

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108534.D
 Acq On : 28 Aug 2018 2:48
 Operator : JU/SJ
 Sample : J4659-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 04:52:22 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	107908	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	378782	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	165522	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	275243	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	268205	20.00	ng	-0.01
86) Perylene-d12	15.74	264	188485	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	251514	42.20	ng	0.00
7) Phenol-d6	6.61	99	212770	26.86	ng	-0.02
23) Nitrobenzene-d5	7.57	82	751110	110.65	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	160343	97.12	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1346708	130.62	ng	0.00
78) Terphenyl-d14	13.12	244	1109675	105.20	ng	0.00

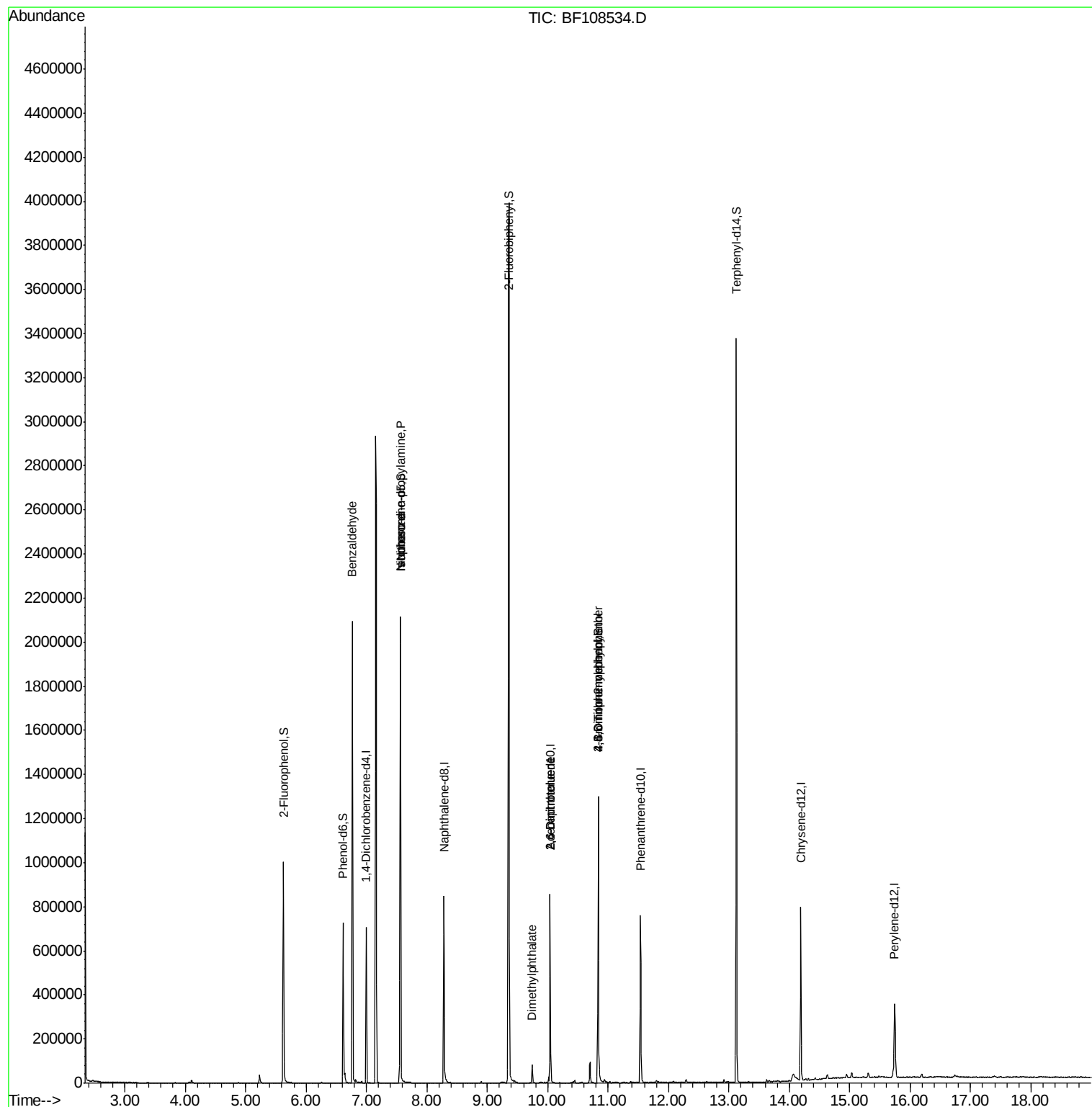
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	12662	2.062	ng	# 75
19) n-Nitroso-di-n-propylamine	7.57	70	100870	18.833	ng	# 83
25) Isophorone	7.57	82	751099	58.053	ng	# 64
49) Dimethylphthalate	9.74	163	35118	3.046	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	20200	8.374	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	20200	6.505	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	201	5.531	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	10576	3.536	ng	# 1

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

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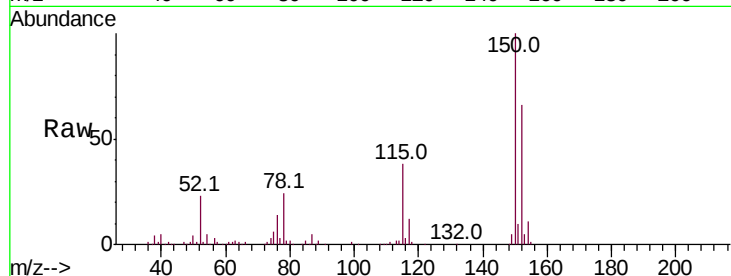


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.6	186.8
115	57.0	50.1	75.1

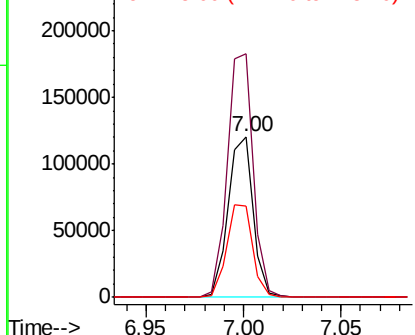
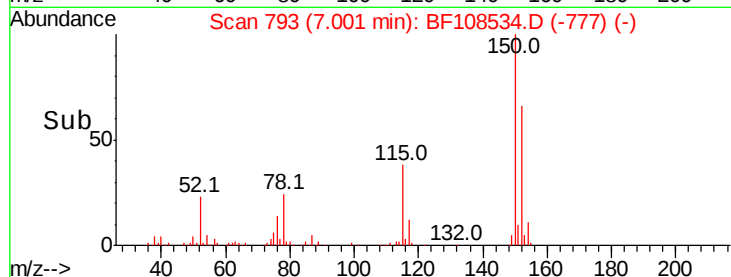


