

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104969.D
 Acq On : 1 May 2018 8:15
 Operator : JU/SJ
 Sample : J2617-12
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 11:17:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

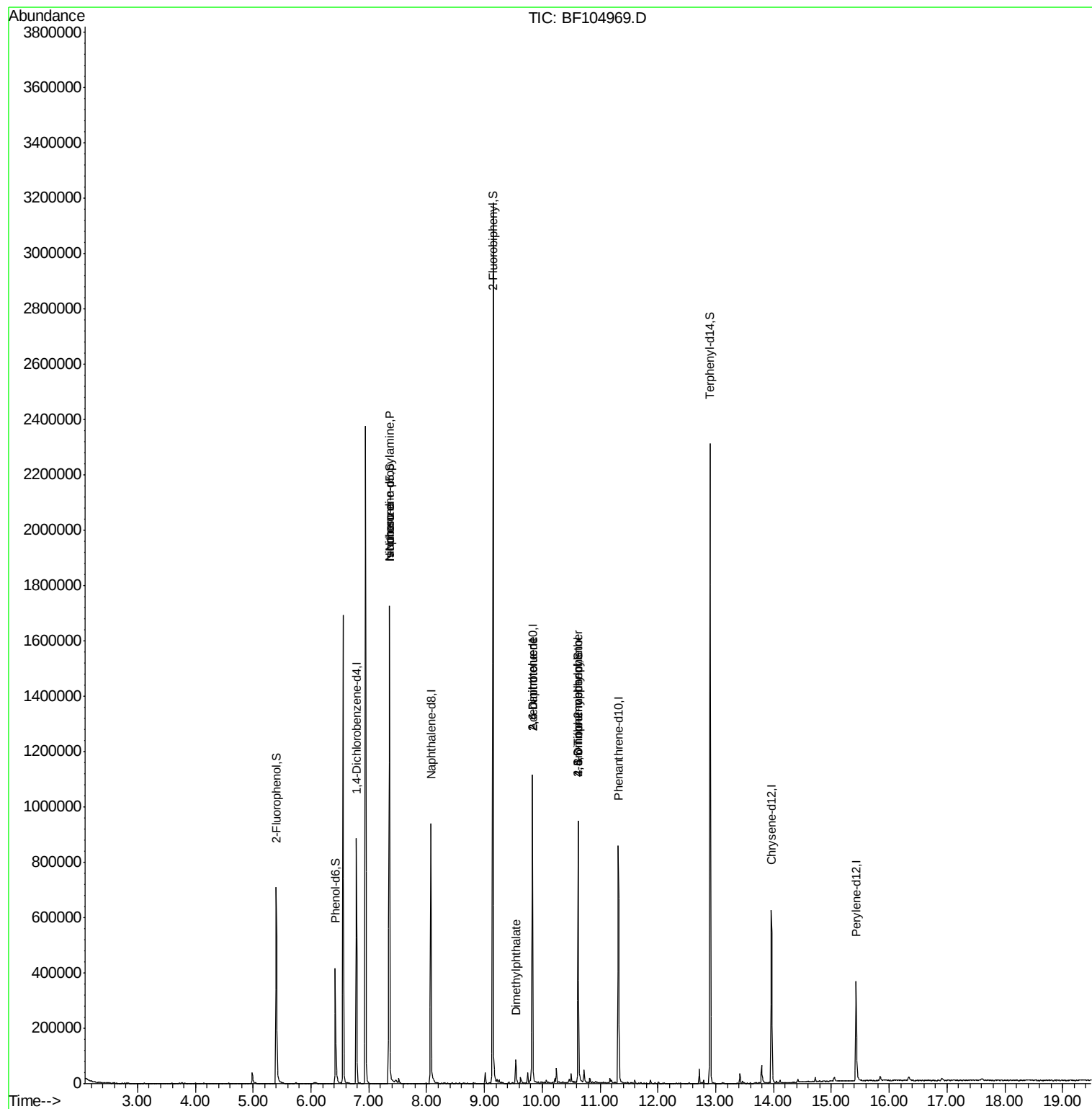
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	126825	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	514848	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	218991	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	336554	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	240015	20.00	ng	-0.01
86) Perylene-d12	15.43	264	183697	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	236372	28.50	ng	0.00
7) Phenol-d6	6.42	99	170683	16.75	ng	-0.02
23) Nitrobenzene-d5	7.36	82	630141	79.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	133433	58.74	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1099137	79.29	ng	0.00
78) Terphenyl-d14	12.90	244	817131	77.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	81898	12.298	ng	# 73
25) Isophorone	7.36	82	630134	37.794	ng	# 64
49) Dimethylphthalate	9.55	163	42269	2.448	ng	100
50) 2,6-Dinitrotoluene	9.83	165	27860	8.719	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	27860	6.647	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	109	7.403	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	8017	2.239	ng	# 1
76) Benzidine	12.90	184	10329	Below Cal		94

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

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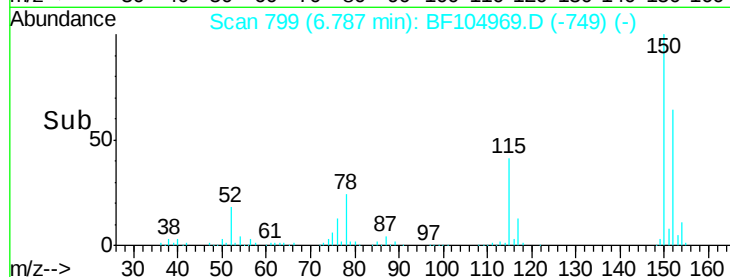
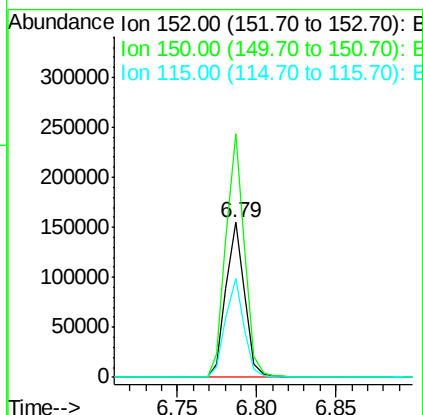
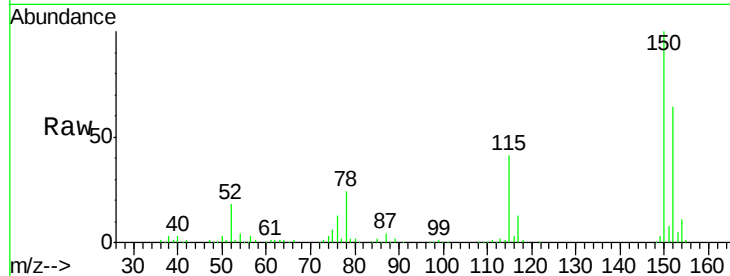


