

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104740.D
 Acq On : 24 Apr 2018 6:58
 Operator : JU/SJ
 Sample : J2503-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 08:34:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111087	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	439735	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179152	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	287647	20.00	ng	0.00
75) Chrysene-d12	13.98	240	204224	20.00	ng	0.00
86) Perylene-d12	15.45	264	150282	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	762939	105.01	ng	0.02
7) Phenol-d6	6.45	99	805125	90.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	611198	90.76	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	204136	109.85	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1117941	98.58	ng	0.00
78) Terphenyl-d14	12.92	244	933101	104.17	ng	0.00

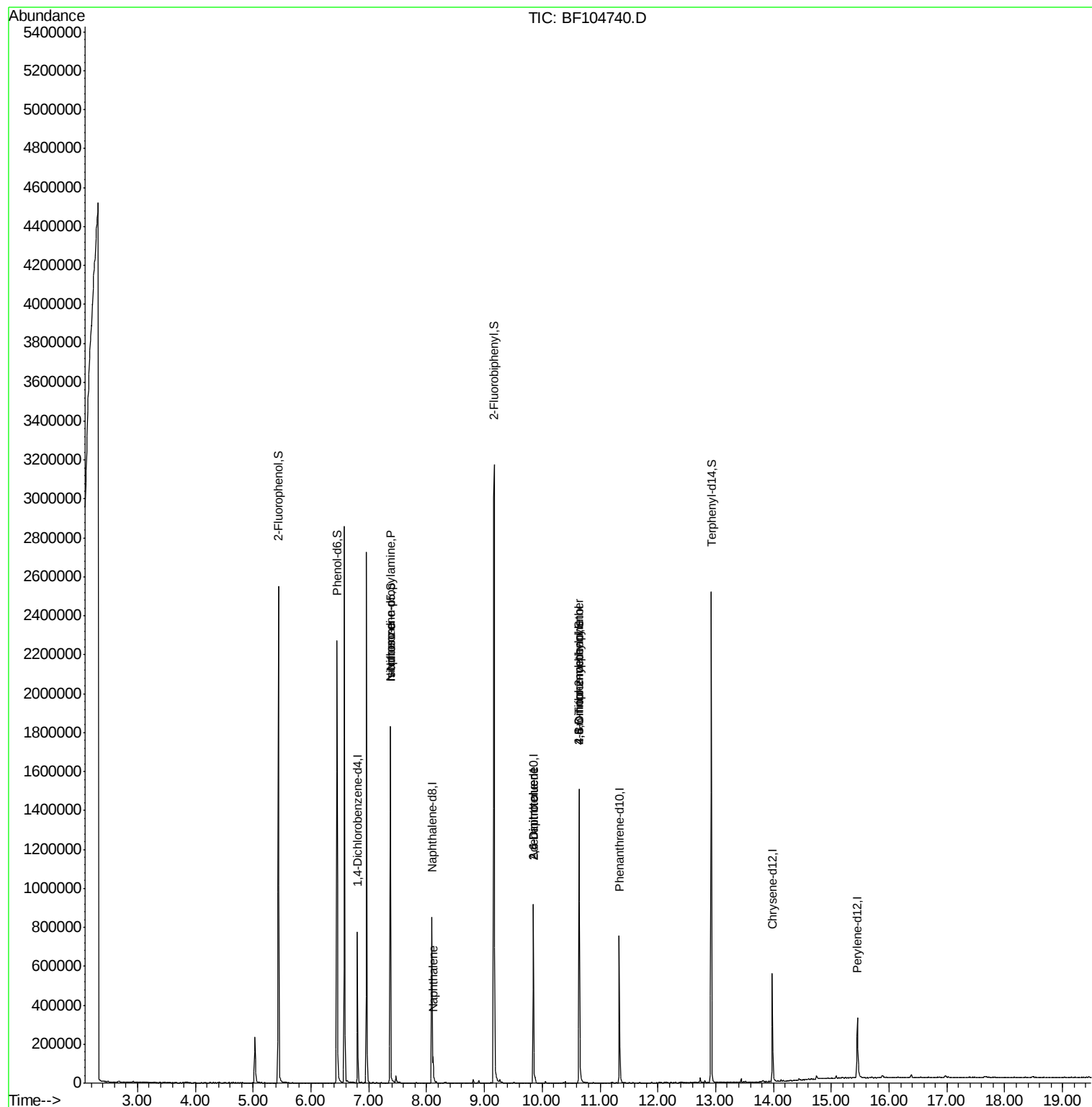
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1246	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	80018	13.718	ng	# 72
25) Isophorone	7.37	82	611188	42.919	ng	# 64
31) Naphthalene	8.11	128	47369	2.163	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	22607	8.648	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	22607	6.593	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	135	7.429	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12082	3.949	ng	# 1
76) Benzidine	12.92	184	11774	Below Cal	#	95

