

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110340.D
 Acq On : 31 Oct 2018 18:36
 Operator : JU/SJ
 Sample : J5730-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 03:43:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

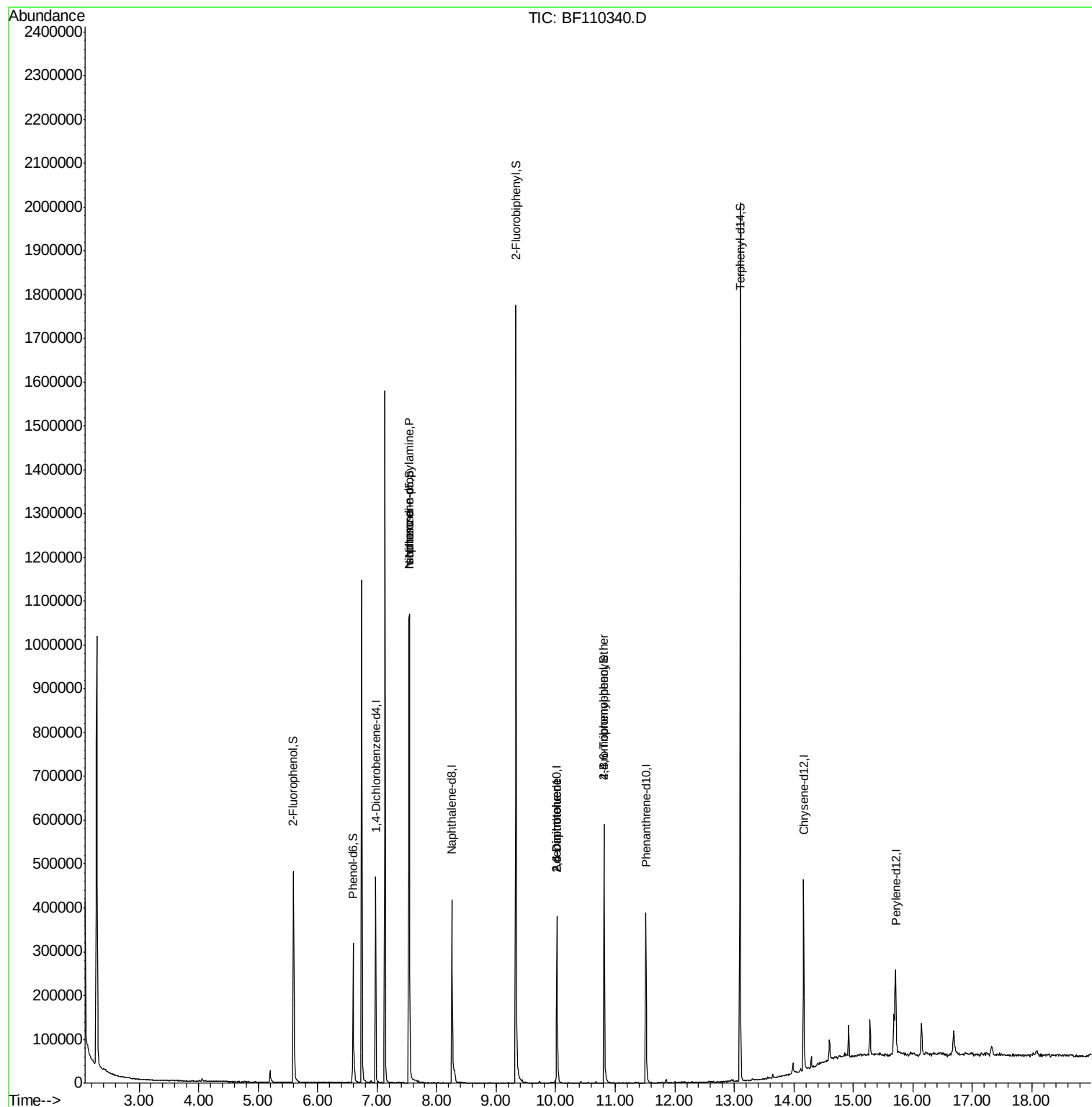
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	67213	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	231761	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	88694	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	166337	20.00	ng	0.00
76) Chrysene-d12	14.17	240	166582	20.00	ng	0.00
87) Perylene-d12	15.71	264	101767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	152500	36.95	ng	0.00
7) Phenol-d6	6.59	99	107244	20.31	ng	-0.01
23) Nitrobenzene-d5	7.54	82	392841	100.54	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	77282	87.96	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	633971	112.24	ng	0.00
79) Terphenyl-d14	13.10	244	654504	81.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	51174	15.109	ng	# 80
25) Isophorone	7.54	82	392839	58.980	ng	# 67
51) 2,6-Dinitrotoluene	10.02	165	11309	8.019	ng	# 21
57) 2,4-Dinitrotoluene	10.02	165	11309	6.313	ng	# 17
67) 4-Bromophenyl-phenylether	10.81	248	4817	2.670	ng	# 1

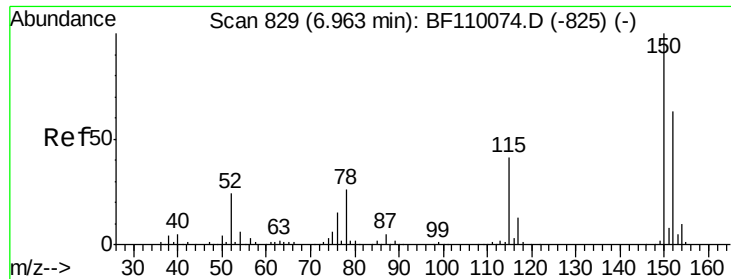
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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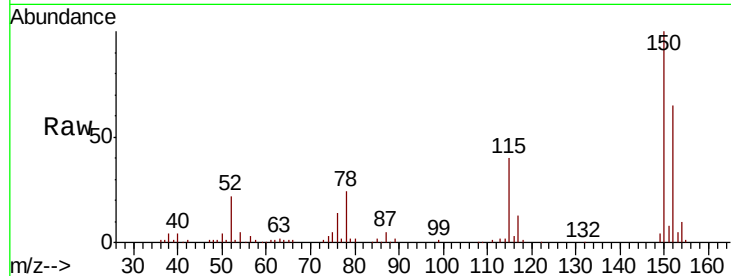


