

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104625.D
 Acq On : 19 Apr 2018 12:32
 Operator : JU/SJ
 Sample : J2413-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 14:46:35 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	120943	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	453285	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	176356	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	269511	20.00	ng	0.00
75) Chrysene-d12	13.97	240	266922	20.00	ng	-0.01
86) Perylene-d12	15.43	264	296181	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	660739	83.54	ng	0.00
7) Phenol-d6	6.44	99	761379	78.34	ng	0.00
23) Nitrobenzene-d5	7.37	82	484625	69.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	144040	78.74	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	772119	69.16	ng	0.00
78) Terphenyl-d14	12.92	244	637914	54.49	ng	0.00

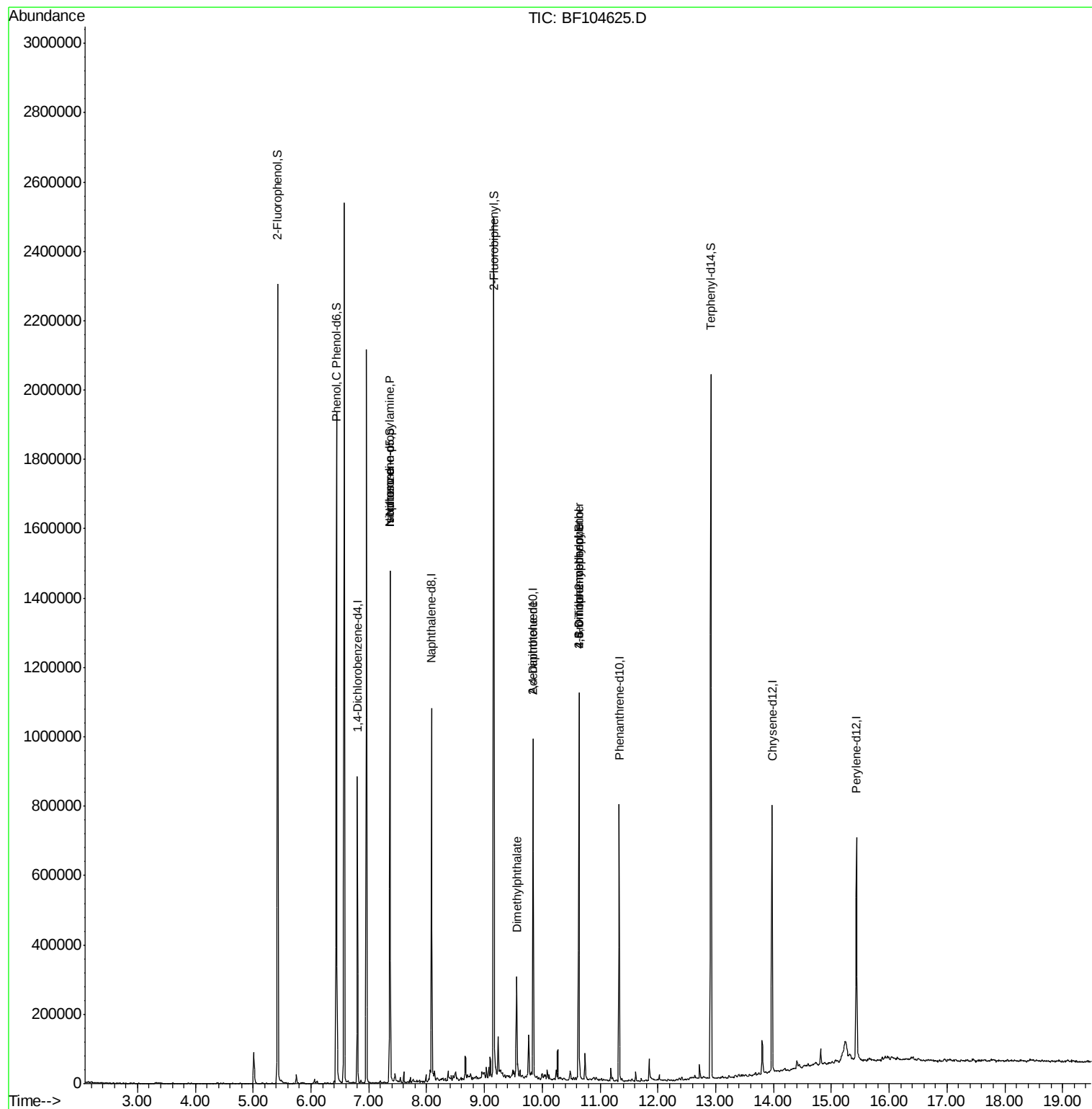
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	27611	2.678	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	62968	9.915	ng	# 74
25) Isophorone	7.37	82	484619	33.014	ng	# 64
49) Dimethylphthalate	9.56	163	92386	6.643	ng	99
56) 2,4-Dinitrotoluene	9.84	165	22287	6.603	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	138	7.436	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8508	2.968	ng	# 1
76) Benzidine	12.92	184	7945	Below Cal		# 94

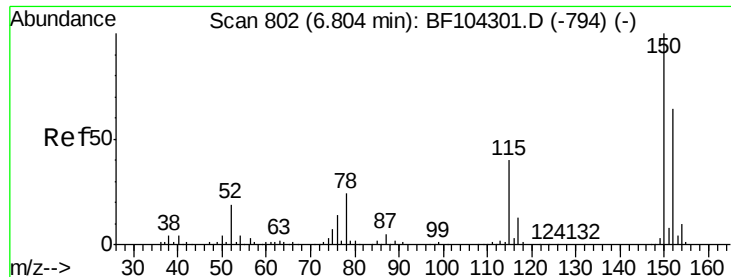
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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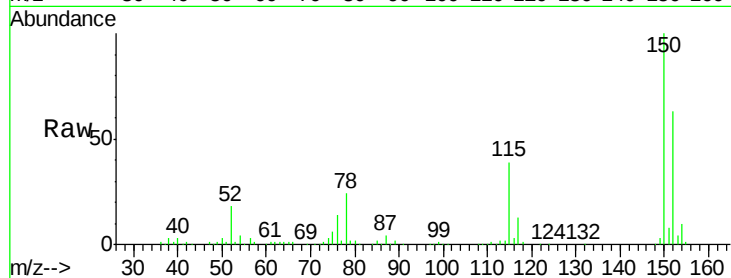


