

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108163.D
 Acq On : 15 Aug 2018 14:04
 Operator : JU/SJ
 Sample : J4447-16RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 15 16:00:48 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

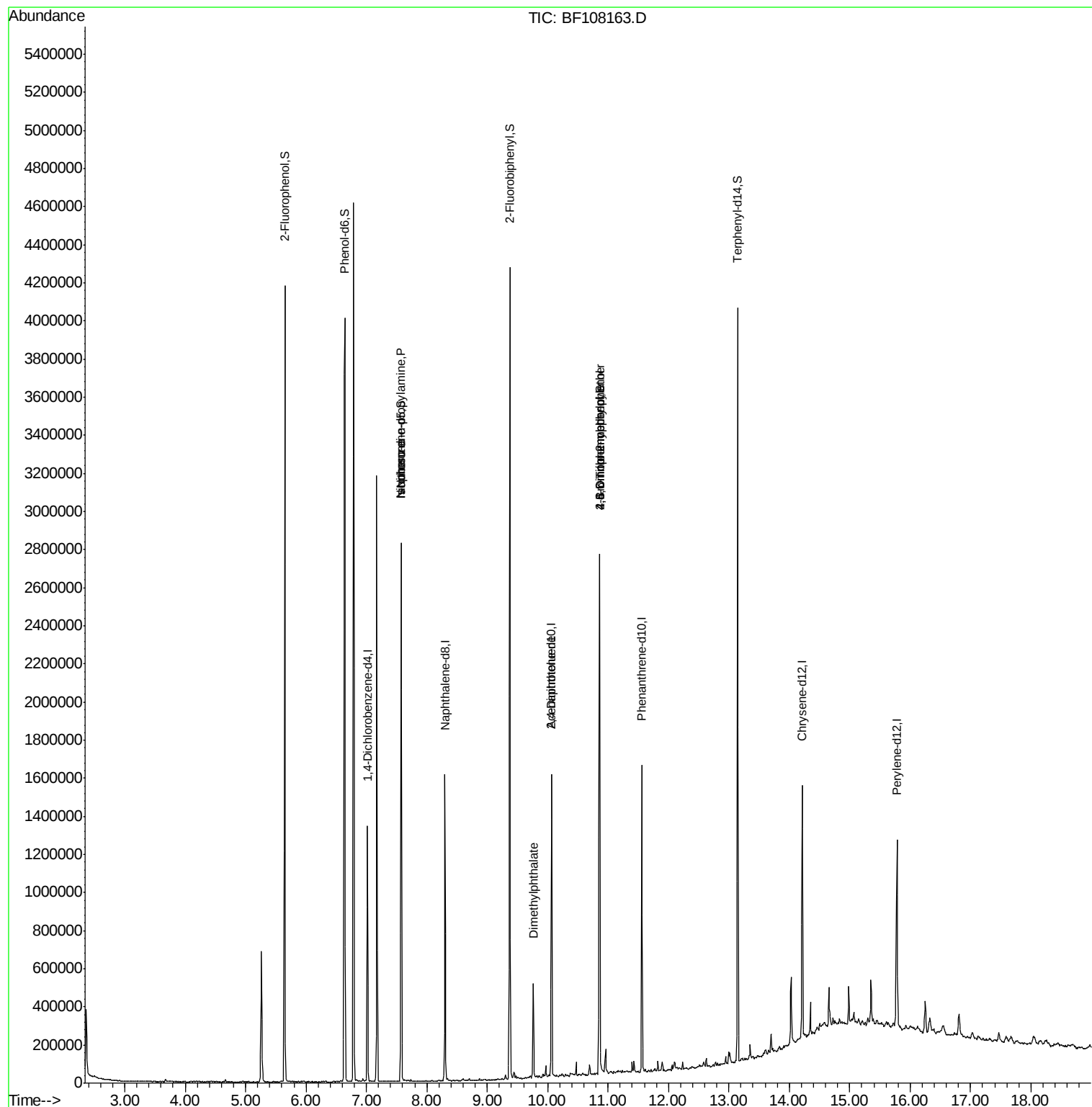
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	173698	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	647712	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	304820	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	542036	20.00	ng	0.00
75) Chrysene-d12	14.21	240	453973	20.00	ng	0.00
86) Perylene-d12	15.78	264	485829	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1046146	109.04	ng	0.02
7) Phenol-d6	6.64	99	1378580	108.13	ng	0.01
23) Nitrobenzene-d5	7.58	82	914294	78.77	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	358954	118.06	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1392719	73.35	ng	0.00
78) Terphenyl-d14	13.15	244	1253813	70.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	123601	14.336	ng	# 85
25) Isophorone	7.58	82	914285	41.325	ng	# 64
49) Dimethylphthalate	9.77	163	185750	8.748	ng	# 98
56) 2,4-Dinitrotoluene	10.07	165	38585	6.748	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	668	5.650	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	23052	3.913	ng	# 1

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

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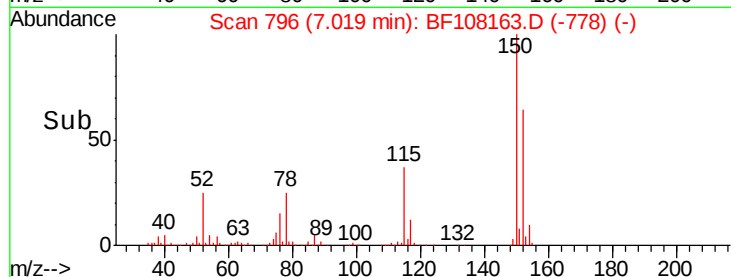
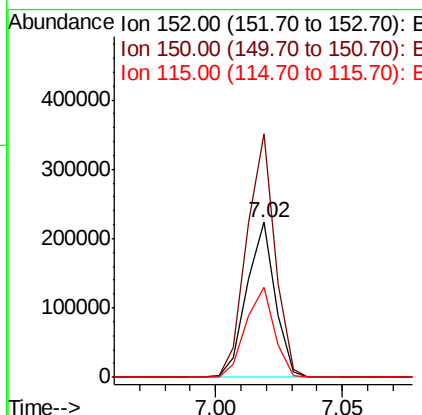
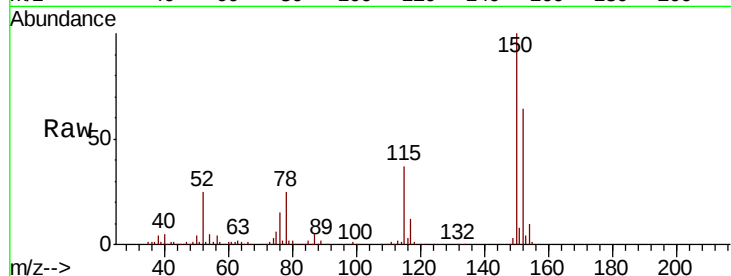


