

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108238.D
 Acq On : 17 Aug 2018 12:47
 Operator : JU/SJ
 Sample : PB112148BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 13:27:52 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

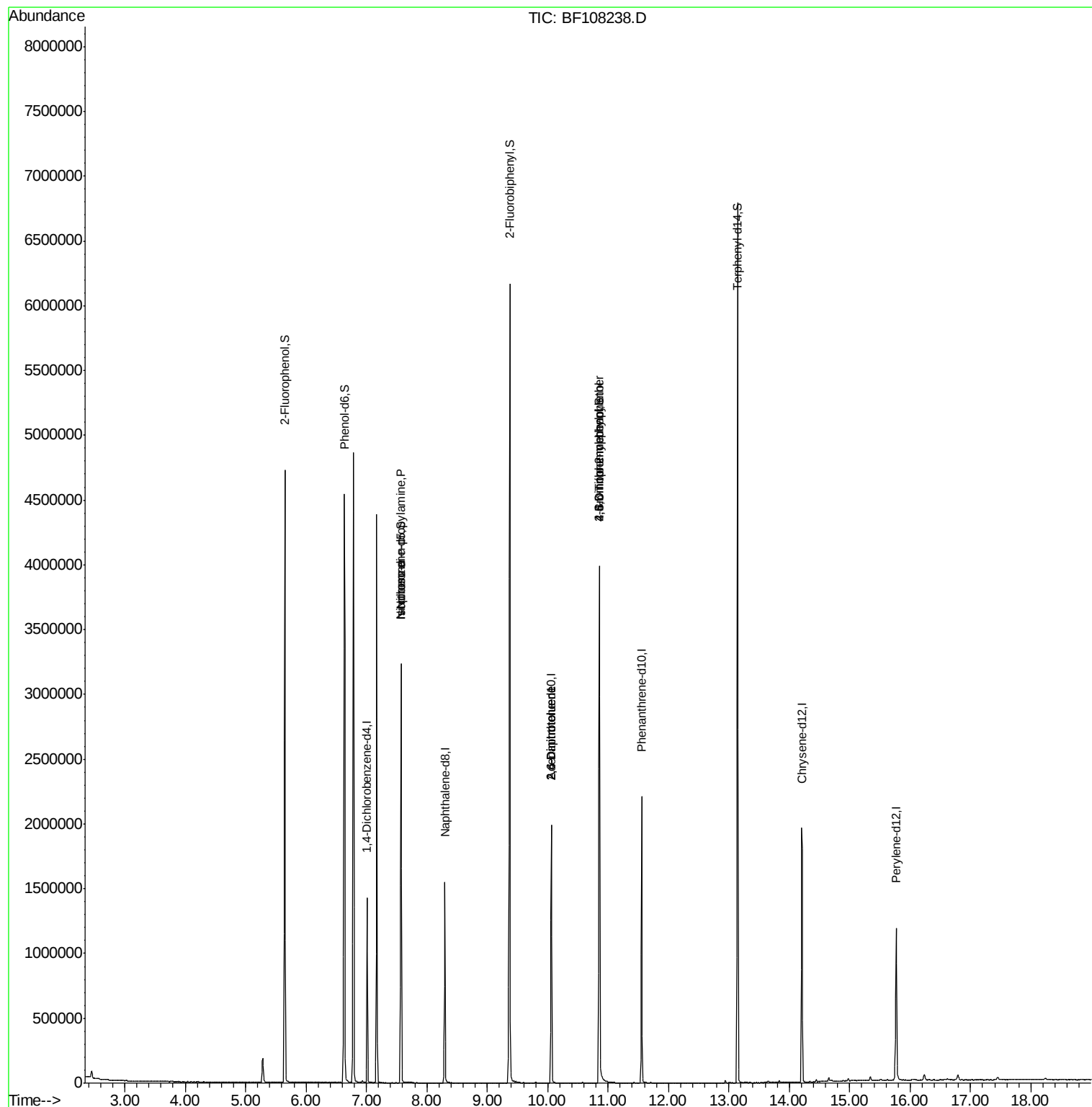
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	195524	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	748340	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	393337	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	810658	20.00	ng	0.00
75) Chrysene-d12	14.21	240	703583	20.00	ng	-0.01
86) Perylene-d12	15.77	264	624219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1287255	119.19	ng	0.02
7) Phenol-d6	6.64	99	1734224	120.84	ng	0.00
23) Nitrobenzene-d5	7.58	82	1173172	87.48	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	535077	136.38	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2147209	87.64	ng	0.00
78) Terphenyl-d14	13.15	244	2418457	87.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	157638	16.243	ng	# 84
25) Isophorone	7.58	82	1173161	45.896	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	50196	8.756	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	50196	6.803	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	1067	5.670	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	35830	4.067	ng	# 1

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

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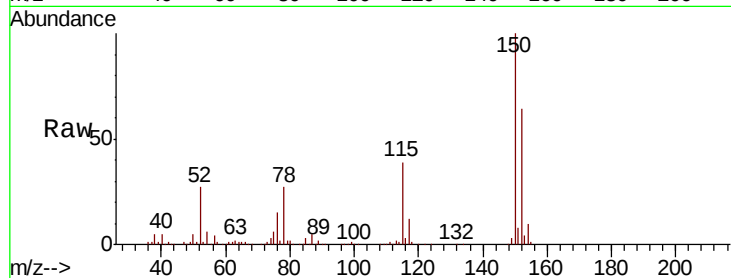


