

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111778.D
 Acq On : 27 Dec 2018 22:21
 Operator : JU/SJ
 Sample : J6195-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-122618-A

Quant Time: Dec 28 00:18:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

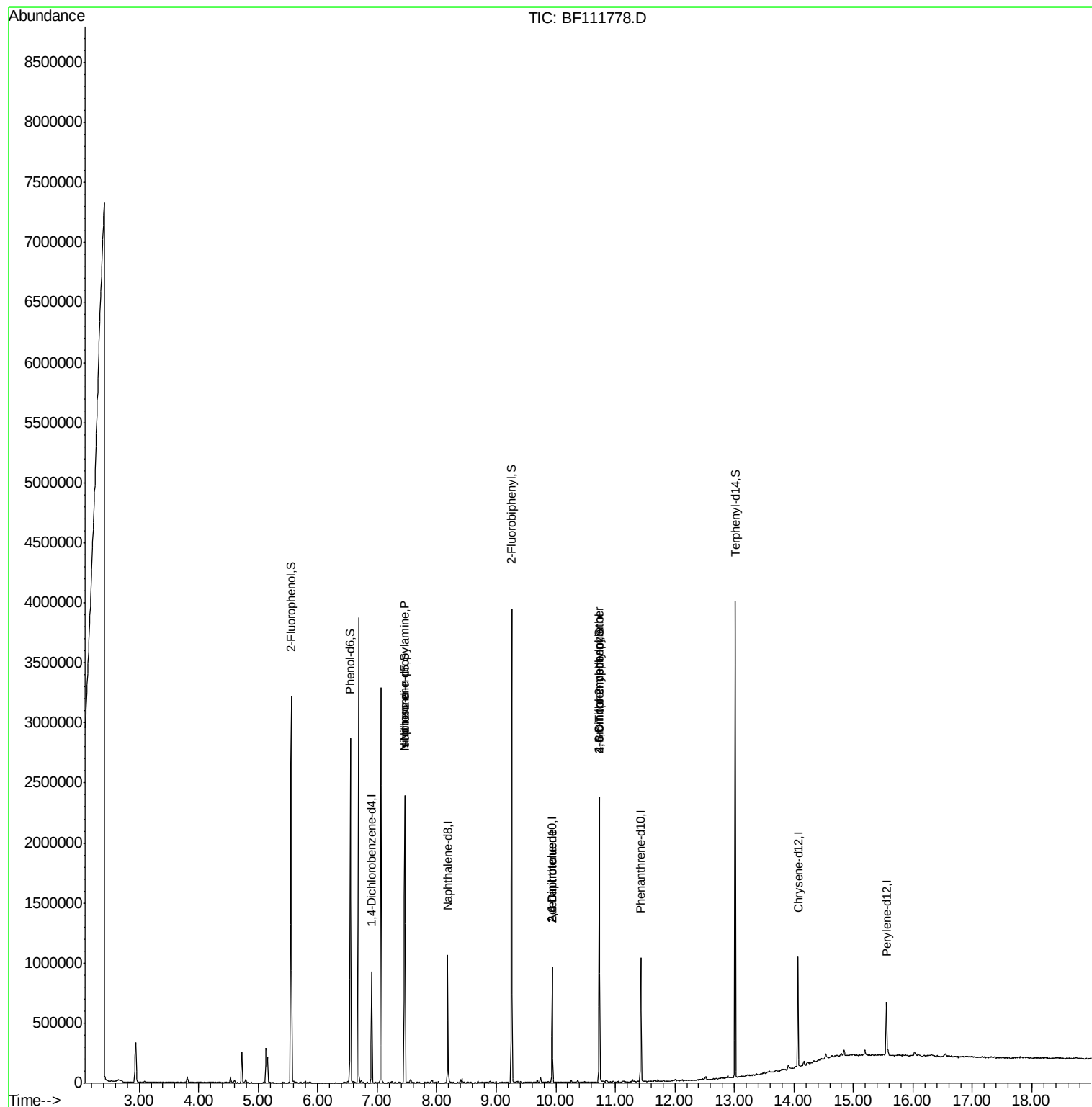
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	121752	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	417243	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	186739	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	339365	20.00	ng	0.01
76) Chrysene-d12	14.07	240	284230	20.00	ng	0.02
87) Perylene-d12	15.56	264	206344	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	821453	115.00	ng	0.04
7) Phenol-d6	6.55	99	878668	96.66	ng	0.03
23) Nitrobenzene-d5	7.46	82	723231	100.89	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	277258	125.66	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1275323	99.54	ng	0.00
79) Terphenyl-d14	13.02	244	1371872	91.53	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	101377	16.793	ng	# 77
25) Isophorone	7.46	82	723333	56.841	ng	# 64
51) 2,6-Dinitrotoluene	9.94	165	23489	8.626	ng	# 28
57) 2,4-Dinitrotoluene	9.94	165	23489	7.177	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.73	198	450	6.969	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	17472	4.151	ng	# 1

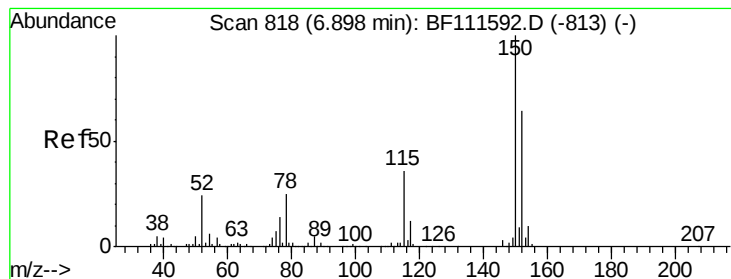
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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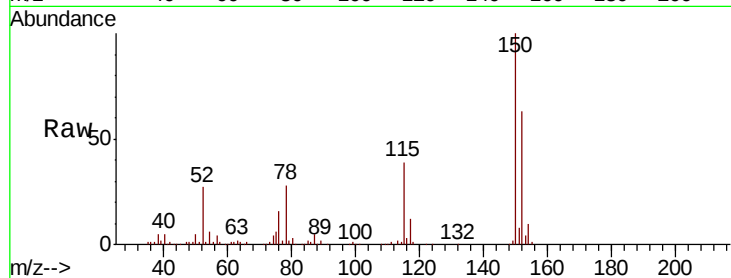


