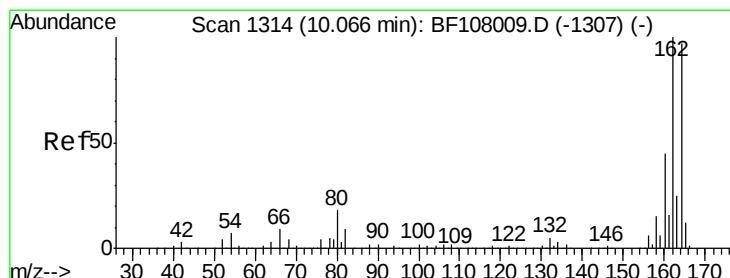
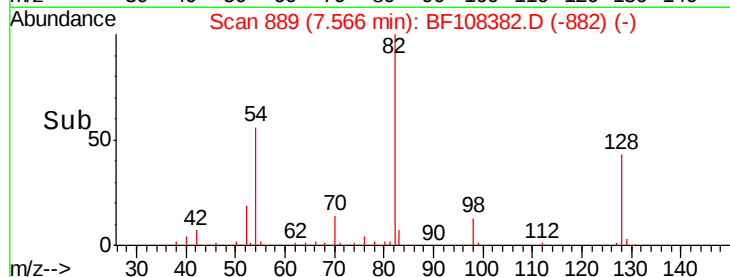
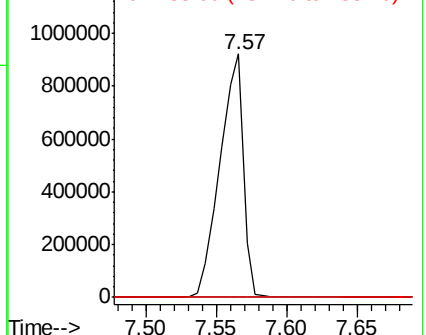
82 100

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: BF108382.D

Acq: 22 Aug 2018 14:49

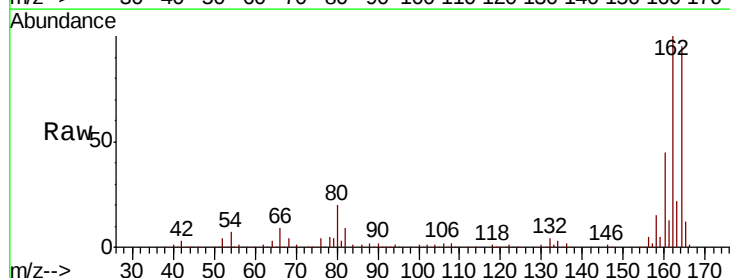
Tgt Ion:164 Resp: 332799

Ion Ratio Lower Upper

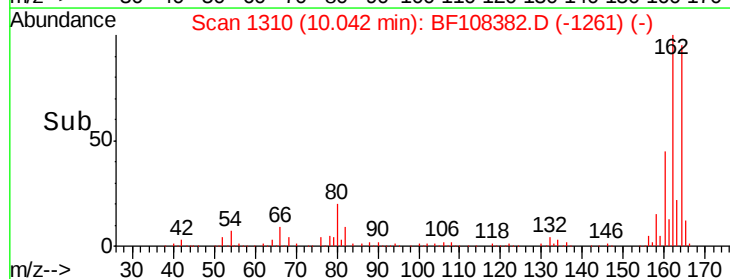
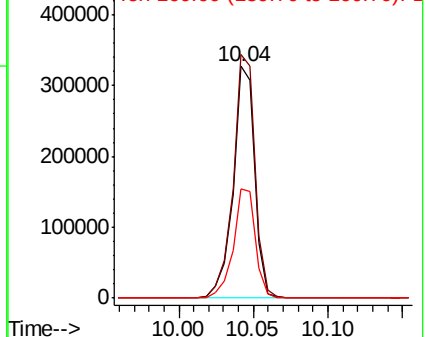
164 100

