

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104960.D
 Acq On : 1 May 2018 4:18
 Operator : JU/SJ
 Sample : J2617-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 07:30:47 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

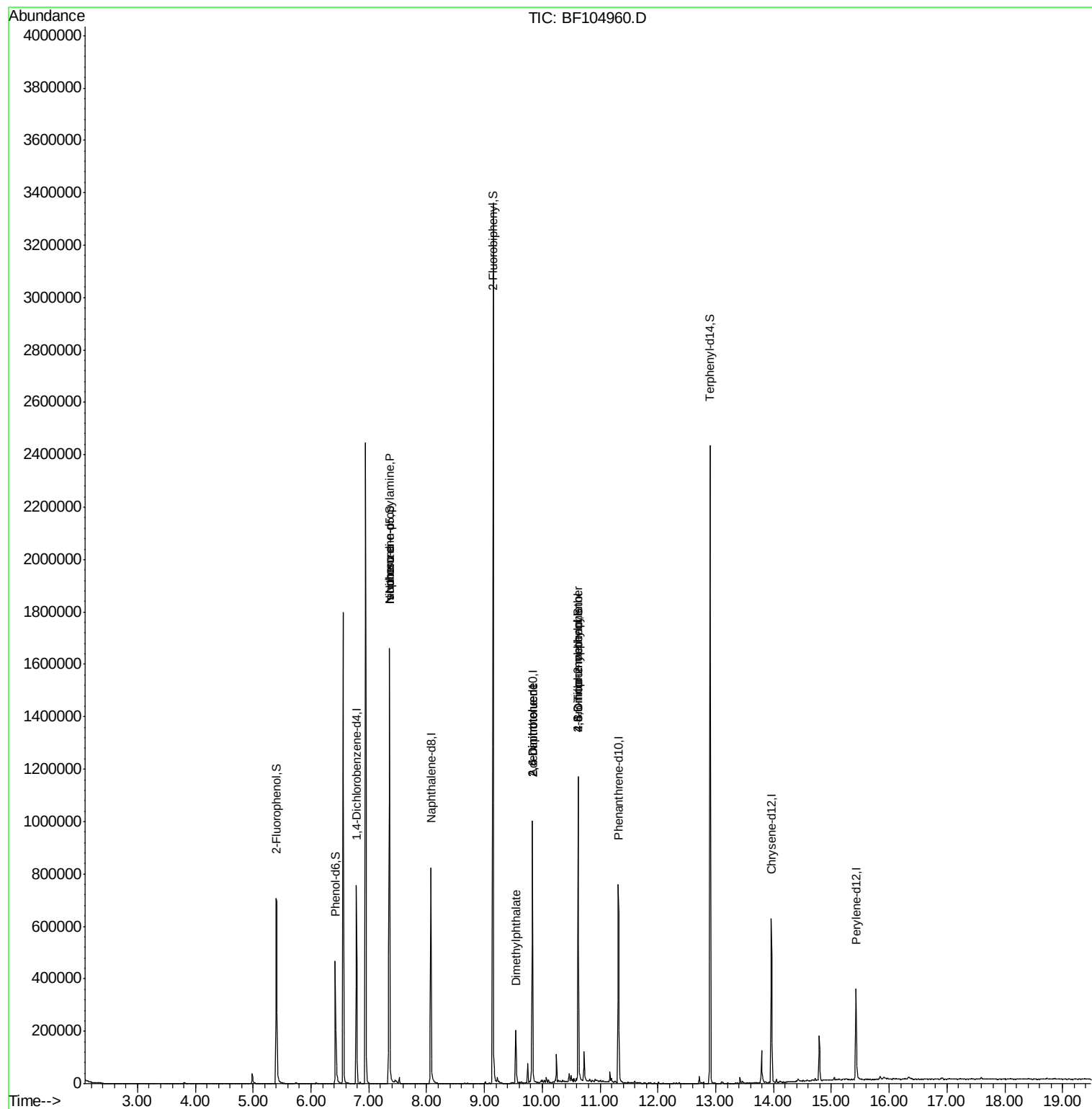
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107179	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	441758	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	191405	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	299064	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	224662	20.00	ng	-0.01
86) Perylene-d12	15.43	264	174130	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	255791	36.49	ng	0.00
7) Phenol-d6	6.42	99	187087	21.72	ng	-0.02
23) Nitrobenzene-d5	7.36	82	615906	91.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	153874	77.50	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1119142	92.37	ng	0.00
78) Terphenyl-d14	12.90	244	842518	85.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	80214	14.25	ng	# 72
25) Isophorone	7.36	82	615985	43.06	ng	# 64
49) Dimethylphthalate	9.55	163	97560	6.46	ng	# 98
50) 2,6-Dinitrotoluene	9.83	165	23683	8.48	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	23683	6.46	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.62	198	141	7.43	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	9168	2.88	ng	# 1
76) Benzidine	12.90	184	11015	Below Cal		97

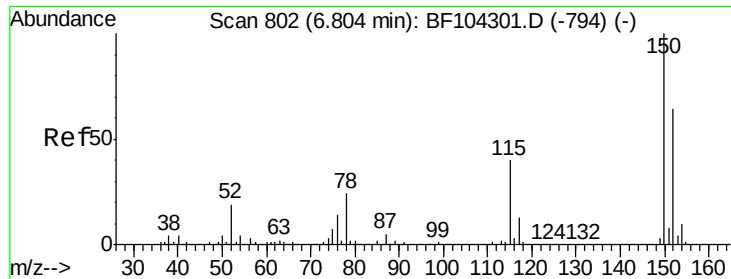
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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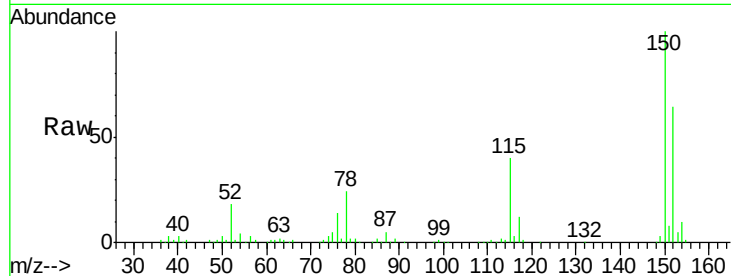


