

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108531.D
 Acq On : 28 Aug 2018 1:28
 Operator : JU/SJ
 Sample : J4659-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 03:10:39 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	107317	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	368217	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	150536	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	256719	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	263053	20.00	ng	-0.01
86) Perylene-d12	15.75	264	179394	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	262183	44.23	ng	0.00
7) Phenol-d6	6.61	99	211617	26.87	ng	-0.02
23) Nitrobenzene-d5	7.57	82	712737	108.01	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	143071	95.28	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1241519	132.41	ng	-0.01
78) Terphenyl-d14	13.12	244	1031350	99.69	ng	0.00

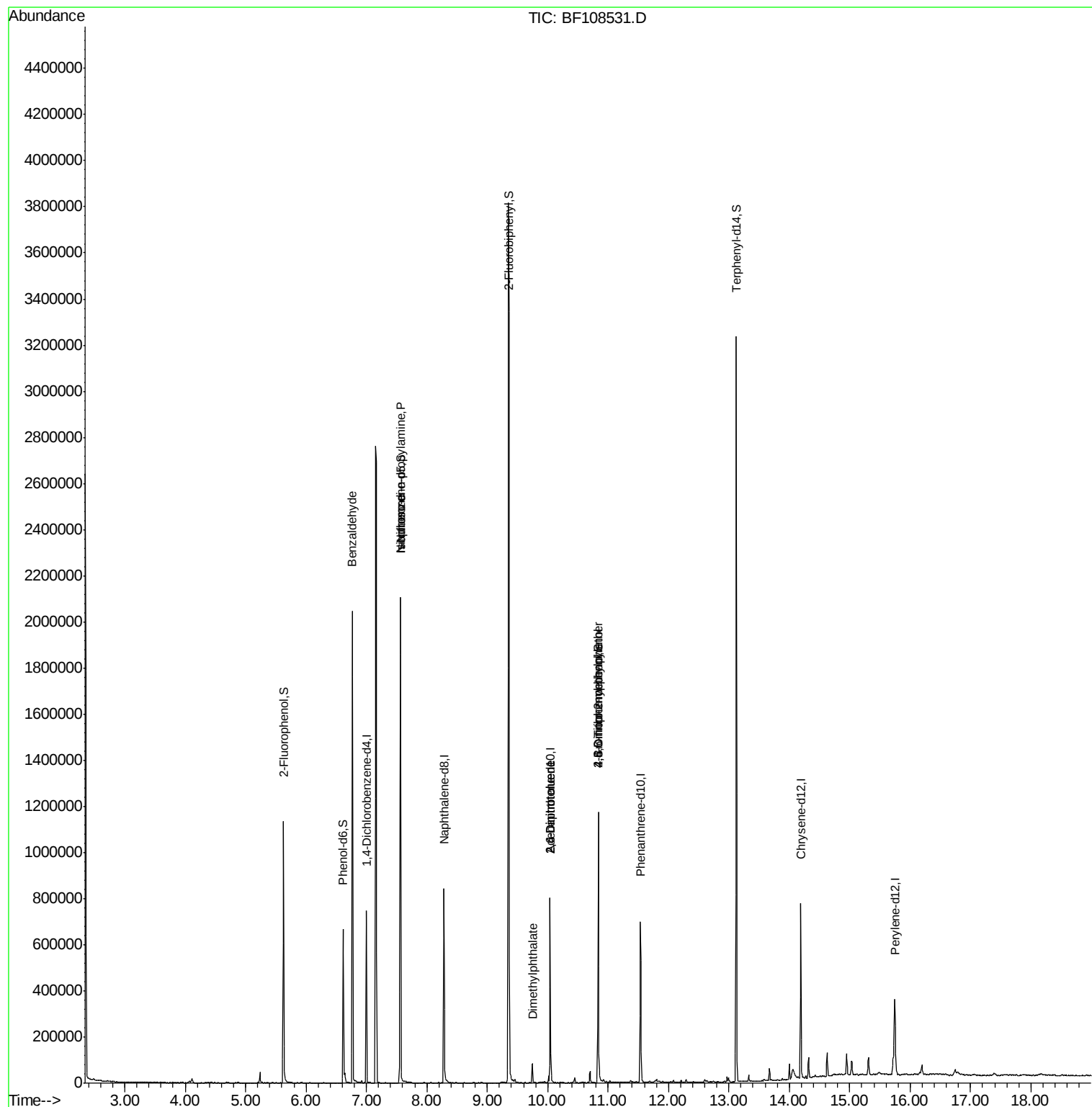
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	12511	2.049	ng	# 74
19) n-Nitroso-di-n-propylamine	7.57	70	95418	17.913	ng	# 82
25) Isophorone	7.57	82	712725	56.667	ng	# 64
49) Dimethylphthalate	9.75	163	38992	3.718	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	19161	8.734	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	19161	6.785	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	256	5.595	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	9215	3.303	ng	# 1

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

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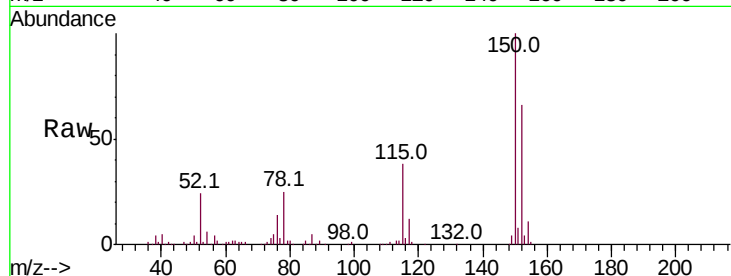


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.6	186.8
115	58.1	50.1	75.1

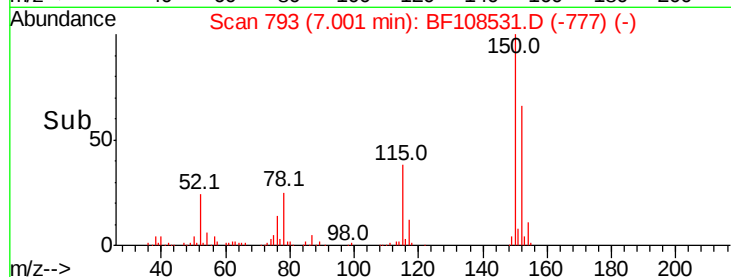
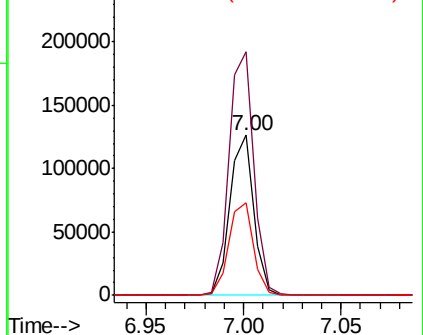