#1

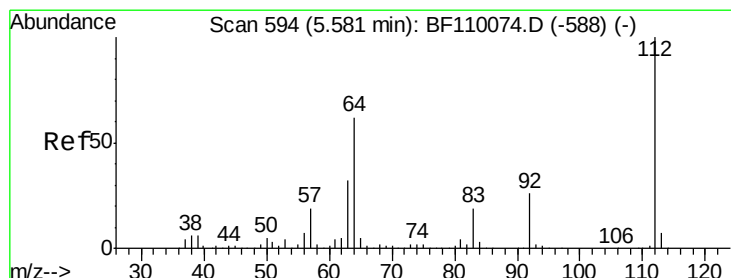
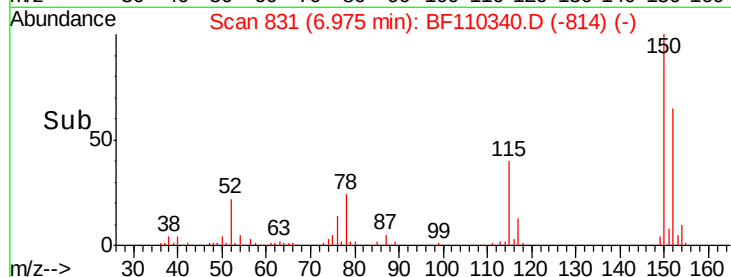
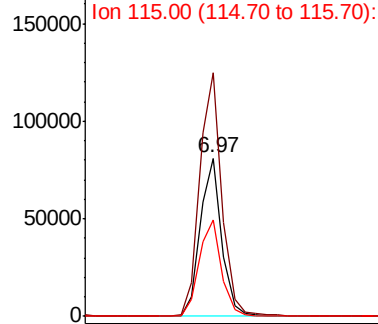
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF110340.D
Acq: 31 Oct 2018 18:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67213
Ion Ratio Lower Upper
152 100
150 153.9 122.7 184.1
115 60.9 49.1 73.7



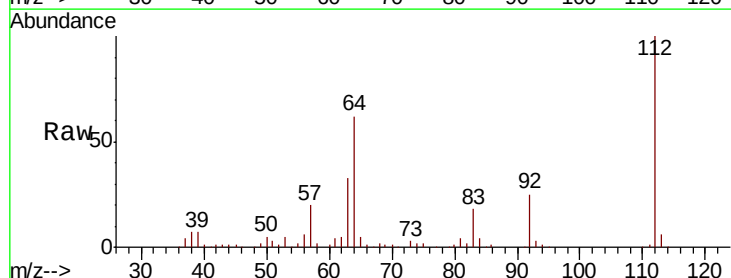
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



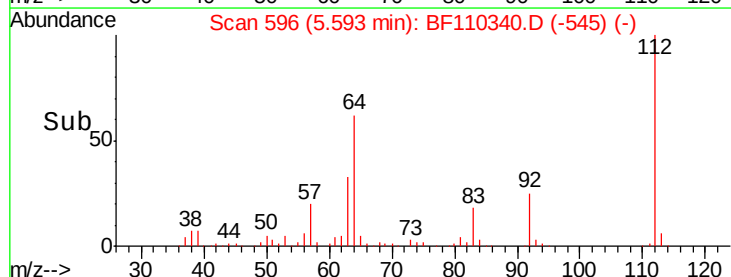
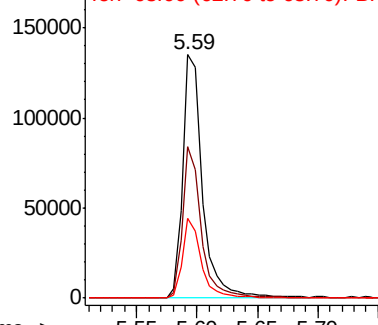
#5

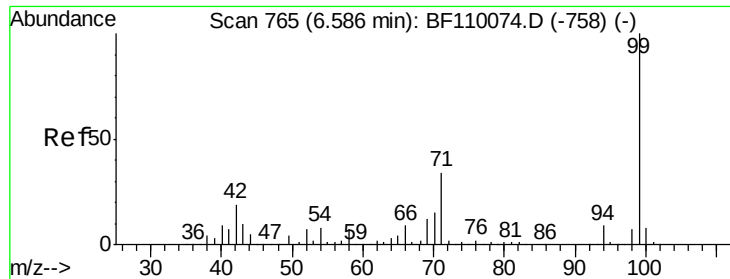
2-Fluorophenol
Concen: 36.948 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF110340.D
Acq: 31 Oct 2018 18:36

Tgt Ion:112 Resp: 152500
Ion Ratio Lower Upper
112 100
64 62.1 44.1 66.1
63 32.5 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: 20.314 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Instrument :

BNA_F

ClientSampleId :