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	60.1	50.1	75.1

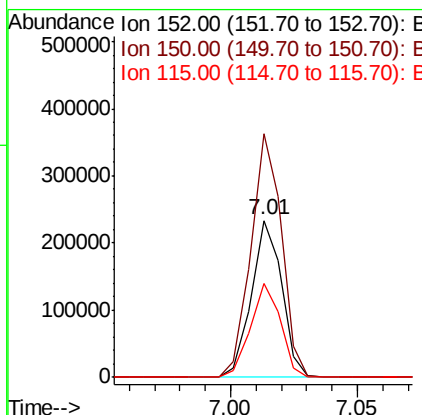
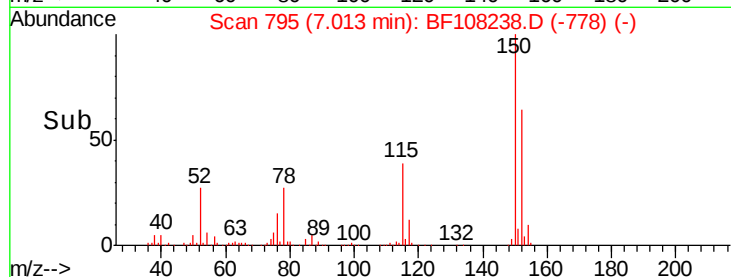


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

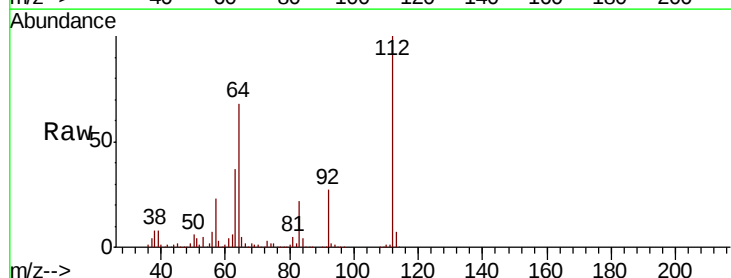
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.193 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	36.7	23.7	35.5

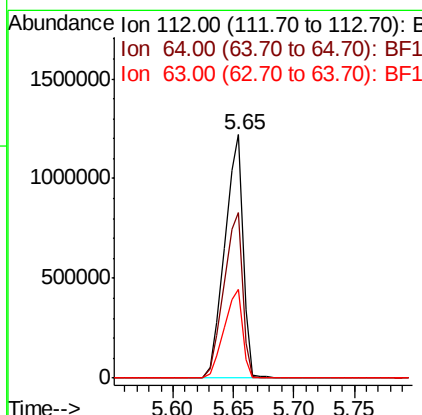
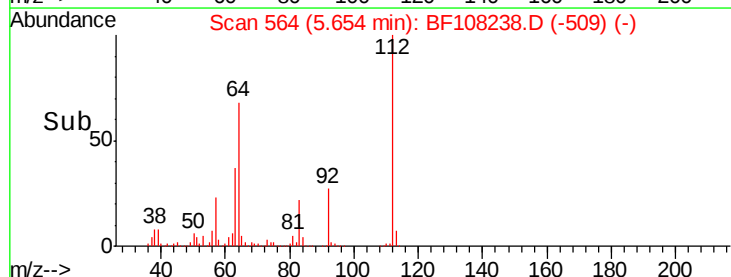


Abundance

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: 120.840 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108238.D

Acq: 17 Aug 2018 12:47

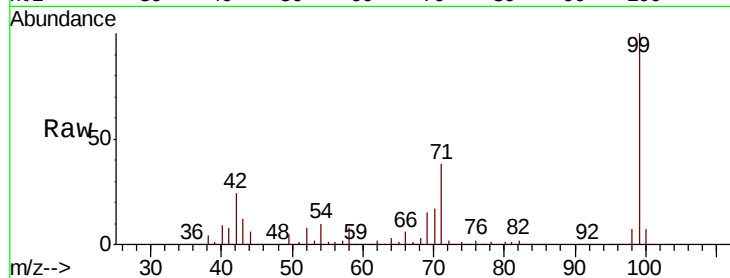
Instrument :

BNA_F

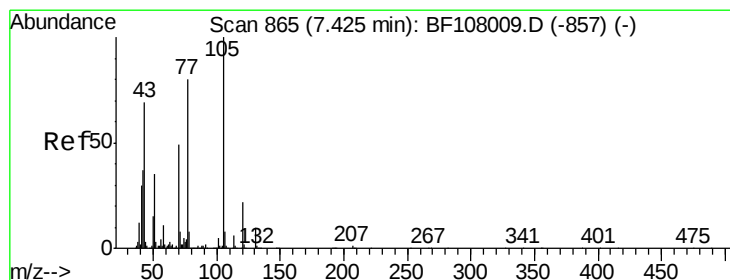
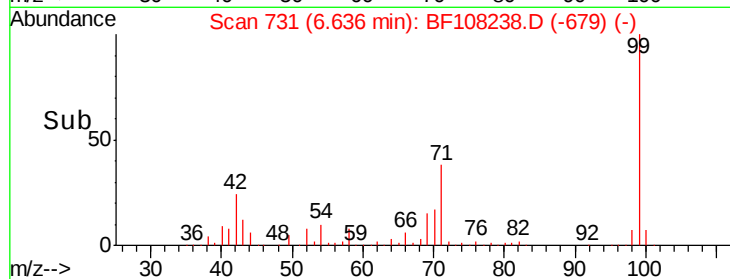
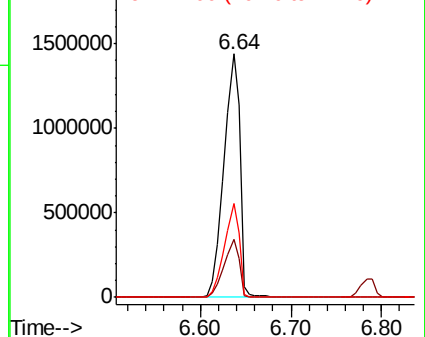
ClientSampleId :

Tot Ion: 99 Resp: 1734224

Ion	Ratio	Lower	Upper
99	100		
42	23.8	14.5	21.7#
71	38.3	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: 16.243 ng