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

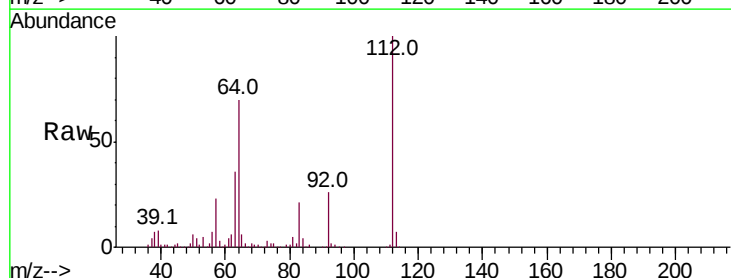
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.231 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	36.3	23.7	35.5#

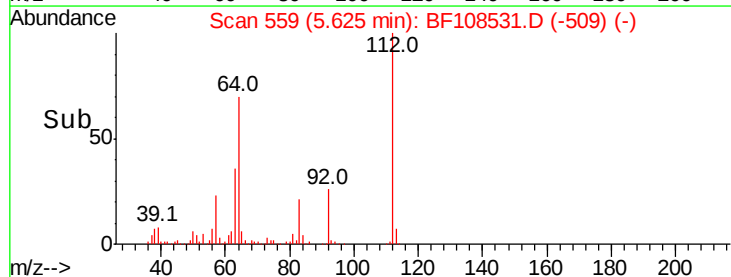
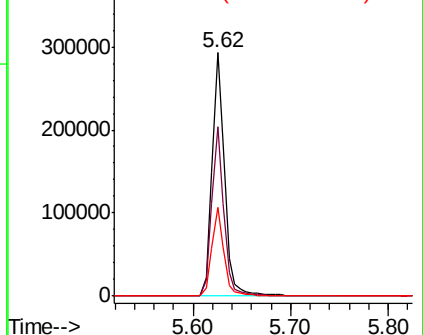


Abundance

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: 26.865 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108531.D

Acq: 28 Aug 2018 1:28

Instrument :

BNA_F

ClientSampled :

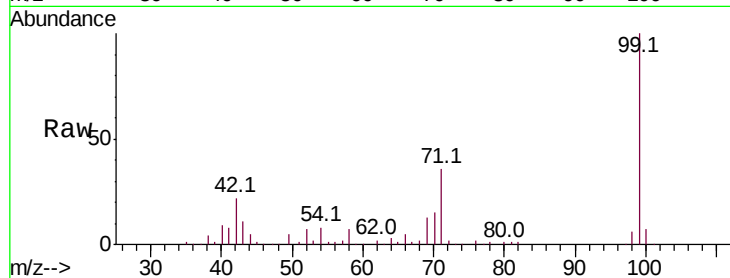
Tot Ion: 99 Resp: 211617

Ion Ratio Lower Upper

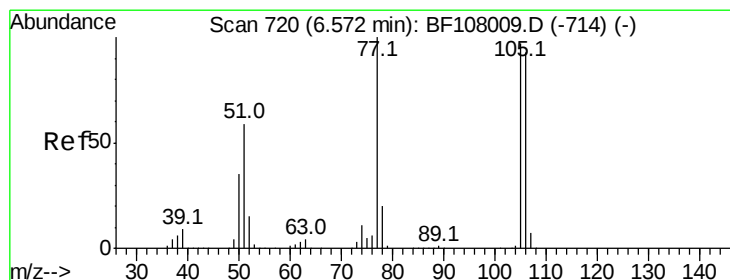
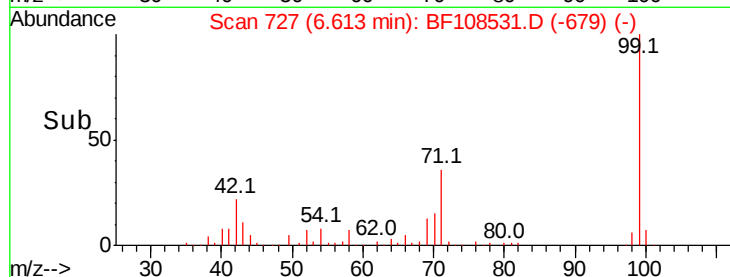
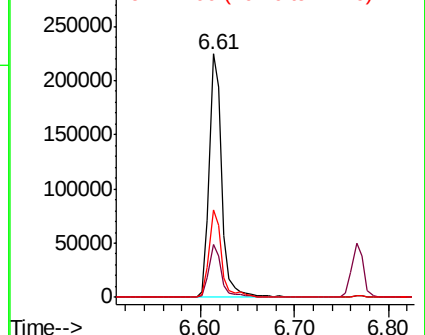
99 100

42 21.9 14.5 21.7#

71 35.8 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



#9

Benzaldehyde

Concen: 2.049 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108531.D

Acq: 28 Aug 2018 1:28

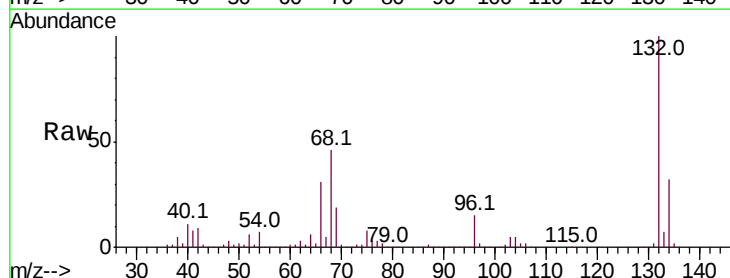
Tgt Ion: 77 Resp: 12511

Ion Ratio Lower Upper

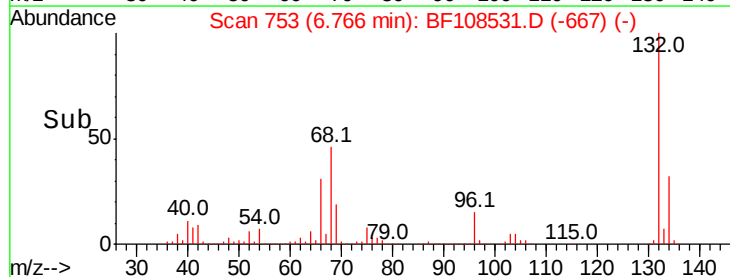
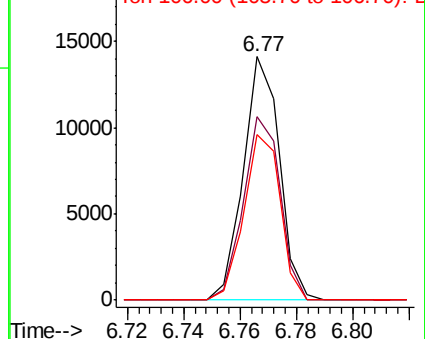
77 100

