

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
 Data File : BF111233.D
 Acq On : 10 Dec 2018 11:01
 Operator : JU/SJ
 Sample : PB115080BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 15:11:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

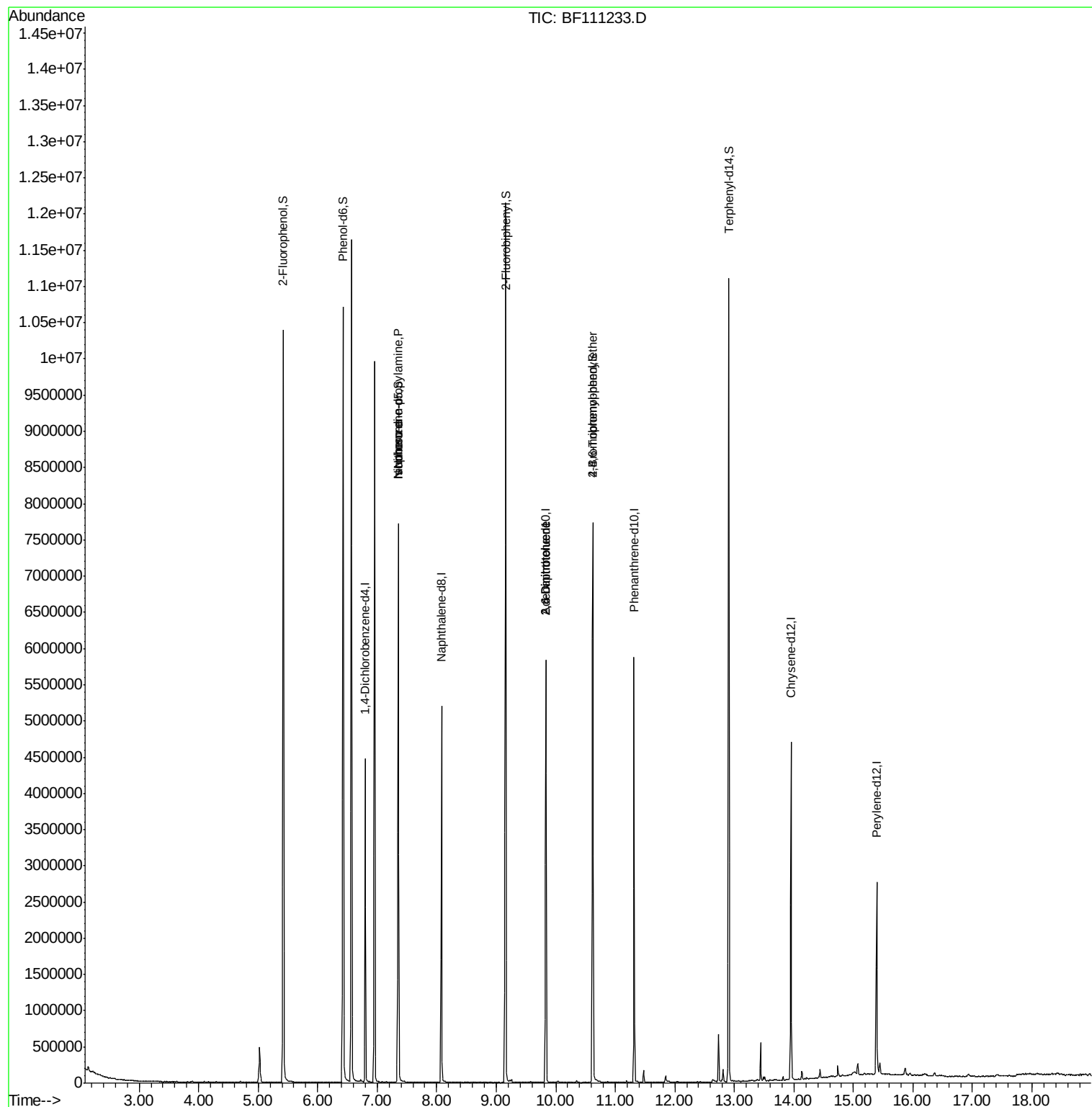
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	599952	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	2449273	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	1150268	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1988482	20.00	ng	0.00
76) Chrysene-d12	13.95	240	1542688	20.00	ng	0.00
87) Perylene-d12	15.39	264	1152106	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	3245882	85.43	ng	0.02
7) Phenol-d6	6.43	99	4068157	86.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	2620107	60.00	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	867788	85.17	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	4266313	58.47	ng	0.00
79) Terphenyl-d14	12.91	244	3862110	60.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	5752	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	354259	11.200 ng	#	78
25) Isophorone	7.36	82	2574967	34.621 ng	#	64
46) 1,1'-Biphenyl	9.26	154	10518	Below Cal	#	92
51) 2,6-Dinitrotoluene	9.83	165	149252	7.963 ng	#	29
57) 2,4-Dinitrotoluene	9.83	165	149252	6.459 ng	#	24
67) 4-Bromophenyl-phenylether	10.62	248	57988	2.663 ng	#	1

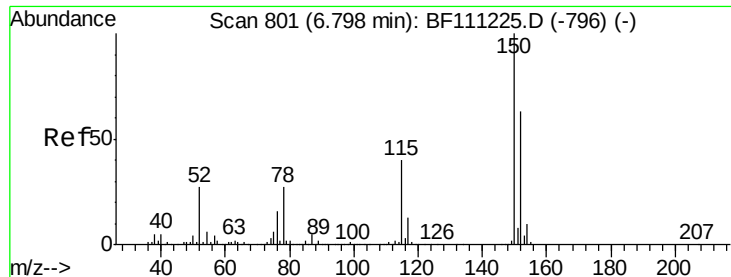
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111233.D
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Operator : JU/SJ
Sample : PB115080BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 10 15:09:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
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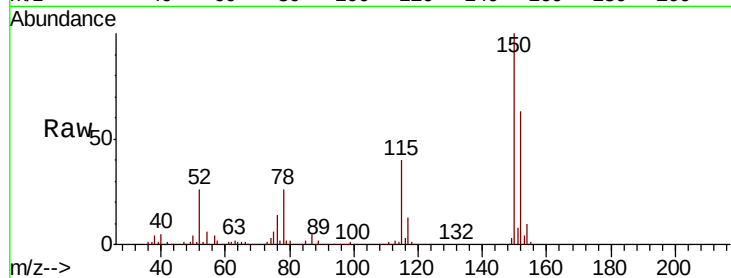