#1

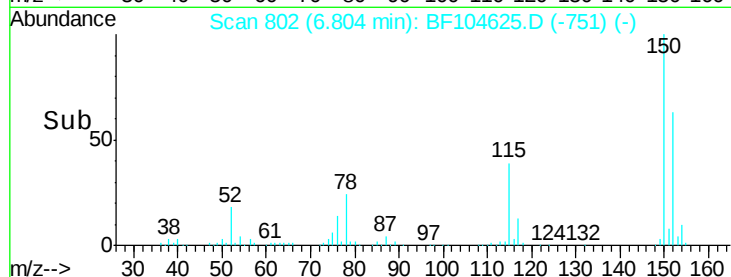
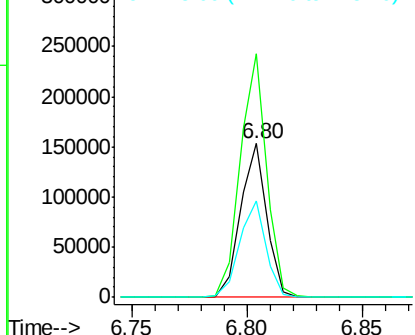
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120943
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 62.4 50.1 75.1



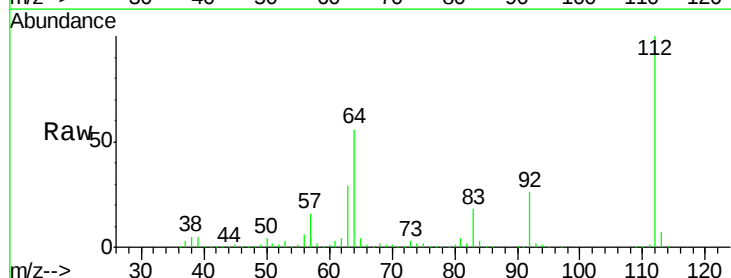
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



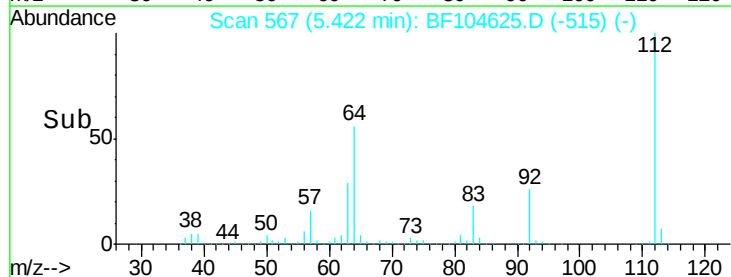
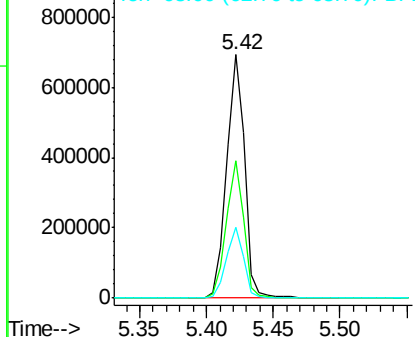
#5

2-Fluorophenol
Concen: 83.536 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Tgt Ion:112 Resp: 660739
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.8 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: 78.344 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104625.D

Acq: 19 Apr 2018 12:32

Instrument :

BNA_F

ClientSampled :

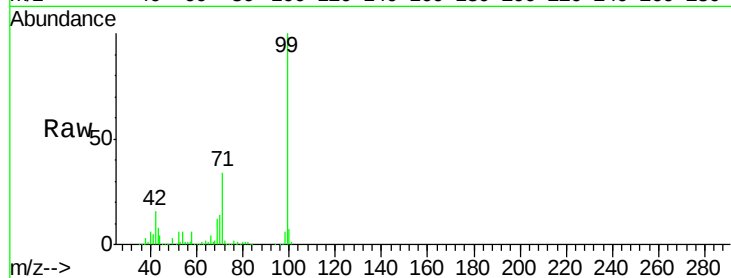
Tot Ion: 99 Resp: 761379

Ion Ratio Lower Upper

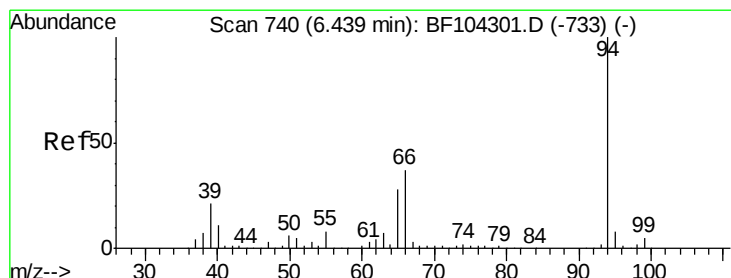
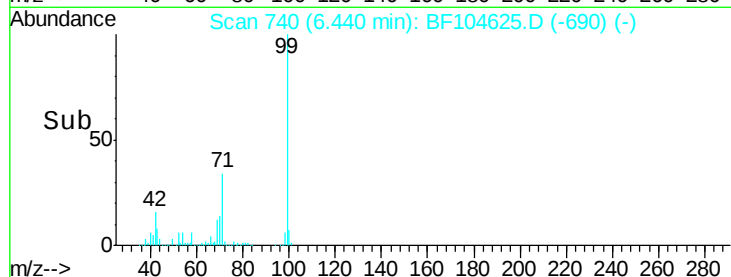
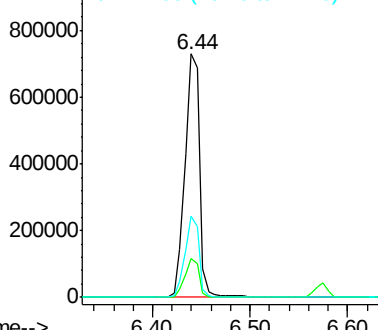
99 100

42 16.0 14.5 21.7

71 33.5 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: 2.678 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104625.D

