

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104639.D
 Acq On : 19 Apr 2018 20:18
 Operator : JU/SJ
 Sample : J2455-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:56:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	141333	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	570803	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	244089	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	375183	20.00	ng	0.00
75) Chrysene-d12	13.97	240	304700	20.00	ng	-0.01
86) Perylene-d12	15.44	264	269563	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	915276	99.02	ng	0.01
7) Phenol-d6	6.45	99	1216010	107.07	ng	0.00
23) Nitrobenzene-d5	7.37	82	786824	90.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	342750	135.37	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1426192	92.30	ng	0.00
78) Terphenyl-d14	12.92	244	1320592	98.81	ng	0.00

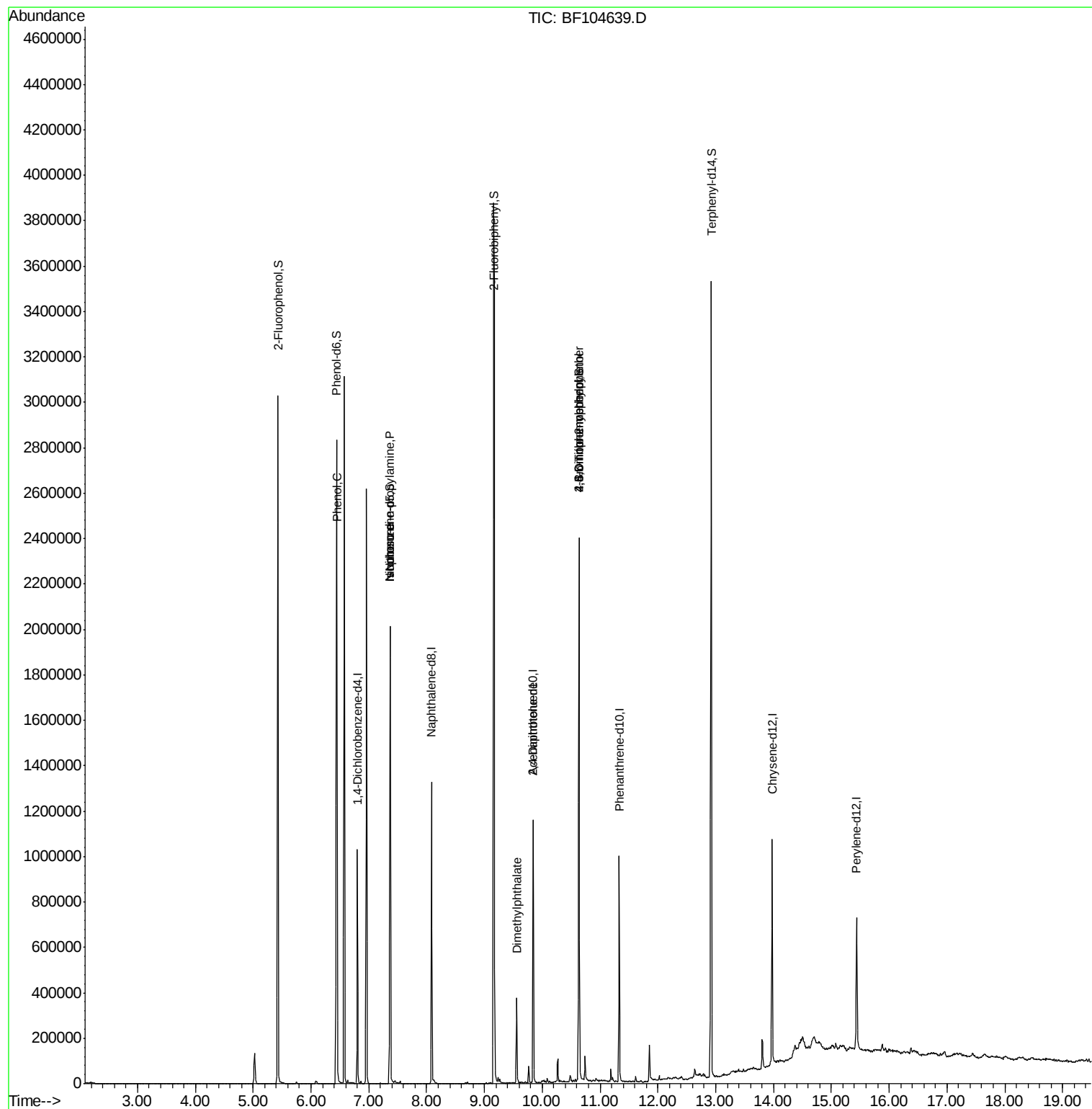
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1954	Below Cal		# 1
10) Phenol	6.46	94	32381	2.687	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	103840	13.992	ng	# 74
25) Isophorone	7.37	82	786812	42.565	ng	# 64
49) Dimethylphthalate	9.56	163	145996	7.585	ng	98
56) 2,4-Dinitrotoluene	9.84	165	30657	6.562	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	701	7.672	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	20838	5.222	ng	# 1
76) Benzidine	12.92	184	17046	Below Cal		98

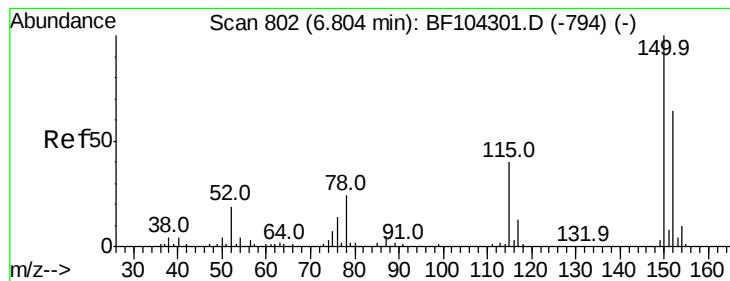
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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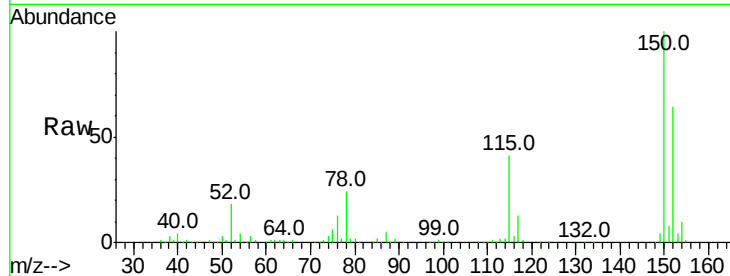