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111233.D
Acq: 10 Dec 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.6	189.8
115	63.9	50.7	76.1

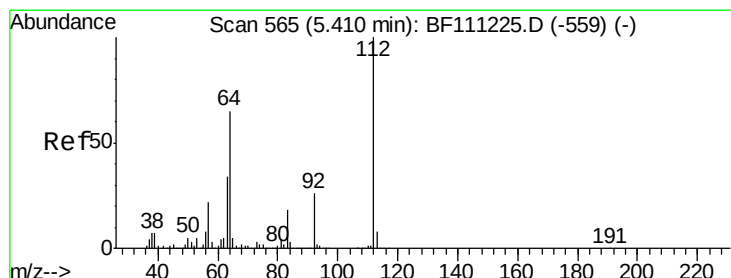
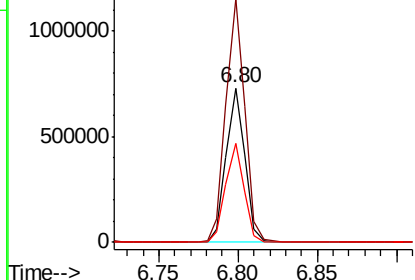
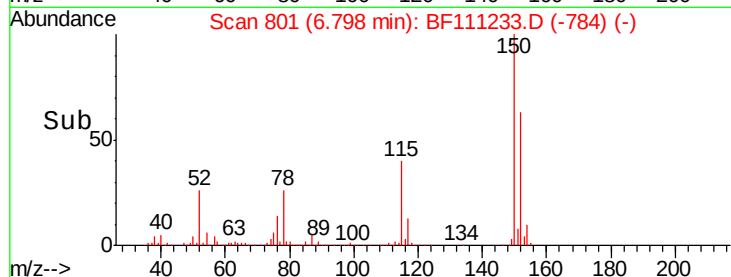


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

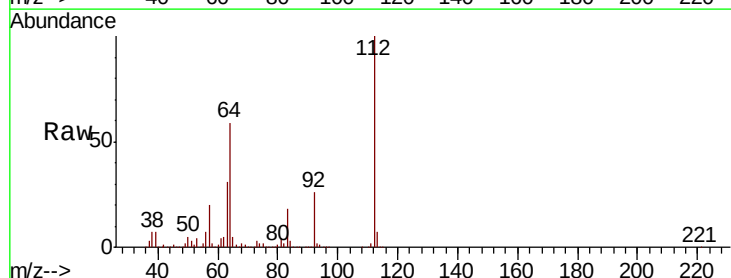
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.431 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF111233.D
Acq: 10 Dec 2018 11:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	51.8	77.6
63	31.4	26.8	40.2

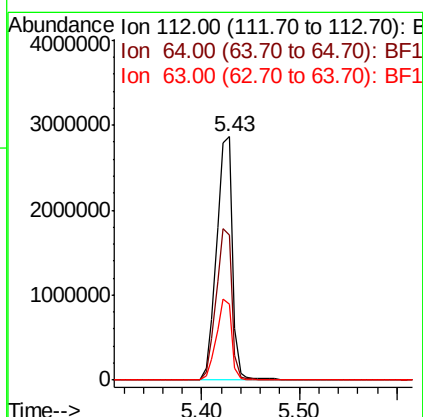
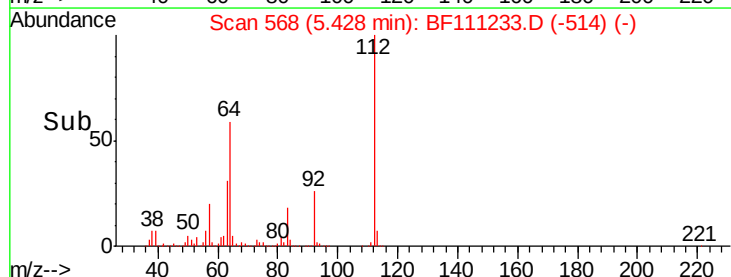


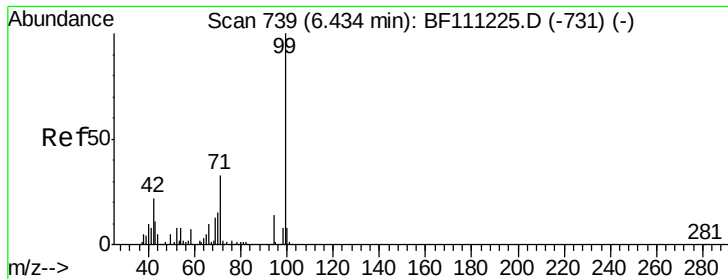
Abundance

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: 86.159 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