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

Instrument :
BNA_F
ClientSampleId :

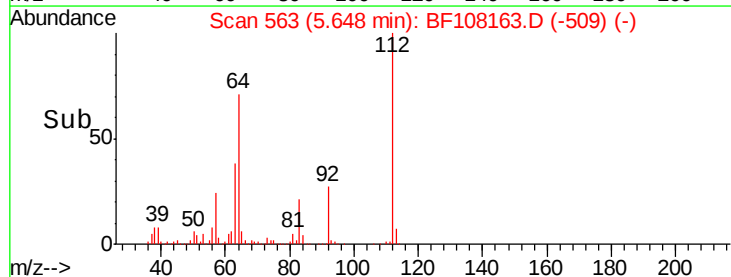
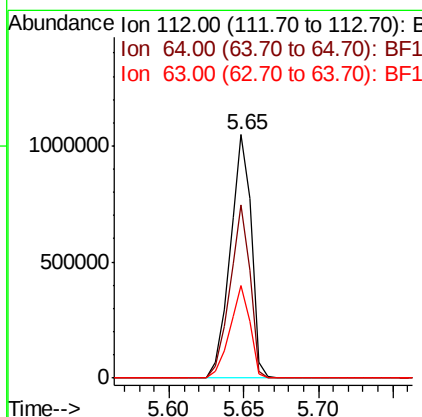
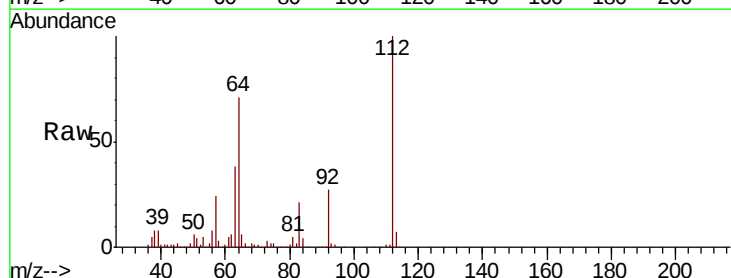
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	58.0	50.1	75.1



#5

2-Fluorophenol
Concen: 109.040 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	47.9	71.9
63	37.8	23.7	35.5





#7

Phenol-d6

Concen: 108.129 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

Instrument :

BNA_F

ClientSampleId :

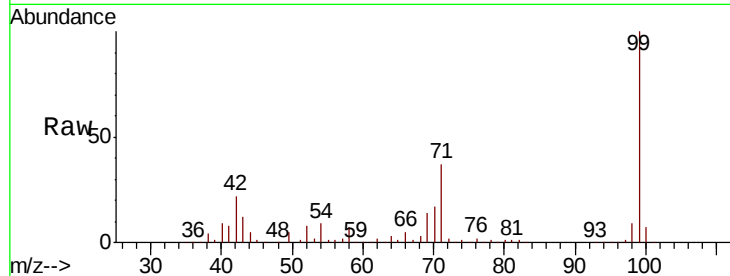
Tot Ion: 99 Resp: 1378580

Ion Ratio Lower Upper

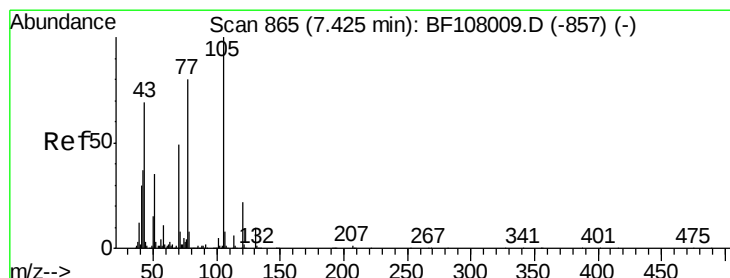
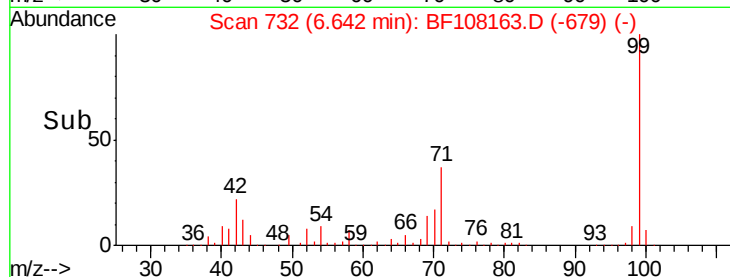
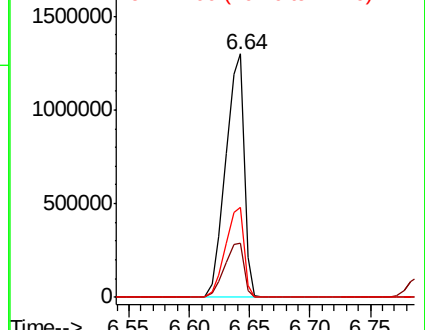
99 100

42 22.4 14.5 21.7#

71 36.9 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: 14.336 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