#1

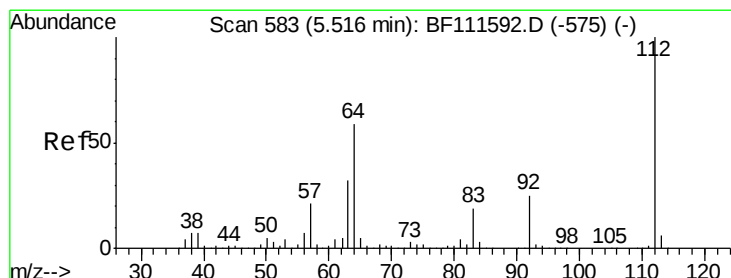
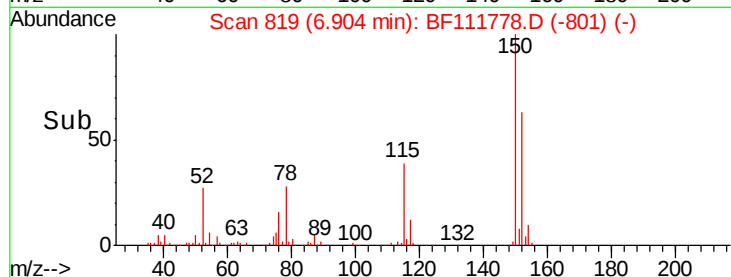
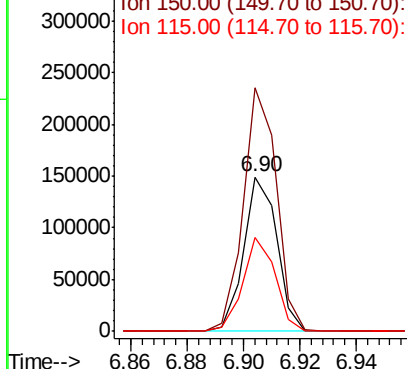
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111778.D
Acq: 27 Dec 2018 22:21

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-A

Tgt Ion:152 Resp: 121752
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 60.8 50.7 76.1



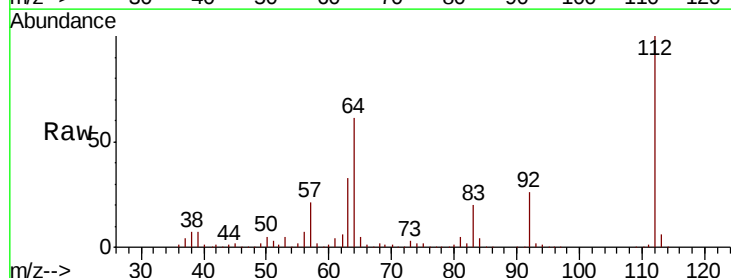
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



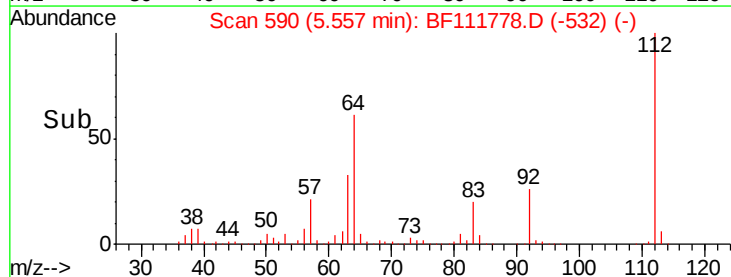
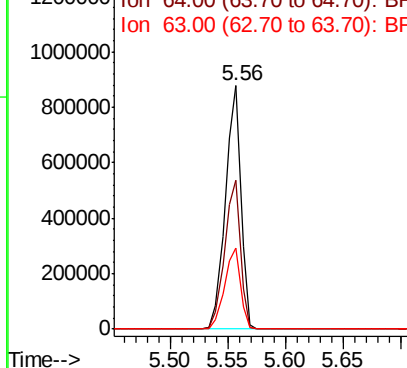
#5

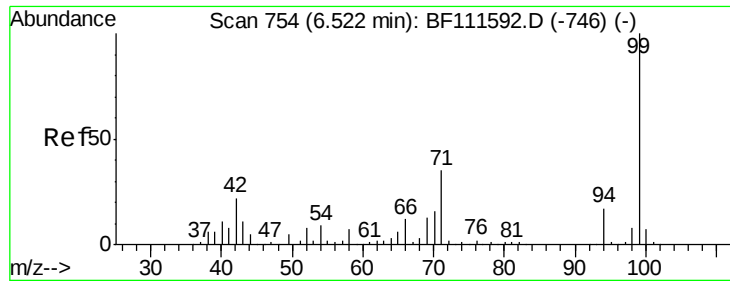
2-Fluorophenol
Concen: 115.004 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.04 min
Lab File: BF111778.D
Acq: 27 Dec 2018 22:21

Tgt Ion:112 Resp: 821453
Ion Ratio Lower Upper
112 100
64 61.1 51.8 77.6
63 33.5 26.8 40.2



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: 96.660 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

Instrument :

BNA_F

ClientSampleId :

OR-01-122618-A

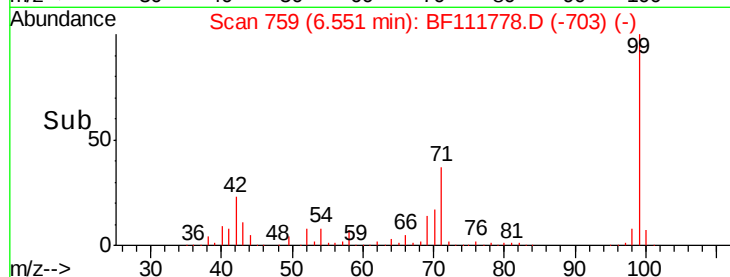
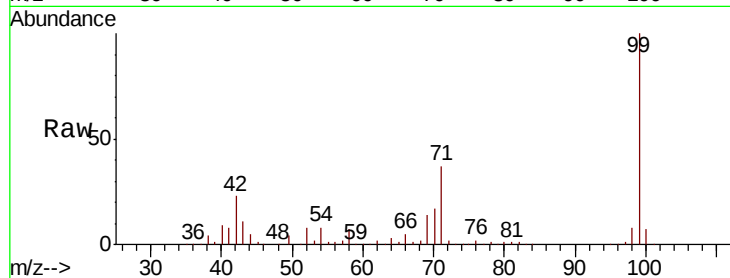
Tgt Ion: 99 Resp: 878668