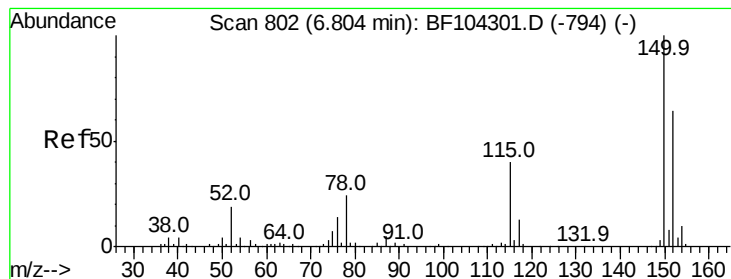
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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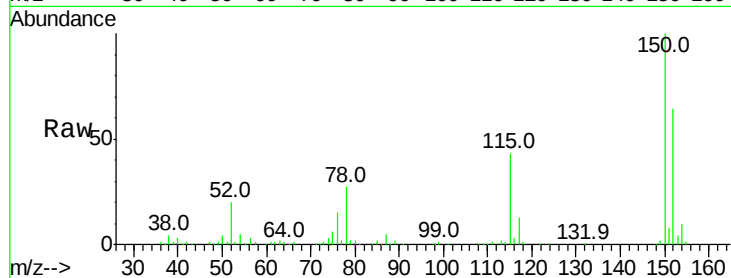


#1

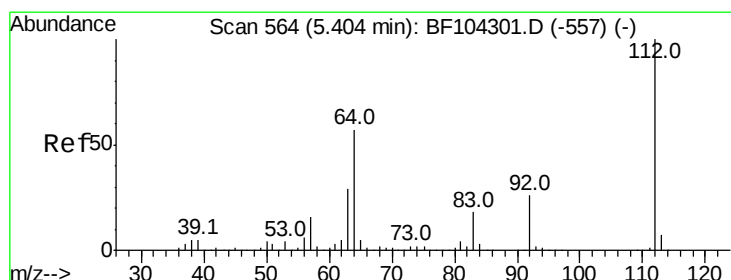
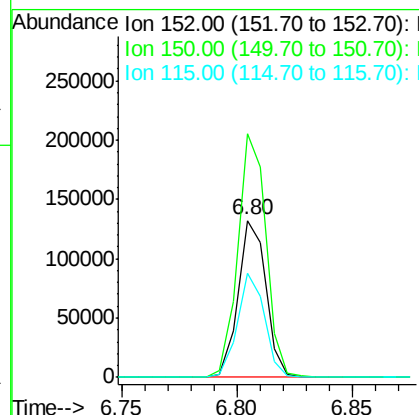
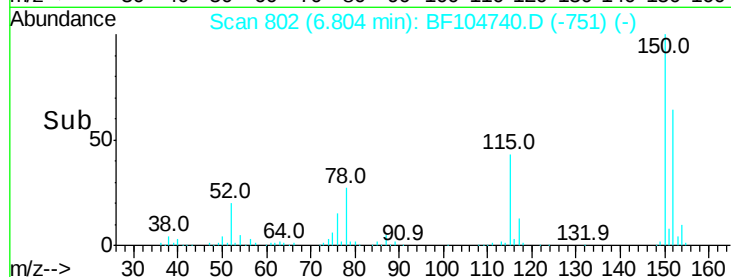
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 111087
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 66.6 50.1 75.1



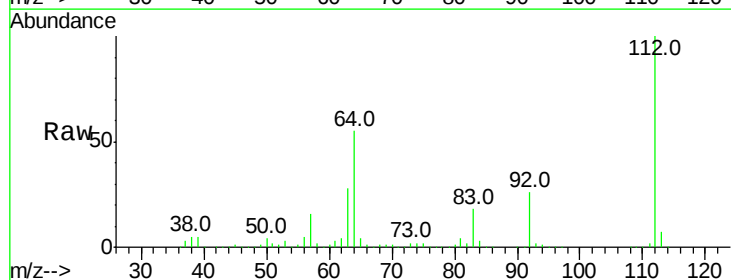
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



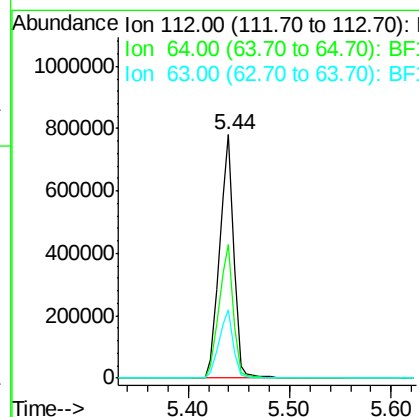
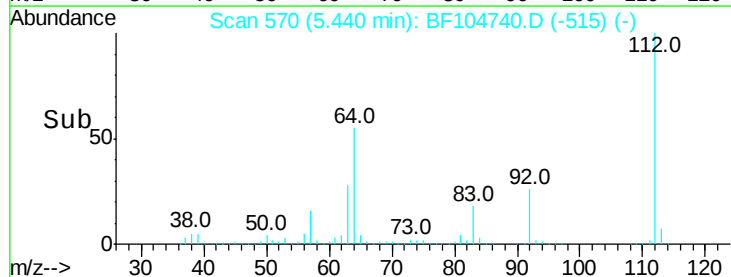
#5

