

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\
 Data File : BF108981.D
 Acq On : 13 Sep 2018 22:52
 Operator : JU/SJ
 Sample : J4875-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 01:58:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

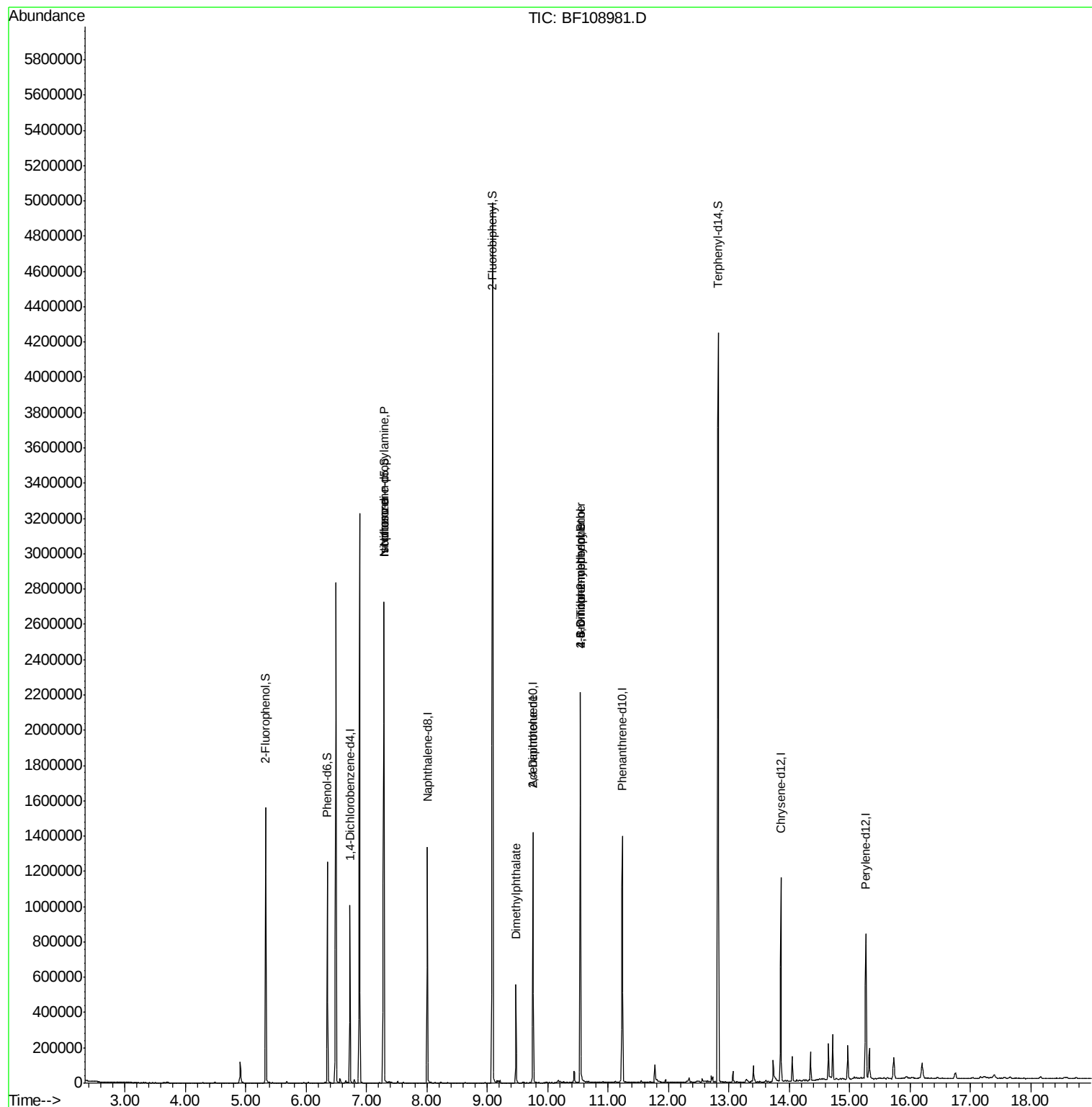
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146302	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	550330	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	260362	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	493265	20.00	ng	0.00
75) Chrysene-d12	13.86	240	357393	20.00	ng	0.00
86) Perylene-d12	15.27	264	375391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	425478	48.18	ng	0.00
7) Phenol-d6	6.35	99	358325	31.54	ng	-0.01
23) Nitrobenzene-d5	7.29	82	946122	107.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	268942	108.20	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1577781	103.38	ng	0.00
78) Terphenyl-d14	12.82	244	1534854	100.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	127212	16.106	ng	# 77
25) Isophorone	7.29	82	940740	53.631	ng	# 64
49) Dimethylphthalate	9.48	163	212473	11.668	ng	# 98
56) 2,4-Dinitrotoluene	9.76	165	32969	7.429	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	534	7.104	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	16004	2.873	ng	# 1

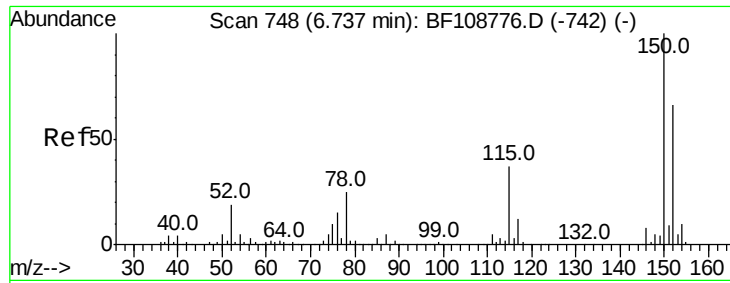
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 14 01:58:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