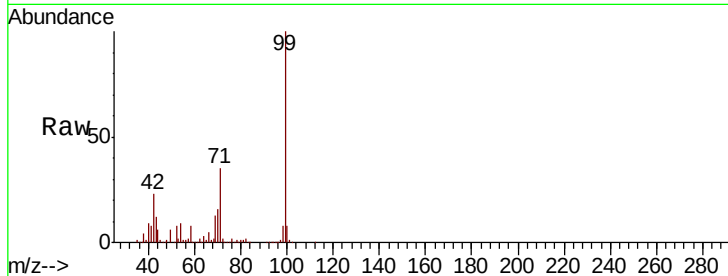
Tot Ion: 99 Resp: 4068157

Ion Ratio Lower Upper

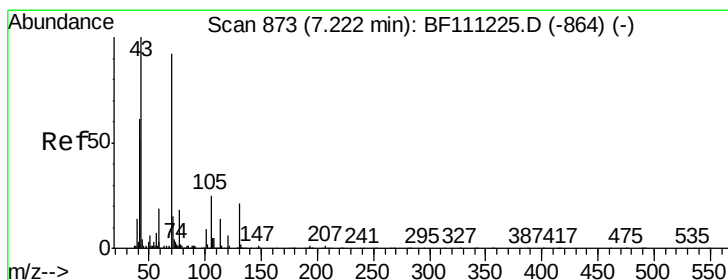
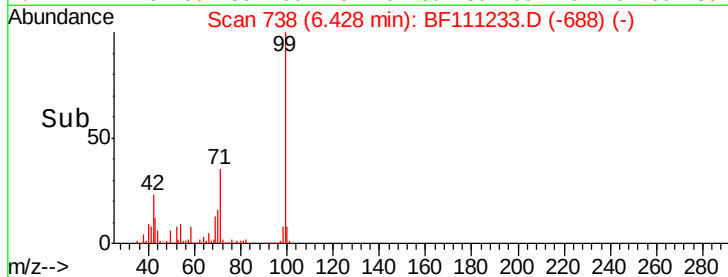
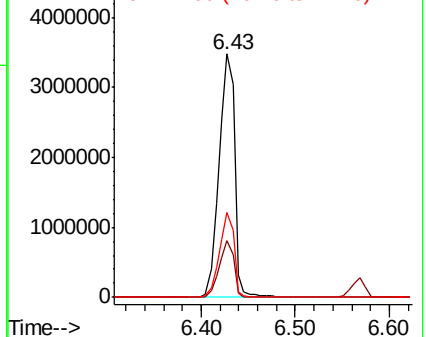
99 100

42 23.4 17.4 26.0

71 35.1 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: 11.200 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Tgt Ion: 70 Resp: 354259

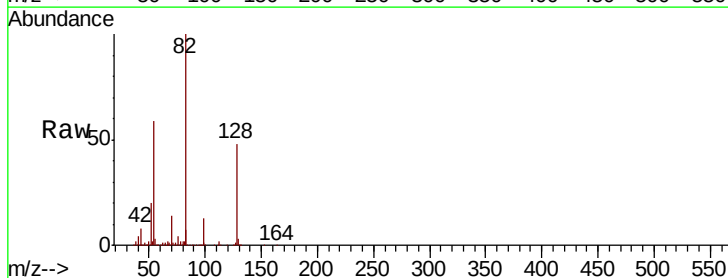
Ion Ratio Lower Upper

70 100

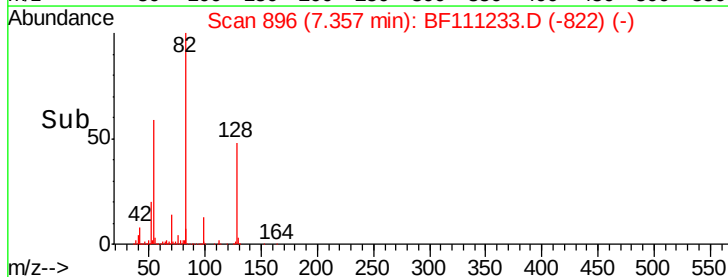
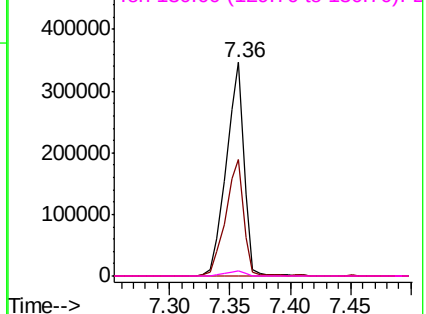
42 54.7 53.2 79.8

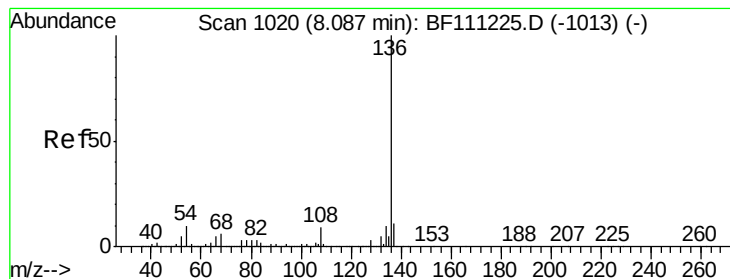
101 0.0 8.2 12.4#

130 2.4 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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 2449273

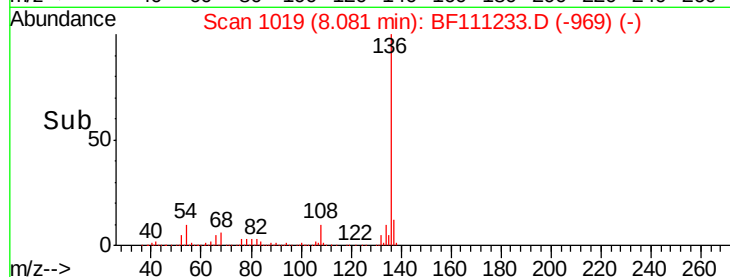
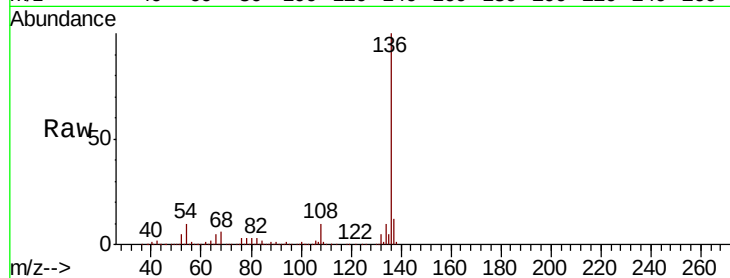
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.0	7.7	11.5
68	6.2	4.9	7.3