Ion Ratio Lower Upper

99 100

42 22.9 17.4 26.0

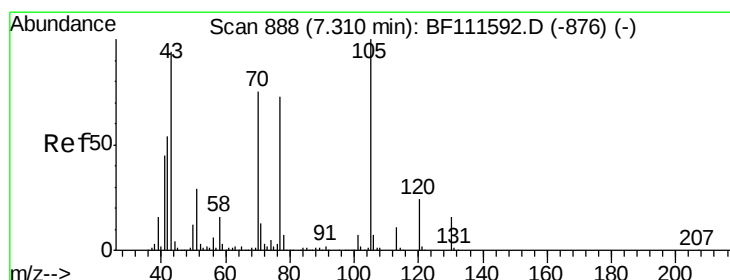
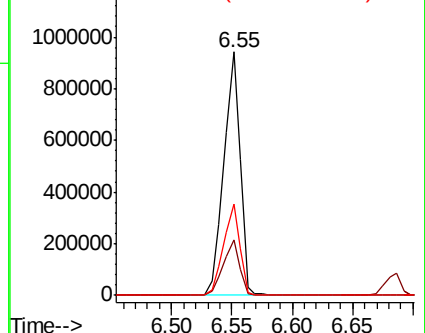
71 37.5 26.1 39.1



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: 16.793 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

Tgt Ion: 70 Resp: 101377

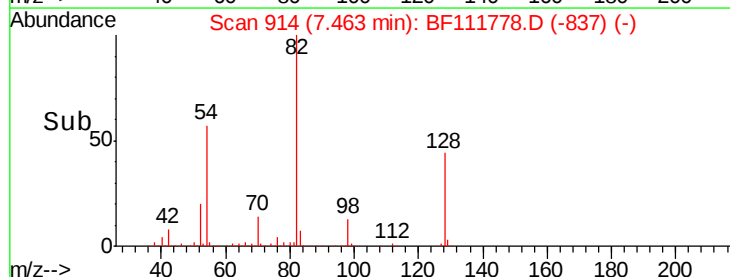
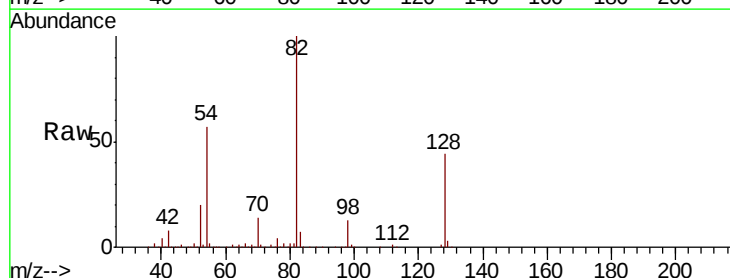
Ion Ratio Lower Upper

70 100

42 53.5 53.2 79.8

101 0.0 8.2 12.4#

130 2.1 18.1 27.1#

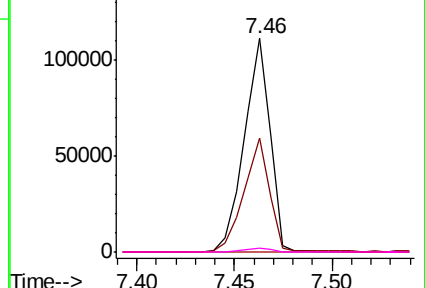


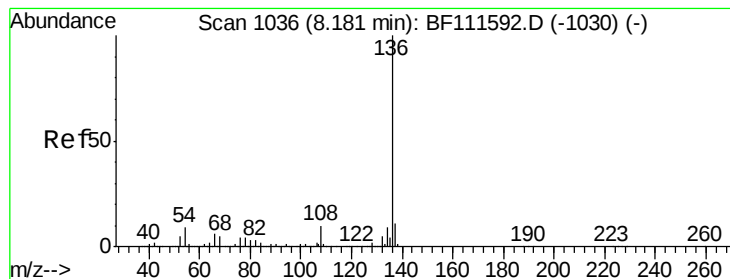
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

Instrument :

BNA_F

ClientSampleId :

OR-01-122618-A

Tgt Ion: 136 Resp: 417243

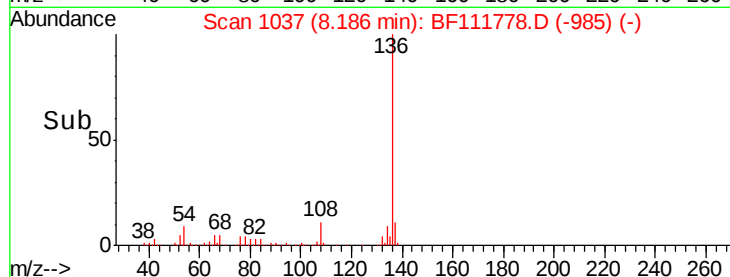
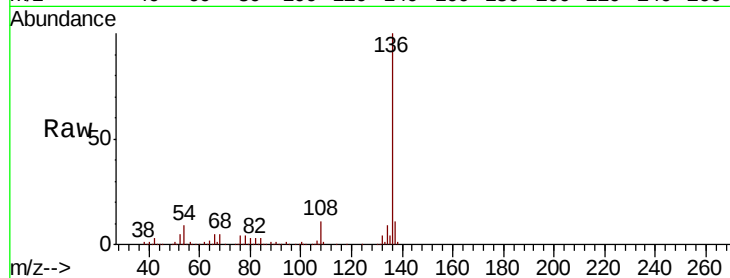
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 8.7 7.7 11.5

68 5.1 4.9 7.3

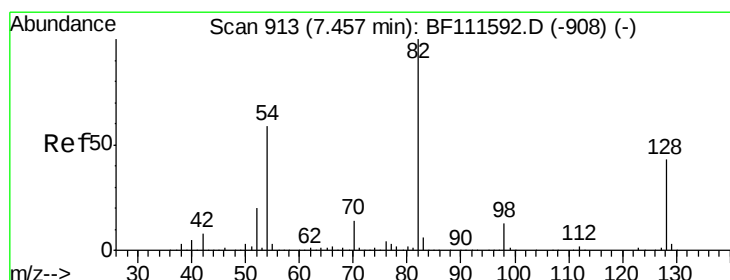
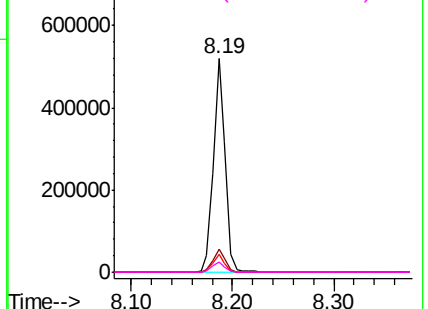


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.895 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