162 104.9 86.1 129.1

160 46.9 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

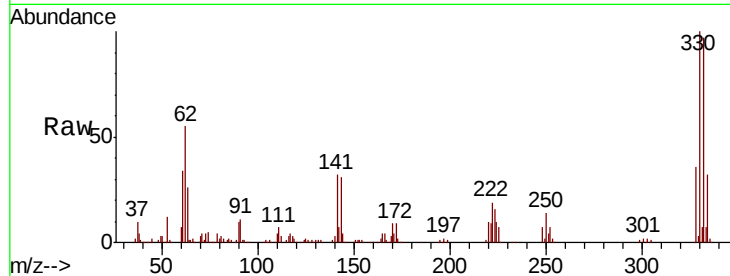




#41
 2,4,6-Tribromophenol
 Concen: 159.400 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	31.1	29.9	44.9

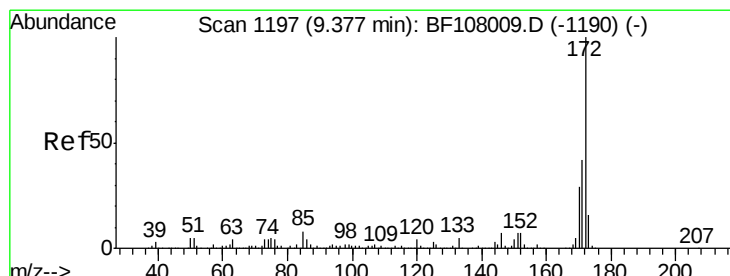
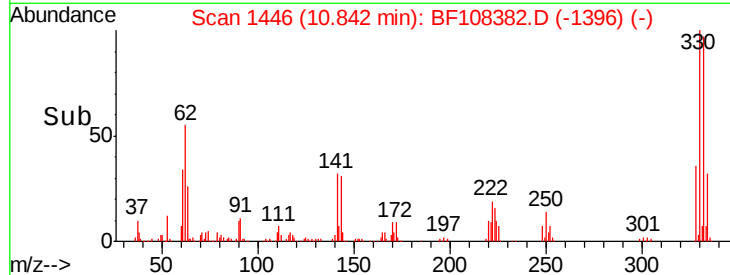
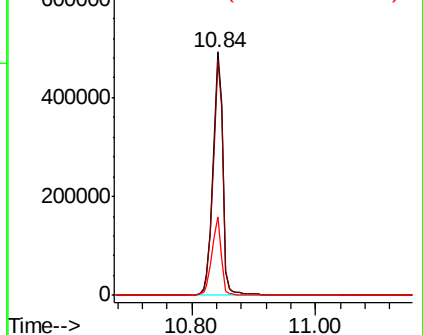


Abundance

Ion 329.80 (329.50 to 330.50): E

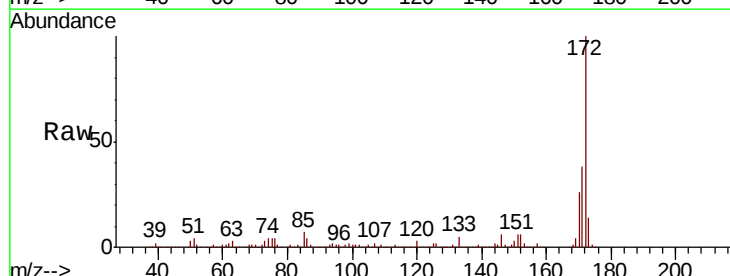
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 99.496 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.7	44.5
170	25.6	19.6	29.4

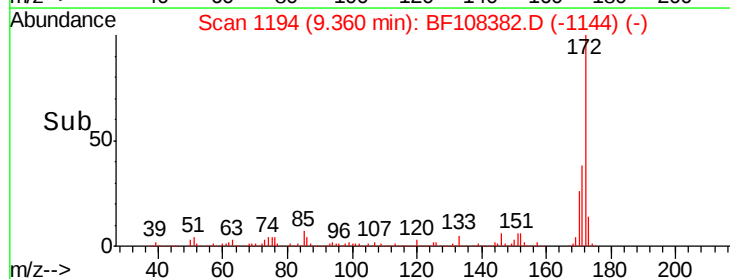
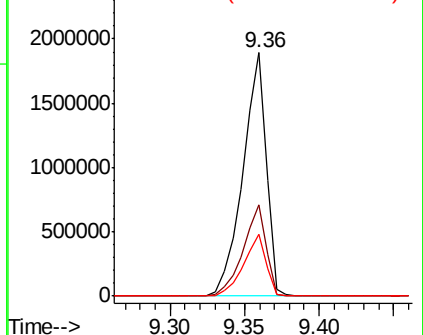