Acq: 19 Apr 2018 12:32

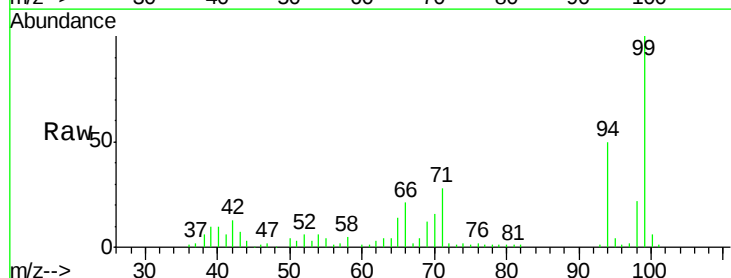
Tgt Ion: 94 Resp: 27611

Ion Ratio Lower Upper

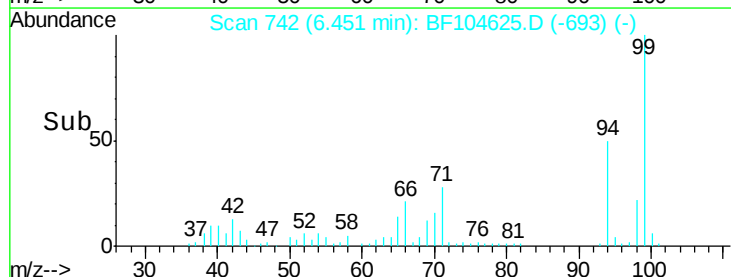
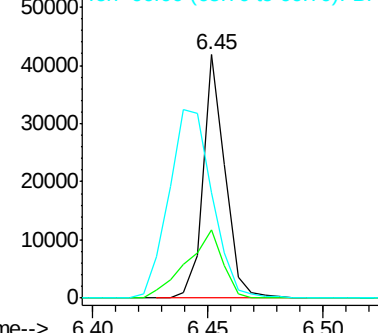
94 100

65 28.0 7.9 47.9

66 43.1 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

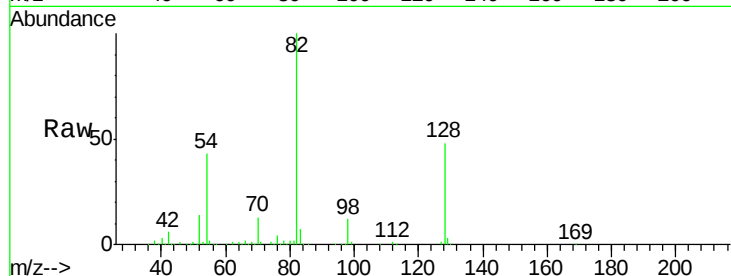




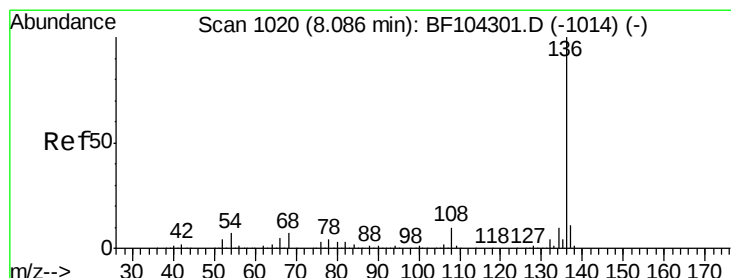
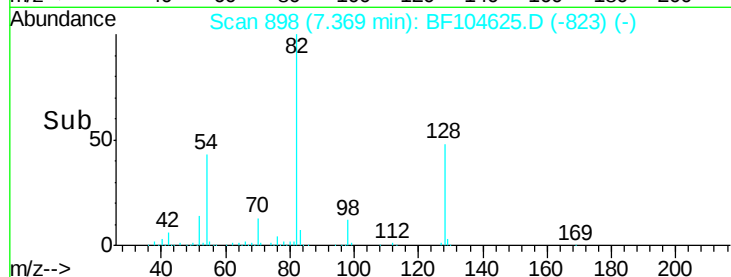
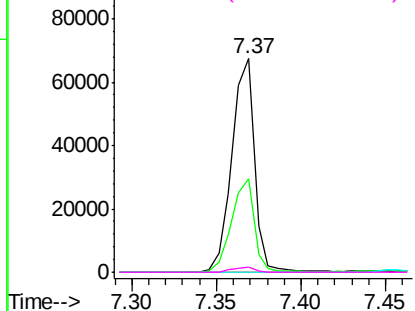
#19
n-Nitroso-di-n-propylamine
Concen: 9.915 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 62968
Ion Ratio Lower Upper
70 100
42 43.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

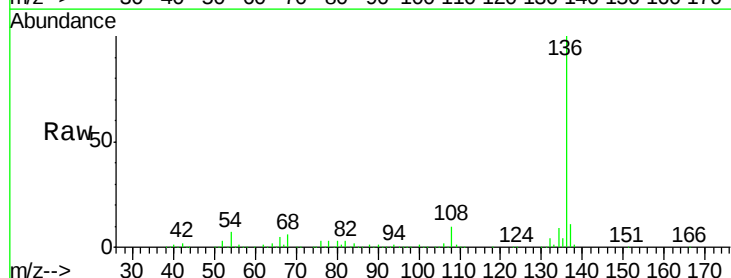


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

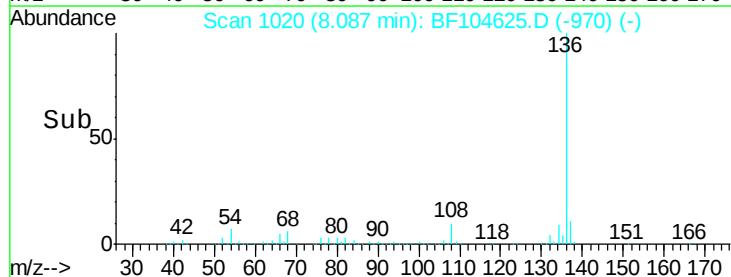
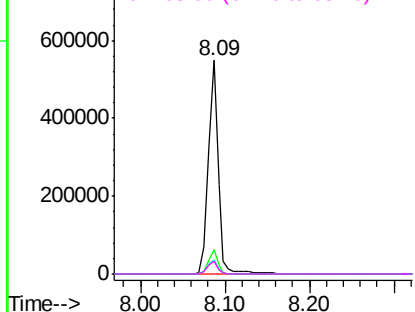


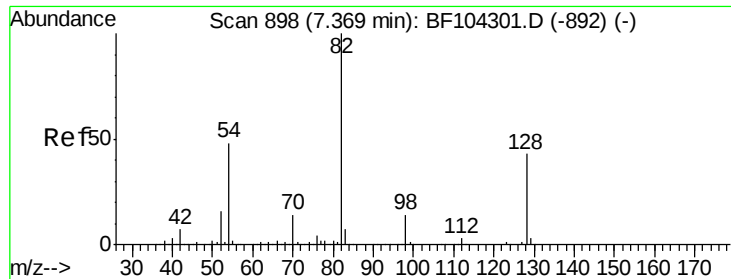
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Tgt Ion: 136 Resp: 453285
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.7 6.6 9.8
68 6.0 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