Tgt Ion: 70 Resp: 123601

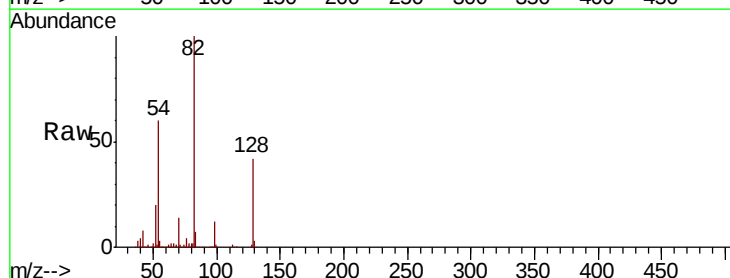
Ion Ratio Lower Upper

70 100

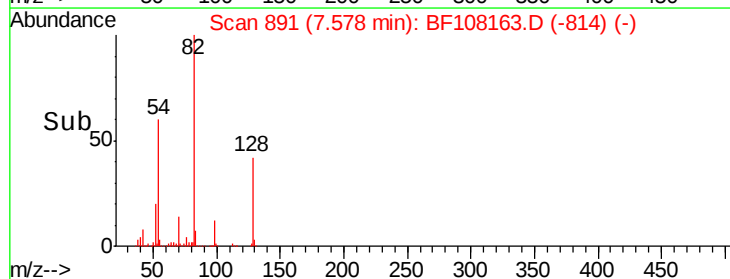
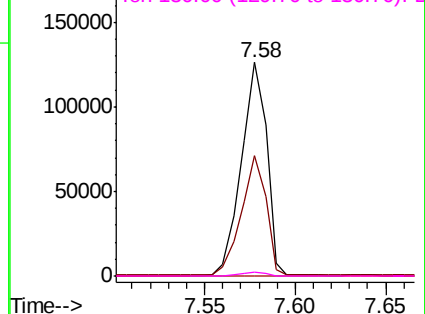
42 56.5 47.5 71.3

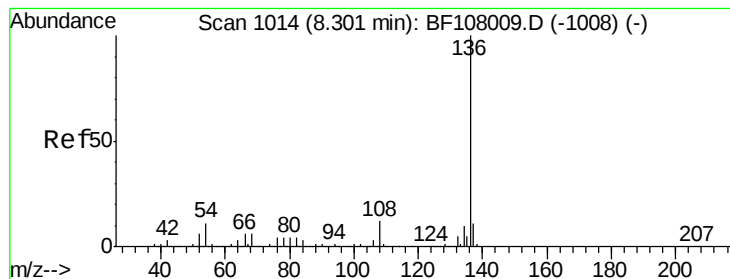
101 0.0 7.4 11.2#

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: BF108163.D

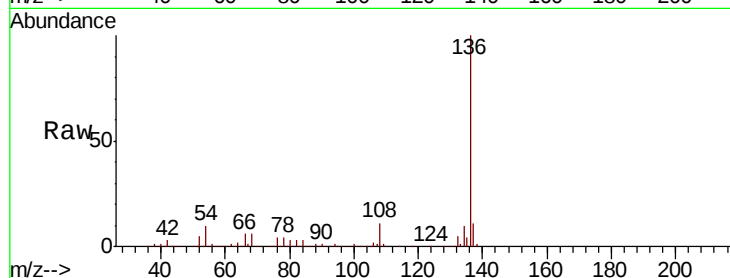
Acq: 15 Aug 2018 14:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	647712
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	10.0	6.6 9.8#
68	6.3	5.0 7.4

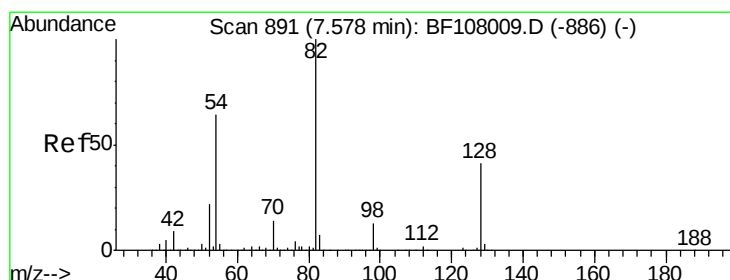
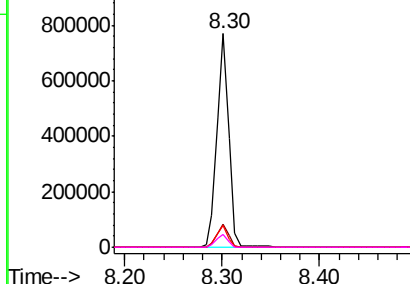
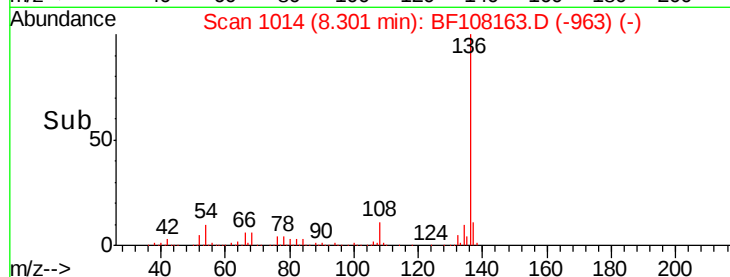


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.768 ng

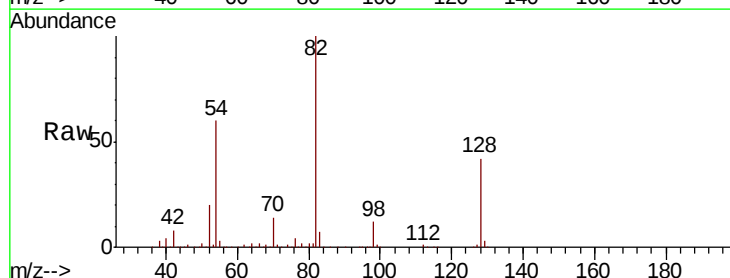
RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