RT: 7.58 min Scan# 891

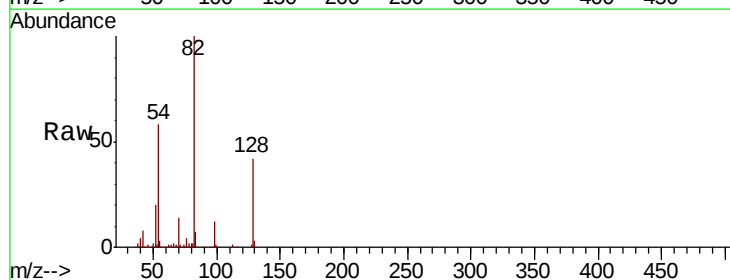
Delta R.T. 0.15 min

Lab File: BF108238.D

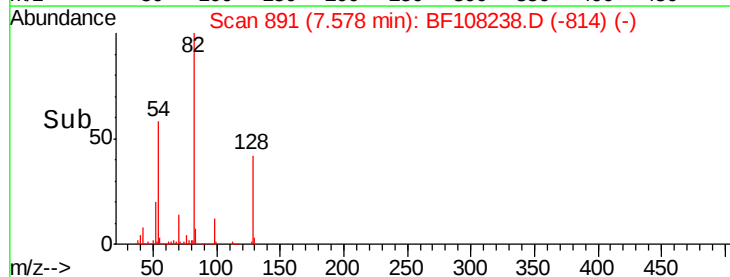
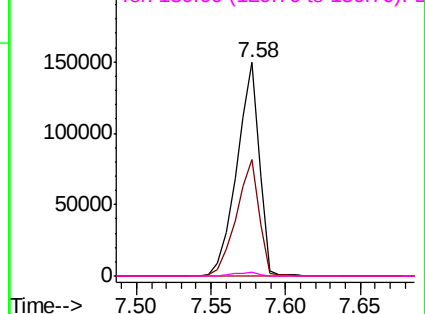
Acq: 17 Aug 2018 12:47

Tgt Ion: 70 Resp: 157638

Ion	Ratio	Lower	Upper
70	100		
42	54.6	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# 1013

Delta R.T. -0.01 min

Lab File: BF108238.D

Acq: 17 Aug 2018 12:47

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 748340

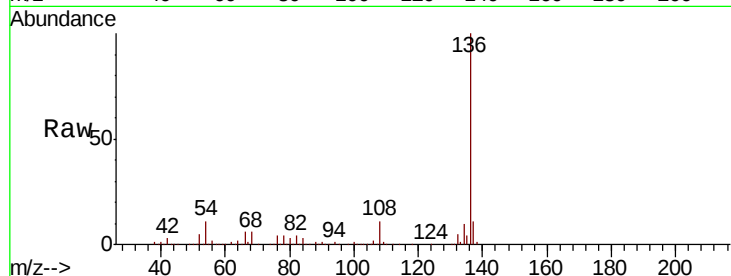
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.7 6.6 9.8#

68 6.5 5.0 7.4

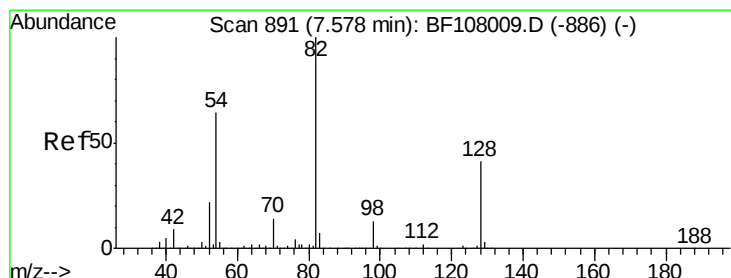
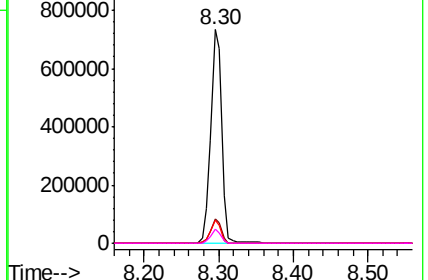
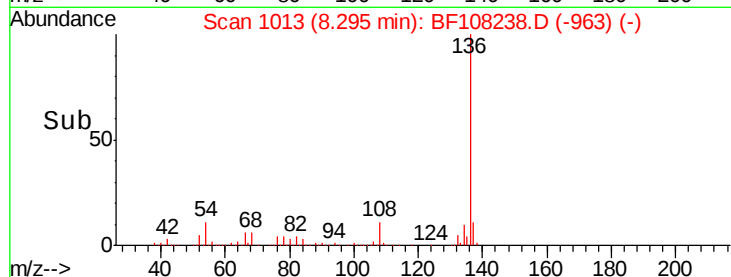


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.480 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108238.D

Acq: 17 Aug 2018 12:47

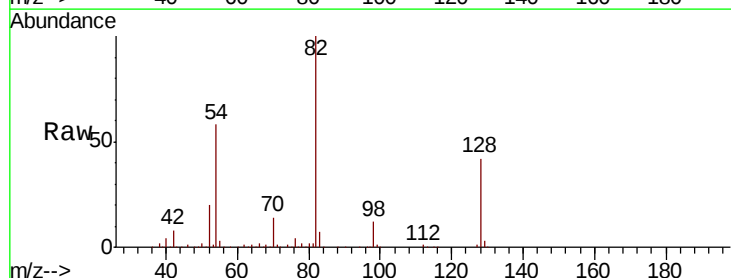
Tgt Ion: 82 Resp: 1173172

Ion Ratio Lower Upper

82 100

128 41.6 36.1 54.1

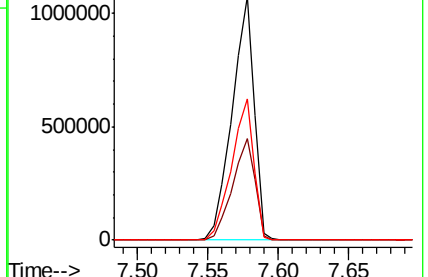
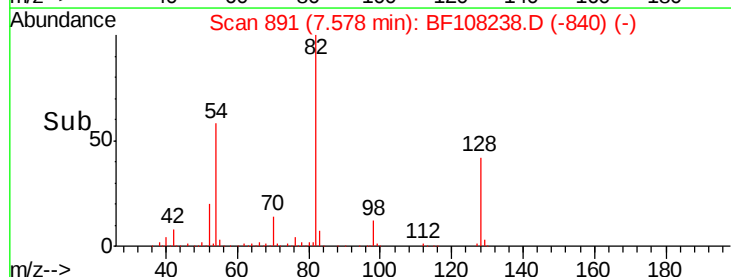
54 58.2 41.4 62.2

