

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109534.D
 Acq On : 3 Oct 2018 6:41
 Operator : JU/SJ
 Sample : J5187-13
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:12:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

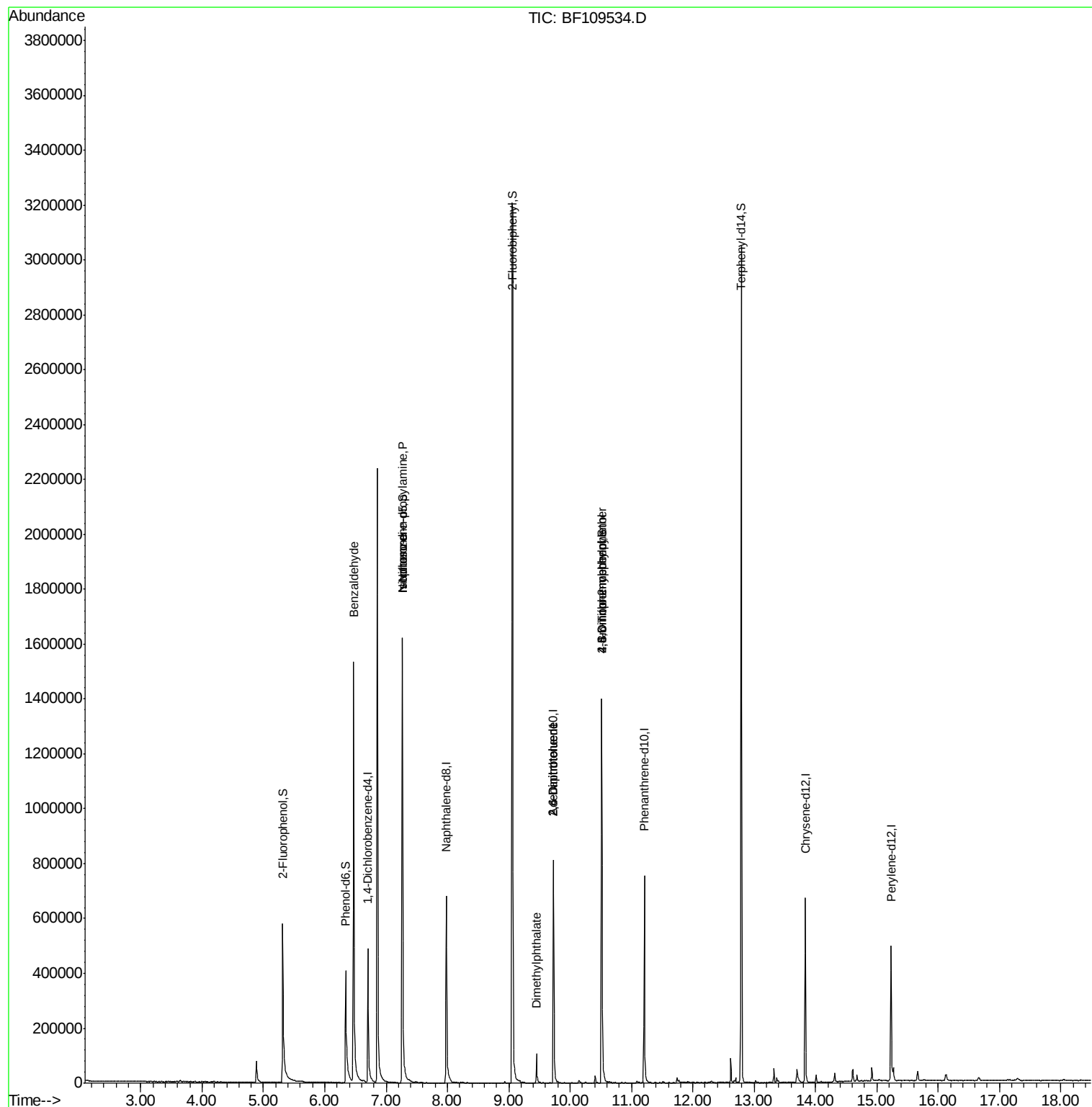
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	100485	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	379282	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	176377	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	323977	20.00	ng	0.00
75) Chrysene-d12	13.83	240	243205	20.00	ng	-0.01
86) Perylene-d12	15.23	264	243526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	255012	41.80	ng	0.00
7) Phenol-d6	6.34	99	208754	26.82	ng	-0.02
23) Nitrobenzene-d5	7.27	82	701619	109.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	185400	106.63	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1231415	105.30	ng	-0.01
78) Terphenyl-d14	12.79	244	1093708	110.37	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.47	77	11390	2.278	ng	# 67
19) n-Nitroso-di-n-propylamine	7.27	70	94163	18.459	ng	# 75
25) Isophorone	7.27	82	687320	59.406	ng	# 64
49) Dimethylphthalate	9.45	163	58117	4.530	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	22453	8.837	ng	# 26
56) 2,4-Dinitrotoluene	9.73	165	22453	6.984	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	266	6.697	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10900	3.030	ng	# 1

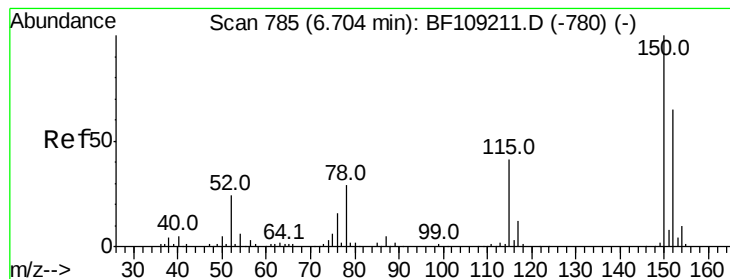
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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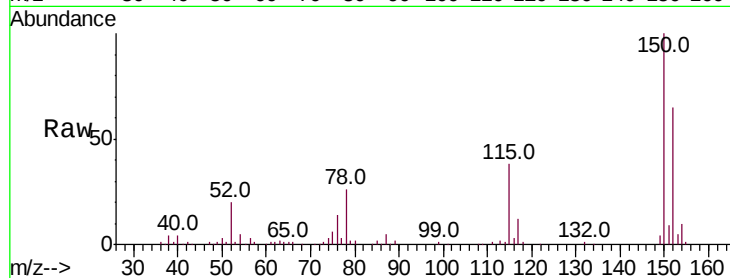