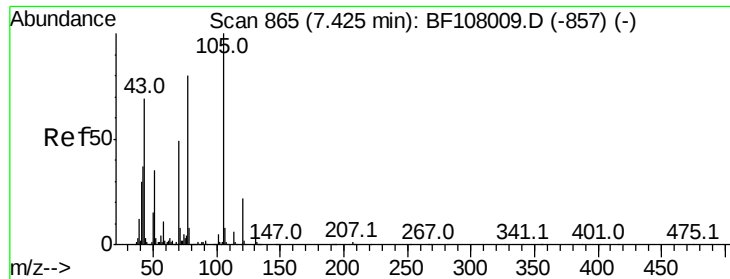
105 75.4 81.1 121.1#

106 68.1 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

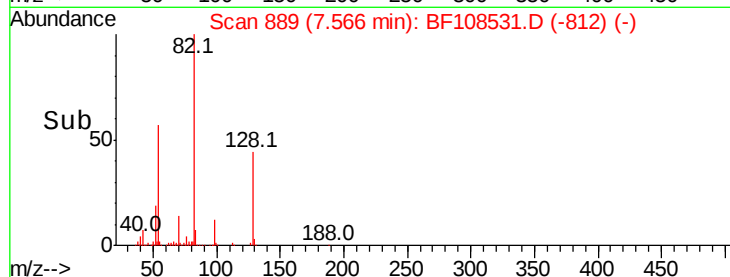
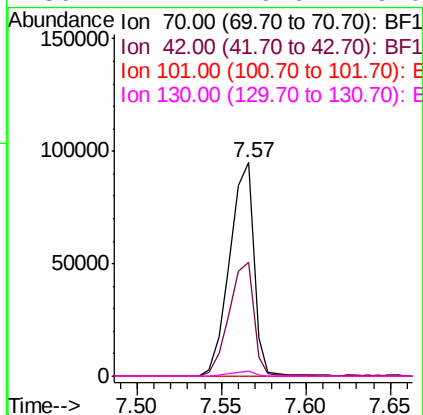
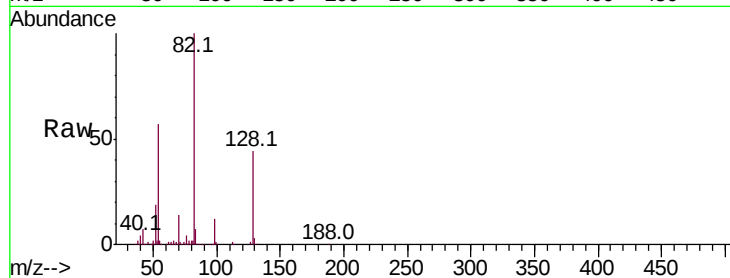




#19
n-Nitroso-di-n-propylamine
Concen: 17.913 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

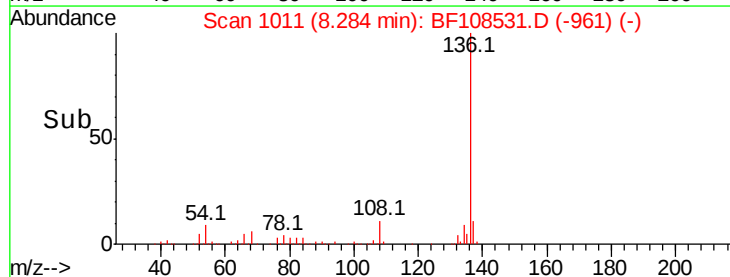
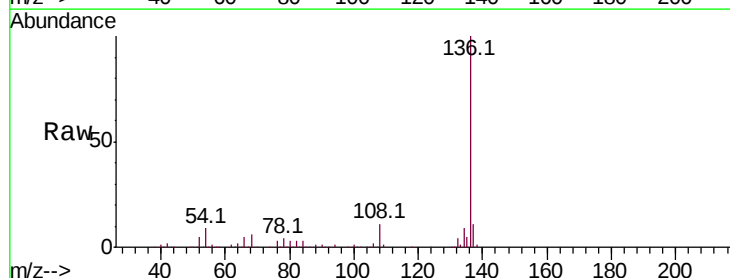
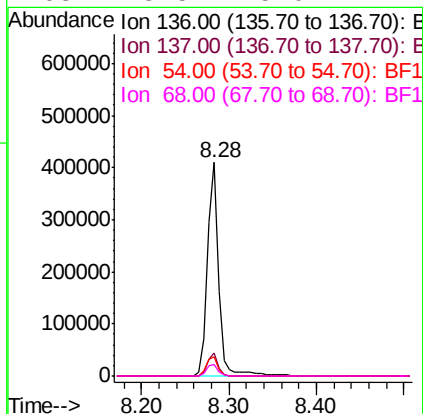
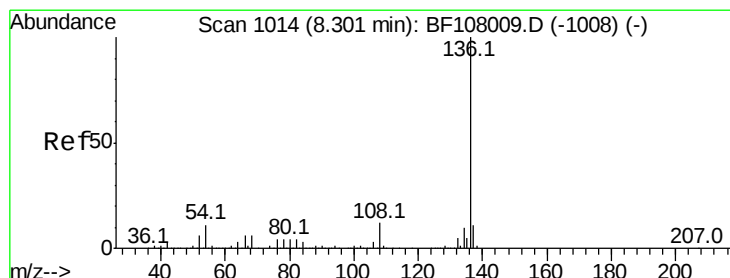
Instrument :
BNA_F
ClientSampleId :

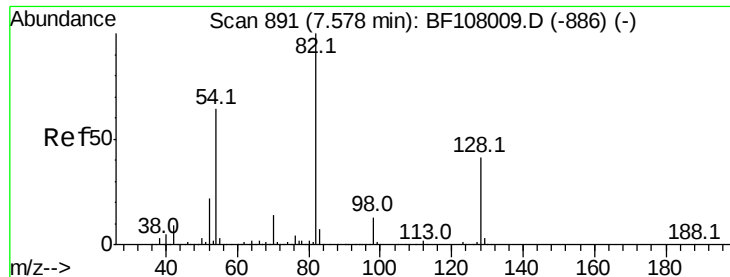
Tot Ion: 70 Resp: 95418
Ion Ratio Lower Upper
70 100
42 53.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Tgt Ion: 136 Resp: 368217
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.3 6.6 9.8
68 5.5 5.0 7.4

