

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108319.D
 Acq On : 21 Aug 2018 5:26
 Operator : JU/SJ
 Sample : J4500-16RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Aug 21 06:48:57 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

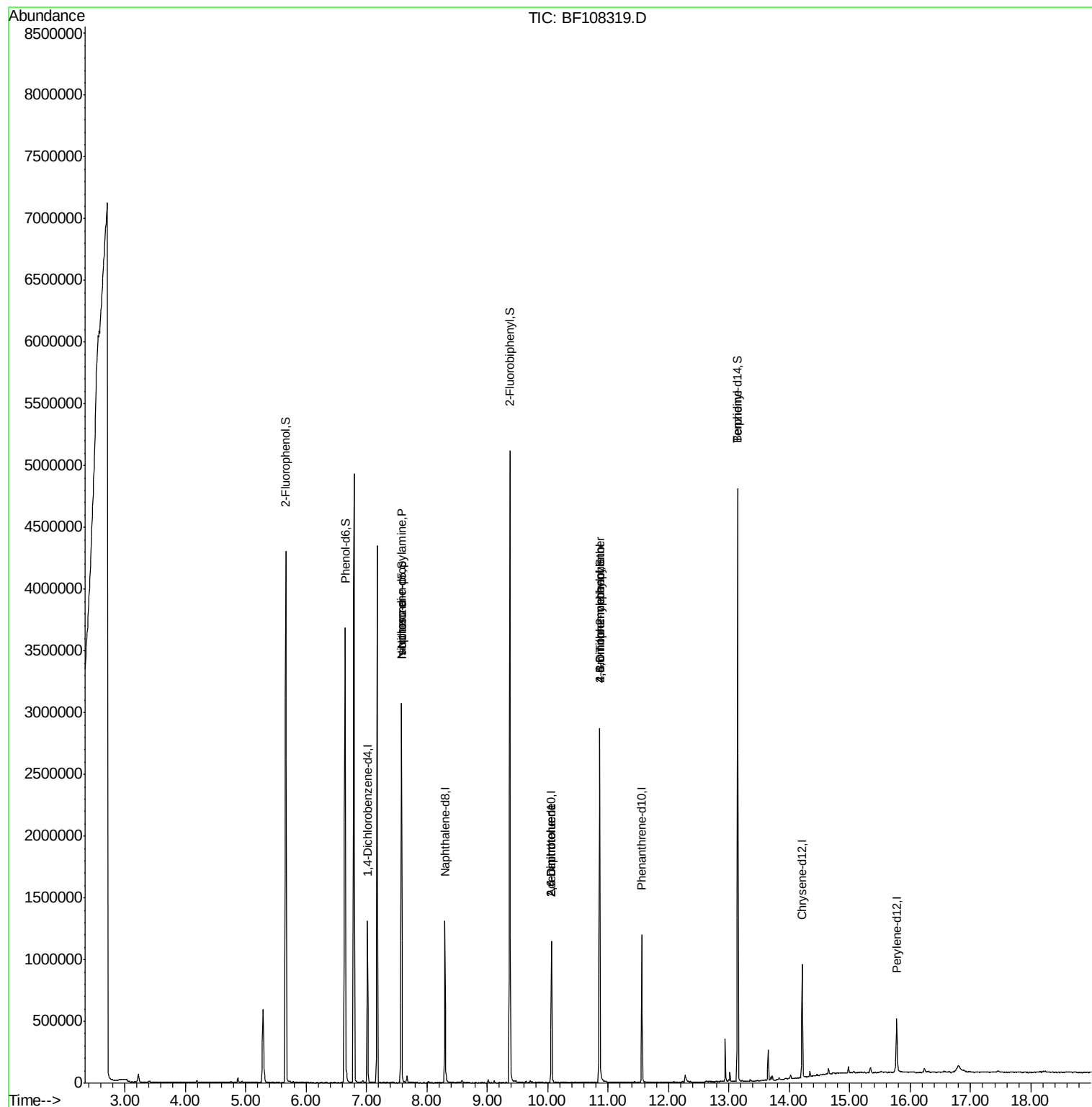
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	170023	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	568991	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	237105	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	420142	20.00	ng	0.00
75) Chrysene-d12	14.21	240	301550	20.00	ng	0.00
86) Perylene-d12	15.78	264	229759	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1167406	124.31	ng	0.04
7) Phenol-d6	6.65	99	1324735	106.15	ng	0.02
23) Nitrobenzene-d5	7.58	82	1064609	104.41	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	363341	153.63	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1744306	118.11	ng	0.00
78) Terphenyl-d14	13.15	244	1658397	139.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	146385	17.346	ng	# 82
25) Isophorone	7.58	82	1064598	54.776	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	30229	8.748	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	30229	6.796	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.86	198	818	5.819	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	24513	5.369	ng	# 1
76) Benizidine	13.15	184	22943	2.036	ng	# 95

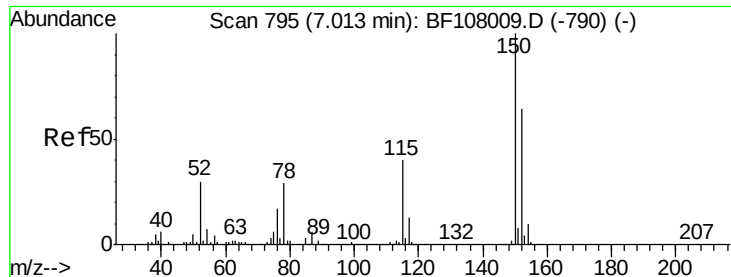
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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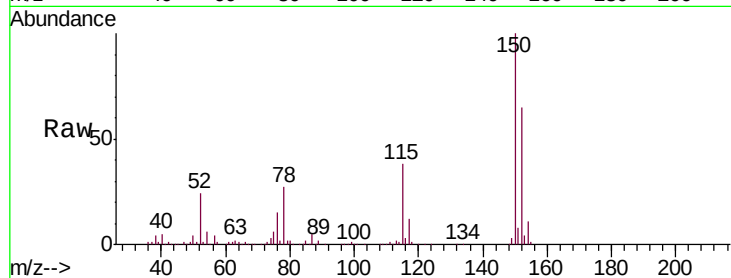