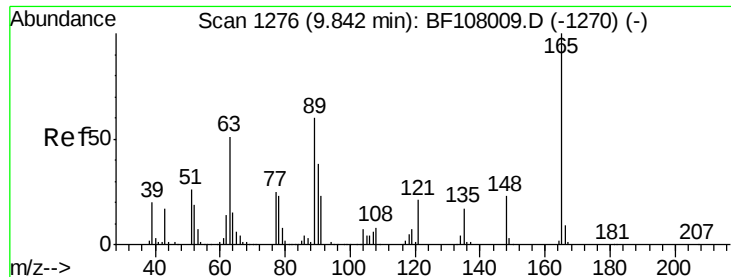
Abundance

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

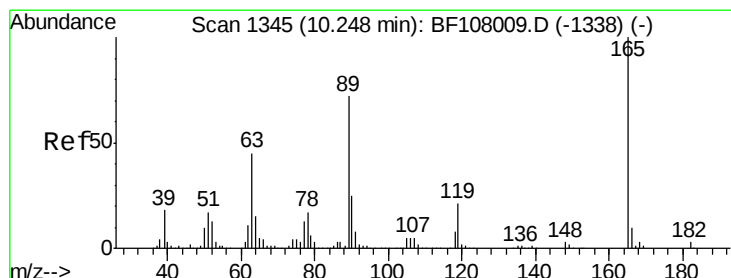
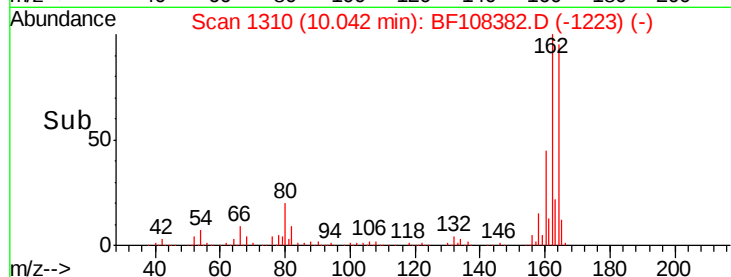
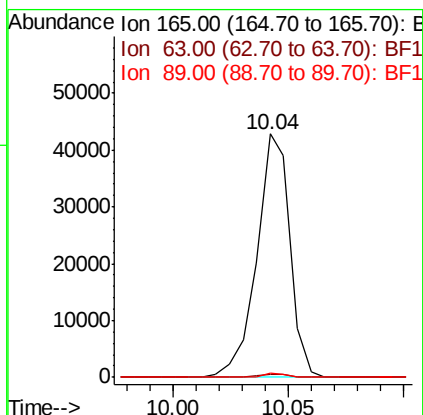
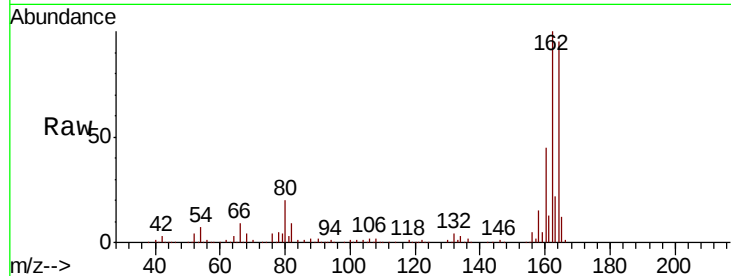




#50
 2,6-Dinitrotoluene
 Concen: 8.813 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