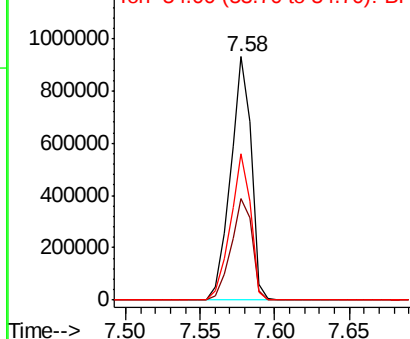
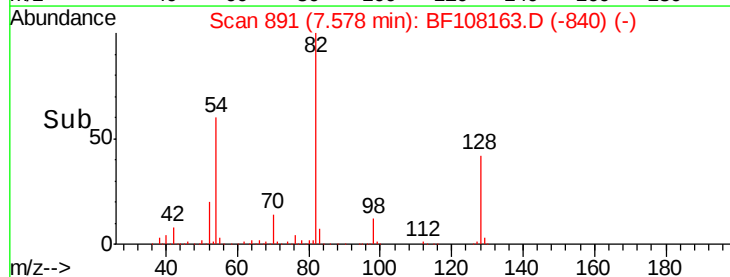
Tgt Ion: 82	Resp:	914294
Ion	Ratio	Lower Upper
82	100	
128	41.6	36.1 54.1
54	60.1	41.4 62.2

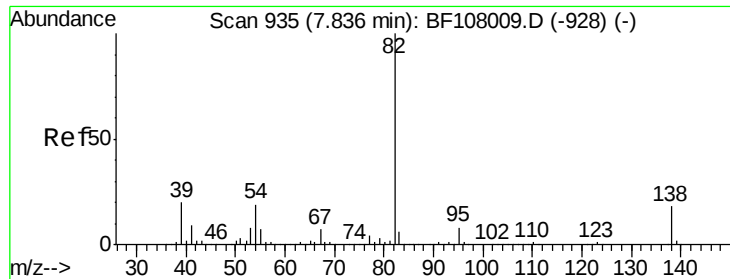


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.325 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

Instrument :

BNA_F

ClientSampled :

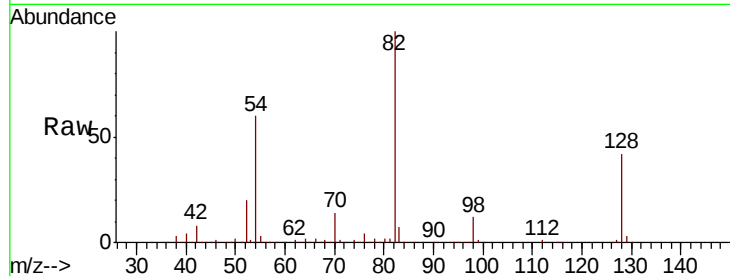
Tot Ion: 82 Resp: 914285

Ion Ratio Lower Upper

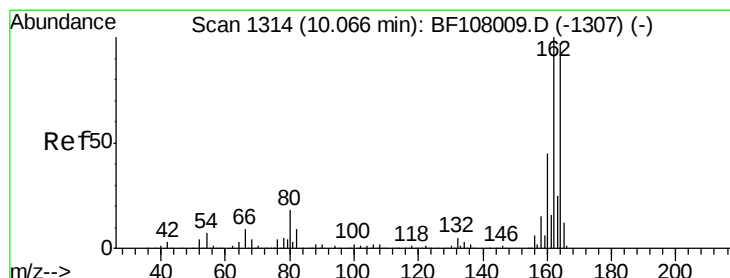
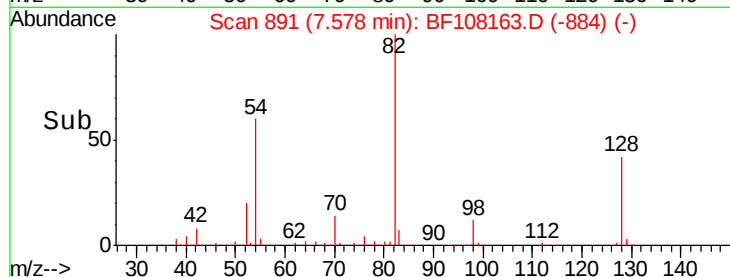
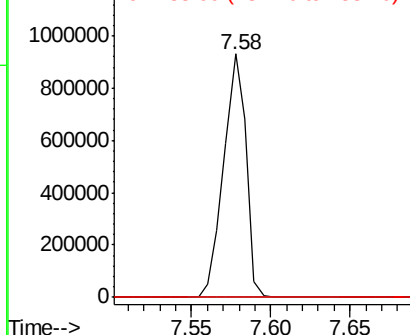
82 100

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: 10.07 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

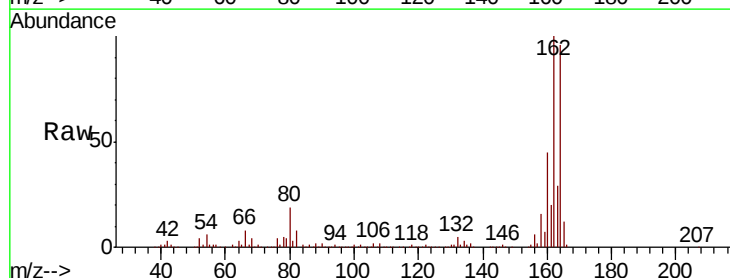
Tgt Ion:164 Resp: 304820

Ion Ratio Lower Upper

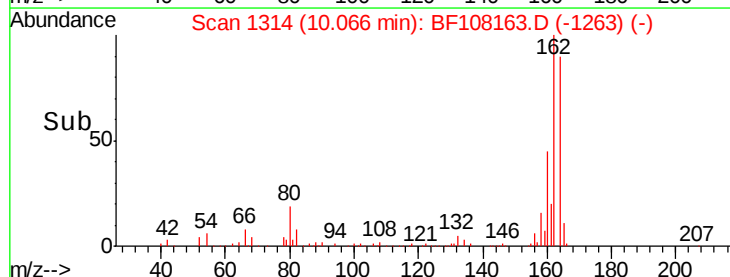
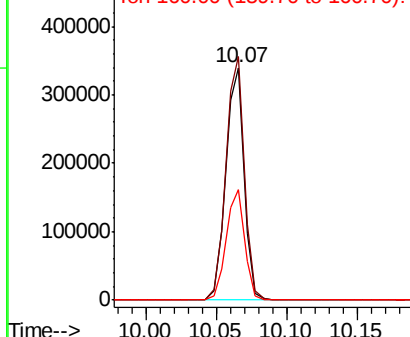
164 100