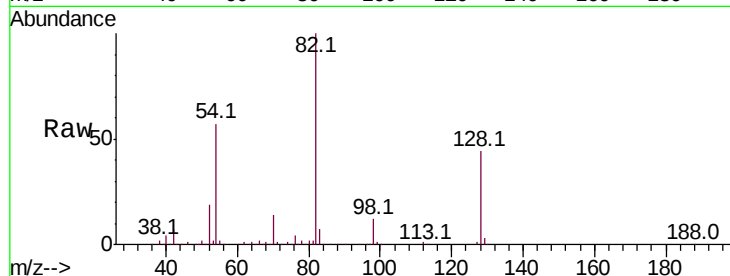




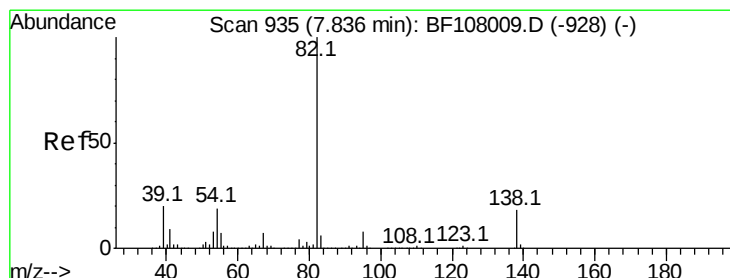
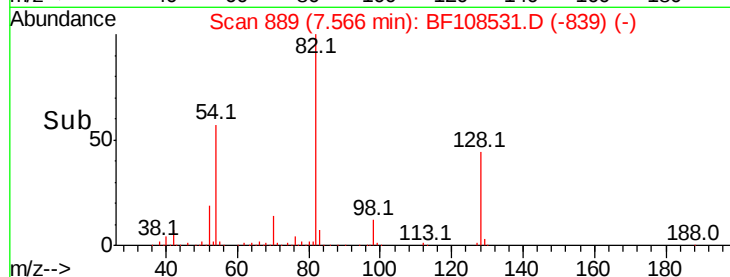
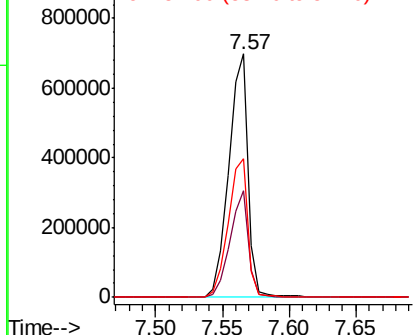
#23
Nitrobenzene-d5
Concen: 108.012 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 712737
Ion Ratio Lower Upper
82 100
128 43.6 36.1 54.1
54 57.2 41.4 62.2

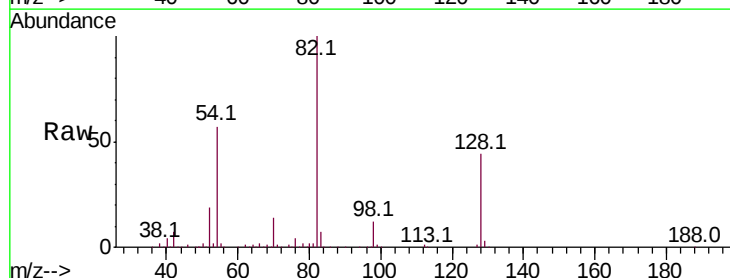


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

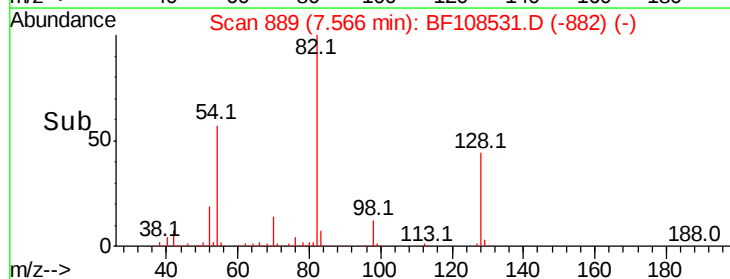
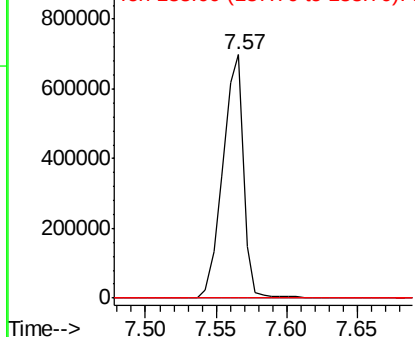


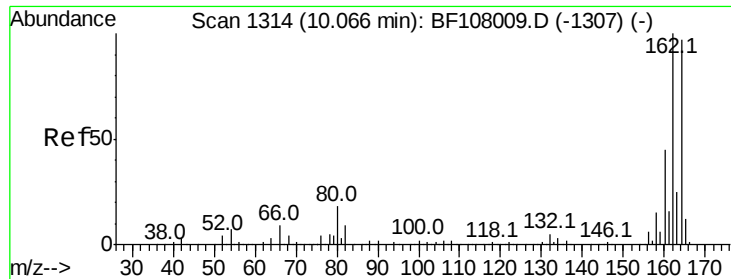
#25
Isophorone
Concen: 56.667 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Tgt Ion: 82 Resp: 712725
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

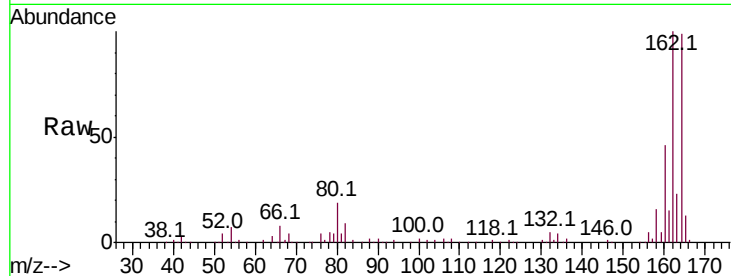




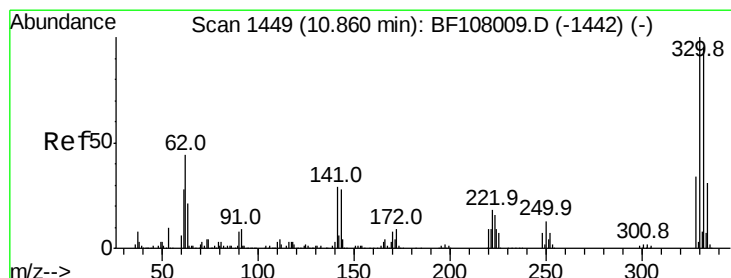
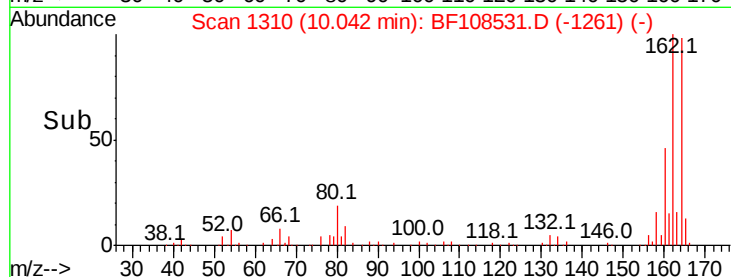
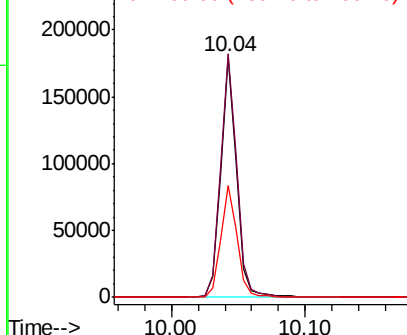
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 150536
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 46.4 38.3 57.5

