

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108320.D
 Acq On : 21 Aug 2018 5:54
 Operator : JU/SJ
 Sample : J4500-20RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Aug 21 06:49:08 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

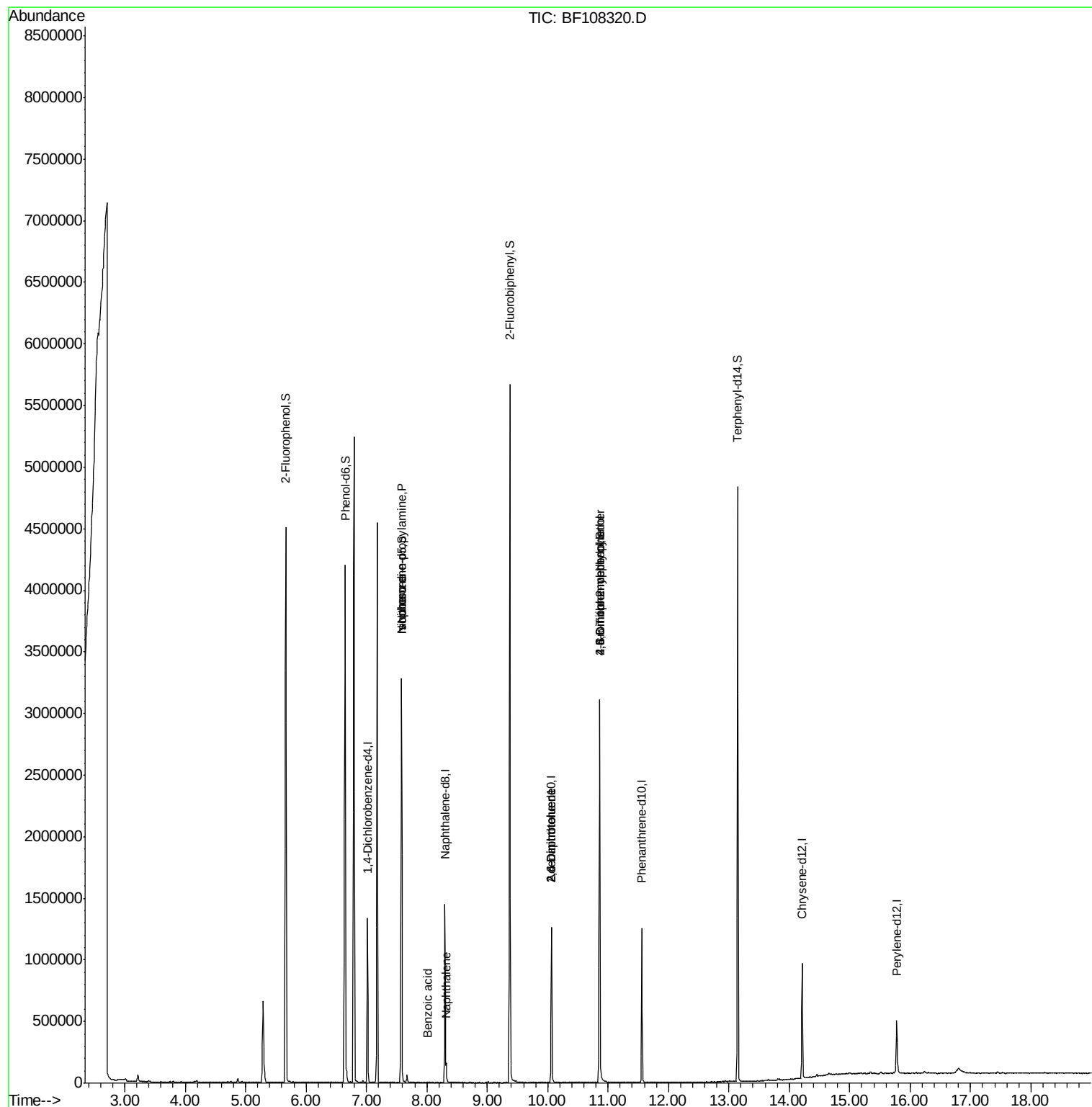
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	178145	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	607948	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	261759	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	442404	20.00	ng	0.00
75) Chrysene-d12	14.21	240	312605	20.00	ng	0.00
86) Perylene-d12	15.78	264	233857	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1268657	128.93	ng	0.04
7) Phenol-d6	6.65	99	1450250	110.91	ng	0.02
23) Nitrobenzene-d5	7.58	82	1165451	106.97	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	398090	152.47	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1907402	116.99	ng	0.00
78) Terphenyl-d14	13.15	244	1719442	139.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	158331	17.906	ng	# 83
25) Isophorone	7.58	82	1165441	56.123	ng	# 64
31) Naphthalene	8.32	128	61196	2.213	ng	# 99
32) Benzoic acid	8.01	122	458	6.049	ng	# 36
50) 2,6-Dinitrotoluene	10.06	165	33077	8.671	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	33077	6.736	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	797	5.785	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	25751	5.356	ng	# 1

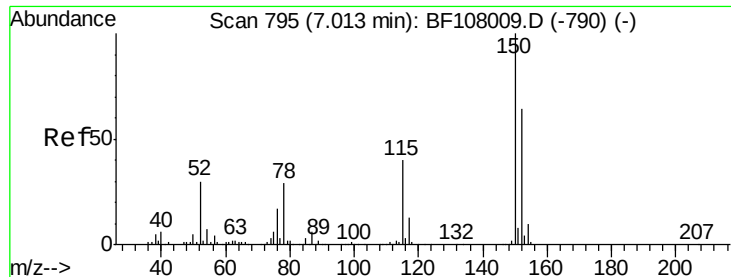
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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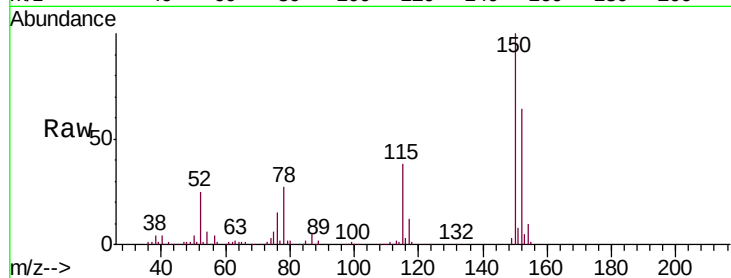