162 104.6 86.1 129.1

160 47.2 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

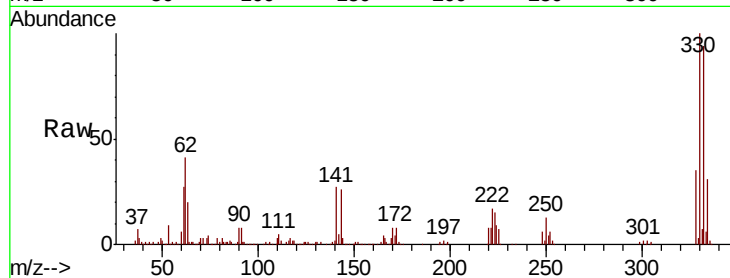




#41
 2,4,6-Tribromophenol
 Concen: 118.057 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108163.D
 Acq: 15 Aug 2018 14:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	32.4	29.9	44.9

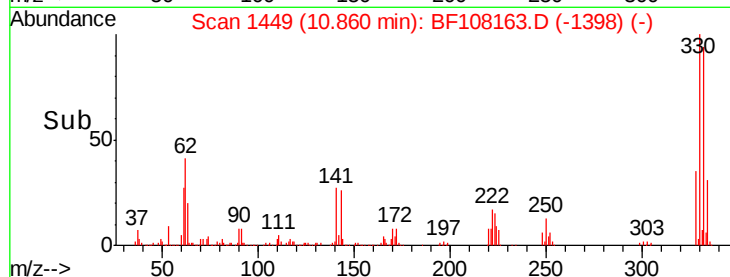
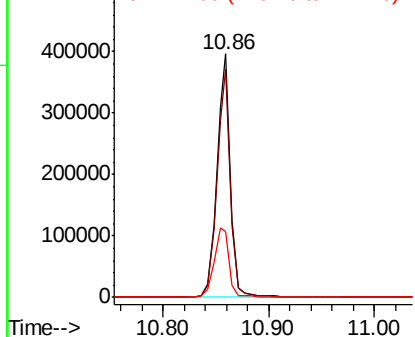


Abundance

Ion 329.80 (329.50 to 330.50): E

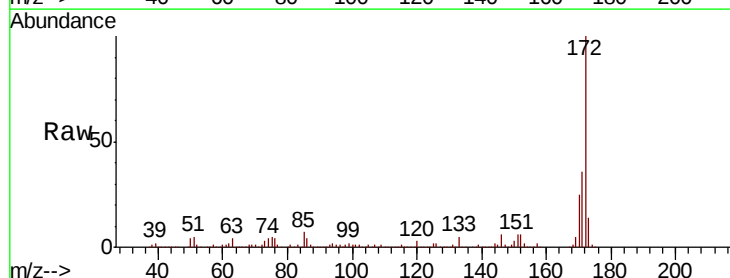
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.354 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108163.D
 Acq: 15 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.9	19.6	29.4

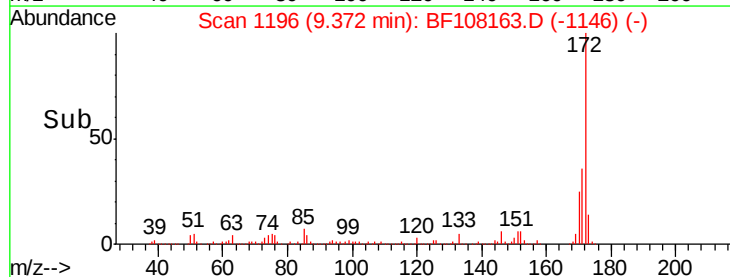
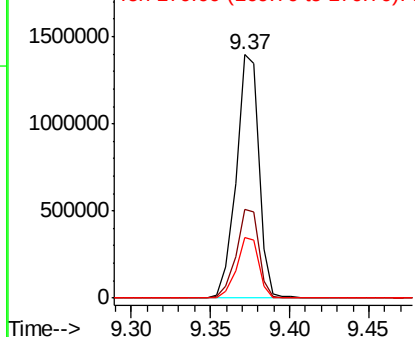