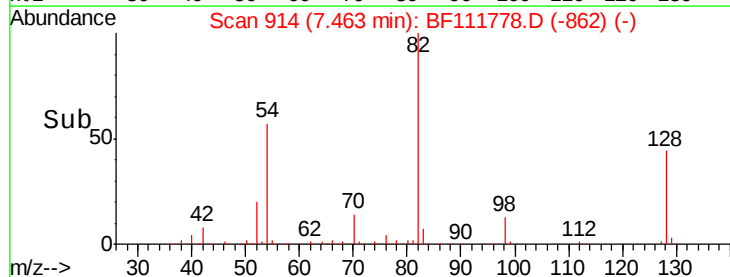
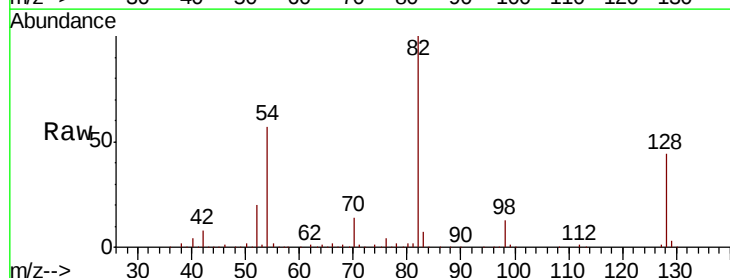
Tgt Ion: 82 Resp: 723231

Ion Ratio Lower Upper

82 100

128 43.6 37.4 56.2

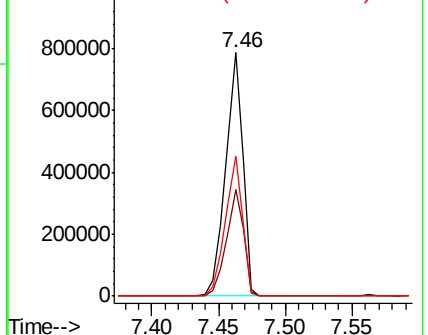
54 57.3 47.6 71.4

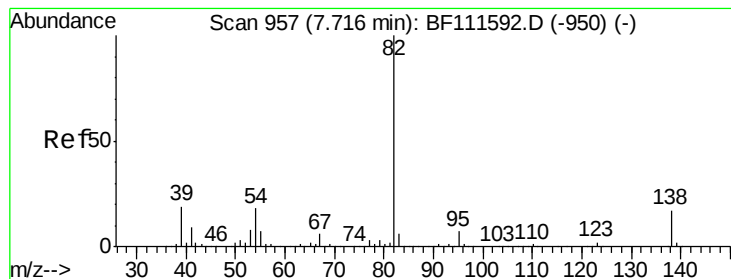


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.841 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.25 min

Lab File: BF111778.D

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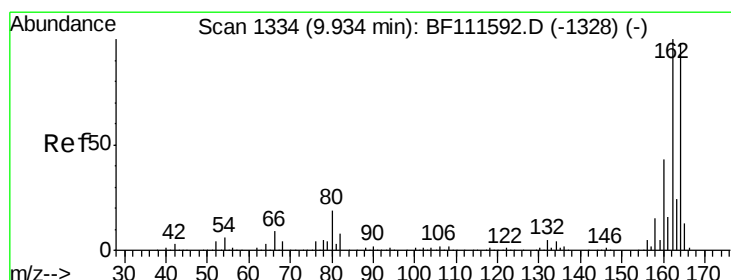
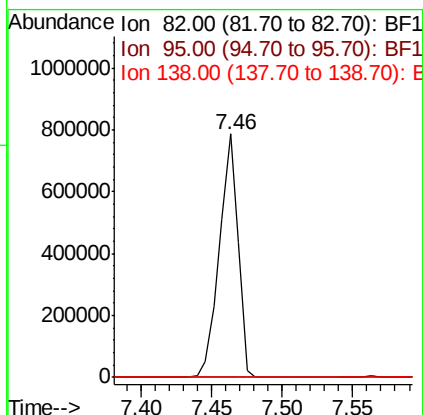
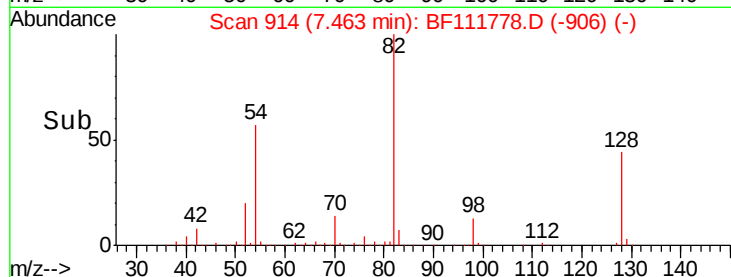
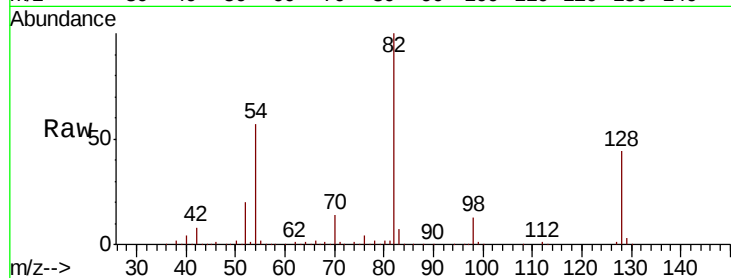
Tgt Ion: 82 Resp: 723333

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

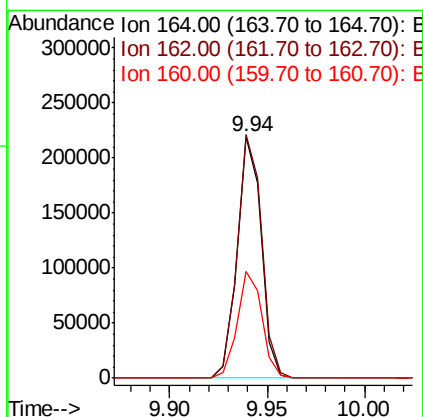
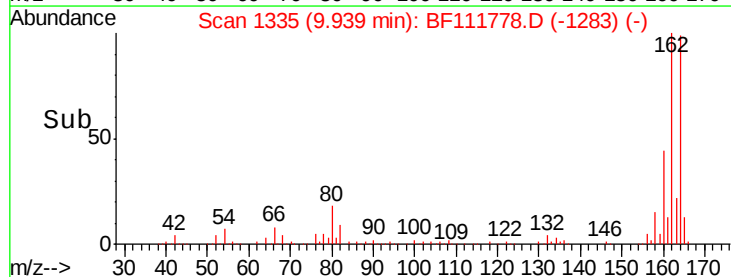
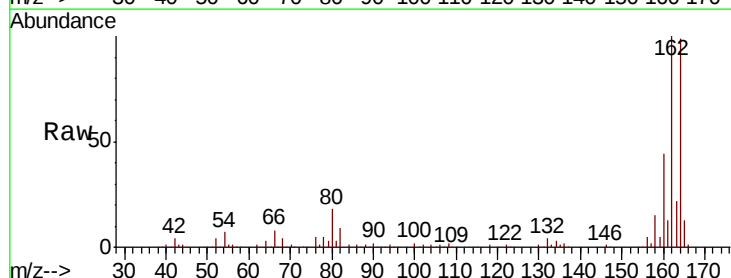
Tgt Ion: 164 Resp: 186739

