

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108243.D
 Acq On : 17 Aug 2018 15:15
 Operator : JU/SJ
 Sample : J4500-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 17:20:11 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	143107	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	536653	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	249355	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	457565	20.00	ng	0.00
75) Chrysene-d12	14.21	240	441050	20.00	ng	-0.01
86) Perylene-d12	15.77	264	427539	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	406388	51.41	ng	0.00
7) Phenol-d6	6.63	99	520917	49.59	ng	0.00
23) Nitrobenzene-d5	7.57	82	335869	34.92	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	124821	50.18	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	634064	40.82	ng	0.00
78) Terphenyl-d14	13.14	244	640754	36.94	ng	-0.01

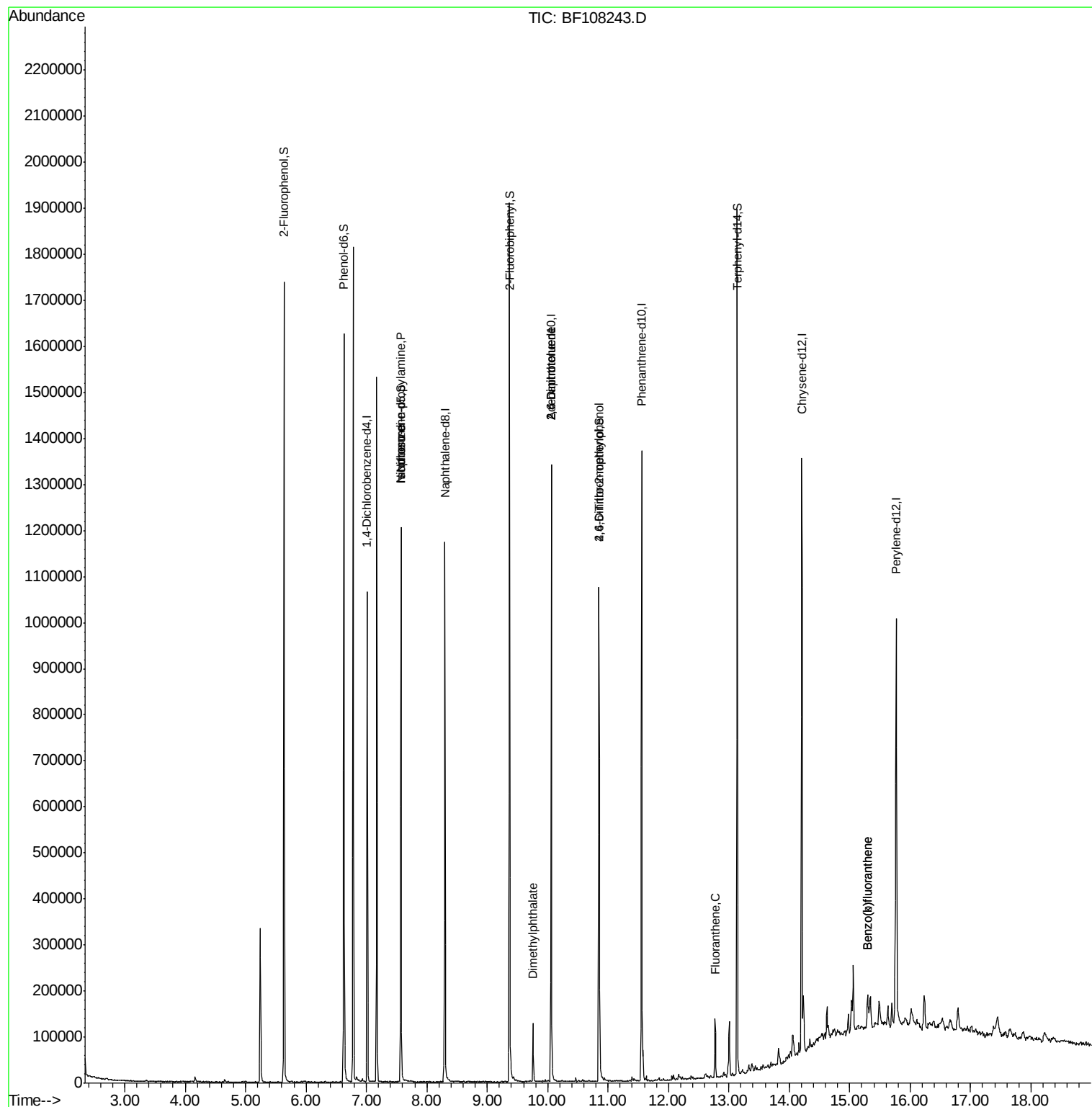
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	44334	6.241	ng	# 85
25) Isophorone	7.57	82	335865	18.322	ng	# 64
49) Dimethylphthalate	9.76	163	47413	2.730	ng	100
50) 2,6-Dinitrotoluene	10.06	165	31461	8.657	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	31461	6.726	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	288	5.508	ng	# 1
74) Fluoranthene	12.77	202	48418	2.056	ng	96
87) Benzo(b)fluoranthene	15.29	252	51130	2.001	ng	# 93
88) Benzo(k)fluoranthene	15.29	252	51130	2.177	ng	96

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

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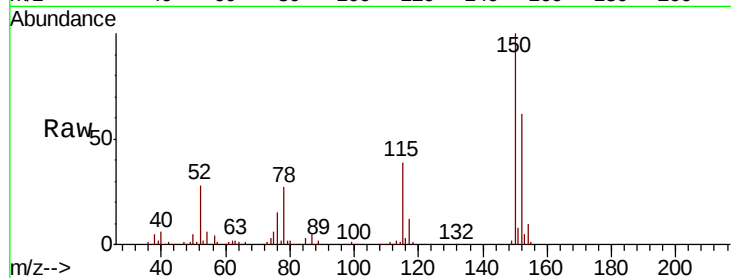