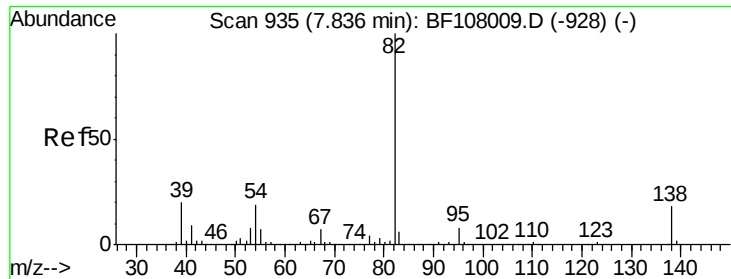


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

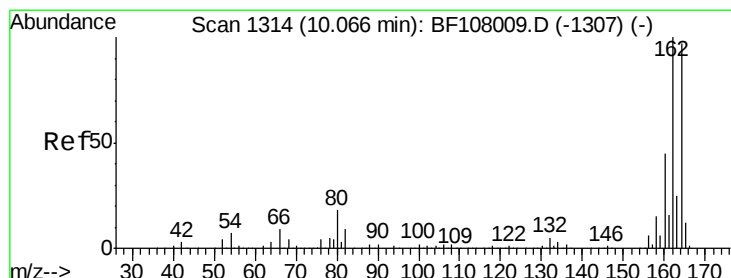
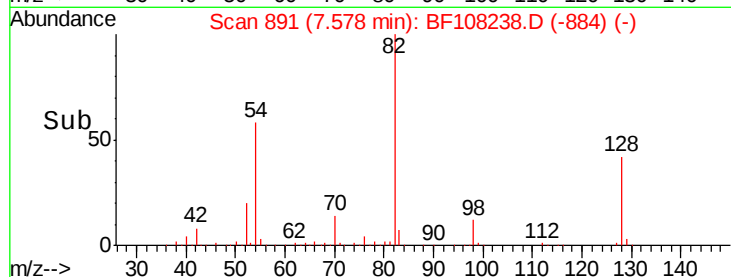
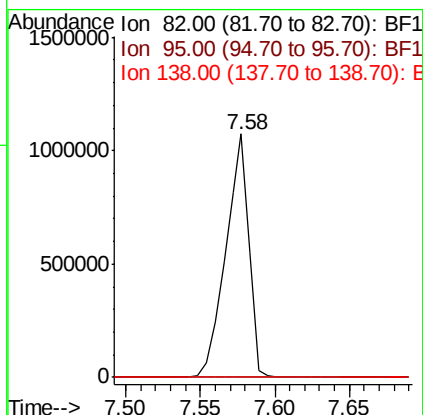
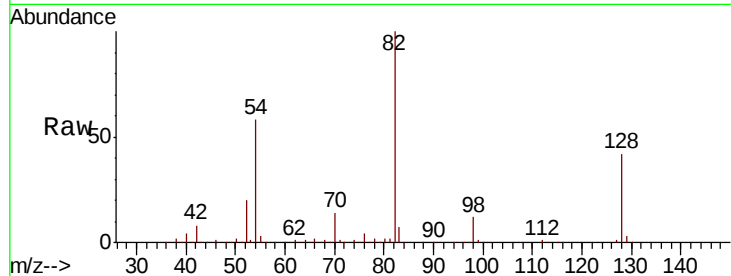




#25
Isophorone
Concen: 45.896 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

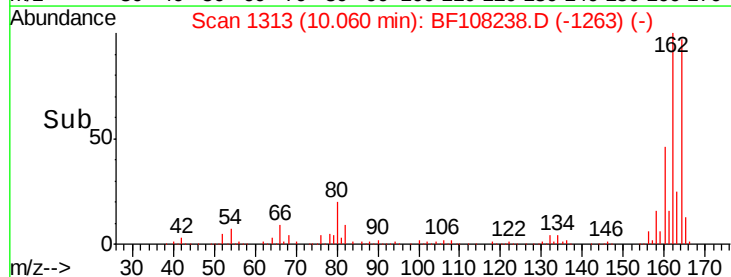
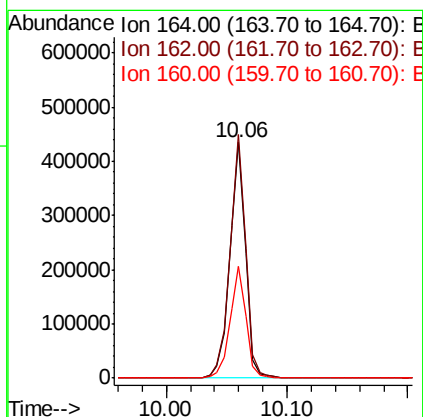
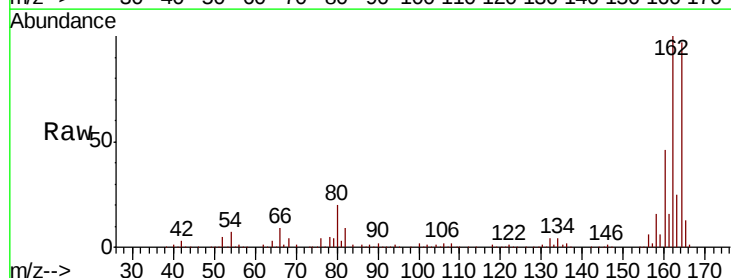
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1173161
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Tgt Ion:164 Resp: 393337
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 47.3 38.3 57.5