#1

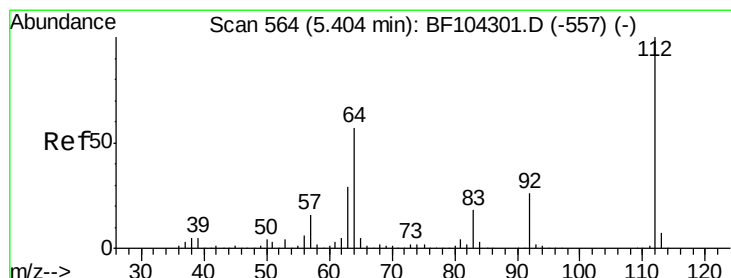
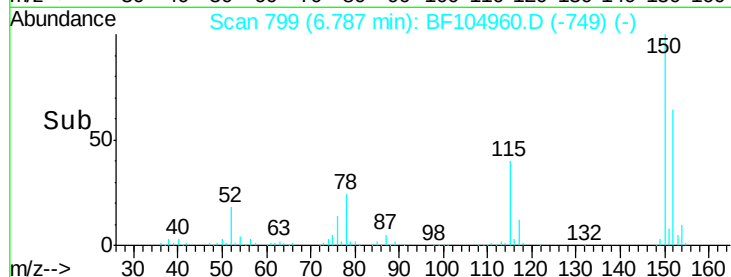
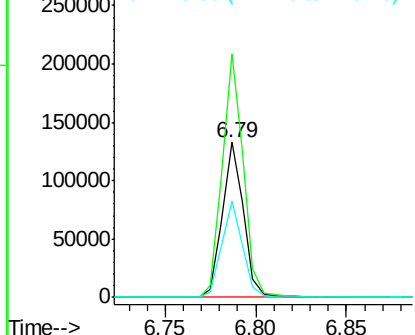
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104960.D
Acq: 1 May 2018 4:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107179
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 62.6 50.1 75.1



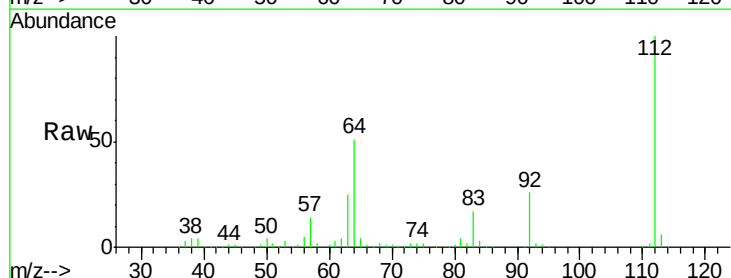
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



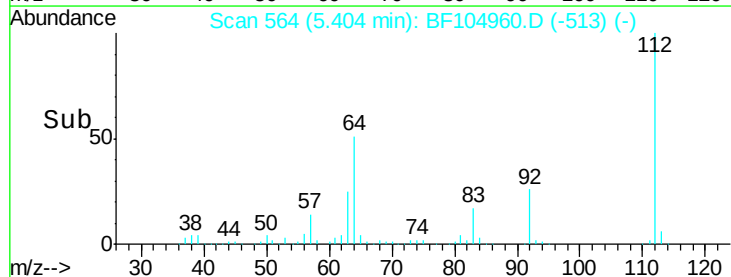
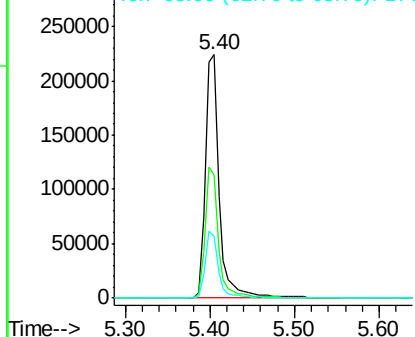
#5

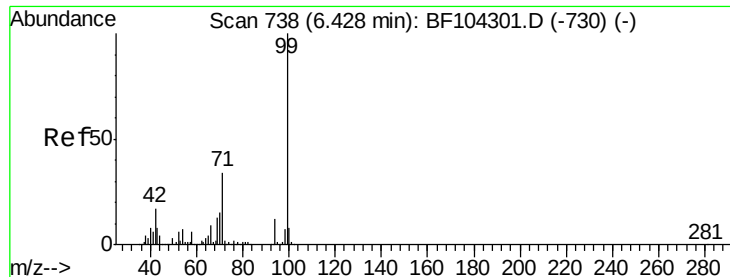
2-Fluorophenol
Concen: 36.49 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104960.D
Acq: 1 May 2018 4:18

Tgt Ion:112 Resp: 255791
Ion Ratio Lower Upper
112 100
64 50.8 47.9 71.9
63 25.4 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: 21.72 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

Instrument :

BNA_F

ClientSampleId :

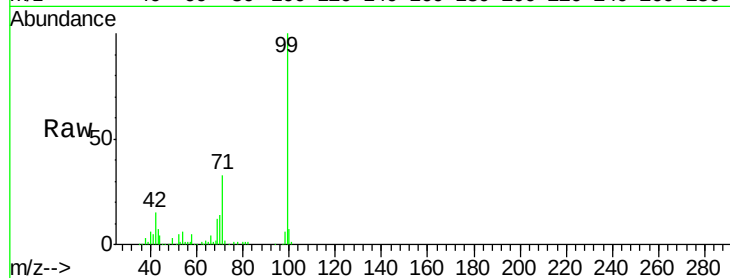
Tot Ion: 99 Resp: 187087

Ion Ratio Lower Upper

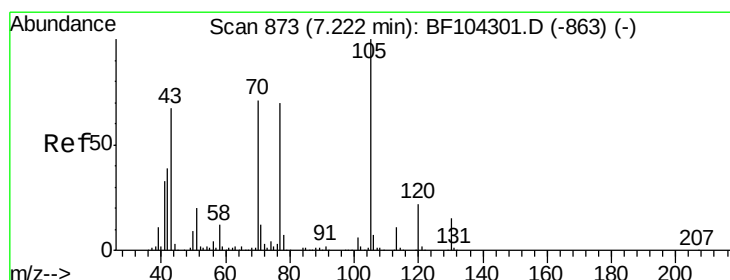
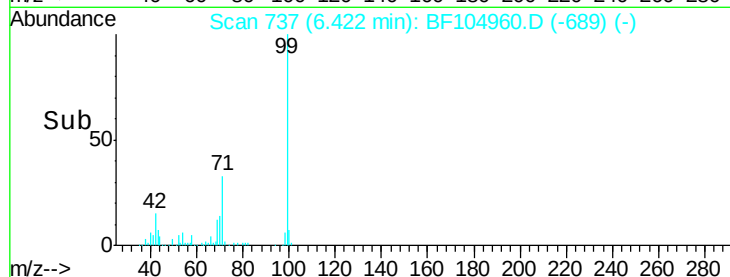
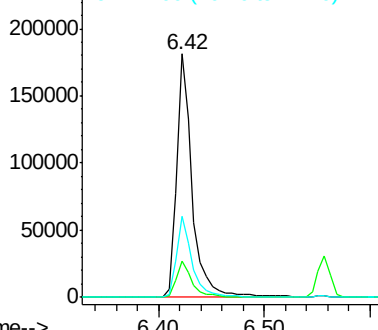
99 100

42 15.1 14.5 21.7

71 33.3 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: 14.25 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