#1

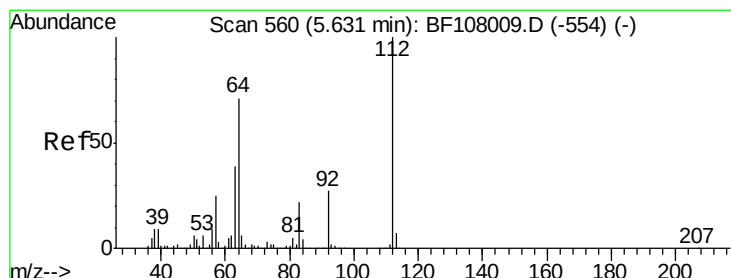
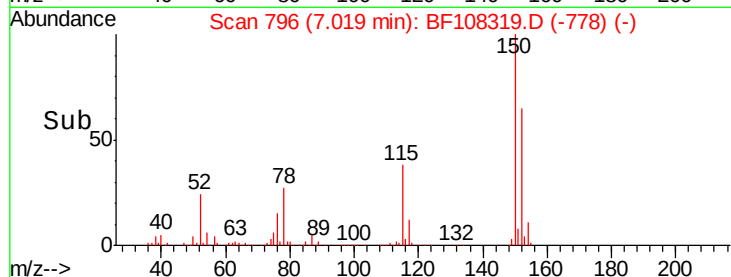
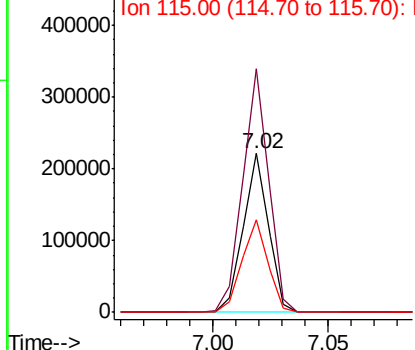
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Instrument :
BNA_F
ClientSampled :
TP-7

Tgt Ion:152 Resp: 170023
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 58.3 50.1 75.1



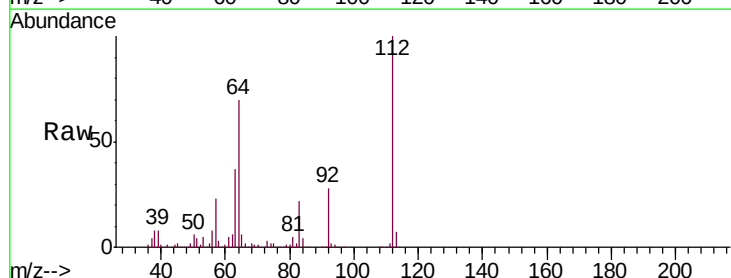
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



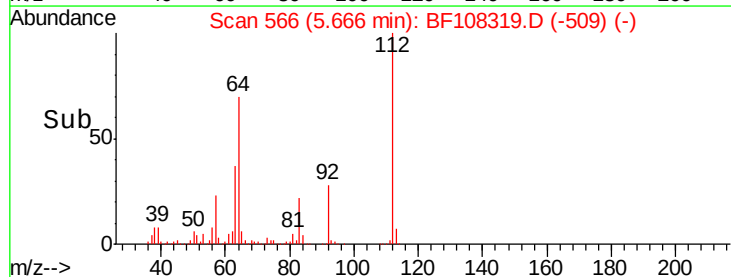
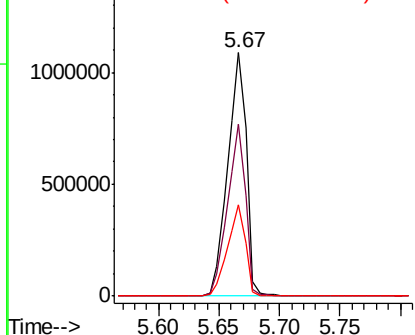
#5

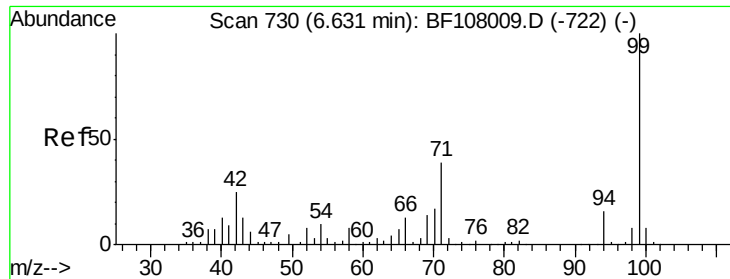
2-Fluorophenol
Concen: 124.309 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.04 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Tgt Ion:112 Resp: 1167406
Ion Ratio Lower Upper
112 100
64 70.4 47.9 71.9
63 37.4 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: 106.152 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108319.D

Acq: 21 Aug 2018 5:26

Instrument :

BNA_F

ClientSampleId :

TP-7

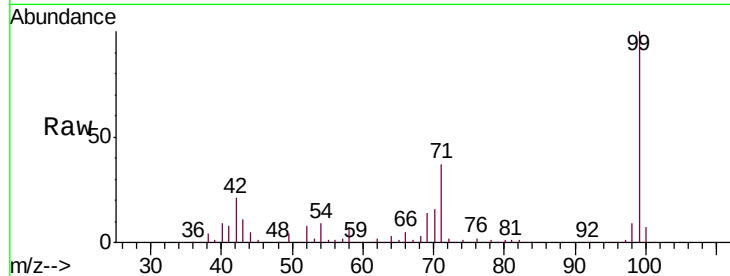
Tgt Ion: 99 Resp: 1324735

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

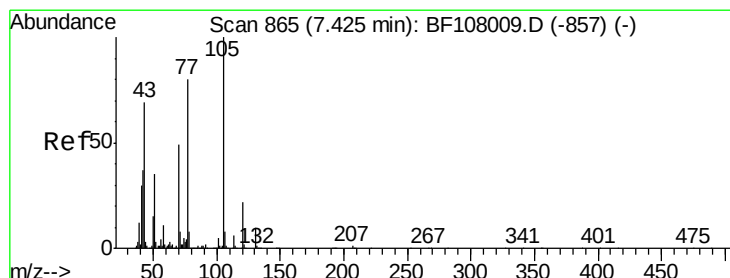
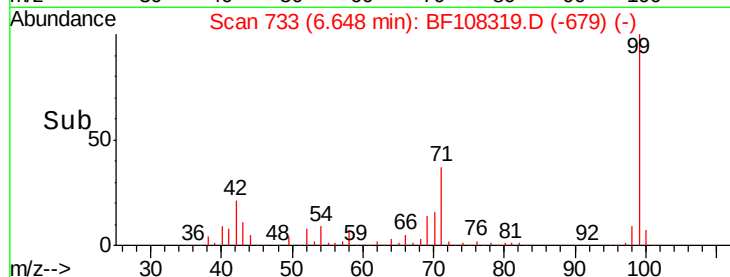
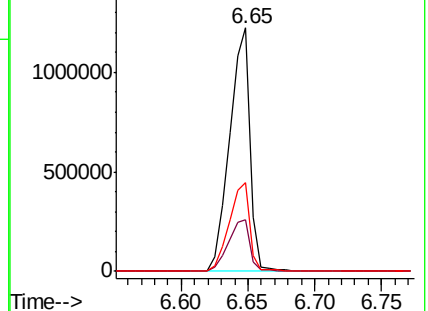
71 36.6 25.4 38.0