#1

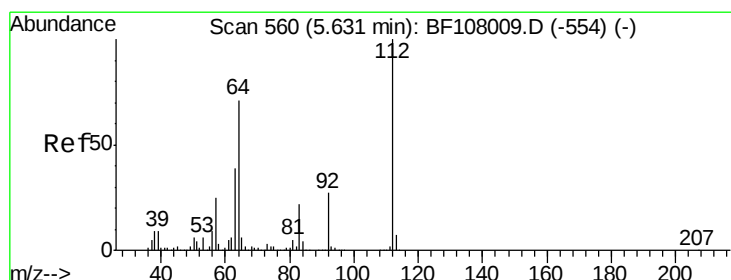
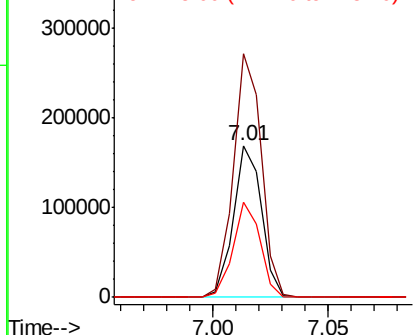
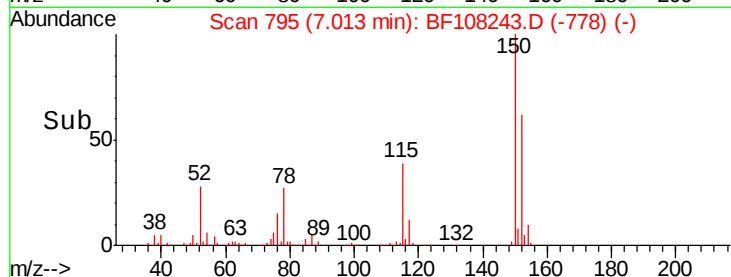
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	62.8	50.1	75.1



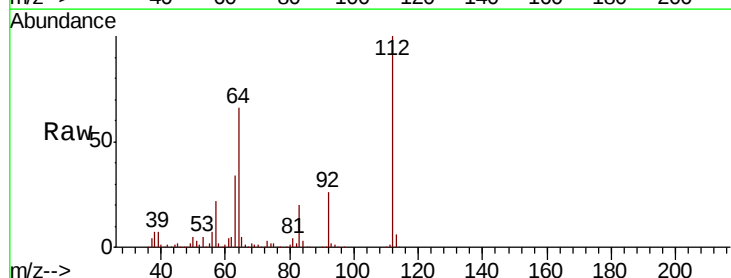
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



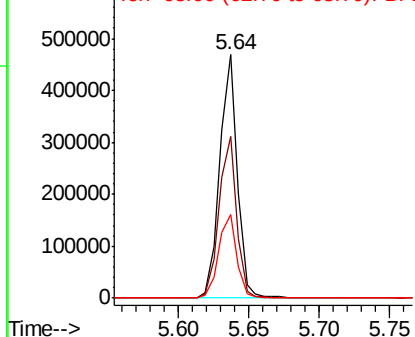
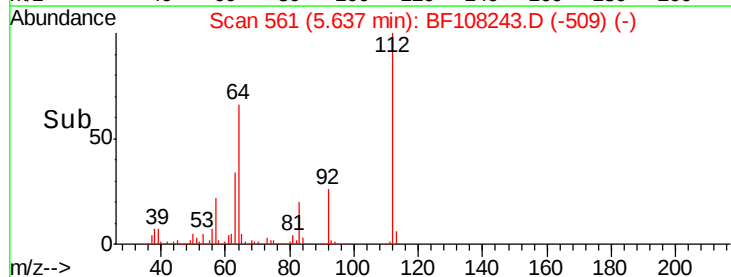
#5

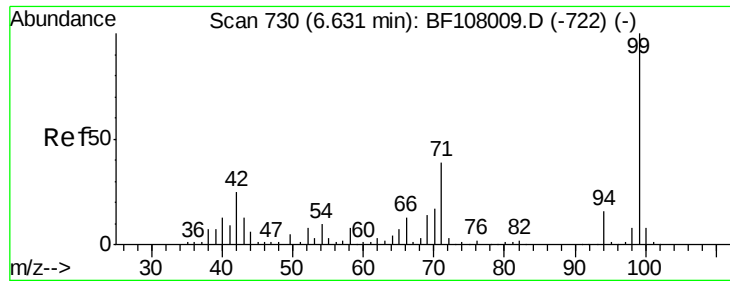
2-Fluorophenol
Concen: 51.412 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	34.4	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: 49.592 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

Instrument :

BNA_F

ClientSampleId :

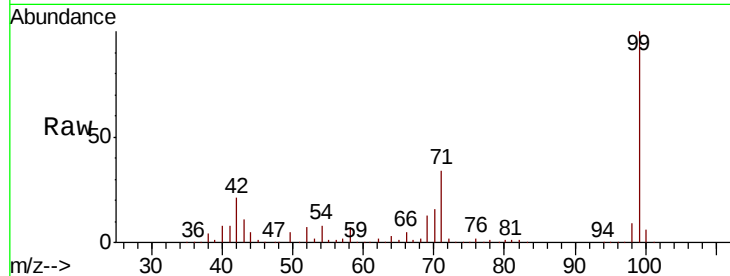
Tot Ion: 99 Resp: 520917

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

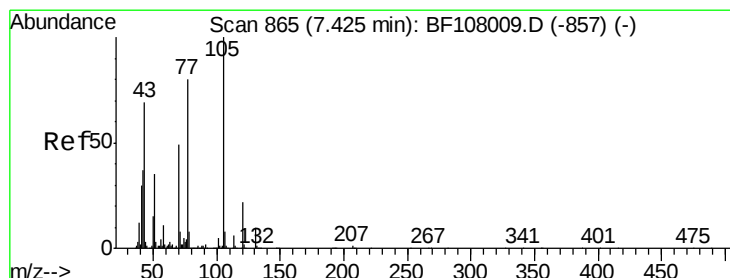
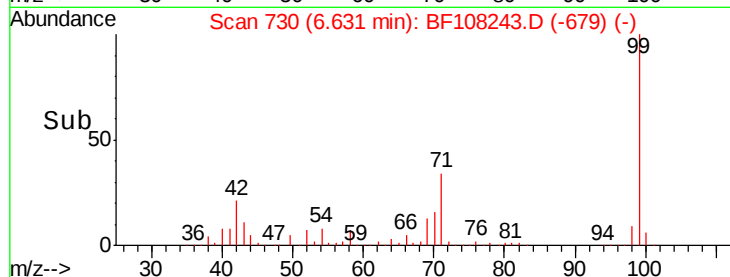
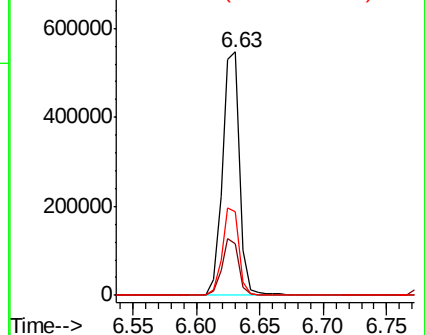
71 34.3 25.4 38.0



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: 6.241 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