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104969.D
Acq: 1 May 2018 8:15

Instrument :
BNA_F
ClientSampleId :

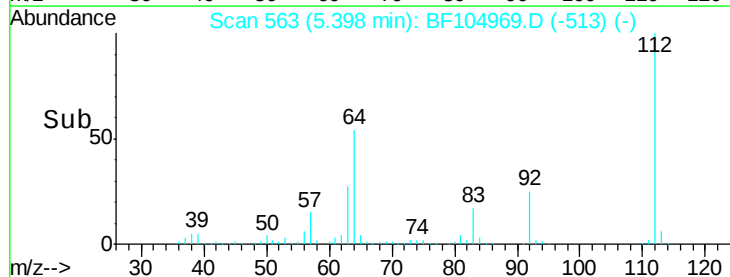
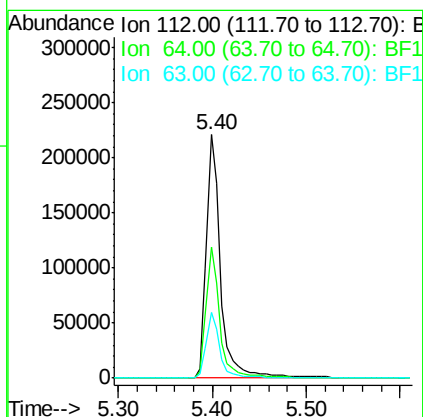
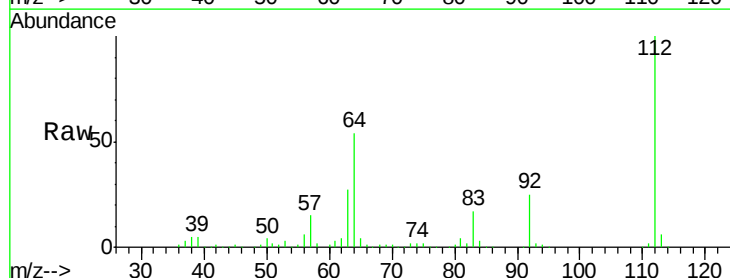
Tot Ion:152 Resp: 126825
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 63.8 50.1 75.1

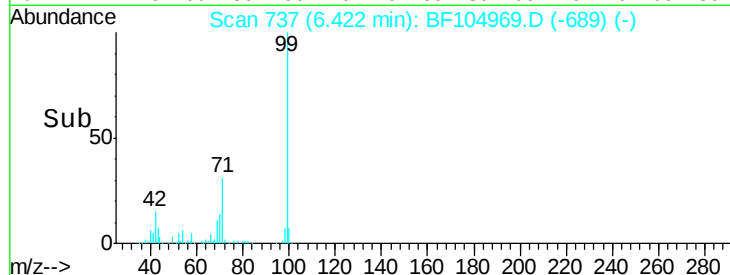
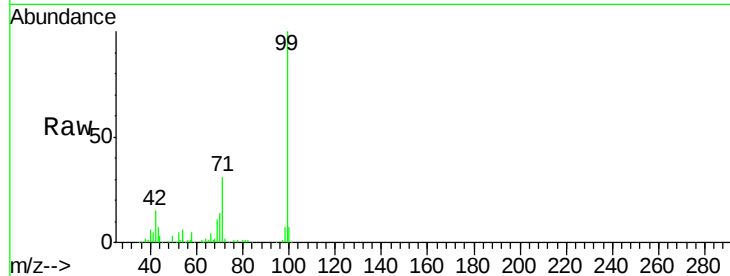


#5

2-Fluorophenol
Concen: 28.498 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF104969.D
Acq: 1 May 2018 8:15

Tgt Ion:112 Resp: 236372
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.2 23.7 35.5





#7

Phenol-d6

Concen: 16.748 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

Instrument :

BNA_F

ClientSampleId :

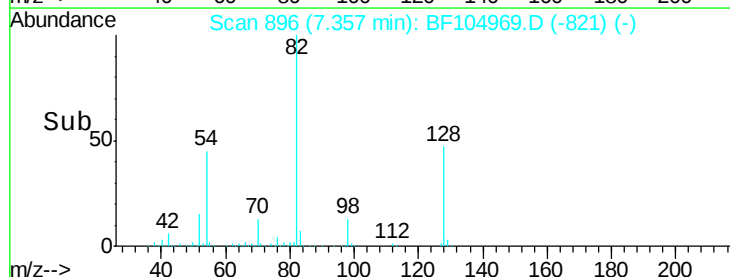
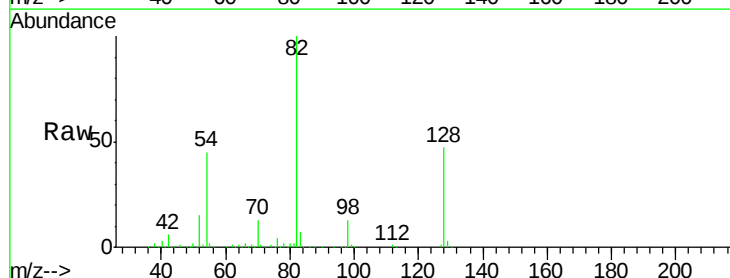
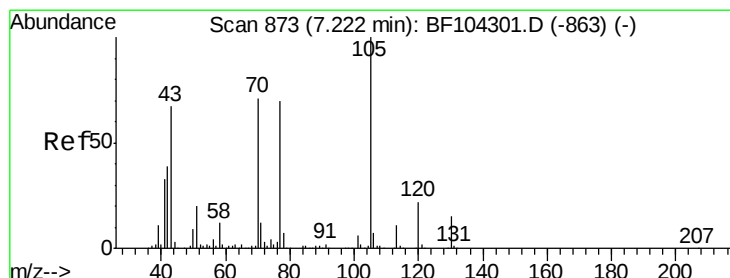
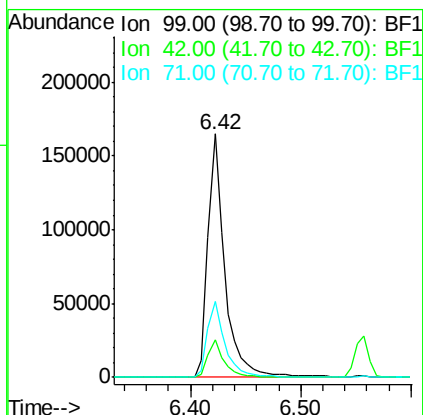
Tot Ion: 99 Resp: 170683

