

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108234.D
 Acq On : 17 Aug 2018 10:58
 Operator : JU/SJ
 Sample : PB112108BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 11:25:03 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

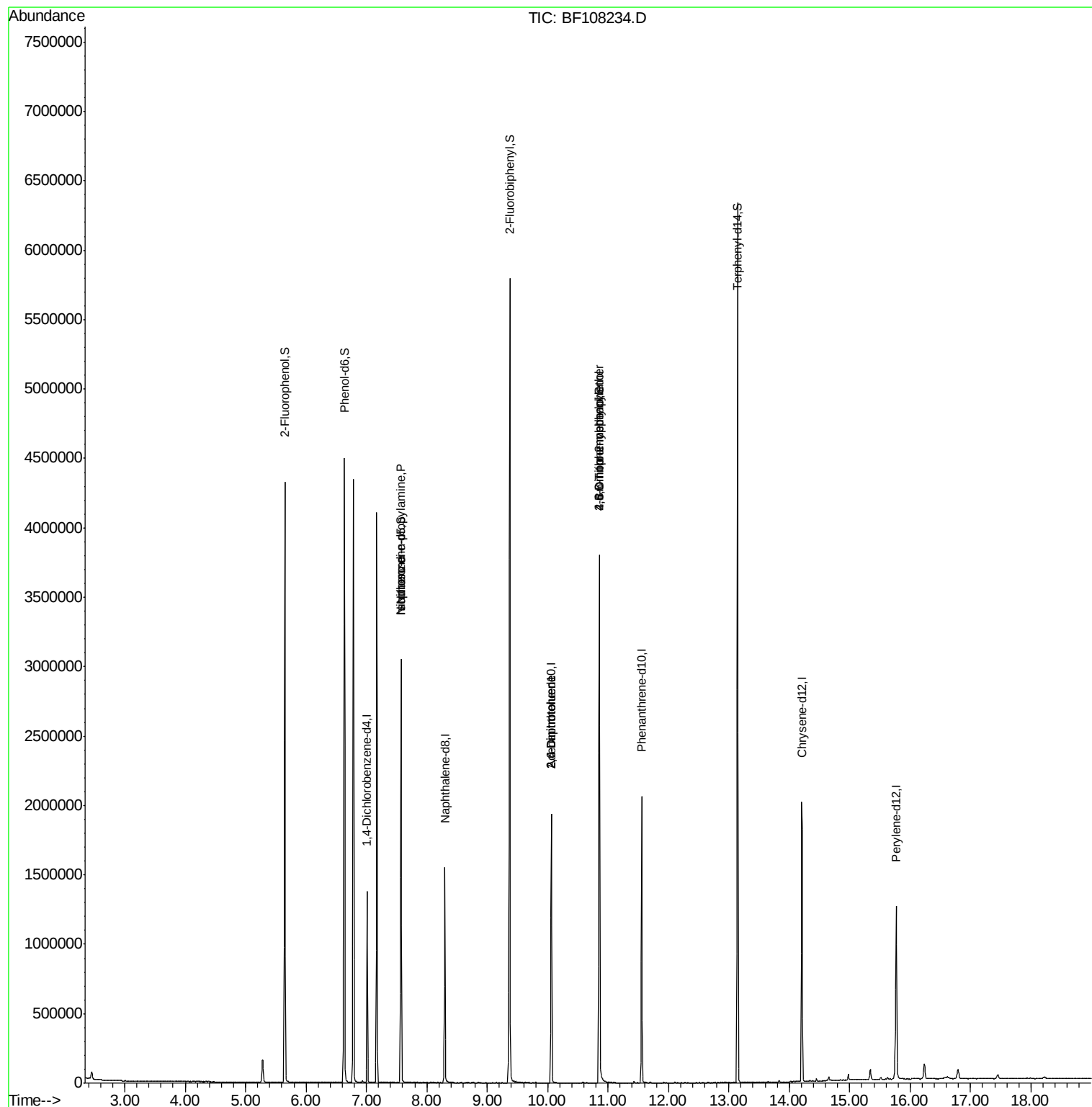
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	189677	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	731034	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	378784	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	792542	20.00	ng	0.00
75) Chrysene-d12	14.21	240	712941	20.00	ng	-0.01
86) Perylene-d12	15.77	264	623841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1172738	111.94	ng	0.02
7) Phenol-d6	6.64	99	1565301	112.43	ng	0.00
23) Nitrobenzene-d5	7.58	82	1063273	81.16	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	490175	129.74	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1965900	83.32	ng	0.00
78) Terphenyl-d14	13.15	244	2324469	82.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	145156	15.418	ng	# 84
25) Isophorone	7.58	82	1063250	42.581	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	48979	8.872	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	48979	6.893	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1044	5.670	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	31960	3.711	ng	# 1