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: 17.346 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108319.D

Acq: 21 Aug 2018 5:26

Tgt Ion: 70 Resp: 146385

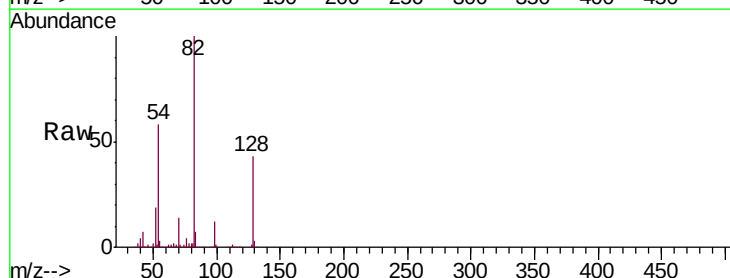
Ion Ratio Lower Upper

70 100

42 52.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

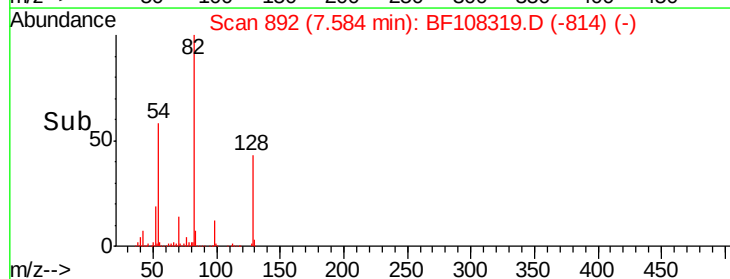
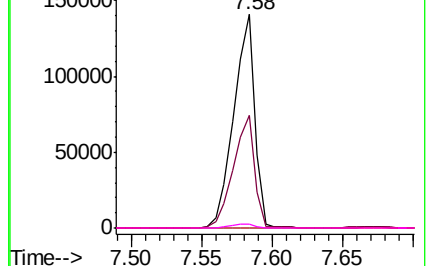


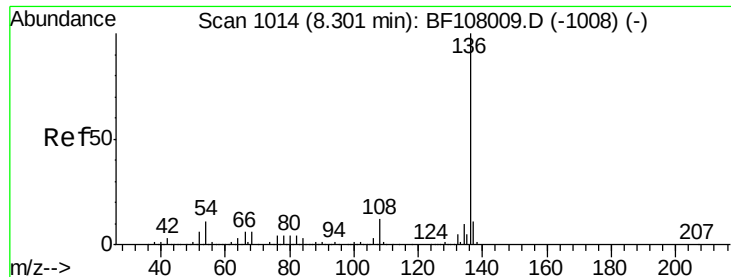
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

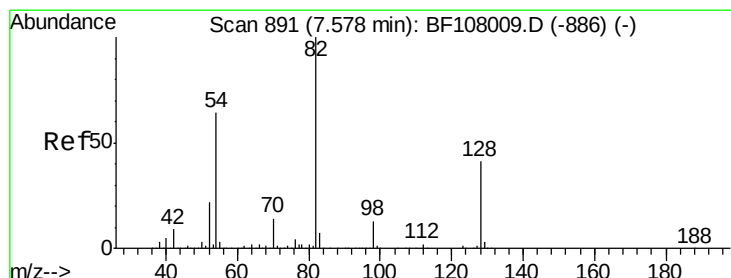
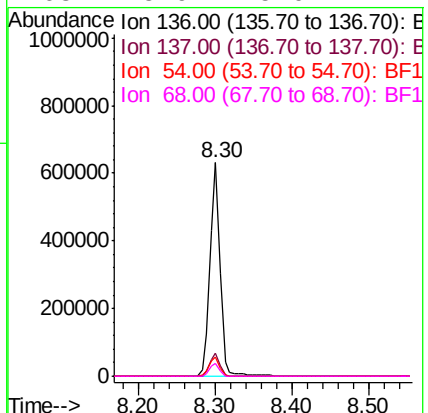
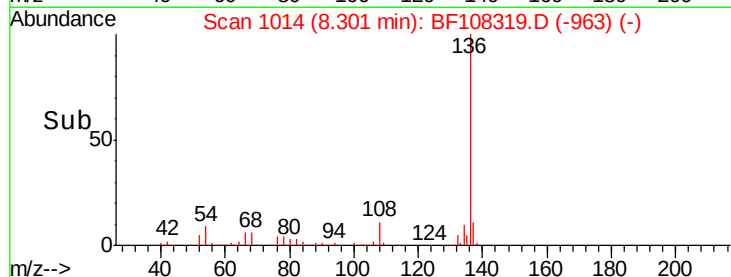
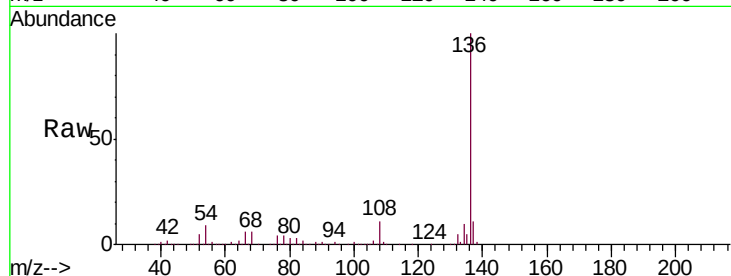




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

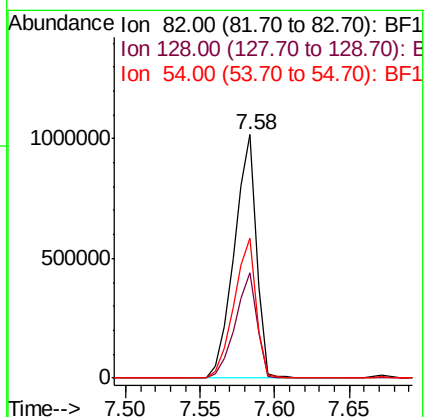
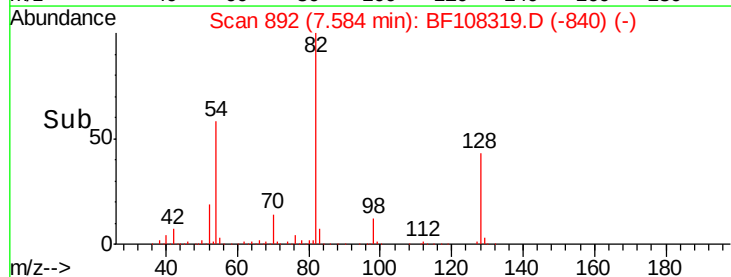
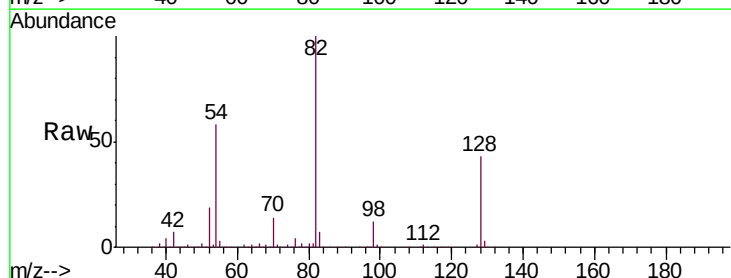
Instrument :
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TP-7