#1

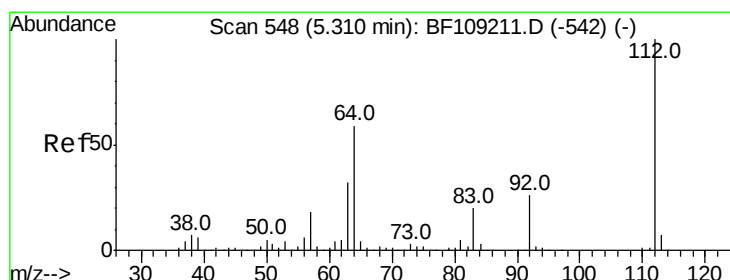
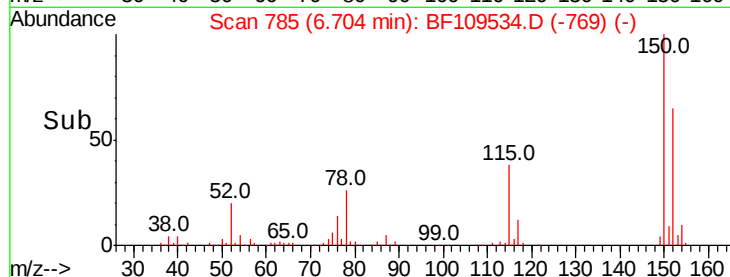
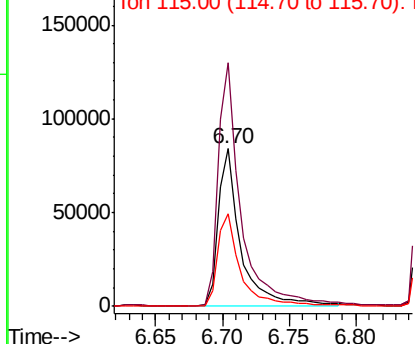
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100485
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.2 50.1 75.1



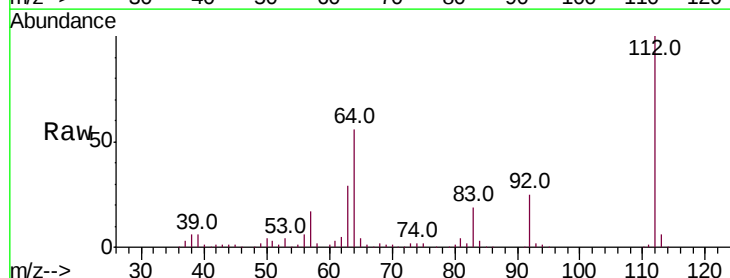
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



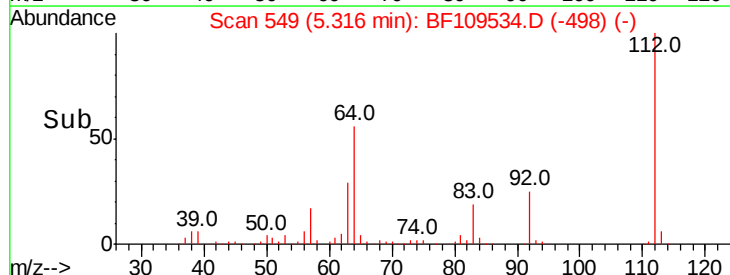
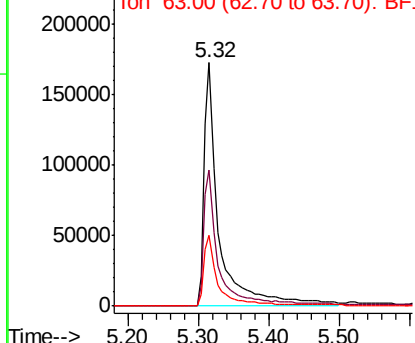
#5

2-Fluorophenol
Concen: 41.800 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Tgt Ion:112 Resp: 255012
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 29.3 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: 26.815 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

Instrument :

BNA_F

ClientSampleId :

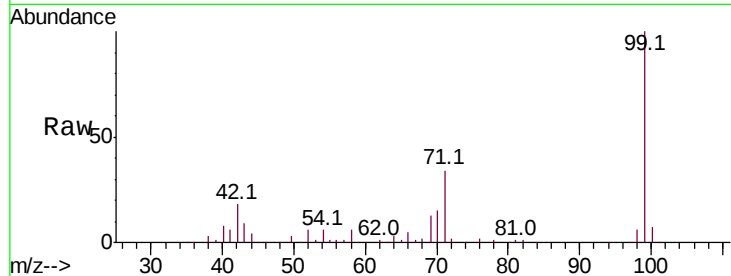
Tot Ion: 99 Resp: 208754

Ion Ratio Lower Upper

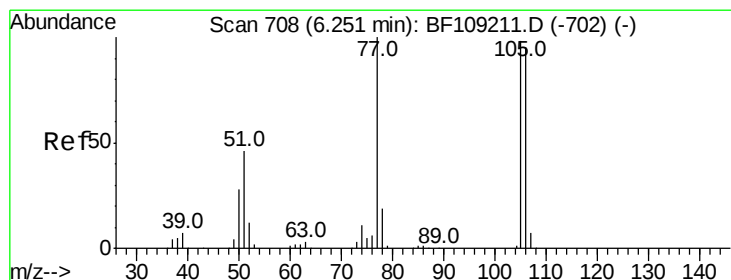
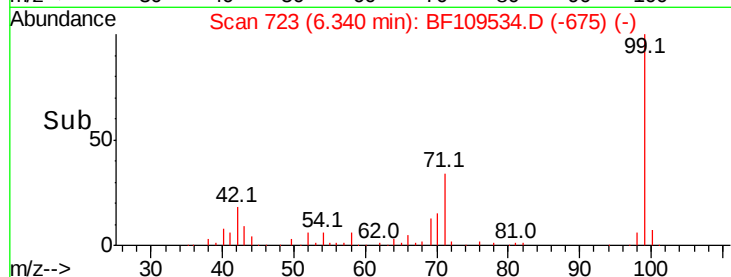
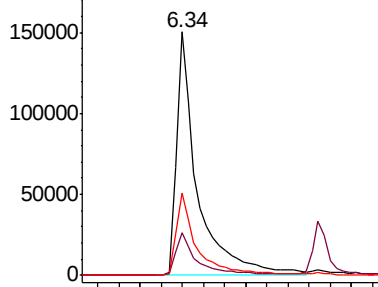
99 100

42 17.7 14.5 21.7

71 33.6 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



#9

Benzaldehyde

Concen: 2.278 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

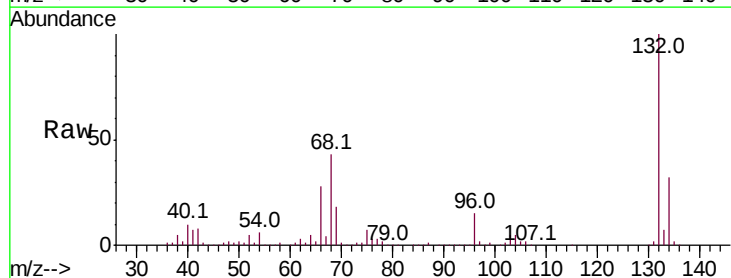
Tgt Ion: 77 Resp: 11390

Ion Ratio Lower Upper

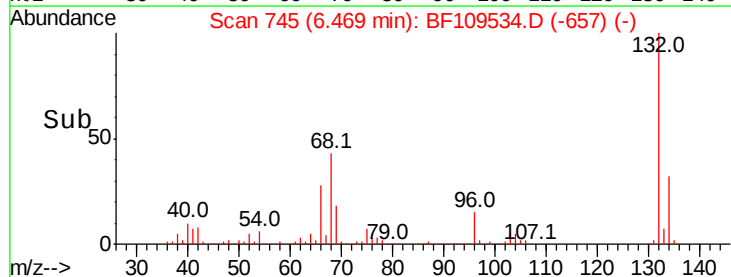
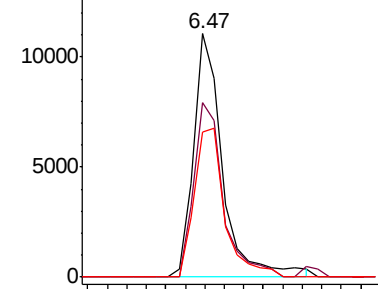
77 100