Tgt Ion: 70 Resp: 80214

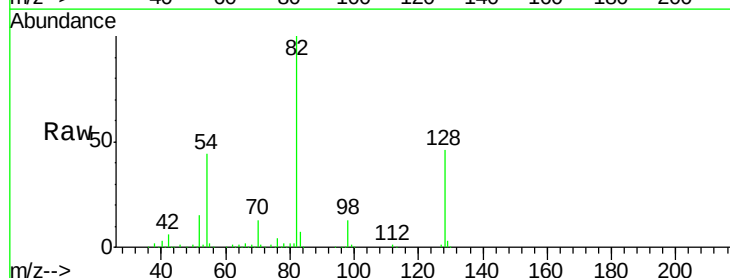
Ion Ratio Lower Upper

70 100

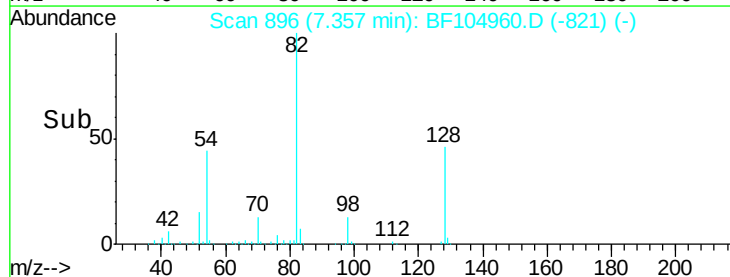
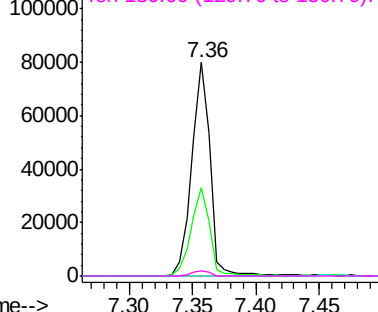
42 41.1 47.5 71.3#

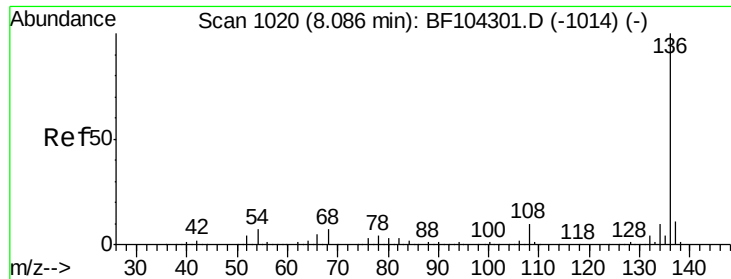
101 0.0 7.4 11.2#

130 2.4 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: 20.00 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 441758

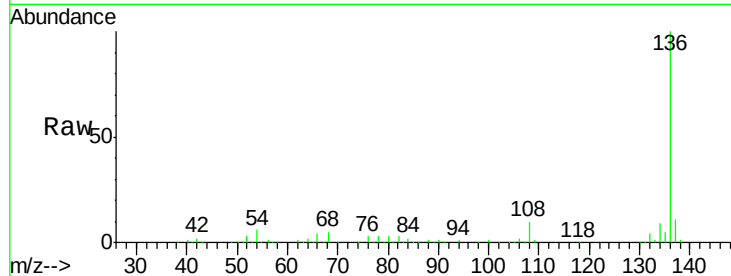
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.3 6.6 9.8#

68 5.1 5.0 7.4

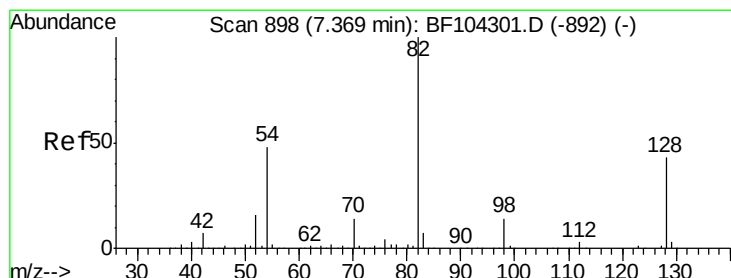
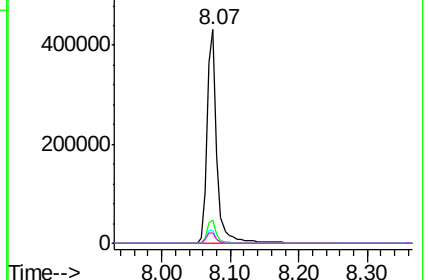
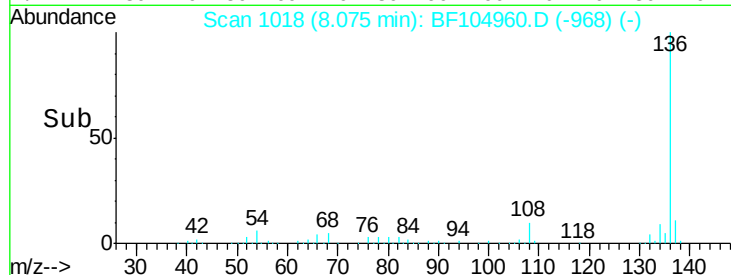


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.04 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

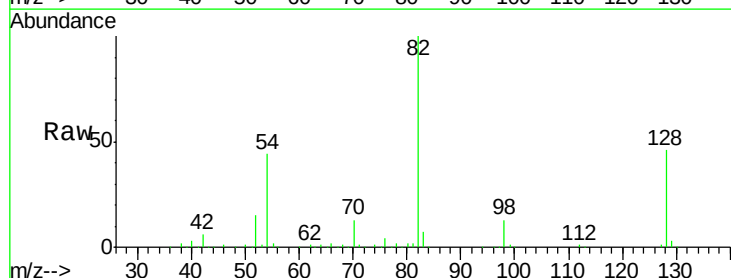
Tgt Ion: 82 Resp: 615906

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

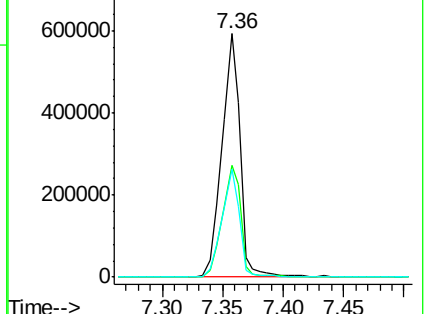
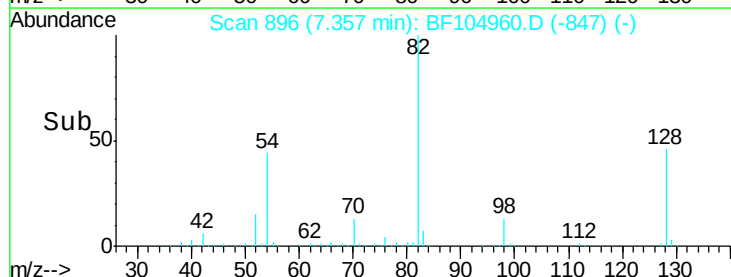
54 44.4 41.4 62.2