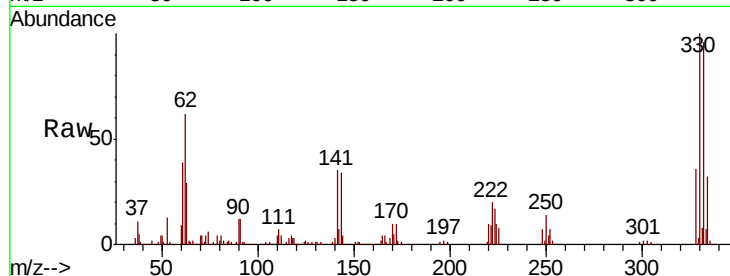




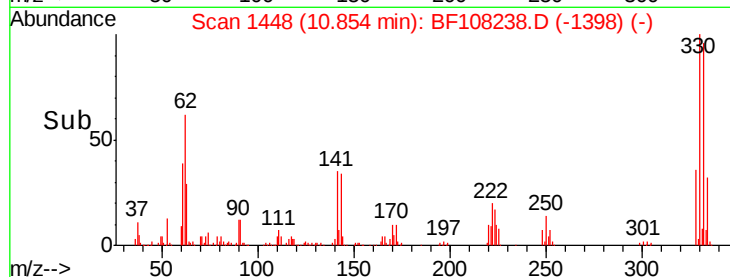
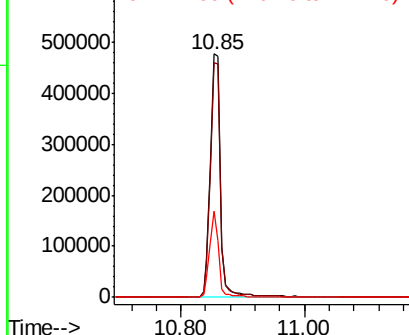
#41
 2,4,6-Tribromophenol
 Concen: 136.380 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108238.D
 Acq: 17 Aug 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	31.9	29.9	44.9

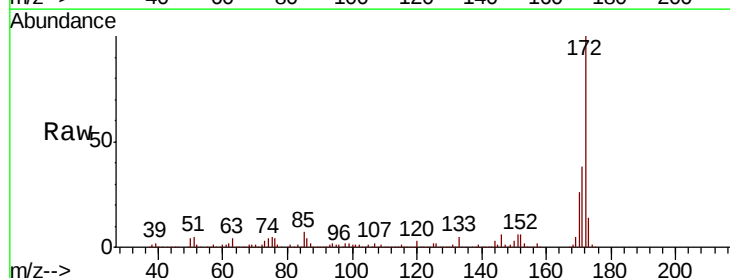


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

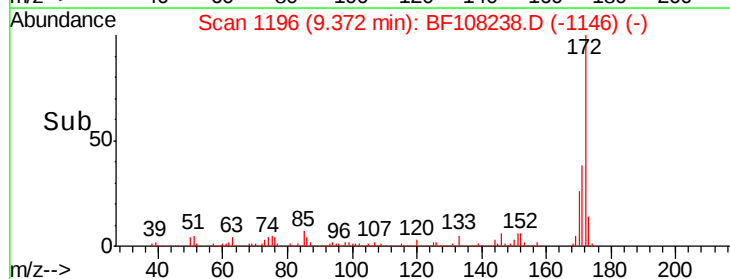
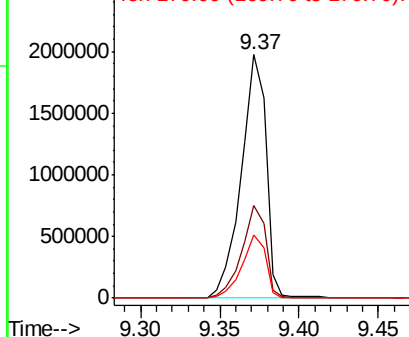


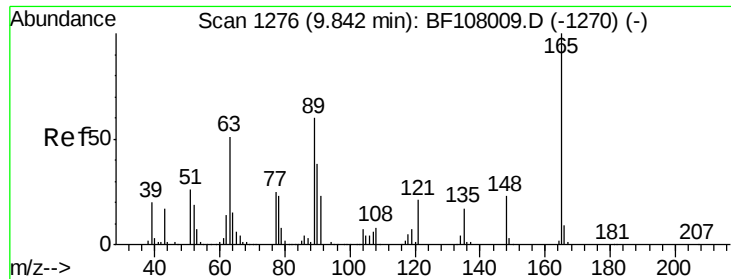
#44
 2-Fluorobiphenyl
 Concen: 87.642 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108238.D
 Acq: 17 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.7	44.5
170	25.8	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