#1

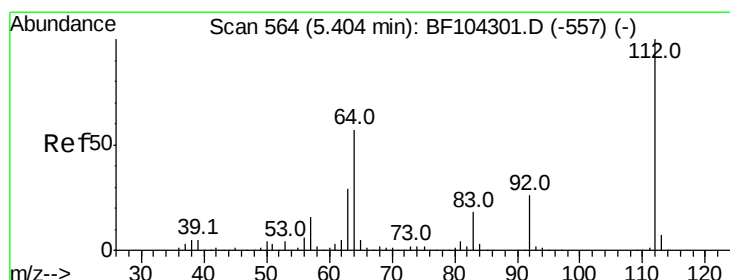
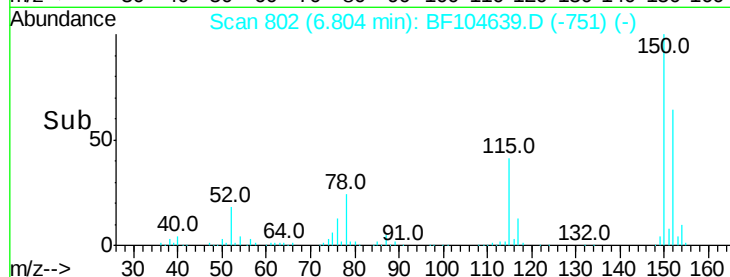
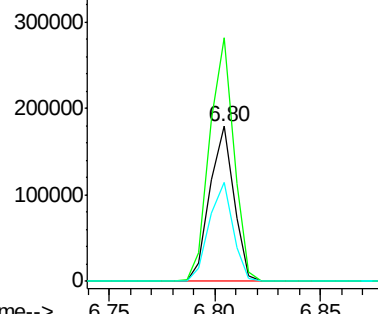
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141333
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 64.3 50.1 75.1



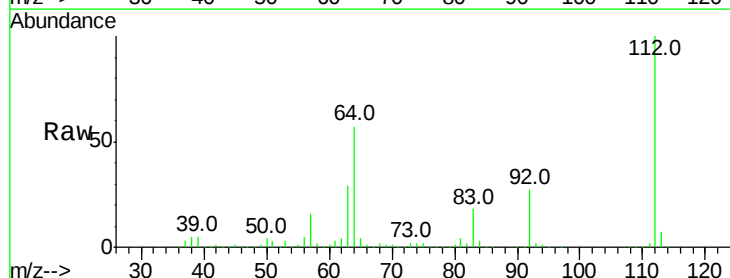
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



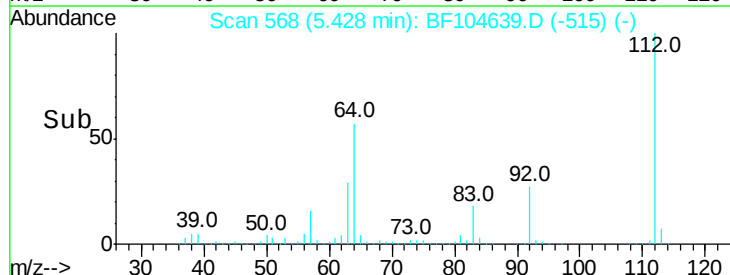
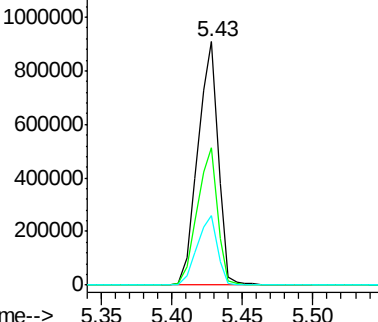
#5

2-Fluorophenol
Concen: 99.022 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Tgt Ion:112 Resp: 915276
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.6 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: 107.073 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

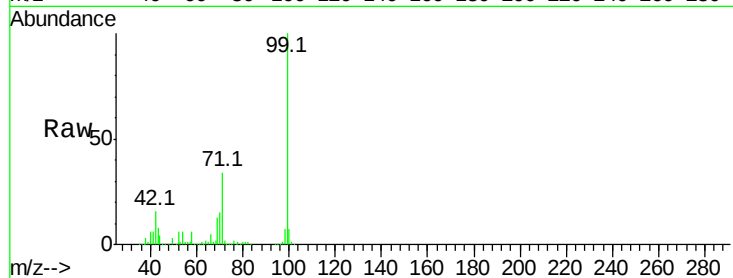
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1216010

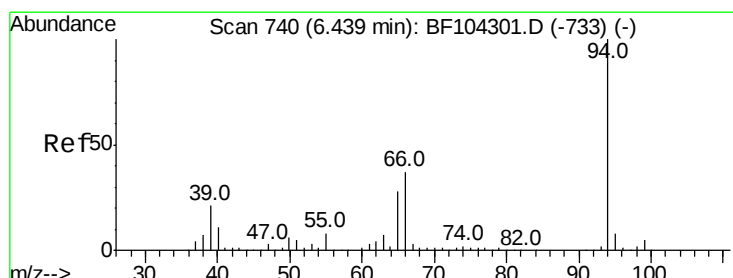
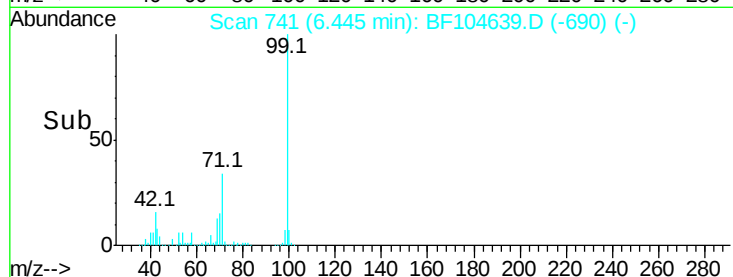
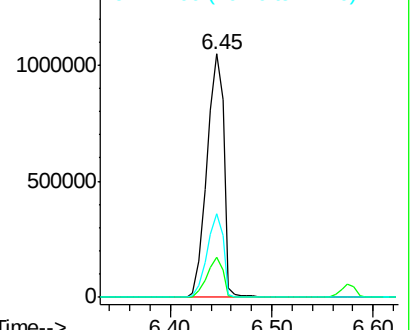
Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	34.2	25.4	38.0