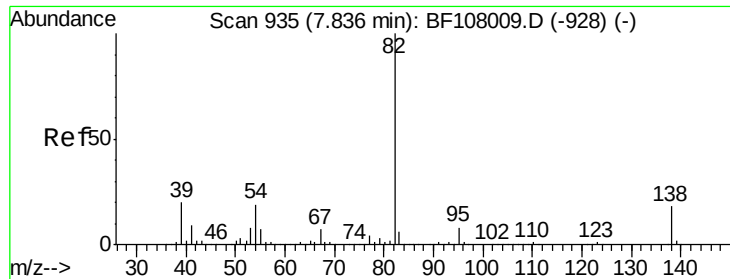
Tgt Ion:	136	Resp:	568991
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.3	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 104.407 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Tgt Ion:	82	Resp:	1064609
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	57.6	41.4	62.2





#25

Isophorone

Concen: 54.776 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108319.D

Acq: 21 Aug 2018 5:26

Instrument :

BNA_F

ClientSampled :

TP-7

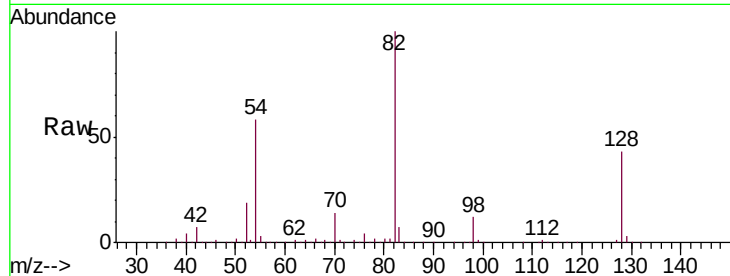
Tgt Ion: 82 Resp: 1064598

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

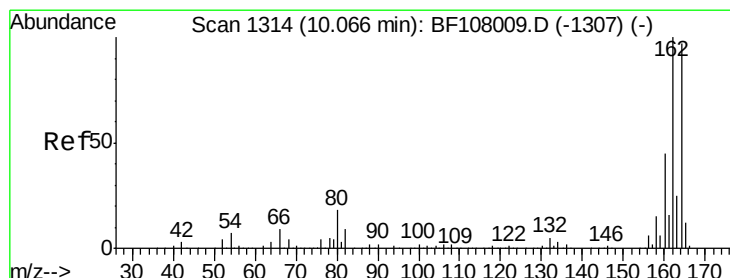
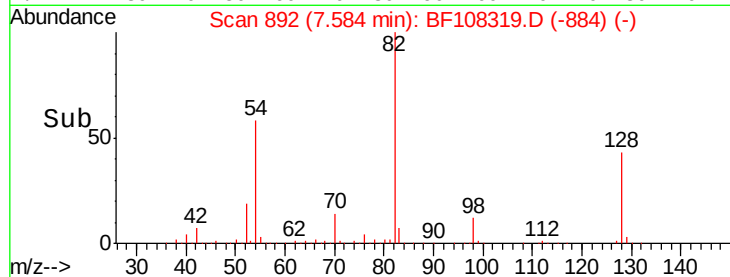
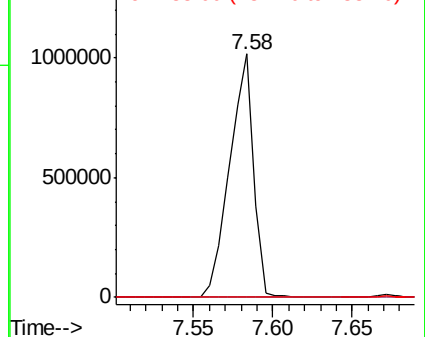
138 0.0 14.9 22.3#



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: BF108319.D

Acq: 21 Aug 2018 5:26

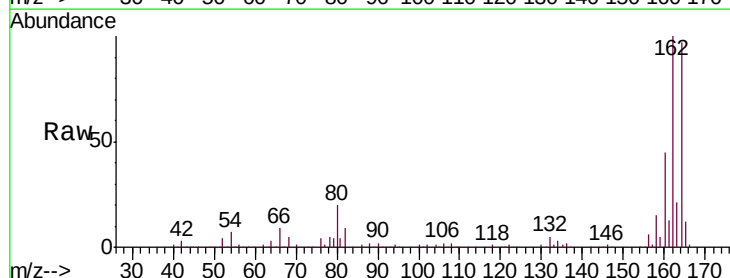
Tgt Ion: 164 Resp: 237105

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

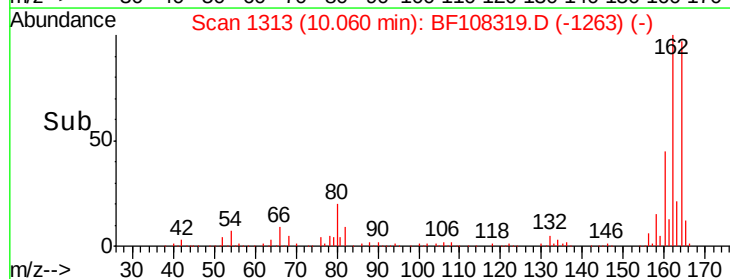
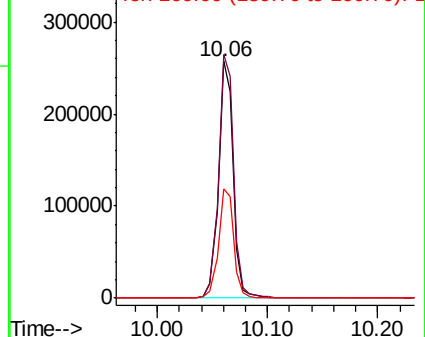
160 45.9 38.3 57.5