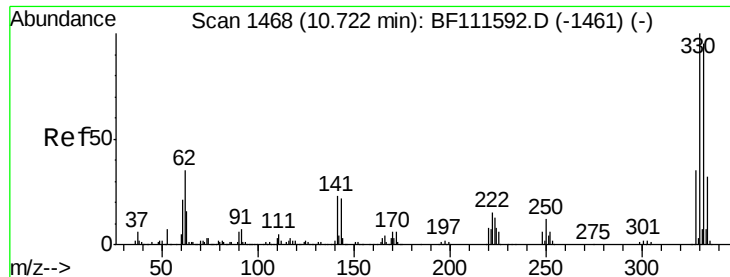
Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.0

160 43.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 125.657 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111778.D

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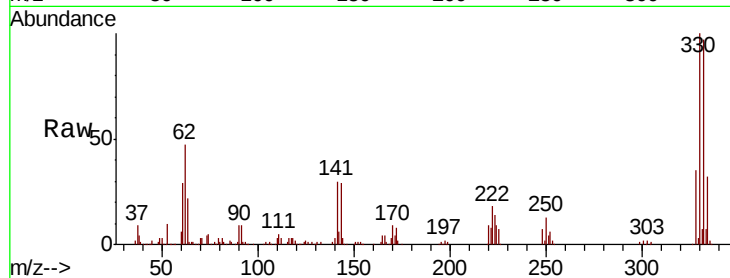
Tgt Ion:330 Resp: 277258

Ion Ratio Lower Upper

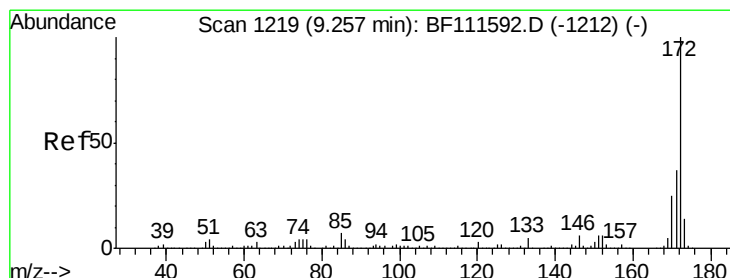
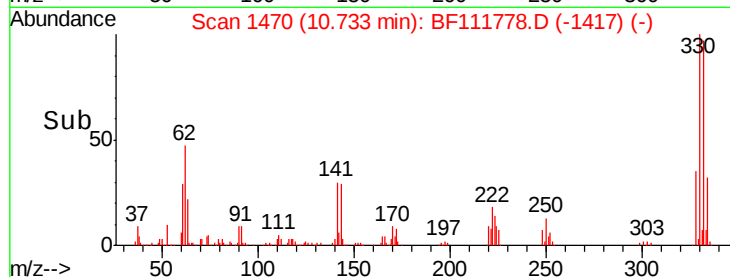
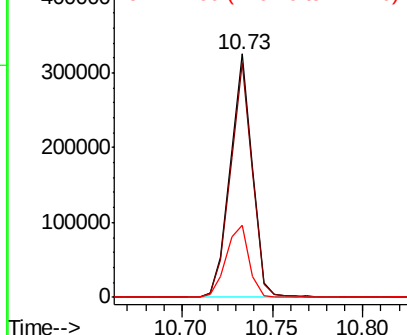
330 100

332 96.2 76.0 114.0

141 31.0 31.0 46.6#



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



#45

2-Fluorobiphenyl

Concen: 99.544 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

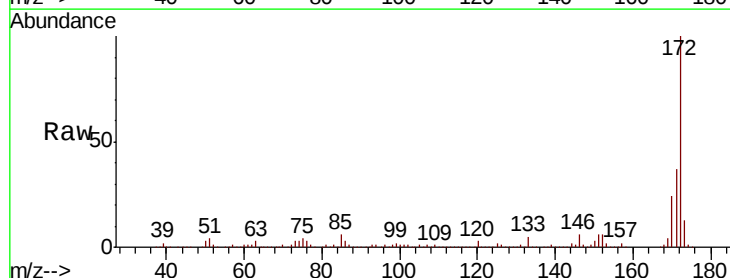
Tgt Ion:172 Resp: 1275323

Ion Ratio Lower Upper

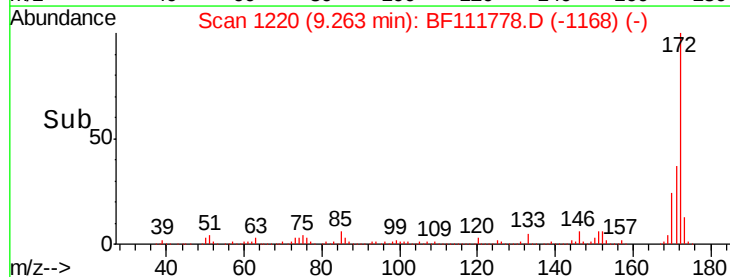
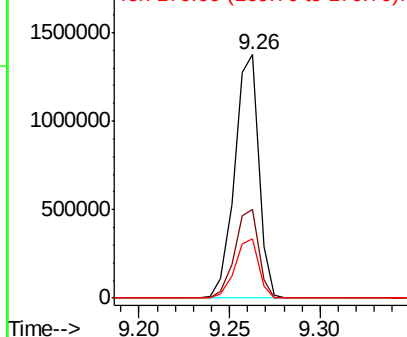
172 100

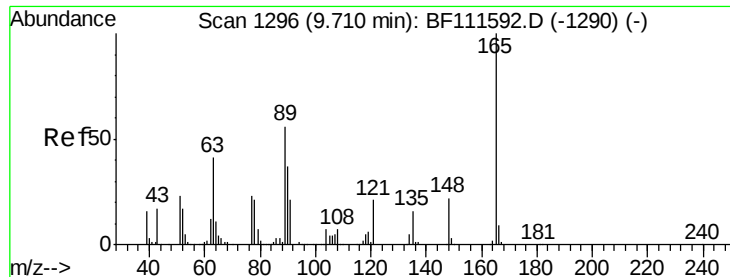
171 36.5 33.0 49.4

170 24.2 22.3 33.5



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

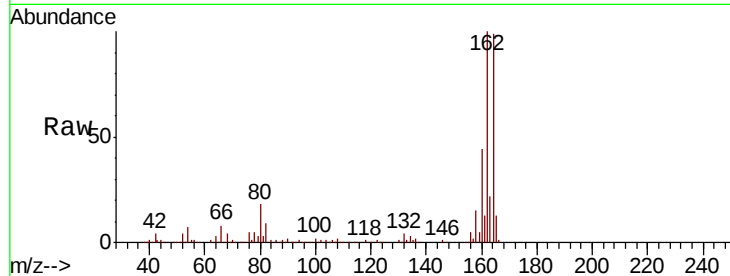




#51
 2,6-Dinitrotoluene
 Concen: 8.626 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF111778.D
 Acq: 27 Dec 2018 22:21