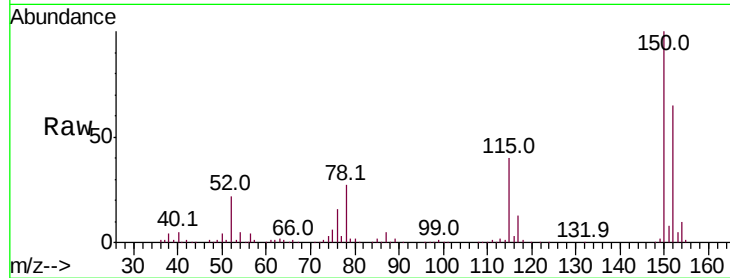
Tot Ion:152 Resp: 146302

Ion Ratio Lower Upper

152 100

150 153.6 124.6 186.8

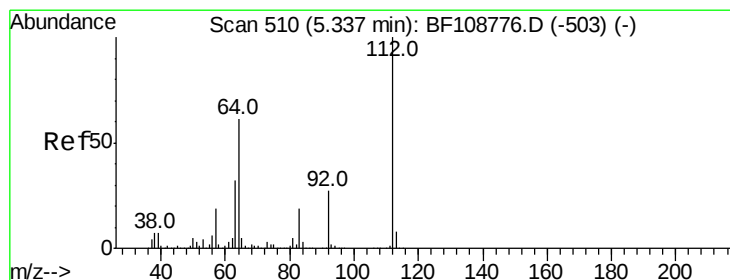
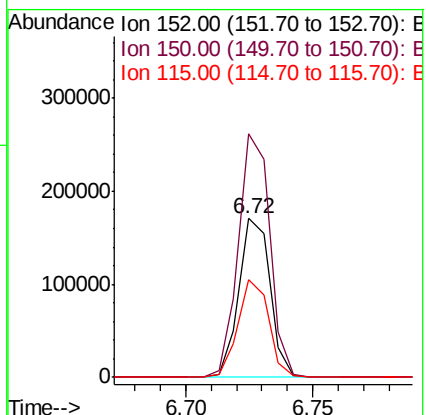
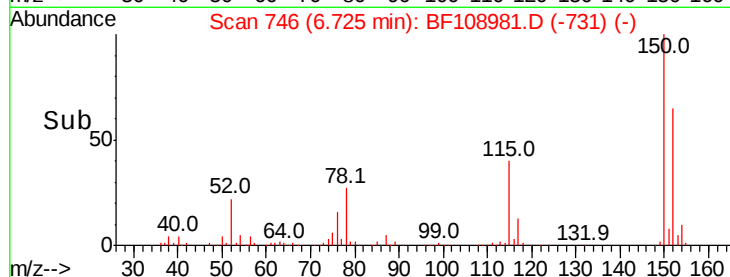
115 61.3 50.1 75.1



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: 48.179 ng

RT: 5.33 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

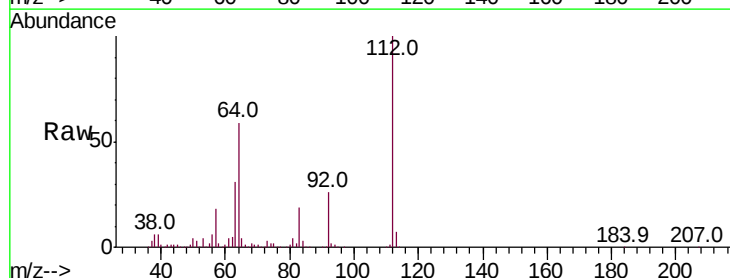
Tgt Ion:112 Resp: 425478

Ion Ratio Lower Upper

112 100

64 59.0 47.9 71.9

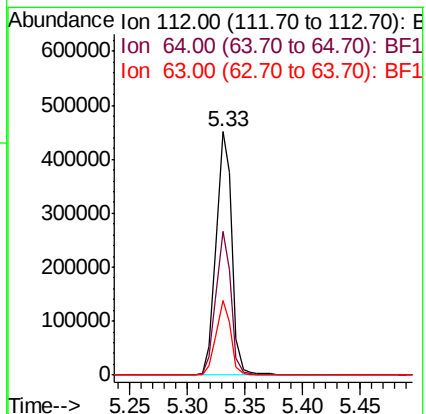
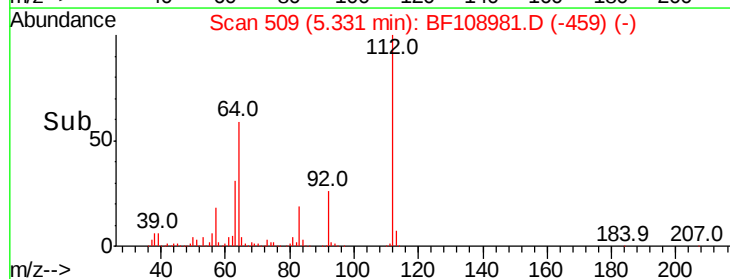
63 30.5 23.7 35.5

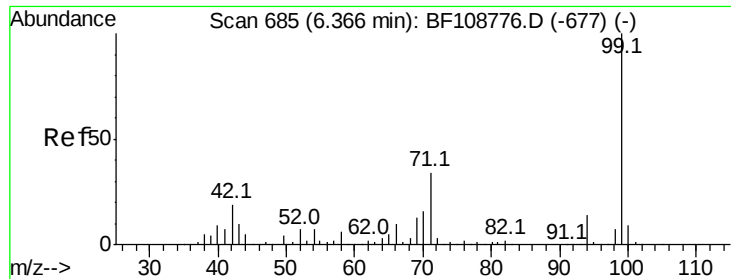


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 31.536 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