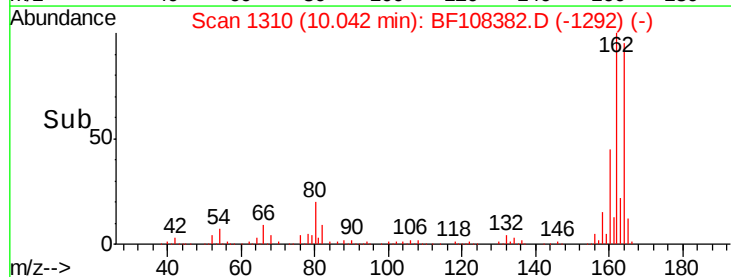
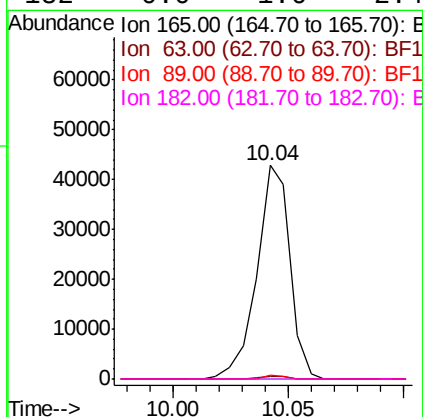
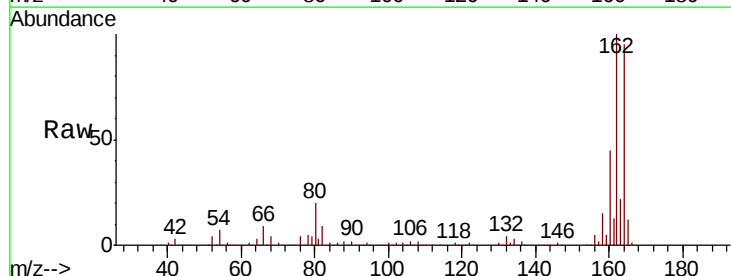
Instrument :
 BNA_F
 ClientSampled :

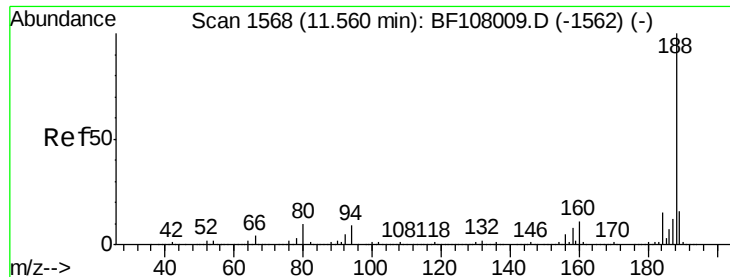
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.847 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

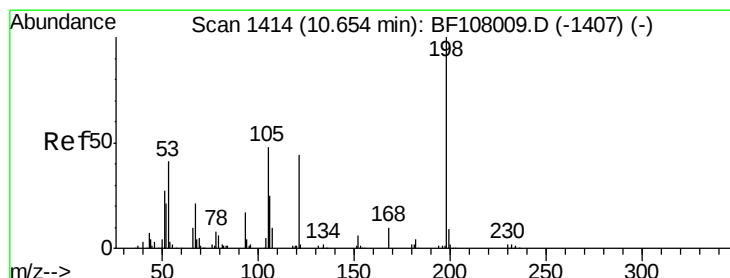
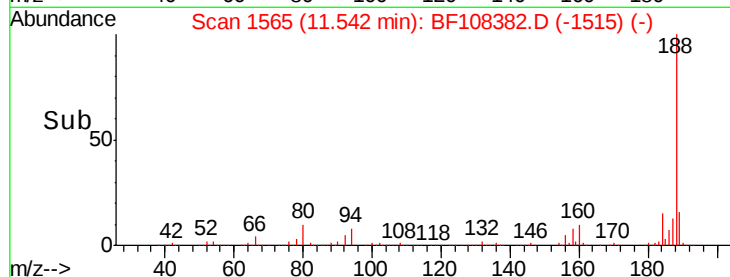
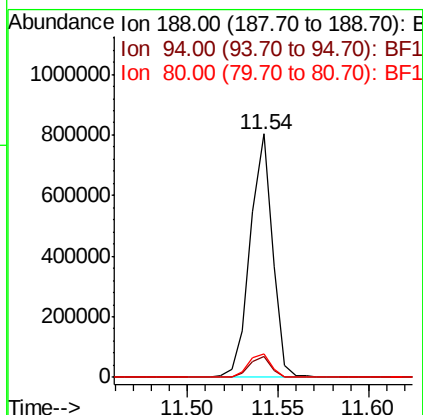
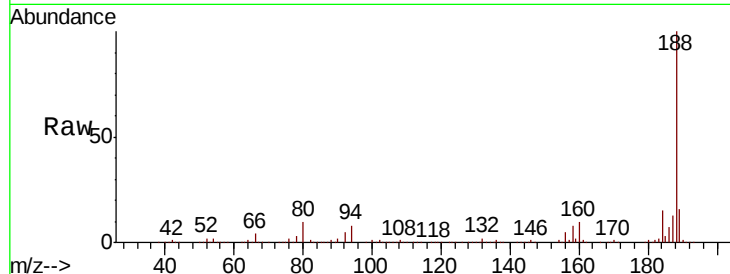