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

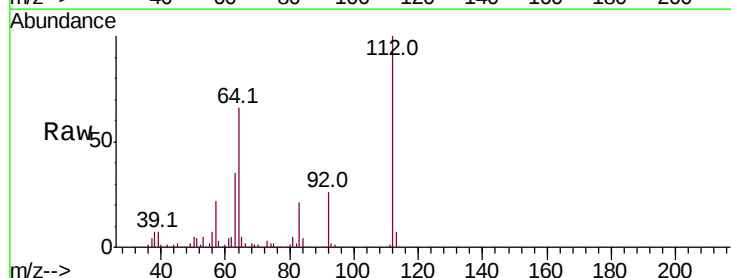
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.198 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	35.4	23.7	35.5

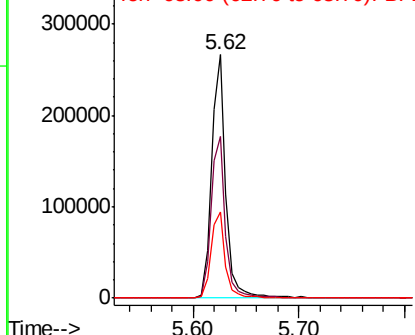
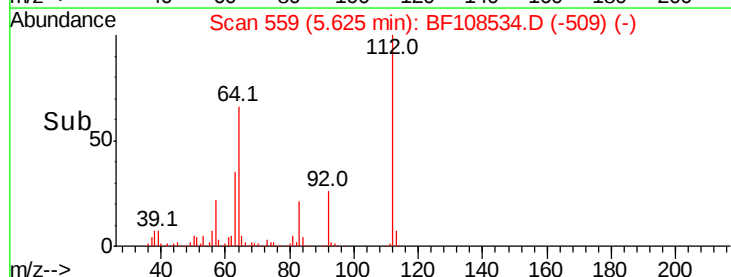


Abundance

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: 26.864 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108534.D

Acq: 28 Aug 2018 2:48

Instrument :

BNA_F

ClientSampleId :

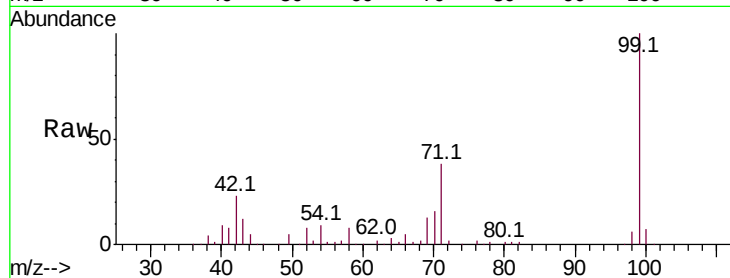
Tot Ion: 99 Resp: 212770

Ion Ratio Lower Upper

99 100

42 22.9 14.5 21.7#

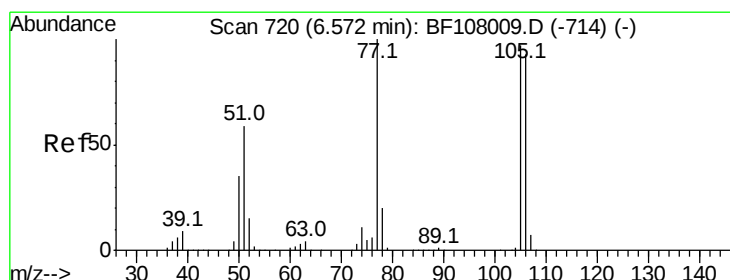
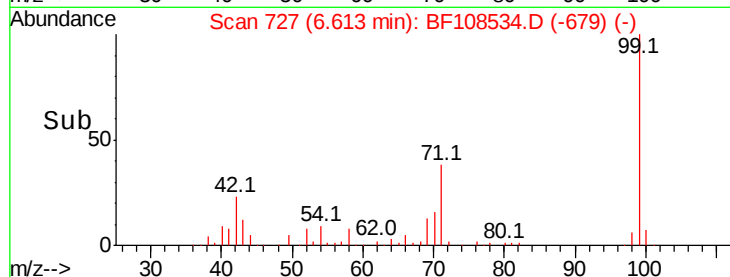
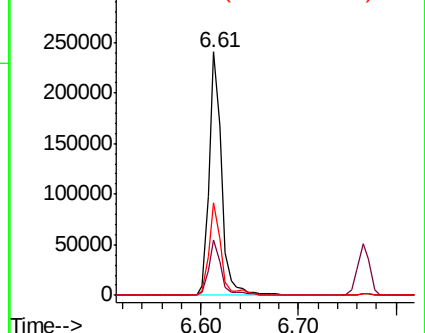
71 37.8 25.4 38.0



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: 2.062 ng

RT: 6.77 min Scan# 753

Delta R.T. 0.21 min

Lab File: BF108534.D

Acq: 28 Aug 2018 2:48

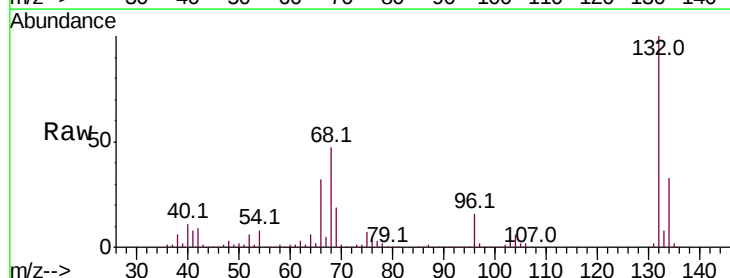
Tgt Ion: 77 Resp: 12662

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

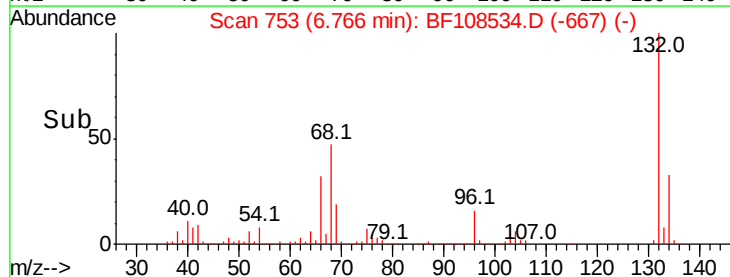
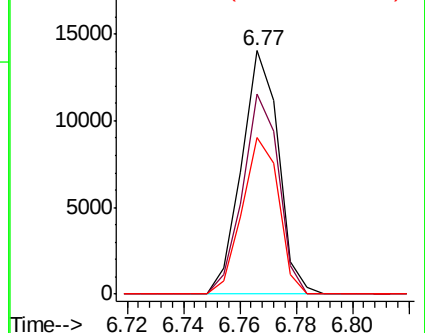
106 64.4 74.5 114.5#