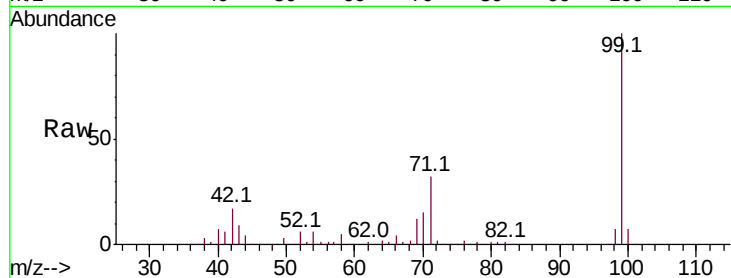
Tot Ion: 99 Resp: 358325

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

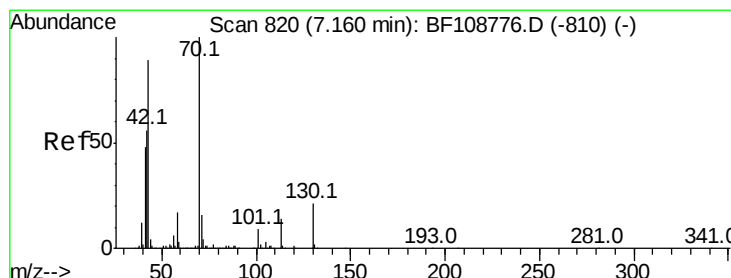
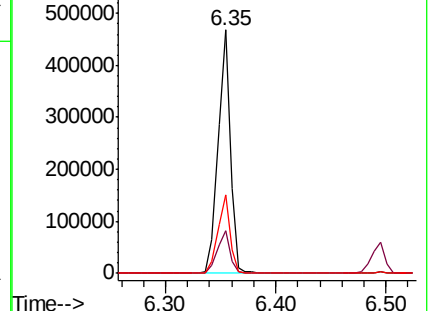
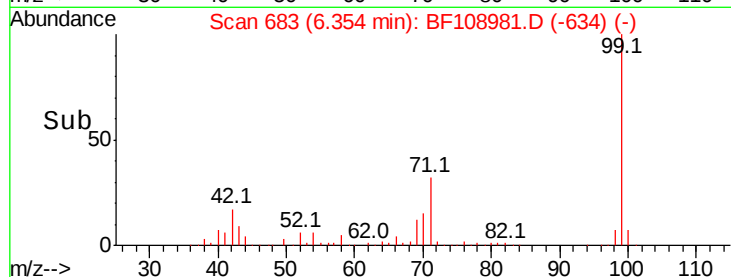
71 32.1 25.4 38.0



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: 16.106 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Tgt Ion: 70 Resp: 127212

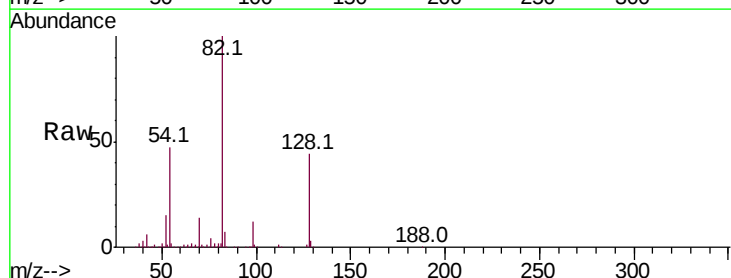
Ion Ratio Lower Upper

70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

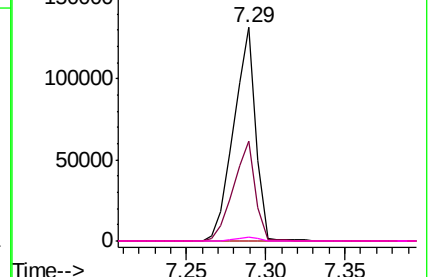
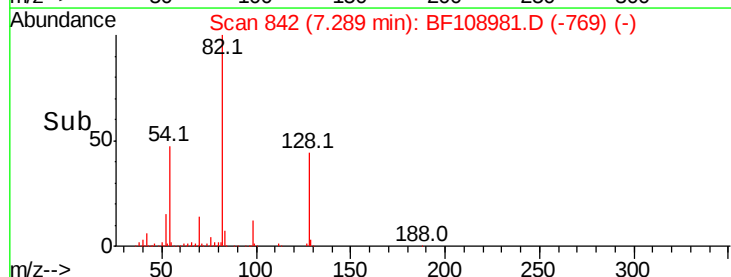


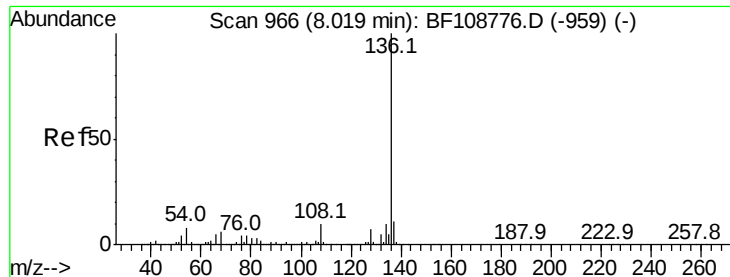
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.01 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 550330

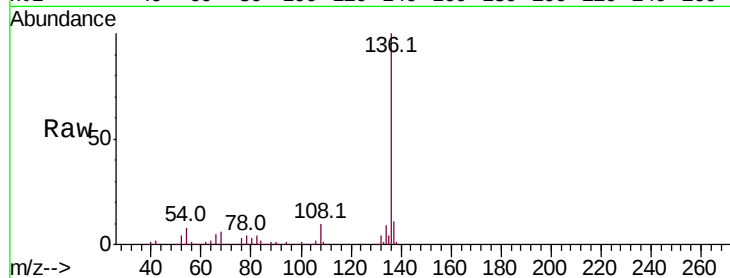
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.5 6.6 9.8

68 6.3 5.0 7.4

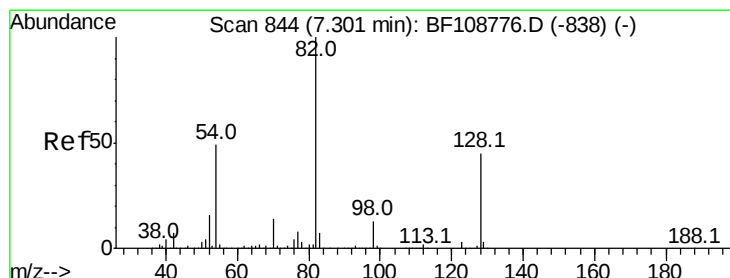
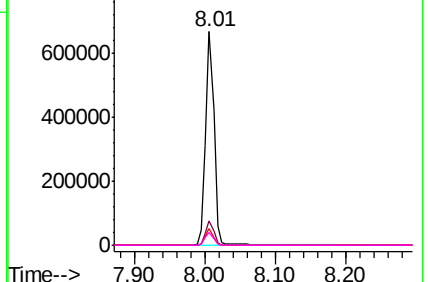
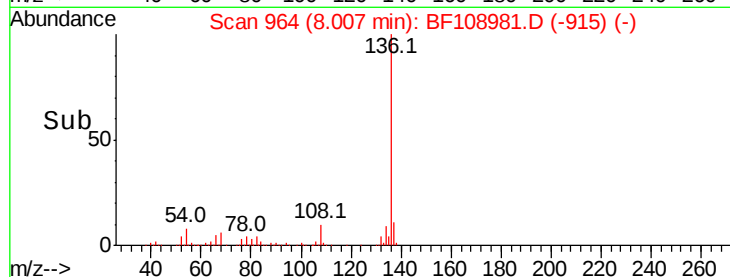


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.589 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