136 100

137 11.6 9.1 13.7

54 10.0 7.7 11.5

68 6.2 4.9 7.3



Abundance Ion 136.00 (135.70 to 136.70): E

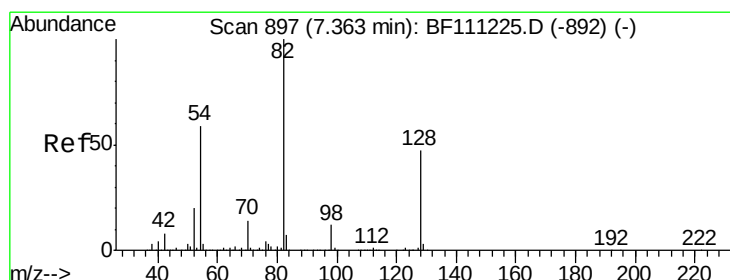
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

8.08

Time-->



#23

Nitrobenzene-d5

Concen: 60.001 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

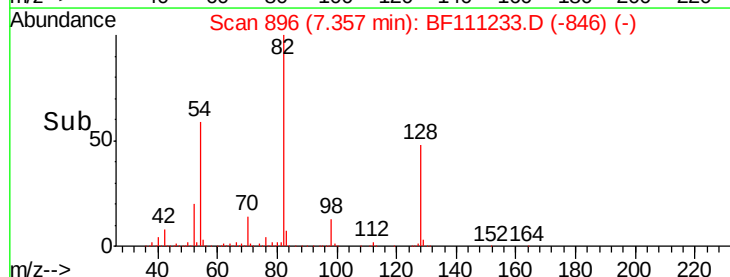
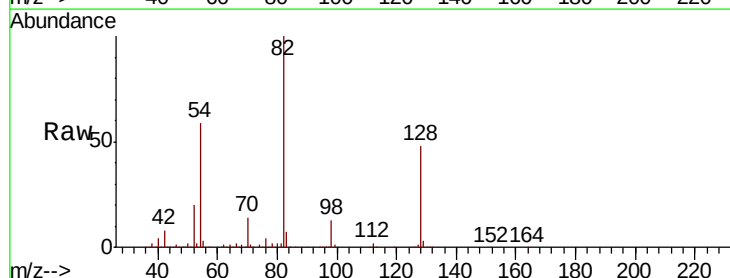
Tgt Ion: 82 Resp: 2620107

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.4	56.2
54	59.4	47.6	71.4

82 100

128 48.3 37.4 56.2

54 59.4 47.6 71.4



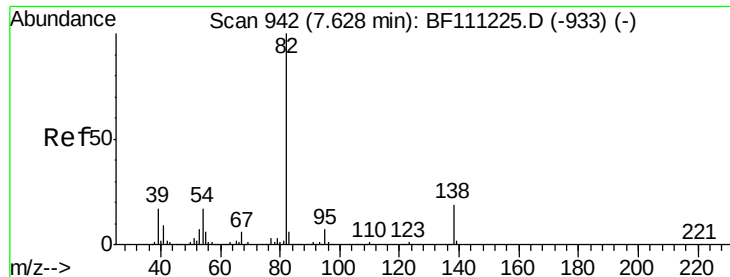
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

7.36

Time-->



#25

Isophorone

Concen: 34.621 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

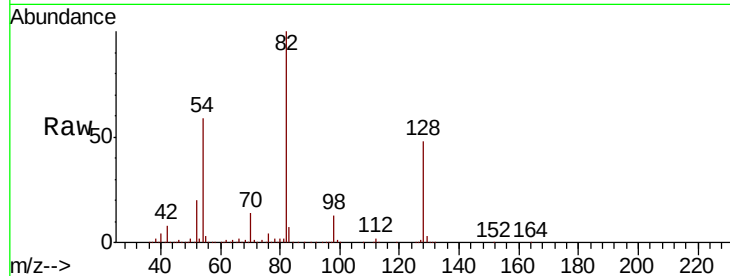
Tot Ion: 82 Resp: 2574967

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

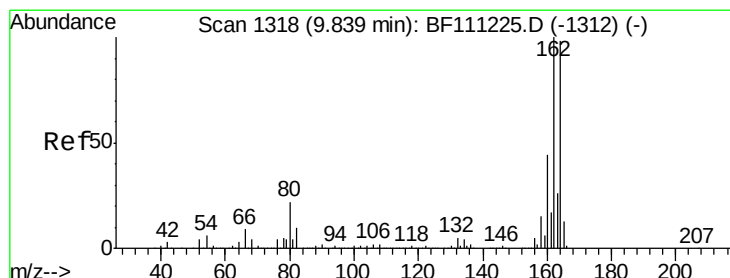
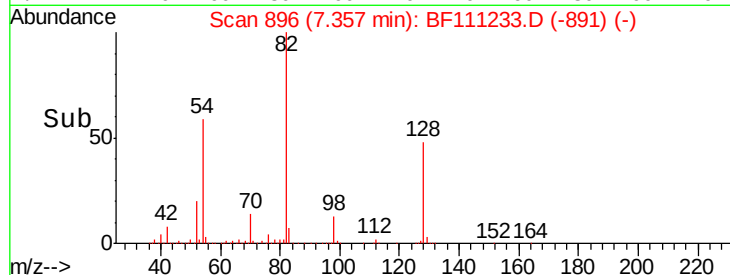
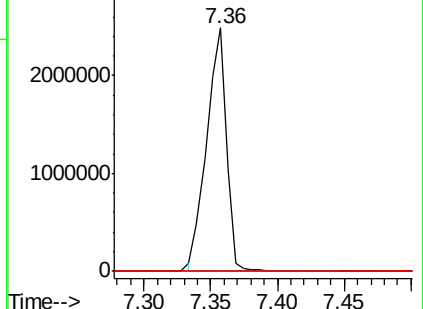
138 0.0 15.1 22.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