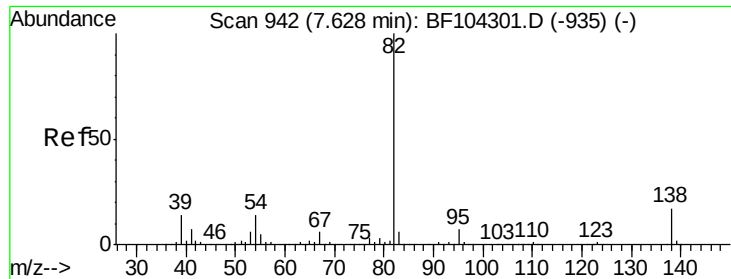


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.06 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

Instrument :

BNA_F

ClientSampleId :

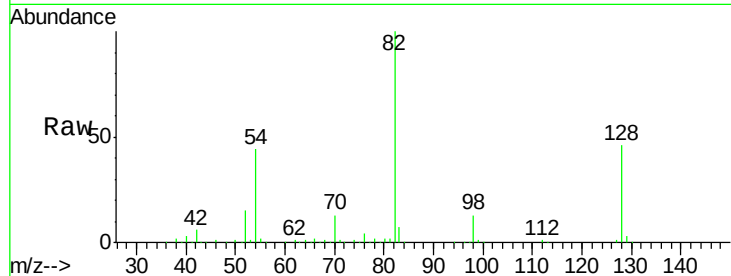
Tot Ion: 82 Resp: 615985

Ion Ratio Lower Upper

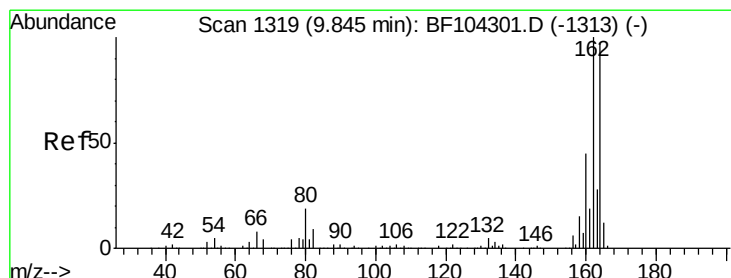
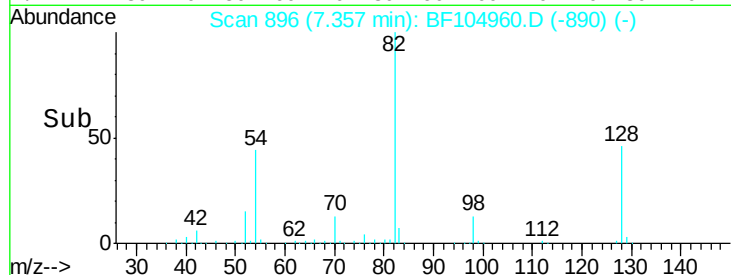
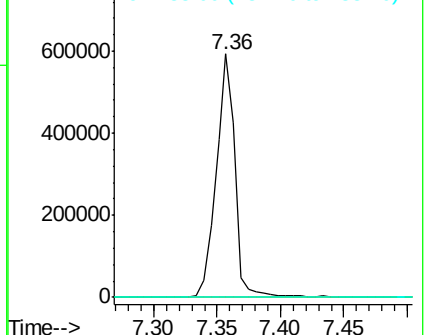
82 100

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: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

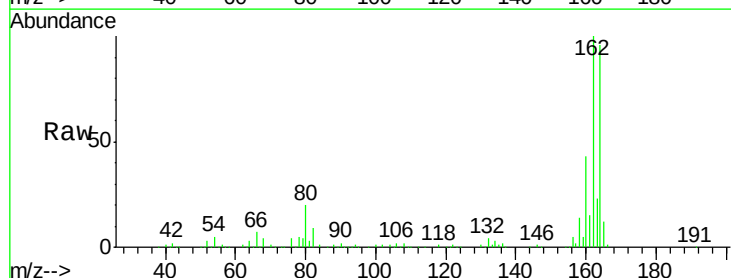
Tgt Ion: 164 Resp: 191405

Ion Ratio Lower Upper

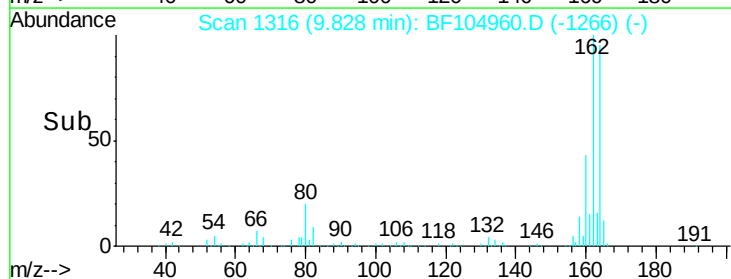
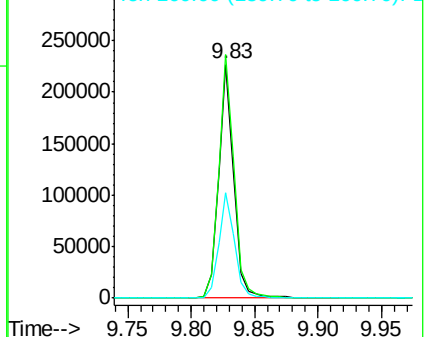
164 100