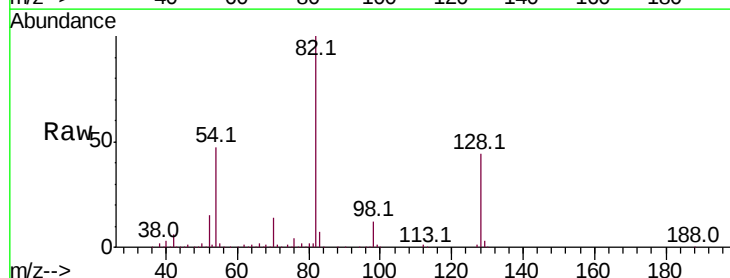
Tgt Ion: 82 Resp: 946122

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

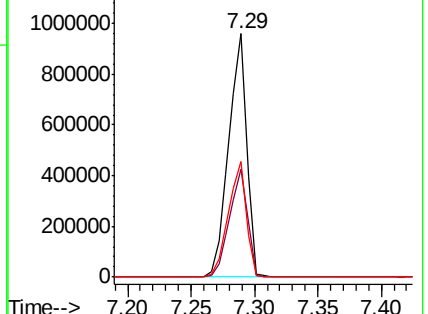
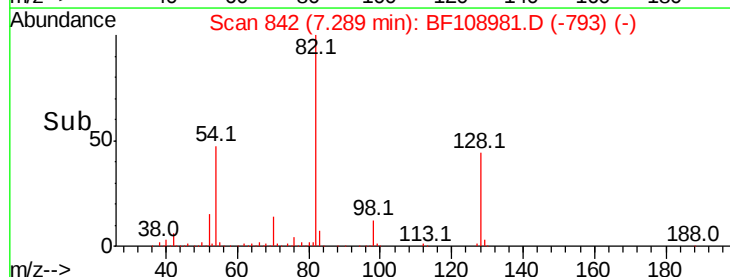
54 47.4 41.4 62.2

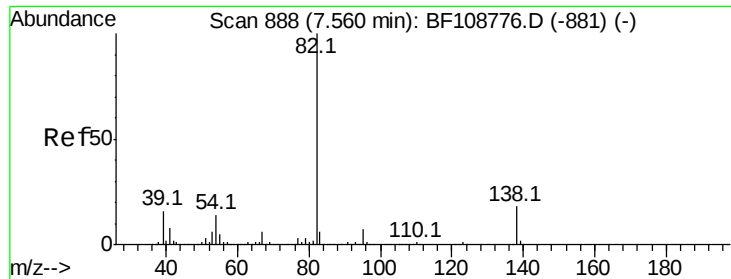


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.631 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

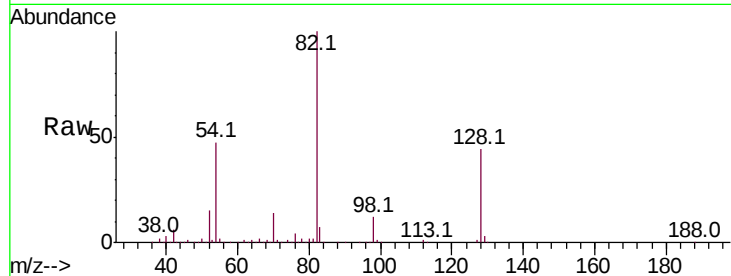
Tot Ion: 82 Resp: 940740

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

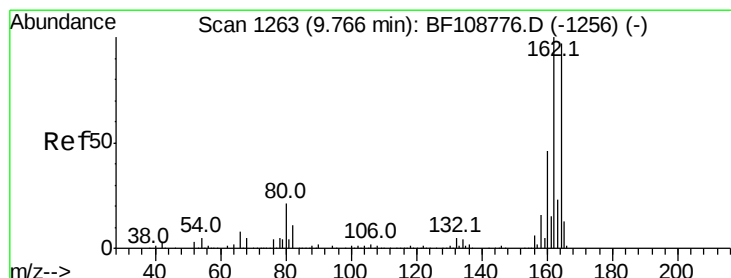
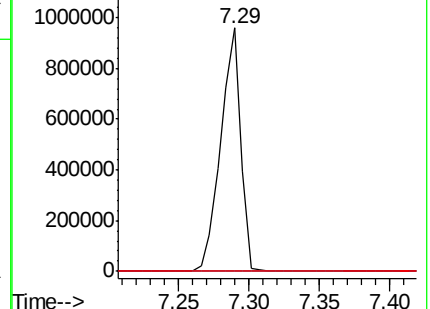
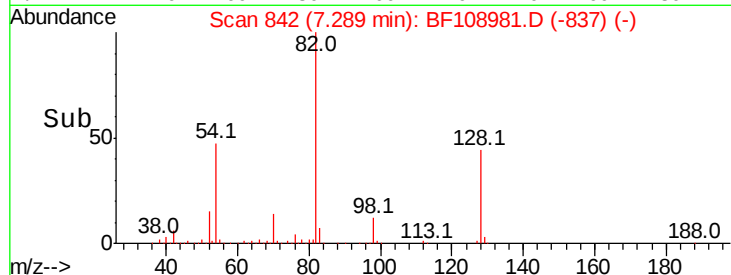
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

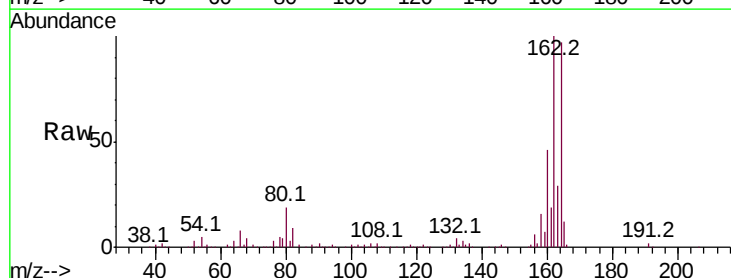
Tgt Ion:164 Resp: 260362

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

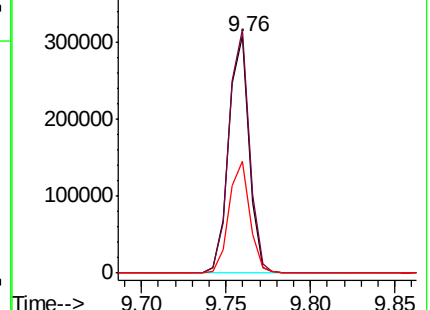
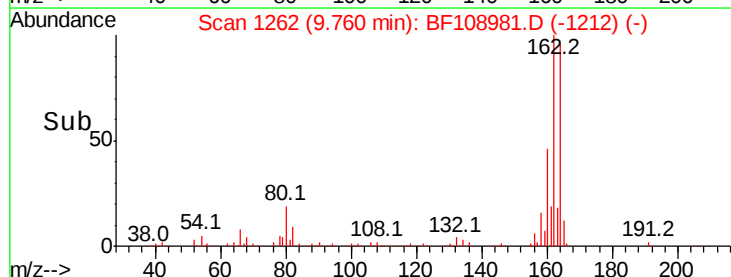
160 47.2 38.3 57.5