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

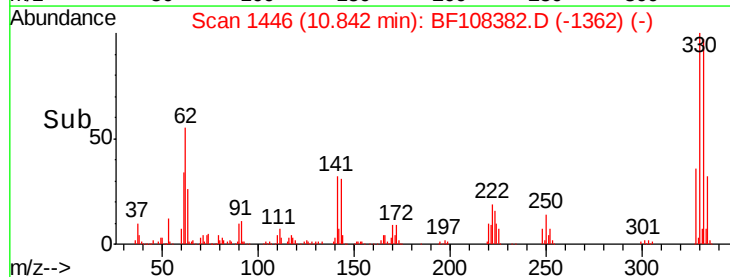
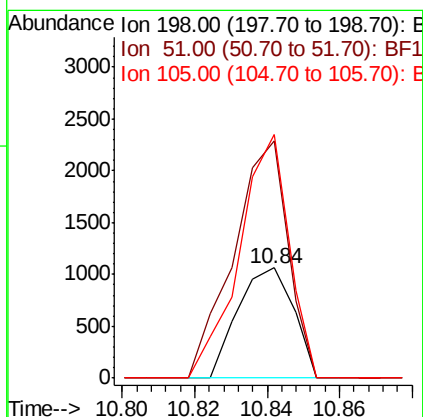
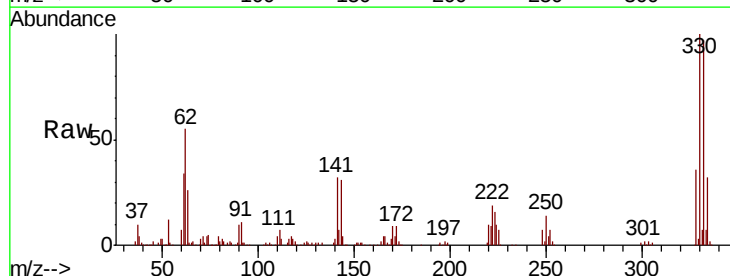
Instrument :
 BNA_F
 ClientSampled :

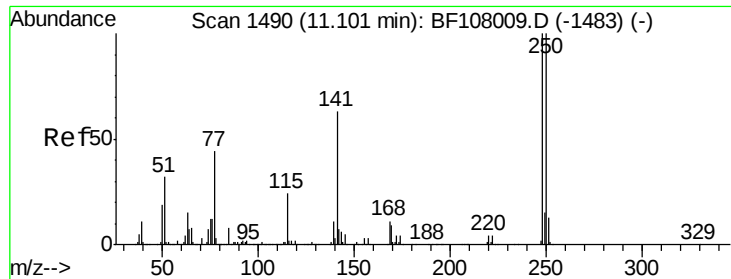
Tot Ion:188 Resp: 691843
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.745 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108382.D
 Acq: 22 Aug 2018 14:49

Tgt Ion:198 Resp: 1131
 Ion Ratio Lower Upper
 198 100
 51 215.3 37.7 77.7#
 105 220.4 36.3 76.3#