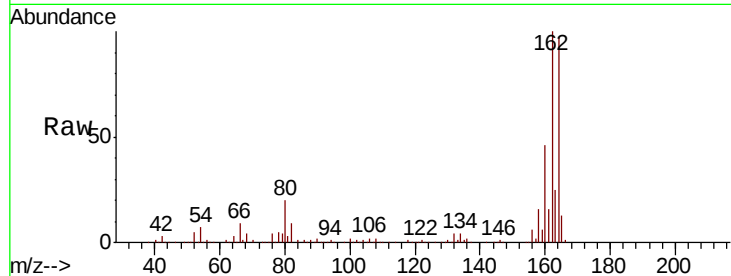




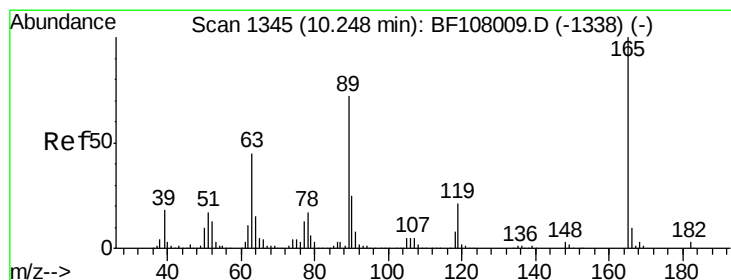
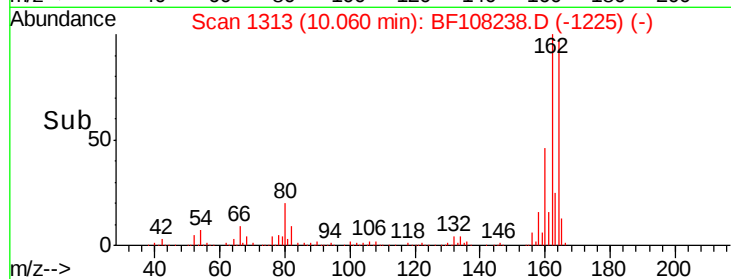
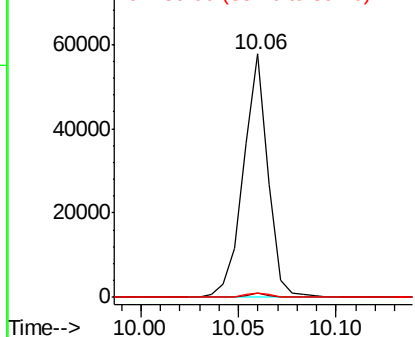
#50
 2,6-Dinitrotoluene
 Concen: 8.756 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108238.D
 Acq: 17 Aug 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.7	44.0	66.0#

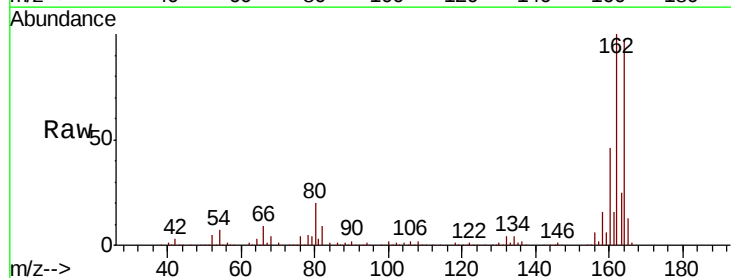


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

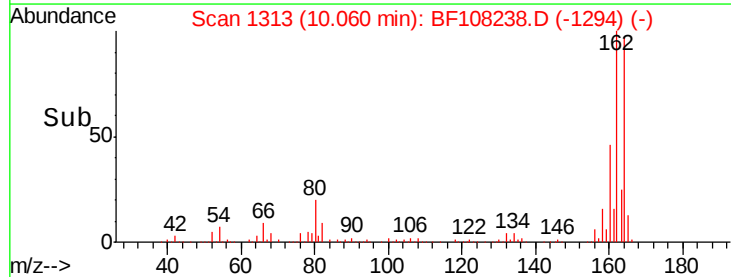
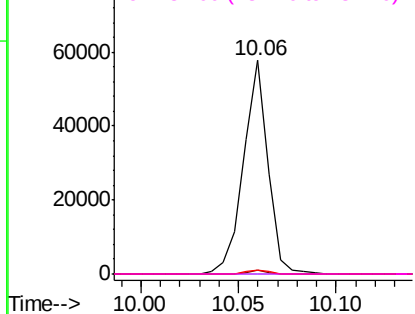


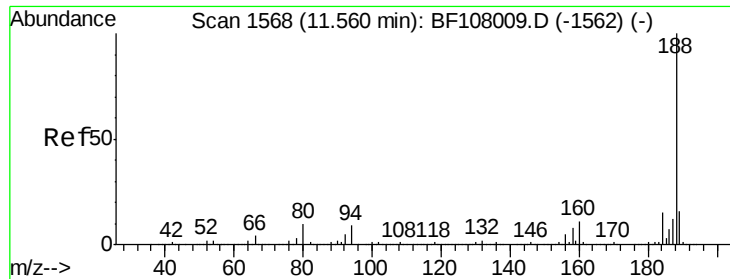
#56
 2,4-Dinitrotoluene
 Concen: 6.803 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108238.D
 Acq: 17 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	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

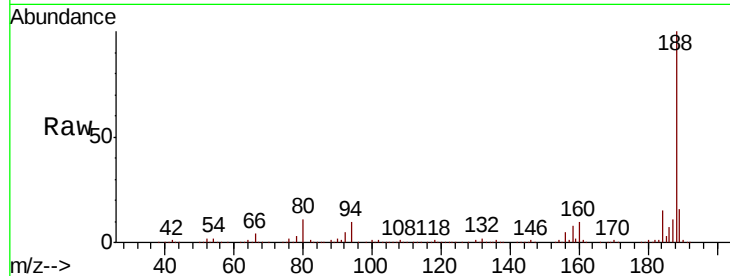




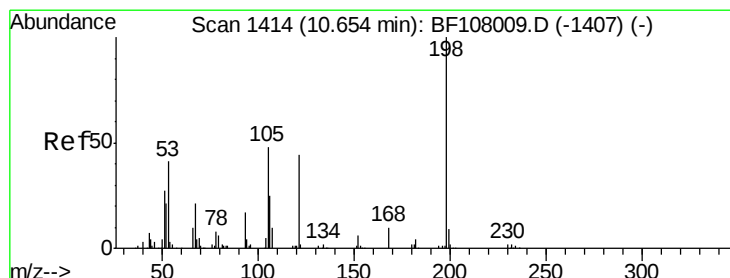
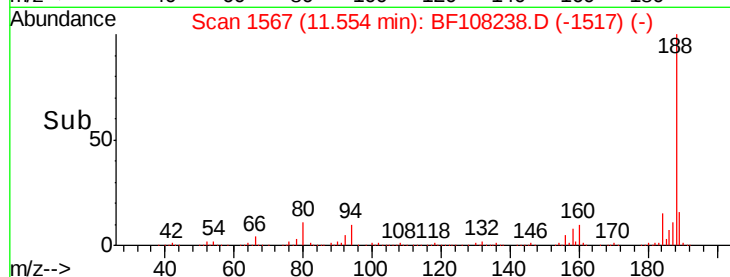
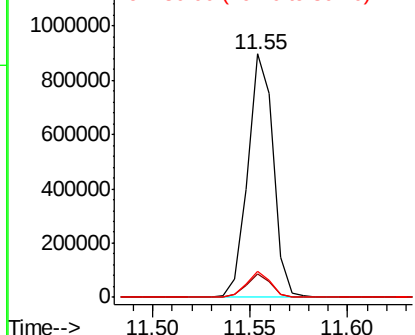
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 810658
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.6 9.2 13.8