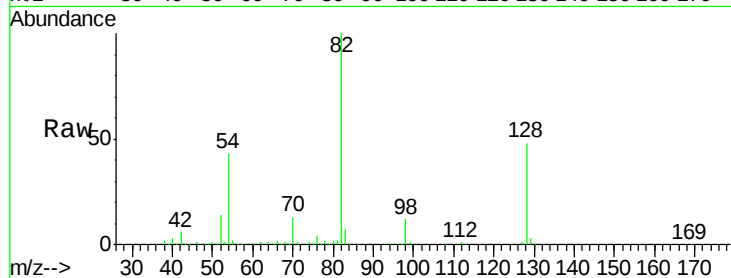




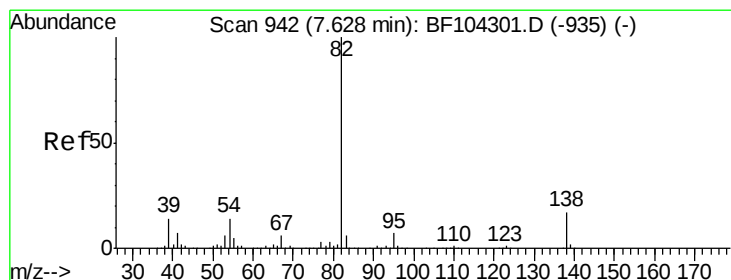
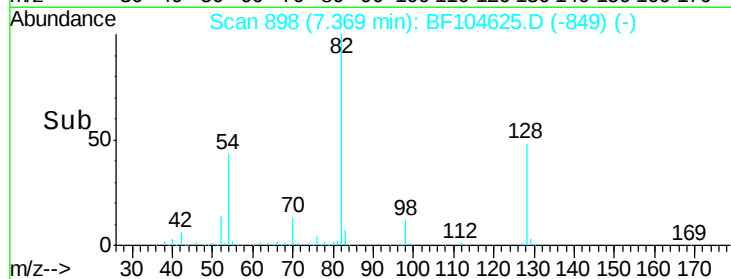
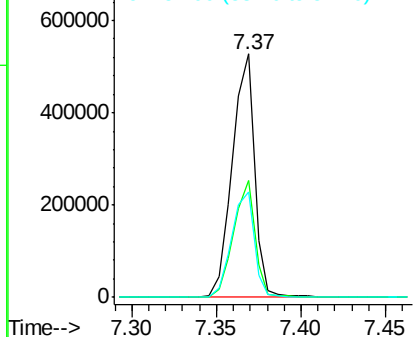
#23
Nitrobenzene-d5
Concen: 69.813 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	484625
Ion Ratio	100	Lower	Upper
128	47.9	36.1	54.1
54	43.2	41.4	62.2

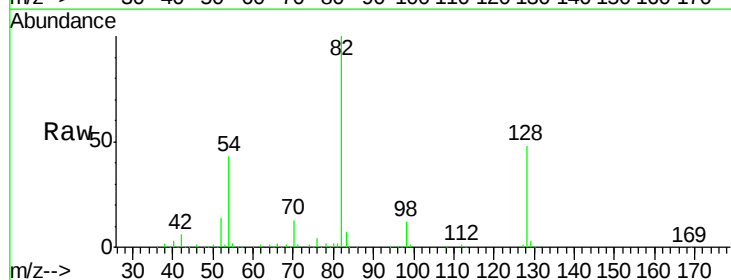


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

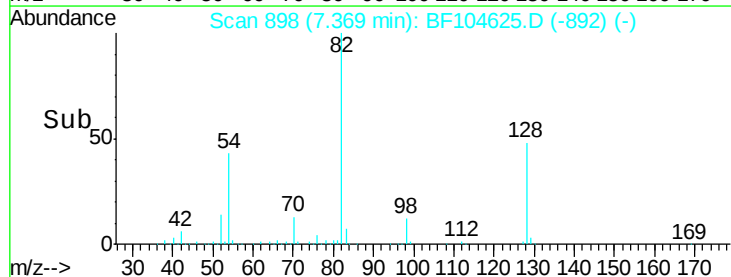
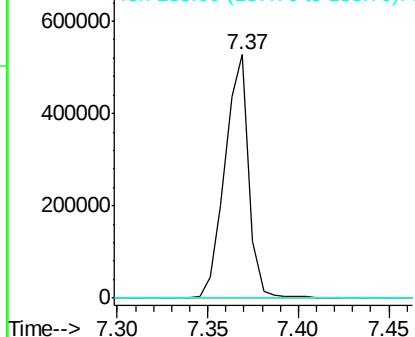


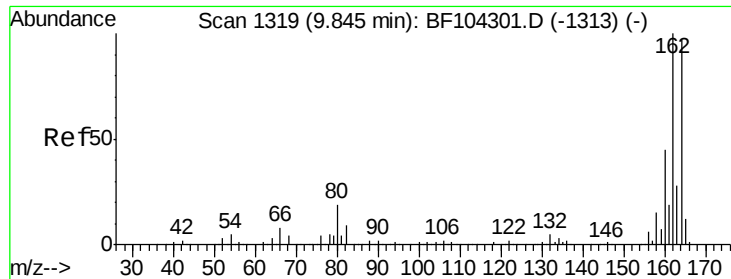
#25
Isophorone
Concen: 33.014 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Tgt Ion	82	Resp	484619
Ion Ratio	100	Lower	Upper
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