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

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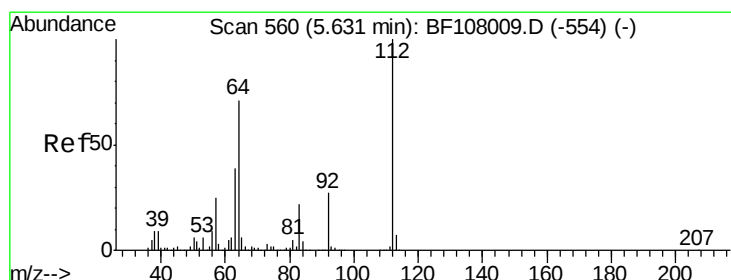
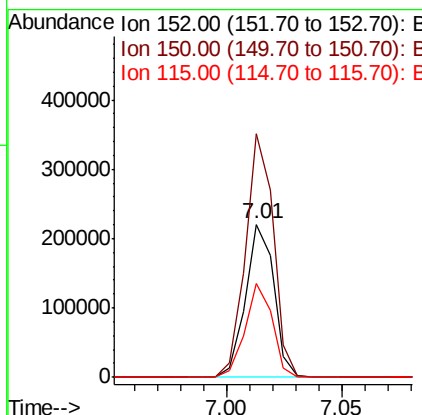
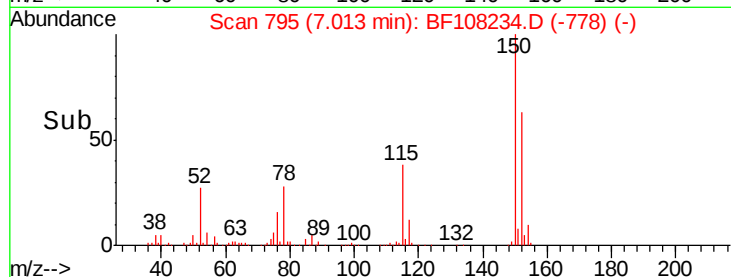
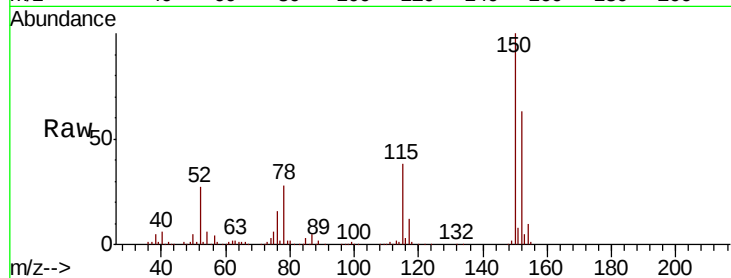


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108234.D
Acq: 17 Aug 2018 10:58

Instrument :
BNA_F
ClientSampleId :

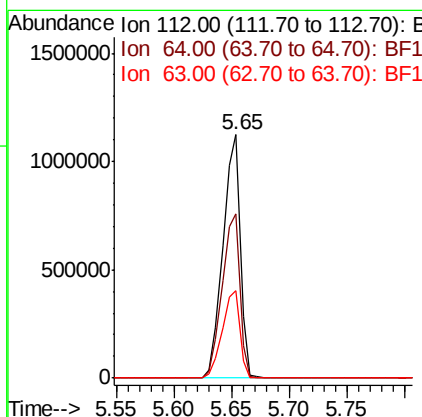
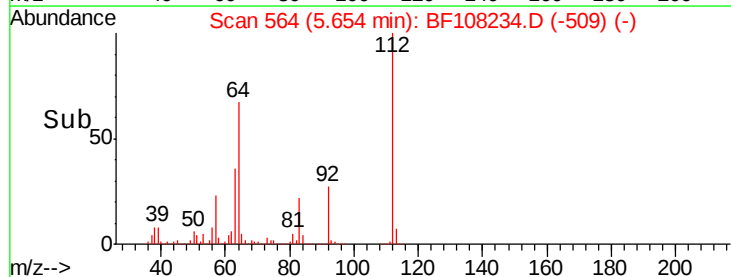
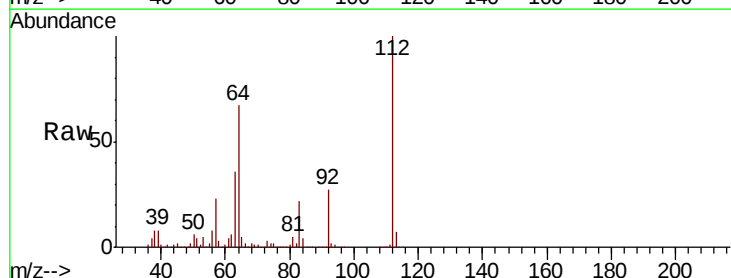
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	61.1	50.1	75.1



#5

2-Fluorophenol
Concen: 111.937 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108234.D
Acq: 17 Aug 2018 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	36.1	23.7	35.5#





#7

Phenol-d6

Concen: 112.432 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108234.D

Acq: 17 Aug 2018 10:58

Instrument :

BNA_F

ClientSampleId :

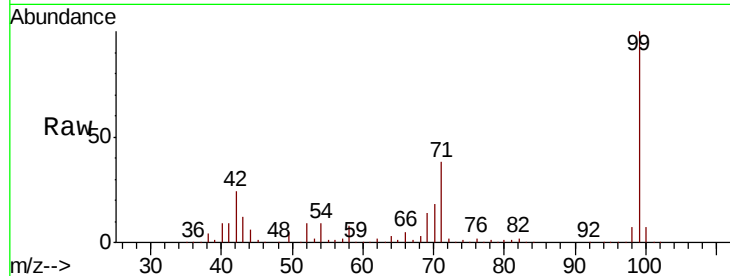
Tot Ion: 99 Resp: 1565301

Ion Ratio Lower Upper

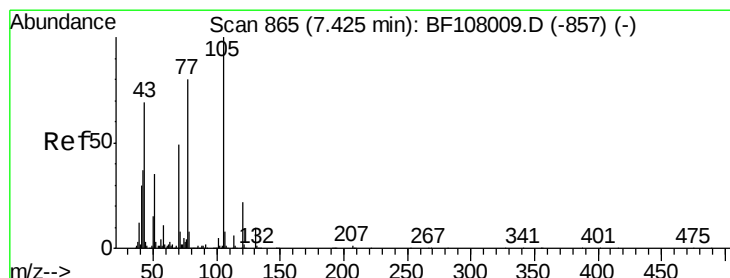
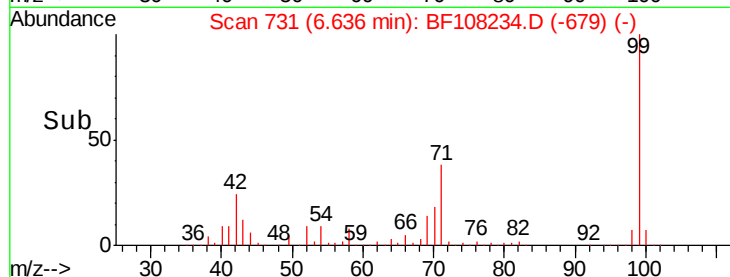
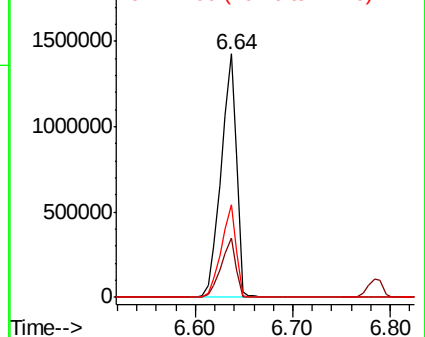
99 100