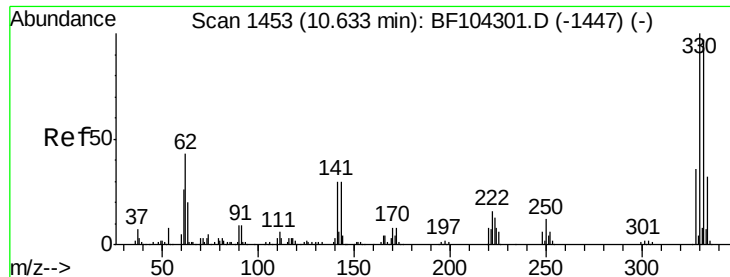
162 104.2 86.1 129.1

160 45.0 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

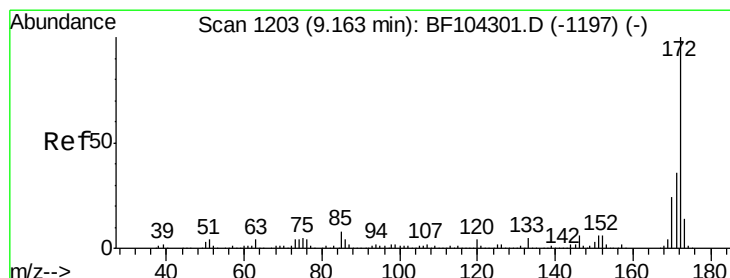
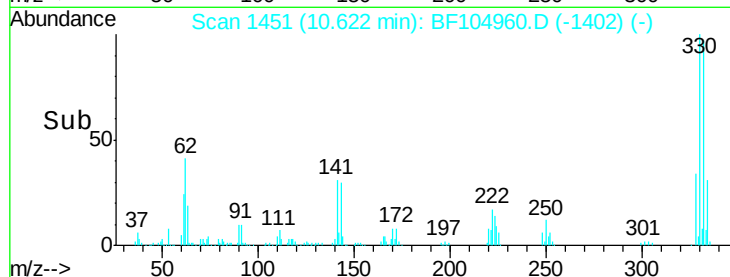
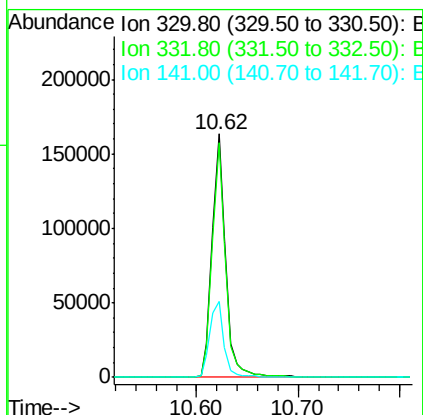
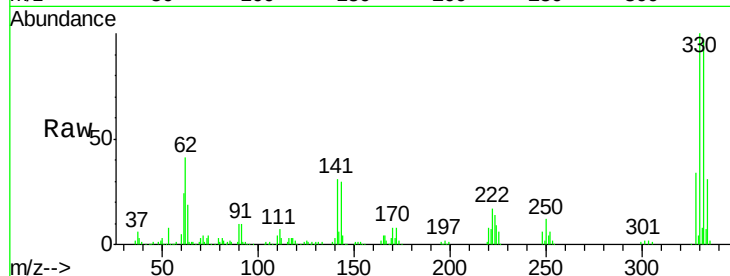




#41
 2,4,6-Tribromophenol
 Concen: 77.50 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

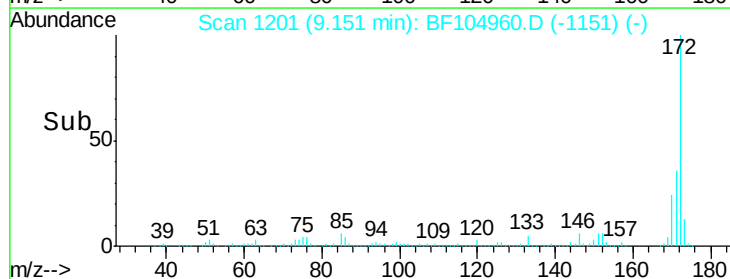
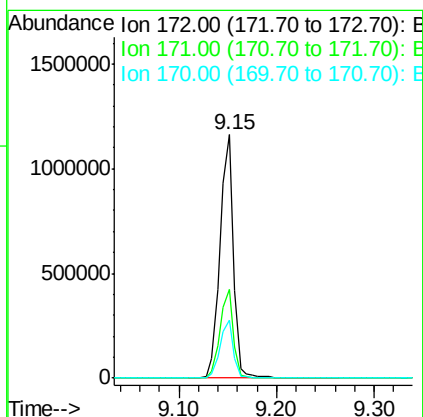
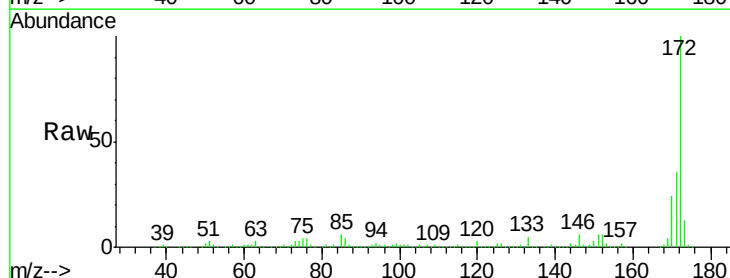
Instrument :
 BNA_F
 ClientSampleId :

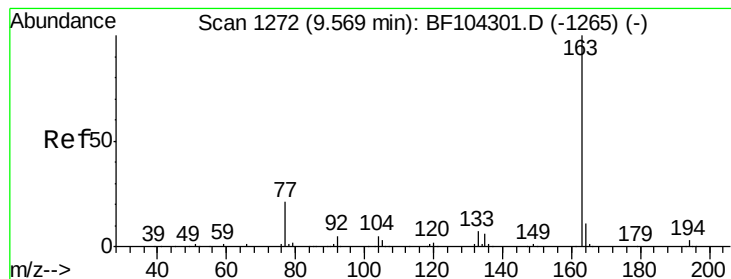
Tot Ion:330 Resp: 153874
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 32.6 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 92.37 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Tgt Ion:172 Resp: 1119142
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.0 19.6 29.4





#49

Dimethylphthalate

Concen: 6.46 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

Instrument :

BNA_F

ClientSampled :

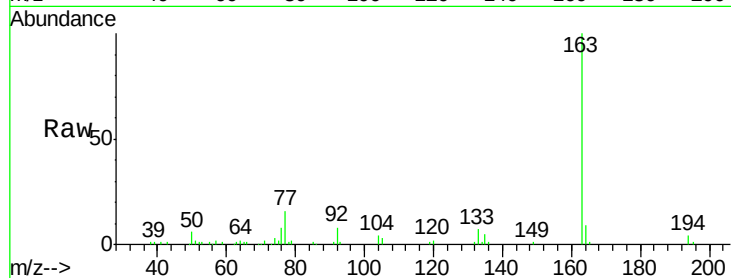
Tot Ion:163 Resp: 97560

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

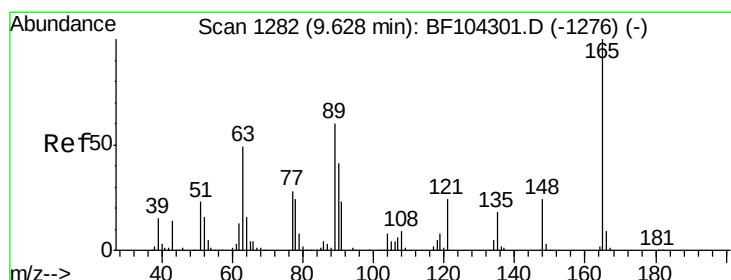
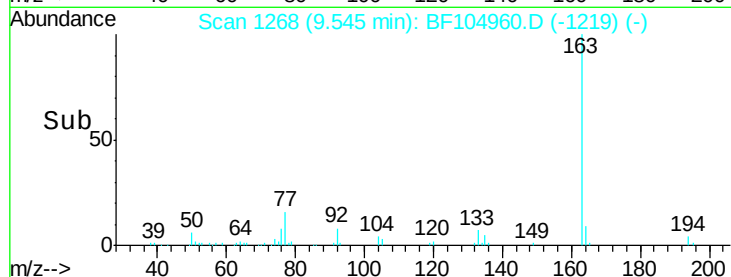
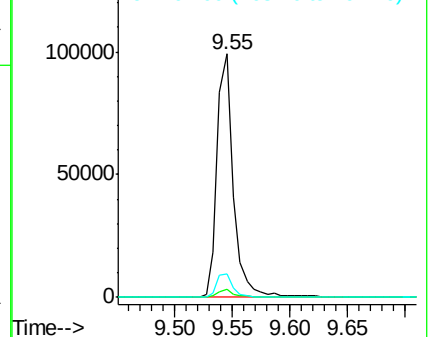
164 9.4 8.2 12.2