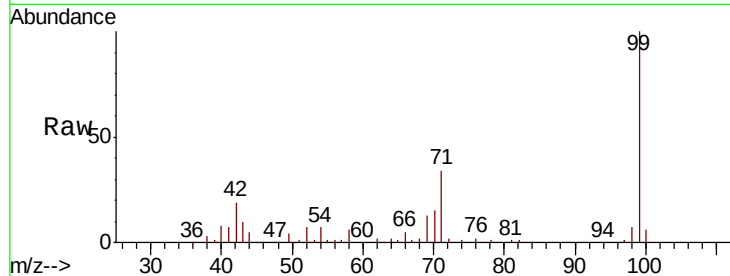
Tot Ion: 99 Resp: 107244

Ion Ratio Lower Upper

99 100

42 19.4 15.8 23.6

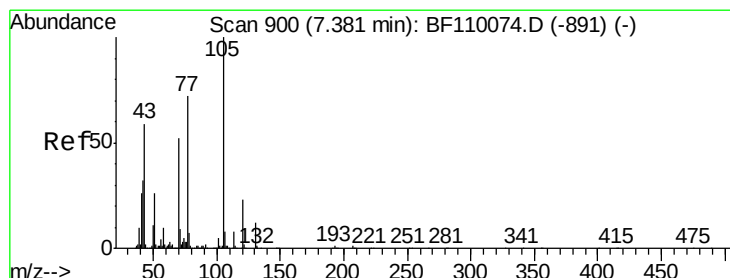
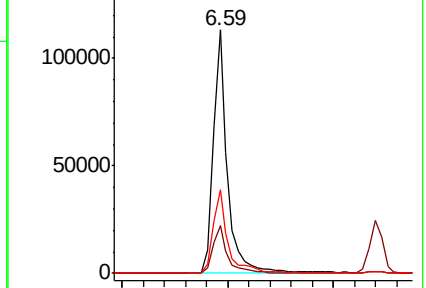
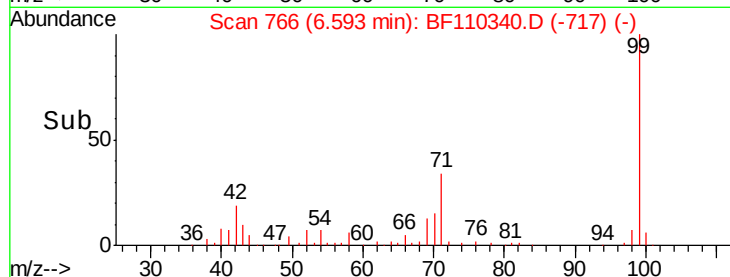
71 34.3 28.0 42.0



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: 15.109 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Tgt Ion: 70 Resp: 51174

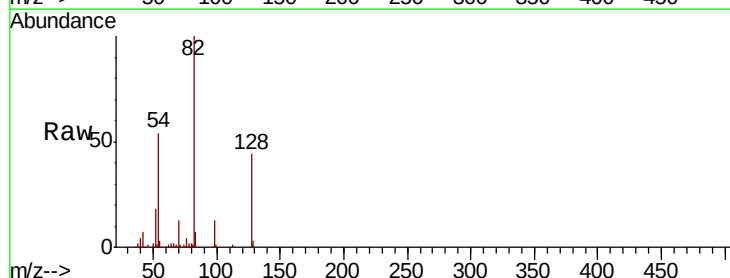
Ion Ratio Lower Upper

70 100

42 49.7 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#

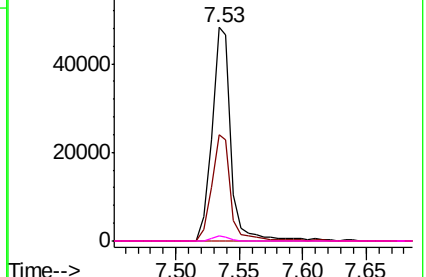
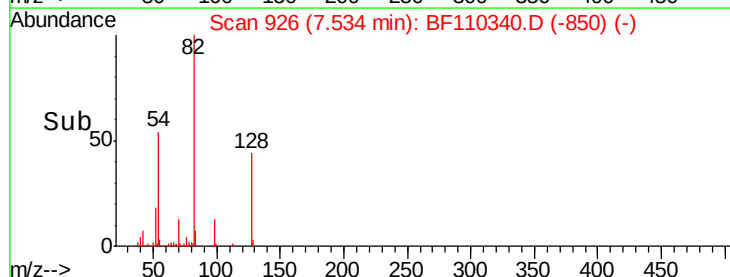


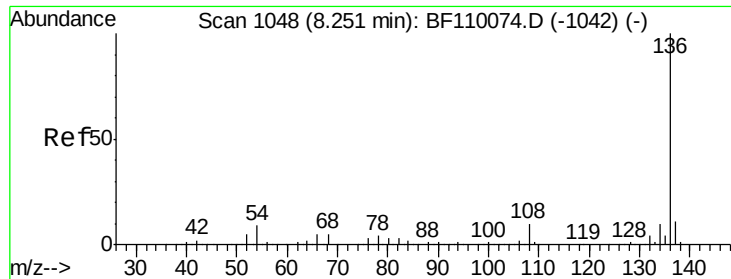
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

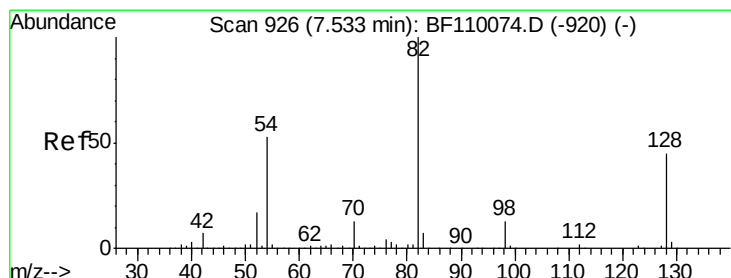
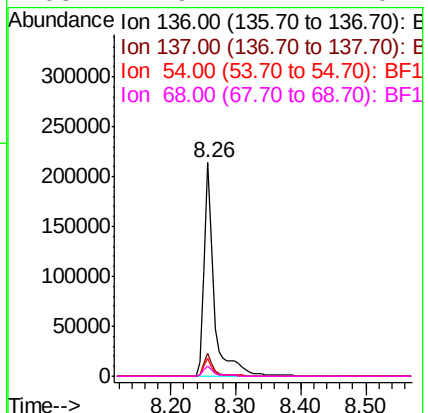
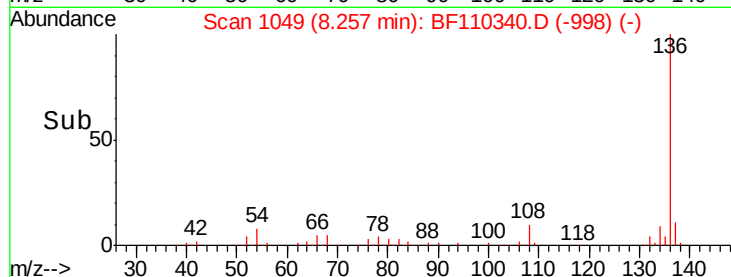
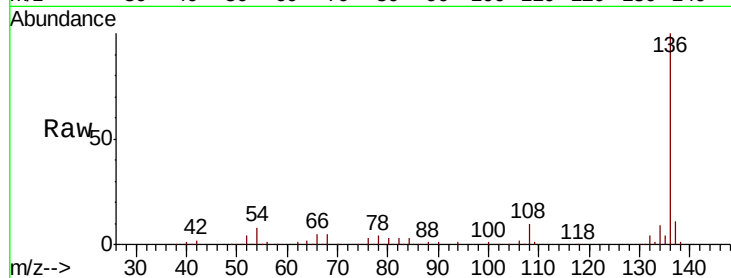