Instrument :
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 OR-01-122618-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.5	60.7#
89	1.0	40.0	60.0#

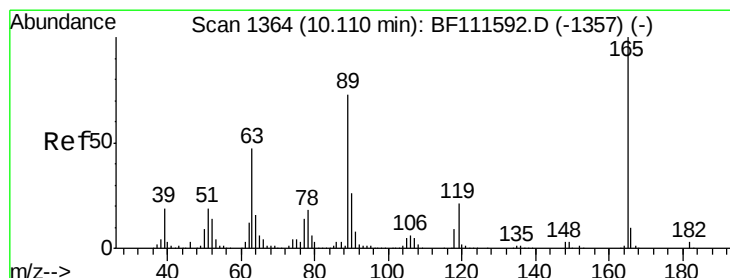
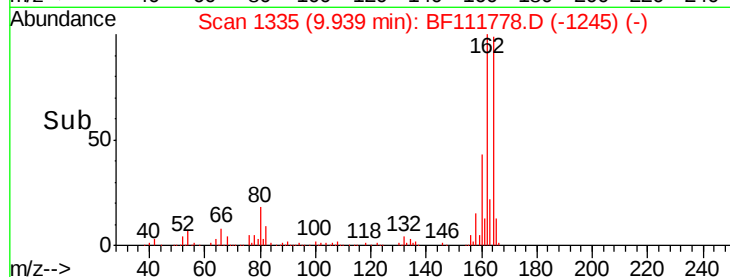
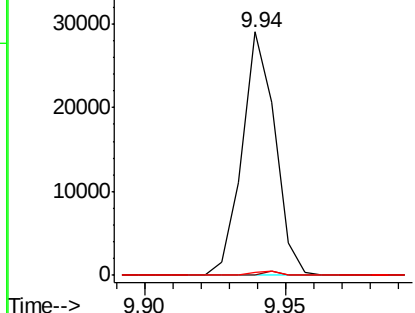


Abundance

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



#57
 2,4-Dinitrotoluene
 Concen: 7.177 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111778.D
 Acq: 27 Dec 2018 22:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#

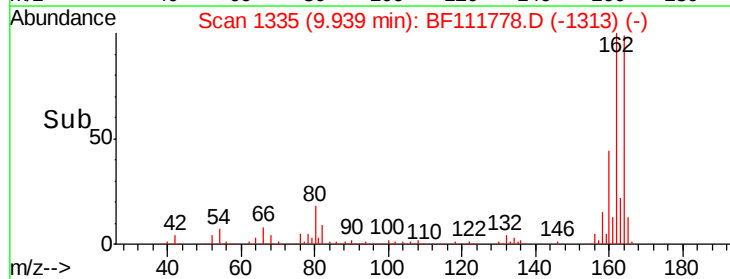
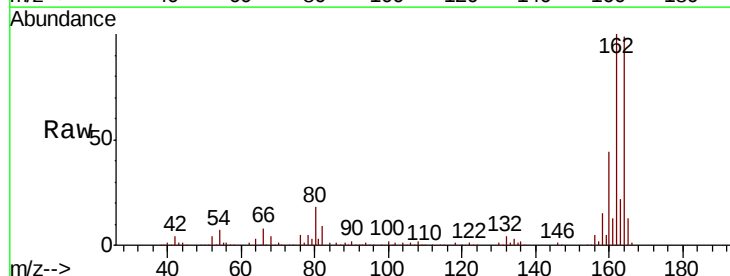
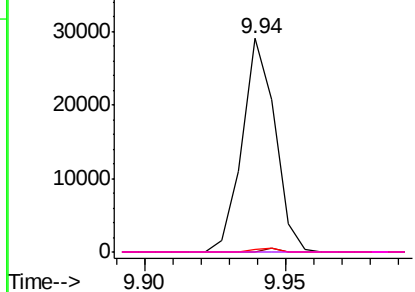
Abundance

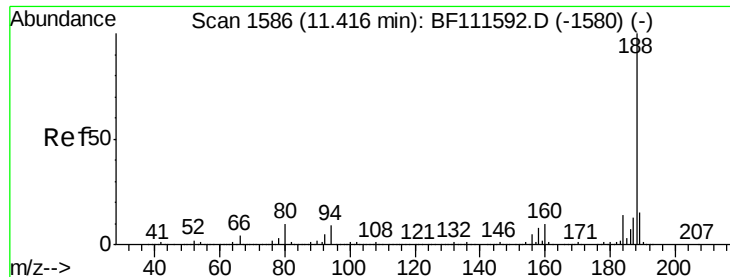
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111778.D

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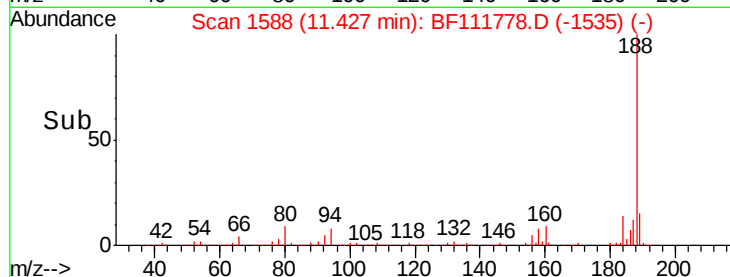
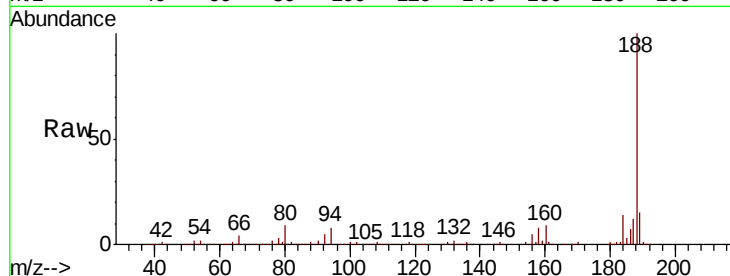
Tgt Ion:188 Resp: 339365