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: 15.418 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108234.D

Acq: 17 Aug 2018 10:58

Tgt Ion: 70 Resp: 145156

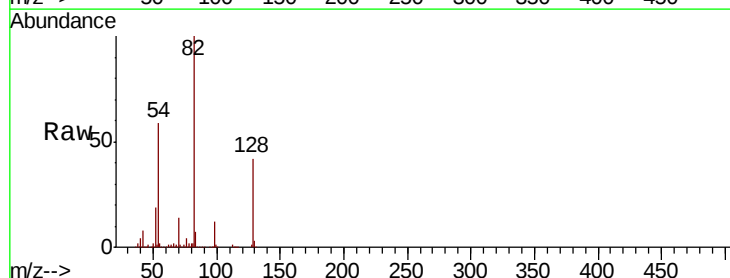
Ion Ratio Lower Upper

70 100

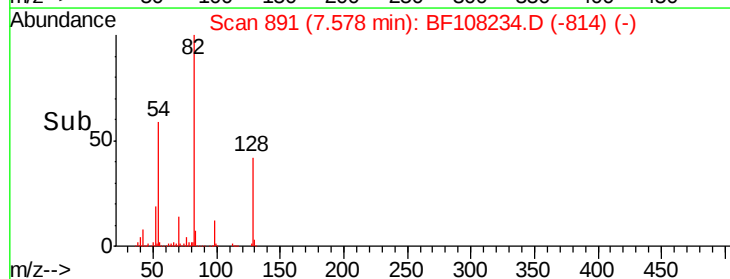
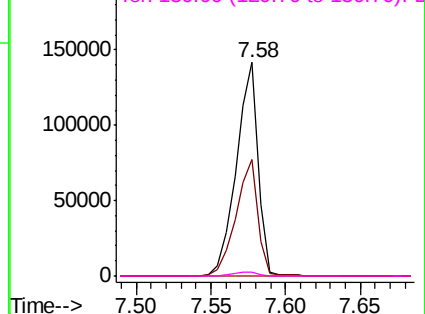
42 54.7 47.5 71.3

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: BF108234.D

Acq: 17 Aug 2018 10:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 731034

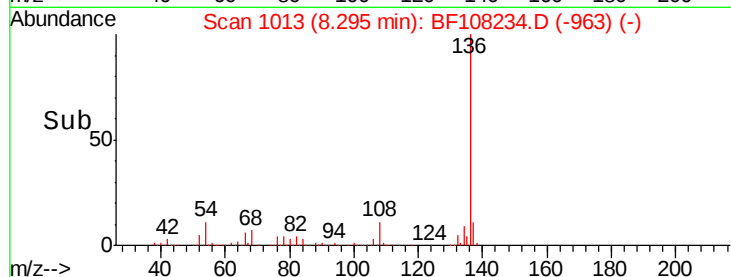
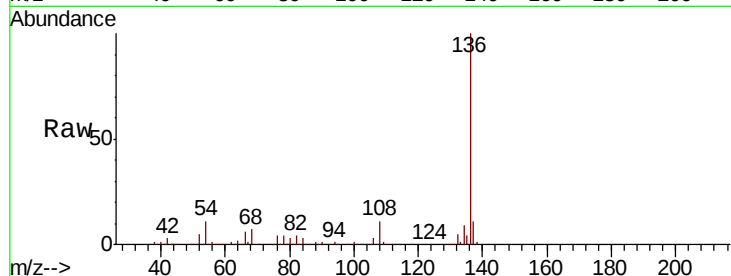
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.7 6.6 9.8#

68 6.7 5.0 7.4

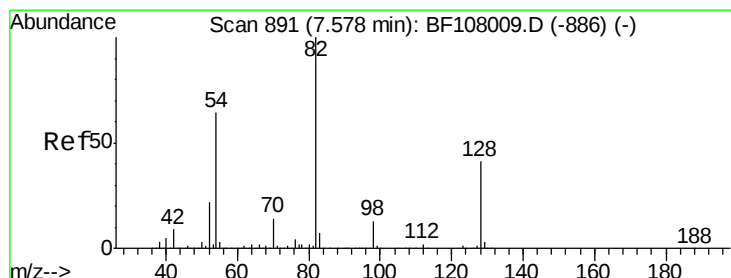
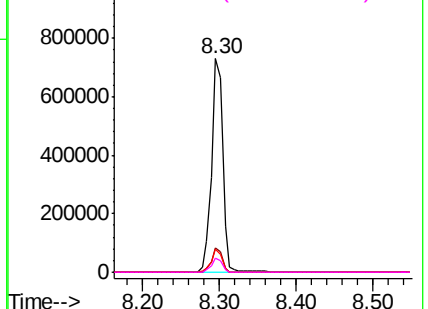


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.162 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108234.D

Acq: 17 Aug 2018 10:58

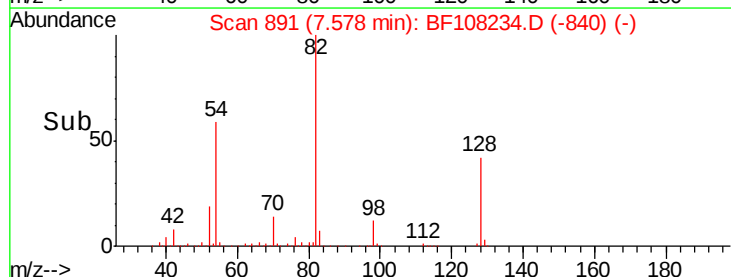
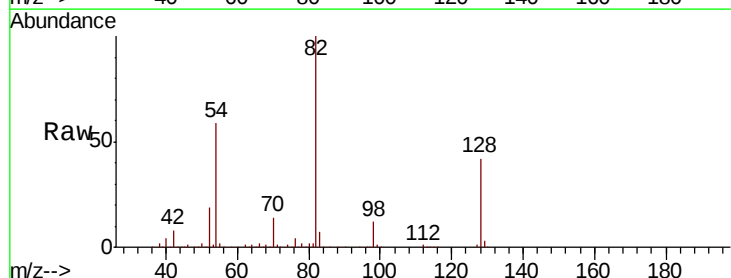
Tgt Ion: 82 Resp: 1063273