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: 8.48 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF104960.D

Acq: 1 May 2018 4:18

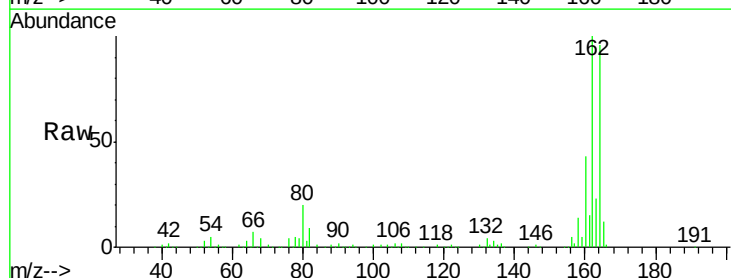
Tgt Ion:165 Resp: 23683

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

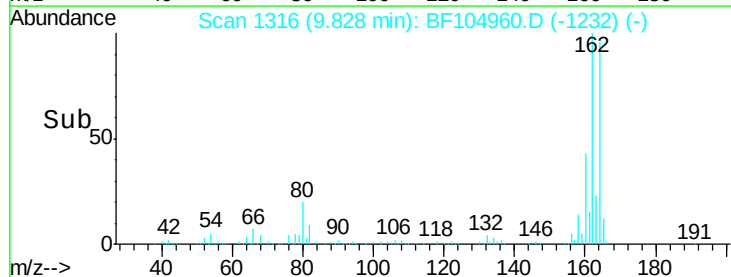
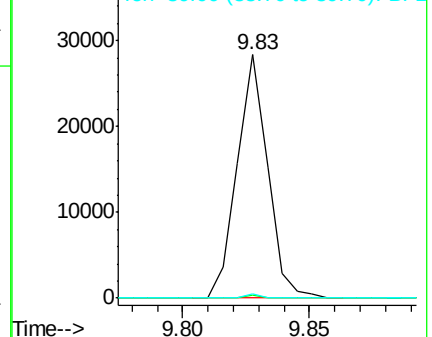
89 1.9 44.0 66.0#

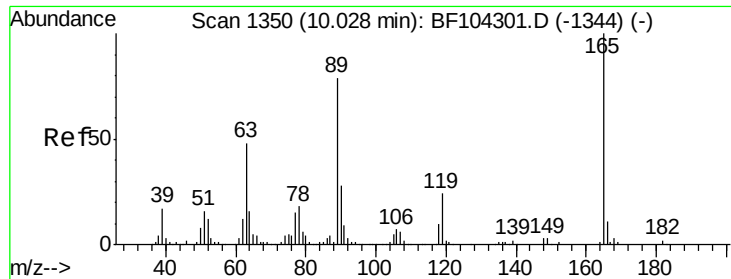


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

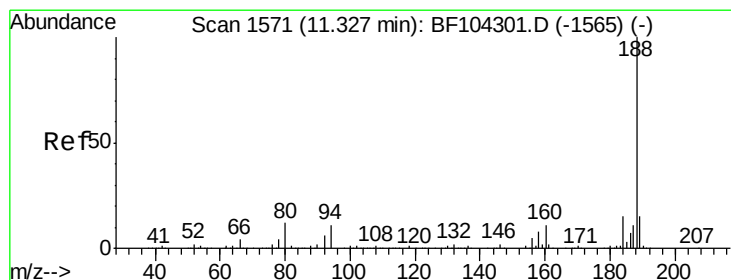
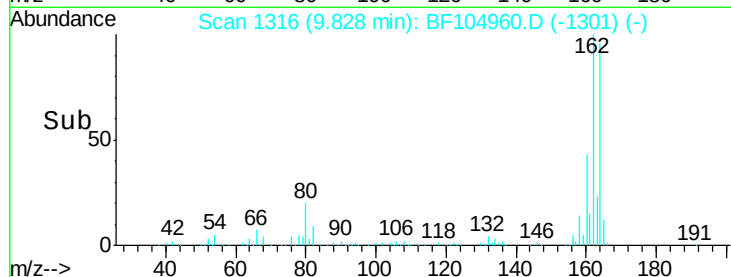
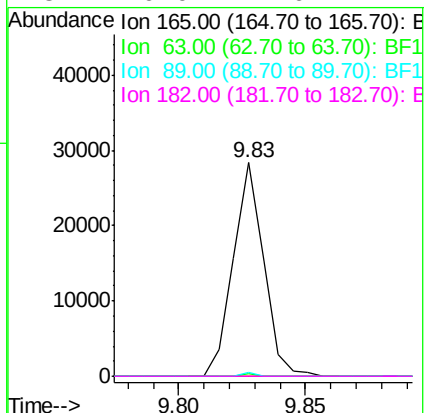
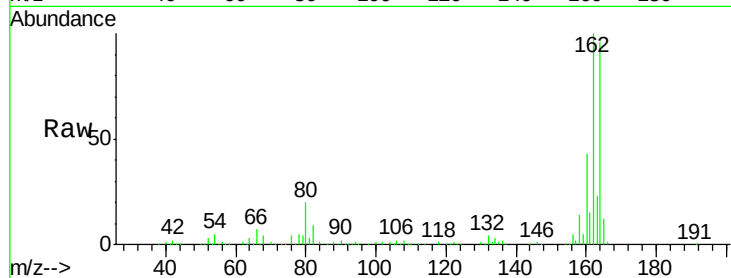