#1

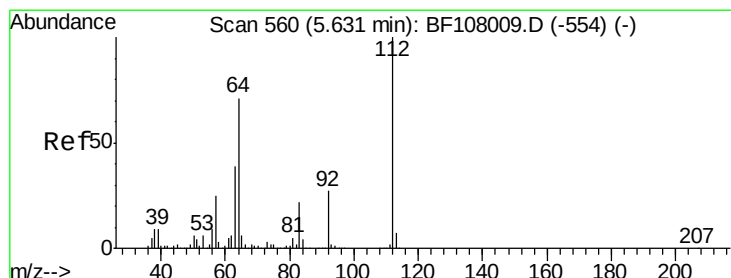
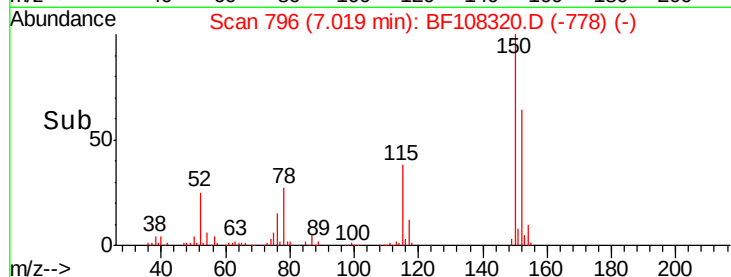
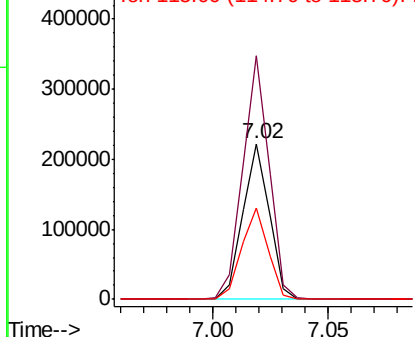
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108320.D
Acq: 21 Aug 2018 5:54

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:152 Resp: 178145
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 58.9 50.1 75.1



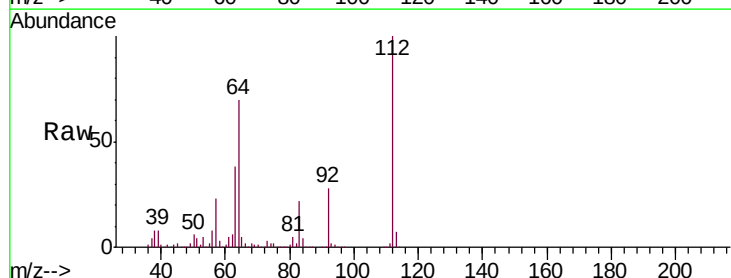
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



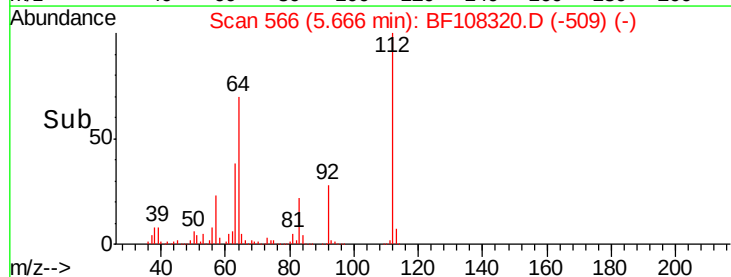
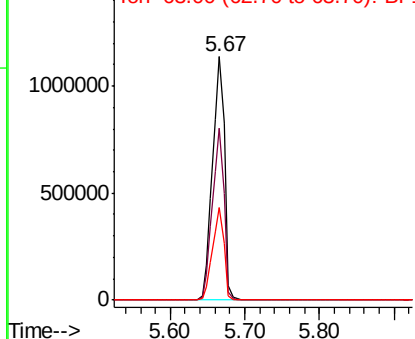
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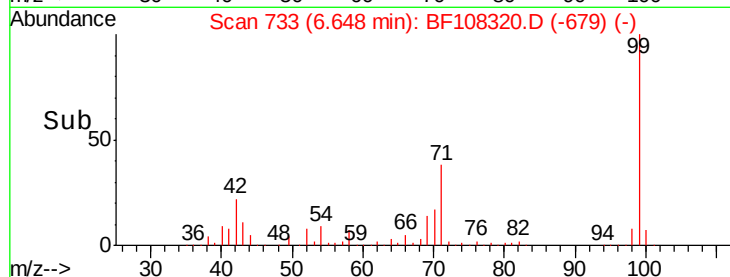
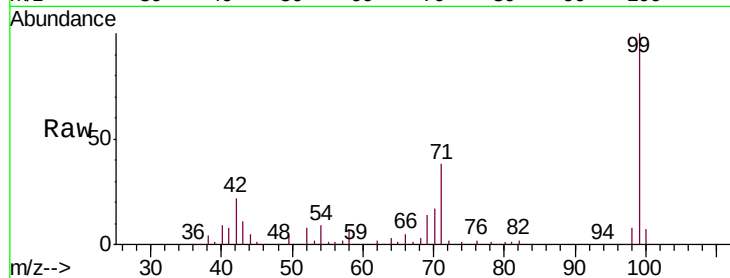
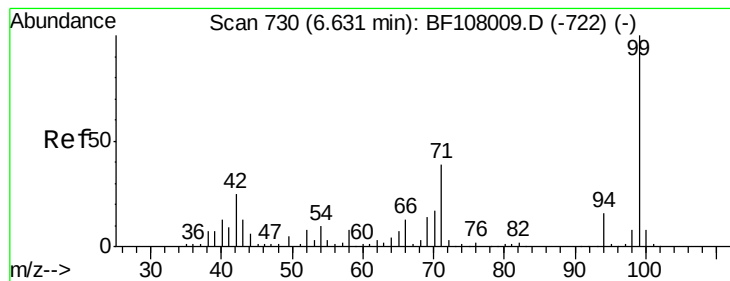
2-Fluorophenol
Concen: 128.931 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.04 min
Lab File: BF108320.D
Acq: 21 Aug 2018 5:54

Tgt Ion:112 Resp: 1268657
Ion Ratio Lower Upper
112 100
64 70.4 47.9 71.9
63 37.9 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: 110.911 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

Instrument :

BNA_F

ClientSampleId :

TP-12

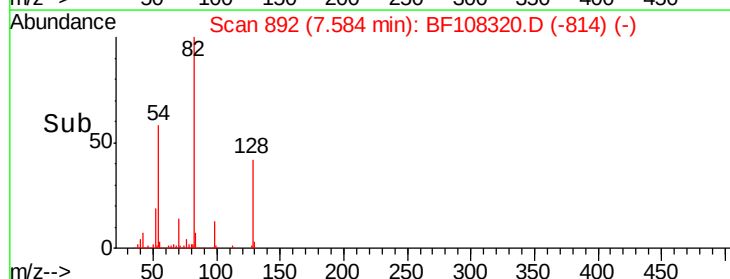
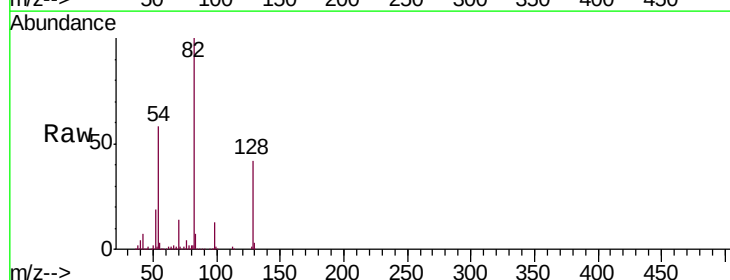
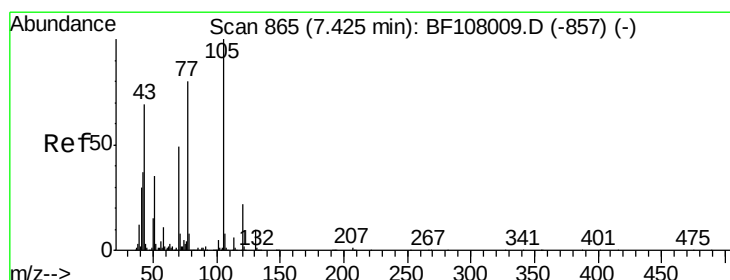
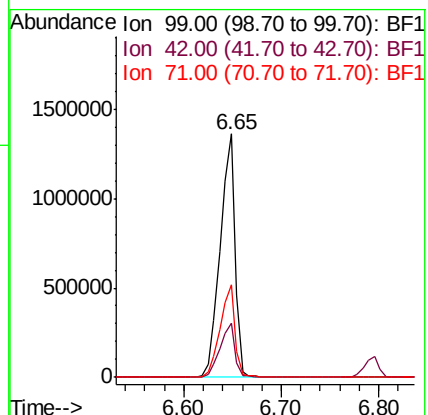
Tgt Ion: 99 Resp: 1450250