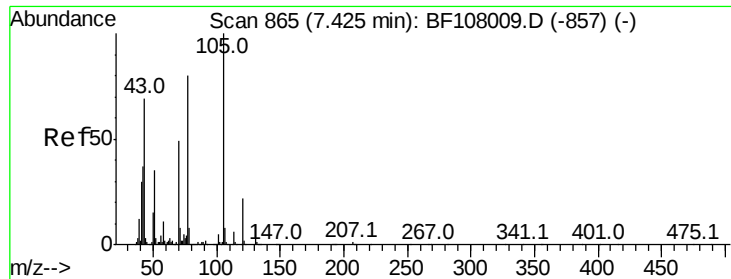


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

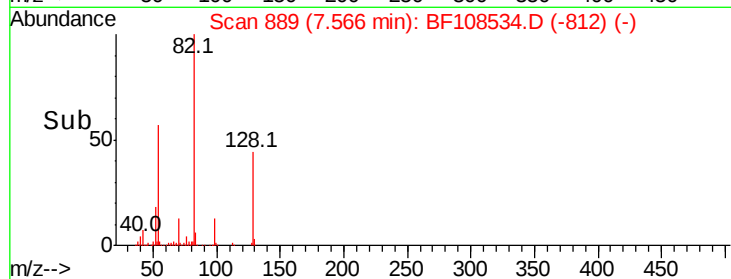
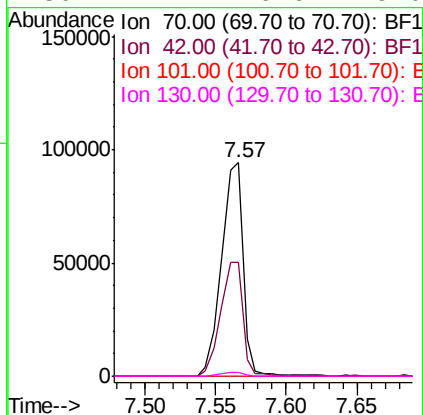
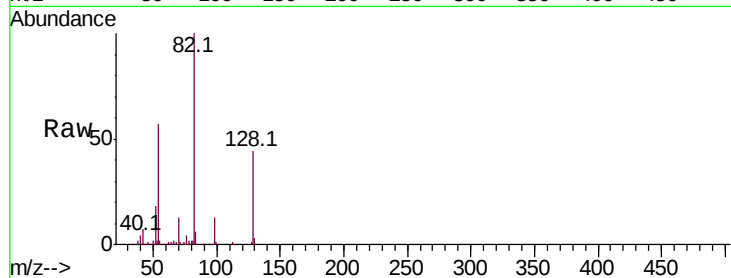




#19
n-Nitroso-di-n-propylamine
Concen: 18.833 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

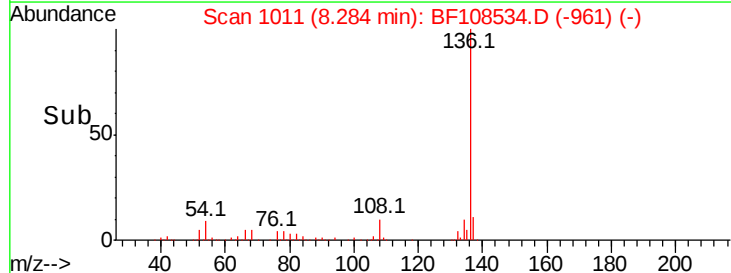
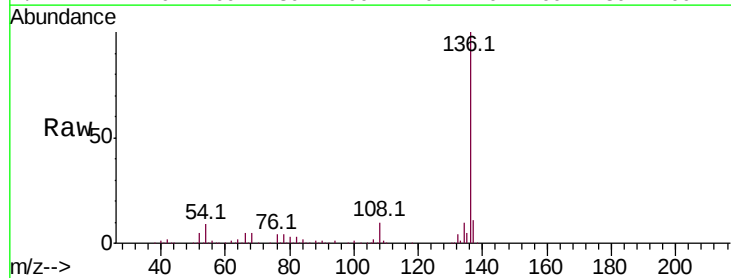
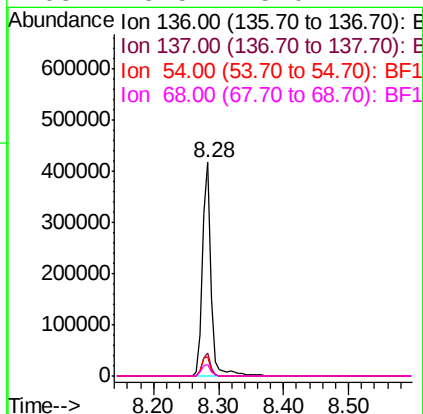
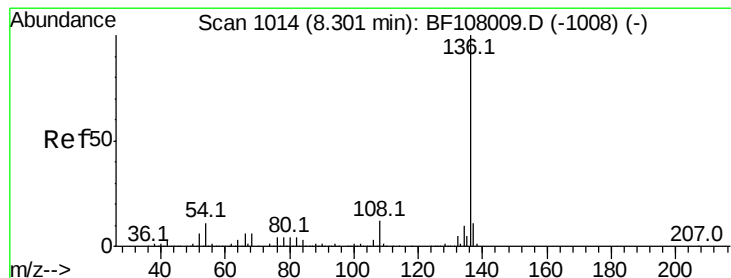
Instrument :
BNA_F
ClientSampled :

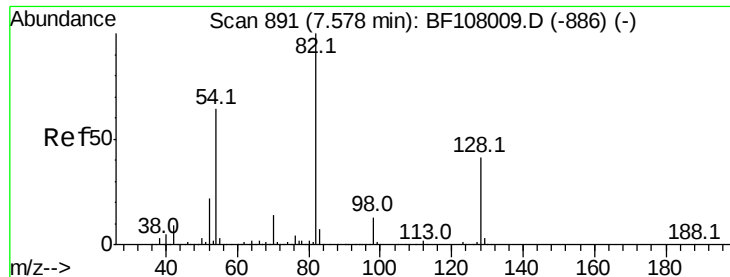
Tot Ion: 70 Resp: 100870
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Tgt Ion: 136 Resp: 378782
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.2 6.6 9.8
68 5.5 5.0 7.4