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



#10

Phenol

Concen: 2.687 ng

RT: 6.46 min Scan# 743

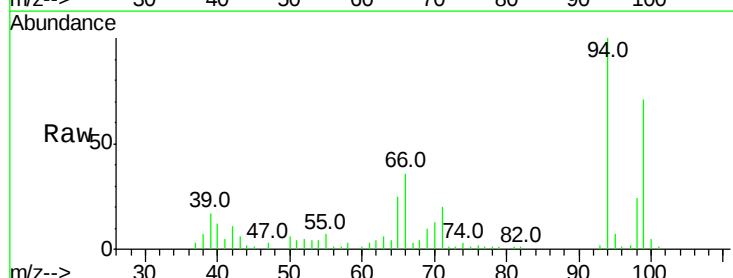
Delta R.T. -0.01 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

Tgt Ion: 94 Resp: 32381

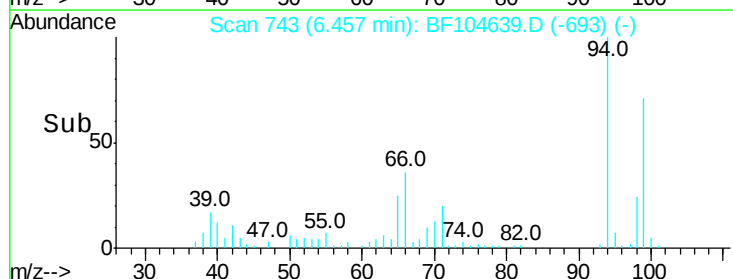
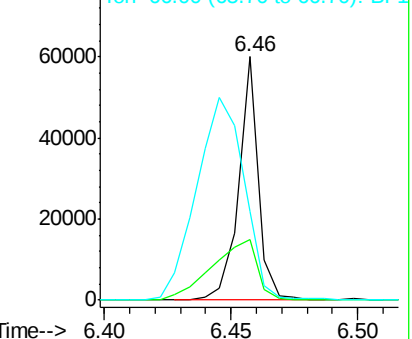
Ion	Ratio	Lower	Upper
94	100		
65	24.7	7.9	47.9
66	36.4	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.992 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 103840

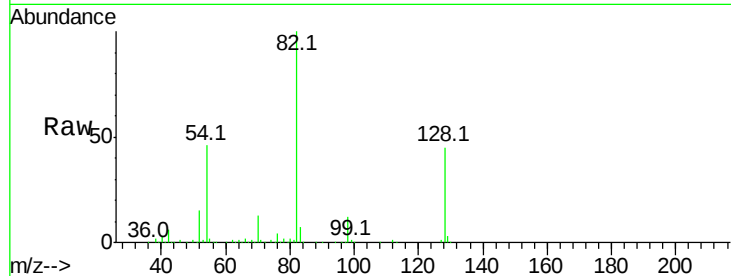
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

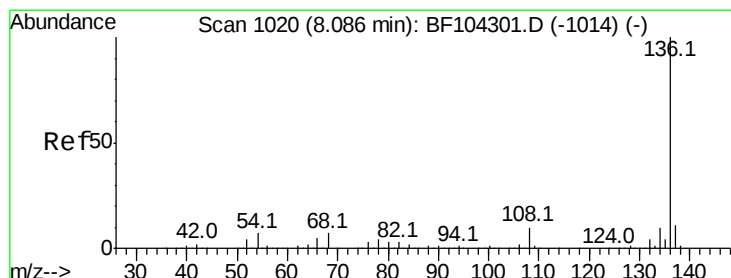
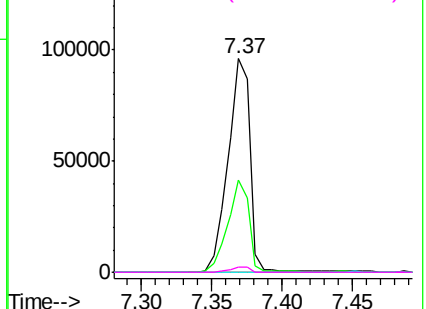
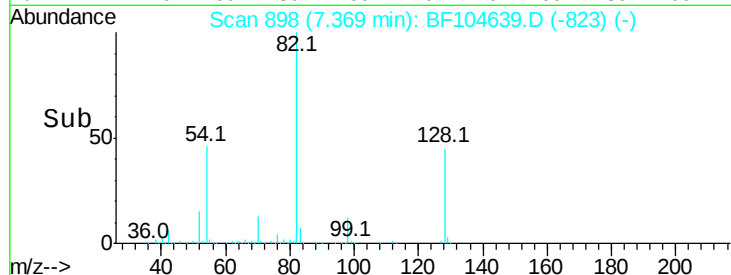


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

Tgt Ion:136 Resp: 570803

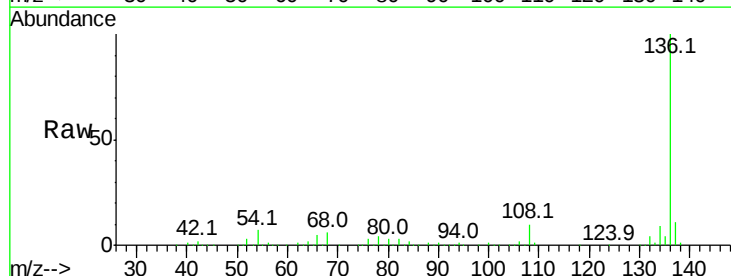
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 6.6 9.8