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

71 38.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.906 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

Tgt Ion: 70 Resp: 158331

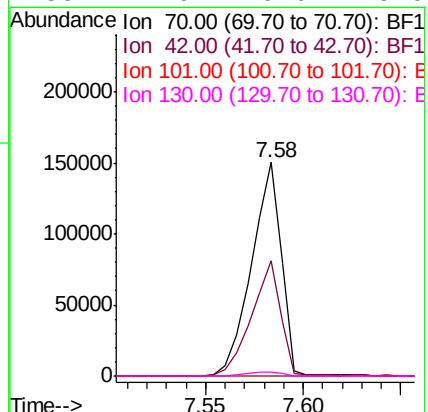
Ion Ratio Lower Upper

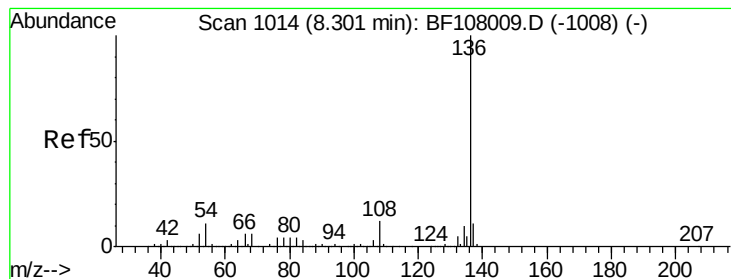
70 100

42 54.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

Instrument :

BNA_F

ClientSampleId :

TP-12

Tgt Ion:136 Resp: 607948

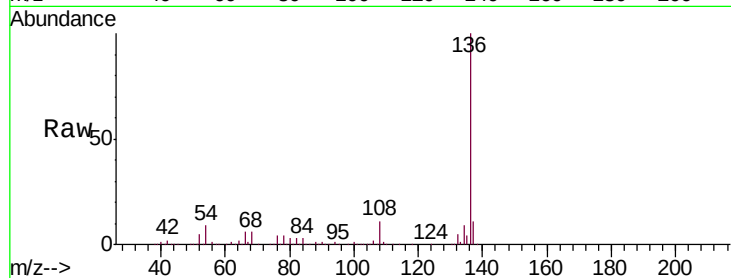
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.4 6.6 9.8

68 6.2 5.0 7.4

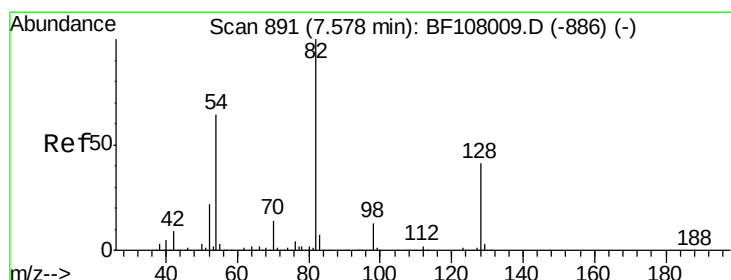
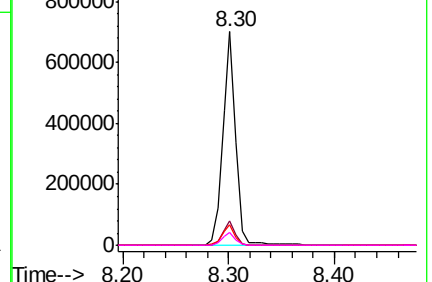
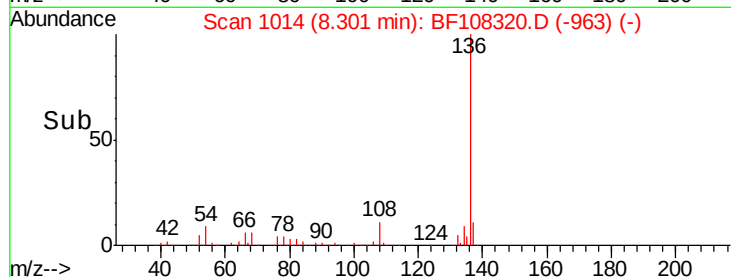


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.973 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

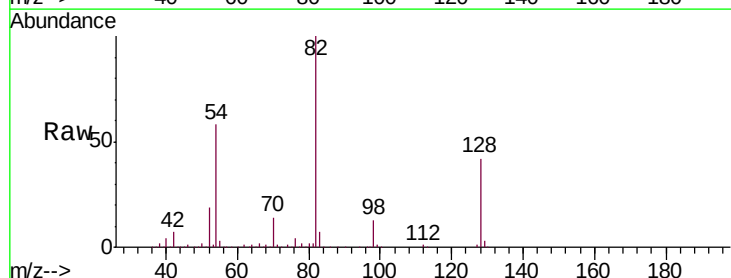
Tgt Ion: 82 Resp: 1165451

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

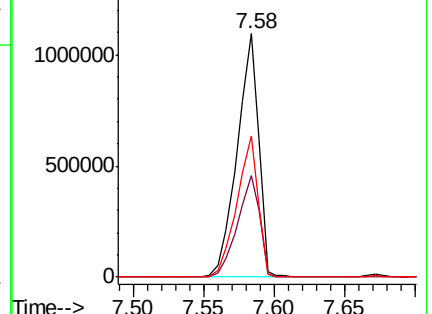
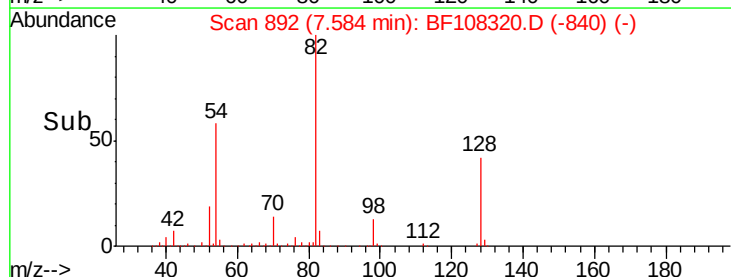
54 58.0 41.4 62.2