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

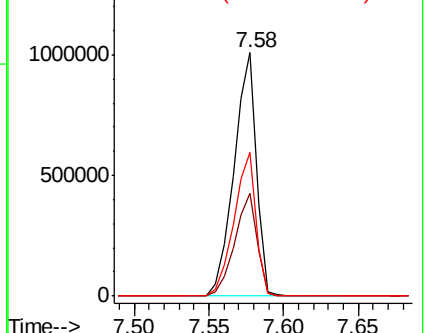
54 58.8 41.4 62.2



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

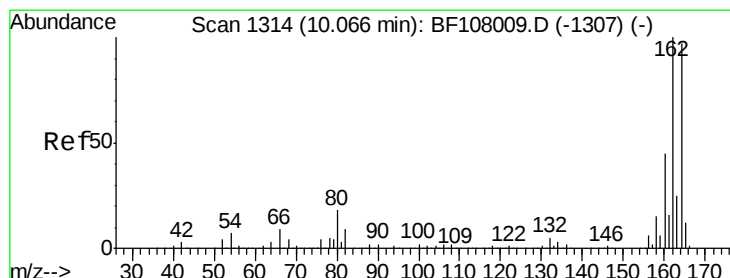
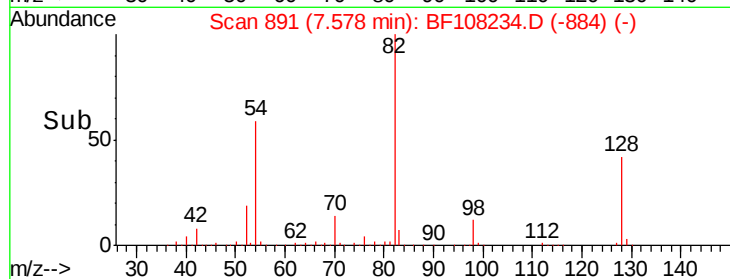
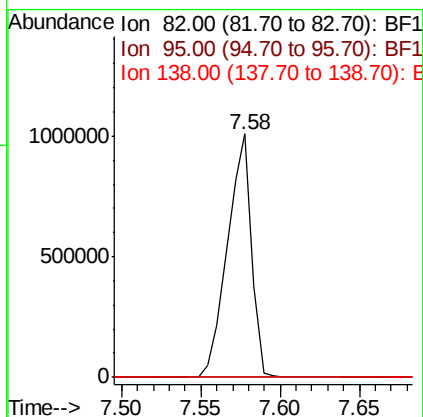
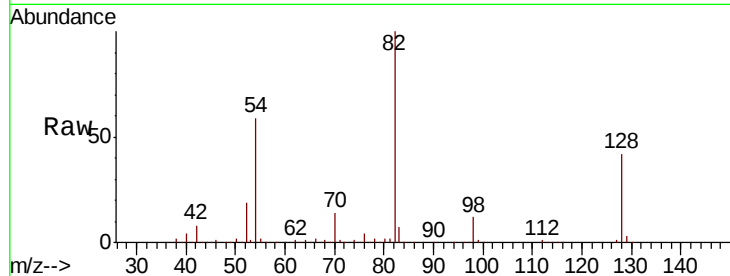




#25
Isophorone
Concen: 42.581 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108234.D
Acq: 17 Aug 2018 10:58

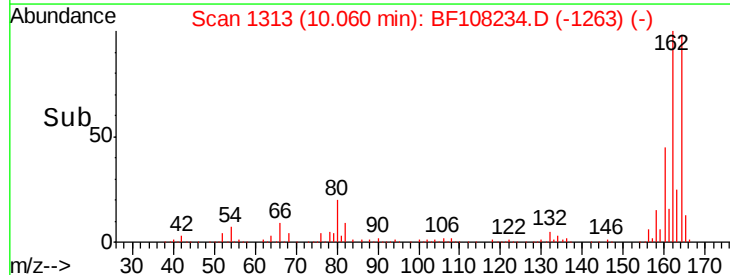
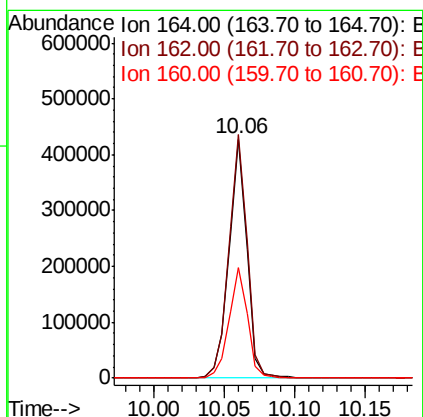
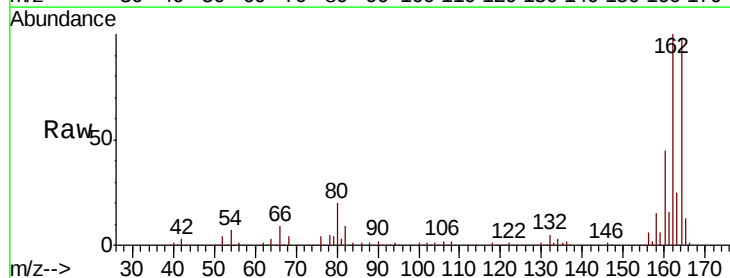
Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1063250
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: BF108234.D
Acq: 17 Aug 2018 10:58

Tgt Ion:164 Resp: 378784
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 46.0 38.3 57.5