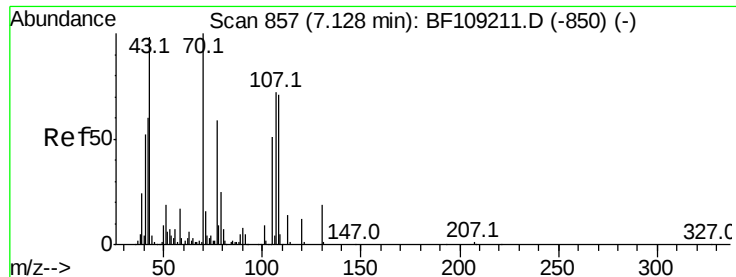
105 71.5 81.1 121.1#

106 59.3 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

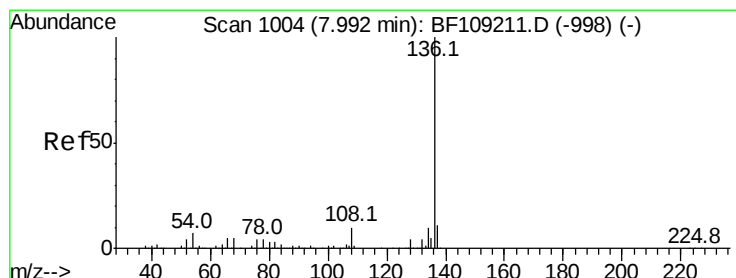
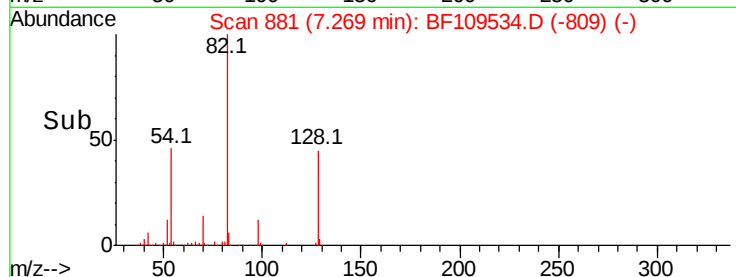
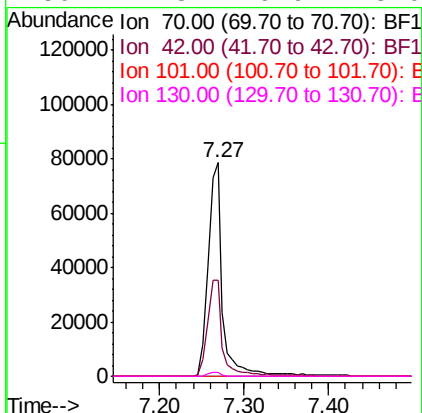
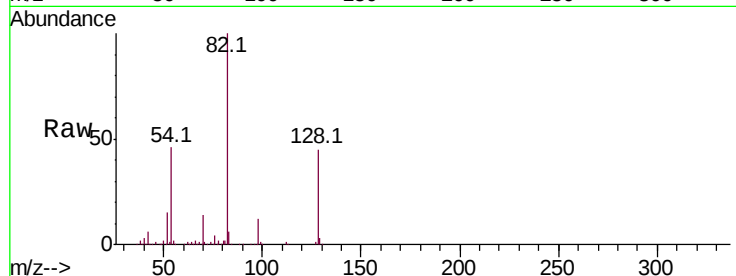




#19
n-Nitroso-di-n-propylamine
Concen: 18.459 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

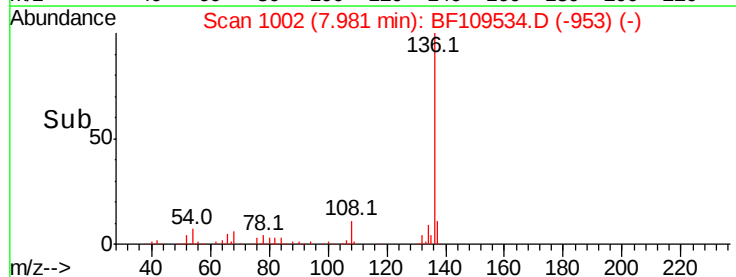
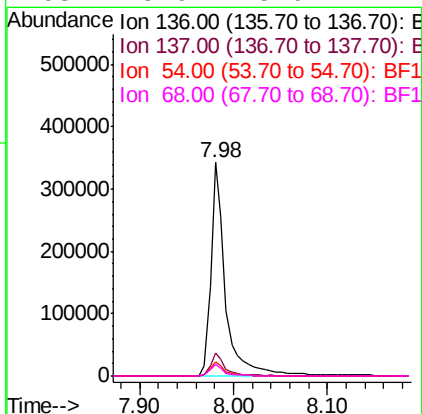
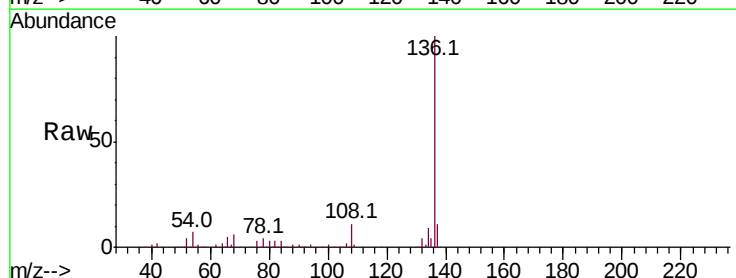
Instrument :
BNA_F
ClientSampleId :

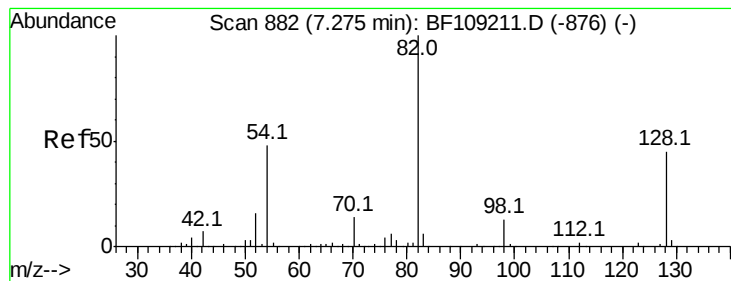
Tot Ion: 70 Resp: 94163
Ion Ratio Lower Upper
70 100
42 45.0 47.5 71.3#
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Tgt Ion:136 Resp: 379282
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.9 6.6 9.8
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 109.200 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

Instrument :

BNA_F

ClientSampled :