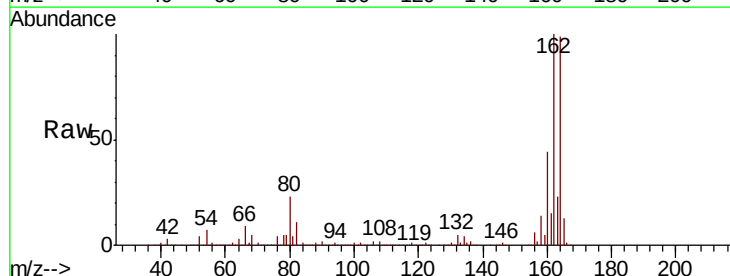
Tgt Ion:164 Resp: 1150268

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

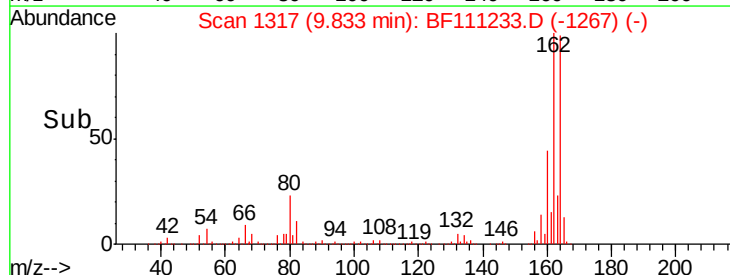
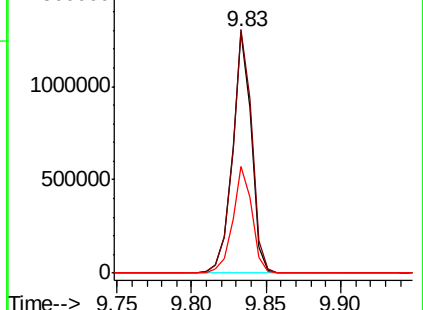
160 44.4 35.7 53.5

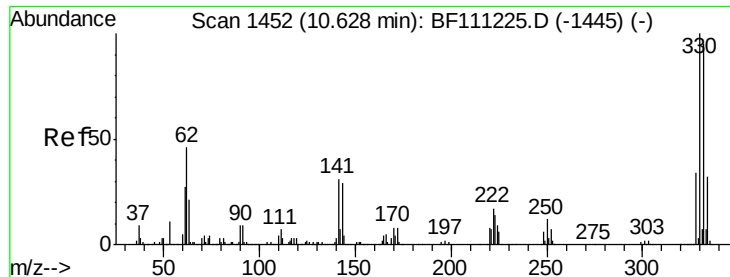


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 85.167 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

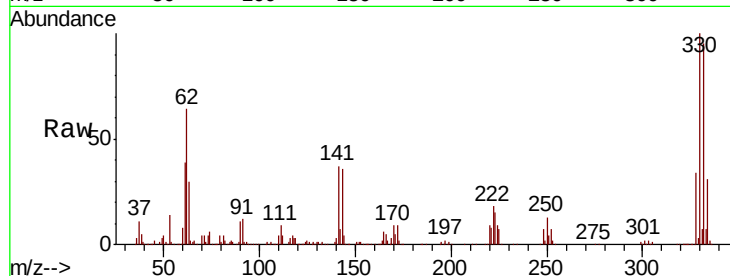
Tot Ion:330 Resp: 867788

Ion Ratio Lower Upper

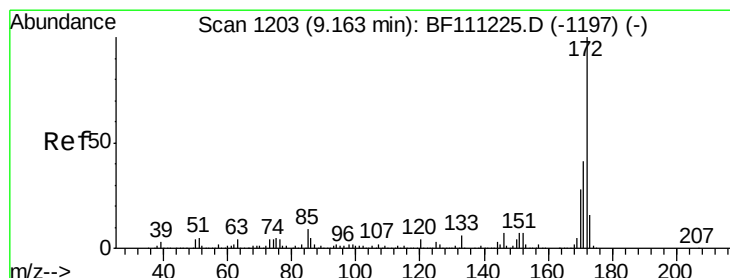
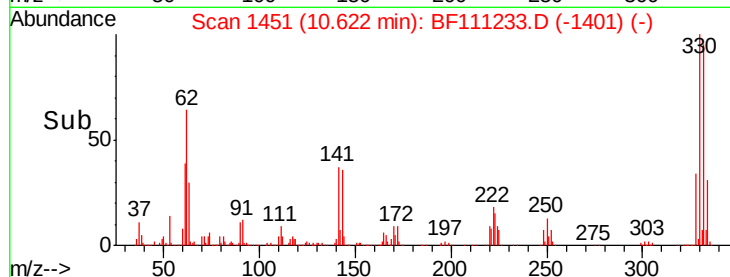
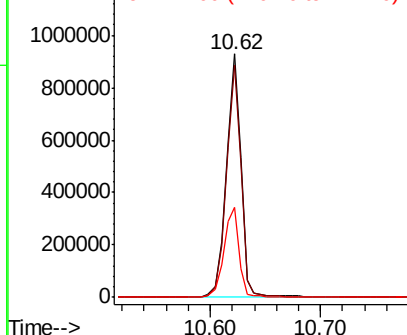
330 100

332 96.0 76.0 114.0

141 38.5 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: 58.465 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

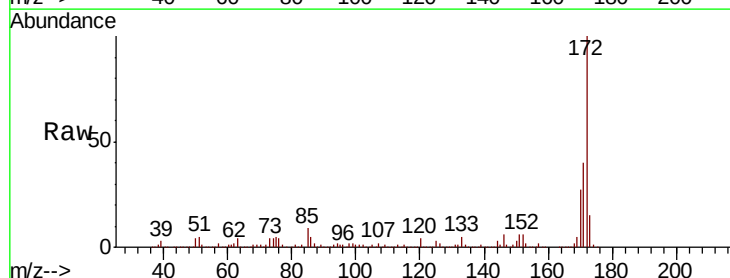
Tgt Ion:172 Resp: 4266313

Ion Ratio Lower Upper

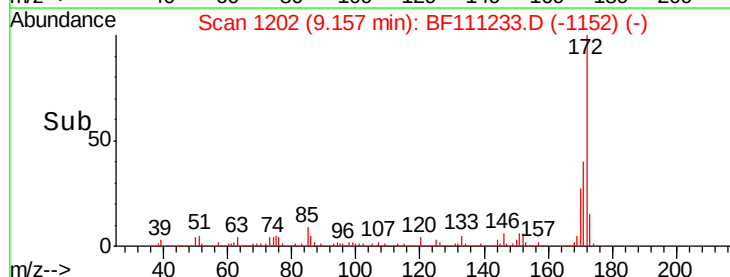
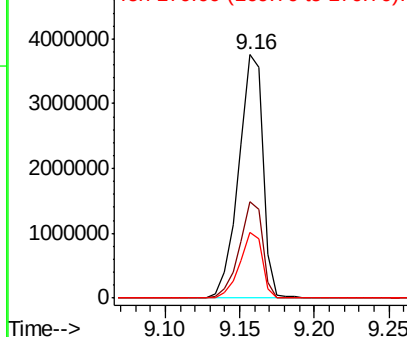
172 100