Ion Ratio Lower Upper

188 100

94 8.2 9.6 14.4#

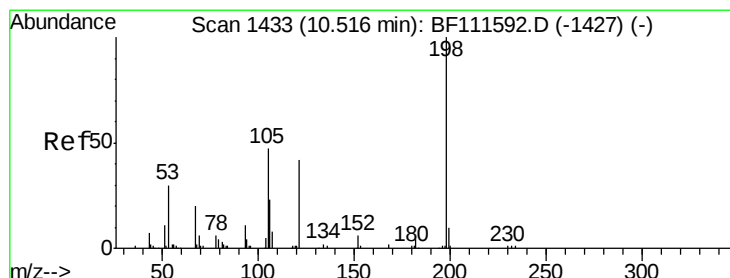
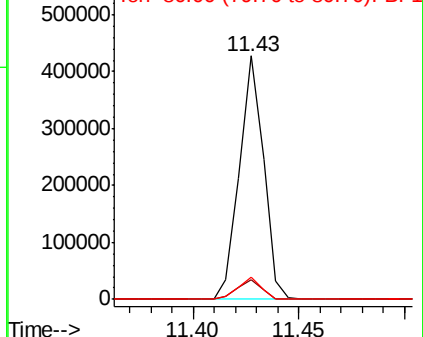
80 9.0 9.8 14.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.969 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.22 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

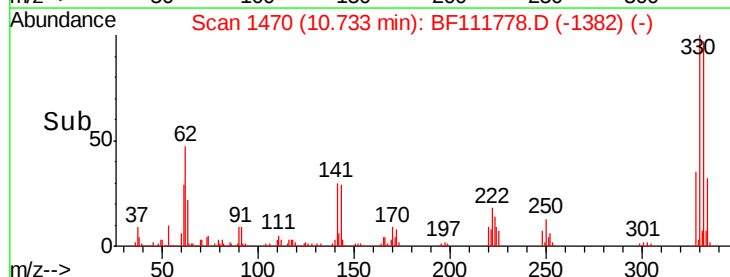
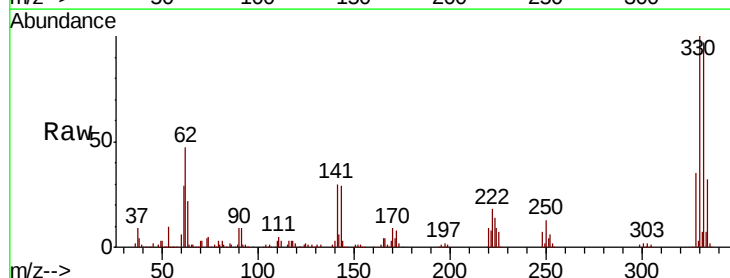
Tgt Ion:198 Resp: 450

Ion Ratio Lower Upper

198 100

51 144.3 48.0 88.0#

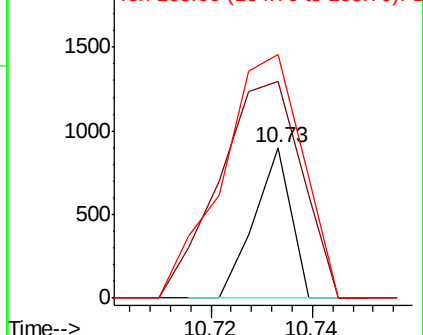
105 162.1 34.0 74.0#

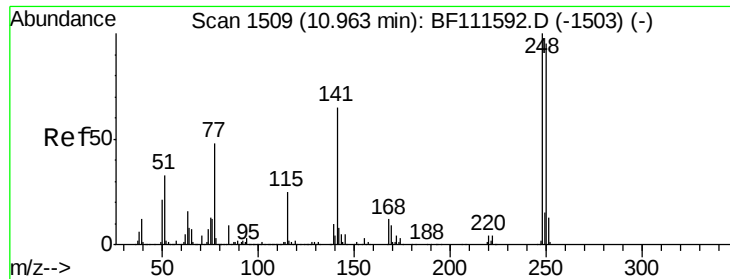


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

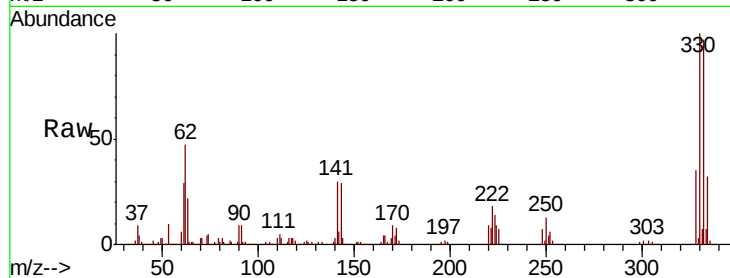




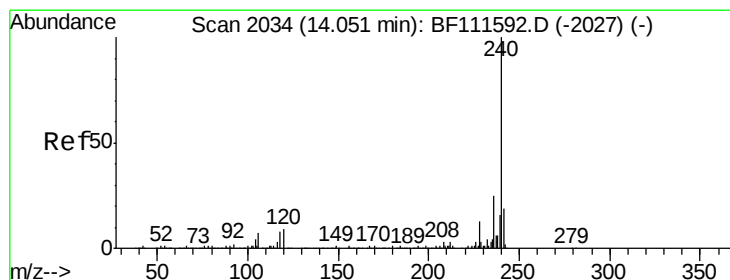
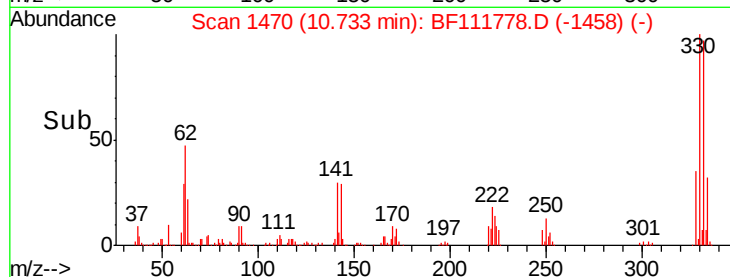
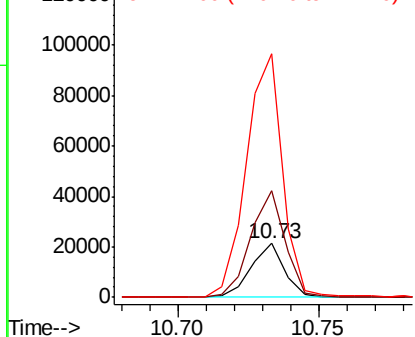
#67
4-Bromophenyl-phenylether
Concen: 4.151 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.23 min
Lab File: BF111778.D
Acq: 27 Dec 2018 22:21