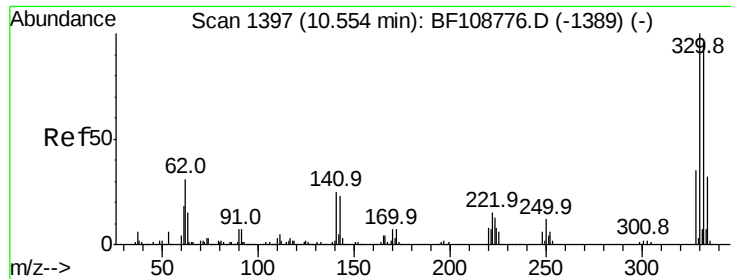


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 108.203 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

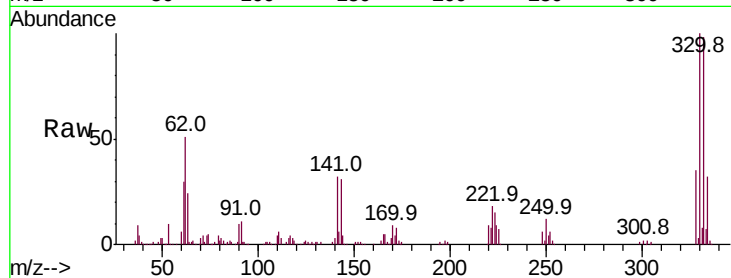
Tot Ion:330 Resp: 268942

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

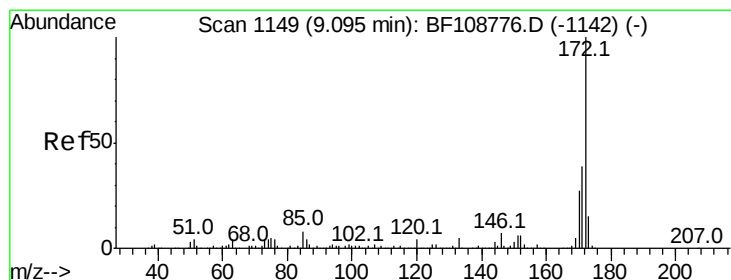
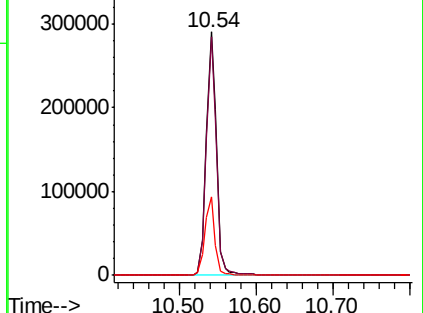
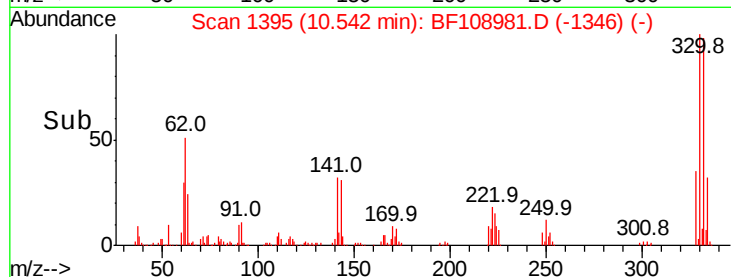
141 31.4 29.9 44.9



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: 103.382 ng

RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

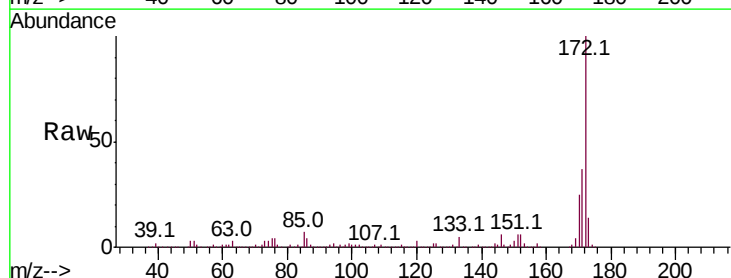
Tgt Ion:172 Resp: 1577781

Ion Ratio Lower Upper

172 100

171 37.4 29.7 44.5

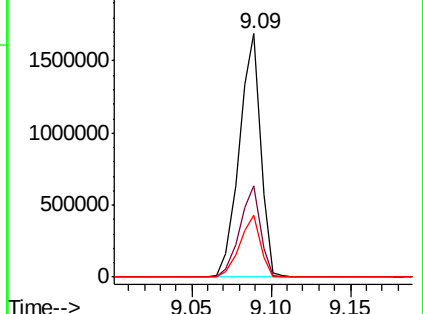
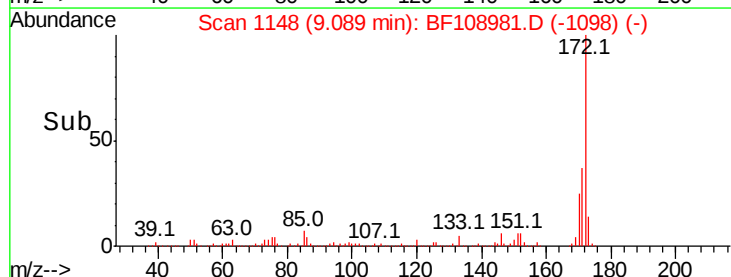
170 25.2 19.6 29.4