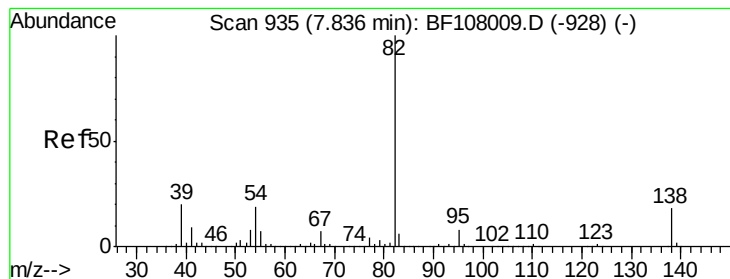


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.123 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

Instrument :

BNA_F

ClientSampled :

TP-12

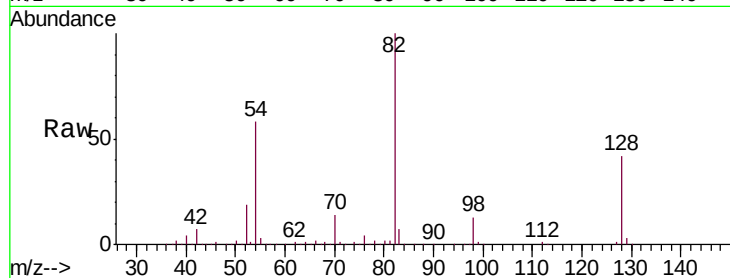
Tgt Ion: 82 Resp: 1165441

Ion Ratio Lower Upper

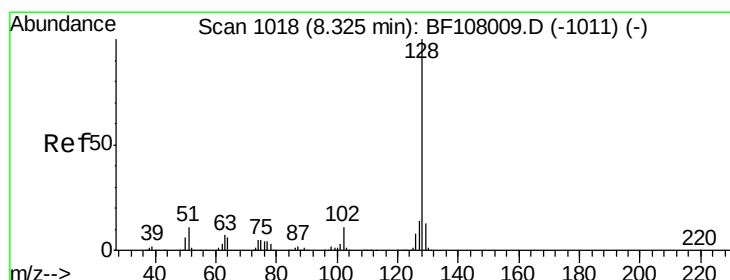
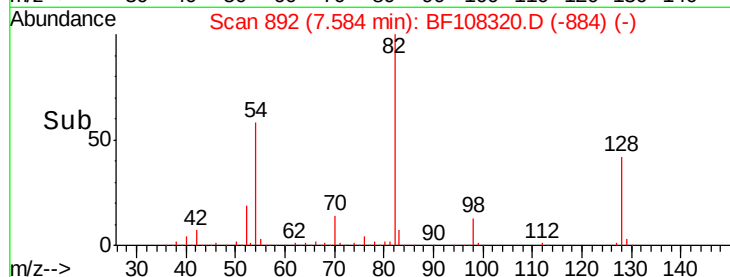
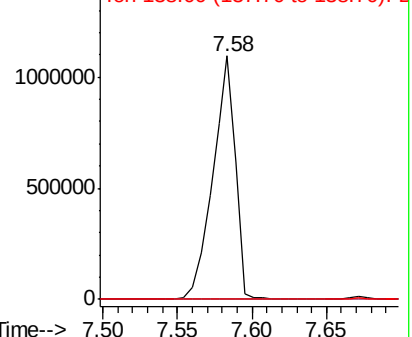
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.213 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108320.D

Acq: 21 Aug 2018 5:54

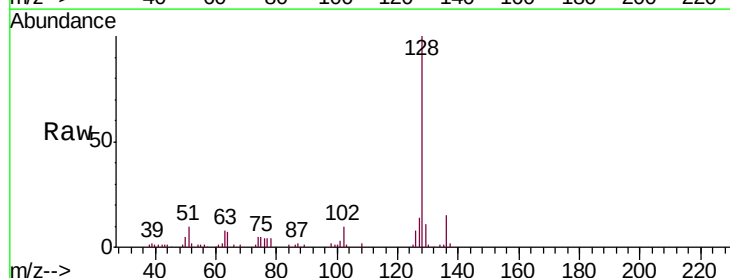
Tgt Ion: 128 Resp: 61196

Ion Ratio Lower Upper

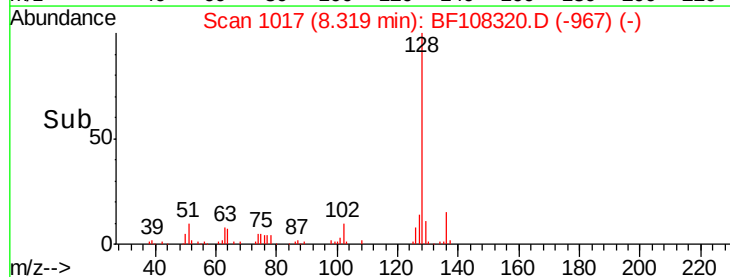
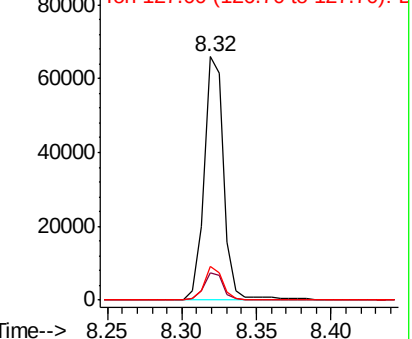
128 100

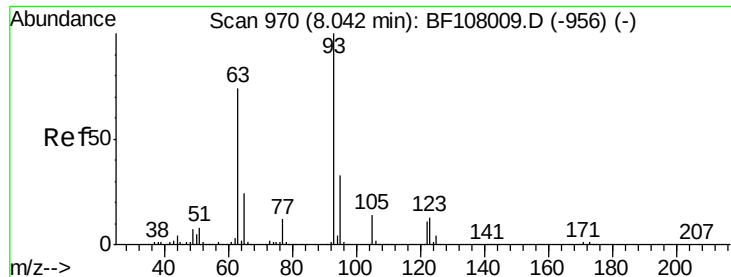
129 11.0 8.8 13.2

127 14.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
80000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