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 31.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.298 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

Tgt Ion: 70 Resp: 81898

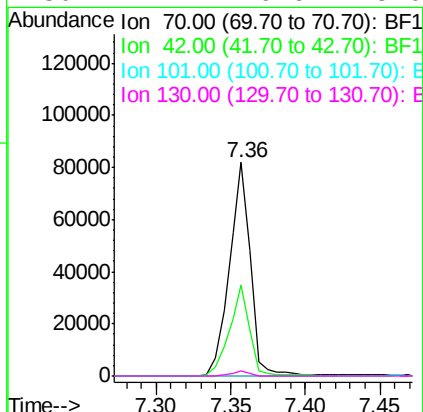
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 514848

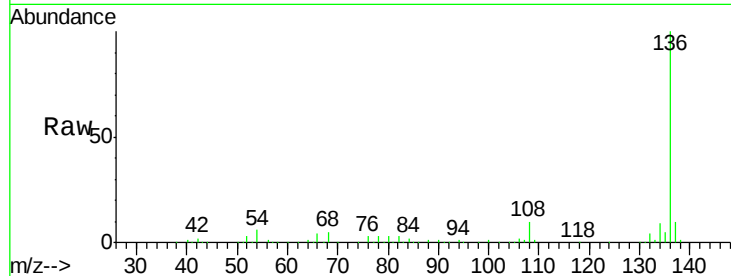
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.0 6.6 9.8#

68 5.3 5.0 7.4

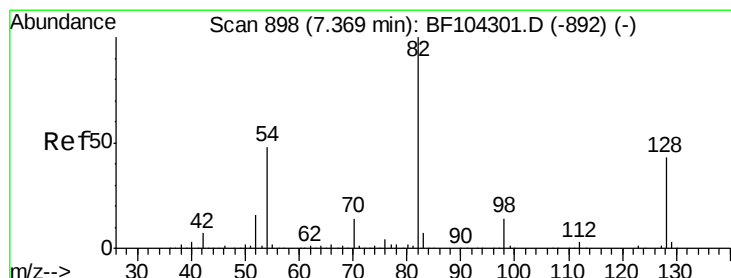
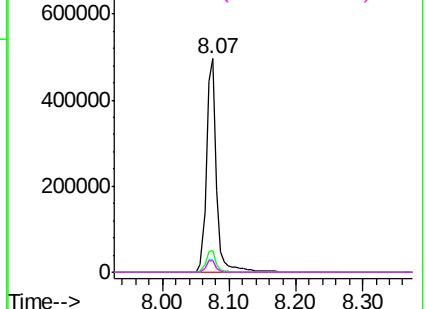
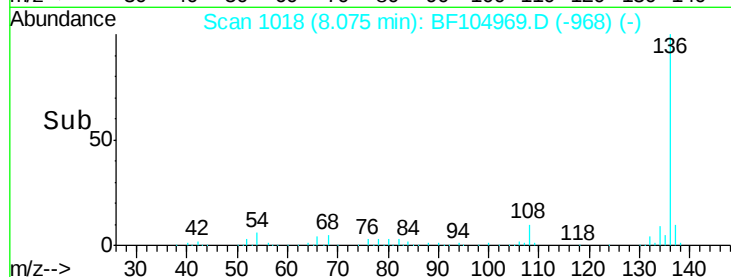


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.921 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

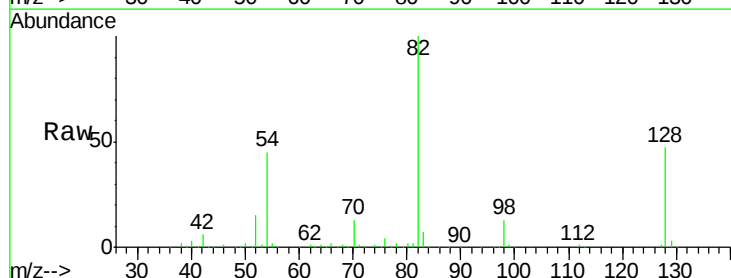
Tgt Ion: 82 Resp: 630141

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

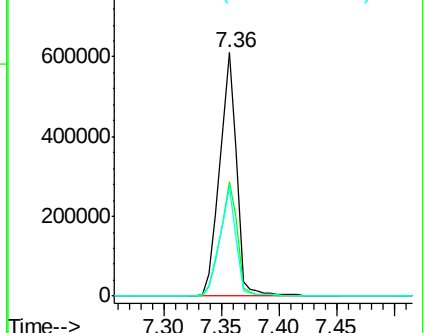
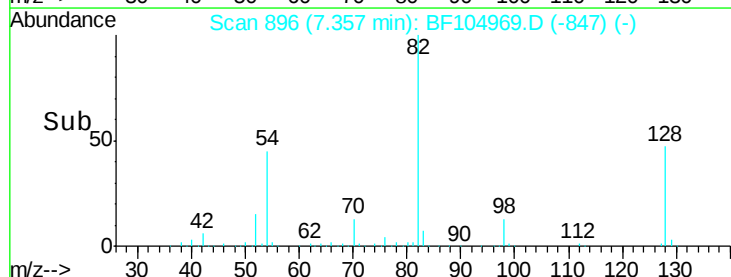
54 45.0 41.4 62.2