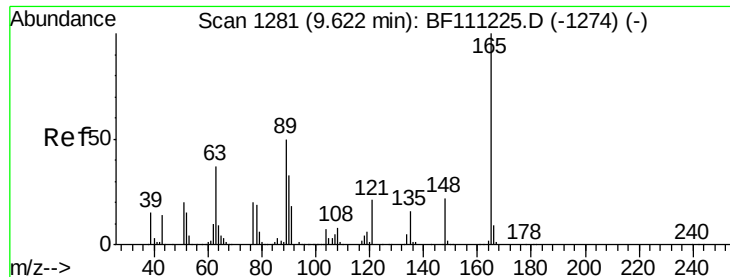
171 39.6 33.0 49.4

170 26.9 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: 7.963 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

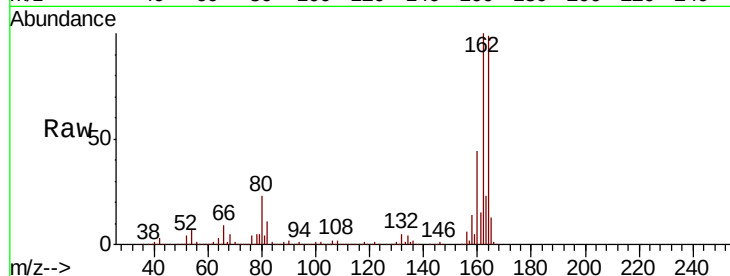
Tot Ion:165 Resp: 149252

Ion Ratio Lower Upper

165 100

63 1.1 40.5 60.7#

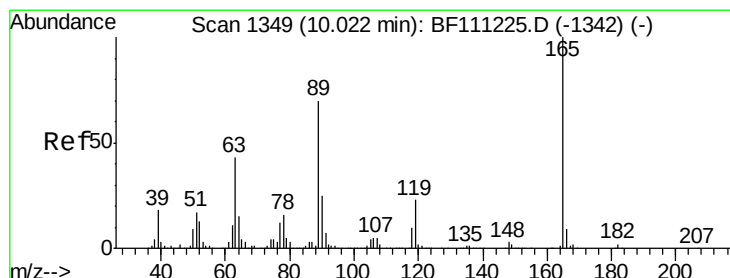
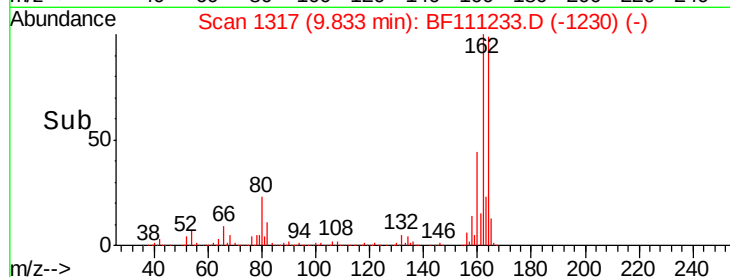
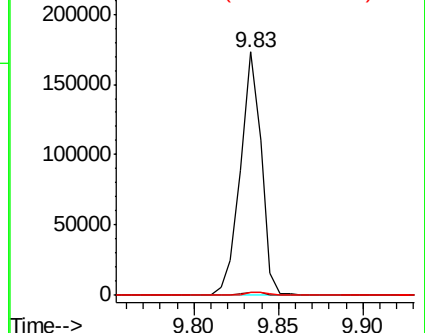
89 1.1 40.0 60.0#



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: 6.459 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Tgt Ion:165 Resp: 149252

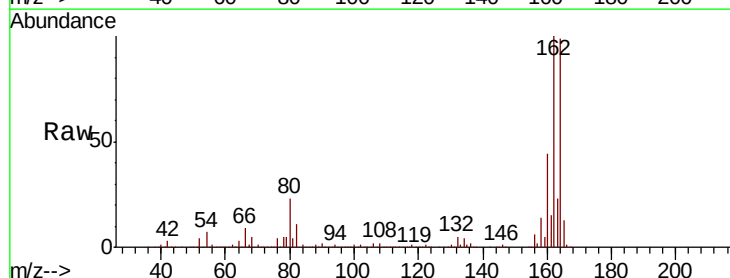
Ion Ratio Lower Upper

165 100

63 1.1 34.6 52.0#

89 1.1 56.2 84.4#

182 0.0 1.8 2.6#

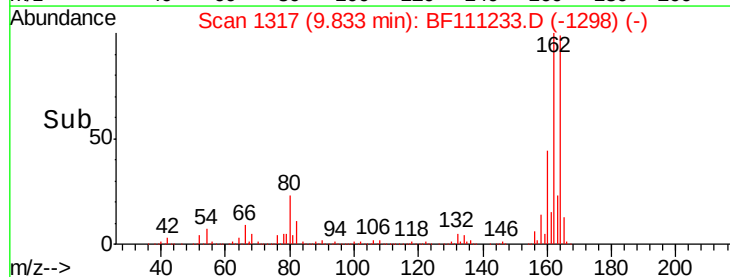
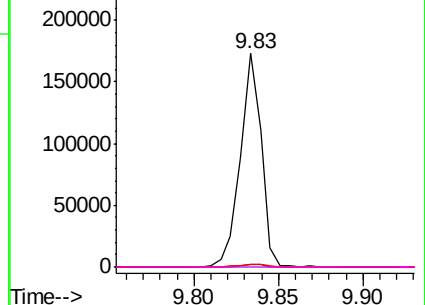