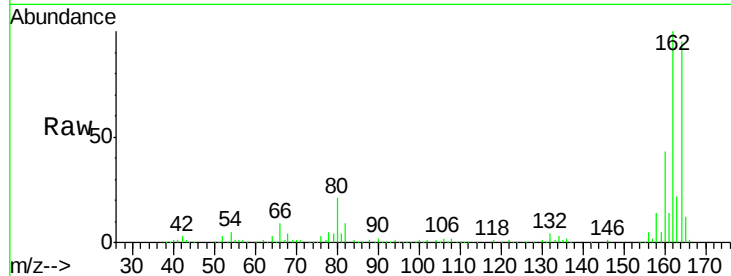




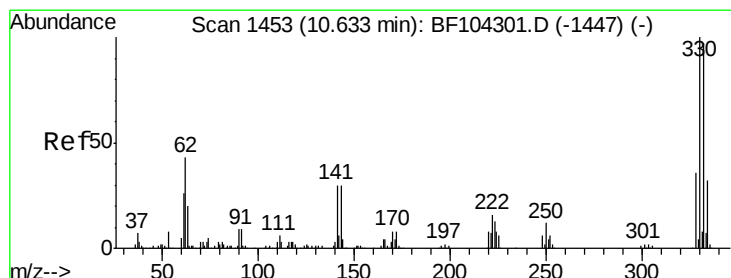
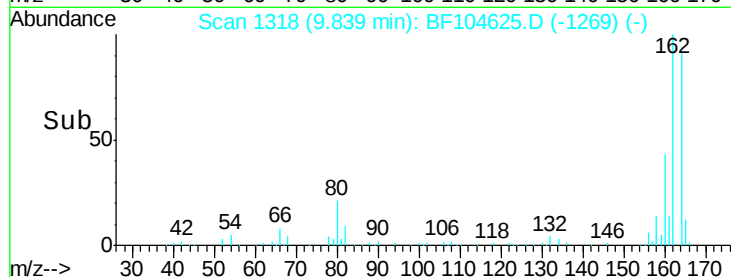
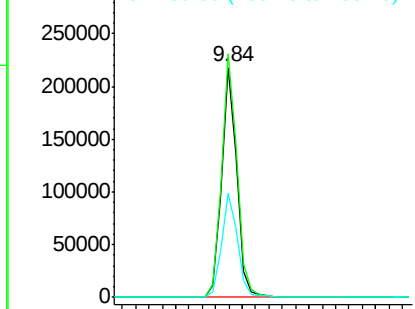
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104625.D
 Acq: 19 Apr 2018 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 176356
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 45.2 38.3 57.5

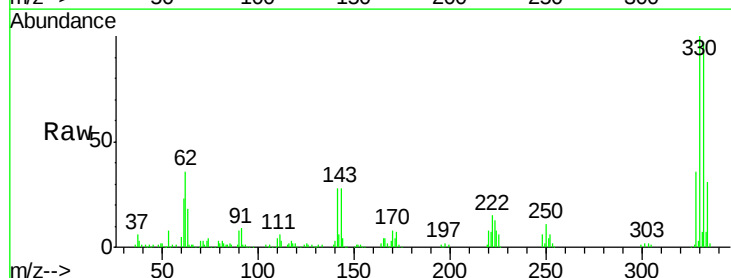


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

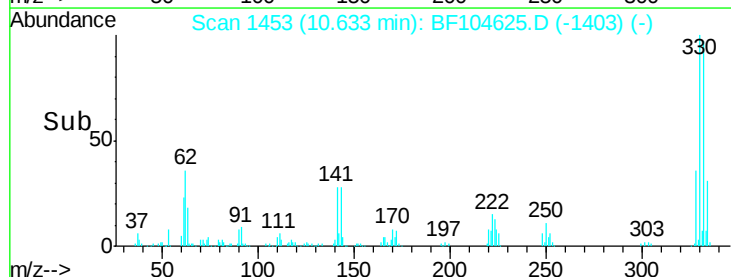
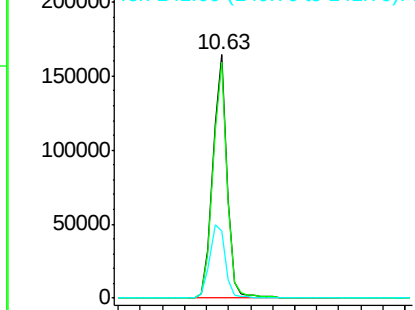


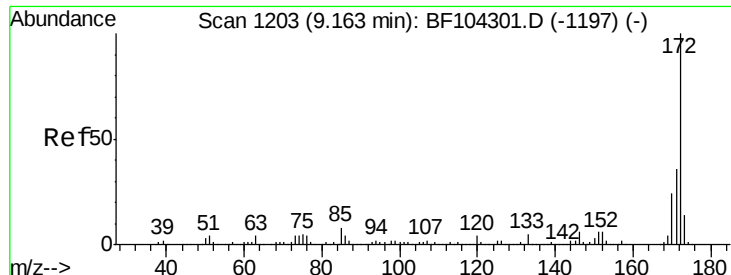
#41
 2,4,6-Tribromophenol
 Concen: 78.737 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104625.D
 Acq: 19 Apr 2018 12:32

Tgt Ion:330 Resp: 144040
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 33.1 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

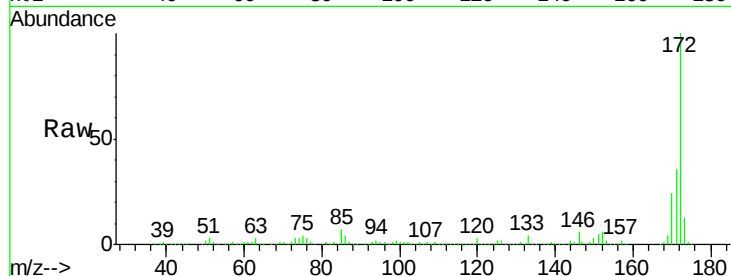




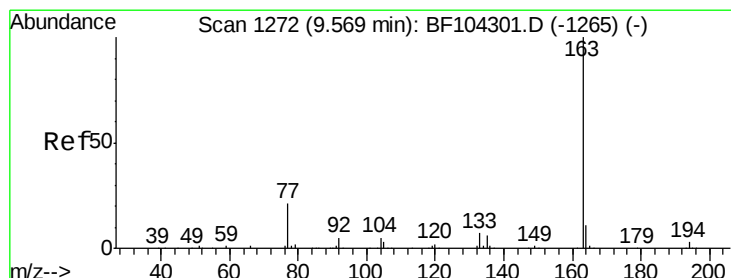
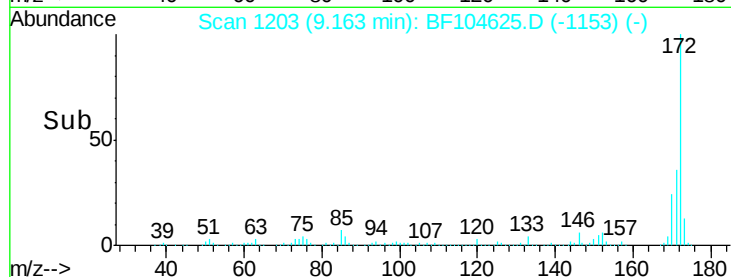
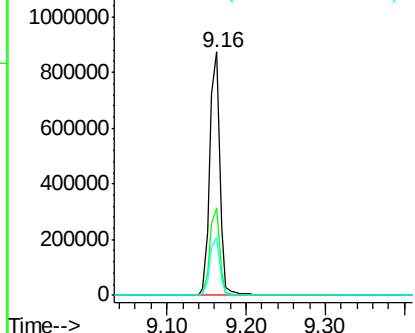
#44
2-Fluorobiphenyl
Concen: 69.164 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 772119
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