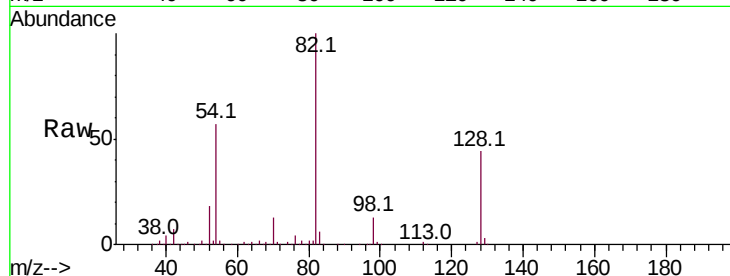




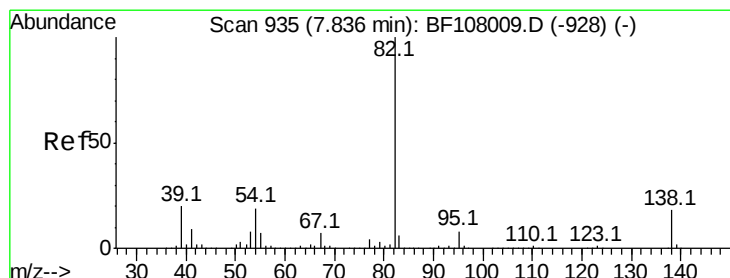
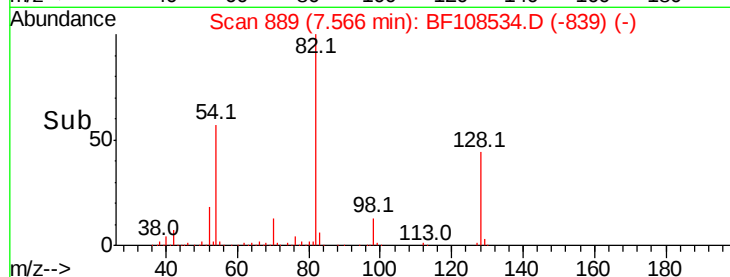
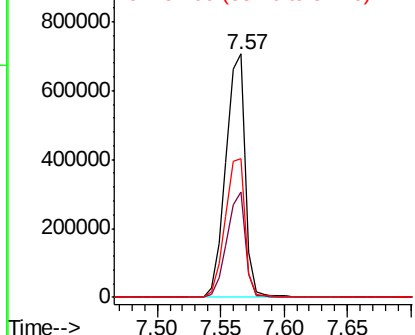
#23
Nitrobenzene-d5
Concen: 110.652 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 751110
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 57.0 41.4 62.2

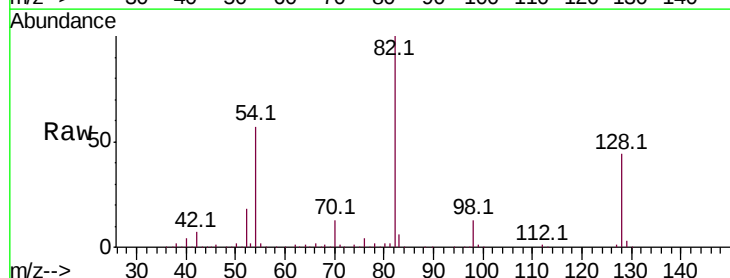


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

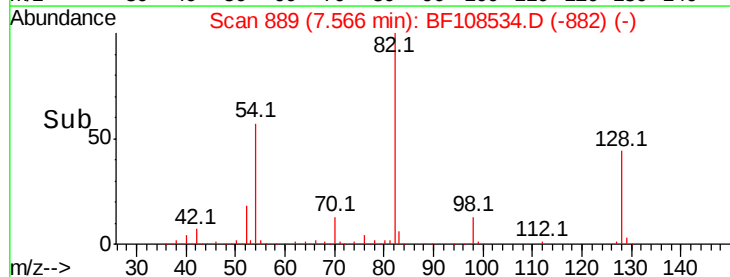
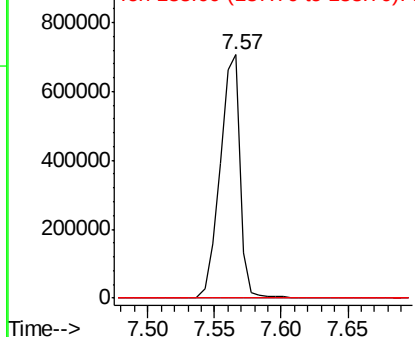


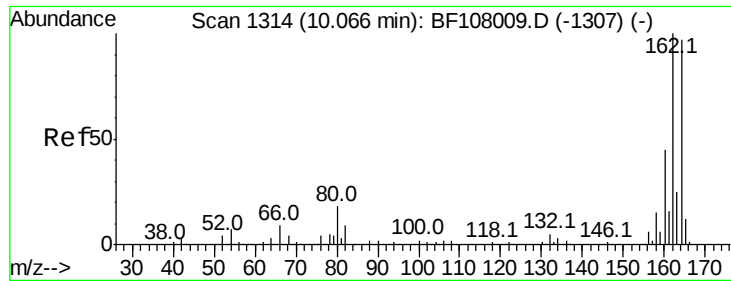
#25
Isophorone
Concen: 58.053 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.26 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Tgt Ion: 82 Resp: 751099
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

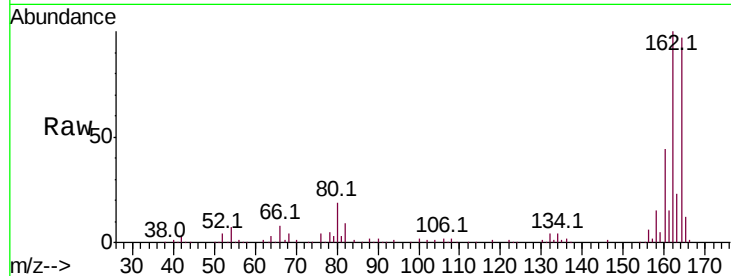




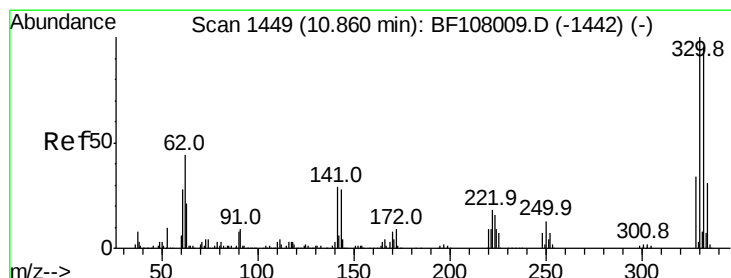
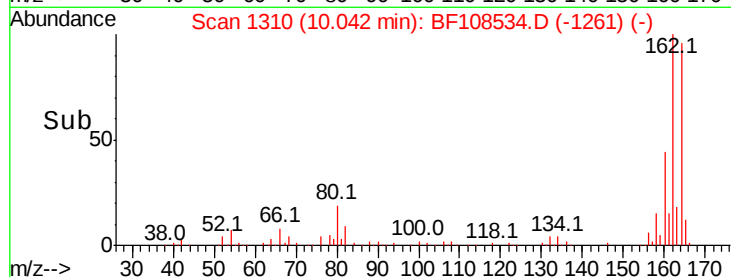
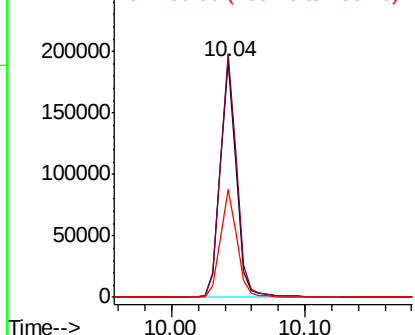
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 165522
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 46.0 38.3 57.5