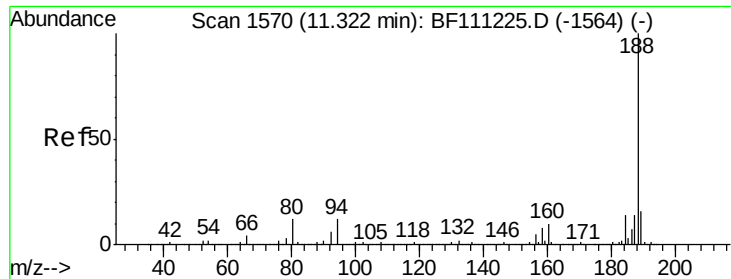
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

Instrument :

BNA_F

ClientSampleId :

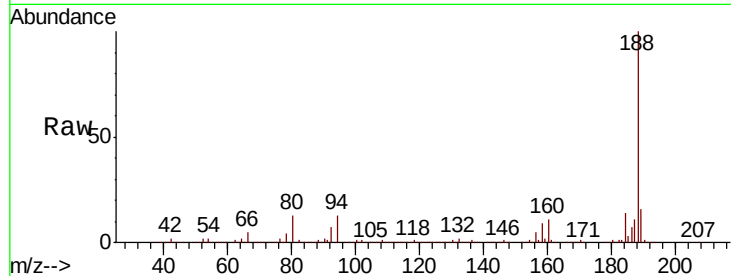
Tot Ion:188 Resp: 1988482

Ion Ratio Lower Upper

188 100

94 12.7 9.6 14.4

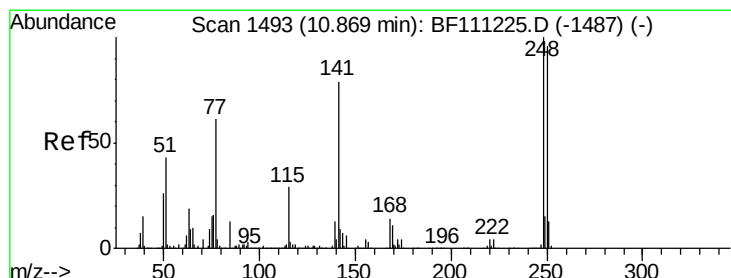
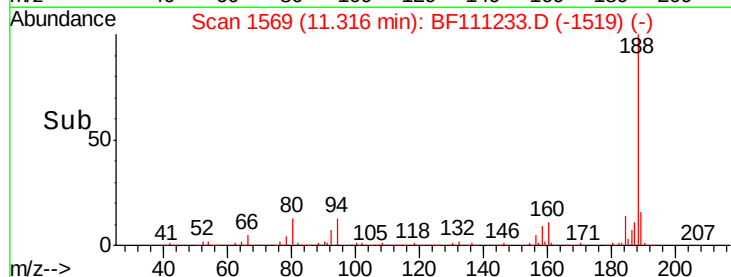
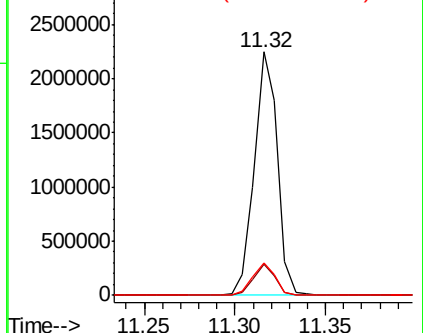
80 13.3 9.8 14.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.663 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF111233.D

Acq: 10 Dec 2018 11:01

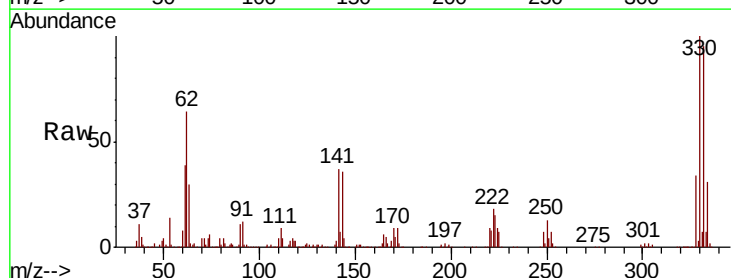
Tgt Ion:248 Resp: 57988

Ion Ratio Lower Upper

248 100

250 190.0 77.0 115.4#

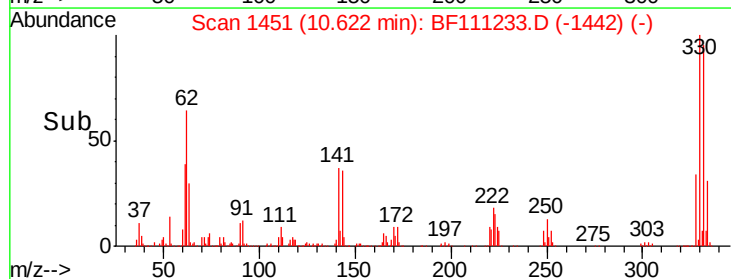
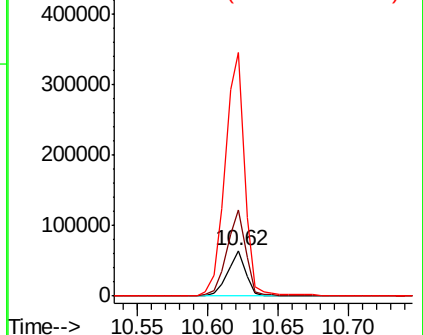
141 534.7 63.0 94.6#