Tgt Ion: 70 Resp: 44334

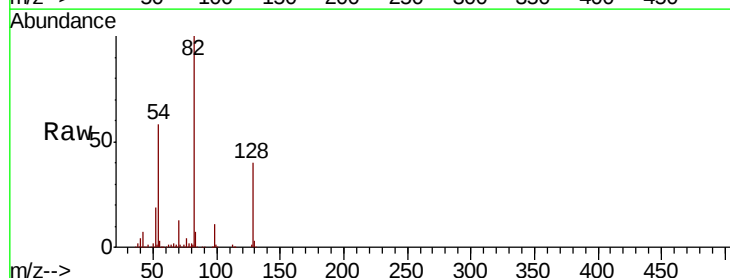
Ion Ratio Lower Upper

70 100

42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

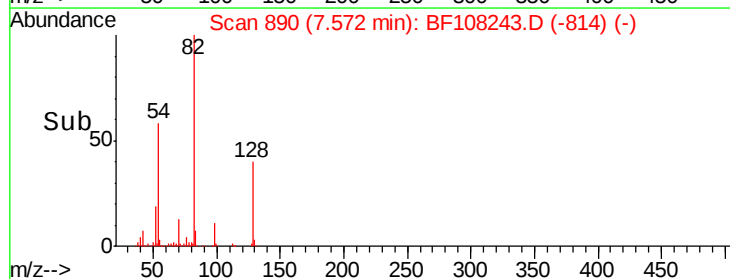
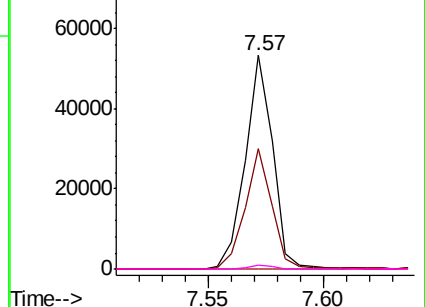


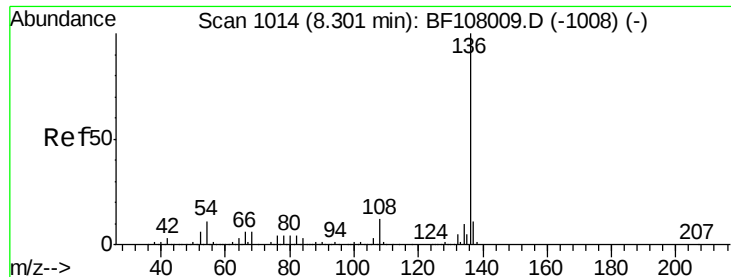
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

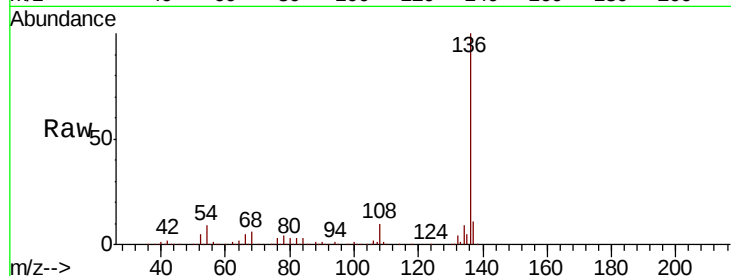




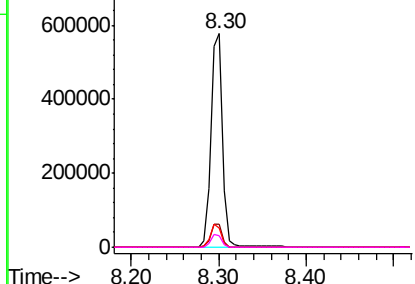
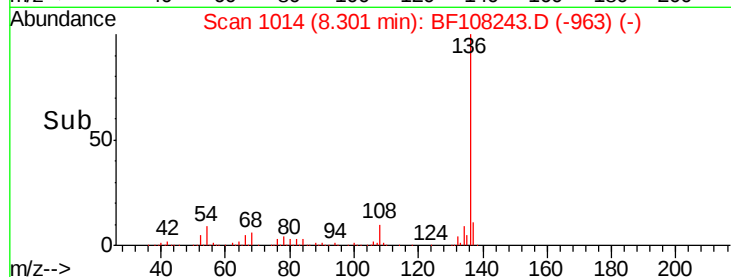
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	536653
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	8.8	6.6 9.8
68	5.6	5.0 7.4

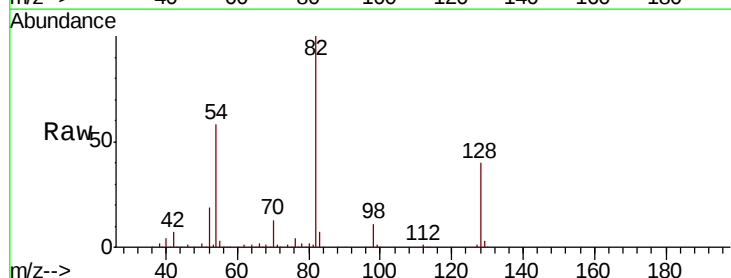


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

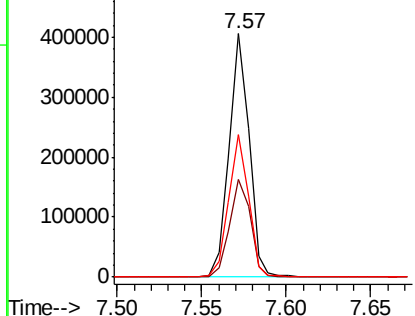
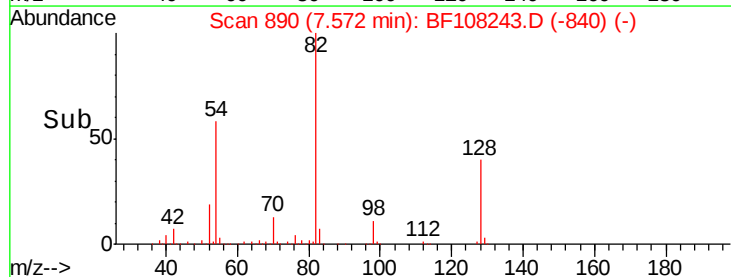


#23
Nitrobenzene-d5
Concen: 34.924 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Tgt Ion: 82	Resp:	335869
Ion	Ratio	Lower Upper
82	100	
128	40.4	36.1 54.1
54	58.4	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: 18.322 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

Instrument :

BNA_F

ClientSampleId :