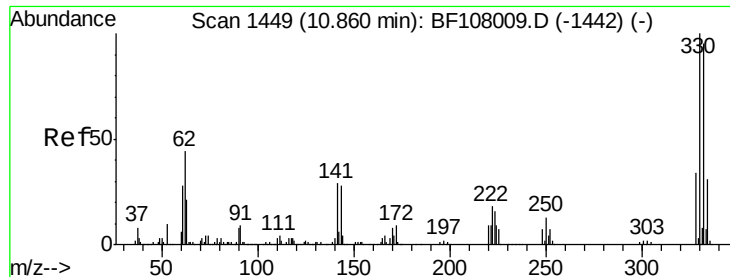


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

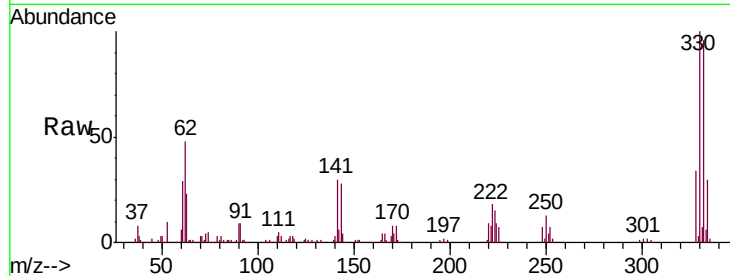




#41
 2,4,6-Tribromophenol
 Concen: 153.629 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	31.8	29.9	44.9

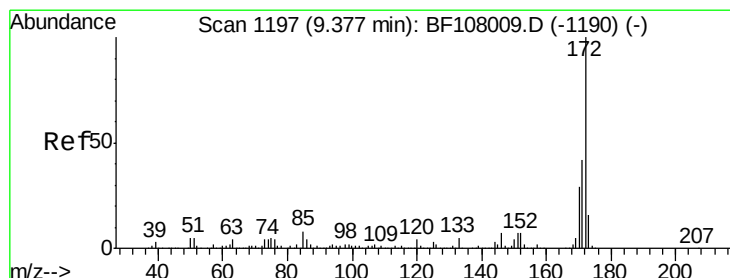
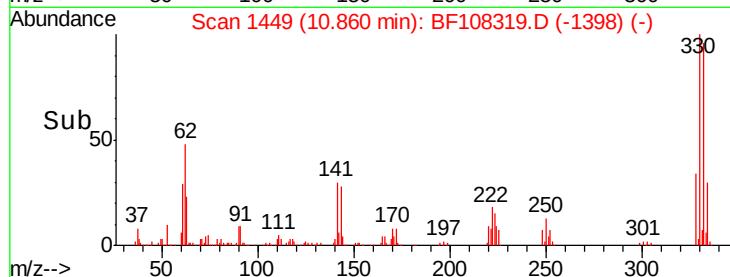
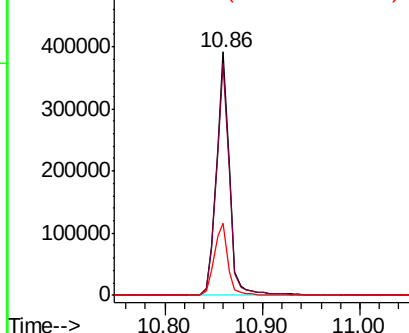


Abundance

Ion 329.80 (329.50 to 330.50): E

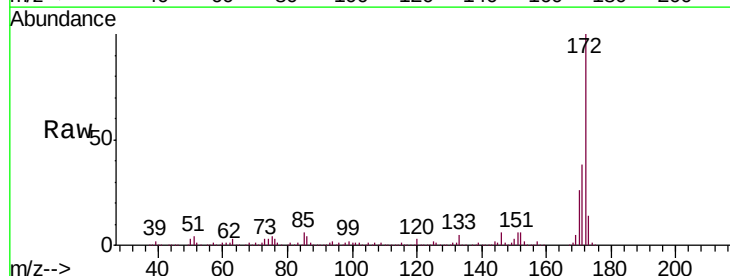
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 118.109 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.5	19.6	29.4

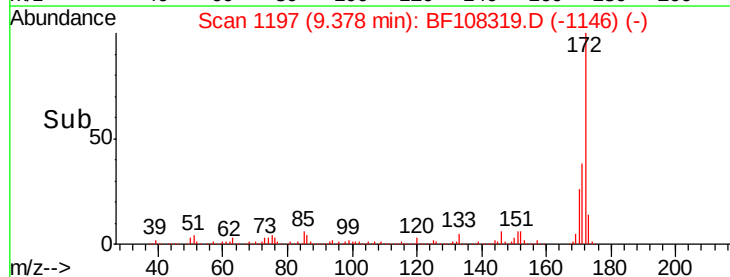
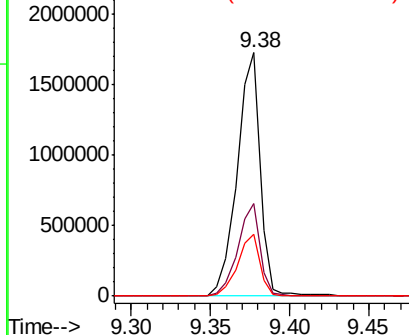


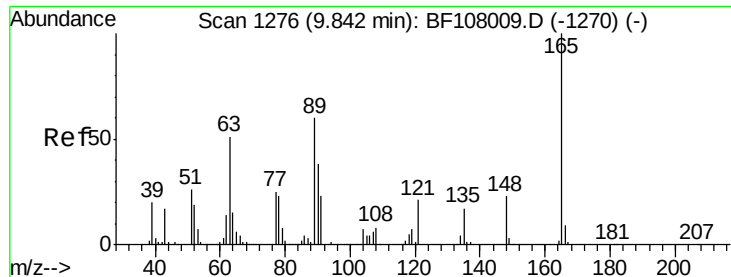
Abundance

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

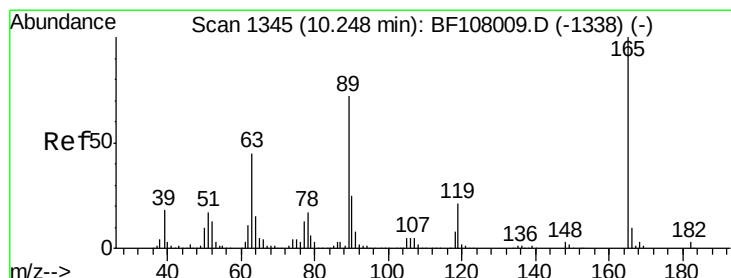
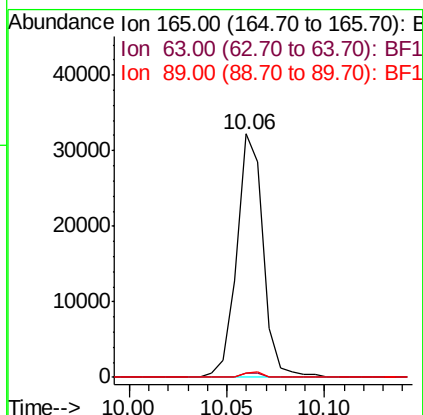
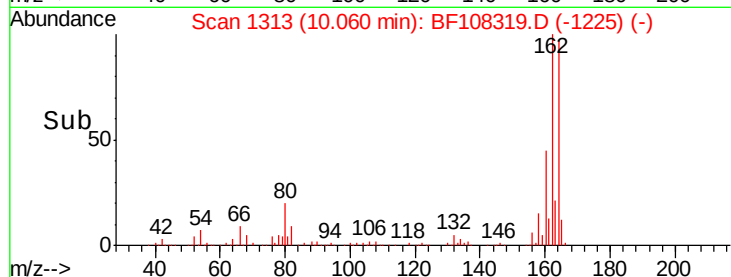
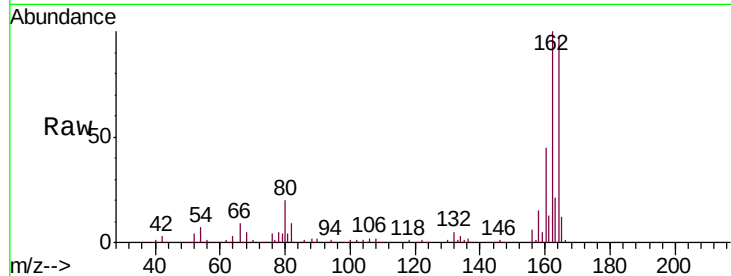