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

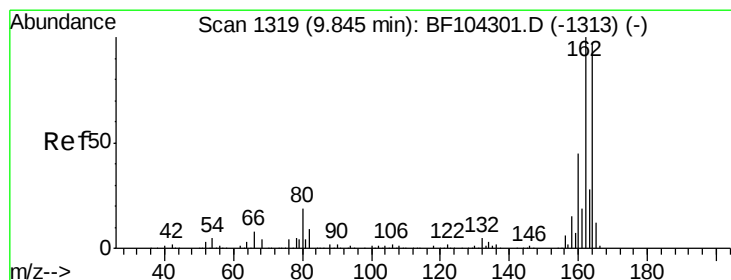
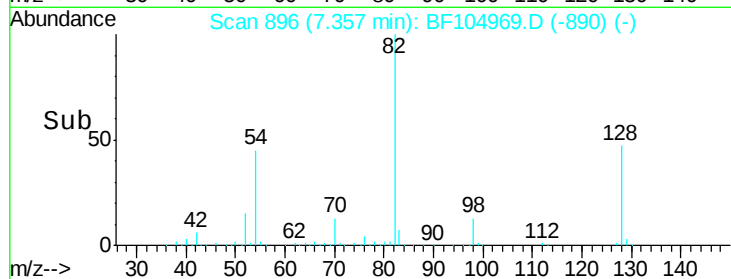
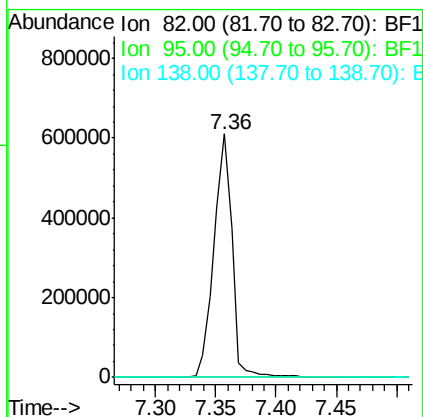
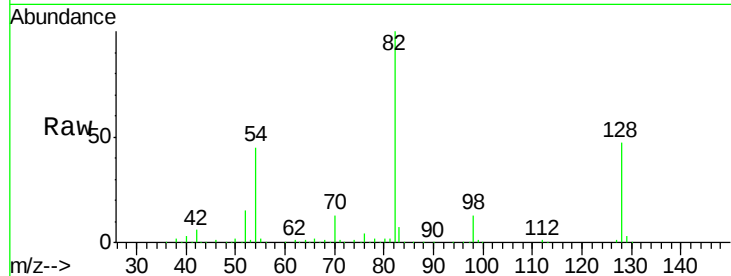




#25
Isophorone
Concen: 37.794 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104969.D
Acq: 1 May 2018 8:15

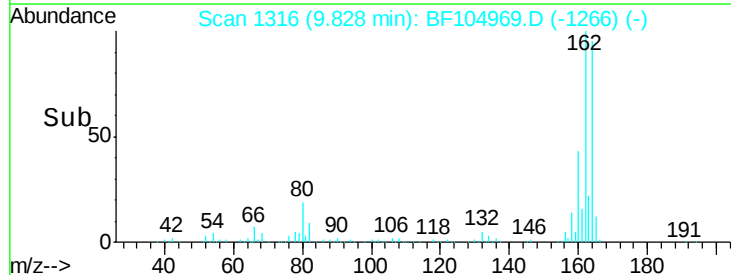
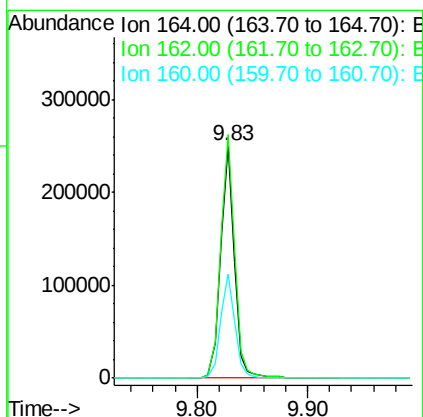
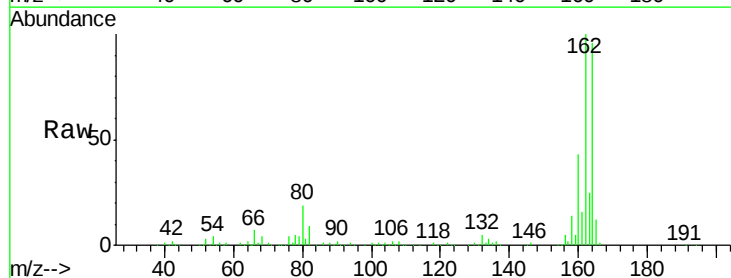
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 630134
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104969.D
Acq: 1 May 2018 8:15

Tgt Ion:164 Resp: 218991
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 44.5 38.3 57.5

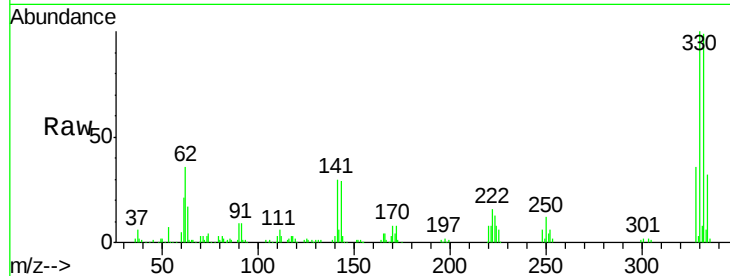




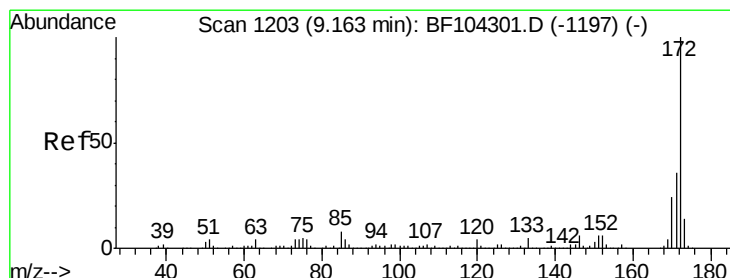
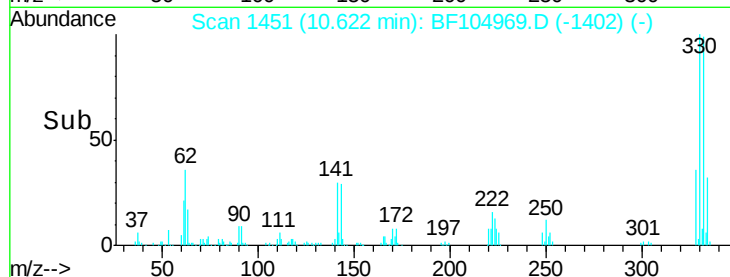
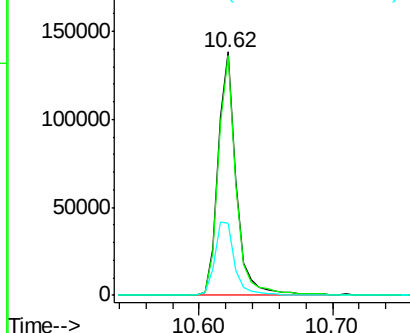
#41
 2,4,6-Tribromophenol
 Concen: 58.738 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	133433
Ion Ratio	100	Lower	Upper
330	100	77.0	115.6
332	97.7	29.9	44.9
141	33.4		