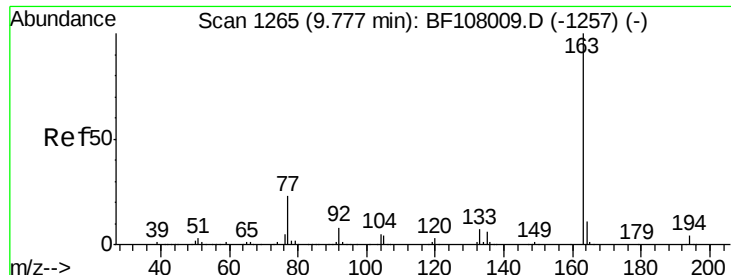
Abundance

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

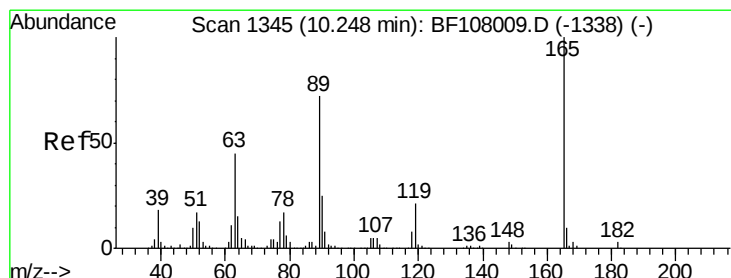
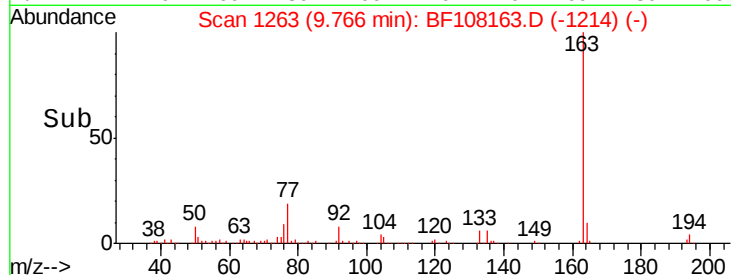
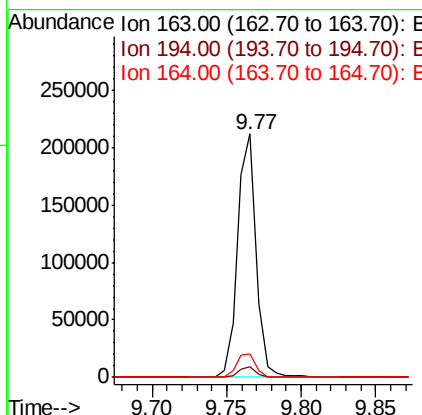
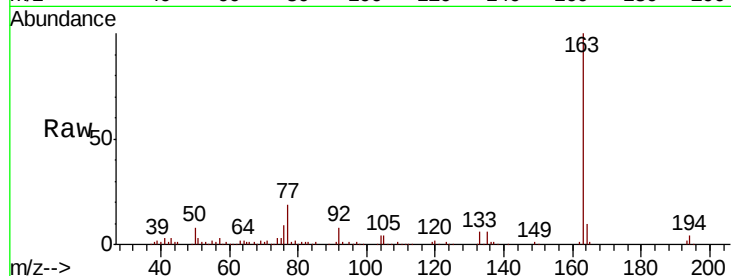




#49
Dimethylphthalate
Concen: 8.748 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

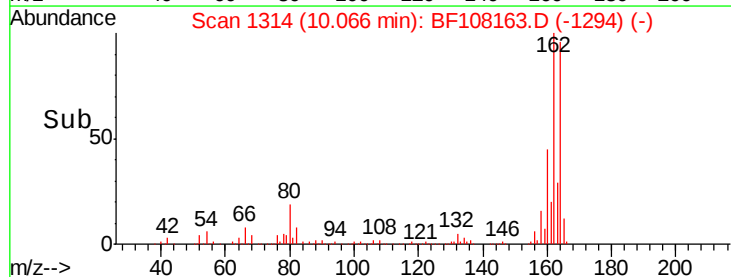
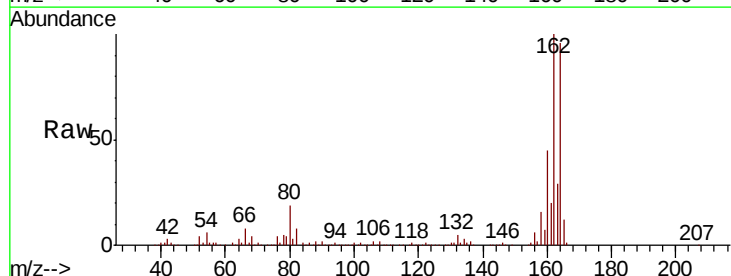
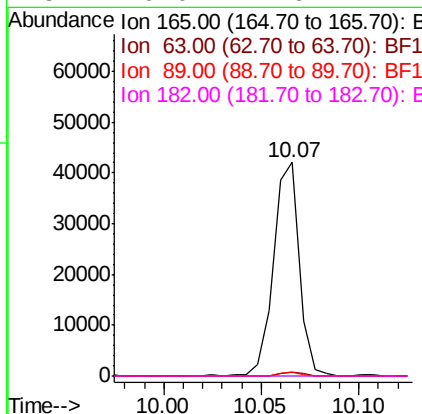
Instrument :
BNA_F
ClientSampled :

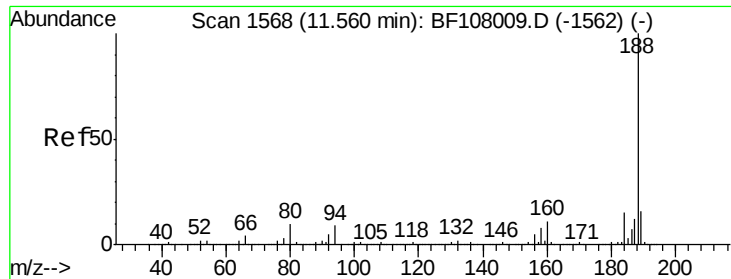
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	9.7	8.2	12.2



#56
2,4-Dinitrotoluene
Concen: 6.748 ng
RT: 10.07 min Scan# 1314
Delta R.T. -0.18 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

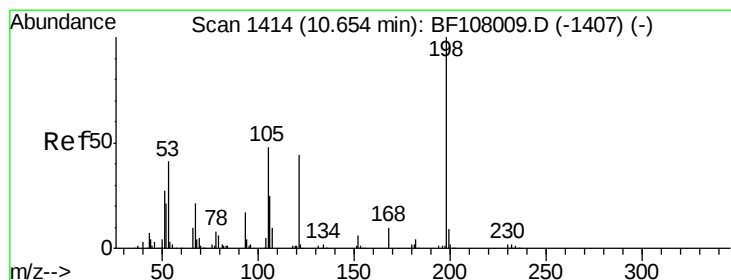
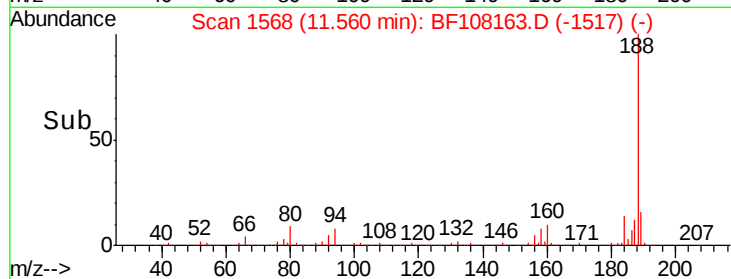
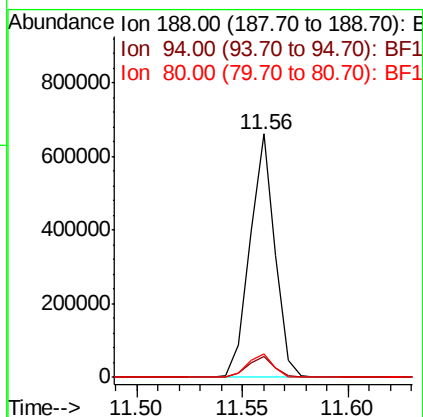
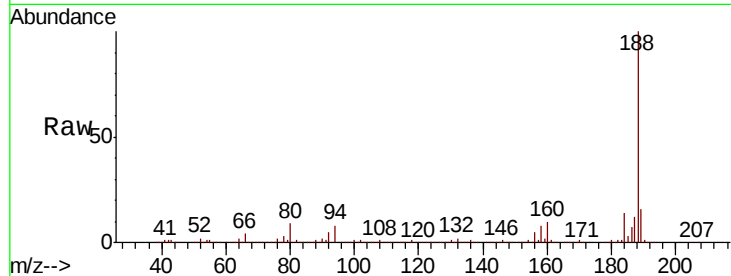