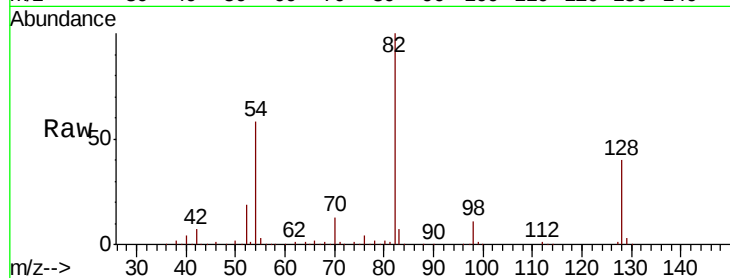
Tot Ion: 82 Resp: 335865

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

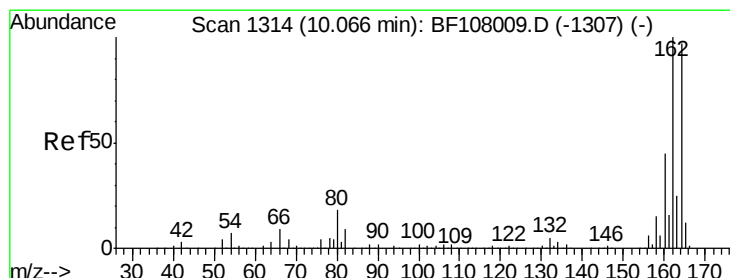
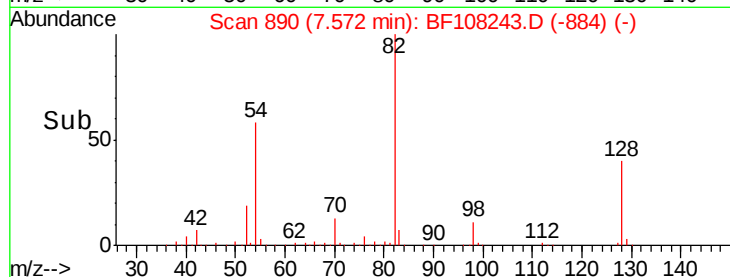
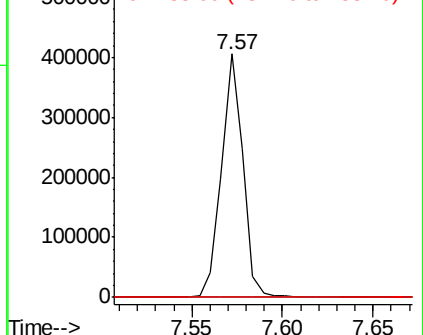
138 0.0 14.9 22.3#



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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

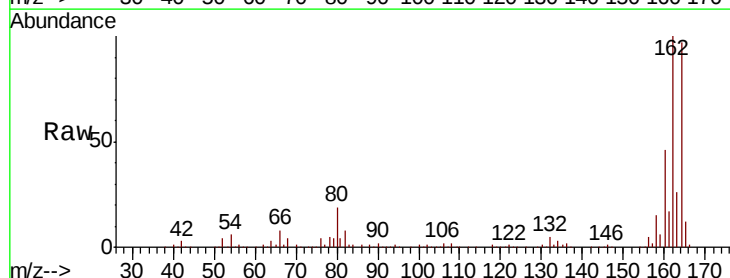
Tgt Ion: 164 Resp: 249355

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

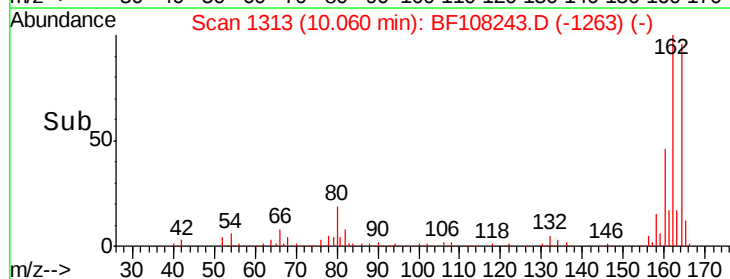
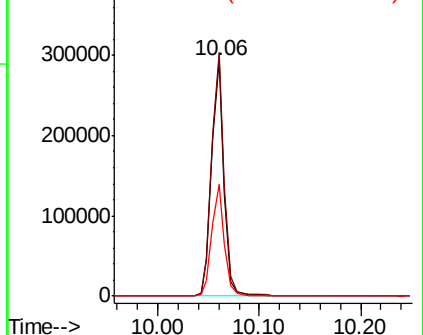
160 47.3 38.3 57.5



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

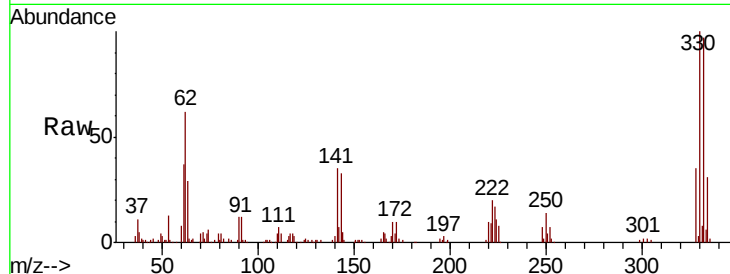




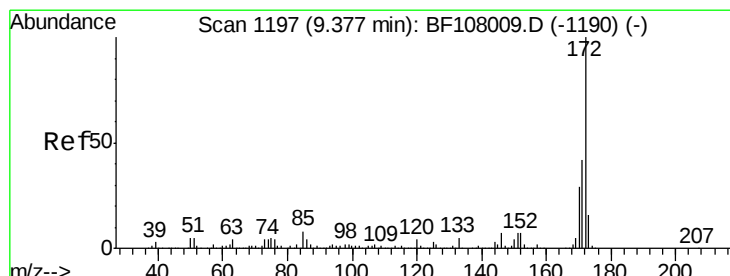
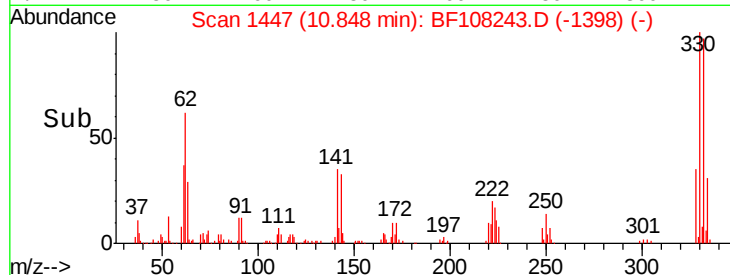
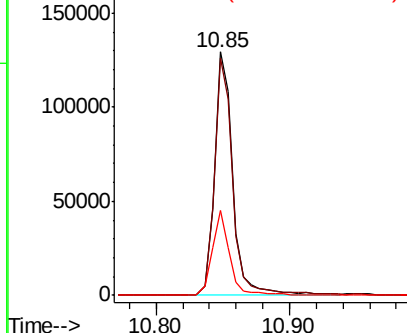
#41
 2,4,6-Tribromophenol
 Concen: 50.184 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	33.2	29.9	44.9