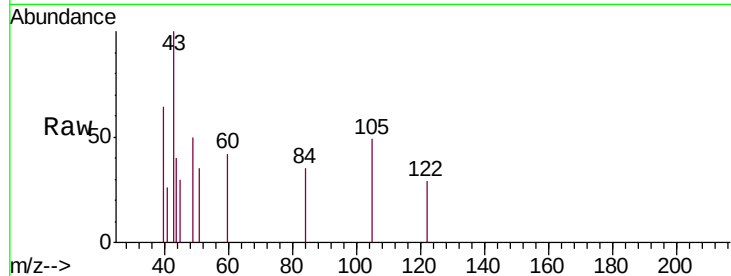




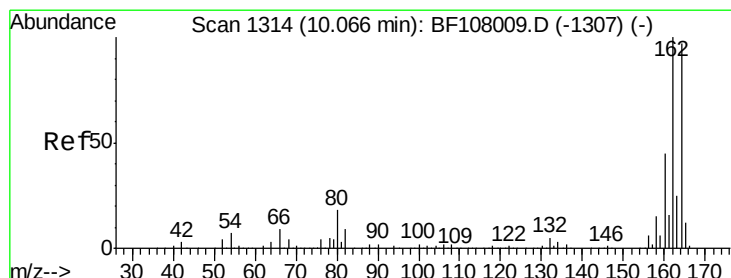
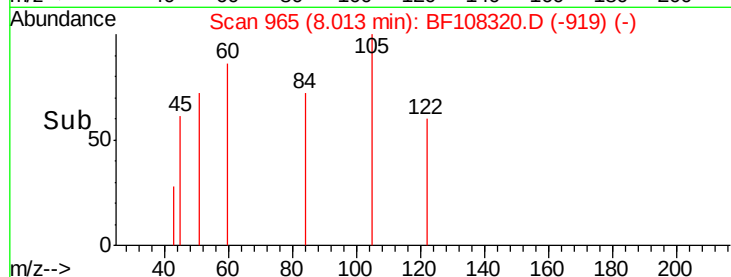
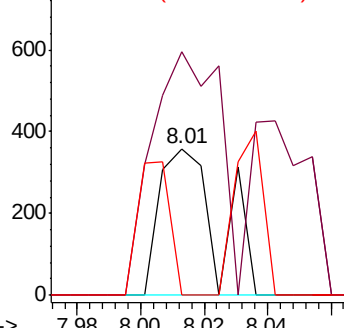
#32
Benzoic acid
Concen: 6.049 ng
RT: 8.01 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF108320.D
Acq: 21 Aug 2018 5:54

Instrument :
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ClientSampleId :
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Tgt Ion:122 Resp: 458
Ion Ratio Lower Upper
122 100
105 166.2 101.1 141.1#
77 0.0 70.7 110.7#

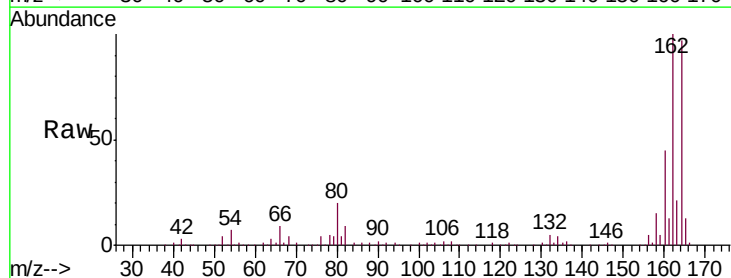


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

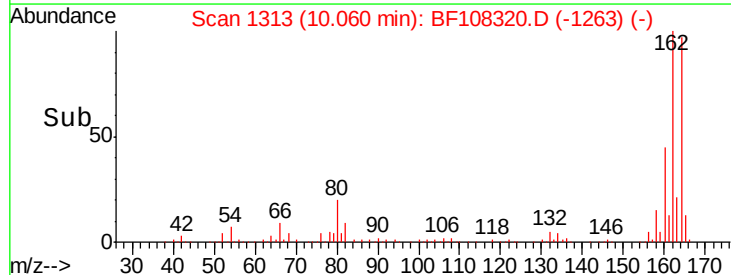
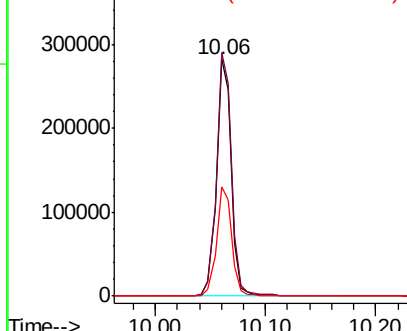


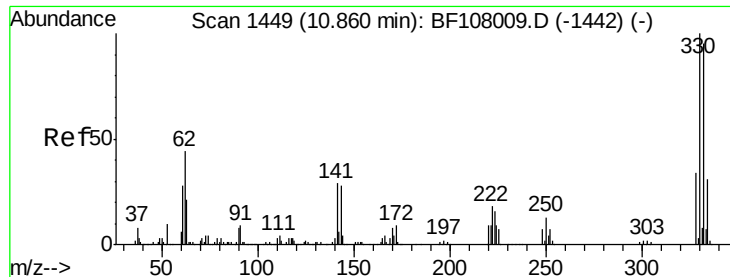
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108320.D
Acq: 21 Aug 2018 5:54

Tgt Ion:164 Resp: 261759
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 46.1 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

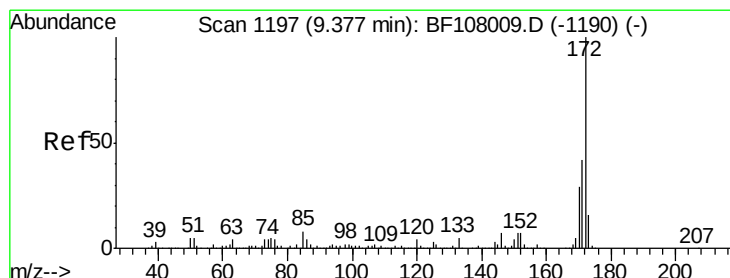
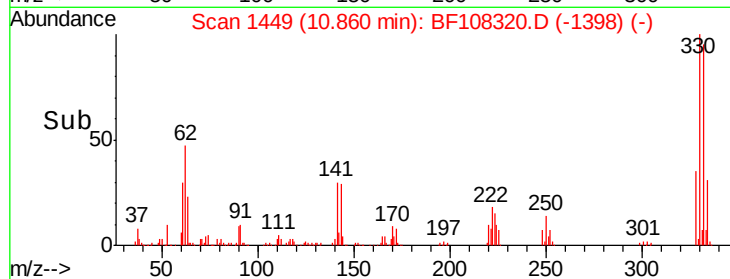
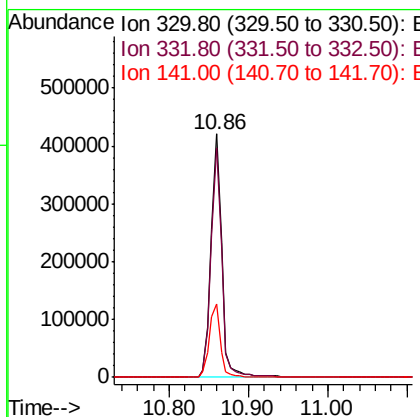
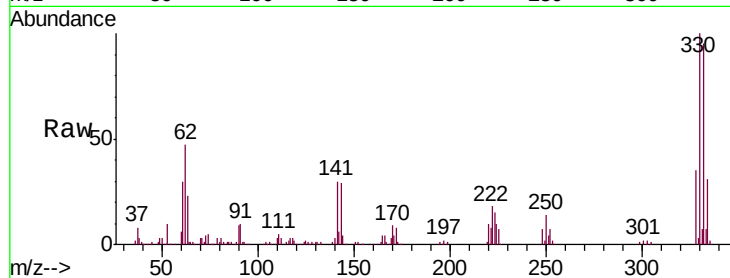




#41
 2,4,6-Tribromophenol
 Concen: 152.468 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