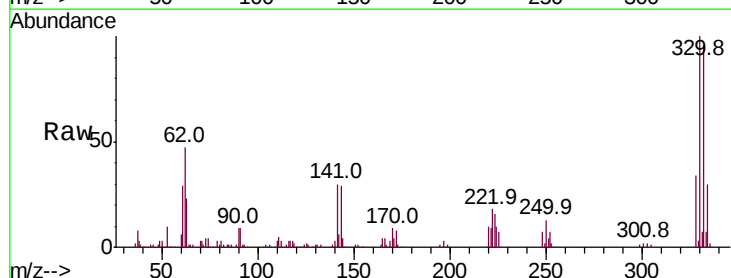


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

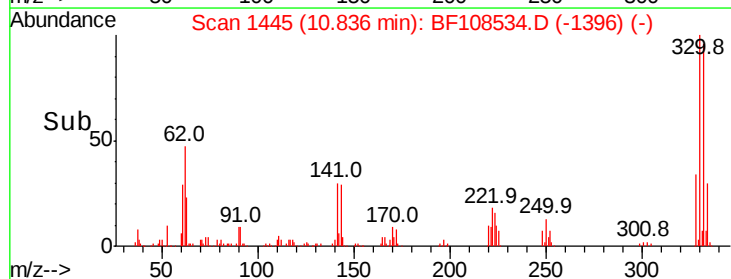
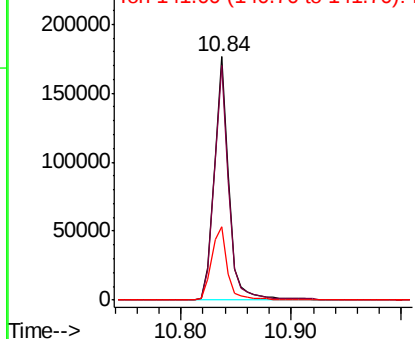


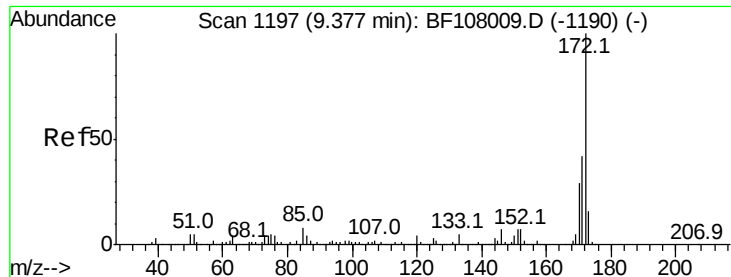
#41
2,4,6-Tribromophenol
Concen: 97.116 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Tgt Ion:330 Resp: 160343
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 32.7 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



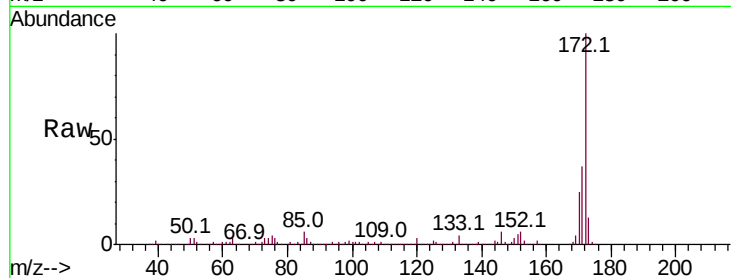


#44
 2-Fluorobiphenyl
 Concen: 130.623 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

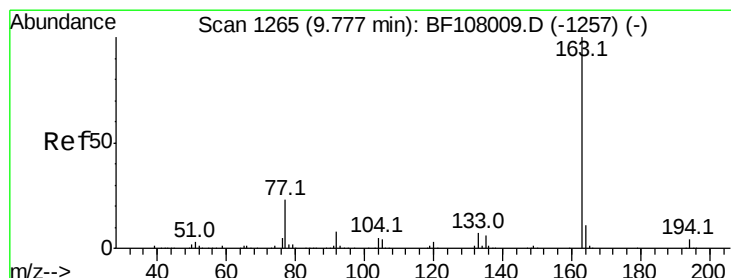
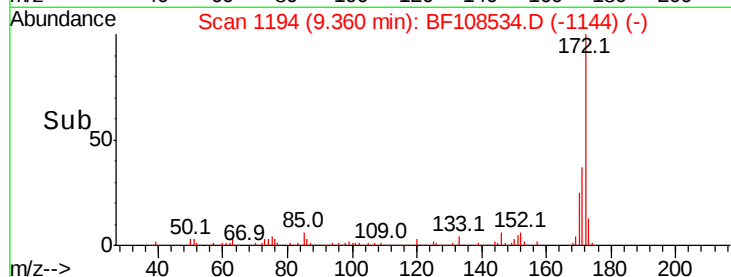
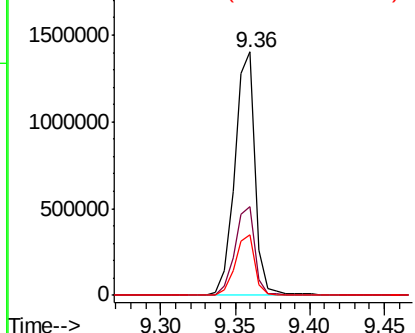
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1346708

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.8	19.6	29.4



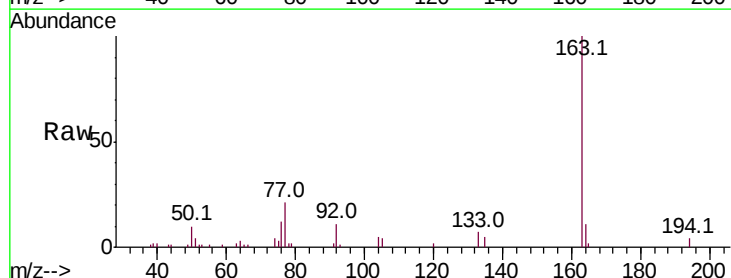
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



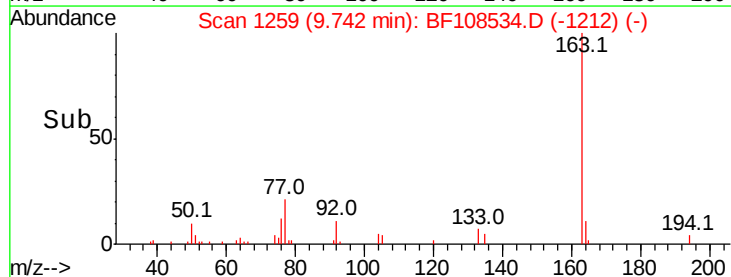
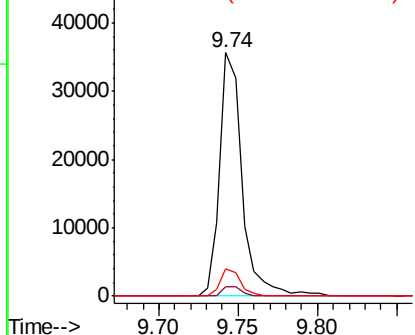
#49
 Dimethylphthalate
 Concen: 3.046 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