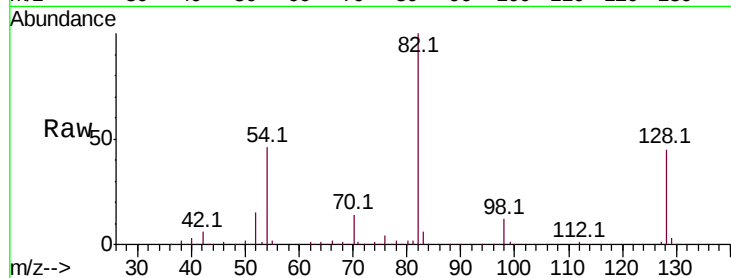
Tot Ion: 82 Resp: 701619

Ion Ratio Lower Upper

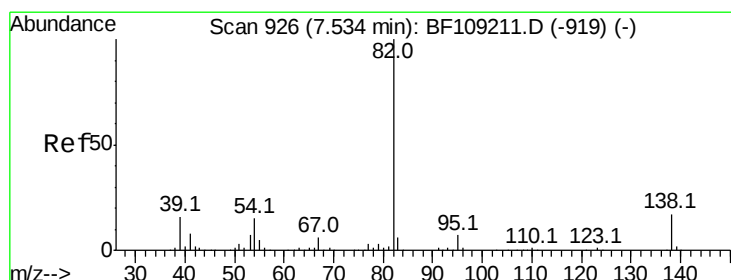
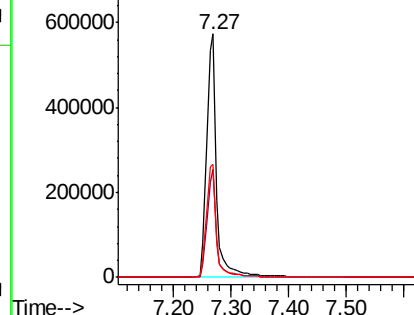
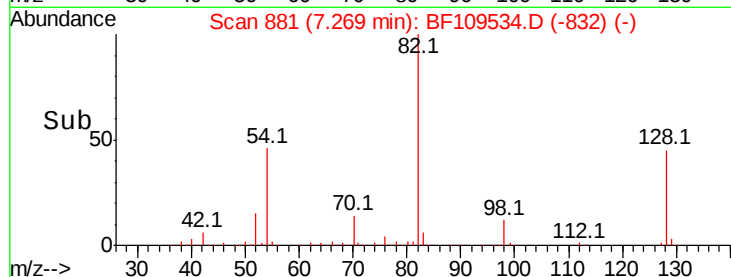
82 100

128 44.5 36.1 54.1

54 46.3 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: 59.406 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

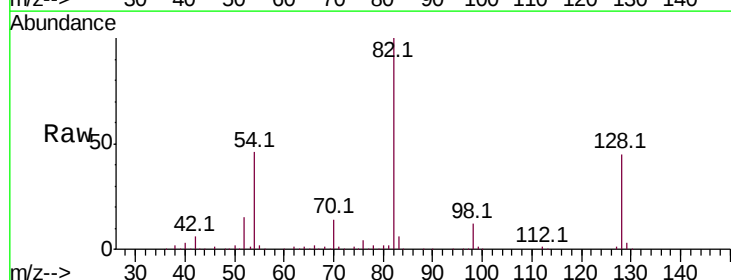
Tgt Ion: 82 Resp: 687320

Ion Ratio Lower Upper

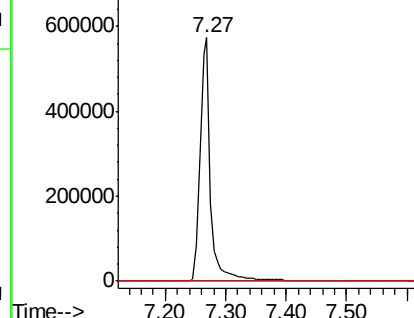
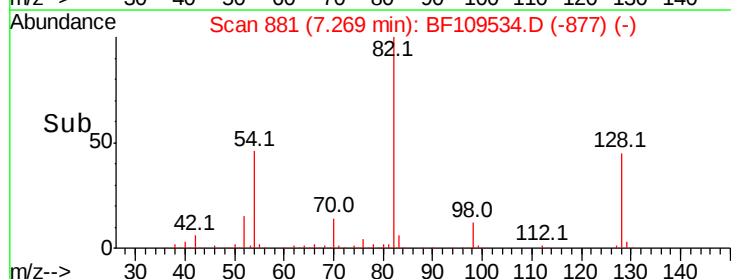
82 100

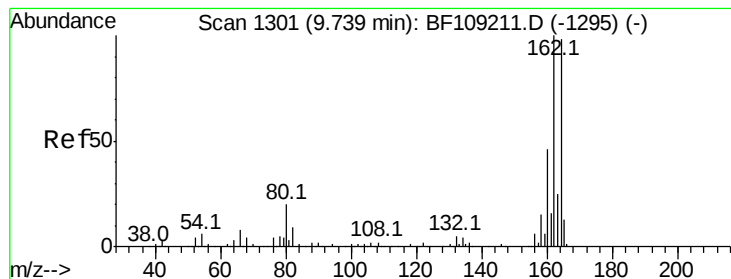
95 0.0 5.2 7.8#

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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

Instrument :

BNA_F

ClientSampled :

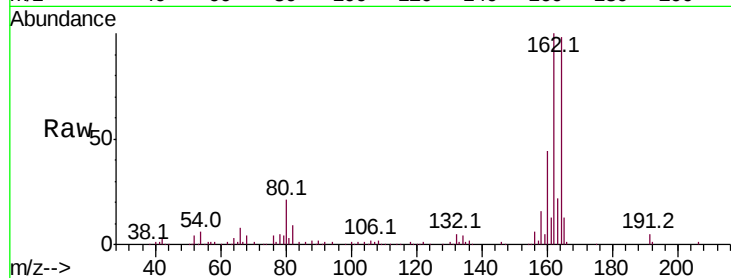
Tot Ion:164 Resp: 176377

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

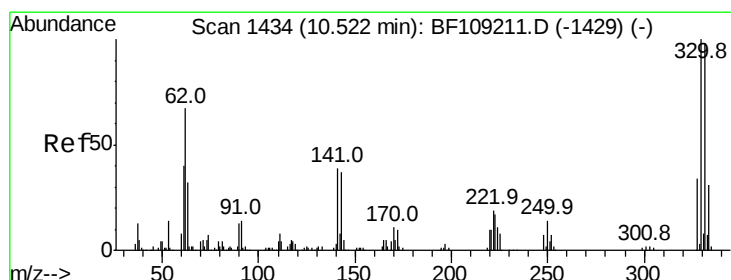
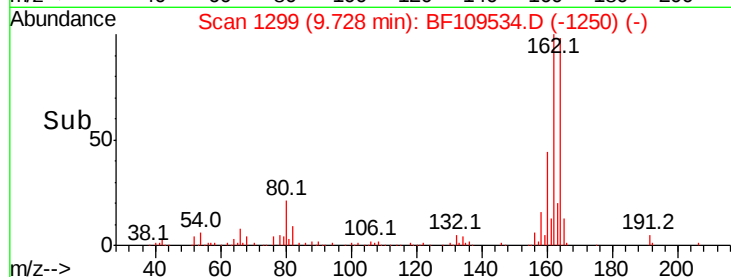
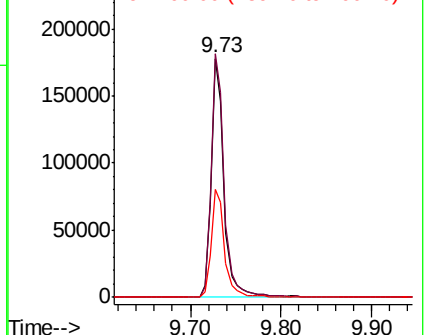
160 45.4 38.3 57.5