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

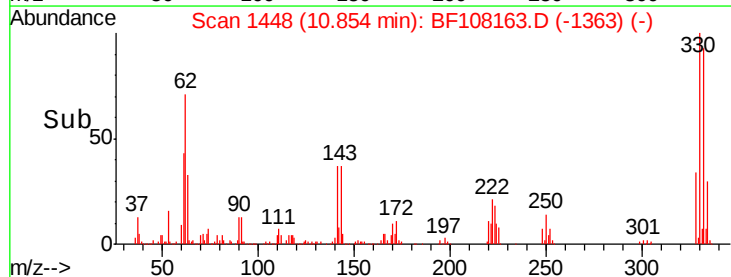
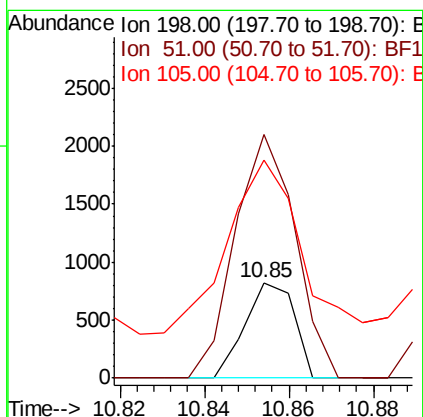
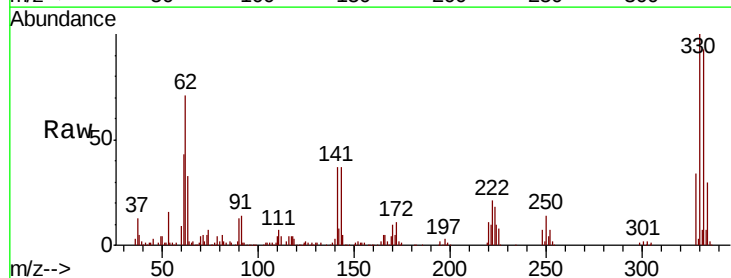
Instrument :
BNA_F
ClientSampleId :

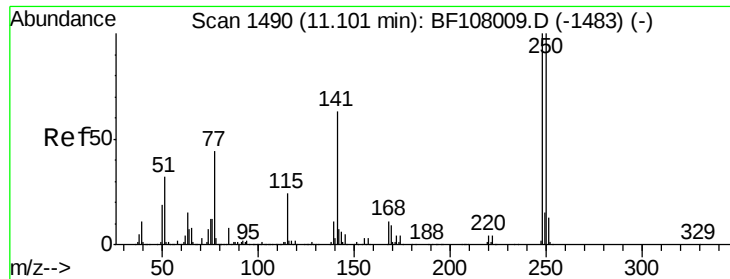
Tot Ion:188 Resp: 542036
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7#
80 9.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.650 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108163.D
Acq: 15 Aug 2018 14:04

Tgt Ion:198 Resp: 668
Ion Ratio Lower Upper
198 100
51 254.5 37.7 77.7#
105 227.3 36.3 76.3#

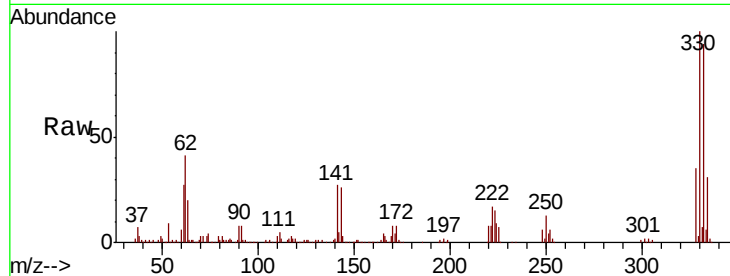




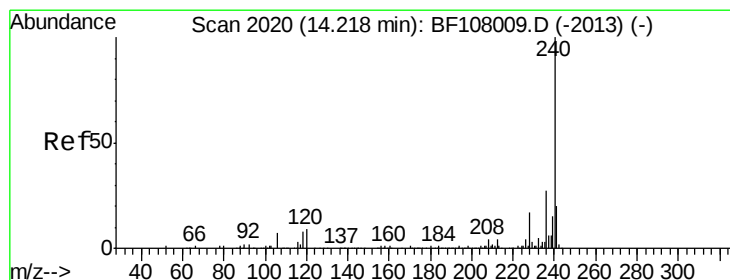
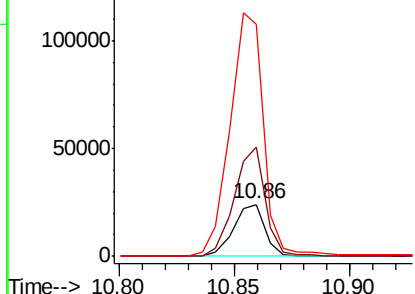
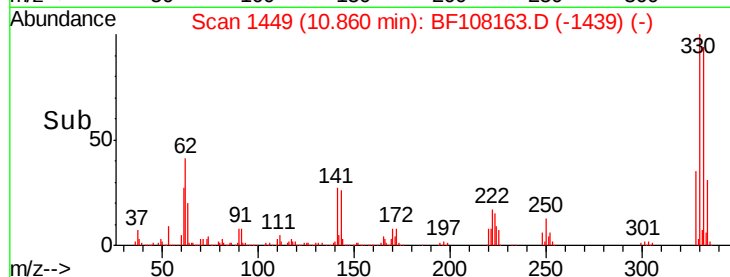
#66
 4-Bromophenyl-phenylether
 Concen: 3.913 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108163.D
 Acq: 15 Aug 2018 14:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 23052
 Ion Ratio Lower Upper
 248 100
 250 209.5 76.9 115.3#
 141 444.9 74.4 111.6#