68 6.1 5.0 7.4

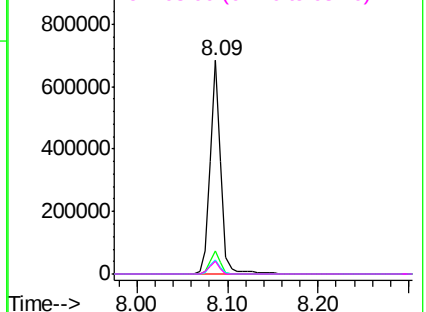
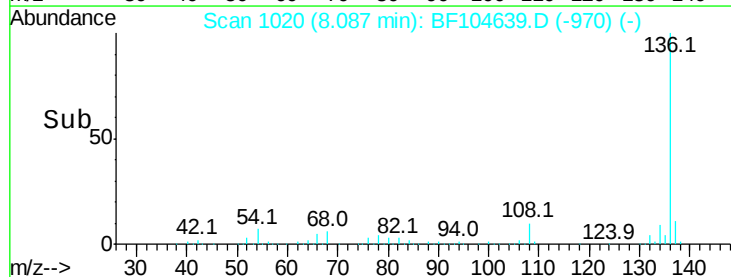


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

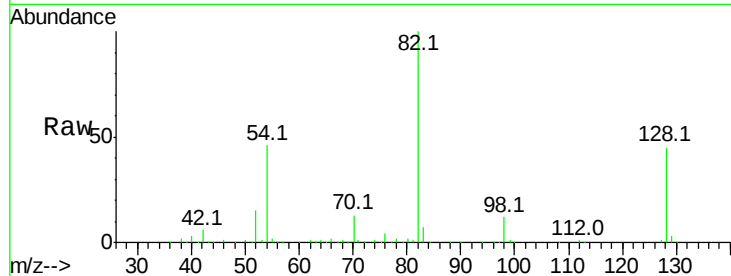




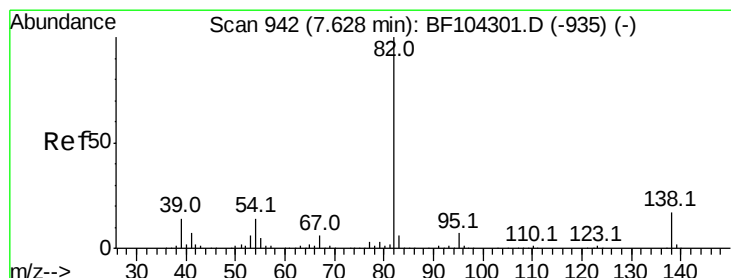
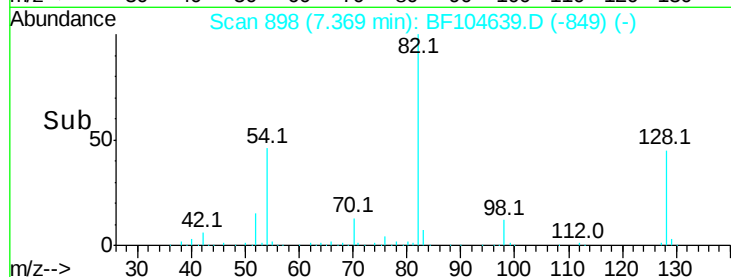
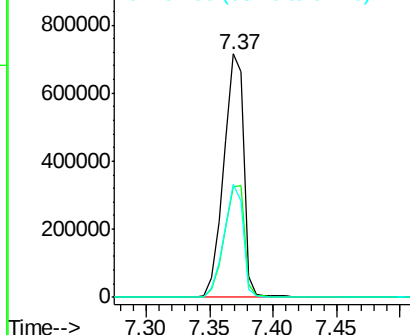
#23
Nitrobenzene-d5
Concen: 90.010 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	46.4	41.4	62.2

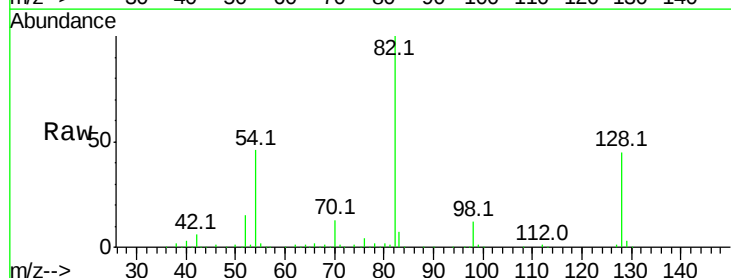


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

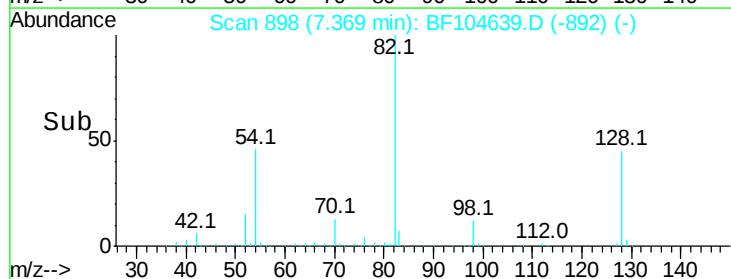
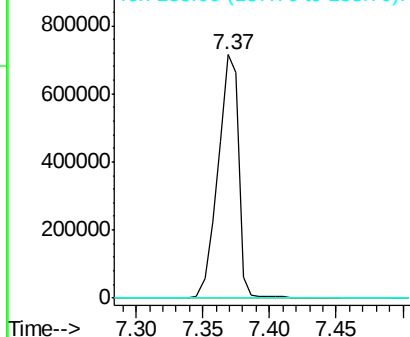


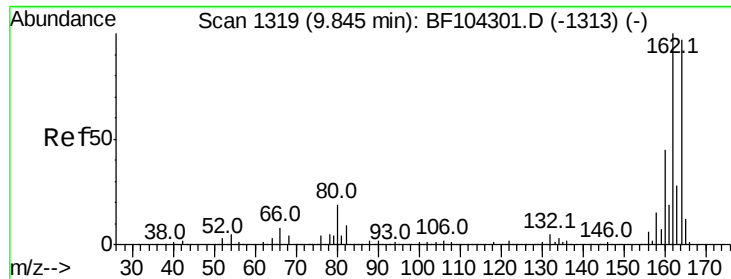
#25
Isophorone
Concen: 42.565 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Tgt 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