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: 106.631 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109534.D

Acq: 3 Oct 2018 6:41

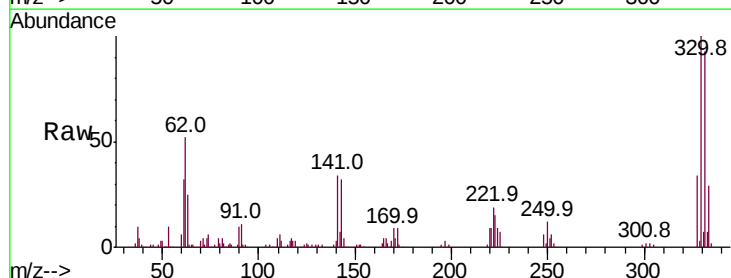
Tgt Ion:330 Resp: 185400

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

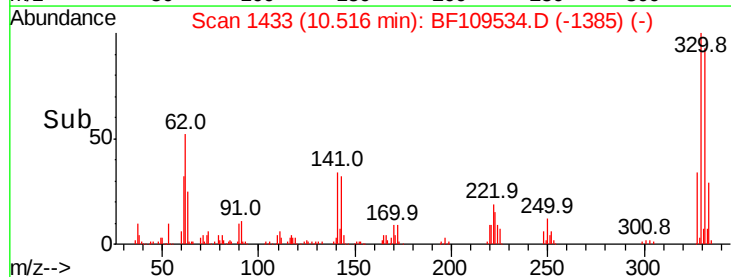
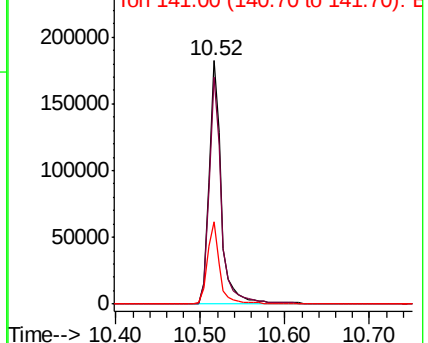
141 33.3 29.9 44.9

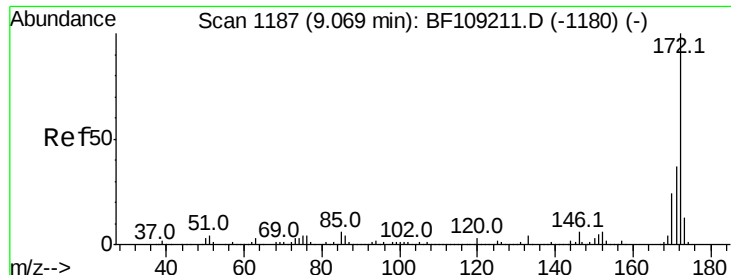


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

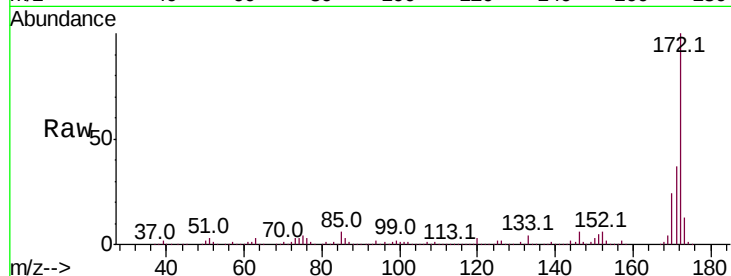




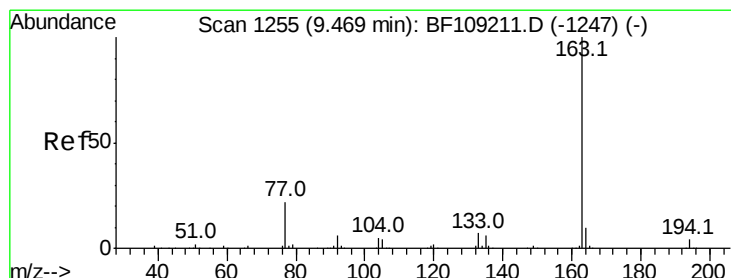
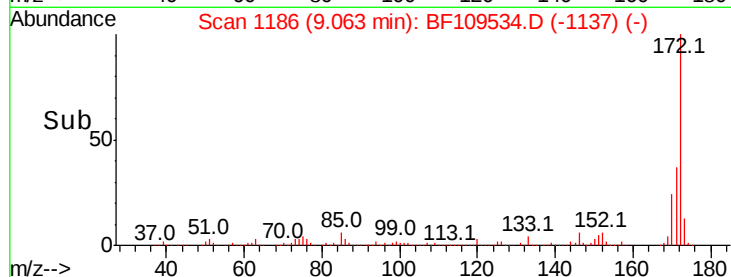
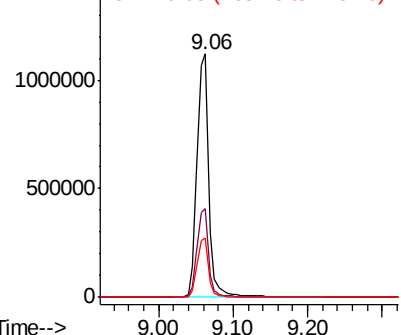
#44
2-Fluorobiphenyl
Concen: 105.298 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1231415
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.5 19.6 29.4

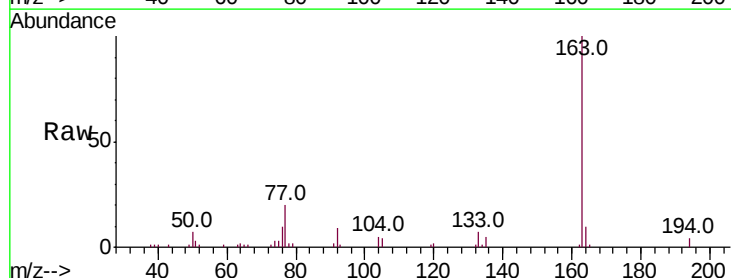


Abundance Ion 172.00 (171.70 to 172.70): E
1500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