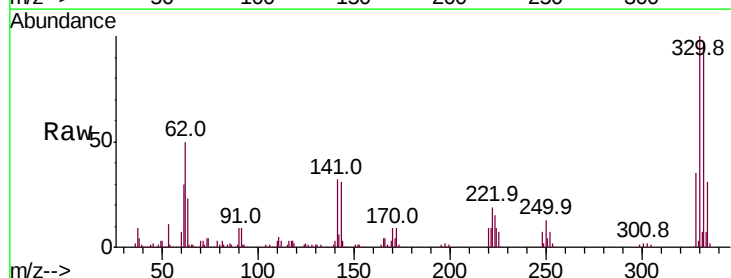


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

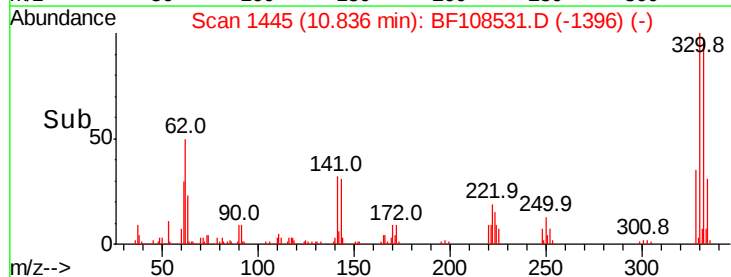
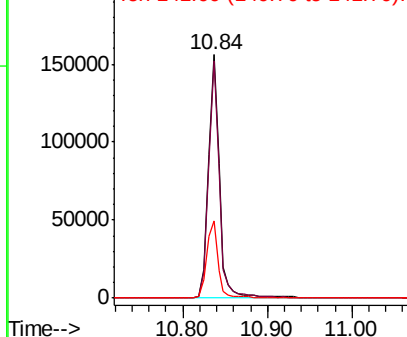


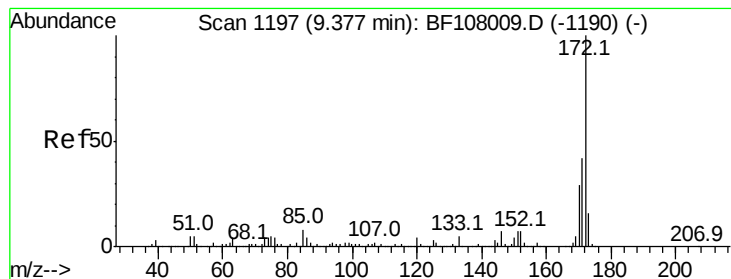
#41
2,4,6-Tribromophenol
Concen: 95.282 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Tgt Ion:330 Resp: 143071
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 32.3 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

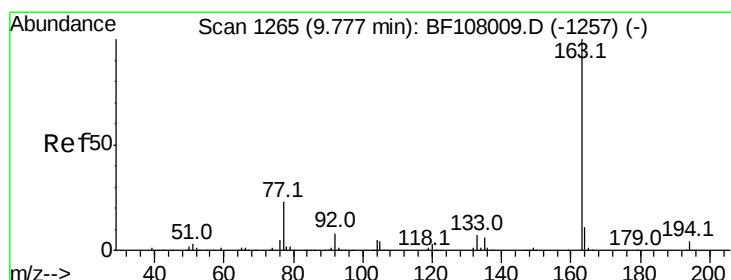
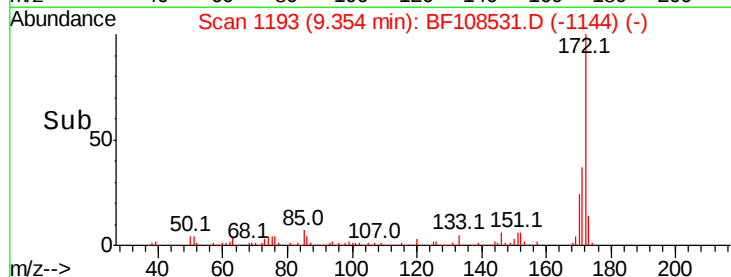
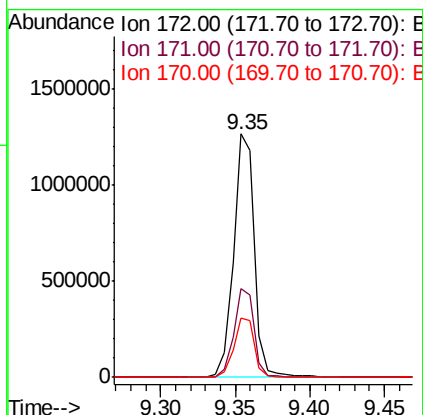
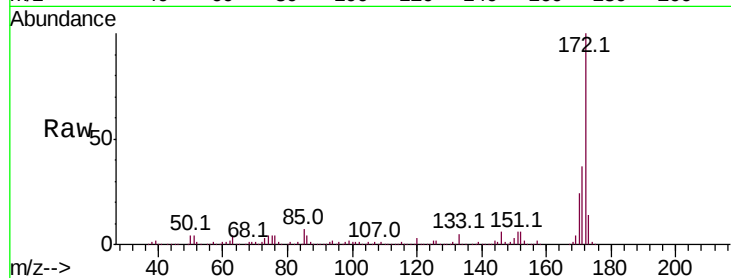




#44
 2-Fluorobiphenyl
 Concen: 132.408 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

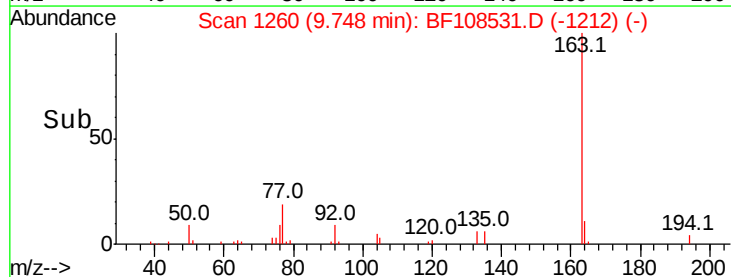
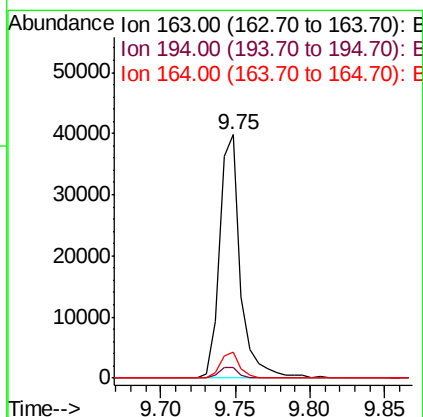
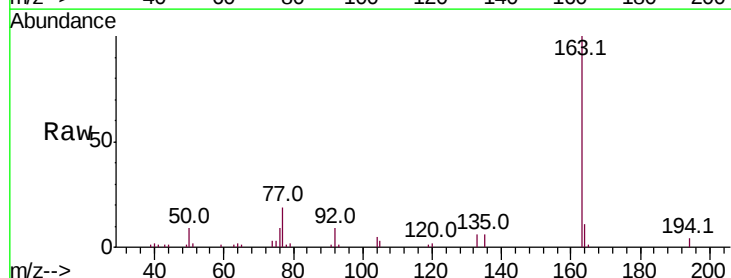
Instrument :
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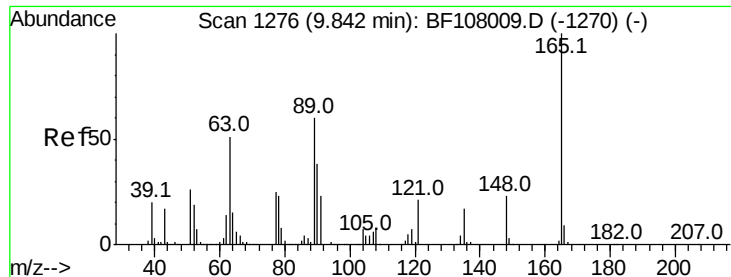
Tot Ion:172 Resp: 1241519
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.4 19.6 29.4