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF110340.D
Acq: 31 Oct 2018 18:36

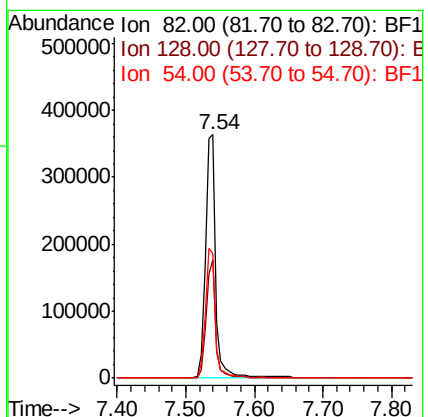
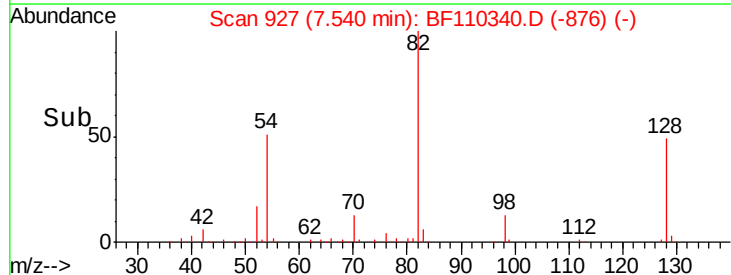
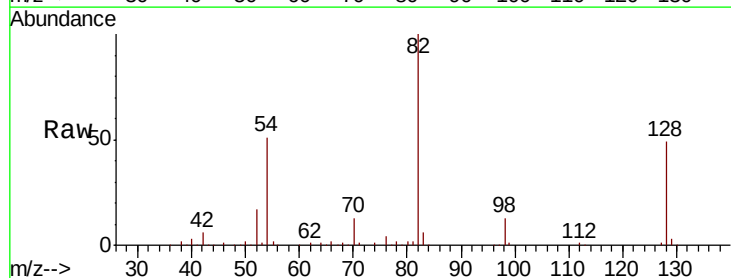
Instrument :
BNA_F
ClientSampleId :

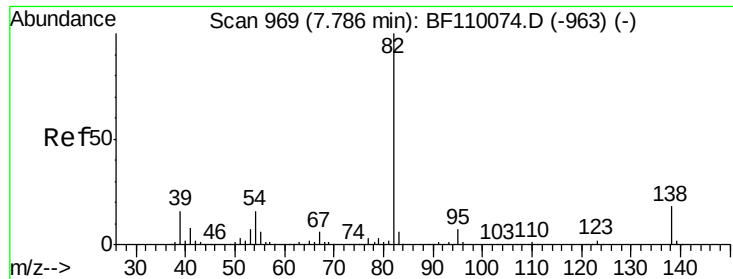
Tot Ion:136 Resp: 231761
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.2 5.4 8.2#
68 4.9 4.2 6.2



#23
Nitrobenzene-d5
Concen: 100.537 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF110340.D
Acq: 31 Oct 2018 18:36

Tgt Ion: 82 Resp: 392841
Ion Ratio Lower Upper
82 100
128 48.7 34.2 51.2
54 51.4 38.6 58.0





#25

Isophorone

Concen: 58.980 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Instrument :

BNA_F

ClientSampled :

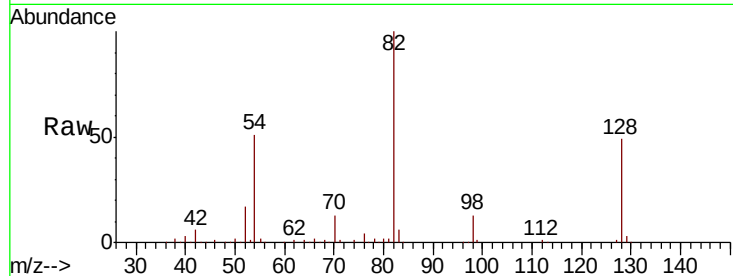
Tot Ion: 82 Resp: 392839

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

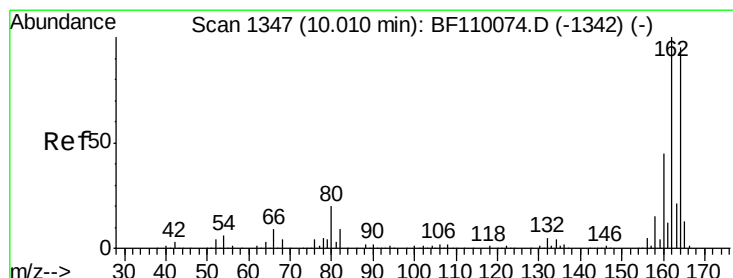
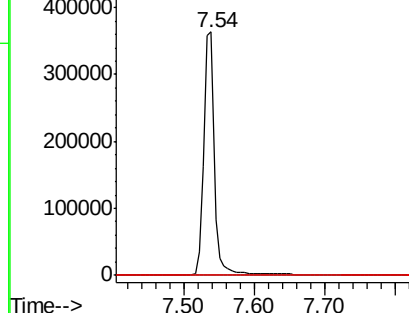
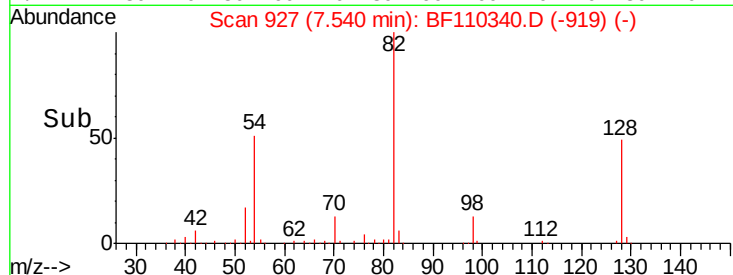
138 0.0 13.2 19.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