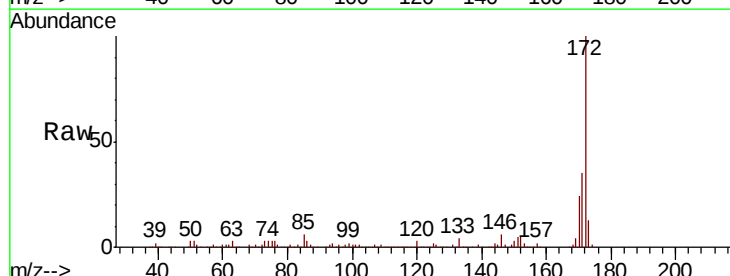


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

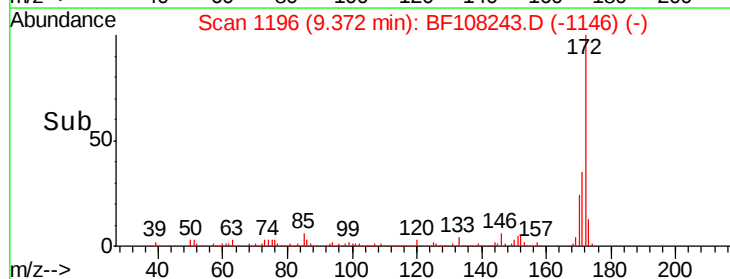
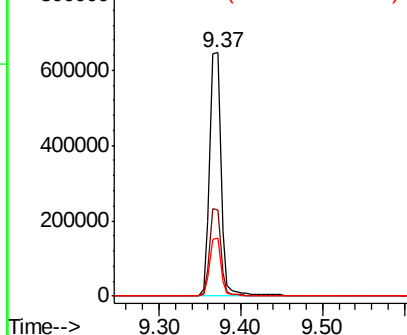


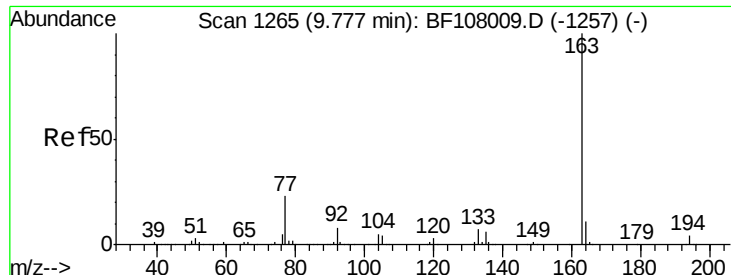
#44
 2-Fluorobiphenyl
 Concen: 40.824 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.0	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

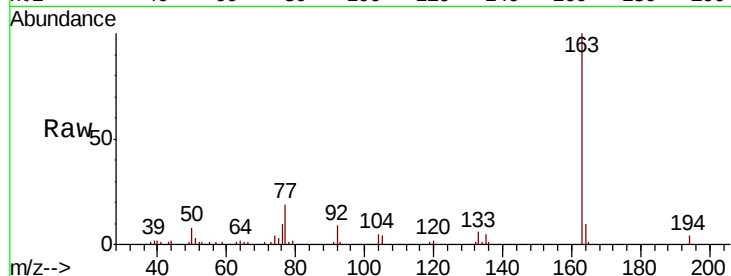




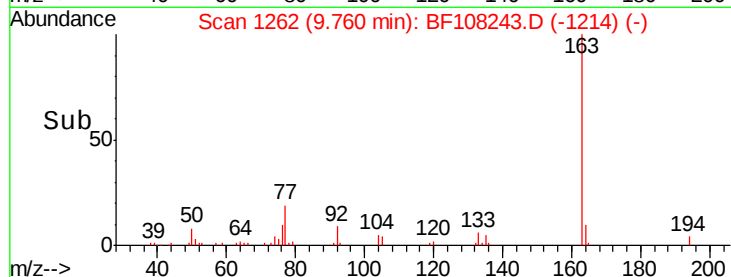
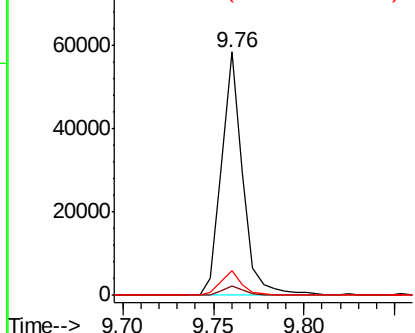
#49
Dimethylphthalate
Concen: 2.730 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

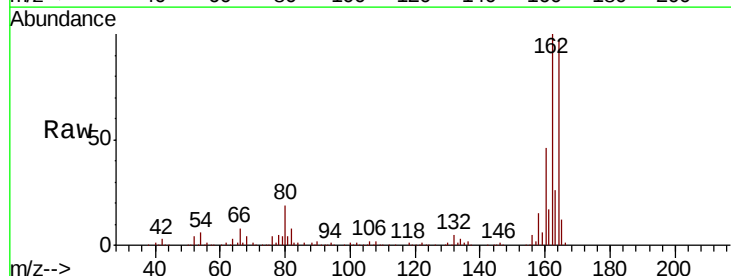


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

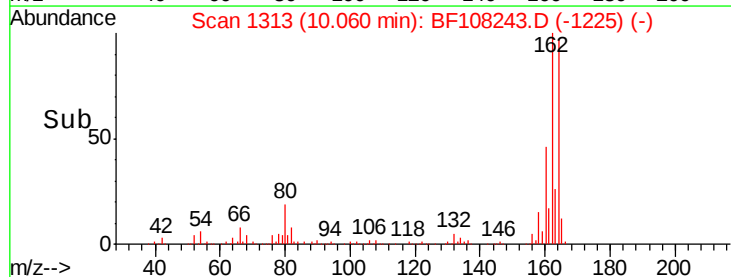
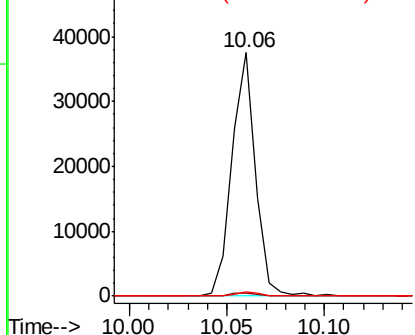


#50
2,6-Dinitrotoluene
Concen: 8.657 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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