#49
 Dimethylphthalate
 Concen: 3.718 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

Tgt Ion:163 Resp: 38992
 Ion Ratio Lower Upper
 163 100
 194 4.5 2.7 4.1#
 164 10.9 8.2 12.2

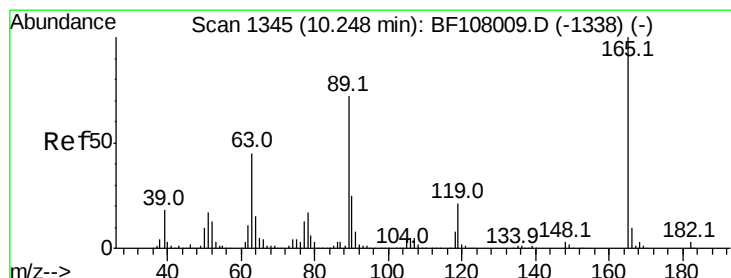
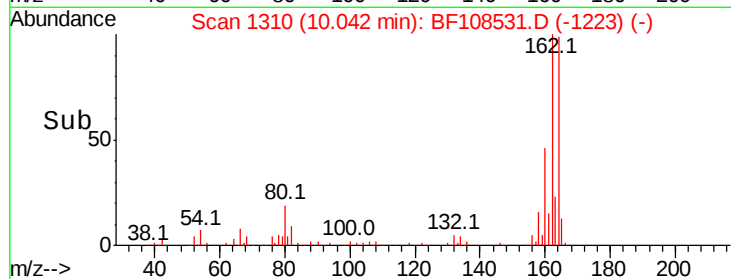
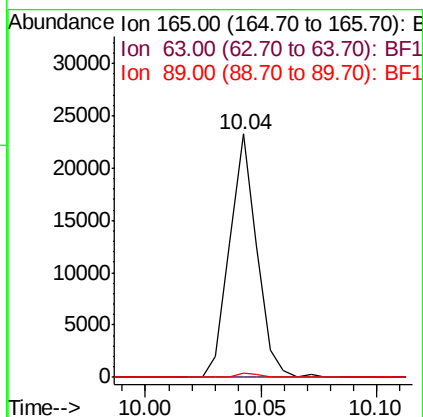
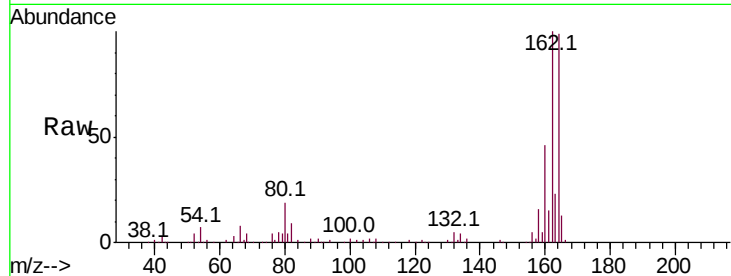




#50
 2,6-Dinitrotoluene
 Concen: 8.734 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

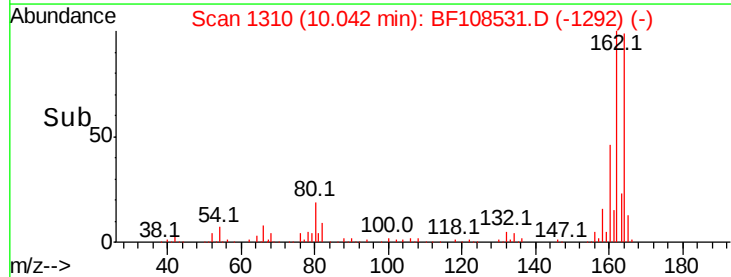
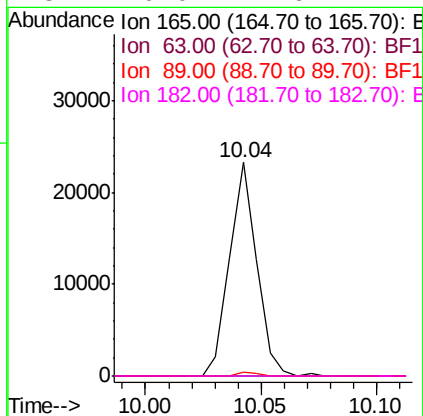
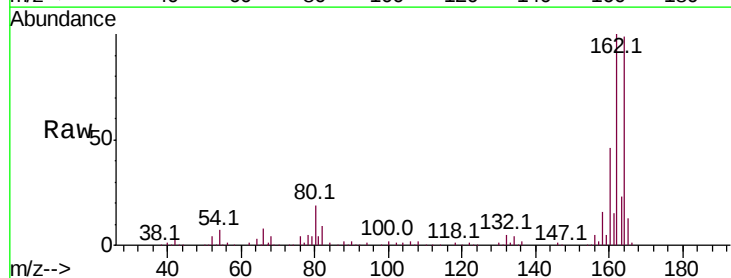
Instrument :
 BNA_F
 ClientSampleId :

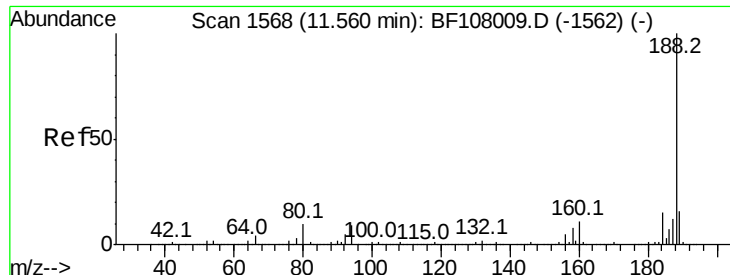
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.785 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