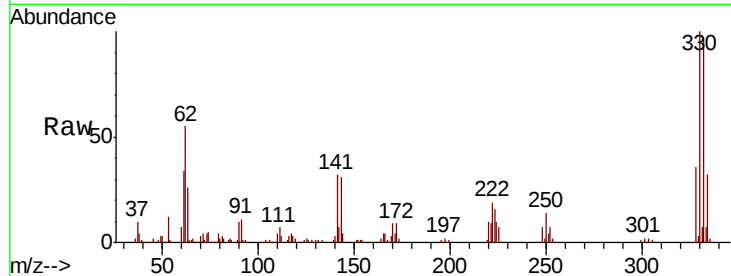




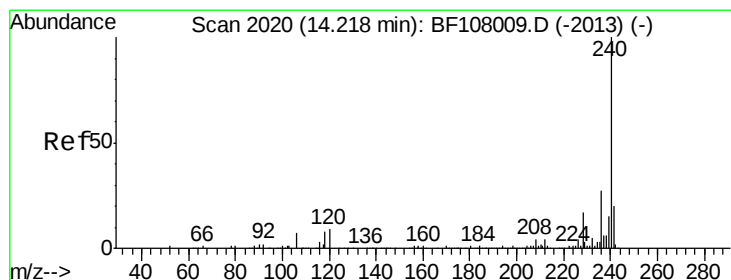
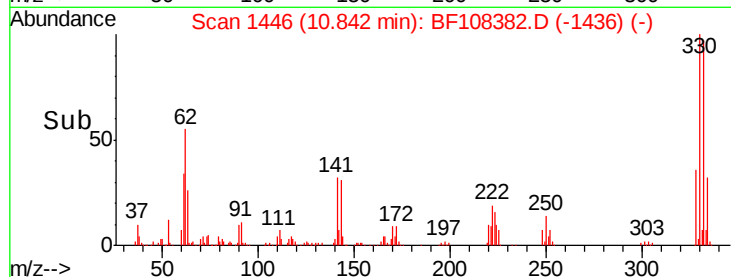
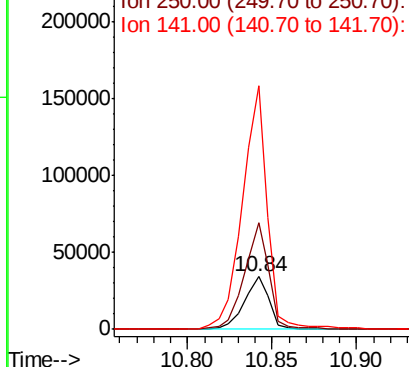
#66
4-Bromophenyl-phenylether
Concen: 4.665 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 35074
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 462.7 74.4 111.6#

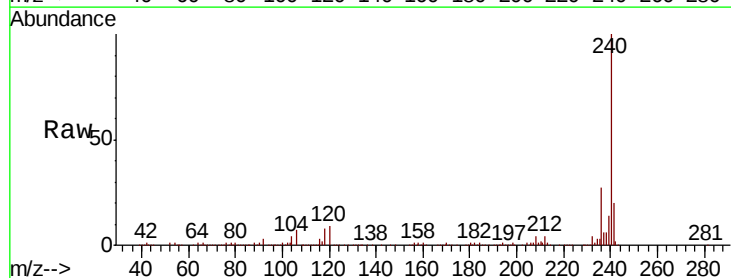


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

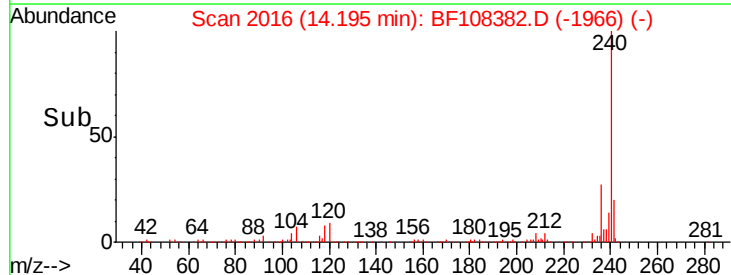
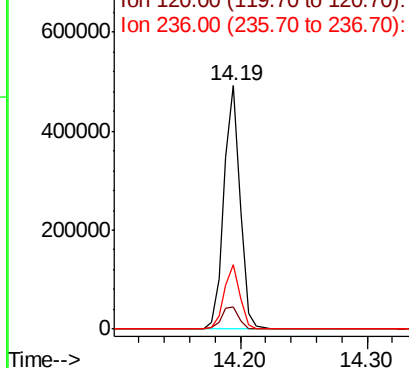