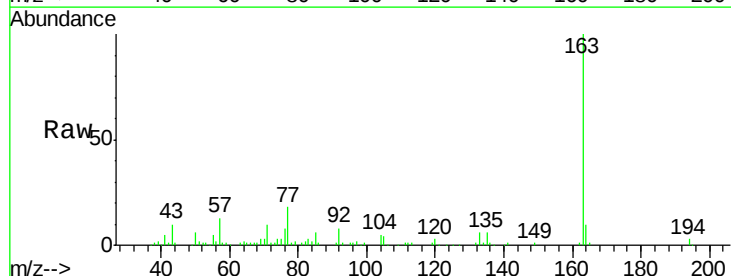


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

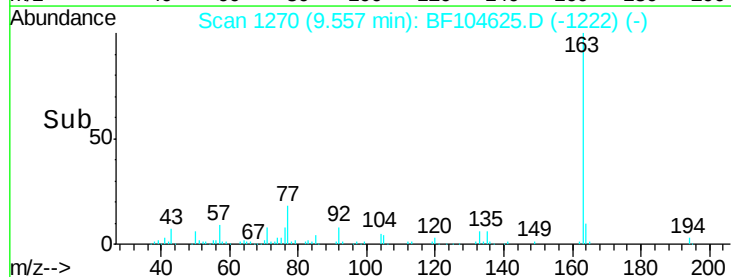
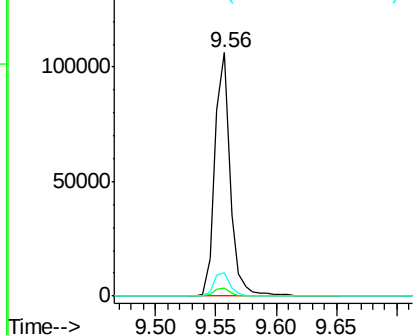


#49
Dimethylphthalate
Concen: 6.643 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Tgt Ion:163 Resp: 92386
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.9 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

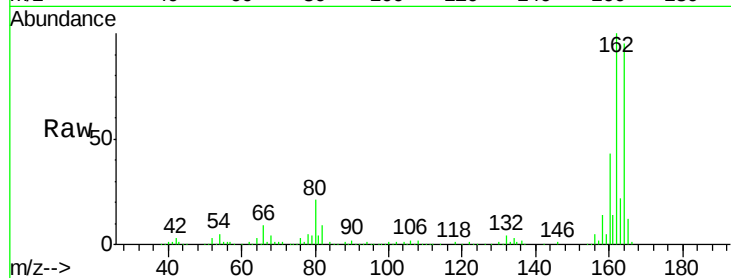




#56
2,4-Dinitrotoluene
Concen: 6.603 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp: 22287
Ion Ratio	Lower Upper
165 100	
63 1.2	36.4 54.6#
89 1.6	57.8 86.6#
182 0.0	1.6 2.4#

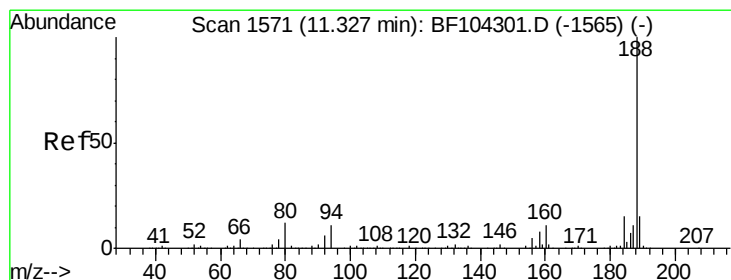
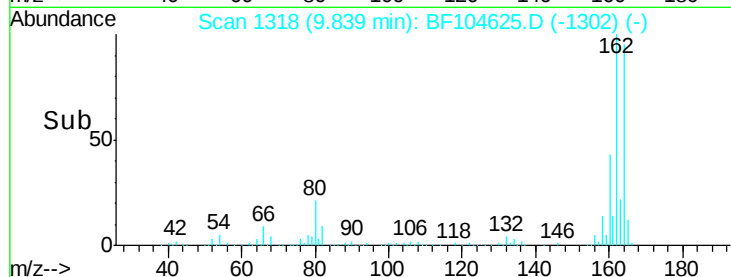
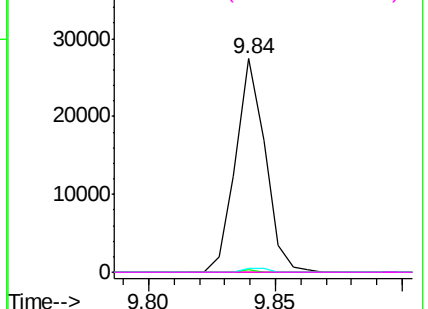


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

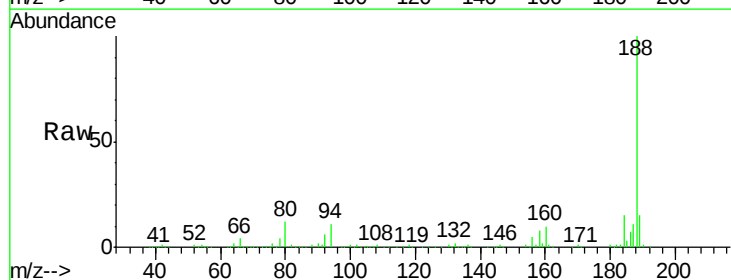
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