#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

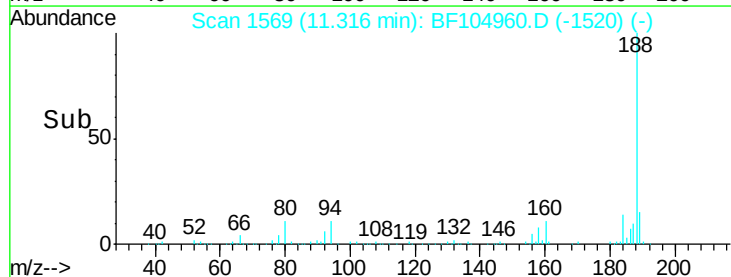
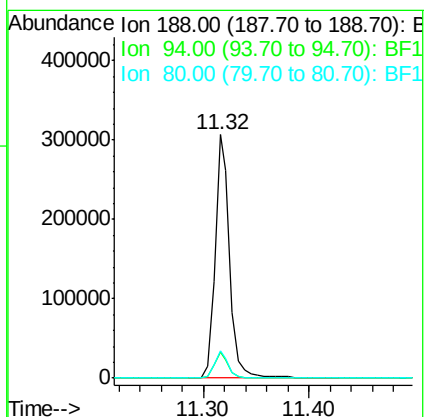
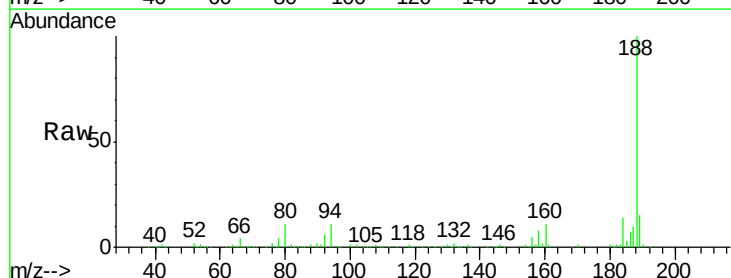
Instrument :
 BNA_F
 ClientSampleId :

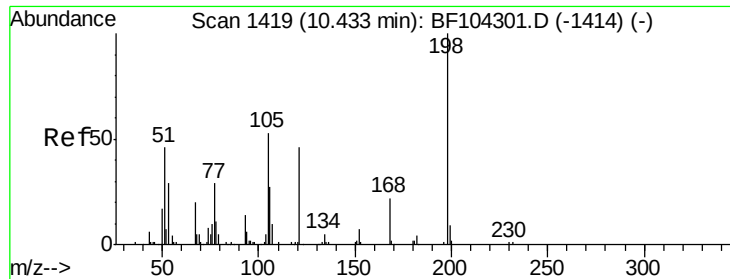
Tot Ion:165	Resp:	23683
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.9	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Tgt Ion:188	Resp:	299064
Ion Ratio	Lower	Upper
188	100	
94	10.7	8.5 12.7
80	11.1	9.2 13.8

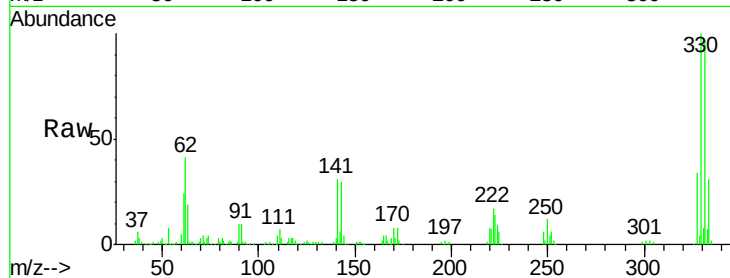




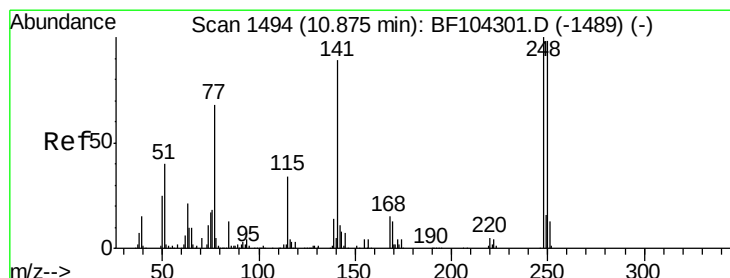
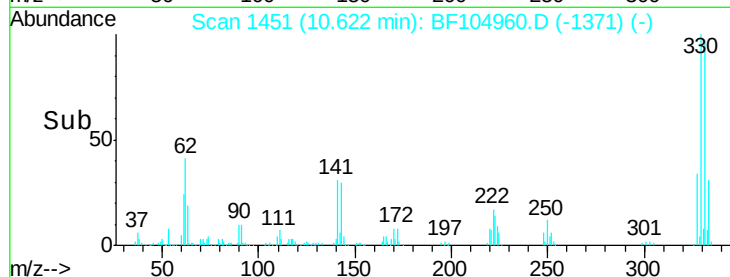
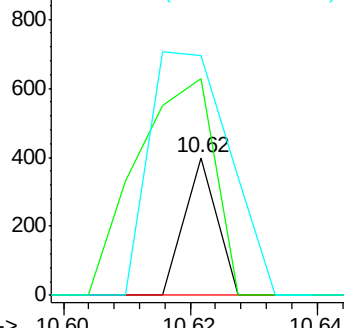
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.43 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 141
 Ion Ratio Lower Upper
 198 100
 51 156.8 37.7 77.7#
 105 173.5 36.3 76.3#

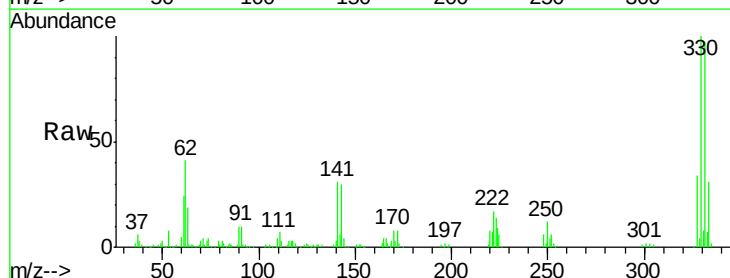


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

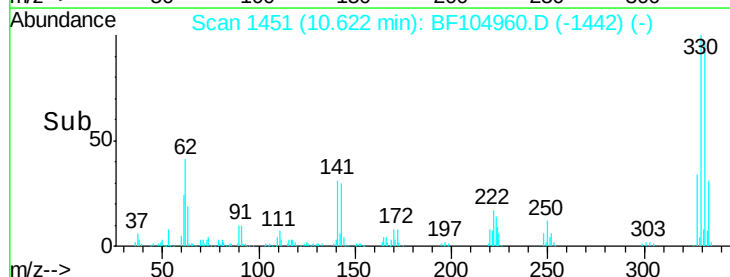
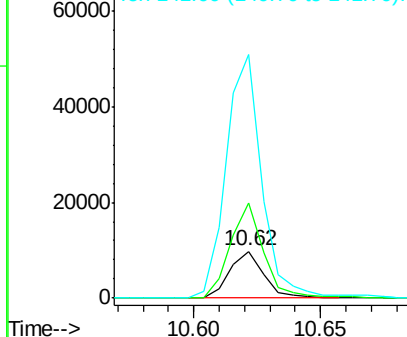