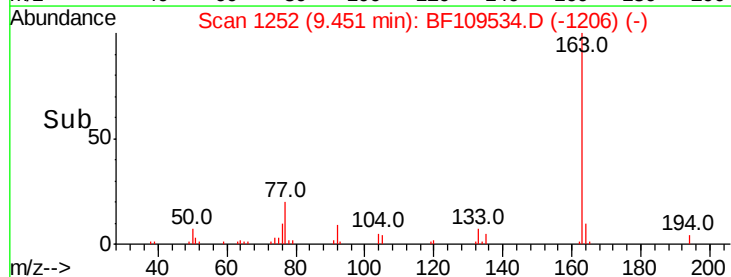
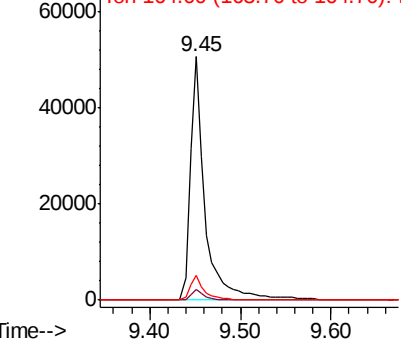


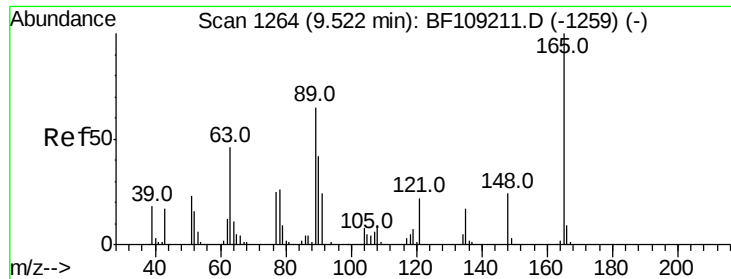
#49
Dimethylphthalate
Concen: 4.530 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Tgt Ion:163 Resp: 58117
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.9 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

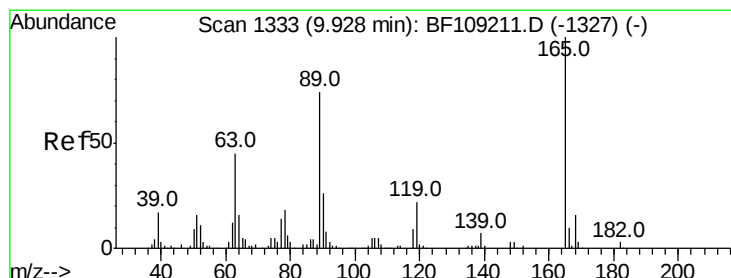
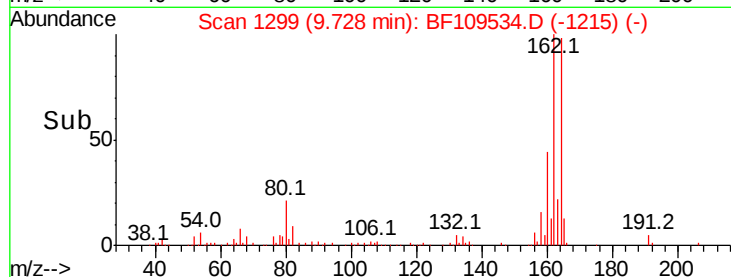
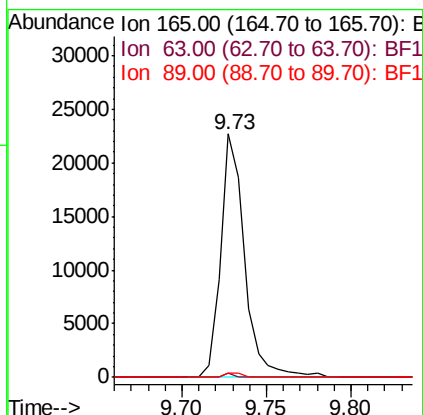
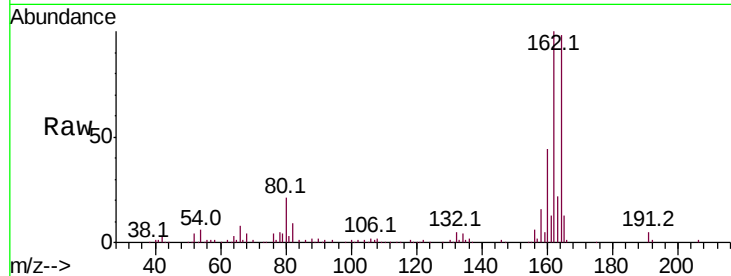




#50
 2,6-Dinitrotoluene
 Concen: 8.837 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

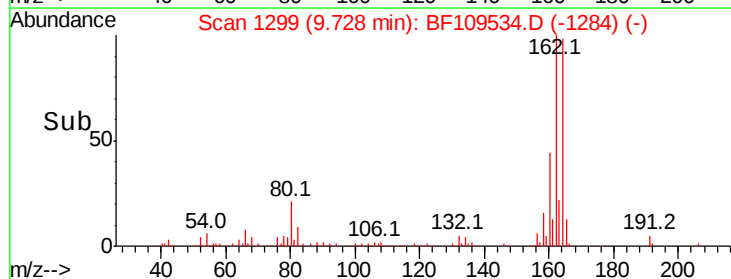
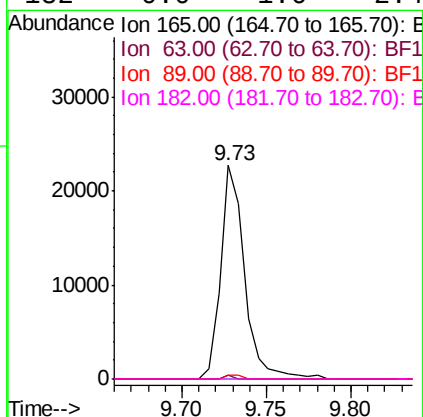
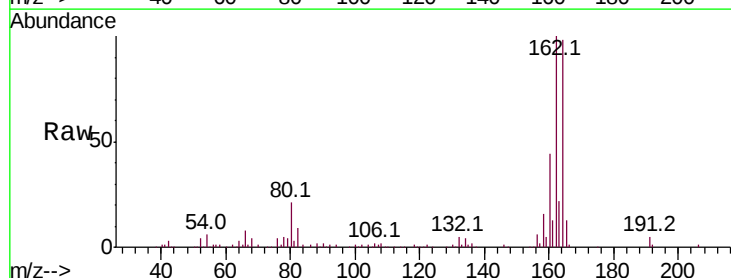
Instrument :
 BNA_F
 ClientSampleId :

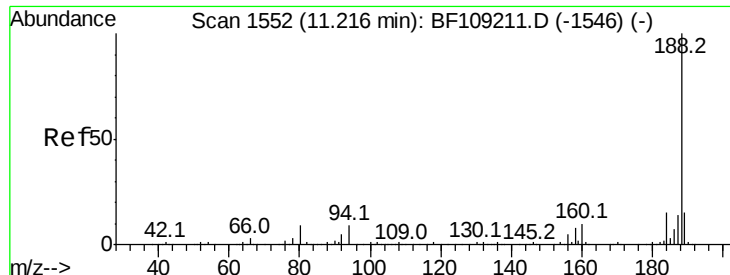
Tot Ion:165 Resp: 22453
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.6 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.984 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