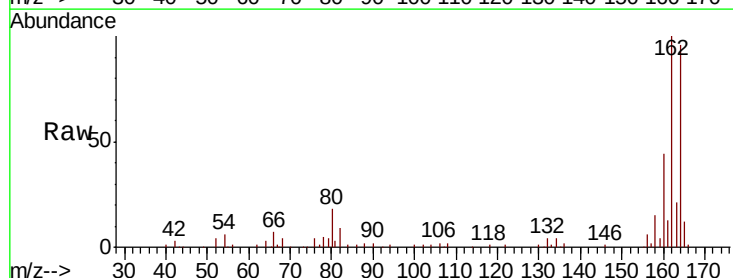
Tgt Ion: 164 Resp: 88694

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

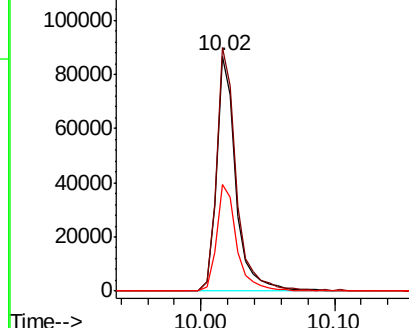
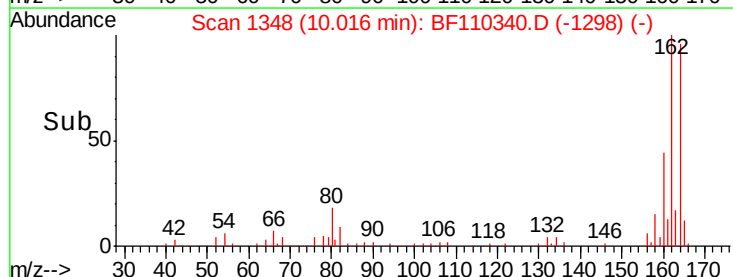
160 45.3 37.0 55.6

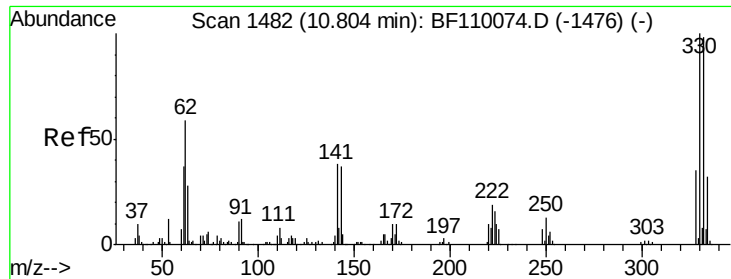


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.963 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Instrument :

BNA_F

ClientSampleId :

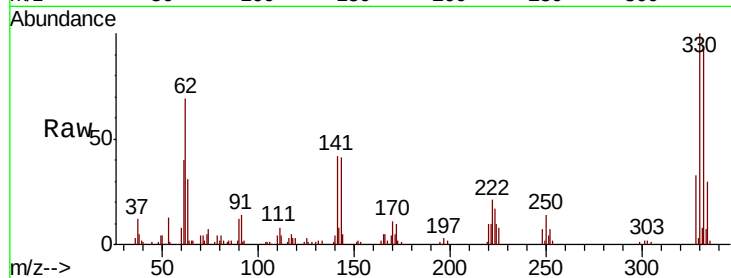
Tot Ion:330 Resp: 77282

Ion Ratio Lower Upper

330 100

332 95.4 77.1 115.7

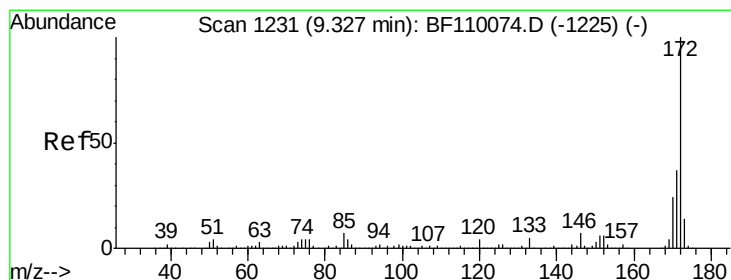
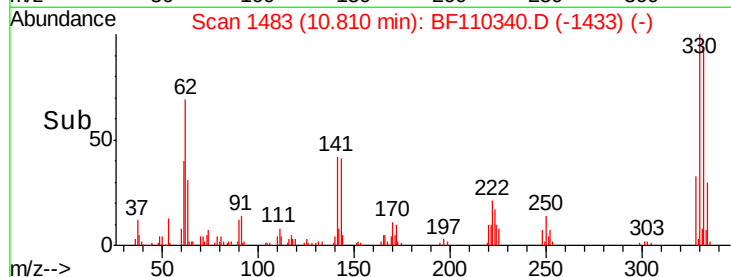
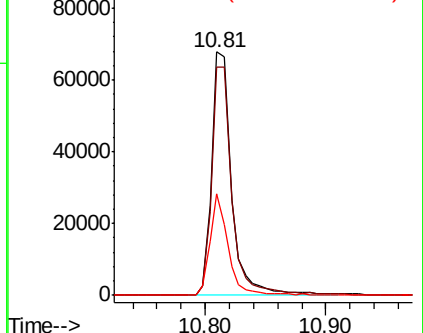
141 37.6 27.0 40.4



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: 112.240 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