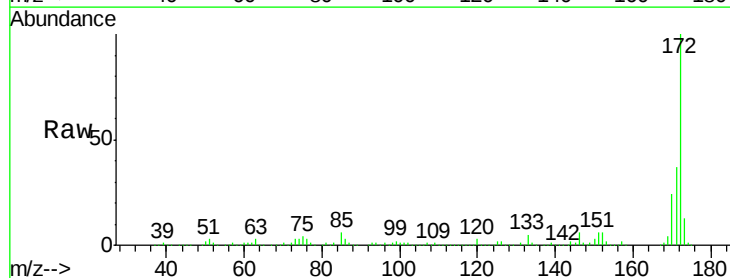


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

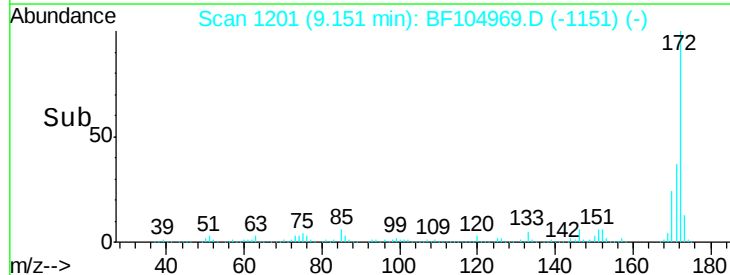
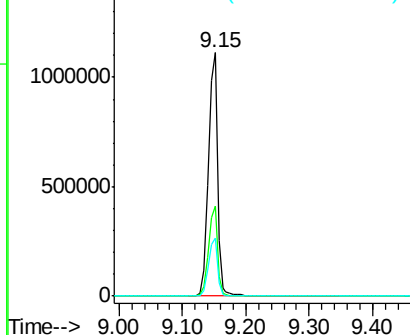


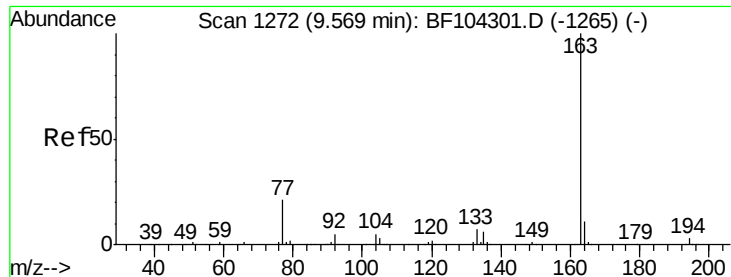
#44
 2-Fluorobiphenyl
 Concen: 79.289 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

Tgt Ion	172	Resp	1099137
Ion Ratio	100	Lower	Upper
172	100	29.7	44.5
171	37.1	19.6	29.4
170	24.0		



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: 2.448 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

Instrument :

BNA_F

ClientSampled :

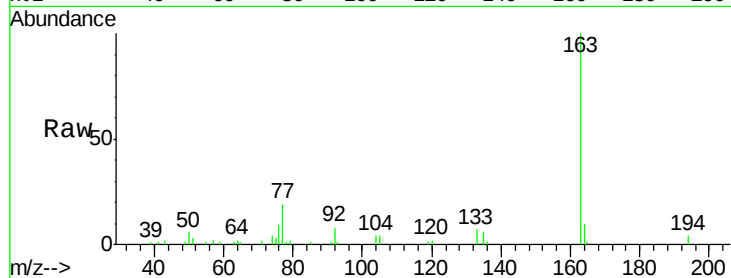
Tot Ion:163 Resp: 42269

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

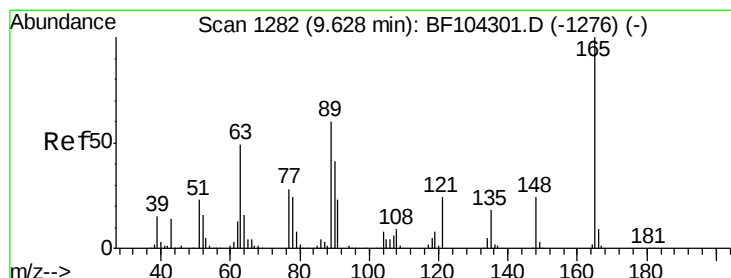
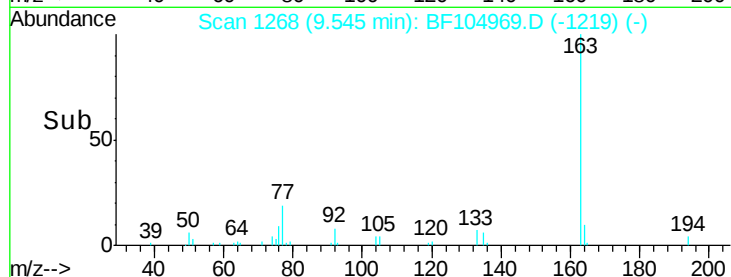
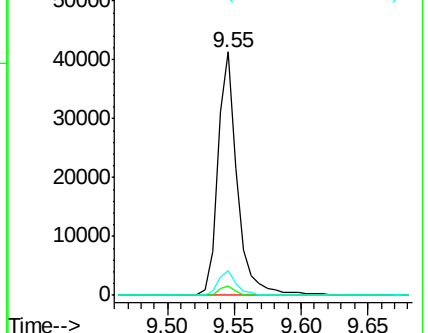
164 10.2 8.2 12.2



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: 8.719 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