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

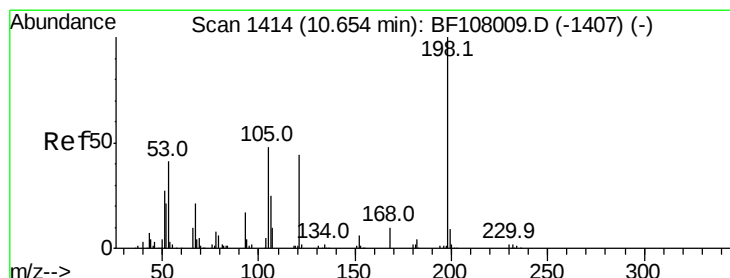
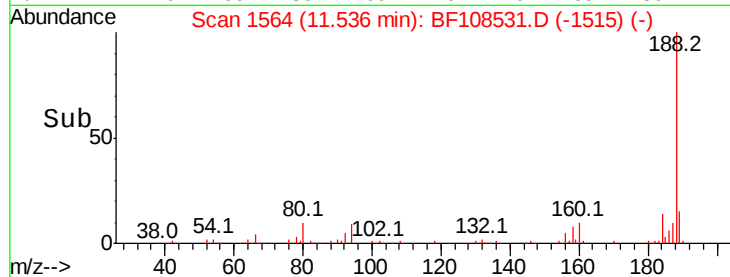
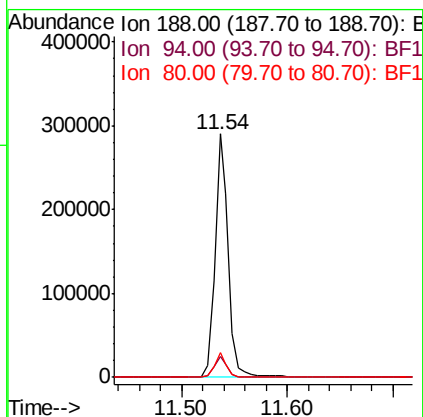
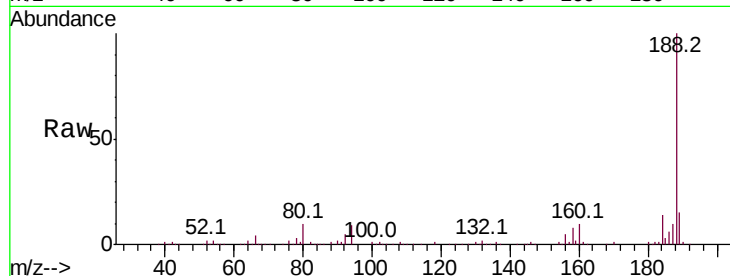




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

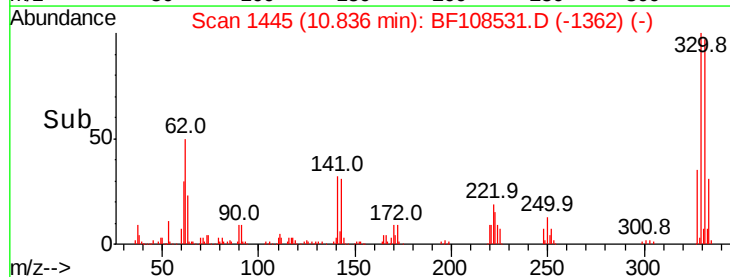
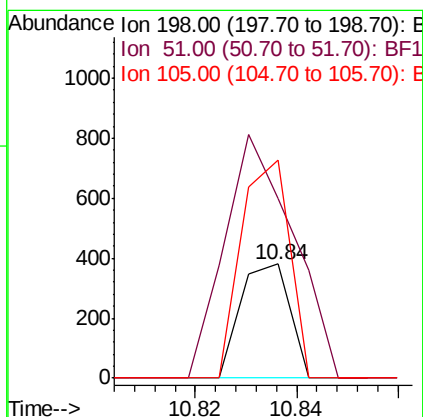
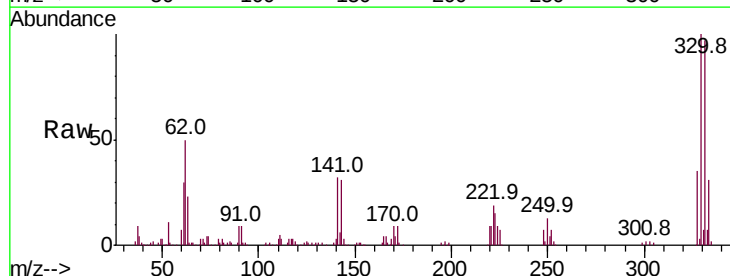
Instrument :
BNA_F
ClientSampleId :

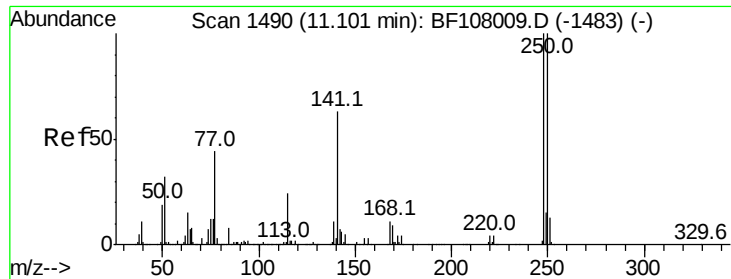
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.9	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.595 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108531.D
Acq: 28 Aug 2018 1:28