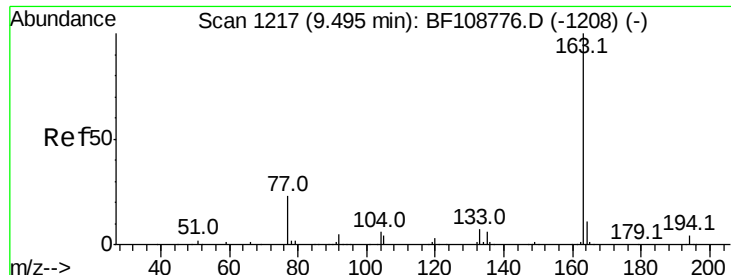


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.668 ng

RT: 9.48 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

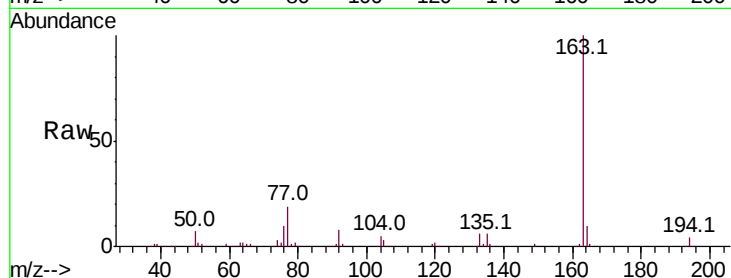
Tot Ion:163 Resp: 212473

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

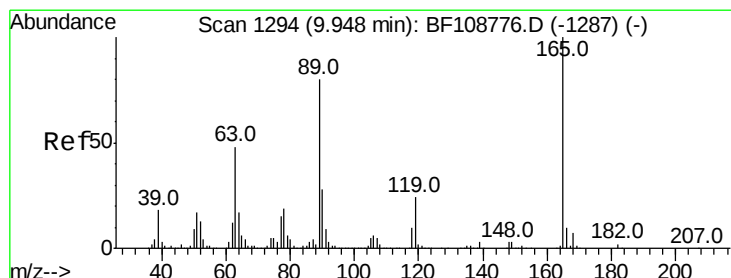
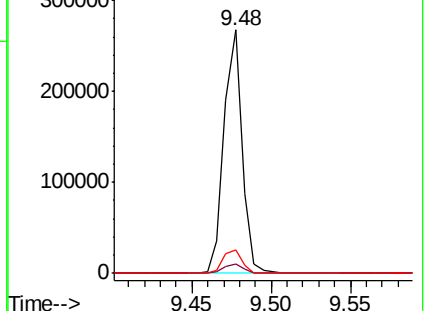
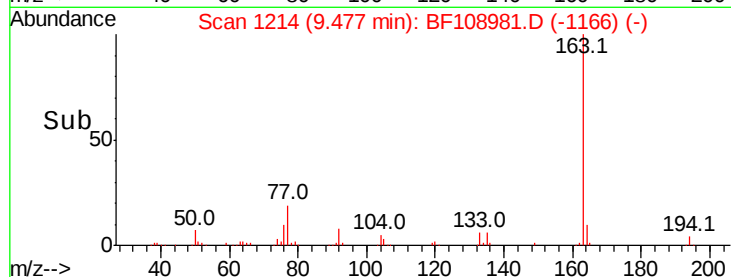
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.429 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.19 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Tgt Ion:165 Resp: 32969

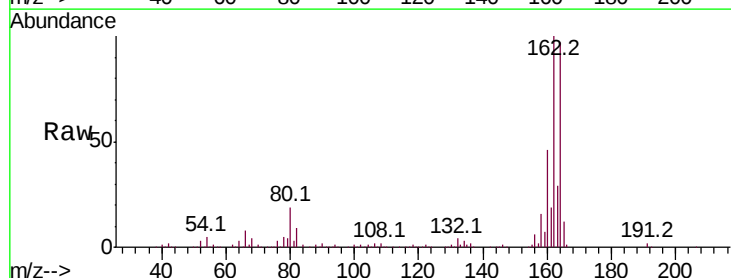
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

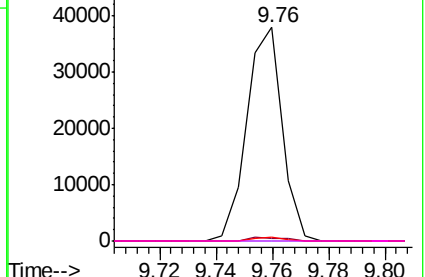
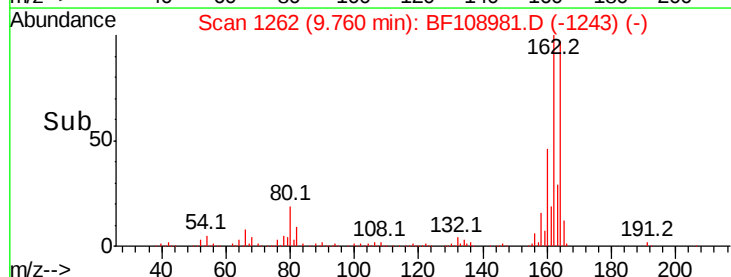


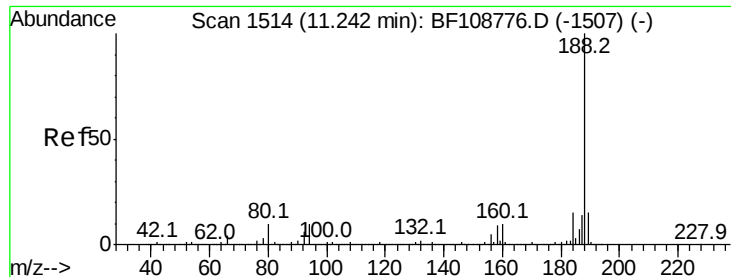
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