Instrument :
BNA_F
ClientSampleId :
OR-01-122618-A

Tgt Ion:248 Resp: 17472
Ion Ratio Lower Upper
248 100
250 199.7 77.0 115.4#
141 453.8 63.0 94.6#

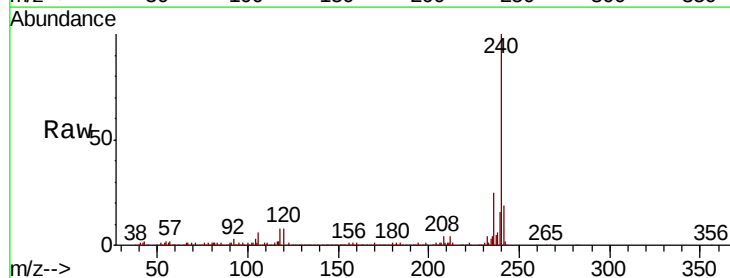


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

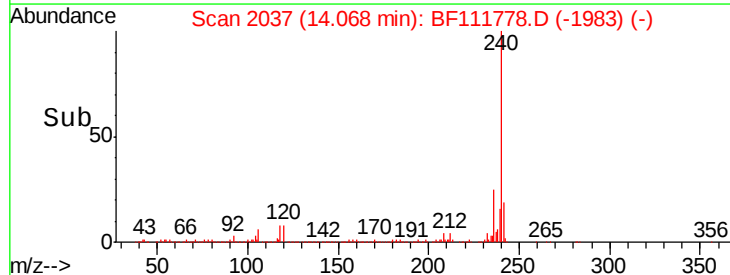
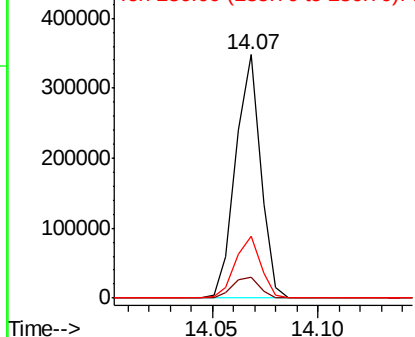


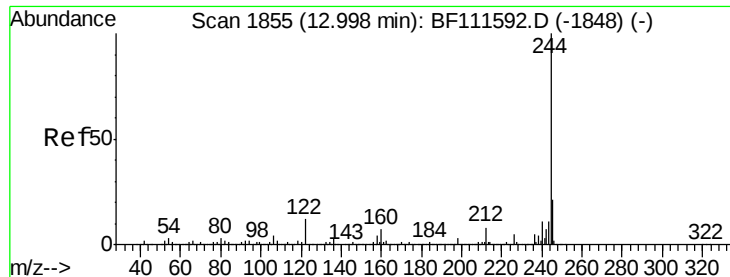
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111778.D
Acq: 27 Dec 2018 22:21

Tgt Ion:240 Resp: 284230
Ion Ratio Lower Upper
240 100
120 8.4 12.2 18.2#
236 25.3 20.2 30.2



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





#79

Terphenyl-d14

Concen: 91.533 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

Instrument :

BNA_F

ClientSampleId :

OR-01-122618-A

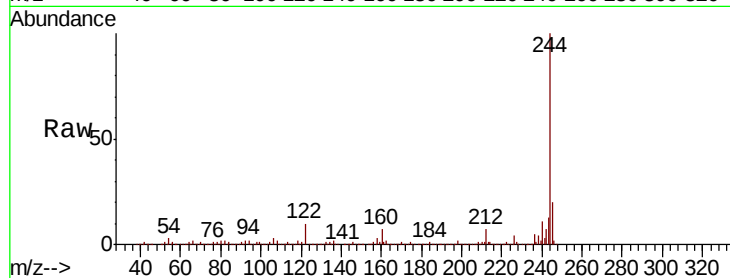
Tgt Ion:244 Resp: 1371872

Ion Ratio Lower Upper

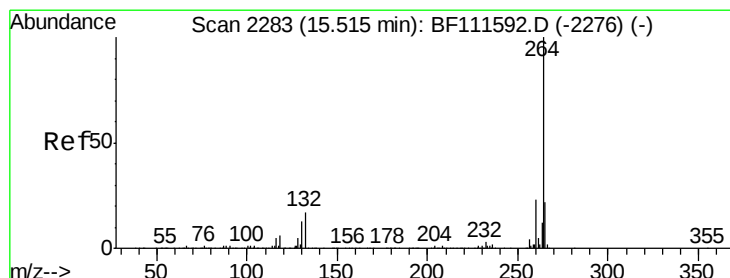
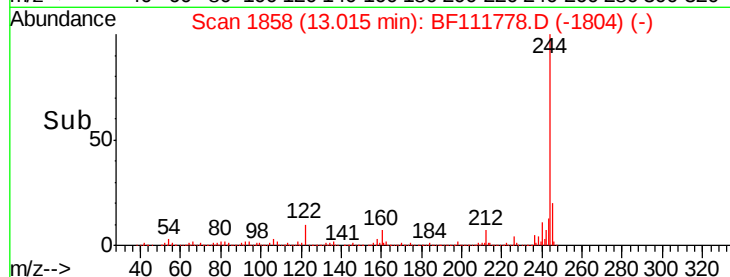
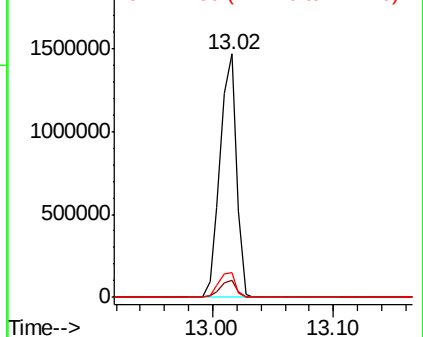
244 100

212 7.0 5.7 8.5

122 10.0 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111778.D

Acq: 27 Dec 2018 22:21

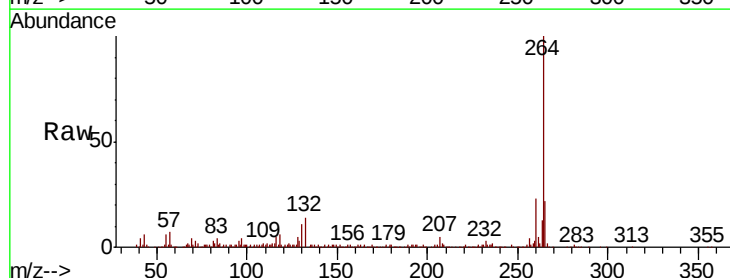
Tgt Ion:264 Resp: 206344

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.4 17.7 26.5



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