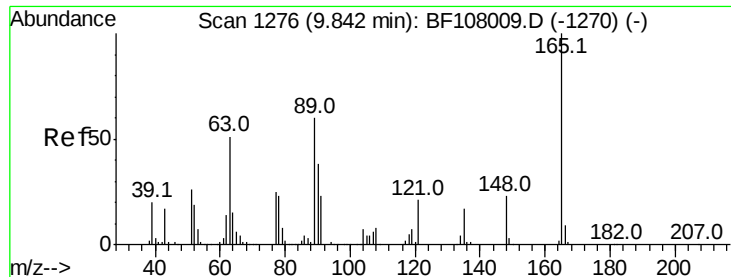
Tgt Ion:163 Resp: 35118

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	11.1	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

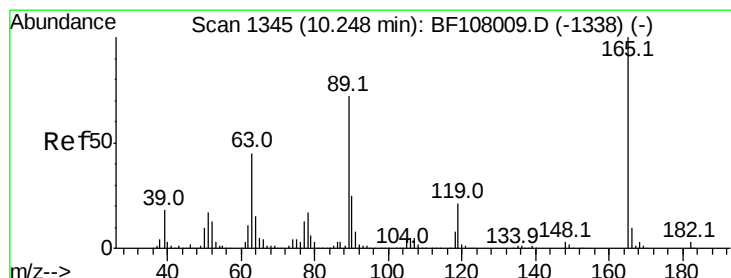
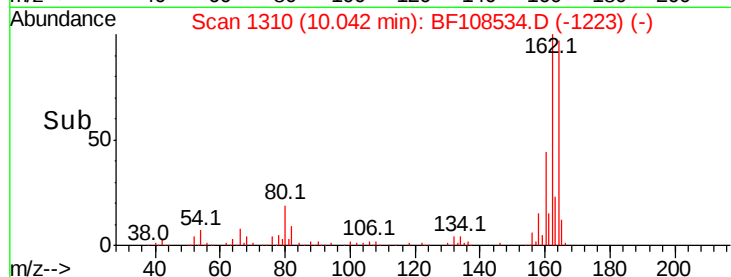
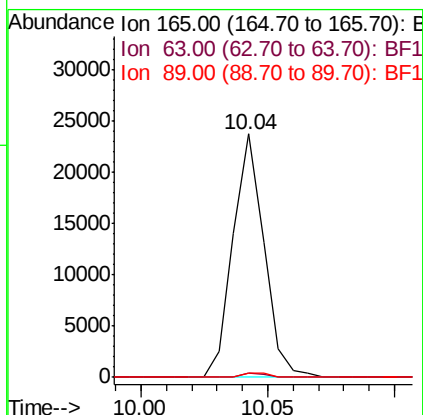
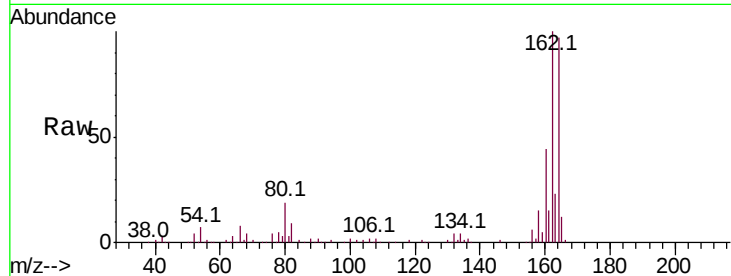




#50
 2,6-Dinitrotoluene
 Concen: 8.374 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

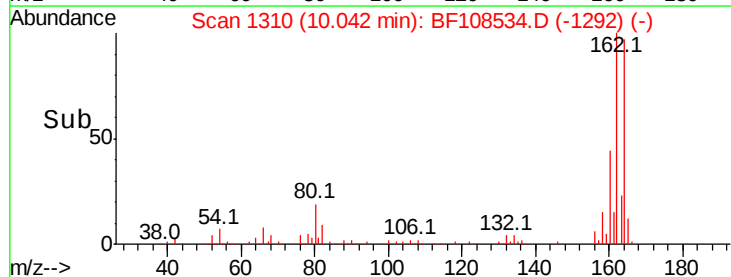
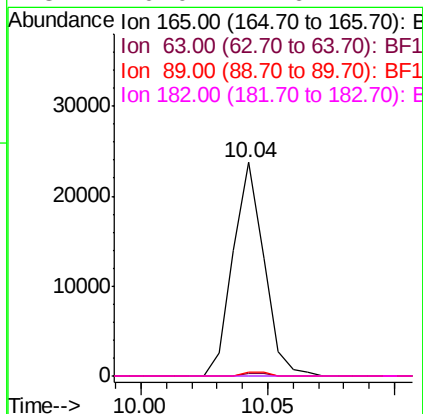
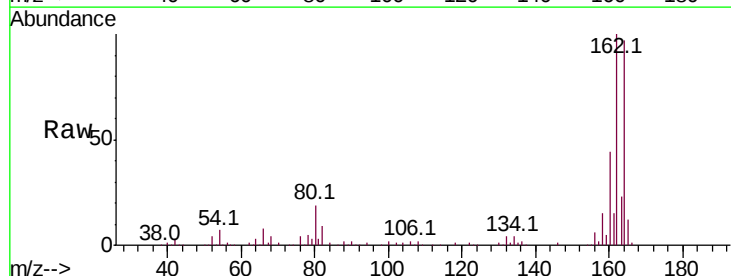
Instrument :
 BNA_F
 ClientSampleId :

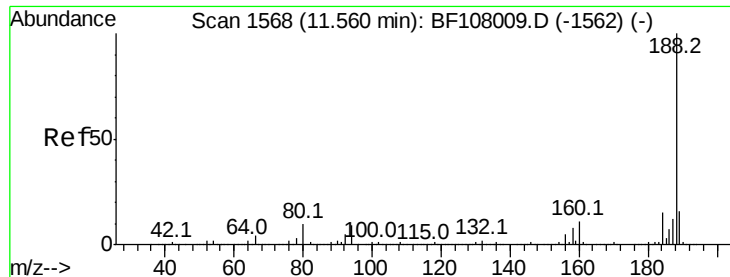
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.505 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