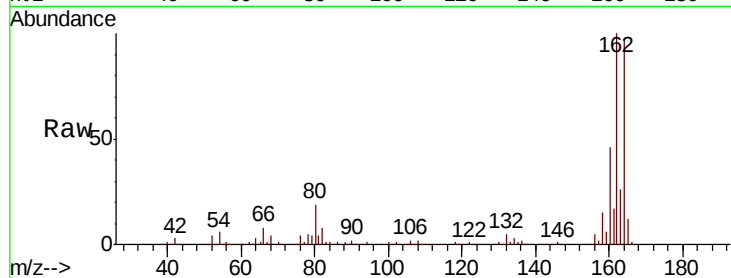




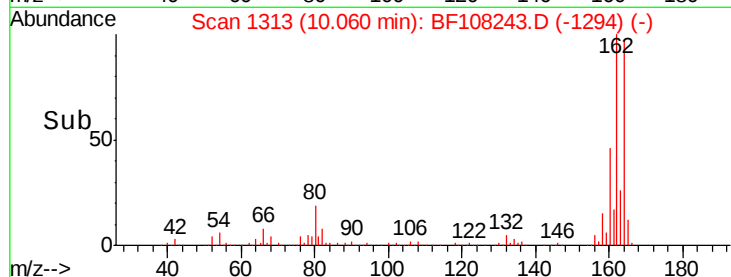
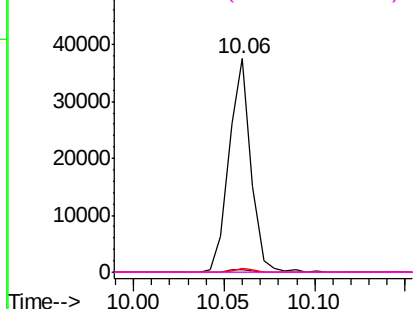
#56
 2,4-Dinitrotoluene
 Concen: 6.726 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

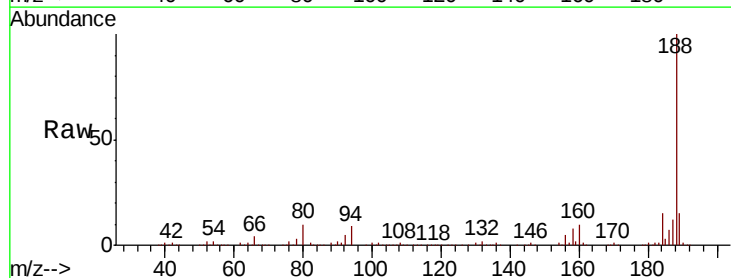


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

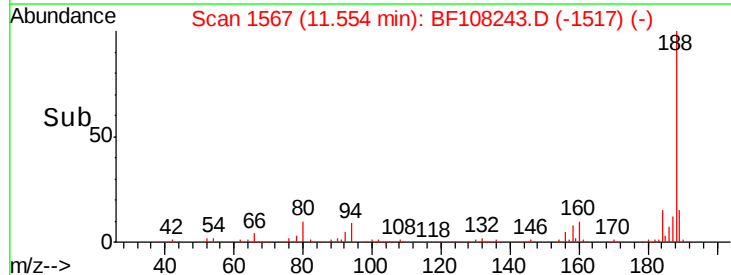
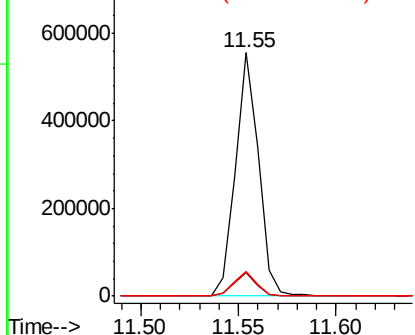


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.2	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

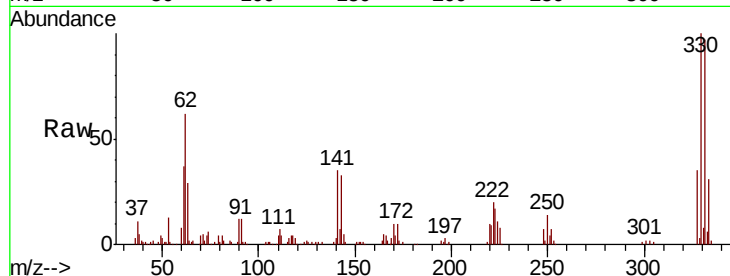




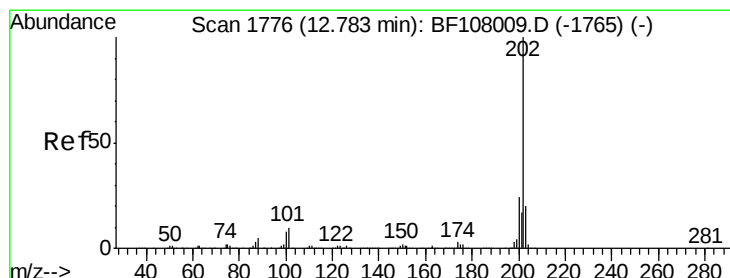
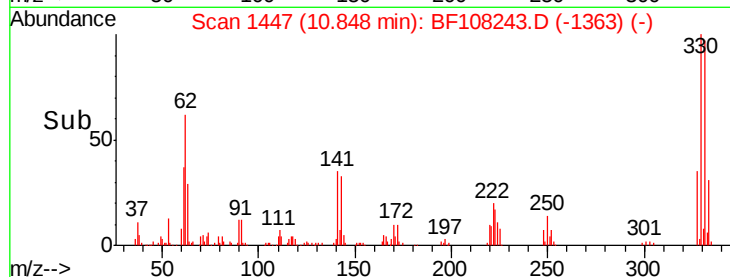
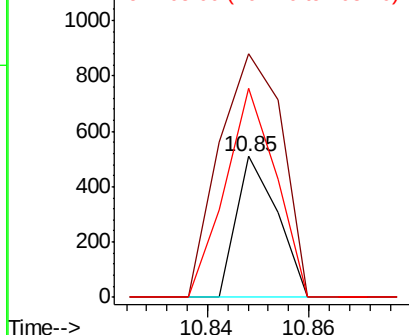
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.508 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.20 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 288
 Ion Ratio Lower Upper
 198 100
 51 172.4 37.7 77.7#
 105 147.6 36.3 76.3#

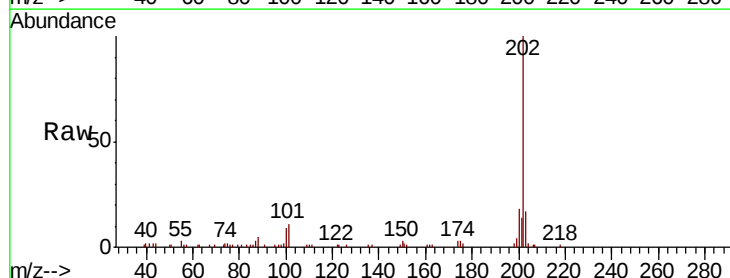


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

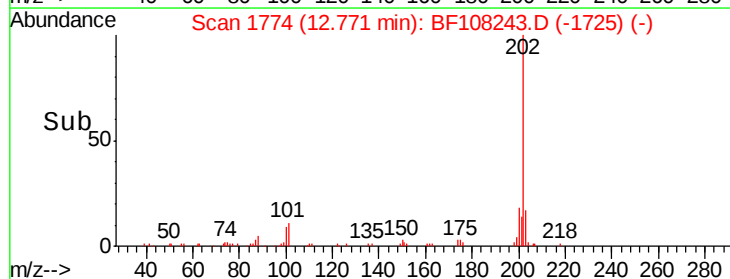
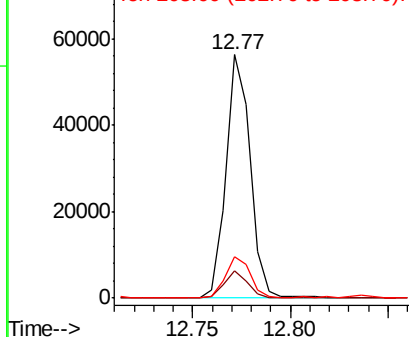