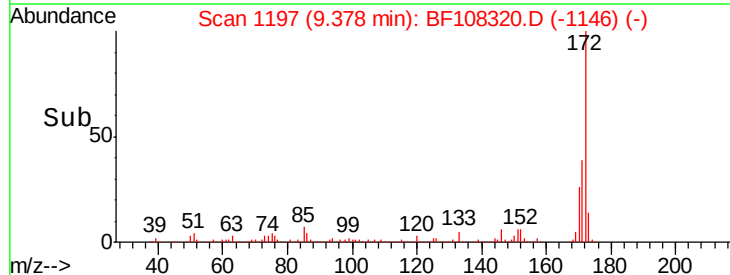
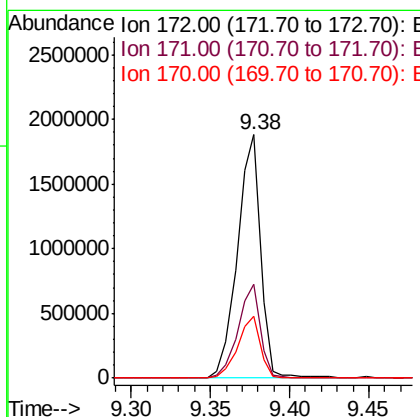
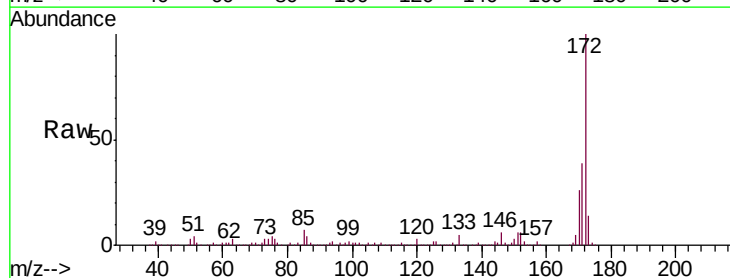
Instrument :
 BNA_F
 ClientSampled :
 TP-12

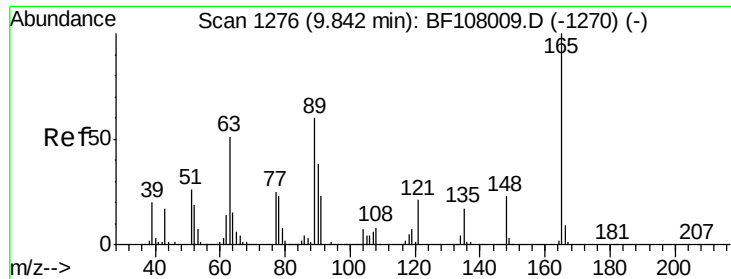
Tgt Ion:330 Resp: 398090
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 31.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 116.988 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

Tgt Ion:172 Resp: 1907402
 Ion Ratio Lower Upper
 172 100
 171 38.6 29.7 44.5
 170 25.6 19.6 29.4

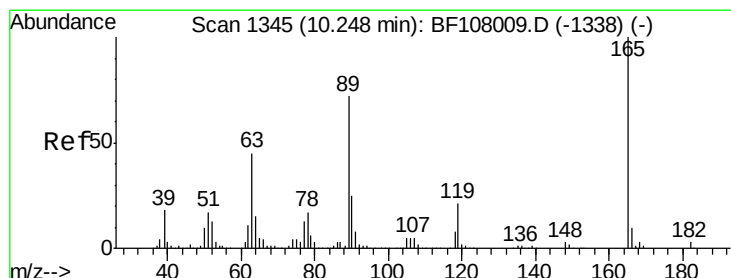
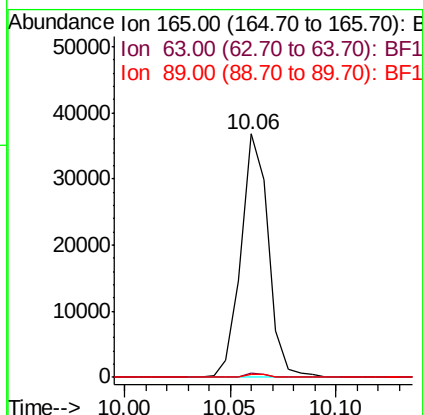
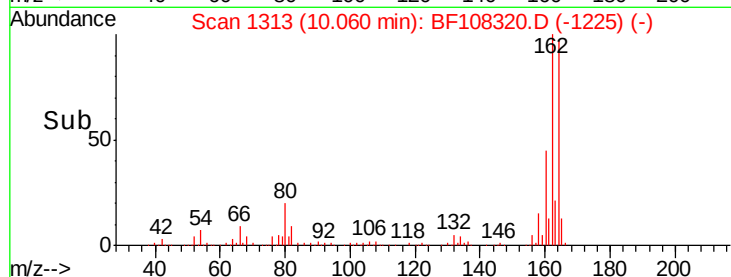
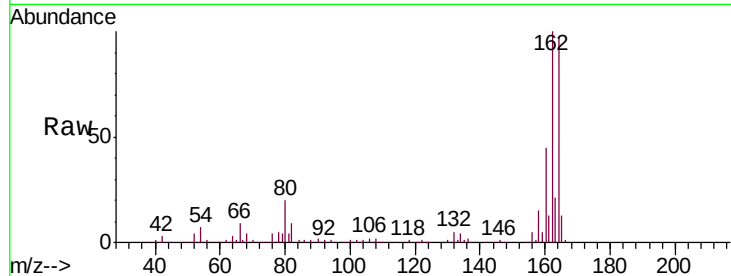




#50
 2,6-Dinitrotoluene
 Concen: 8.671 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

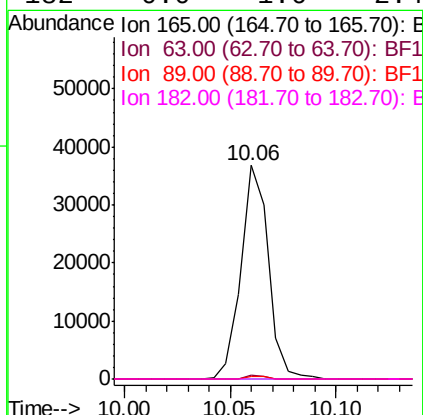
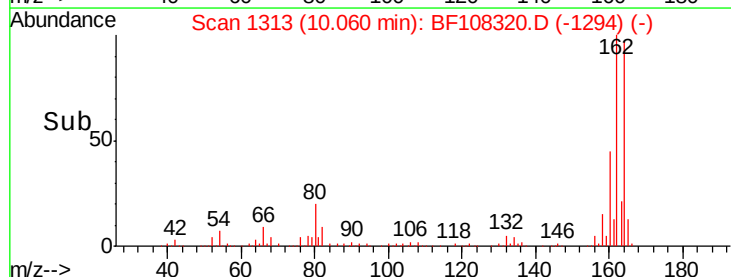
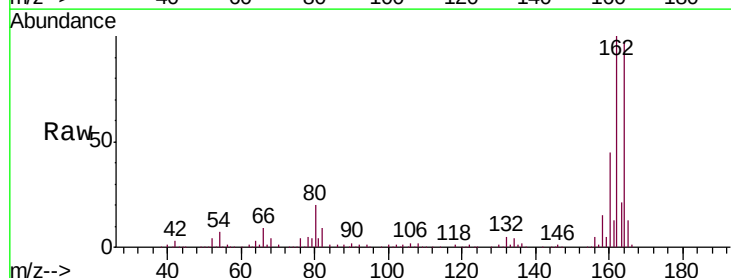
Instrument :
 BNA_F
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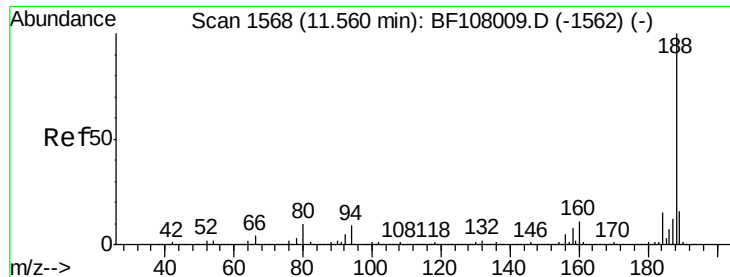
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.736 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