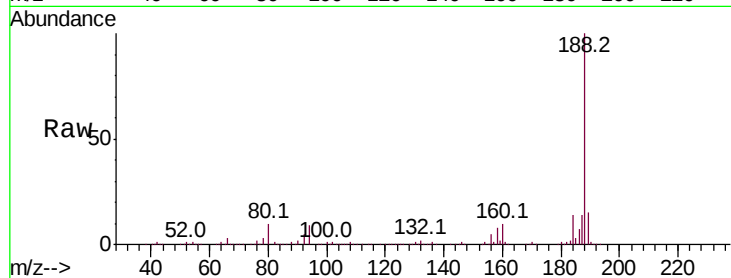
Tot Ion:188 Resp: 493265

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

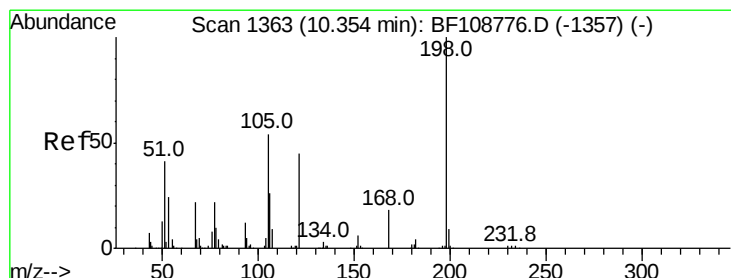
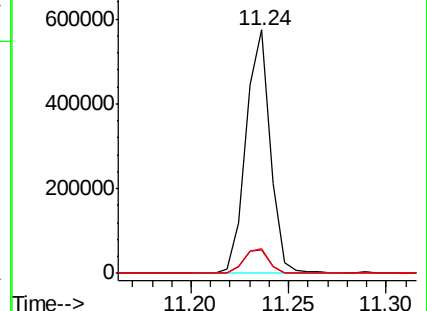
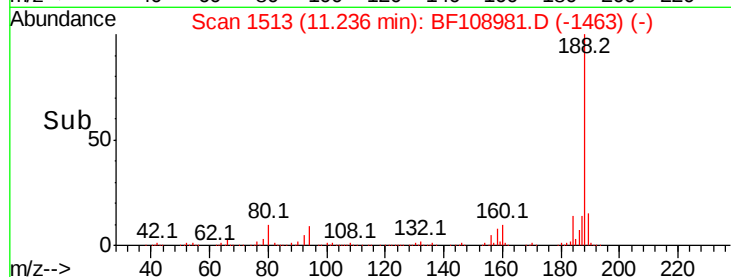
80 10.1 9.2 13.8



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: 7.104 ng

RT: 10.54 min Scan# 1395

Delta R.T. 0.19 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

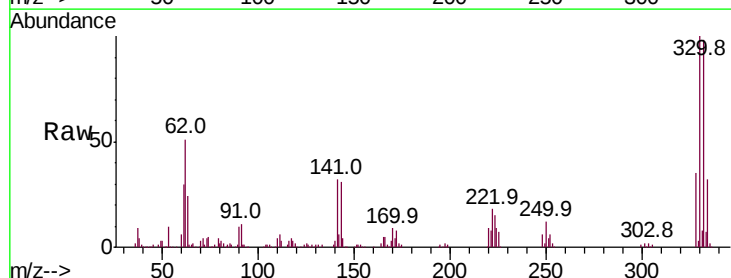
Tgt Ion:198 Resp: 534

Ion Ratio Lower Upper

198 100

51 166.8 37.7 77.7#

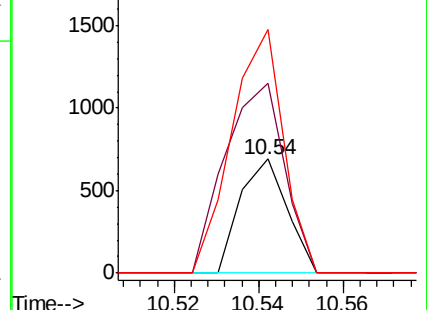
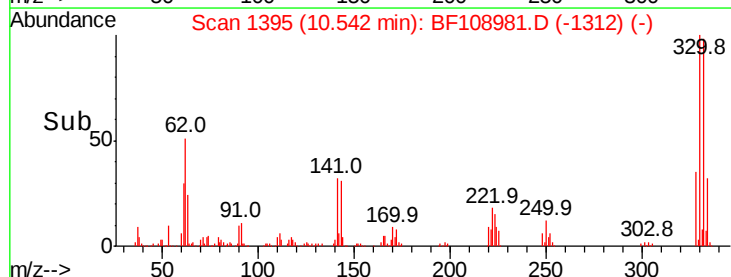
105 213.3 36.3 76.3#

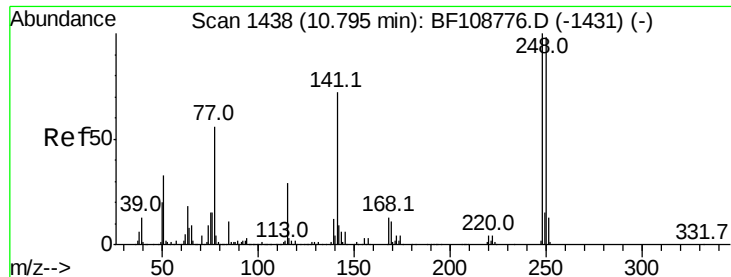


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

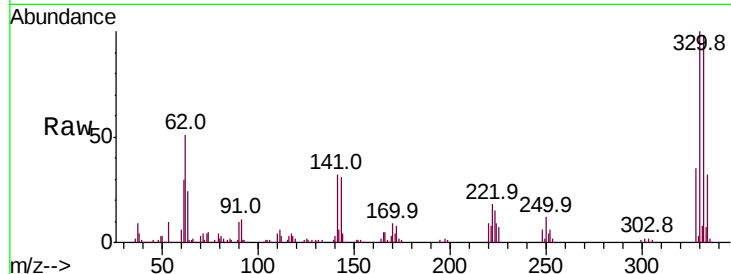




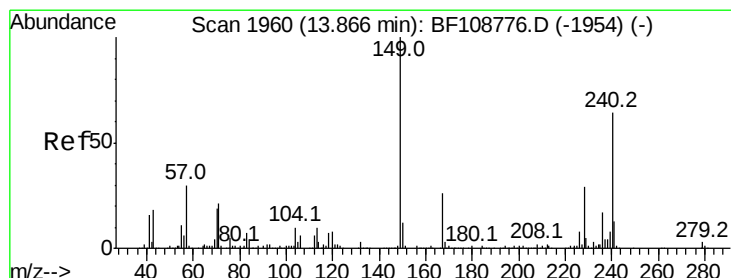
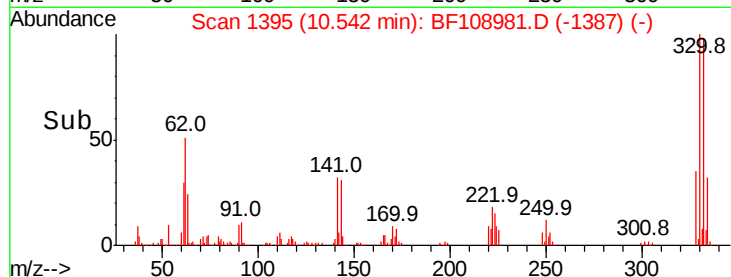
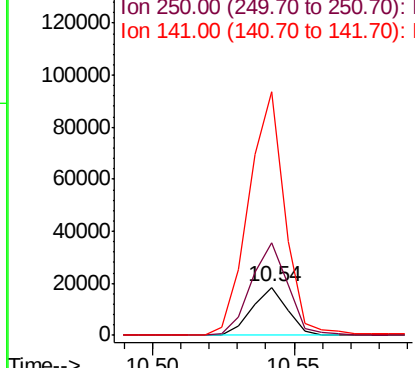
#66
4-Bromophenyl-phenylether
Concen: 2.873 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.25 min
Lab File: BF108981.D
Acq: 13 Sep 2018 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16004
Ion Ratio Lower Upper
248 100
250 191.4 76.9 115.3#
141 503.4 74.4 111.6#