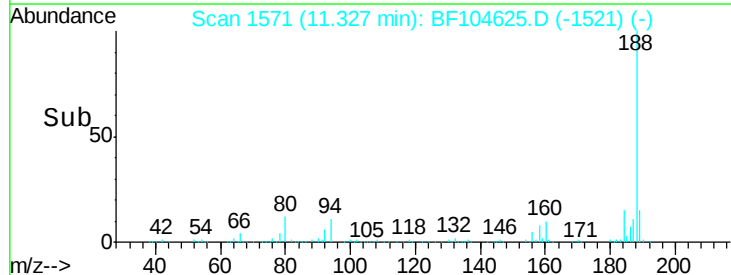
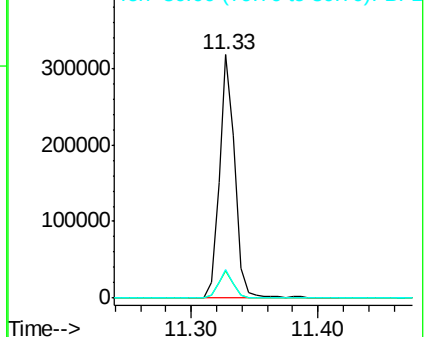
Tgt Ion	188	Resp: Lower	269511 Upper
	Ratio		
188	100		
94	11.4	8.5	12.7
80	11.8	9.2	13.8

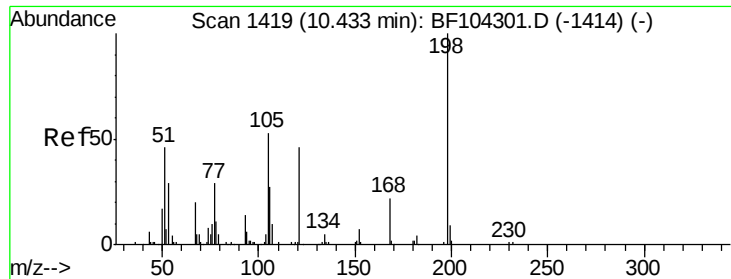


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

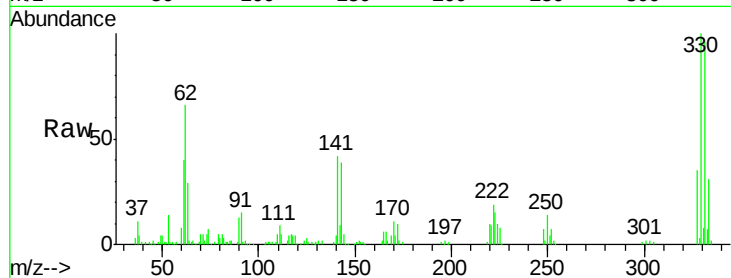




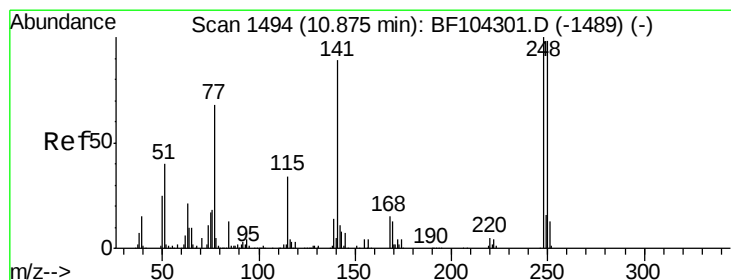
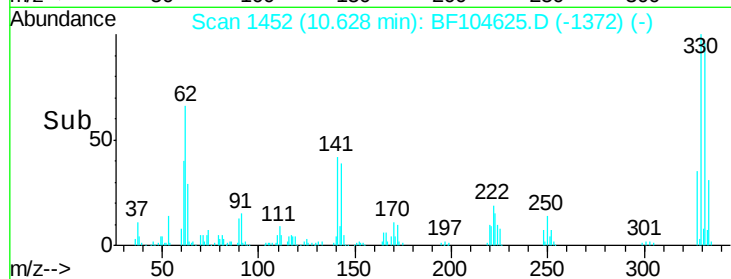
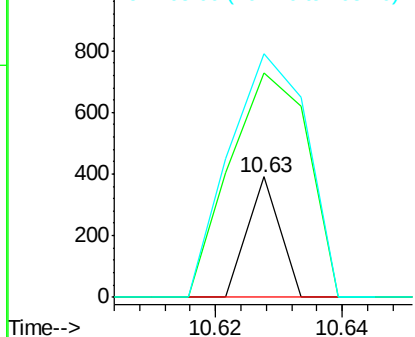
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.436 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104625.D
 Acq: 19 Apr 2018 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 138
 Ion Ratio Lower Upper
 198 100
 51 186.7 37.7 77.7#
 105 202.6 36.3 76.3#

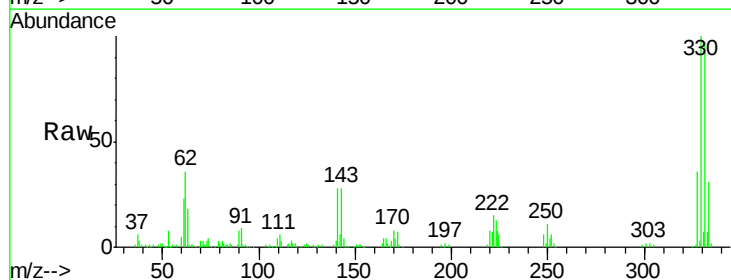


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

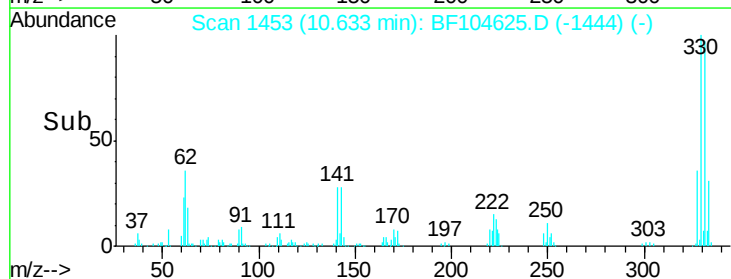
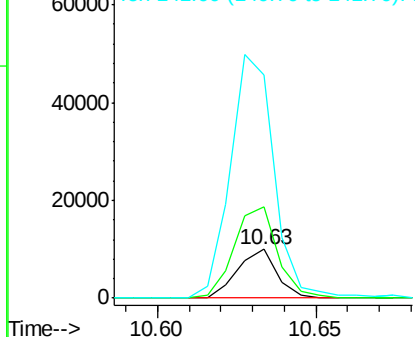