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

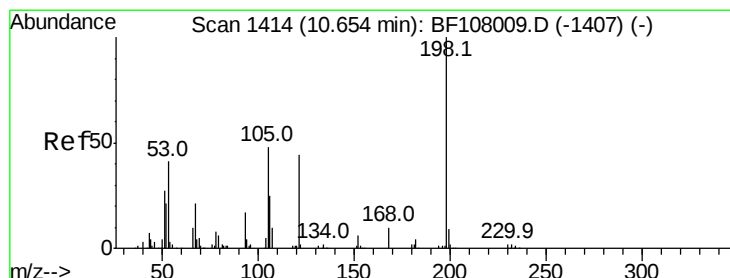
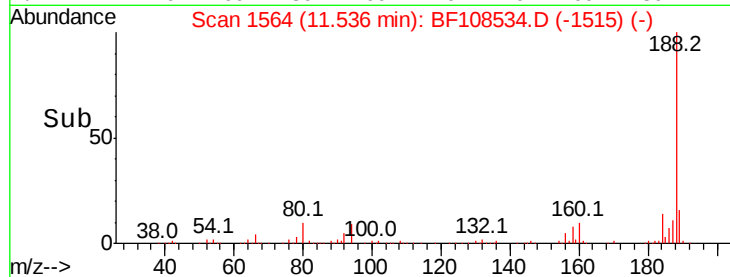
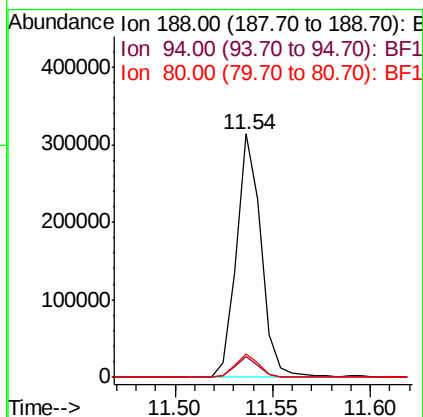
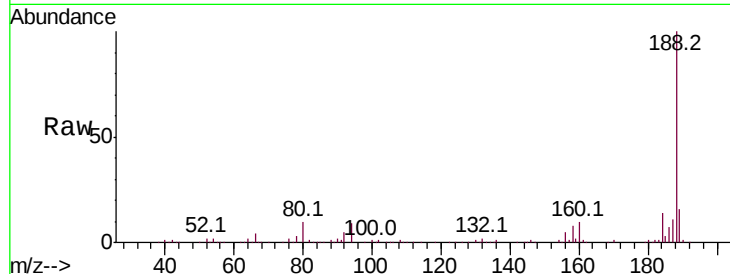




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

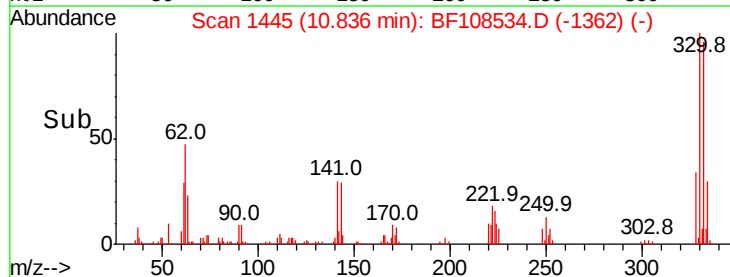
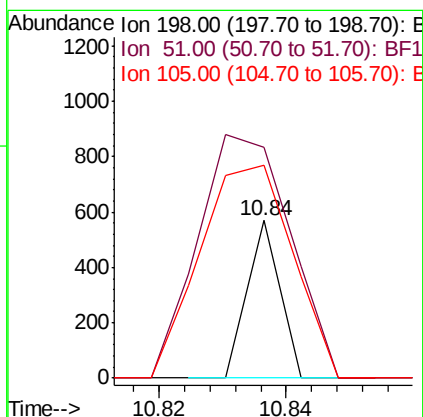
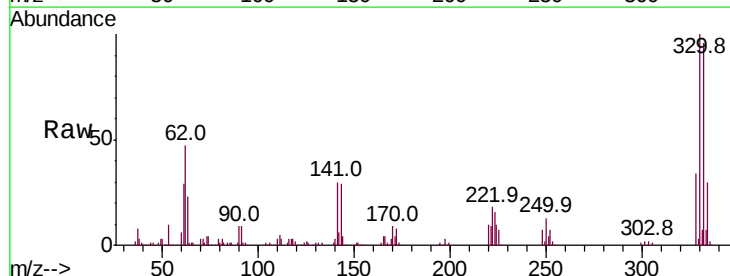
Instrument :
 BNA_F
 ClientSampleId :

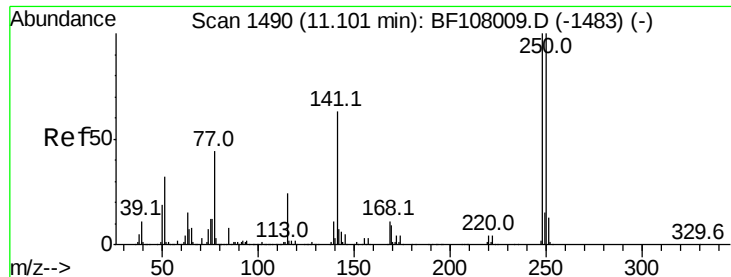
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.8	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.531 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108534.D
 Acq: 28 Aug 2018 2:48

Tgt Ion	Ratio	Lower	Upper
198	100		
51	146.2	37.7	77.7#
105	135.3	36.3	76.3#

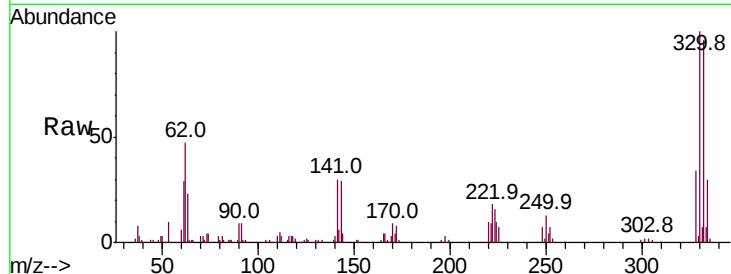




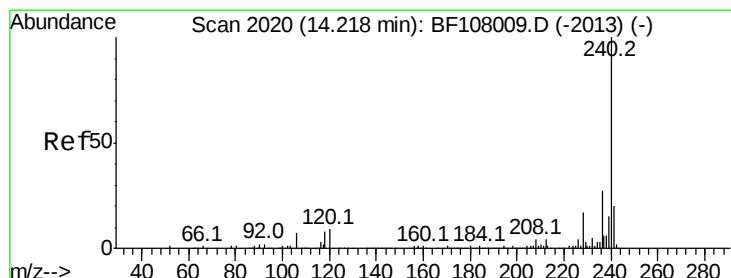
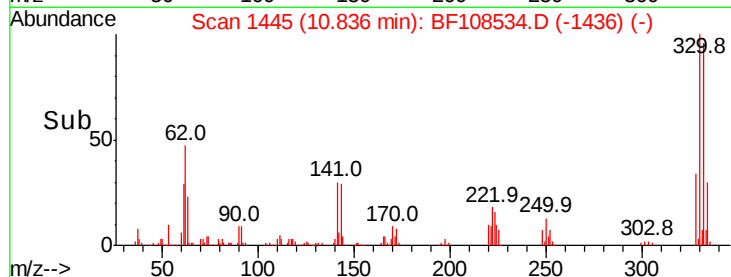
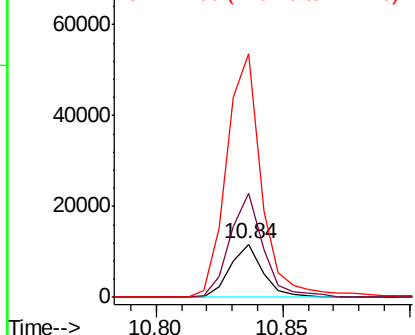
#66
4-Bromophenyl-phenylether
Concen: 3.536 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10576
Ion Ratio Lower Upper
248 100
250 196.5 76.9 115.3#
141 459.3 74.4 111.6#