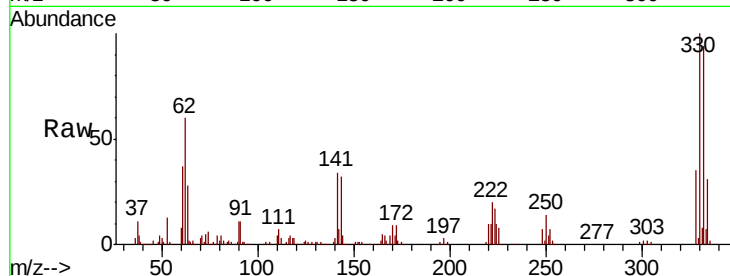




#41
 2,4,6-Tribromophenol
 Concen: 129.735 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.1	29.9	44.9

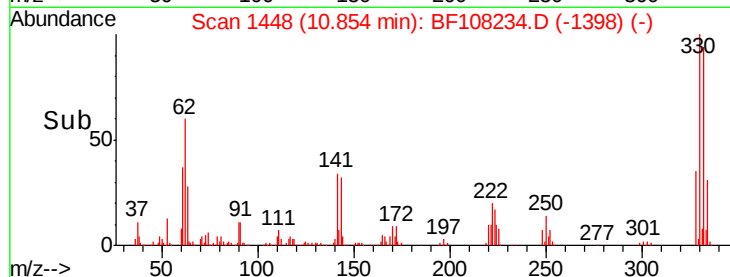
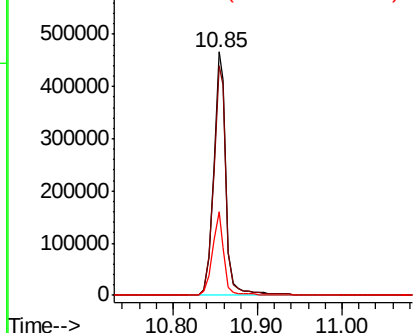


Abundance

Ion 329.80 (329.50 to 330.50): E

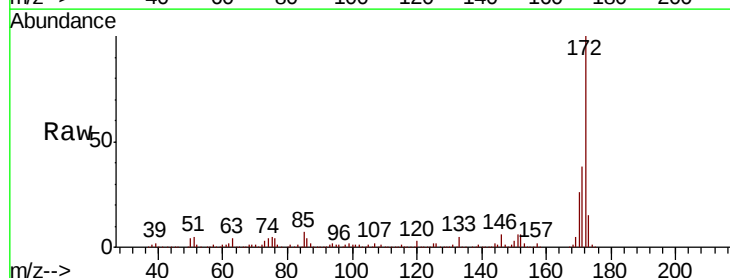
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.324 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.7	44.5
170	25.5	19.6	29.4

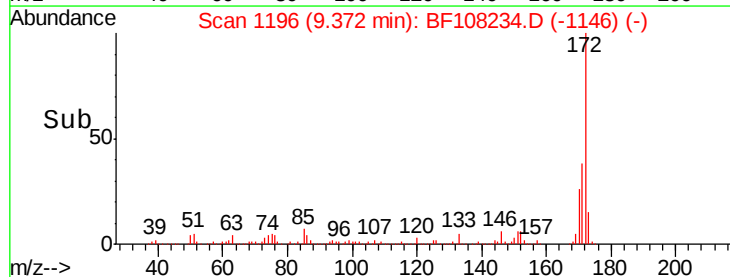
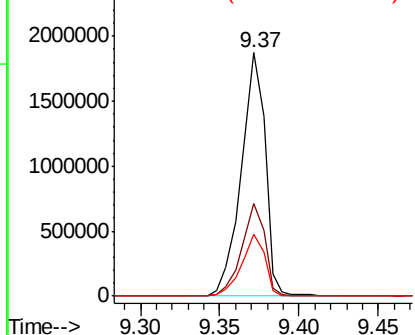