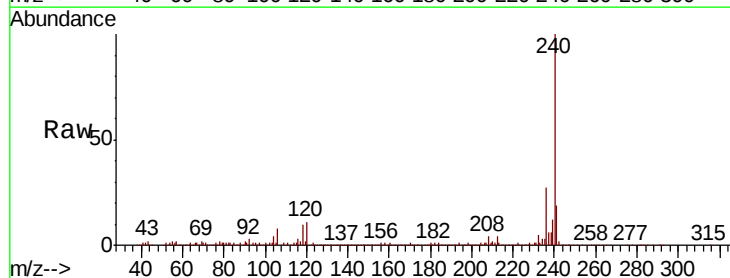


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

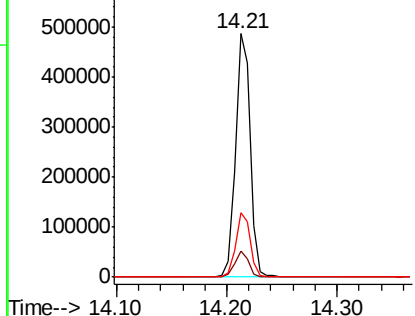
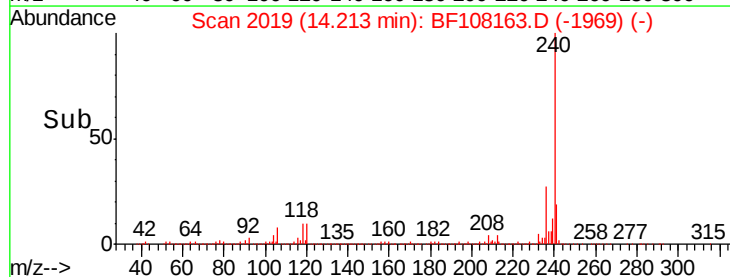


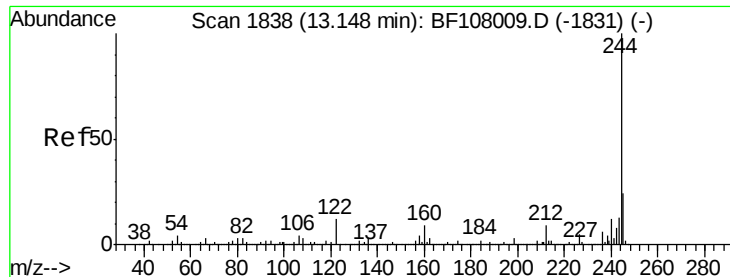
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108163.D
 Acq: 15 Aug 2018 14:04

Tgt Ion:240 Resp: 453973
 Ion Ratio Lower Upper
 240 100
 120 10.6 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: 70.222 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

Instrument :

BNA_F

ClientSampleId :

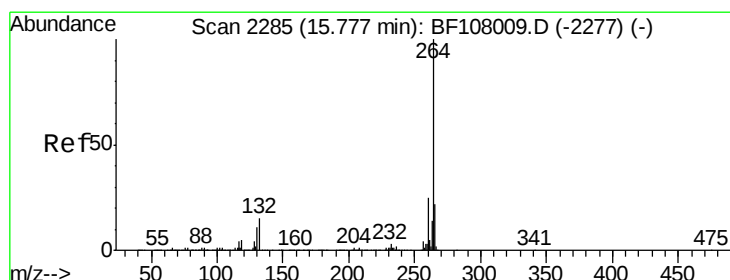
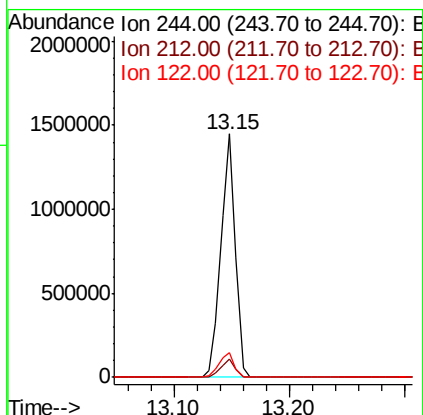
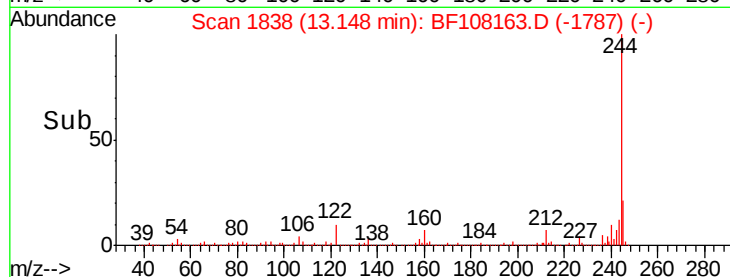
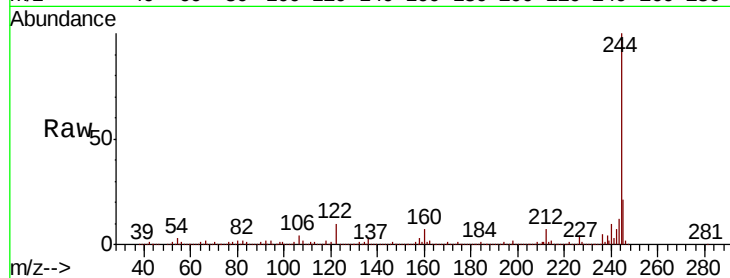
Tot Ion:244 Resp: 1253813

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

122 10.1 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108163.D

Acq: 15 Aug 2018 14:04

Tgt Ion:264 Resp: 485829

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.6 17.5 26.3