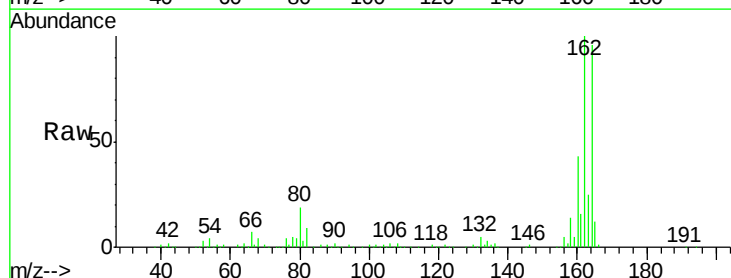
Tgt Ion:165 Resp: 27860

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

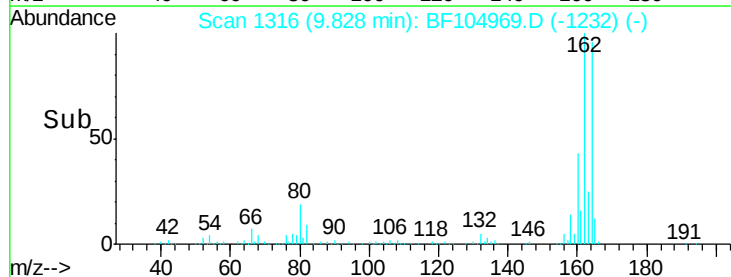
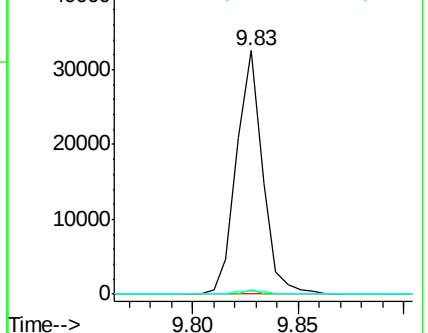
89 1.3 44.0 66.0#

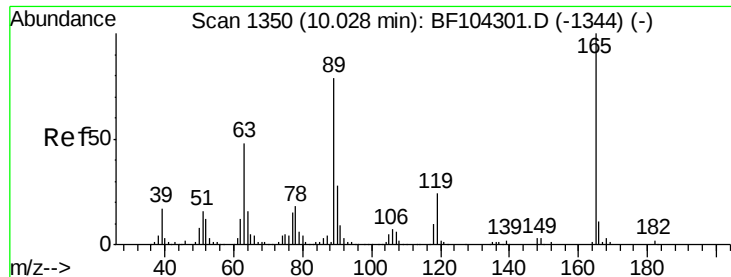


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

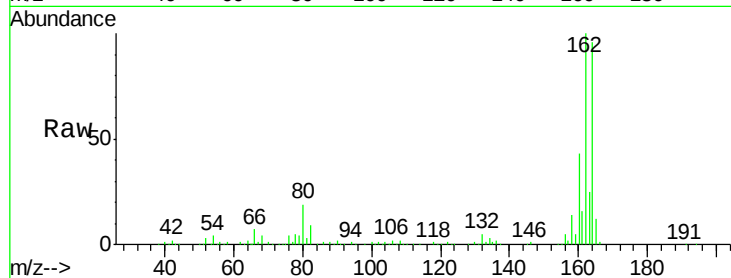




#56
 2,4-Dinitrotoluene
 Concen: 6.647 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

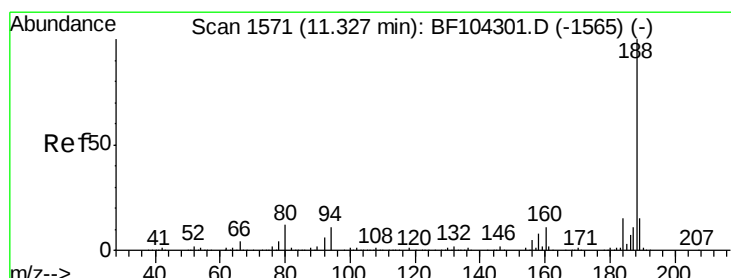
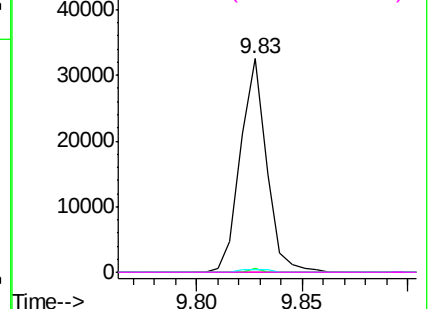
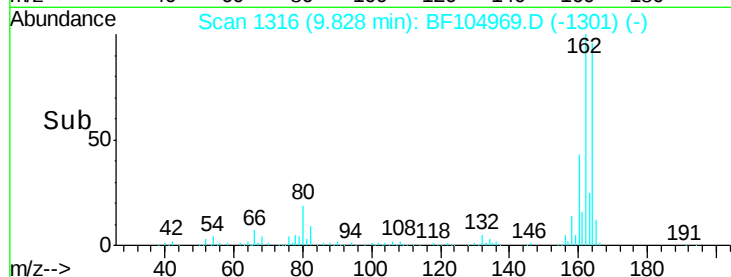


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

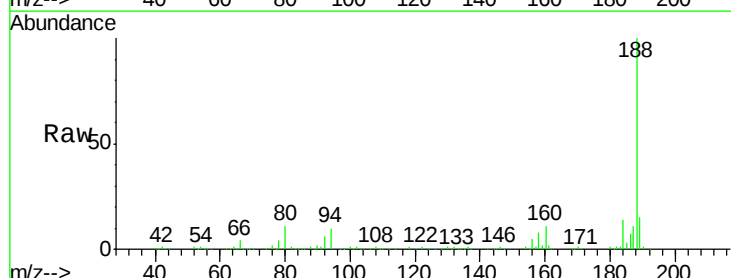
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

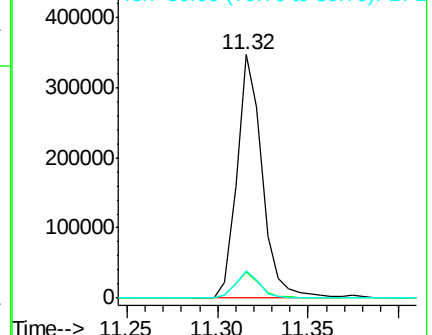
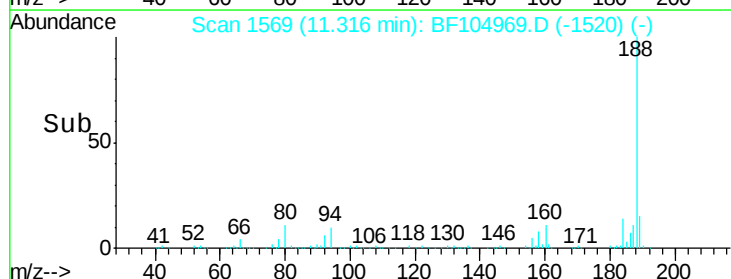
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.0	9.2	13.8