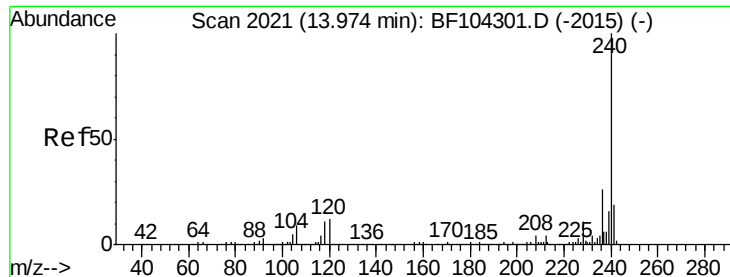
#66
 4-Bromophenyl-phenylether
 Concen: 2.968 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104625.D
 Acq: 19 Apr 2018 12:32

Tgt Ion:248 Resp: 8508
 Ion Ratio Lower Upper
 248 100
 250 186.8 76.9 115.3#
 141 457.6 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: BF104625.D

Acq: 19 Apr 2018 12:32

Instrument :

BNA_F

ClientSampleId :

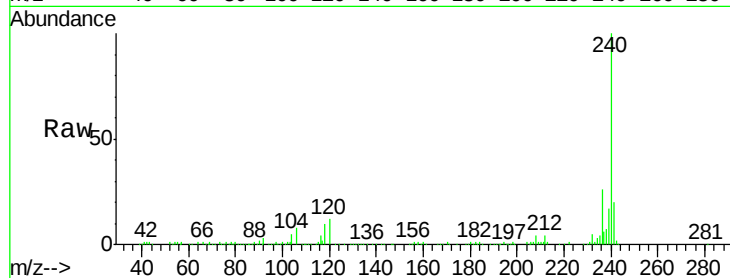
Tot Ion:240 Resp: 266922

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

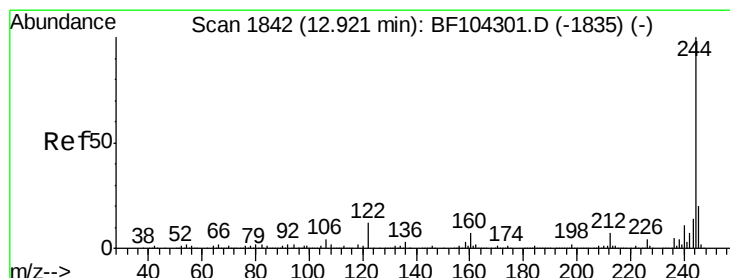
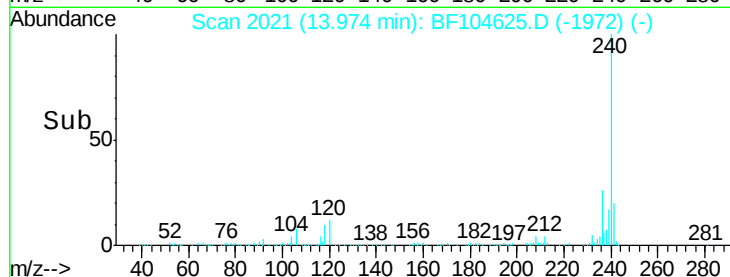
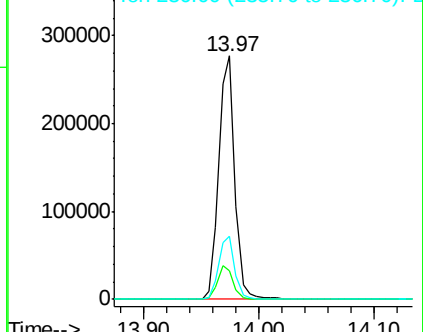
236 26.0 20.7 31.1



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: 54.485 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104625.D

Acq: 19 Apr 2018 12:32

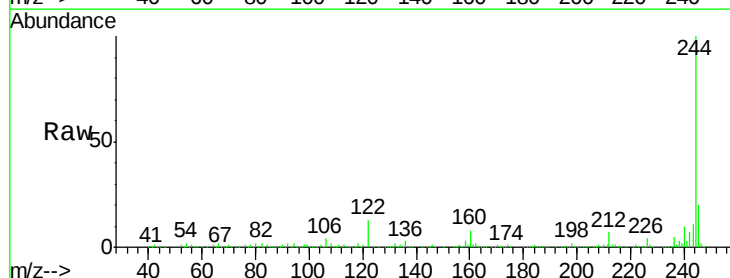
Tgt Ion:244 Resp: 637914

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

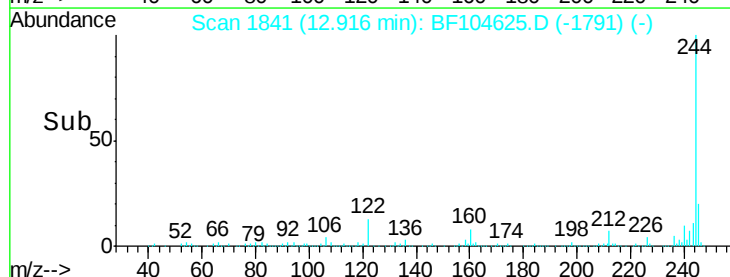
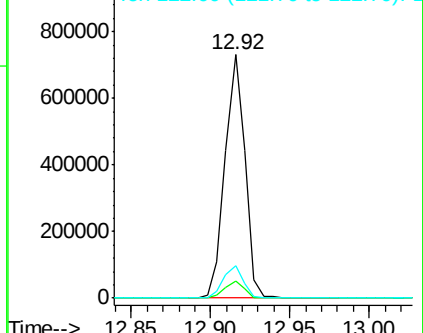
122 13.2 11.0 16.4

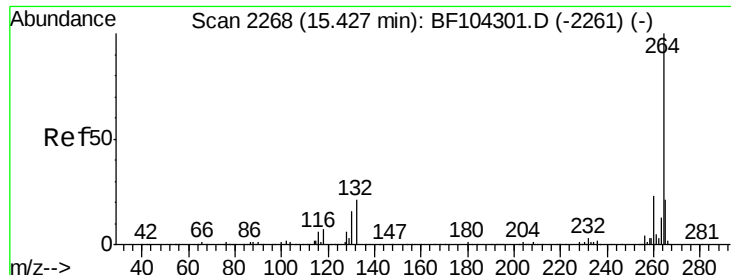


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF104625.D
Acq: 19 Apr 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.5	17.5	26.3