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

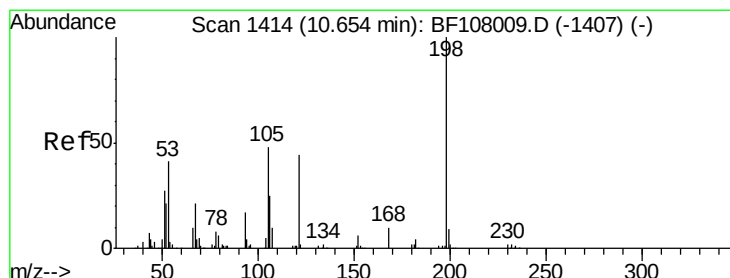
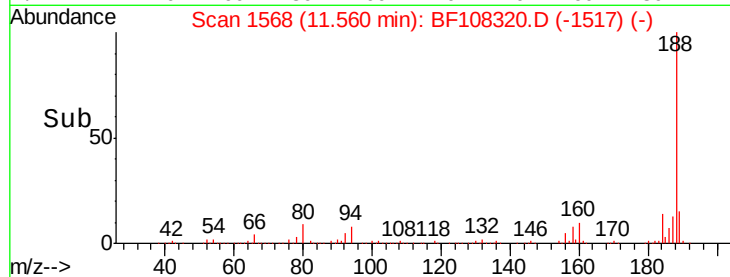
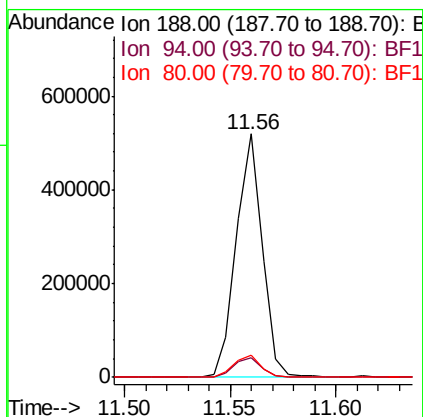
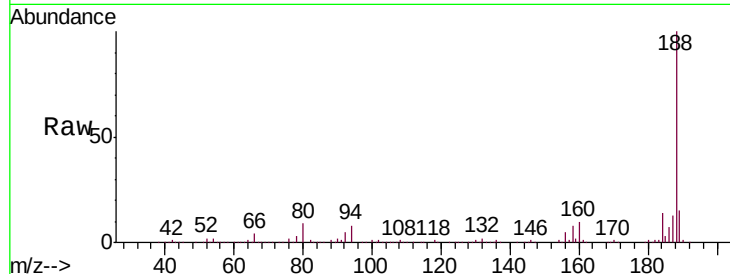




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

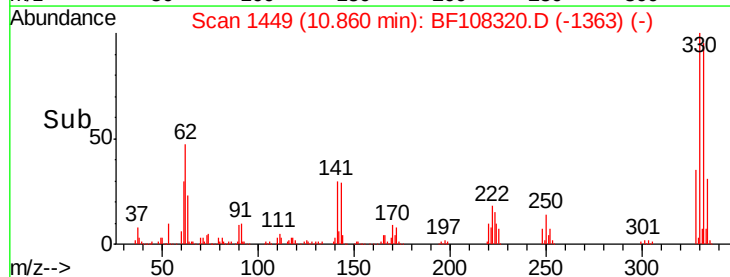
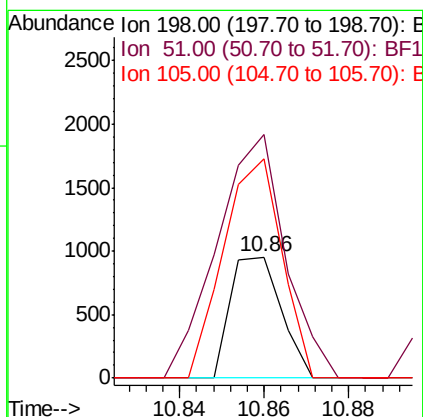
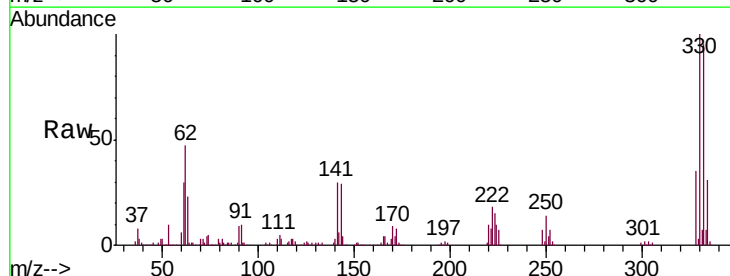
Instrument :
 BNA_F
 ClientSampleId :
 TP-12

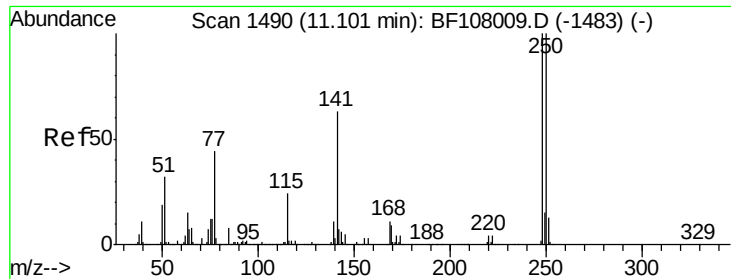
Tgt Ion:188 Resp: 442404
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.0 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.785 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

Tgt Ion:198 Resp: 797
 Ion Ratio Lower Upper
 198 100
 51 201.5 37.7 77.7#
 105 181.4 36.3 76.3#