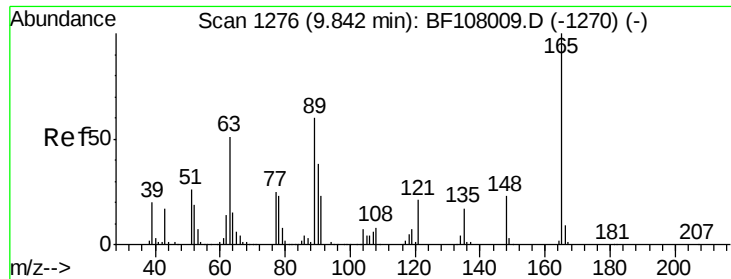
Abundance

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

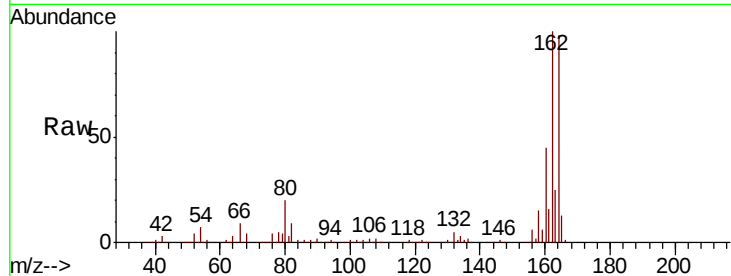




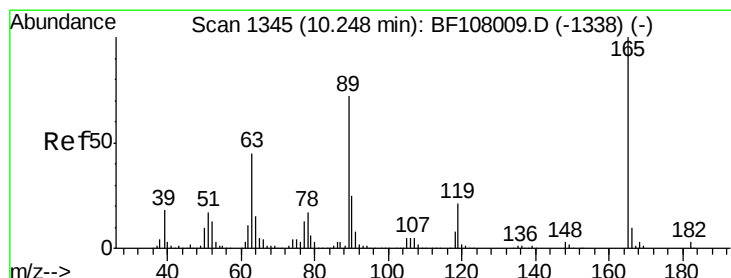
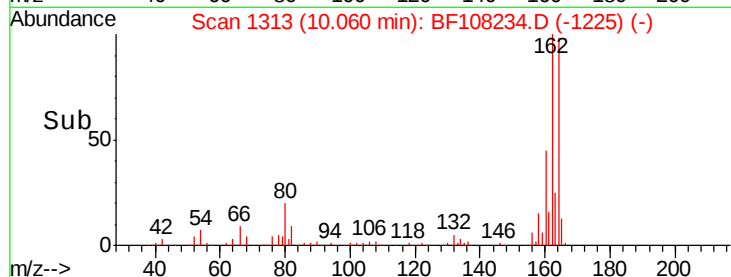
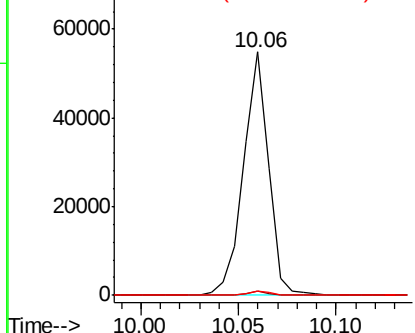
#50
 2,6-Dinitrotoluene
 Concen: 8.872 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.7	44.0	66.0#

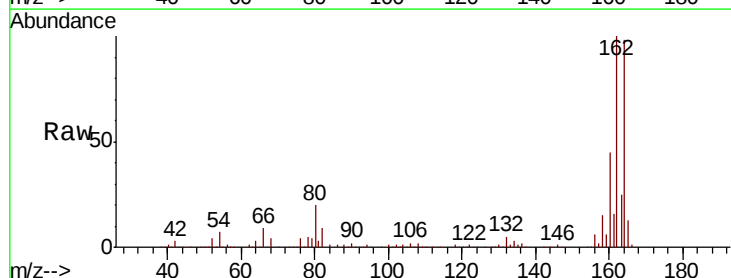


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

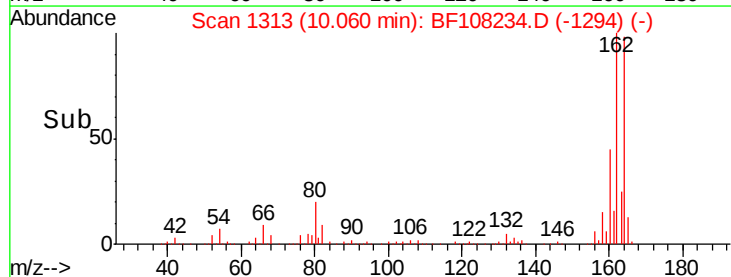
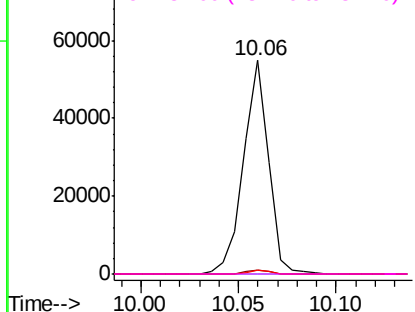


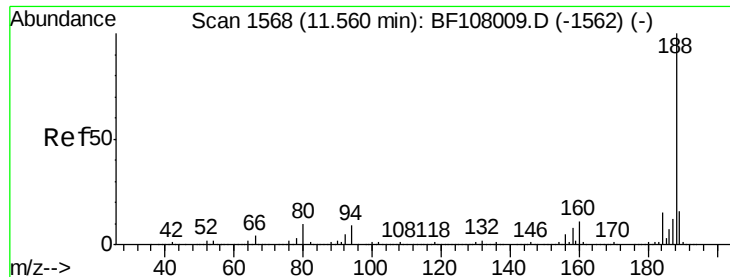
#56
 2,4-Dinitrotoluene
 Concen: 6.893 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	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

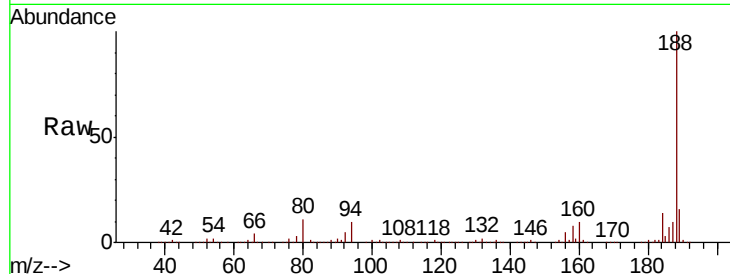




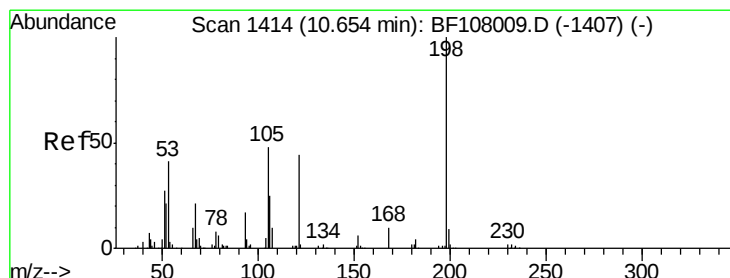
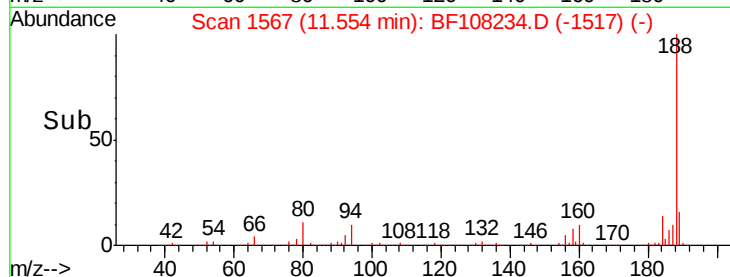
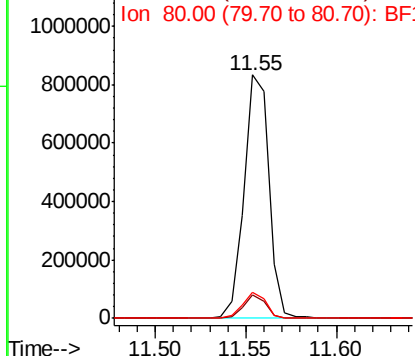
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 792542
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.9 9.2 13.8