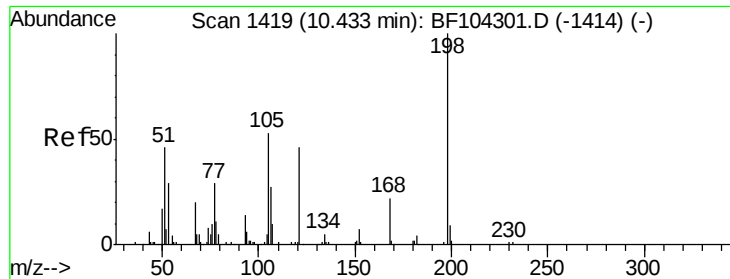


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.403 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.16 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

Instrument :

BNA_F

ClientSampleId :

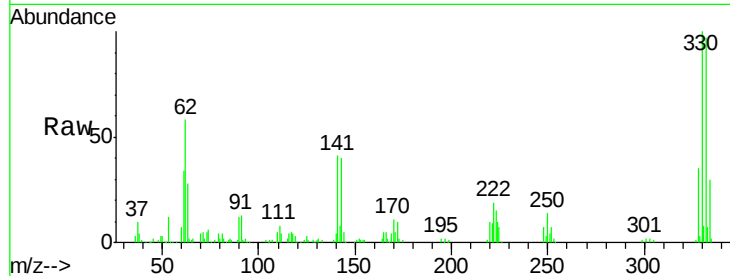
Tot Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 157.0 37.7 77.7#

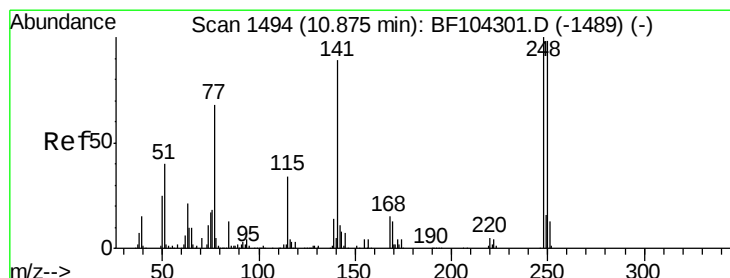
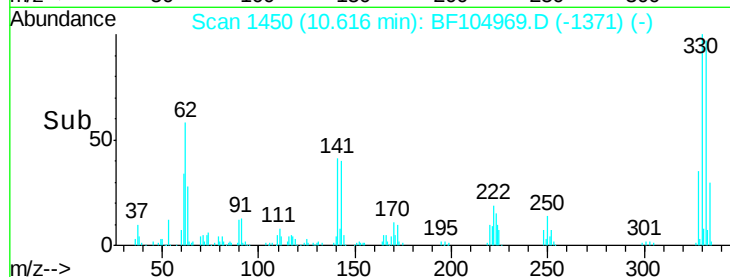
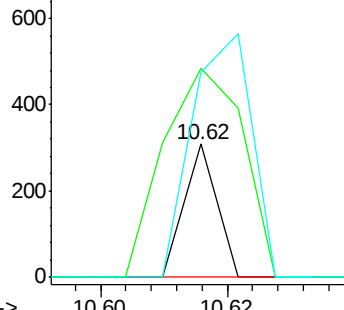
105 154.4 36.3 76.3#



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: 2.239 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF104969.D

Acq: 1 May 2018 8:15

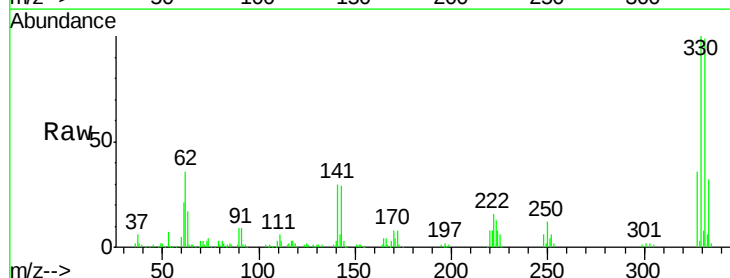
Tgt Ion:248 Resp: 8017

Ion Ratio Lower Upper

248 100

250 192.8 76.9 115.3#

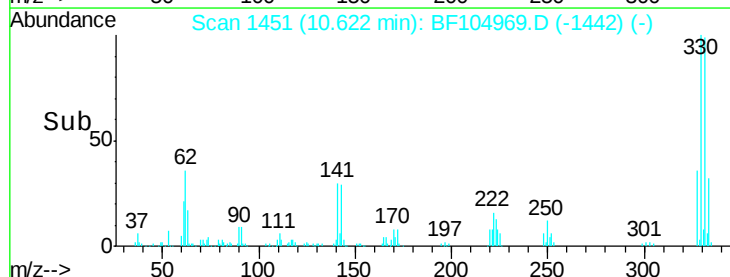
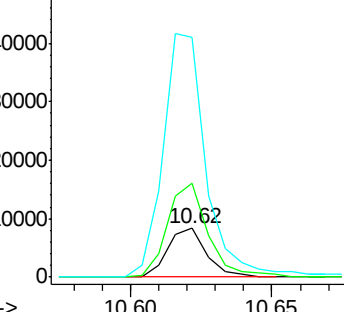
141 490.7 74.4 111.6#