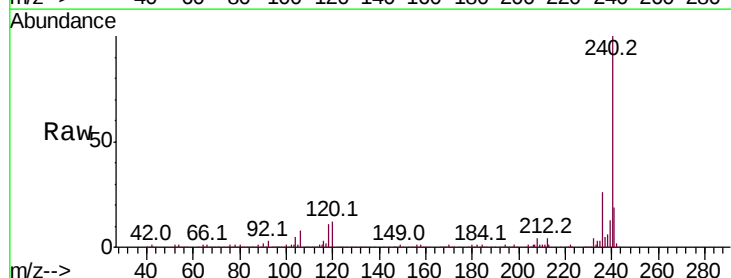


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

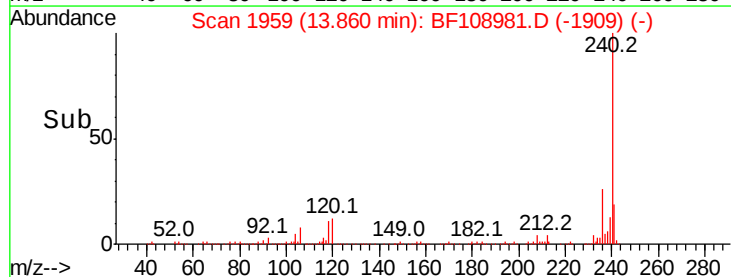
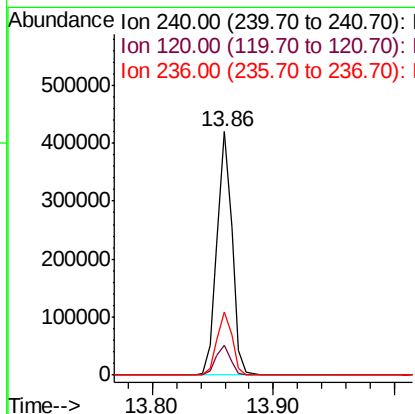


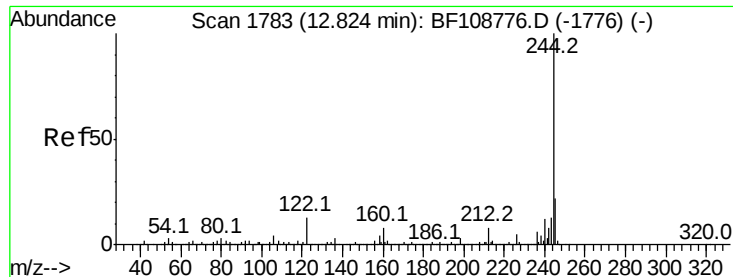
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BF108981.D
Acq: 13 Sep 2018 22:52

Tgt Ion:240 Resp: 357393
Ion Ratio Lower Upper
240 100
120 12.4 9.5 14.3
236 25.9 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: 100.145 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Instrument :

BNA_F

ClientSampleId :

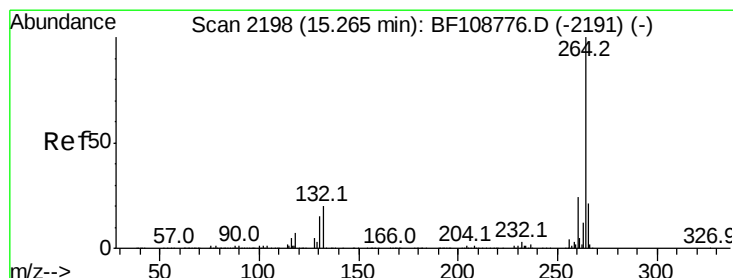
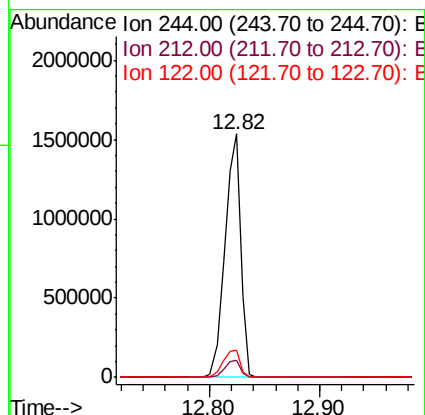
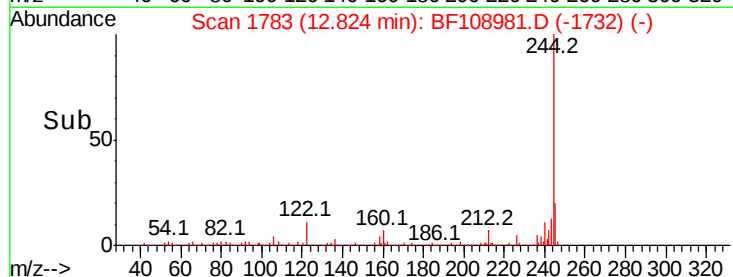
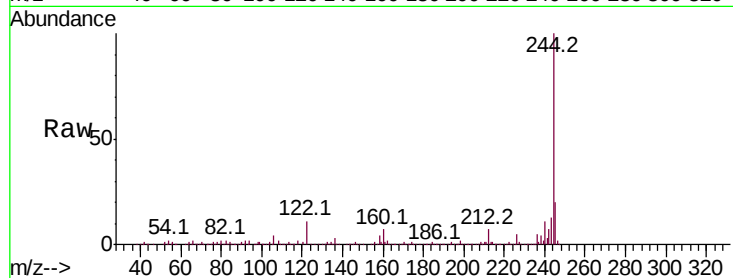
Tot Ion:244 Resp: 1534854

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 11.5 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BF108981.D

Acq: 13 Sep 2018 22:52

Tgt Ion:264 Resp: 375391

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.5 17.5 26.3