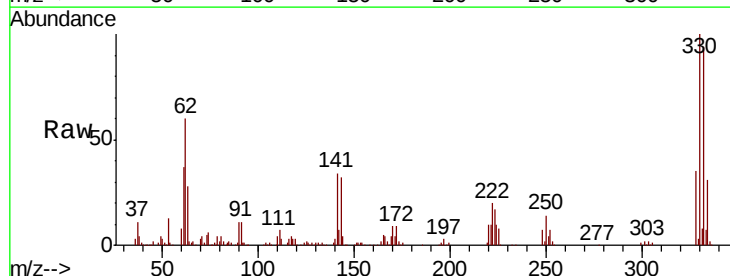


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

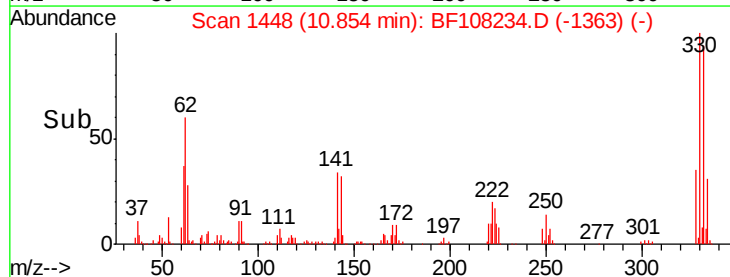
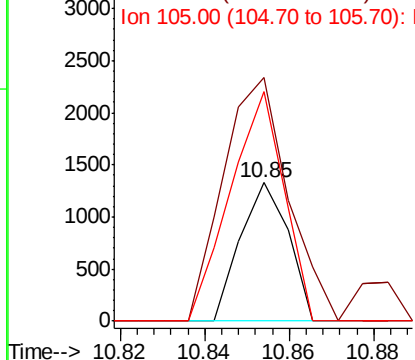


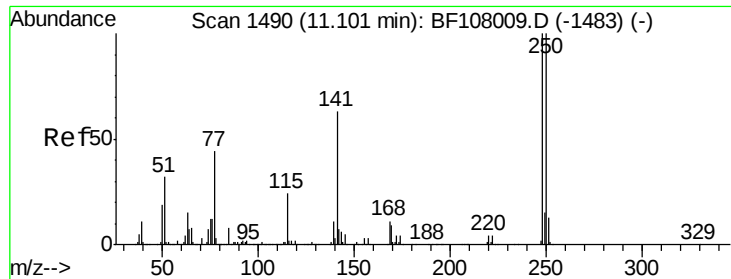
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.670 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Tgt Ion:198 Resp: 1044
 Ion Ratio Lower Upper
 198 100
 51 176.2 37.7 77.7#
 105 165.8 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

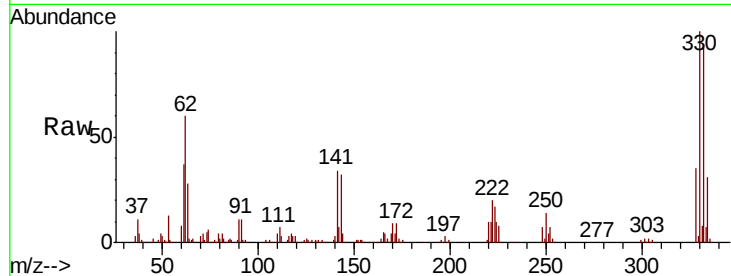




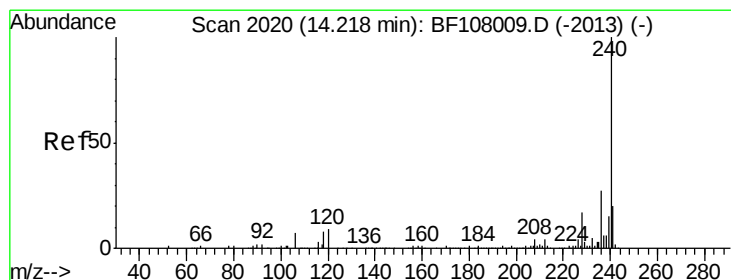
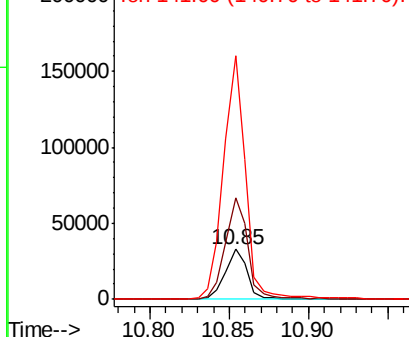
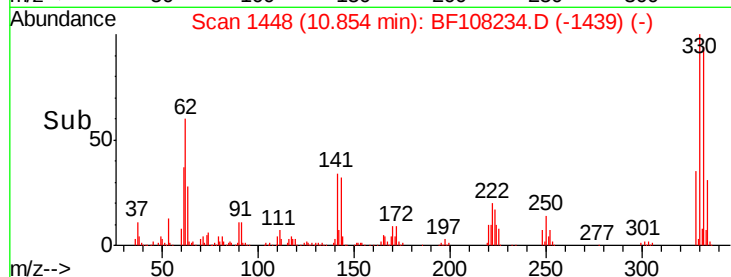
#66
 4-Bromophenyl-phenylether
 Concen: 3.711 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 31960
 Ion Ratio Lower Upper
 248 100
 250 204.6 76.9 115.3#
 141 489.9 74.4 111.6#