#50
 2,6-Dinitrotoluene
 Concen: 8.748 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

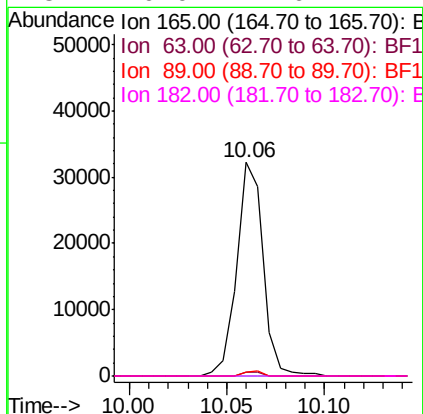
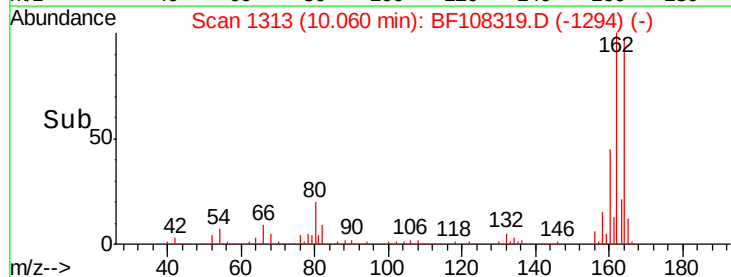
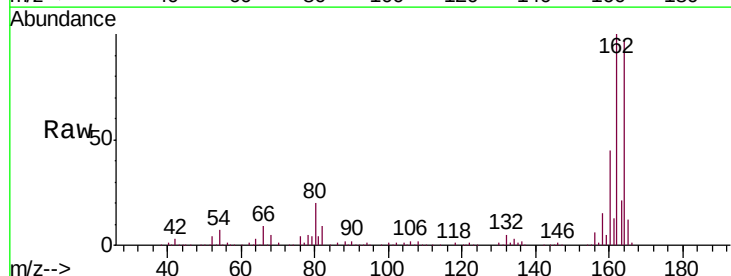
Instrument :
 BNA_F
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 TP-7

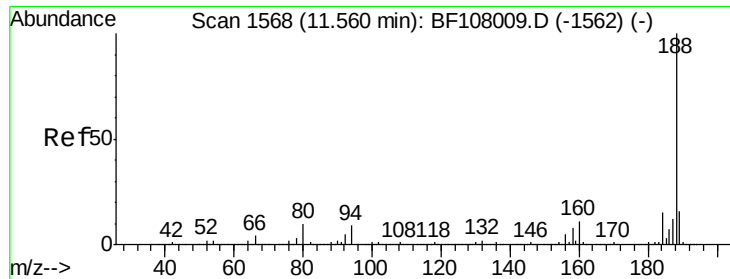
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	2.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.796 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

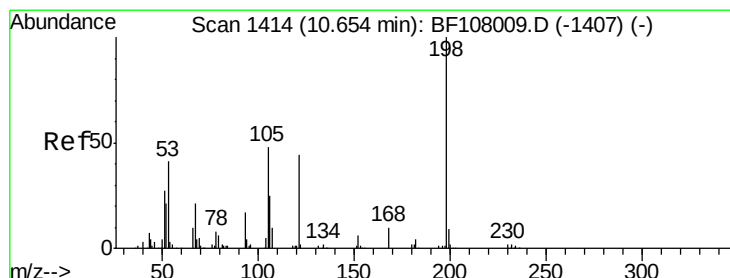
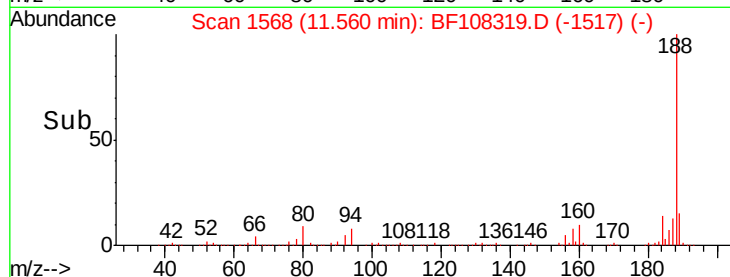
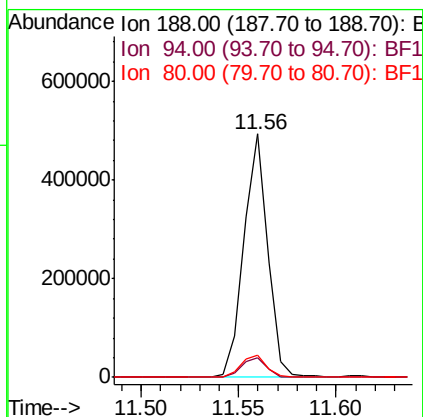
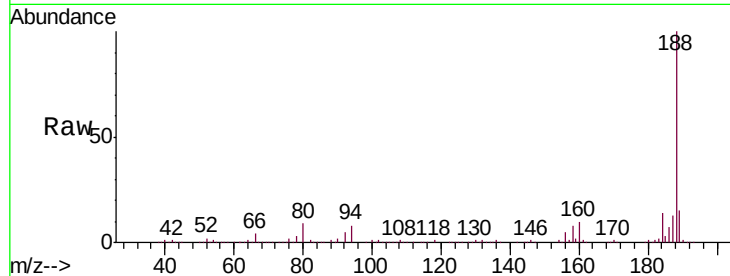