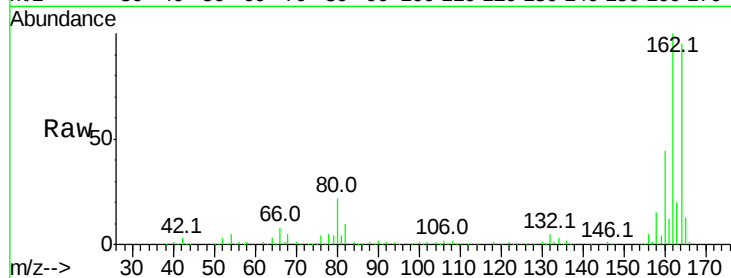




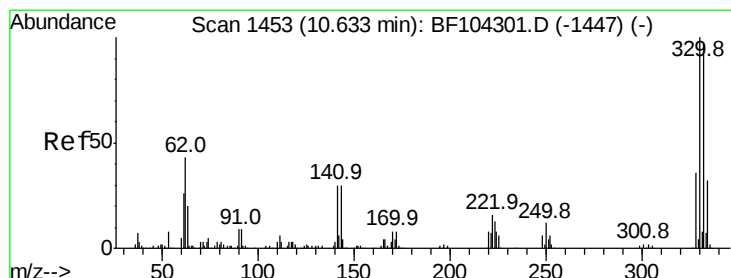
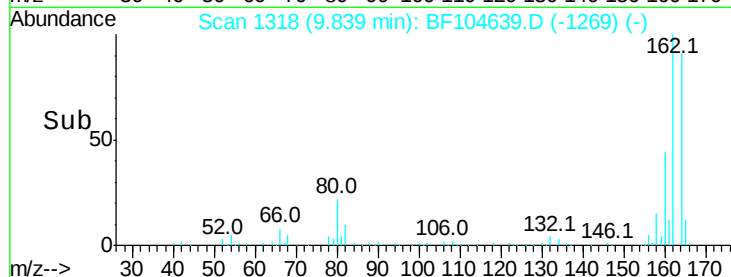
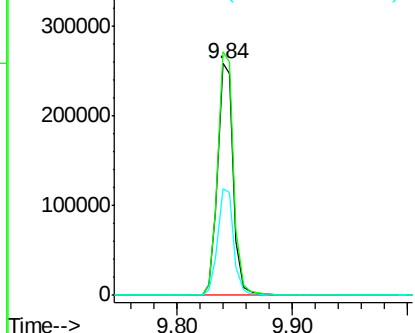
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104639.D
 Acq: 19 Apr 2018 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 244089
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 46.0 38.3 57.5

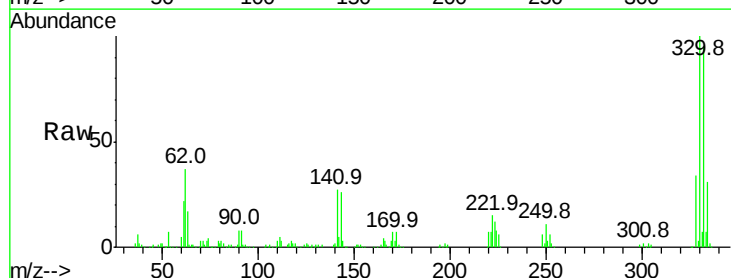


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

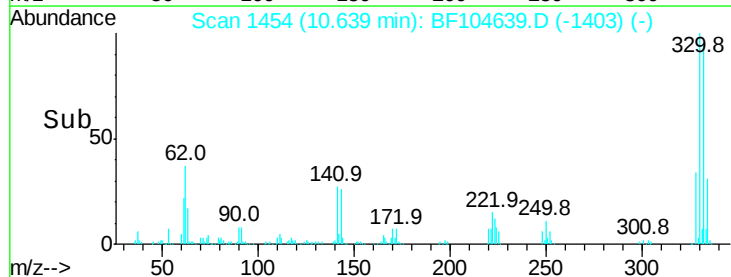
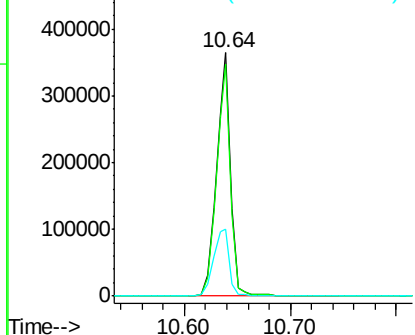


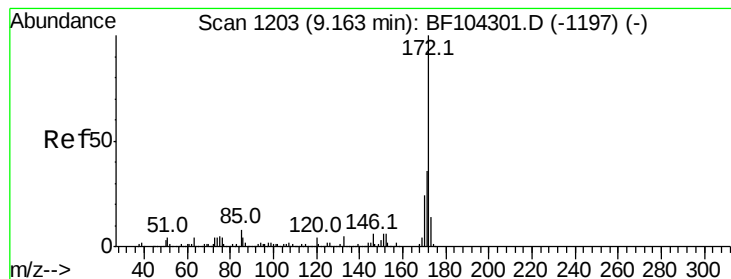
#41
 2,4,6-Tribromophenol
 Concen: 135.367 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104639.D
 Acq: 19 Apr 2018 20:18

Tgt Ion:330 Resp: 342750
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 31.7 29.9 44.9



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

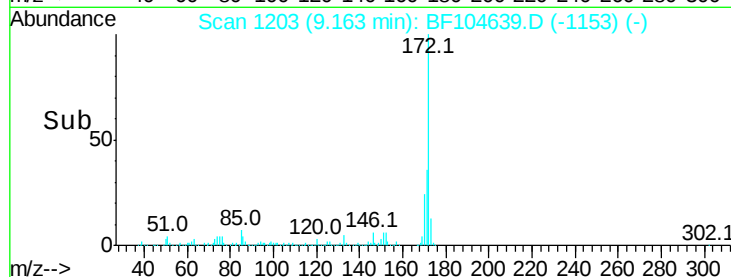
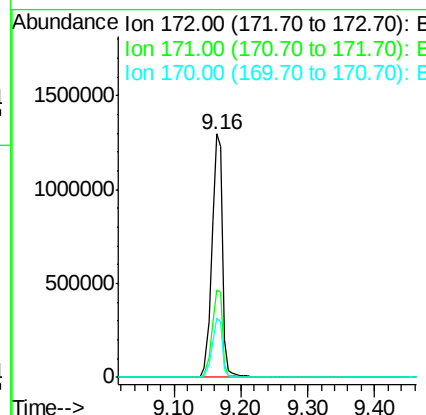
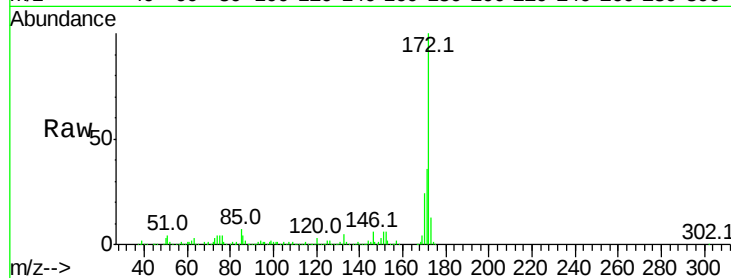