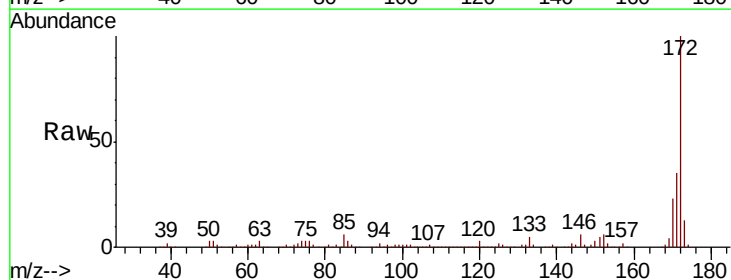
Tgt Ion:172 Resp: 633971

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

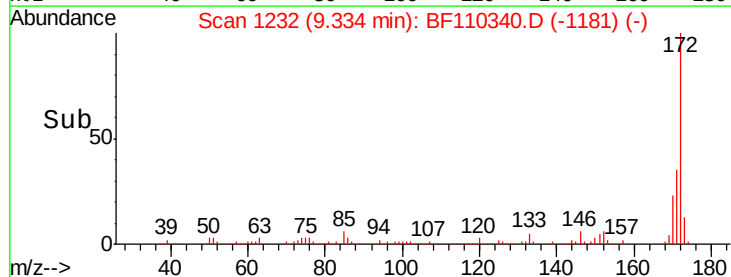
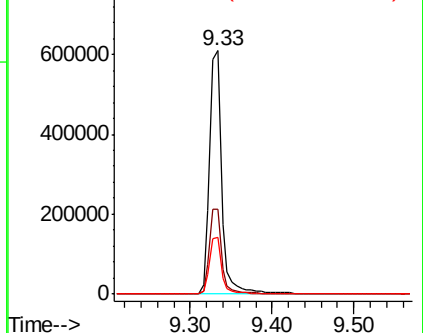
170 23.3 19.7 29.5

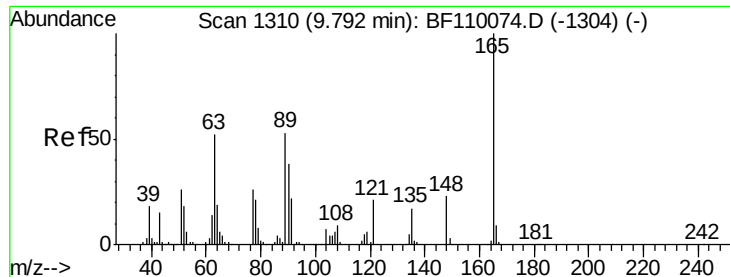


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

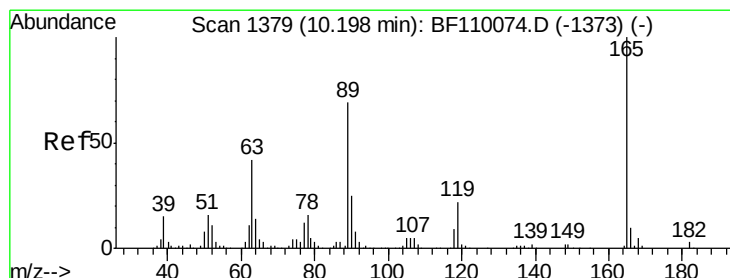
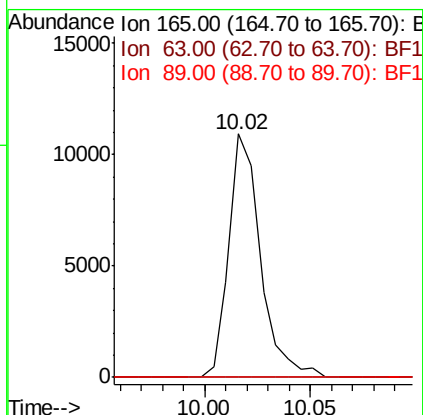
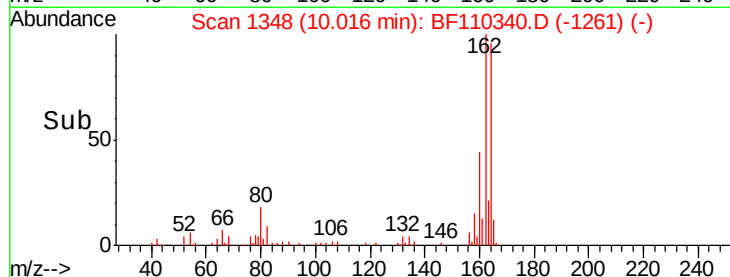
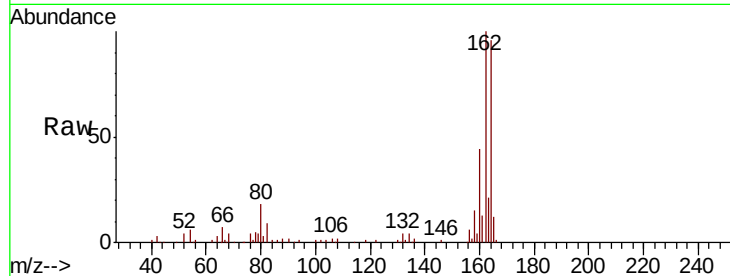




#51
 2,6-Dinitrotoluene
 Concen: 8.019 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.21 min
 Lab File: BF110340.D
 Acq: 31 Oct 2018 18:36

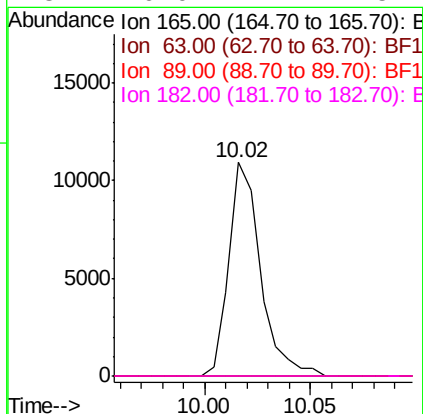
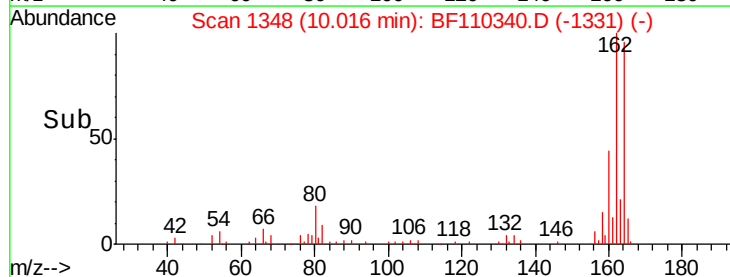
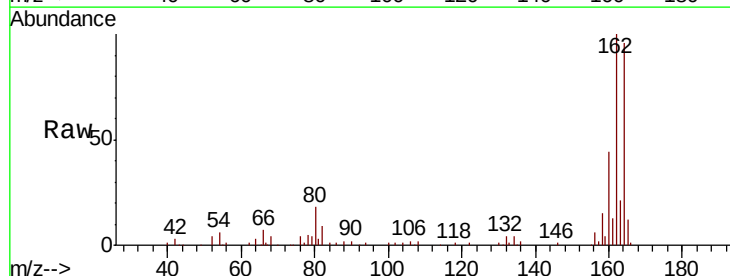
Instrument :
 BNA_F
 ClientSampleId :