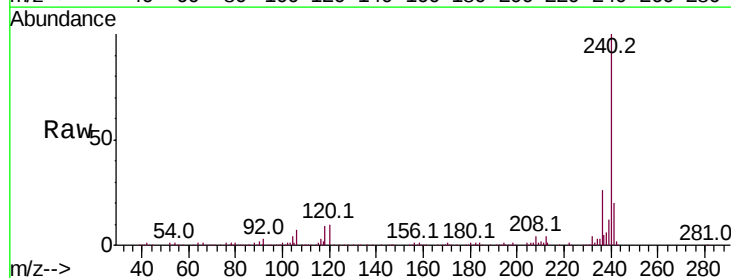


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

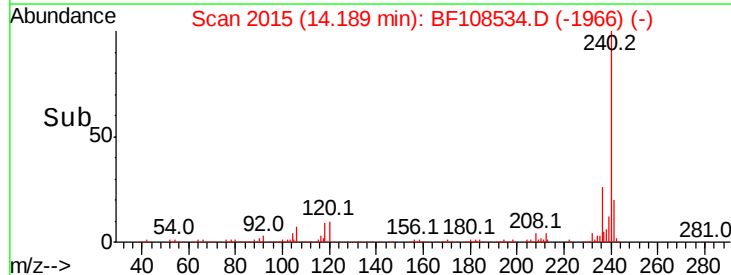
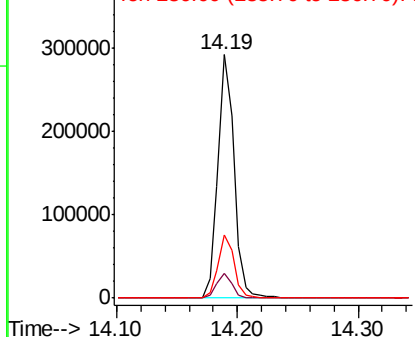


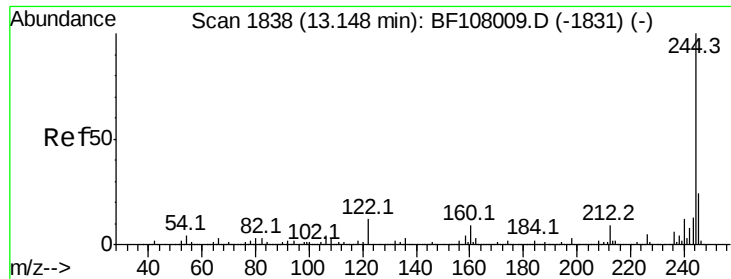
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108534.D
Acq: 28 Aug 2018 2:48

Tgt Ion:240 Resp: 268205
Ion Ratio Lower Upper
240 100
120 10.1 9.5 14.3
236 25.8 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: 105.197 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108534.D

Acq: 28 Aug 2018 2:48

Instrument :

BNA_F

ClientSampleId :

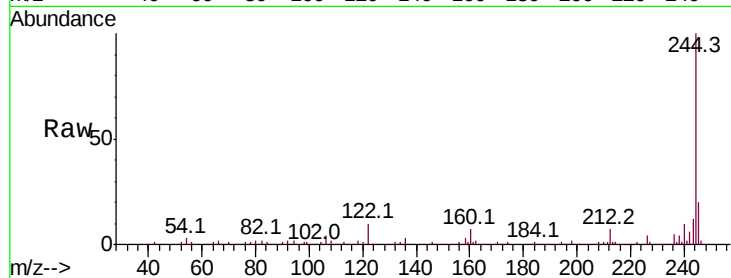
Tot Ion:244 Resp: 1109675

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

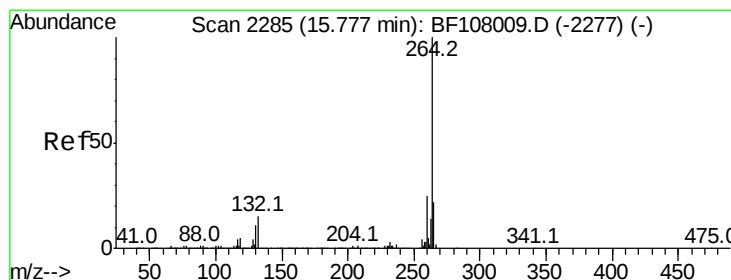
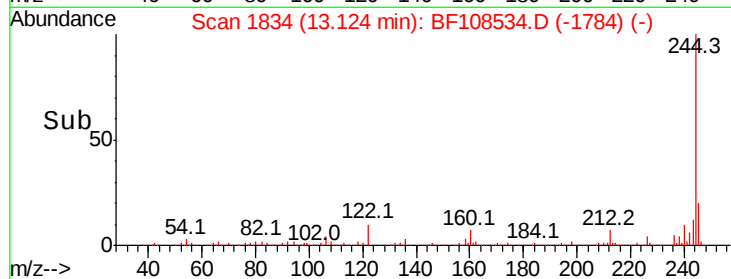
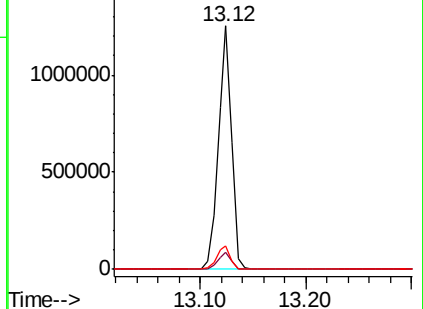
122 9.7 11.0 16.4#



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: 15.74 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF108534.D

Acq: 28 Aug 2018 2:48

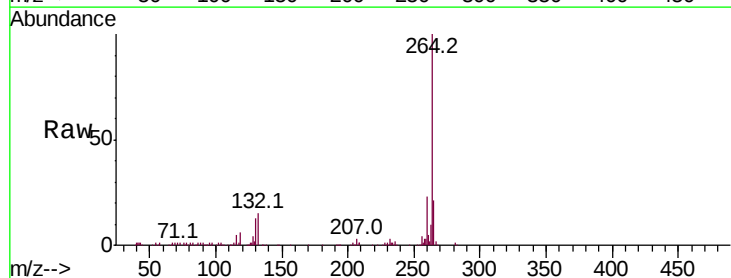
Tgt Ion:264 Resp: 188485

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