#44
2-Fluorobiphenyl
Concen: 92.304 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

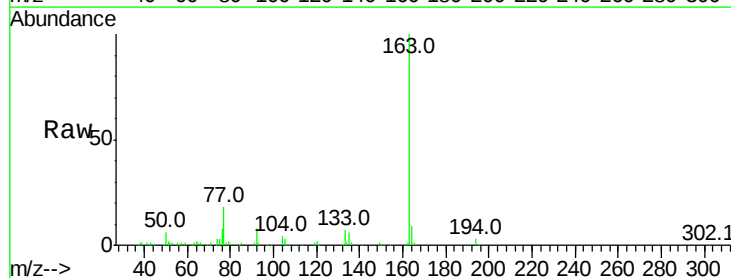
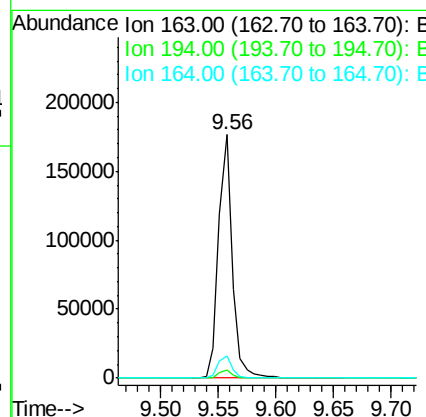
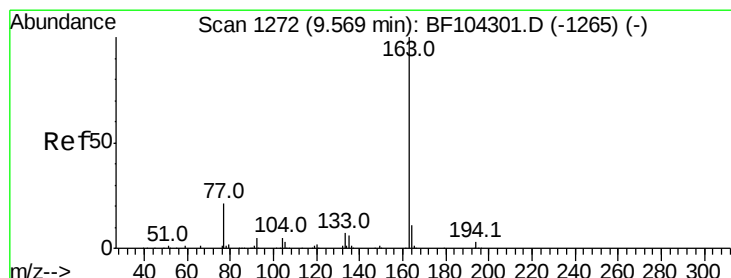
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1426192
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 7.585 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Tgt Ion:163 Resp: 145996
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 8.2 12.2

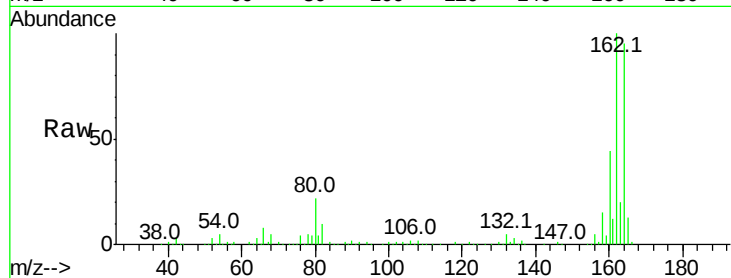




#56
 2,4-Dinitrotoluene
 Concen: 6.562 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104639.D
 Acq: 19 Apr 2018 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

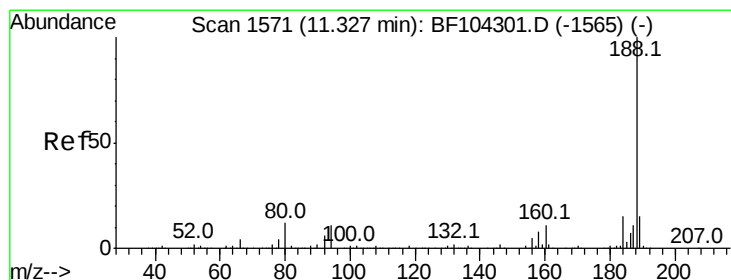
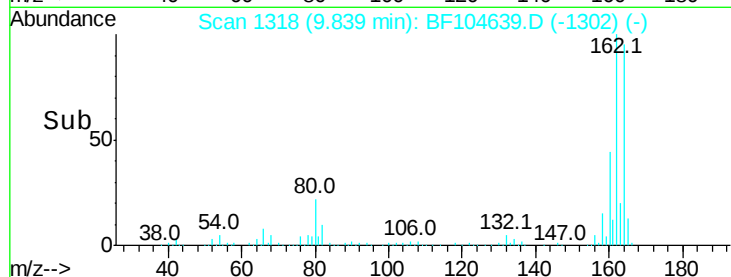
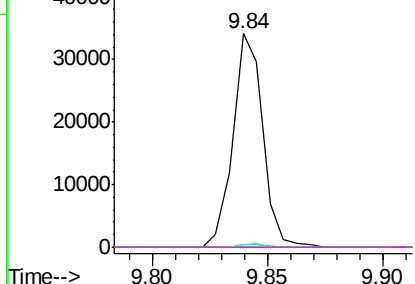


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

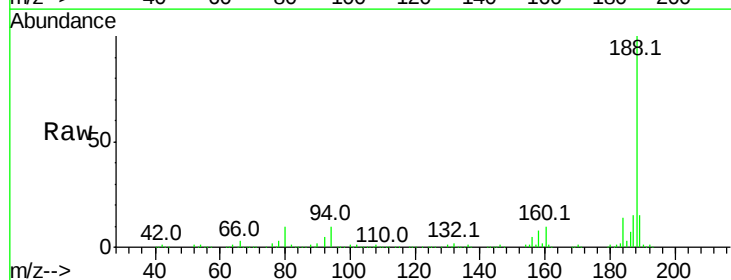
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104639.D
 Acq: 19 Apr 2018 20:18