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

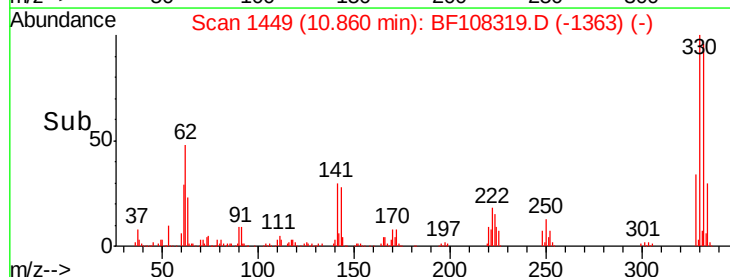
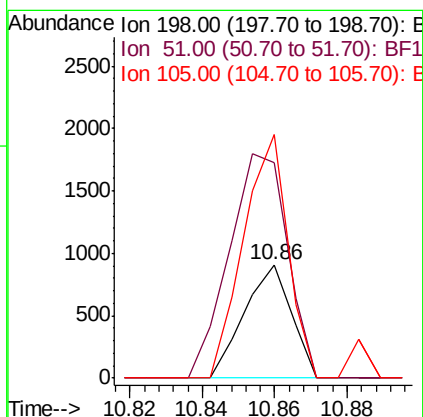
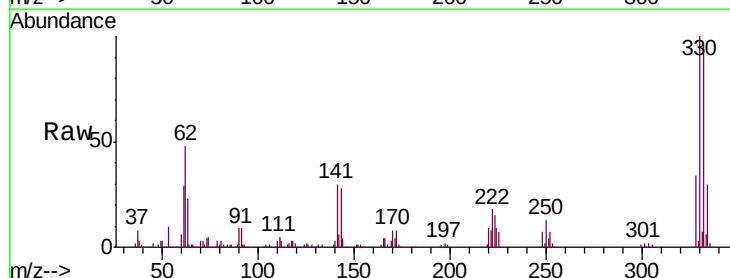
Instrument :
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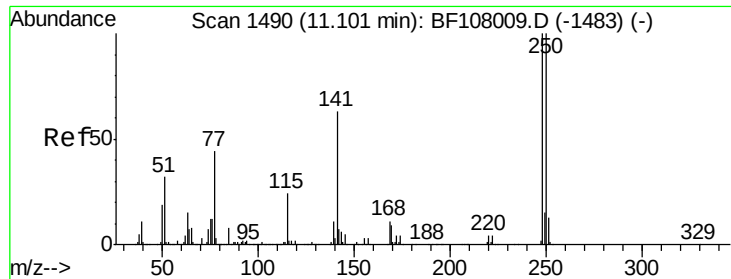
Tgt Ion:188 Resp: 420142
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 9.2 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.819 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Tgt Ion:198 Resp: 818
 Ion Ratio Lower Upper
 198 100
 51 189.7 37.7 77.7#
 105 214.4 36.3 76.3#

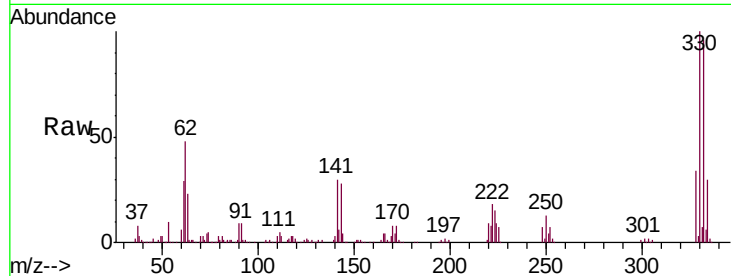




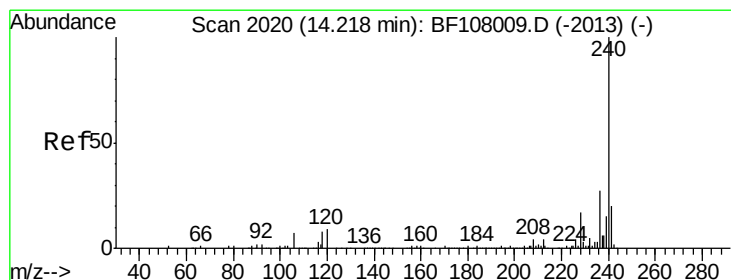
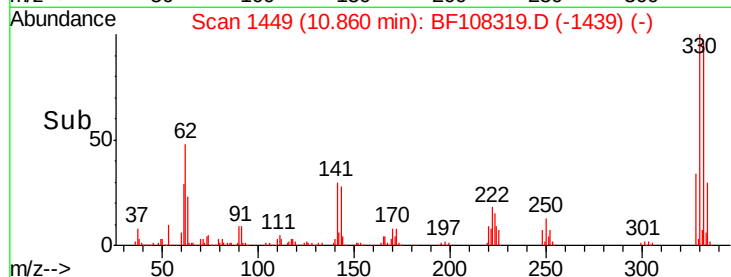
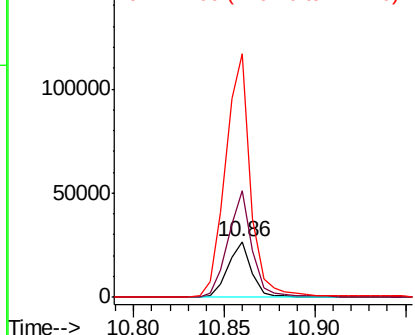
#66
 4-Bromophenyl-phenylether
 Concen: 5.369 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:248 Resp: 24513
 Ion Ratio Lower Upper
 248 100
 250 190.9 76.9 115.3#
 141 435.8 74.4 111.6#

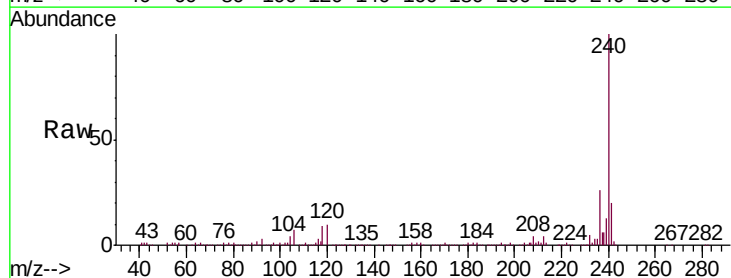


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

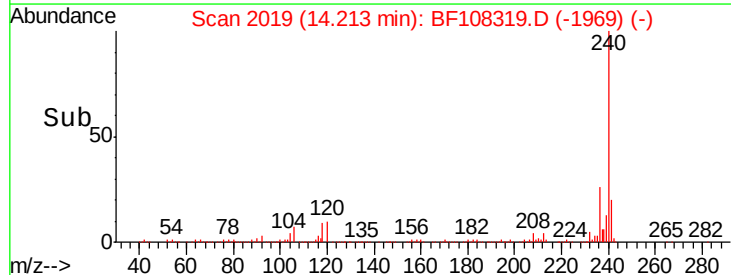
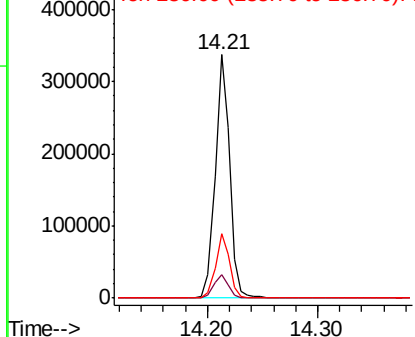