Tgt Ion	Ratio	Lower	Upper
198	100		
51	157.4	37.7	77.7#
105	191.1	36.3	76.3#

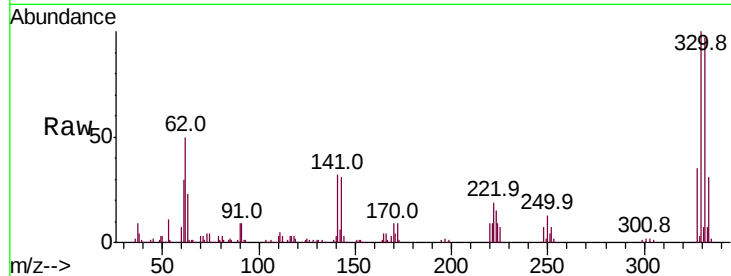




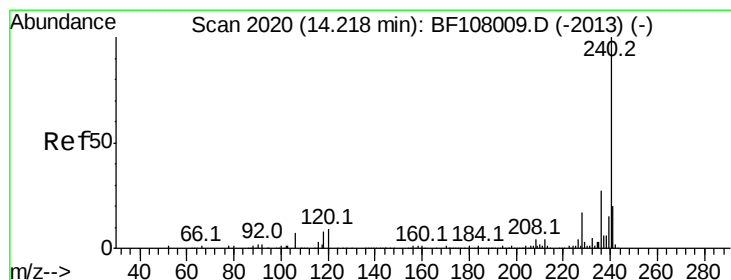
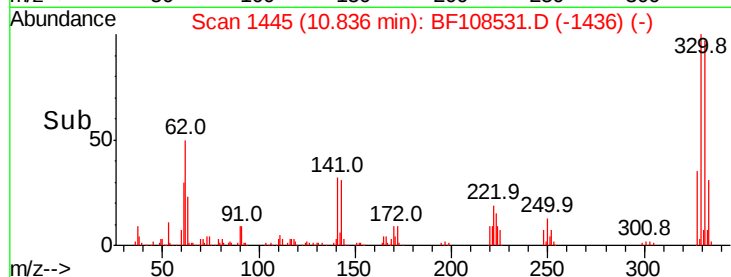
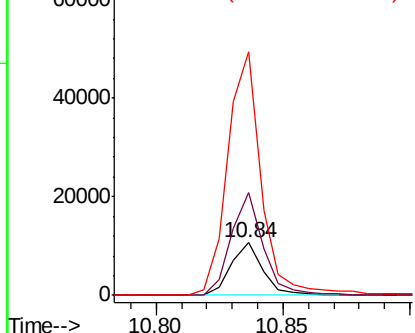
#66
 4-Bromophenyl-phenylether
 Concen: 3.303 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9215
 Ion Ratio Lower Upper
 248 100
 250 195.5 76.9 115.3#
 141 465.1 74.4 111.6#

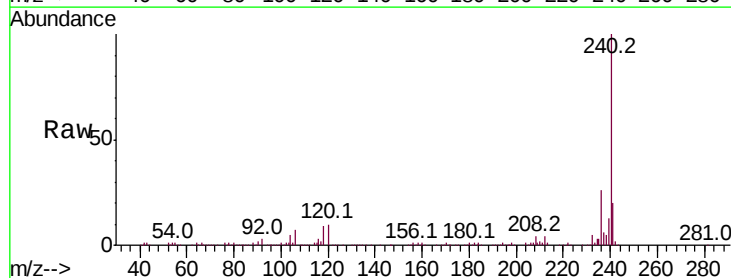


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

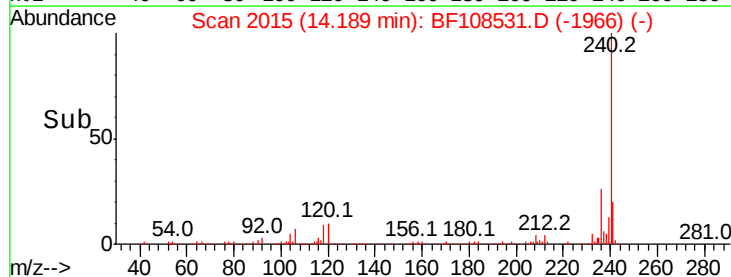
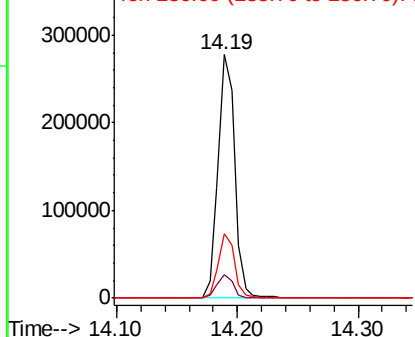


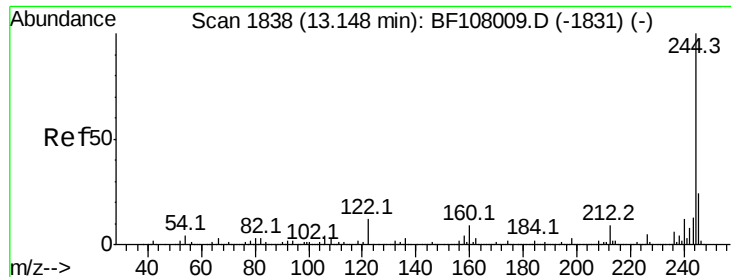
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

Tgt Ion:240 Resp: 263053
 Ion Ratio Lower Upper
 240 100
 120 9.8 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



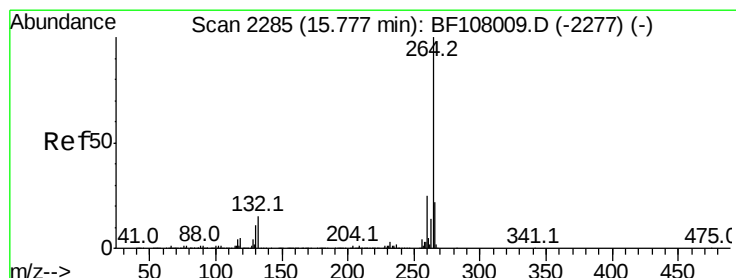
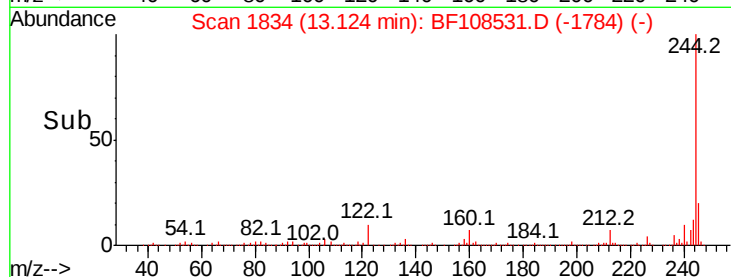
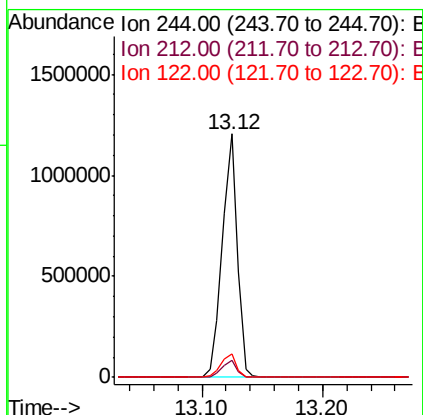
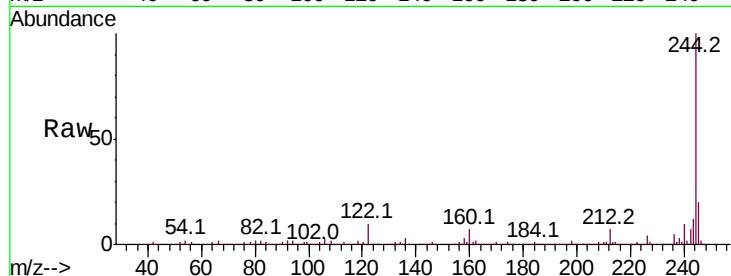


#78
 Terphenyl-d14
 Concen: 99.686 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1031350

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.7	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108531.D
 Acq: 28 Aug 2018 1:28

Tgt Ion:264 Resp: 179394

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.5	17.5	26.3