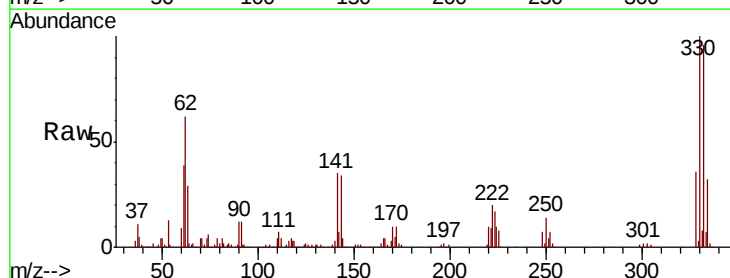


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

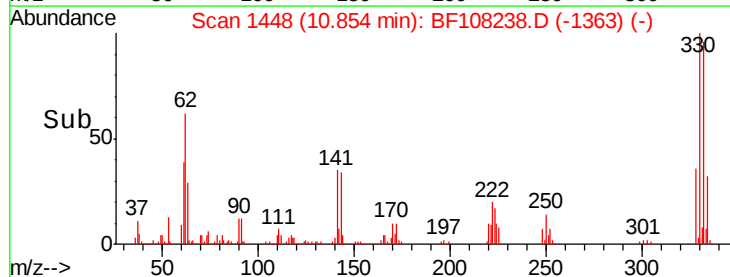
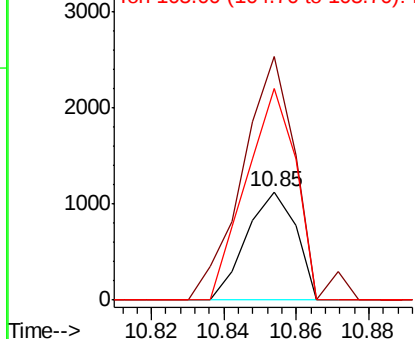


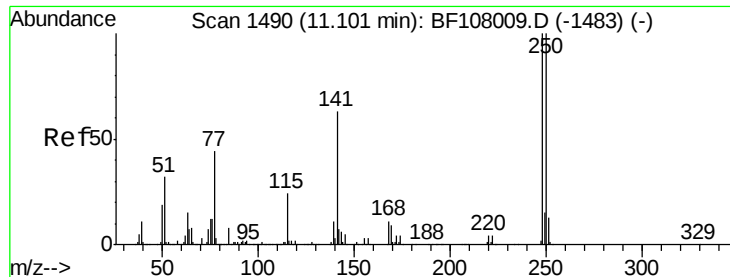
#64
4,6-Dinitro-2-methylphenol
Concen: 5.670 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Tgt Ion:198 Resp: 1067
Ion Ratio Lower Upper
198 100
51 225.1 37.7 77.7#
105 195.3 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

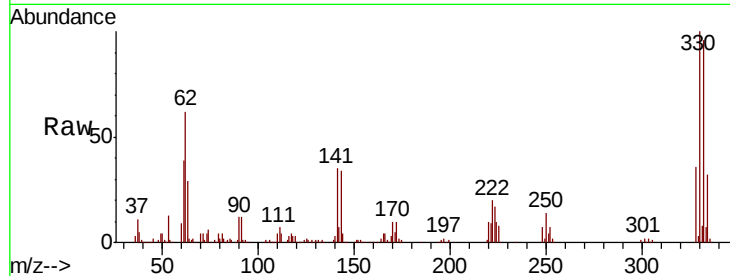




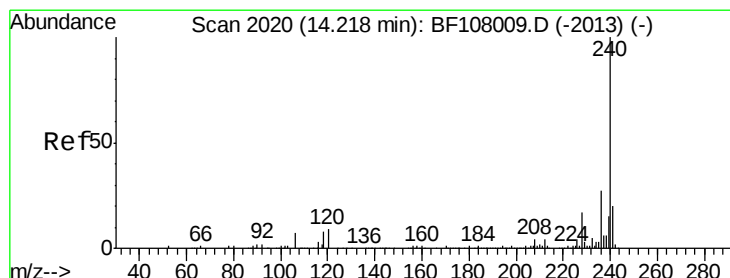
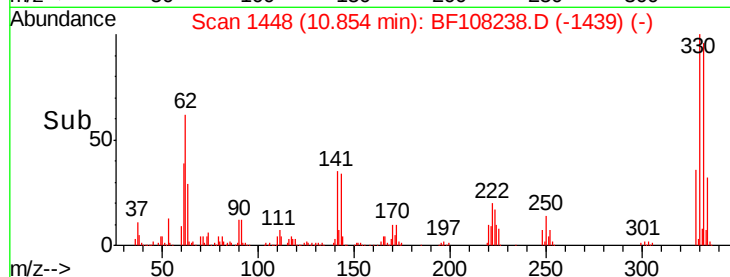
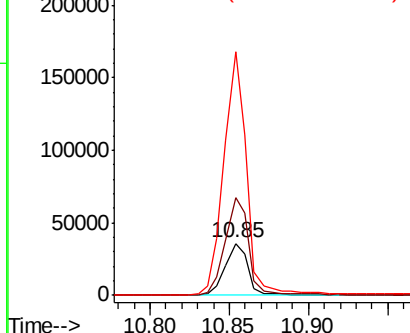
#66
4-Bromophenyl-phenylether
Concen: 4.067 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 35830
Ion Ratio Lower Upper
248 100
250 189.9 76.9 115.3#
141 470.6 74.4 111.6#