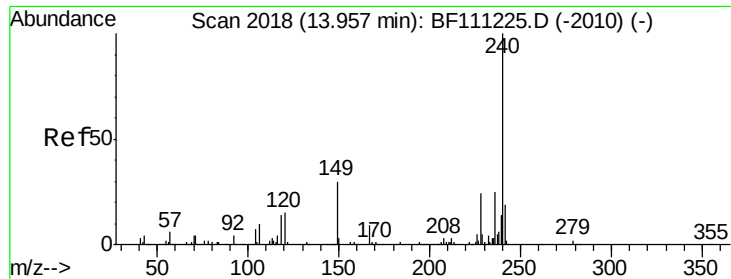


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

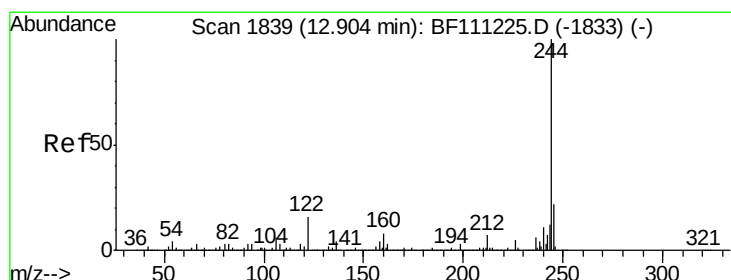
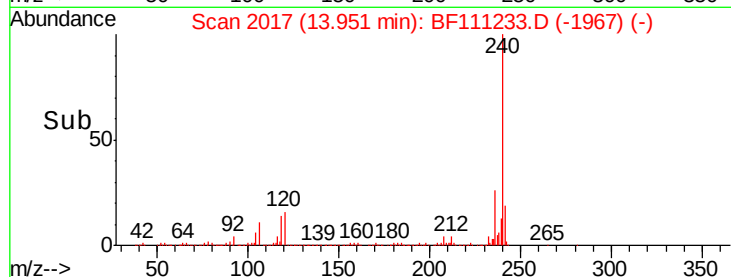
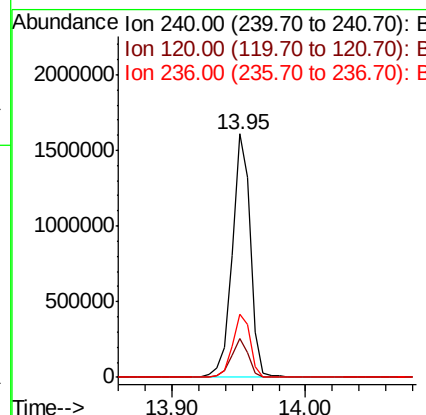
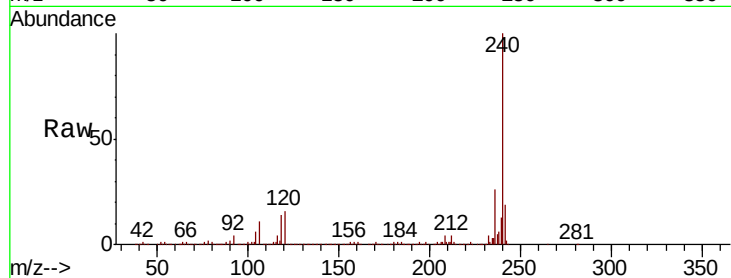




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF111233.D
 Acq: 10 Dec 2018 11:01

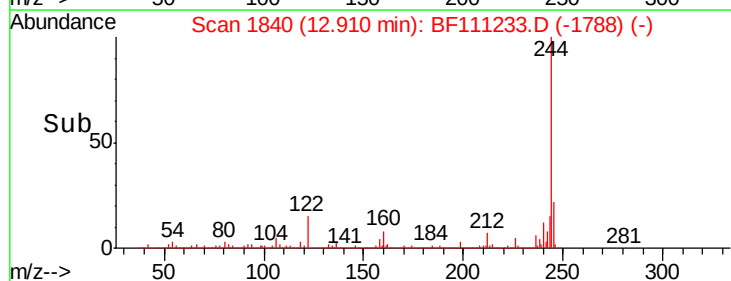
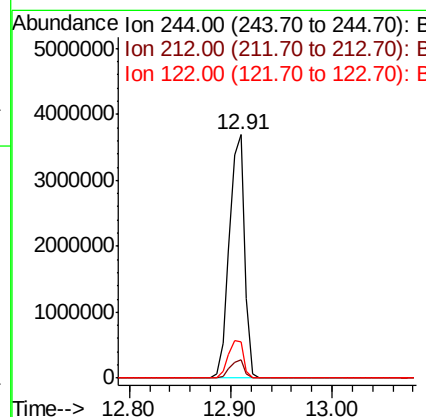
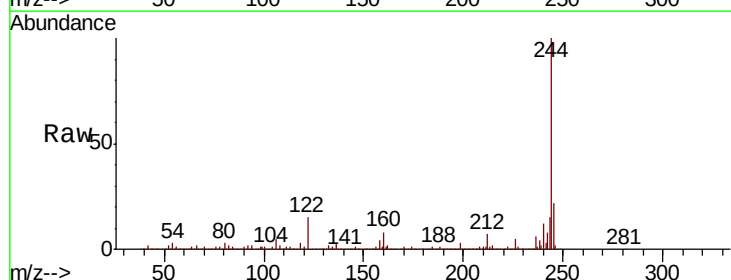
Instrument :
 BNA_F
 ClientSampleId :

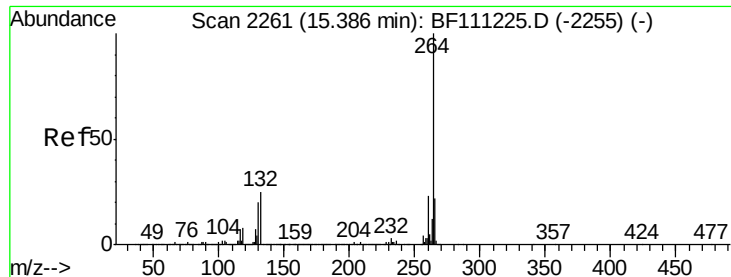
Tot Ion:240 Resp: 1542688
 Ion Ratio Lower Upper
 240 100
 120 15.9 12.2 18.2
 236 25.9 20.2 30.2



#79
 Terphenyl-d14
 Concen: 60.050 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111233.D
 Acq: 10 Dec 2018 11:01

Tgt Ion:244 Resp: 3862110
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 14.7 13.1 19.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111233.D
Acq: 10 Dec 2018 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1152106

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.4	17.7	26.5