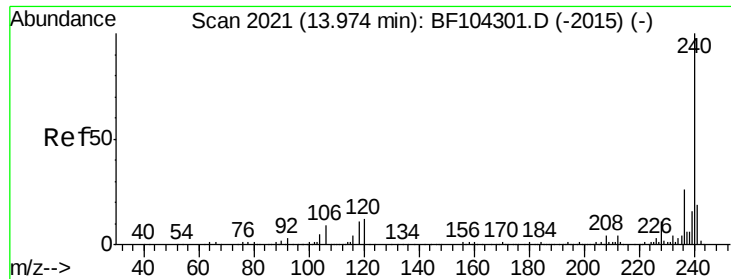


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

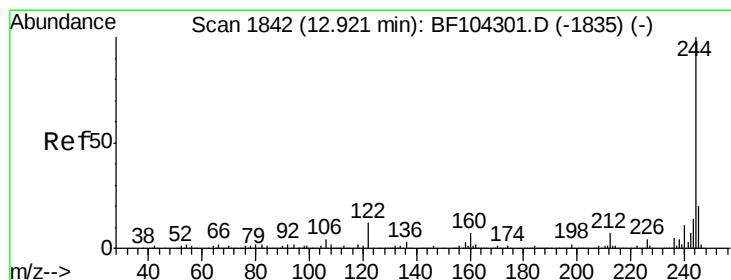
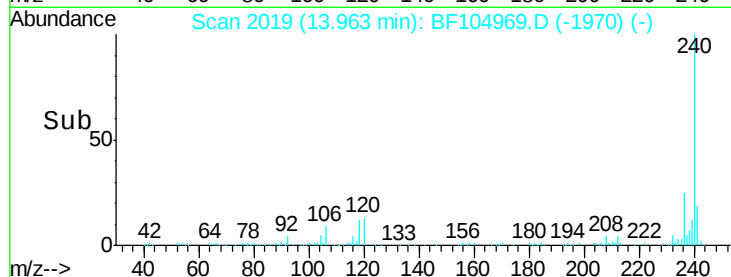
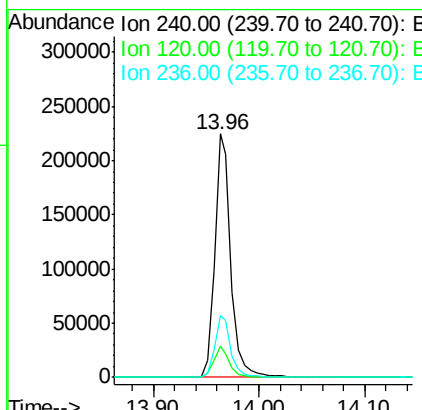
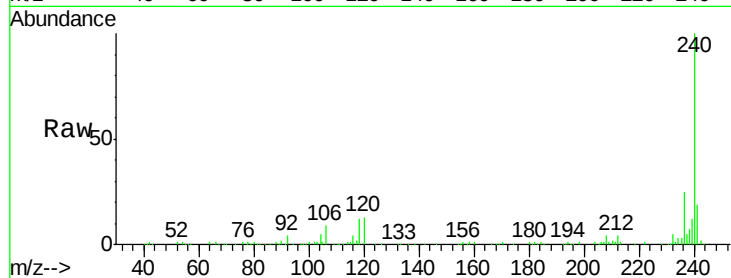




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

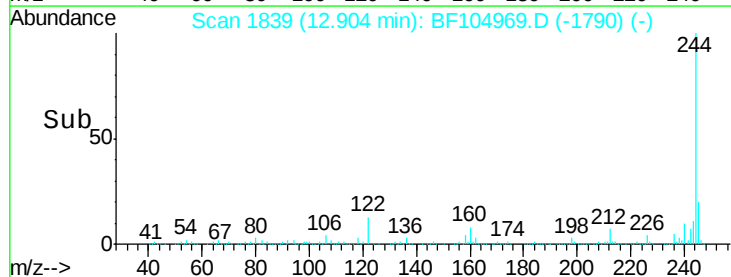
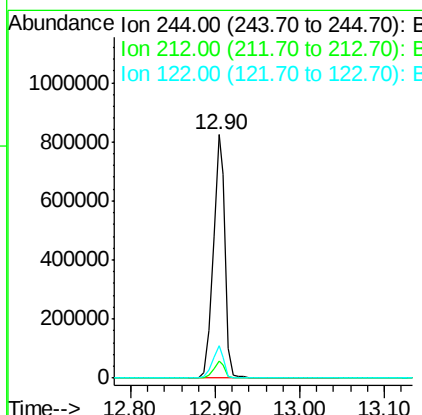
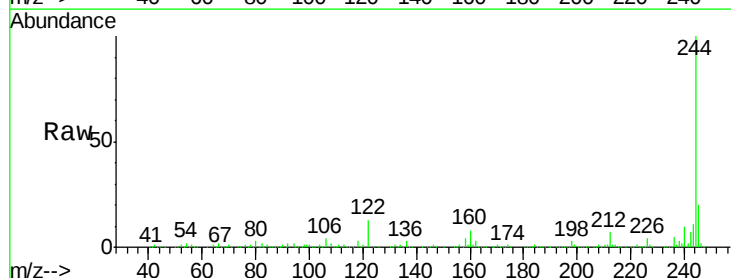
Instrument :
 BNA_F
 ClientSampleId :

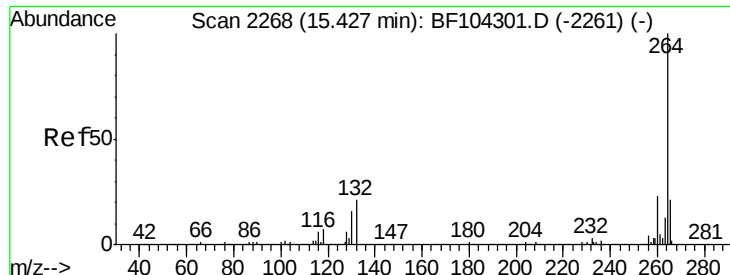
Tot Ion:240 Resp: 240015
 Ion Ratio Lower Upper
 240 100
 120 13.0 9.5 14.3
 236 25.4 20.7 31.1



#78
 Terphenyl-d14
 Concen: 77.617 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF104969.D
 Acq: 1 May 2018 8:15

Tgt Ion:244 Resp: 817131
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 13.2 11.0 16.4

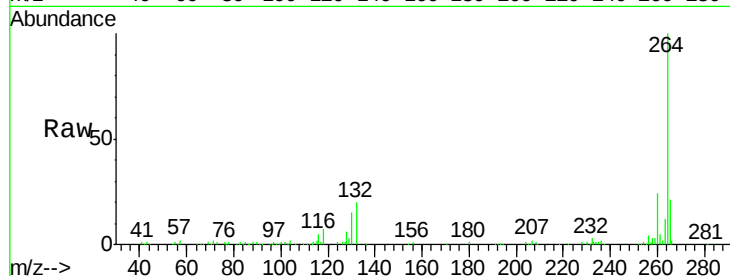




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF104969.D
Acq: 1 May 2018 8:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.5	26.3



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