Tgt Ion:165 Resp: 22453
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

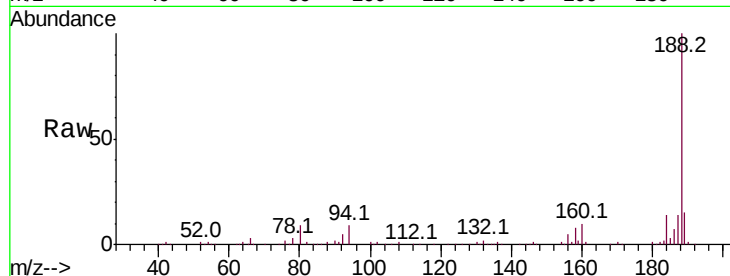




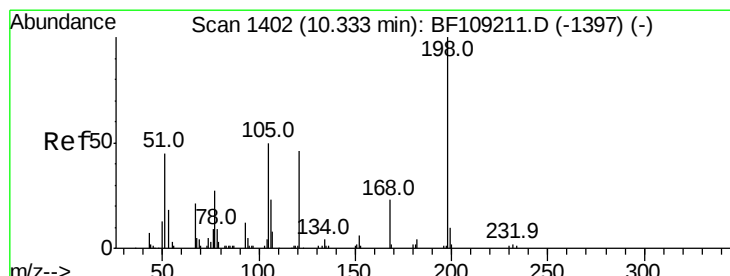
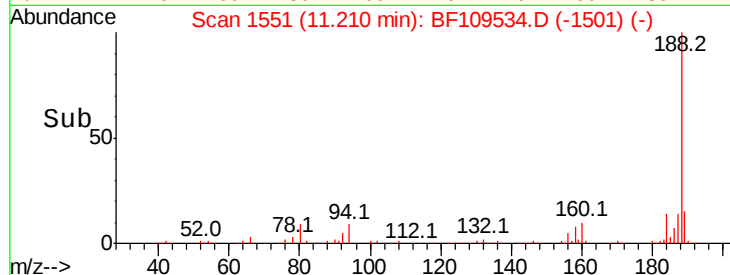
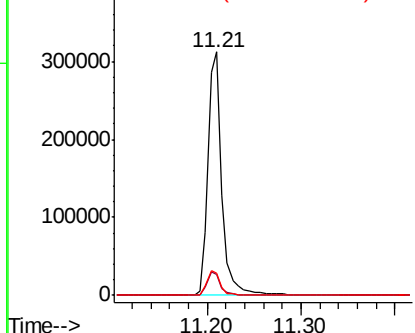
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 323977
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.1 9.2 13.8#

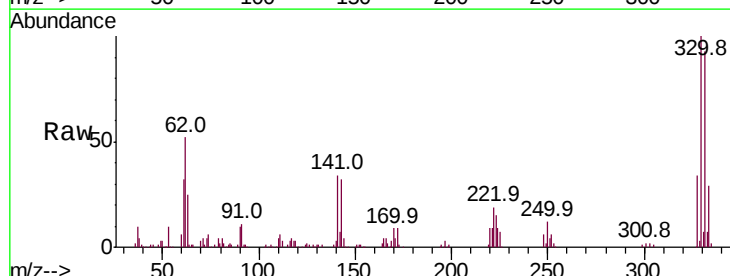


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

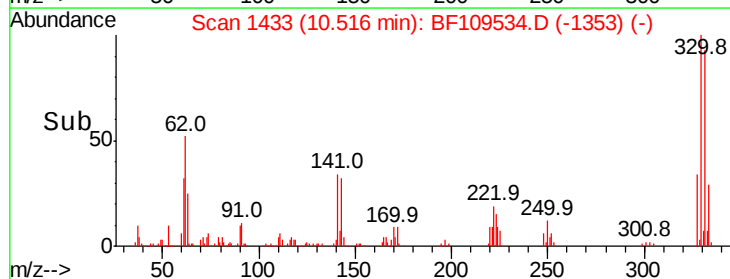
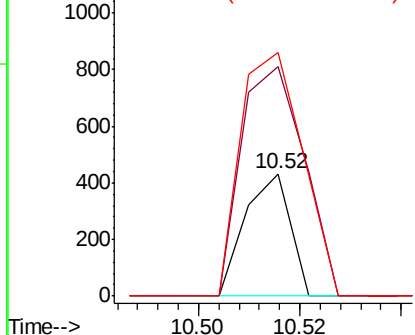


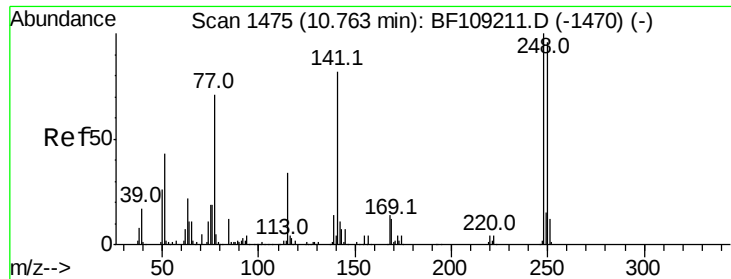
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.697 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

Tgt Ion:198 Resp: 266
 Ion Ratio Lower Upper
 198 100
 51 188.2 37.7 77.7#
 105 199.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

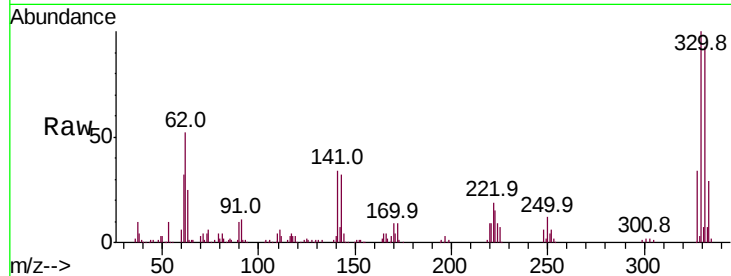




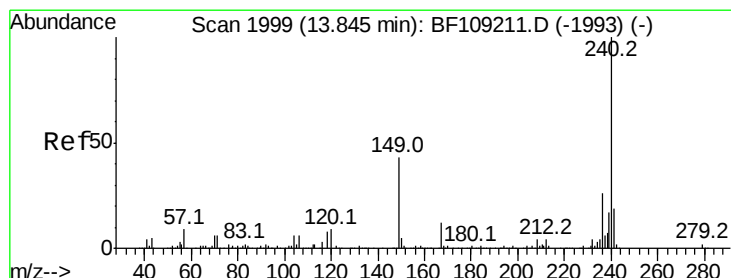
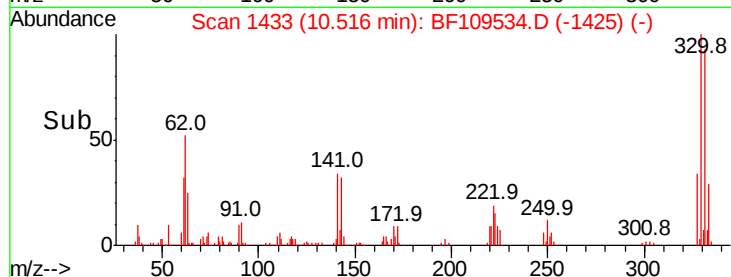
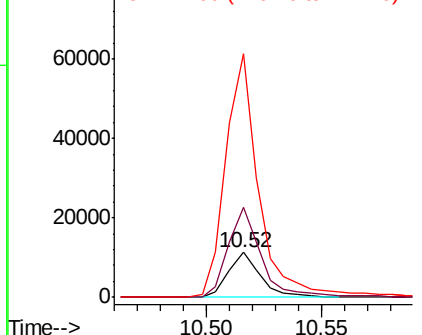
#66
4-Bromophenyl-phenylether
Concen: 3.030 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10900
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 540.9 74.4 111.6#