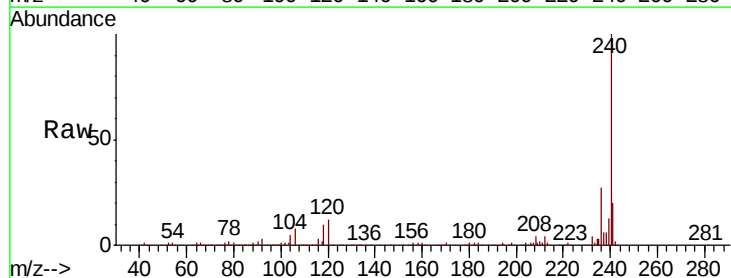


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

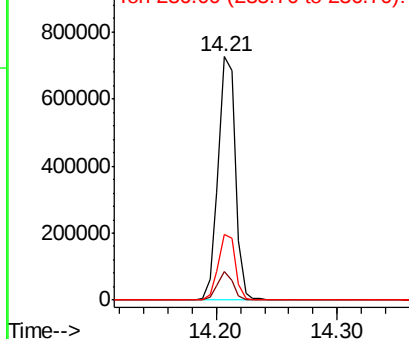
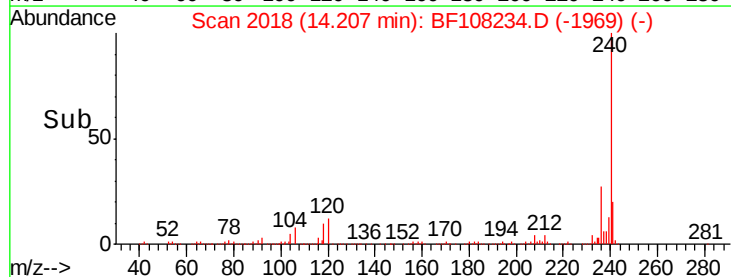


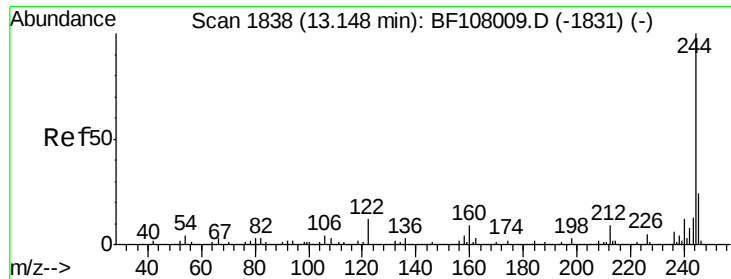
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF108234.D
 Acq: 17 Aug 2018 10:58

Tgt Ion:240 Resp: 712941
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.5 14.3
 236 27.2 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: 82.898 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108234.D

Acq: 17 Aug 2018 10:58

Instrument :

BNA_F

ClientSampled :

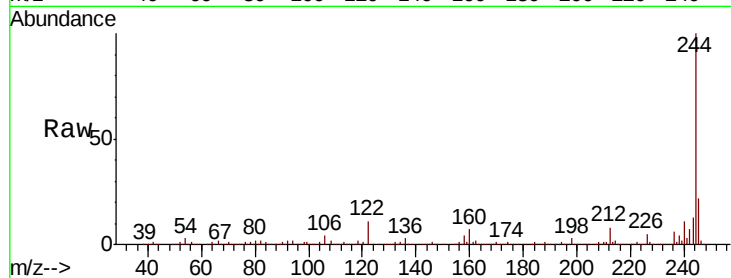
Tot Ion:244 Resp: 2324469

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

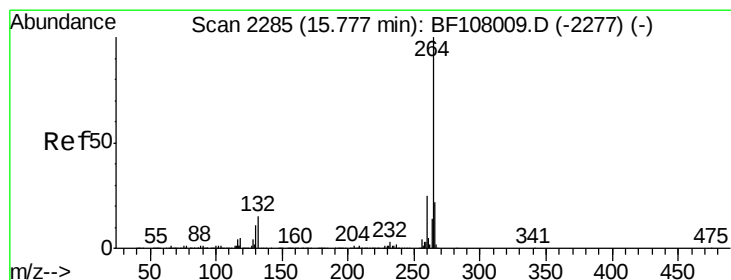
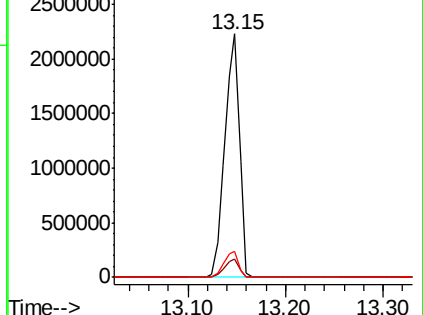
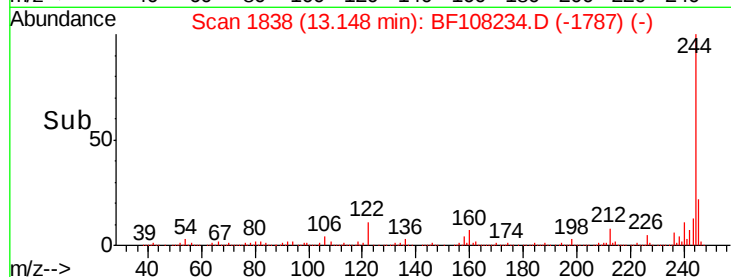
122 10.9 11.0 16.4#



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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108234.D

Acq: 17 Aug 2018 10:58

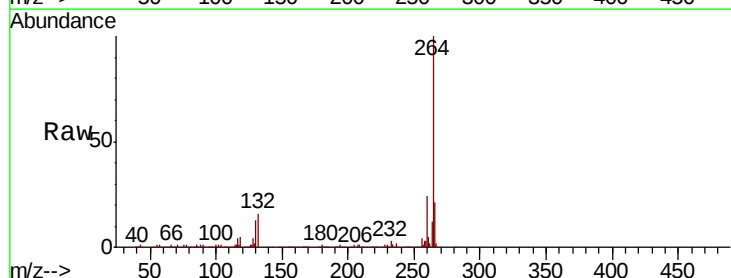
Tgt Ion:264 Resp: 623841

Ion Ratio Lower Upper

264 100

260 24.0 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