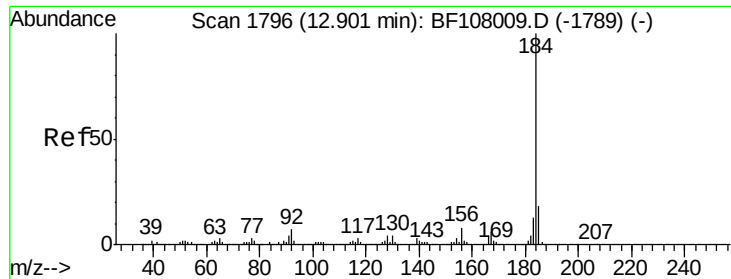
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108319.D
 Acq: 21 Aug 2018 5:26

Tgt Ion:240 Resp: 301550
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.5 14.3
 236 26.4 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

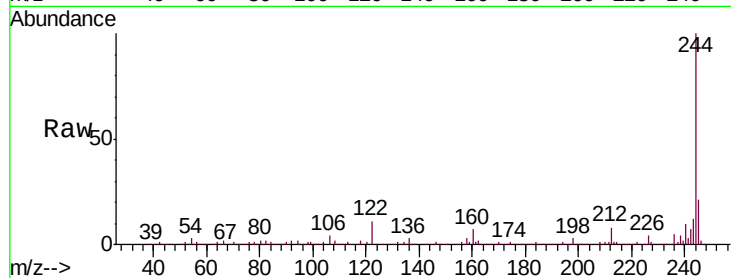




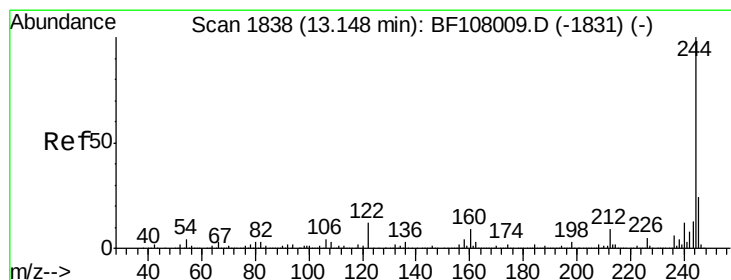
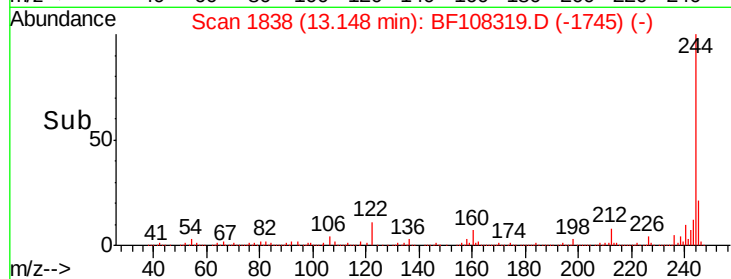
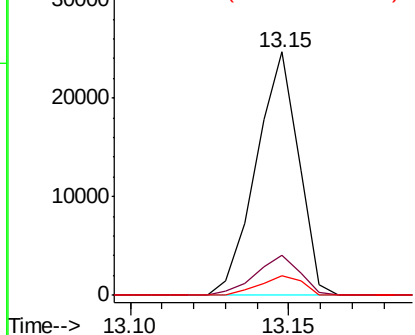
#76
Benzidine
Concen: 2.036 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:184 Resp: 22943
Ion Ratio Lower Upper
184 100
185 16.4 12.6 18.8
183 8.2 9.3 13.9#

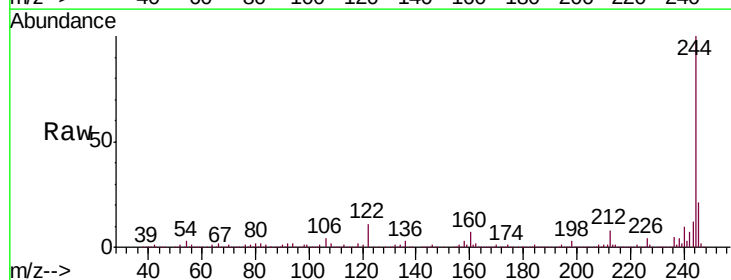


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

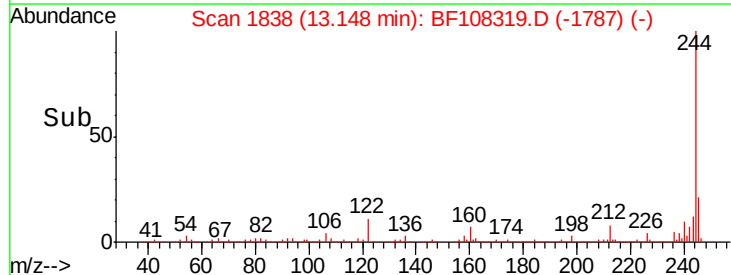
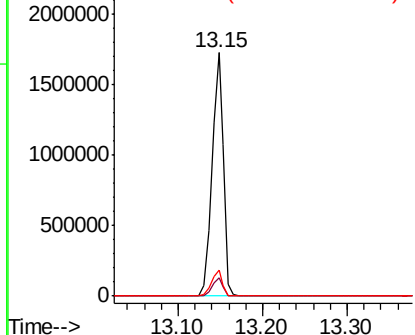


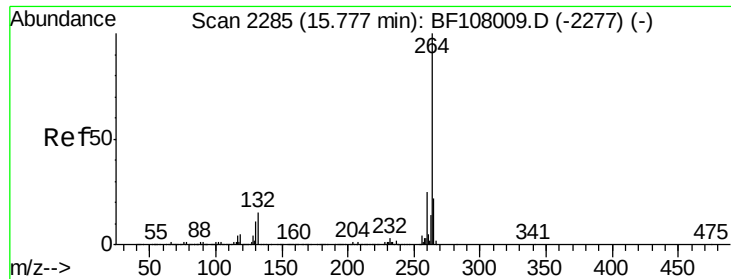
#78
Terphenyl-d14
Concen: 139.830 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Tgt Ion:244 Resp: 1658397
Ion Ratio Lower Upper
244 100
212 7.6 5.4 8.0
122 10.8 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: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108319.D
Acq: 21 Aug 2018 5:26

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.3	17.5	26.3