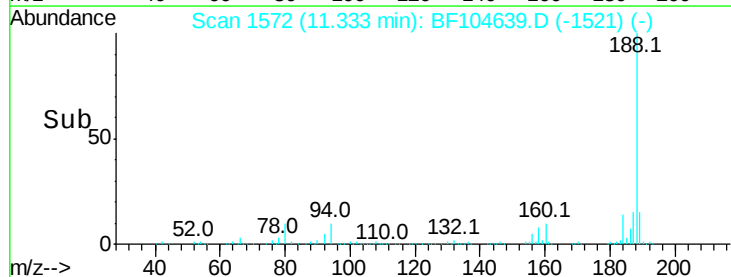
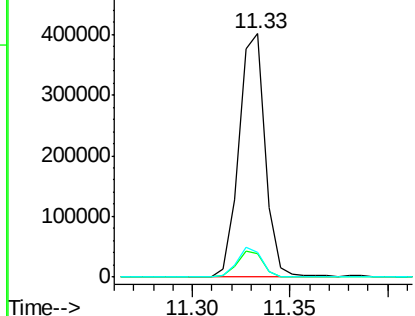
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.3	9.2	13.8

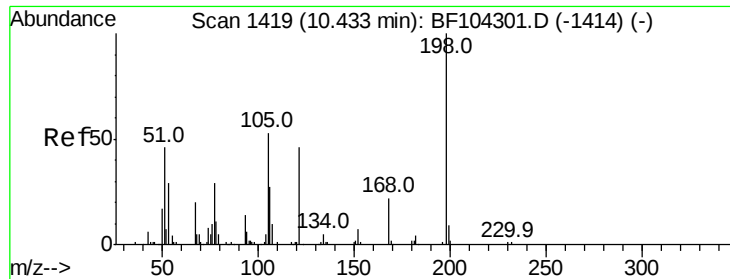


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.672 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

Instrument :

BNA_F

ClientSampleId :

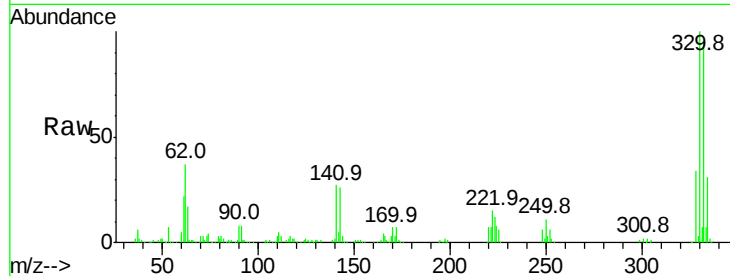
Tot Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 104.9 37.7 77.7#

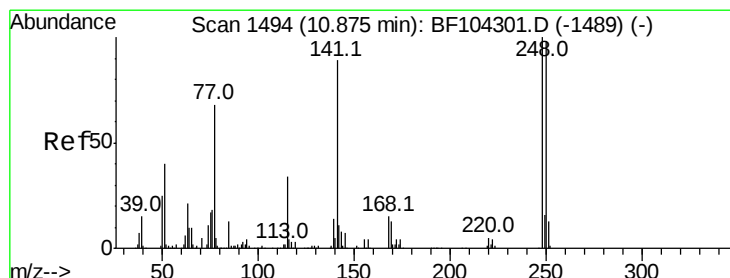
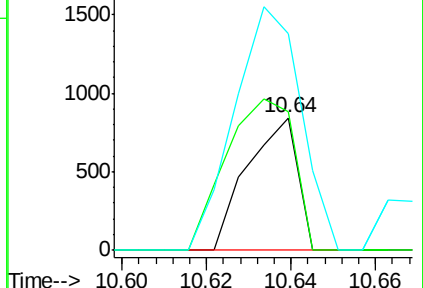
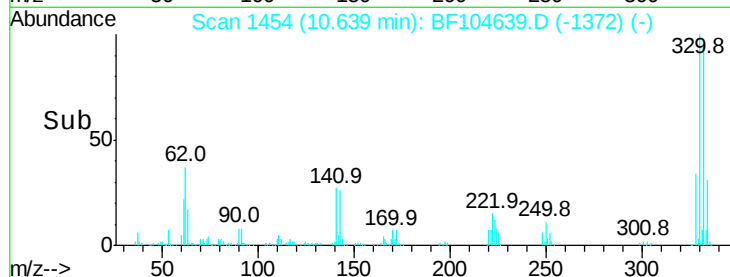
105 163.3 36.3 76.3#



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: 5.222 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

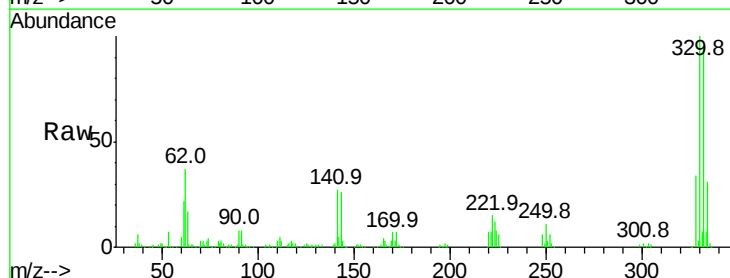
Tgt Ion:248 Resp: 20838

Ion Ratio Lower Upper

248 100

250 189.8 76.9 115.3#

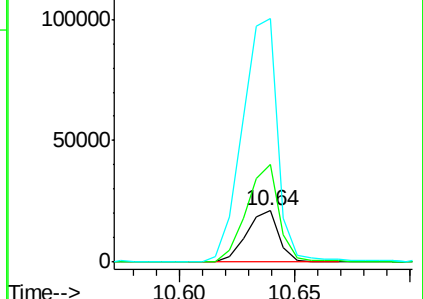
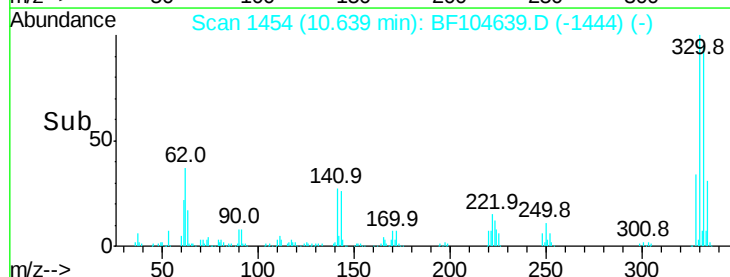
141 475.4 74.4 111.6#