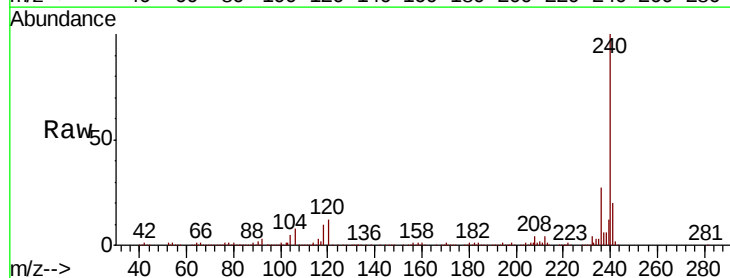


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

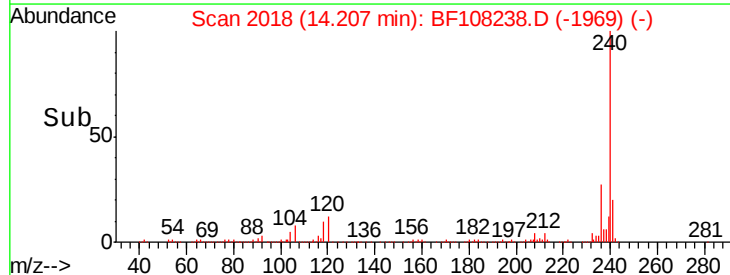
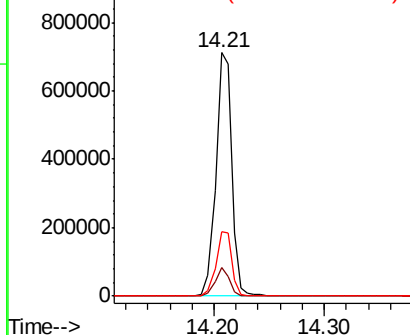


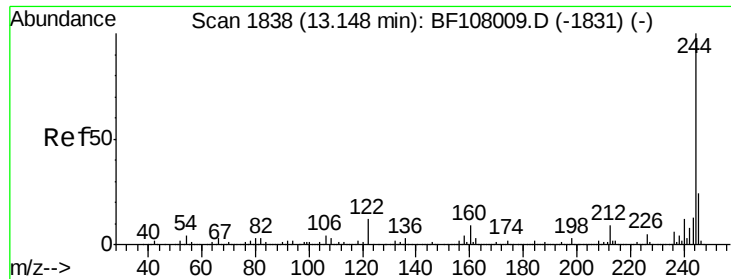
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF108238.D
Acq: 17 Aug 2018 12:47

Tgt Ion:240 Resp: 703583
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 26.7 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: 87.397 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108238.D

Acq: 17 Aug 2018 12:47

Instrument :

BNA_F

ClientSampleId :

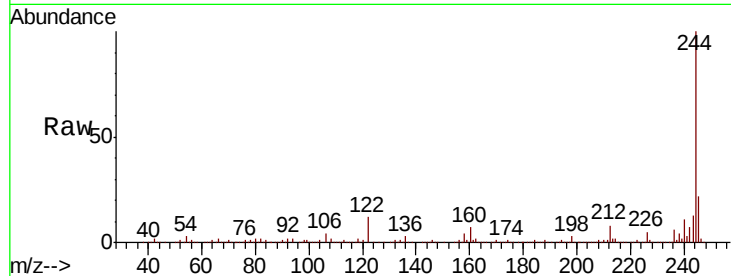
Tot Ion:244 Resp: 2418457

Ion Ratio Lower Upper

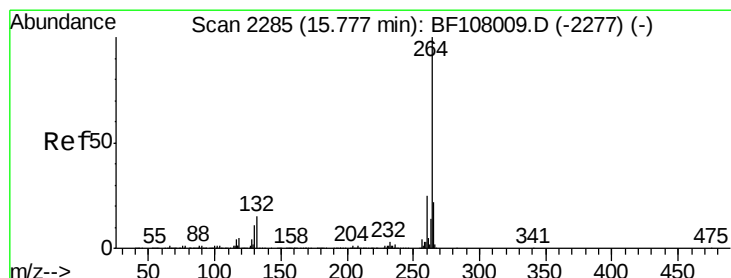
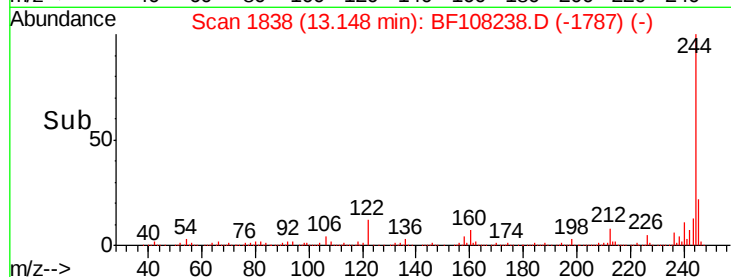
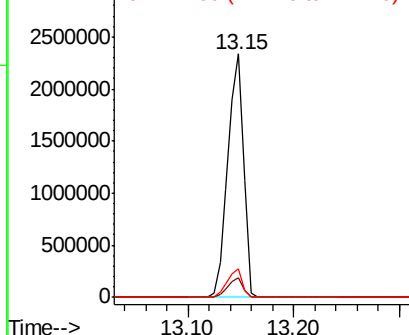
244 100

212 8.2 5.4 8.0#

122 11.6 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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108238.D

Acq: 17 Aug 2018 12:47

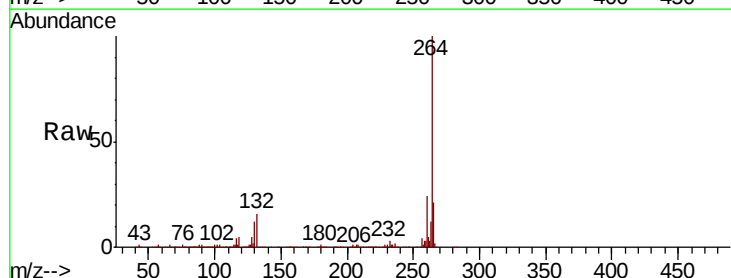
Tgt Ion:264 Resp: 624219

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.4 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