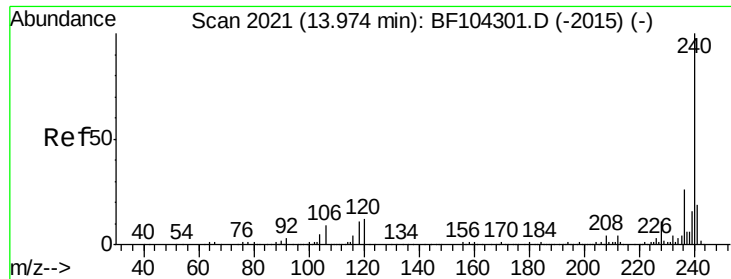
#66
 4-Bromophenyl-phenylether
 Concen: 2.88 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Tgt Ion:248 Resp: 9168
 Ion Ratio Lower Upper
 248 100
 250 203.2 76.9 115.3#
 141 520.5 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

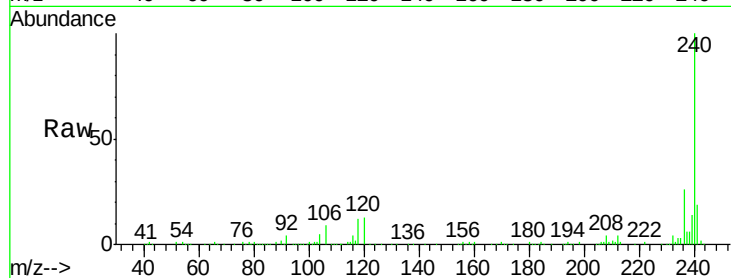




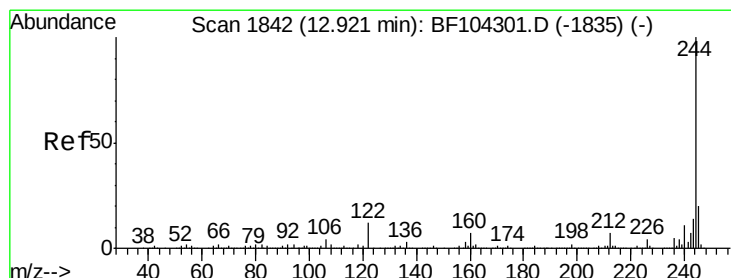
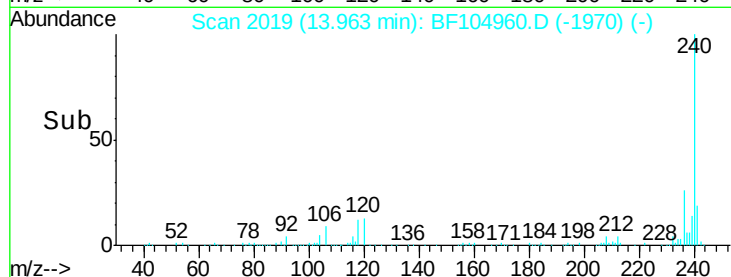
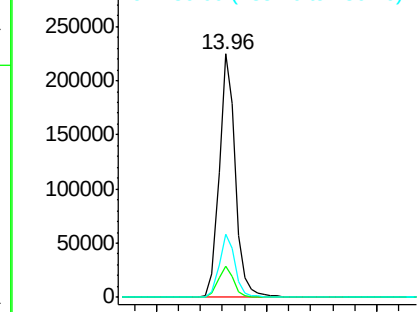
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 224662
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.9 20.7 31.1

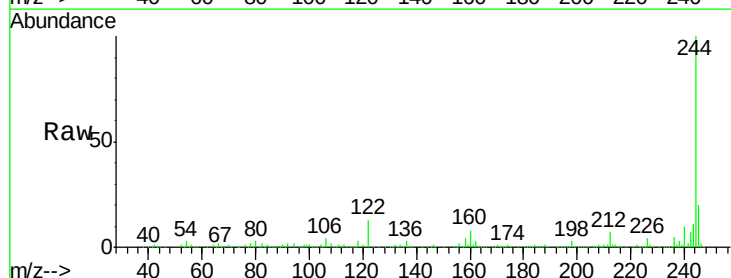


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

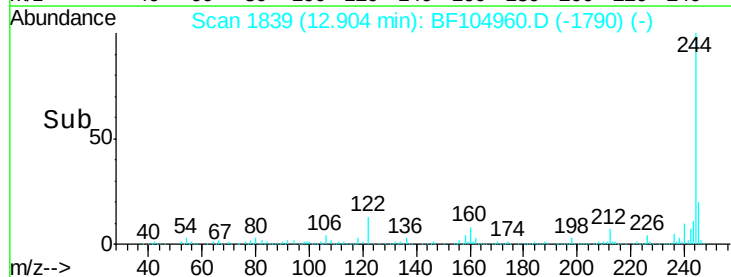
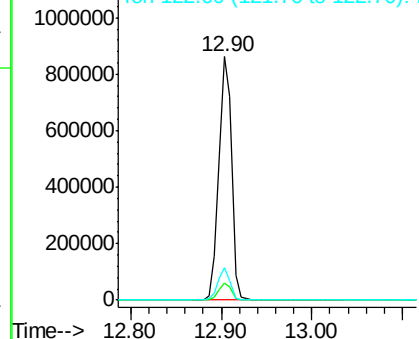


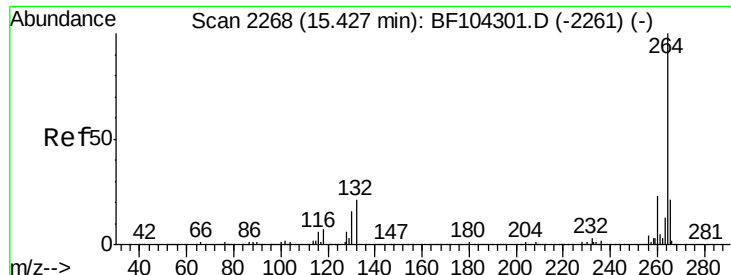
#78
 Terphenyl-d14
 Concen: 85.50 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF104960.D
 Acq: 1 May 2018 4:18

Tgt Ion:244 Resp: 842518
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.1 11.0 16.4



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

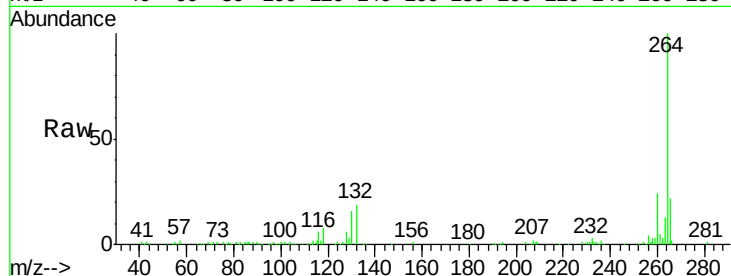




#86
Pervlone-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF104960.D
Acq: 1 May 2018 4:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	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