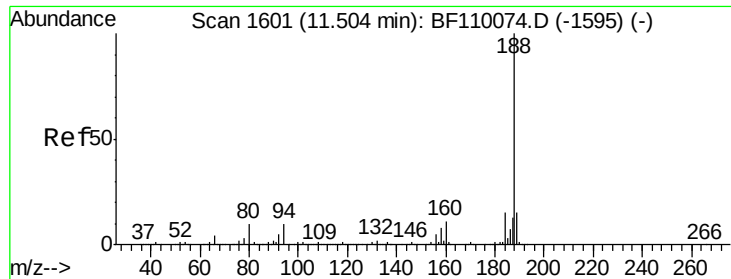
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.313 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.20 min
 Lab File: BF110340.D
 Acq: 31 Oct 2018 18:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Instrument :

BNA_F

ClientSampleId :

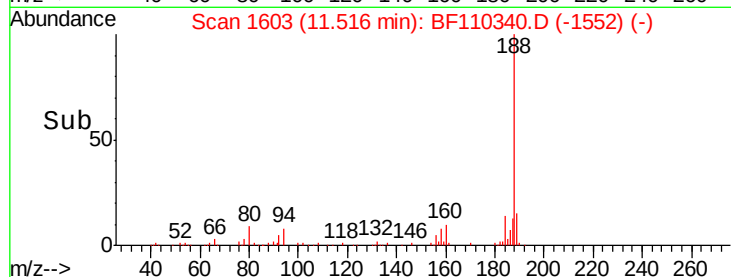
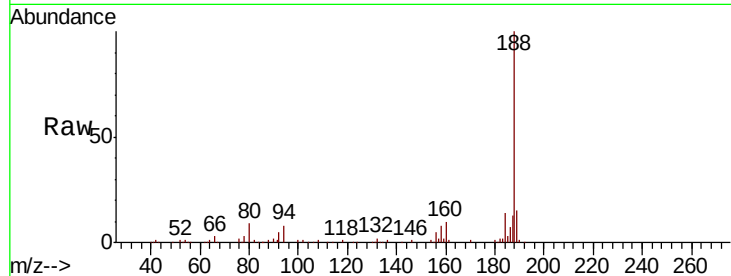
Tot Ion:188 Resp: 166337

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

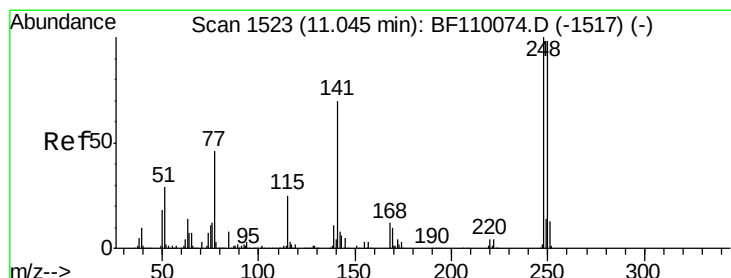
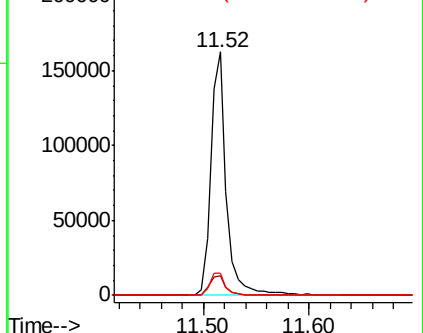
80 8.9 7.9 11.9



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: 2.670 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.24 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

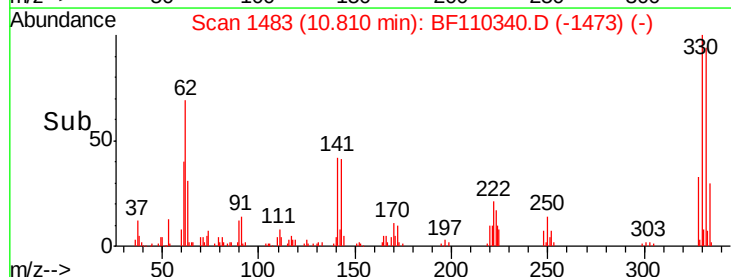
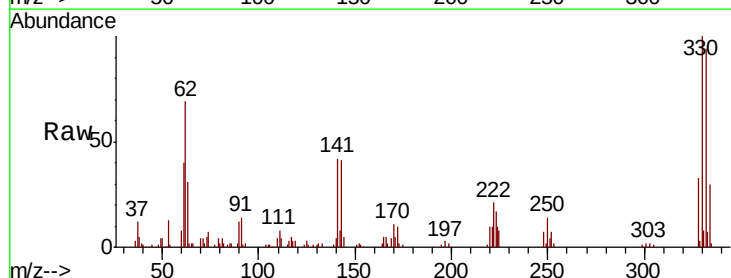
Tgt Ion:248 Resp: 4817