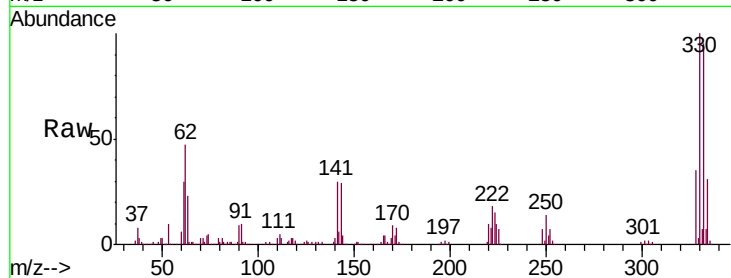




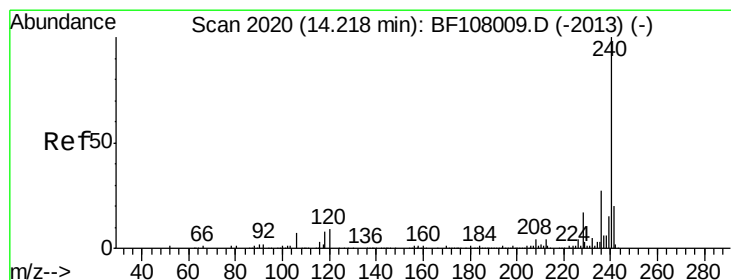
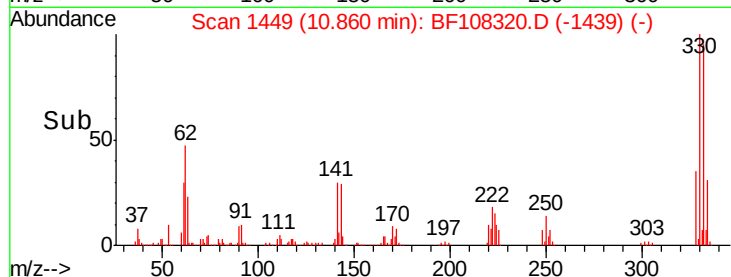
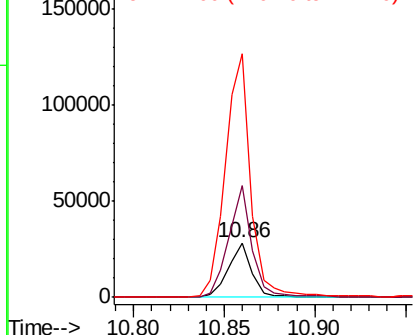
#66
 4-Bromophenyl-phenylether
 Concen: 5.356 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tgt Ion:248 Resp: 25751
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.9 115.3#
 141 449.3 74.4 111.6#

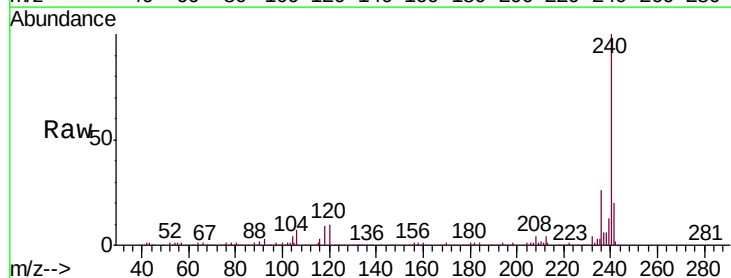


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

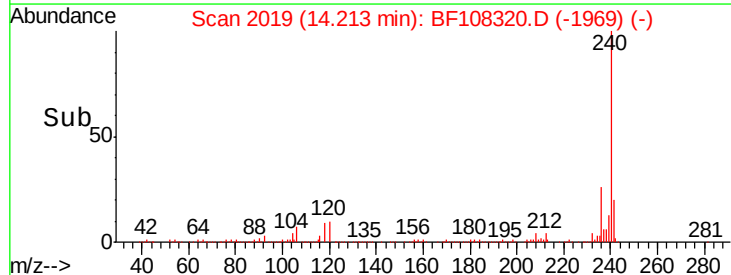
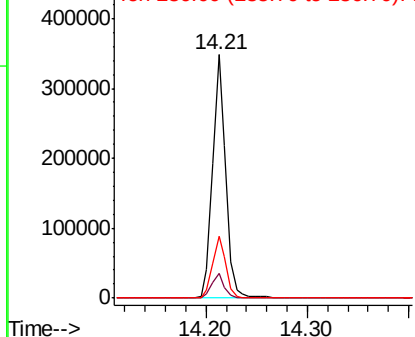


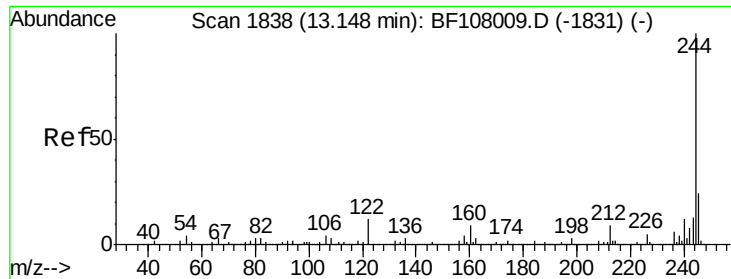
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

Tgt Ion:240 Resp: 312605
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.5 14.3
 236 25.5 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



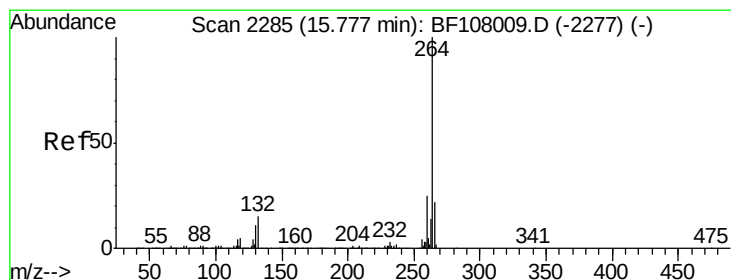
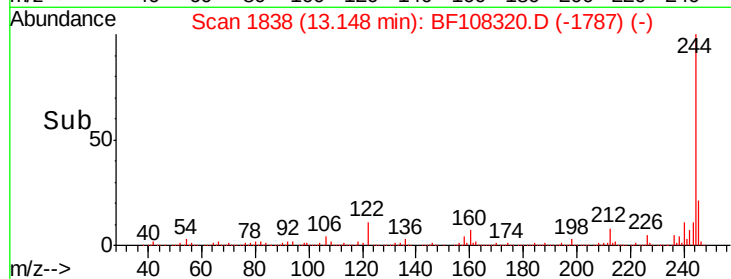
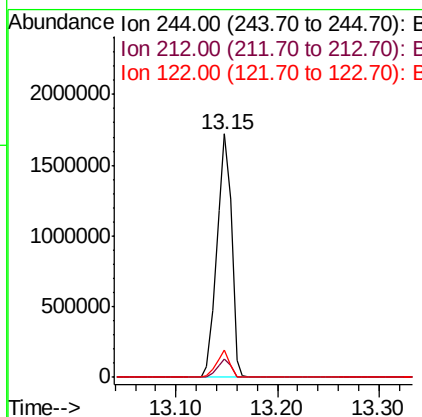
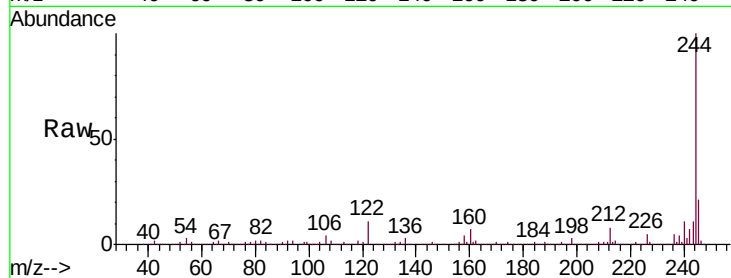


#78
 Terphenyl-d14
 Concen: 139.851 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF108320.D
 Acq: 21 Aug 2018 5:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tgt Ion: 244 Resp: 1719442

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	11.0	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: BF108320.D
 Acq: 21 Aug 2018 5:54

Tgt Ion: 264 Resp: 233857

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.9	17.5	26.3