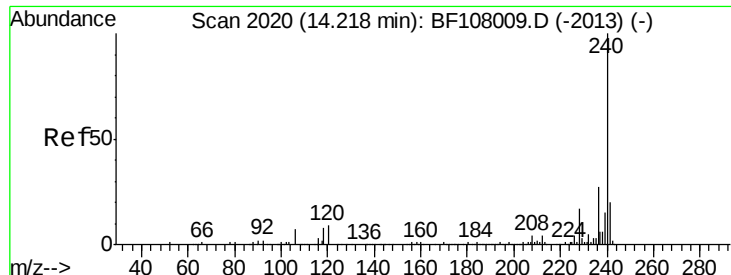
#74
 Fluoranthene
 Concen: 2.056 ng
 RT: 12.77 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Tgt Ion:202 Resp: 48418
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 34.1
 203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

Instrument :

BNA_F

ClientSampleId :

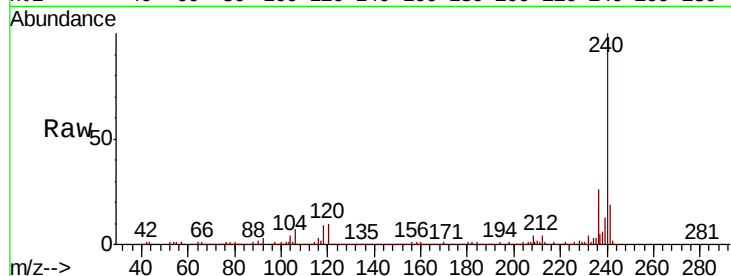
Tot Ion:240 Resp: 441050

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

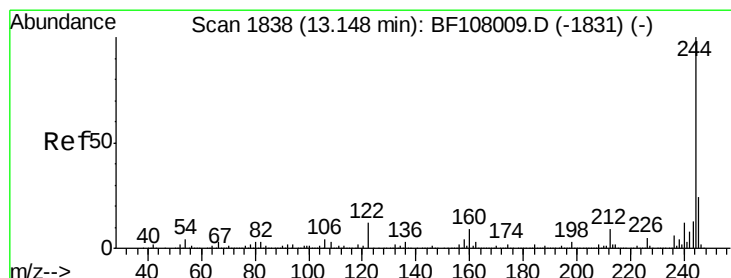
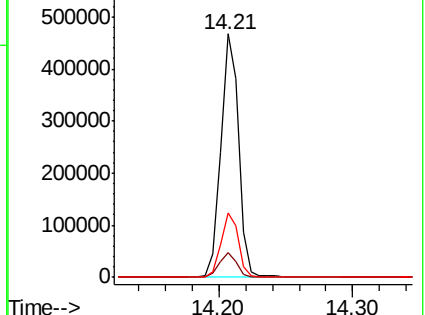
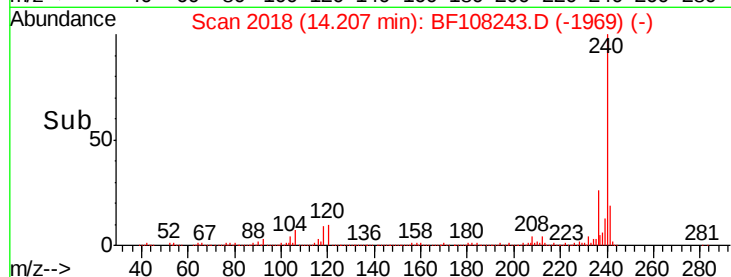
236 26.2 20.7 31.1



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: 36.938 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108243.D

Acq: 17 Aug 2018 15:15

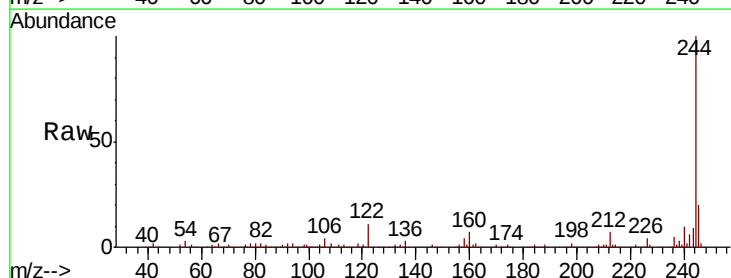
Tgt Ion:244 Resp: 640754

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

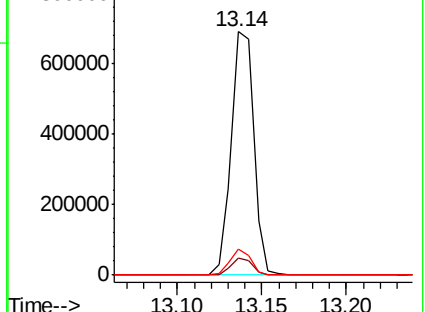
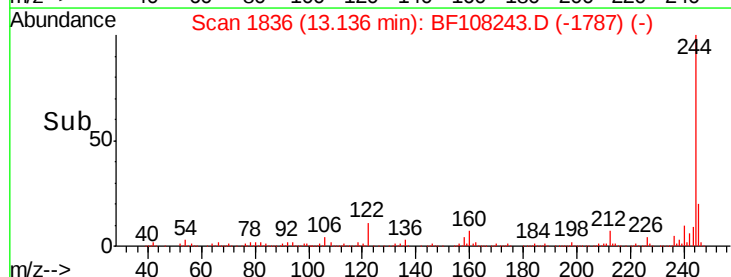
122 10.9 11.0 16.4#