Ion Ratio Lower Upper

248 100

250 186.5 79.4 119.2#

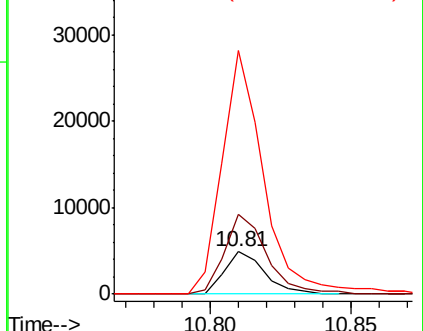
141 571.7 55.9 83.9#

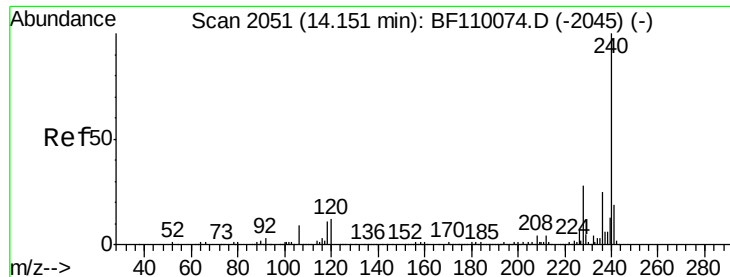


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

Instrument :

BNA_F

ClientSampleId :

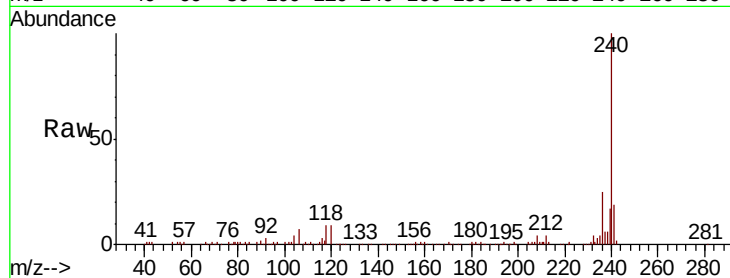
Tot Ion:240 Resp: 166582

Ion Ratio Lower Upper

240 100

120 9.4 8.3 12.5

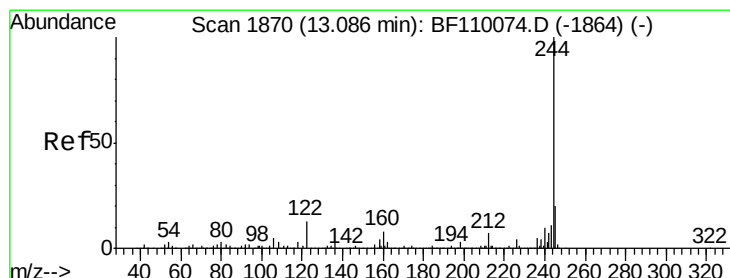
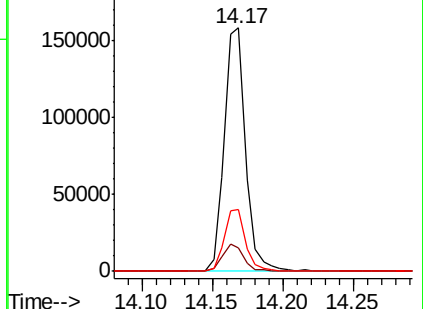
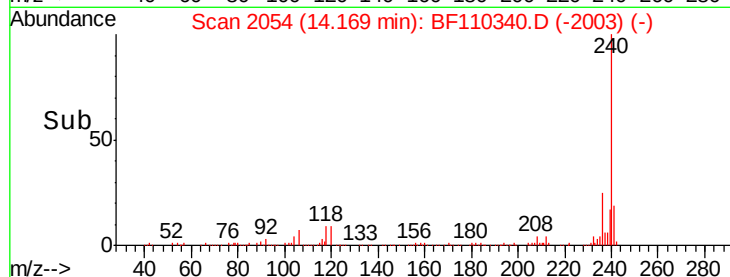
236 25.2 21.2 31.8



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: 81.712 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF110340.D

Acq: 31 Oct 2018 18:36

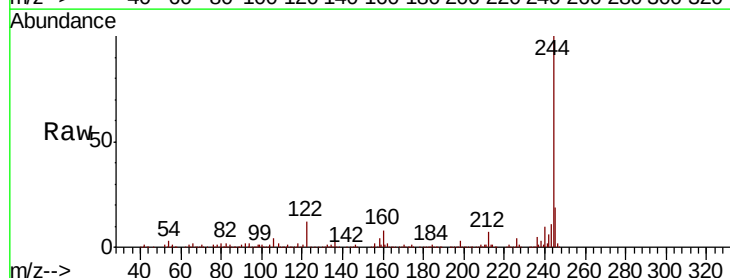
Tgt Ion:244 Resp: 654504

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

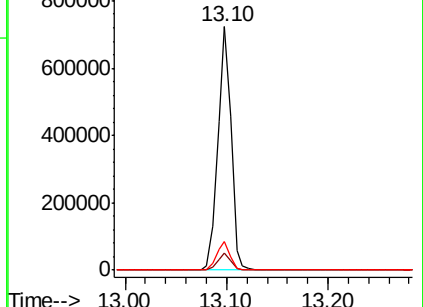
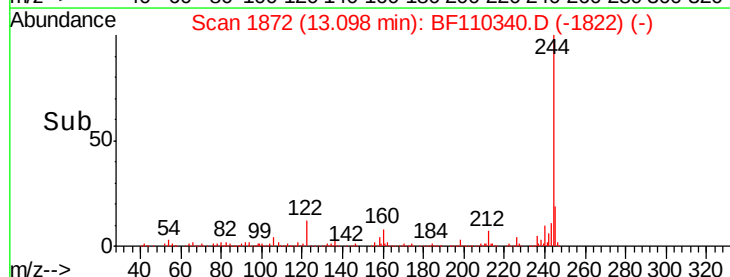
122 12.0 8.7 13.1

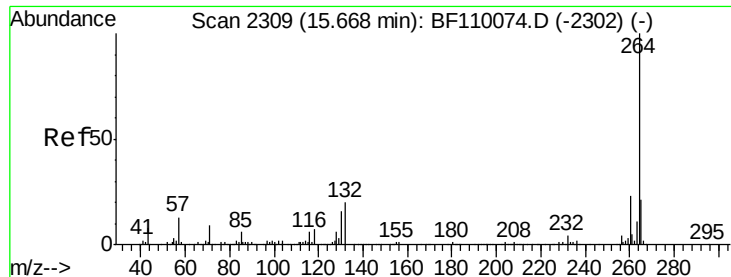


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF110340.D
Acq: 31 Oct 2018 18:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.4	16.7	25.1