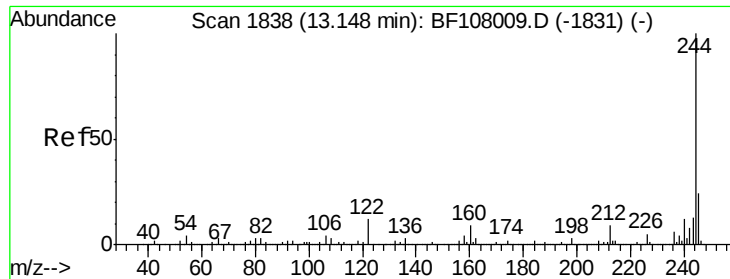
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108382.D
Acq: 22 Aug 2018 14:49

Tgt Ion:240 Resp: 436779
Ion Ratio Lower Upper
240 100
120 9.4 9.5 14.3#
236 26.6 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: 129.680 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108382.D

Acq: 22 Aug 2018 14:49

Instrument :

BNA_F

ClientSampled :

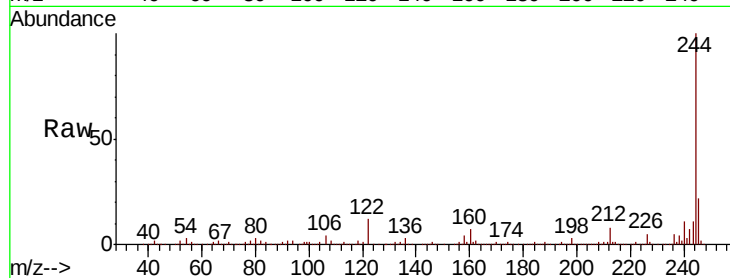
Tot Ion:244 Resp: 2227729

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

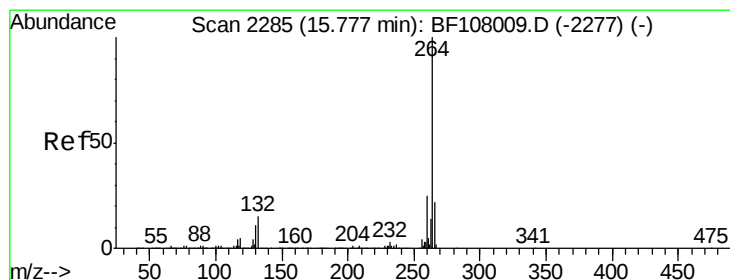
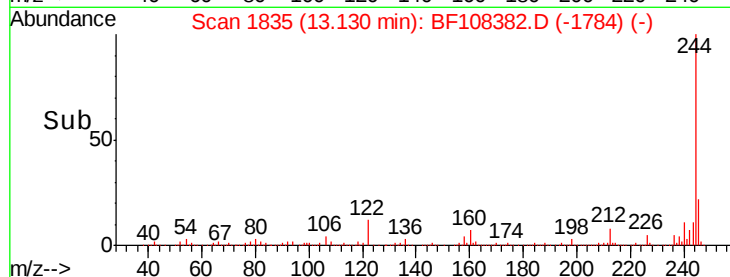
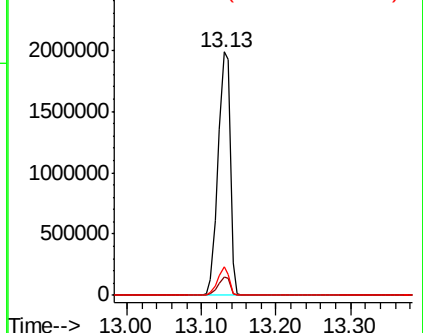
122 11.9 11.0 16.4



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: BF108382.D

Acq: 22 Aug 2018 14:49

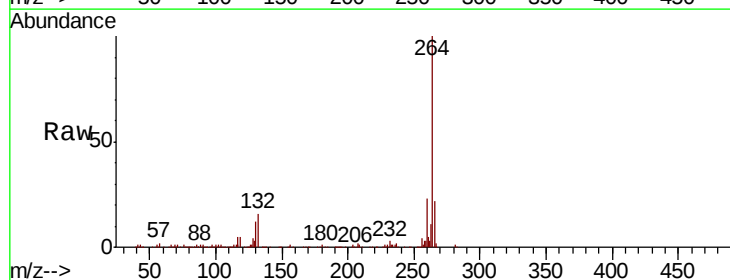
Tgt Ion:264 Resp: 312833

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.9 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