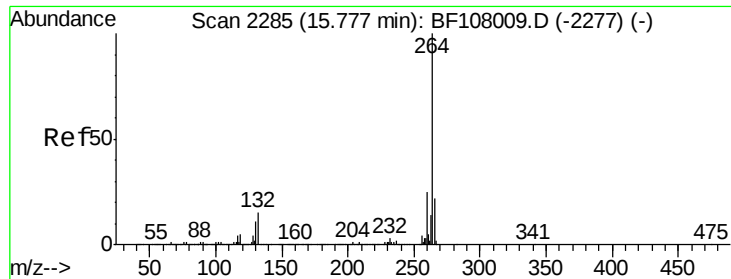


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

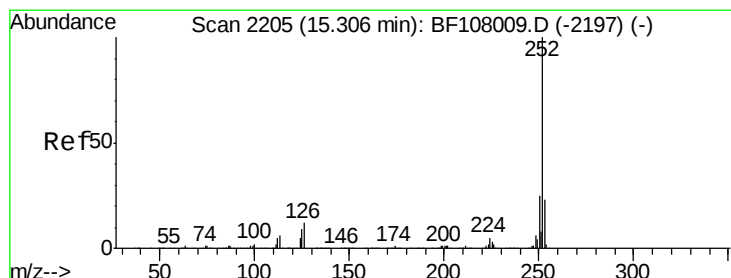
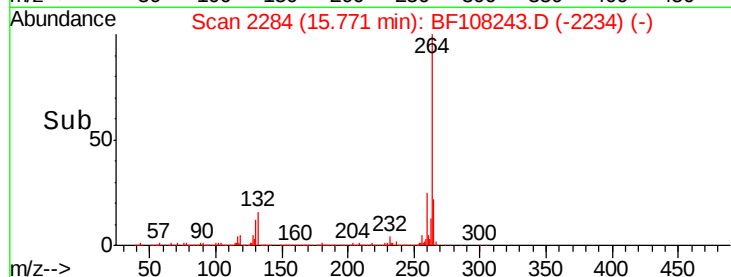
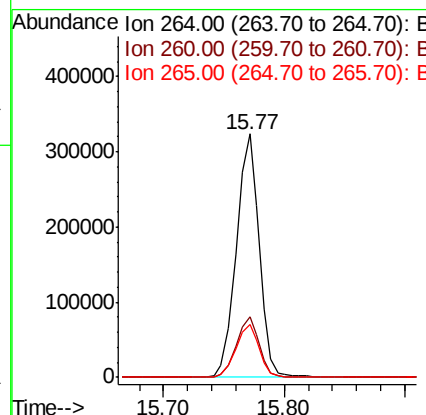
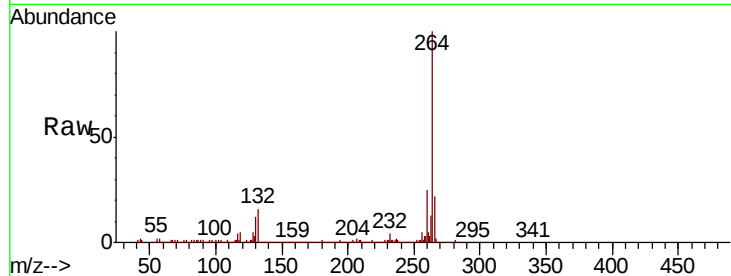




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

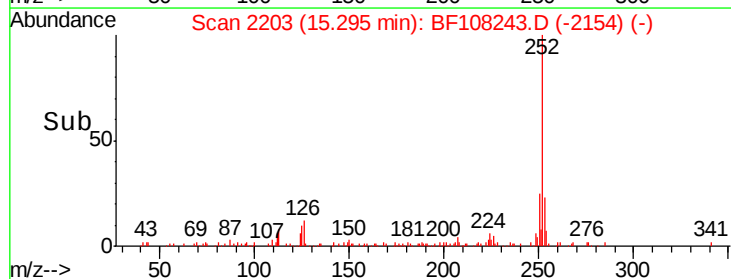
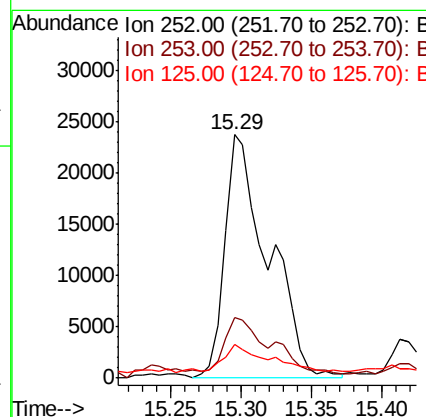
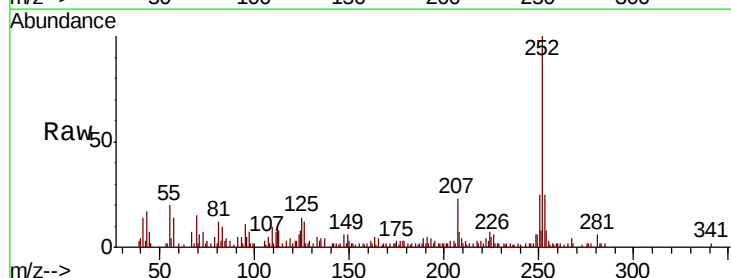
Instrument :
BNA_F
ClientSampleId :

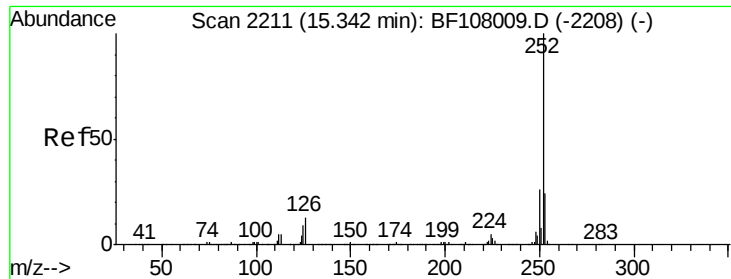
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.001 ng
RT: 15.29 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF108243.D
Acq: 17 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	13.9	9.0	13.6

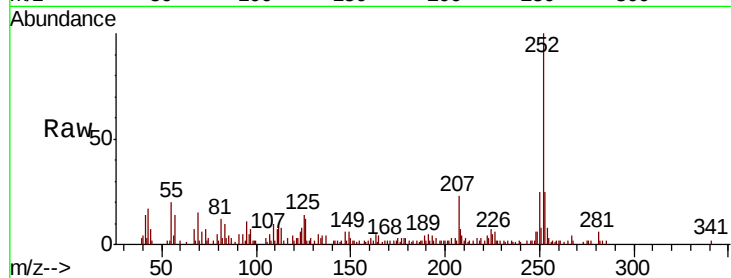




#88
 Benzo(k)fluoranthene
 Concen: 2.177 ng
 RT: 15.29 min Scan# 2203
 Delta R.T. -0.05 min
 Lab File: BF108243.D
 Acq: 17 Aug 2018 15:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	13.9	10.2	15.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