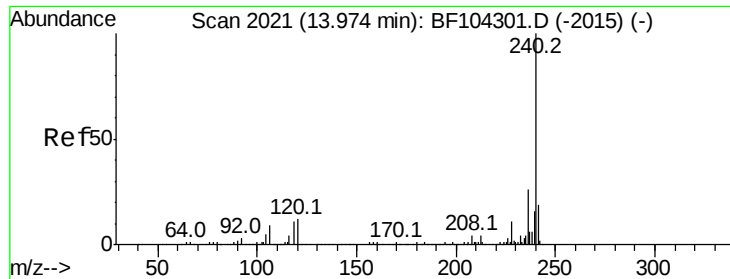


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

Instrument :

BNA_F

ClientSampleId :

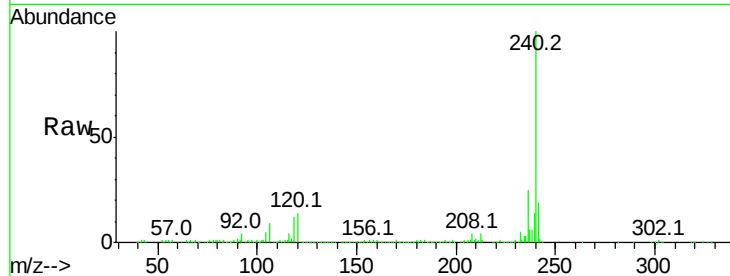
Tot Ion:240 Resp: 304700

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

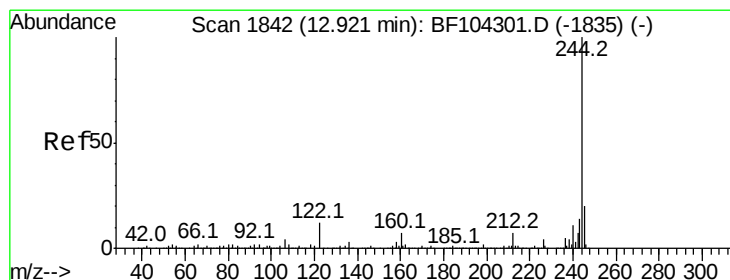
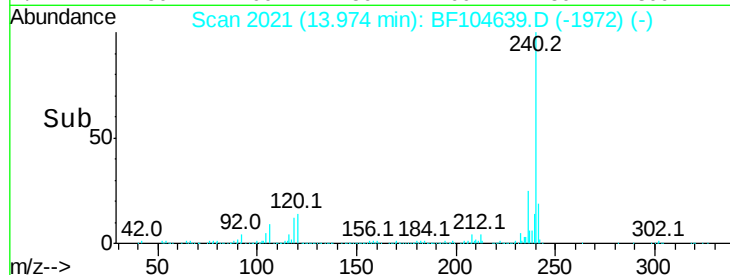
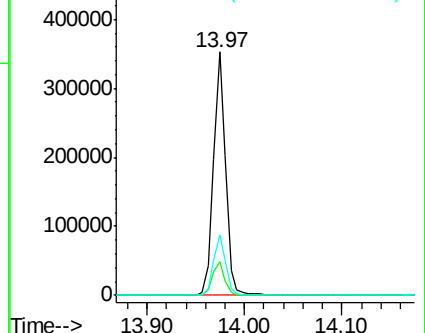
236 25.1 20.7 31.1



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: 98.809 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104639.D

Acq: 19 Apr 2018 20:18

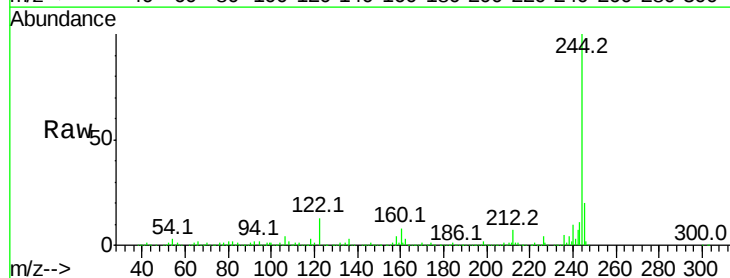
Tgt Ion:244 Resp: 1320592

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

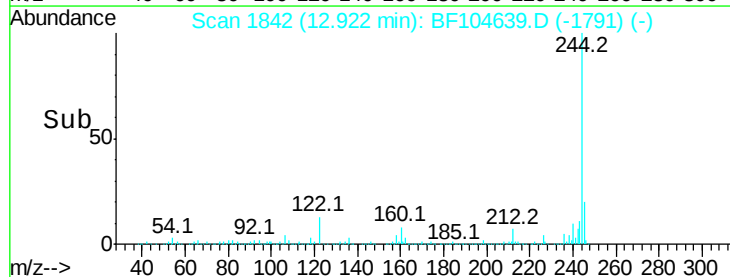
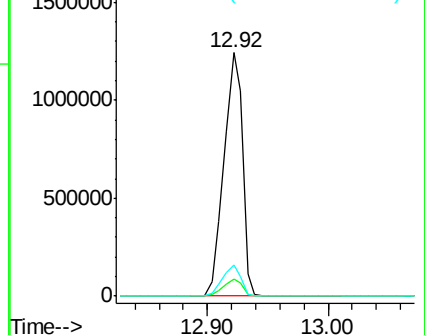
122 12.5 11.0 16.4

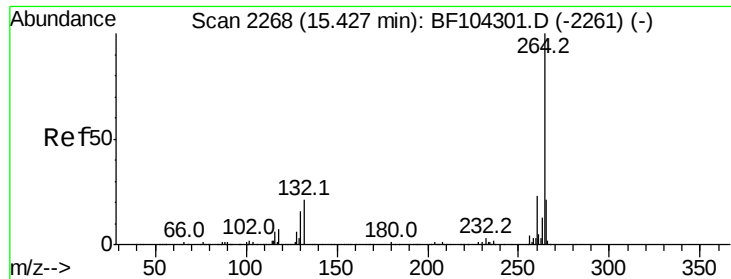


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104639.D
Acq: 19 Apr 2018 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 269563

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.5	26.3