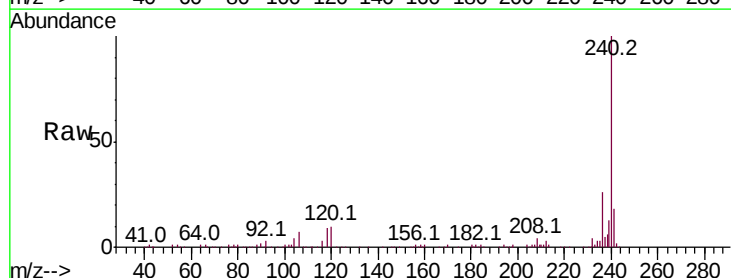


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

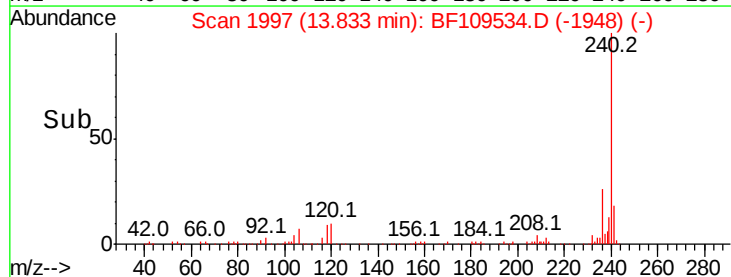
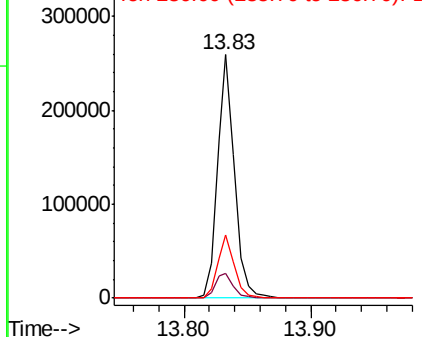


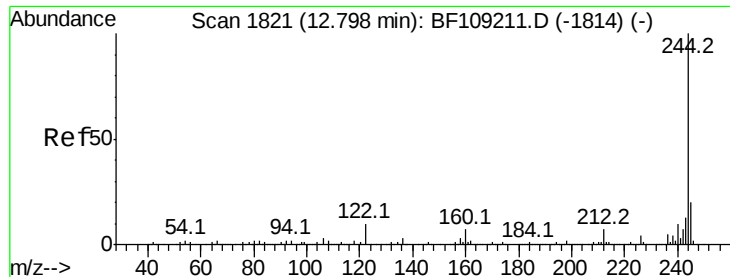
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109534.D
Acq: 3 Oct 2018 6:41

Tgt Ion:240 Resp: 243205
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 25.7 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

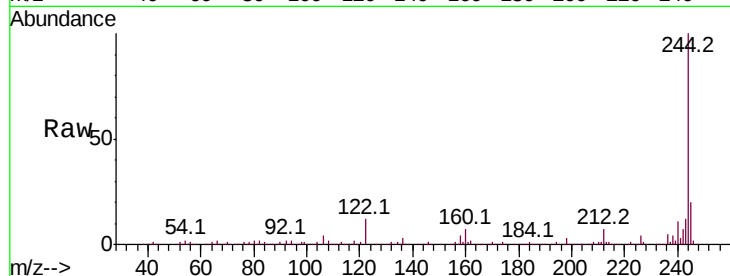




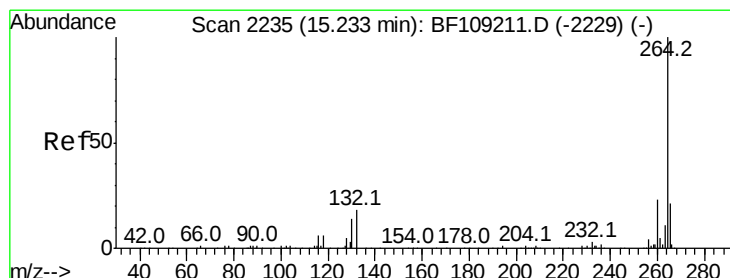
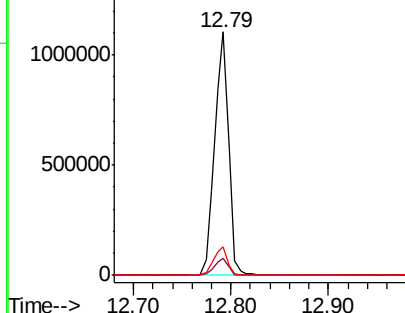
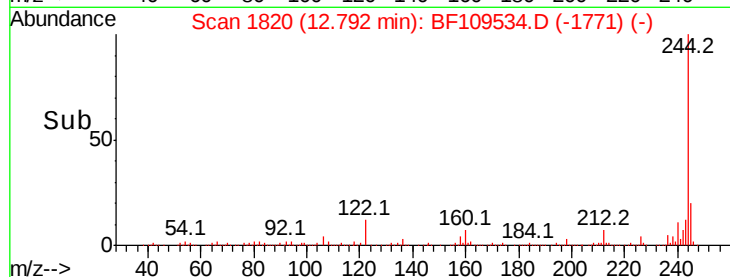
#78
 Terphenyl-d14
 Concen: 110.365 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1093708
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.5 11.0 16.4

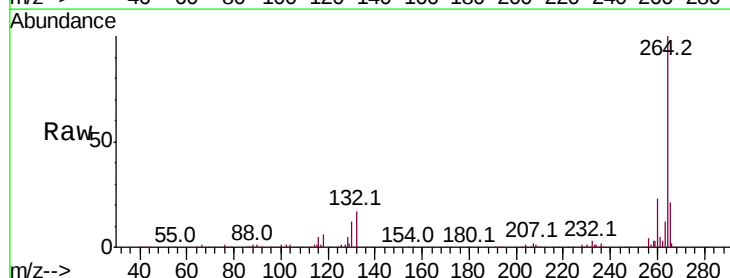


Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF109534.D
 Acq: 3 Oct 2018 6:41

Tgt Ion:264 Resp: 243526
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 250000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