2-Fluorophenol
Concen: 105.015 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Tgt Ion:112 Resp: 762939
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 27.9 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: 90.196 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

Instrument :

BNA_F

ClientSampled :

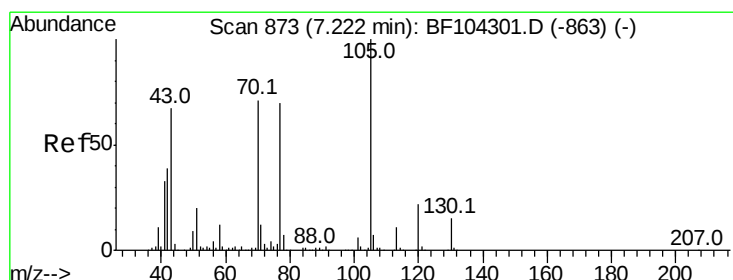
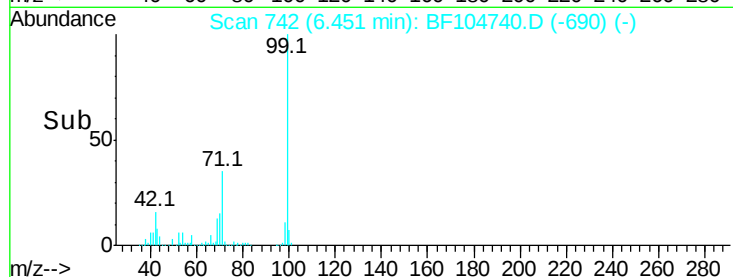
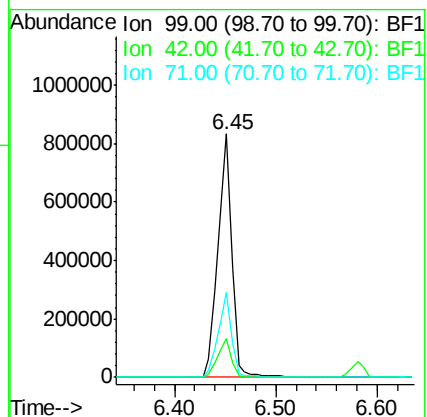
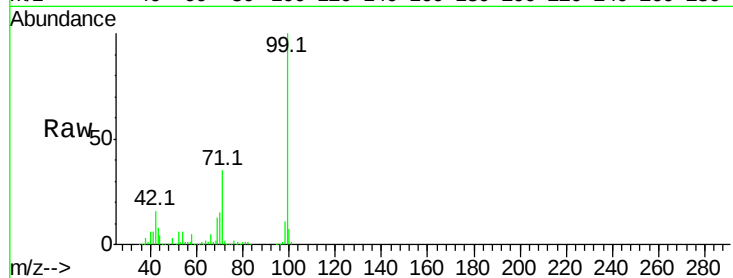
Tot Ion: 99 Resp: 805125

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.718 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

Tgt Ion: 70 Resp: 80018

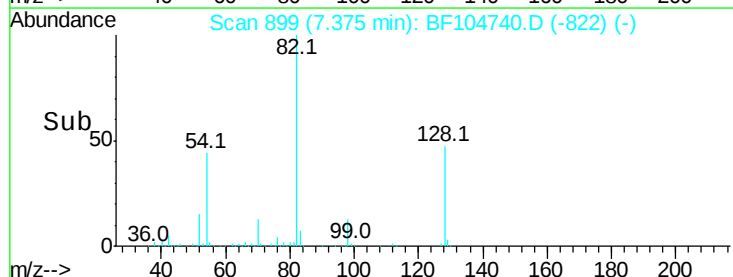
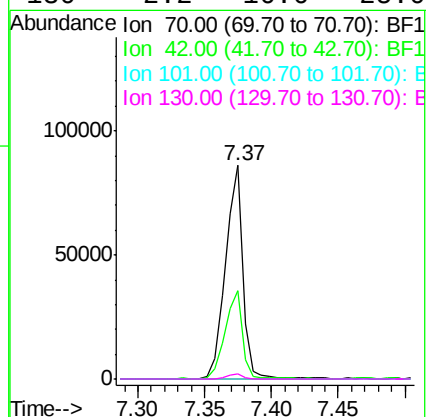
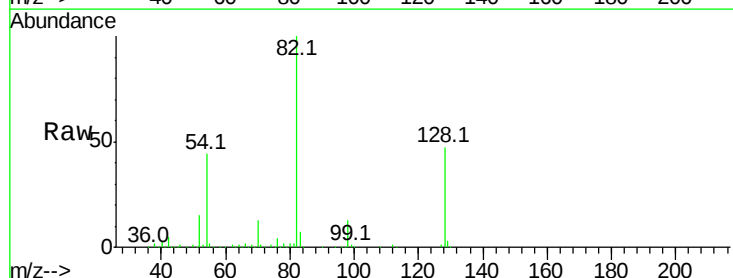
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

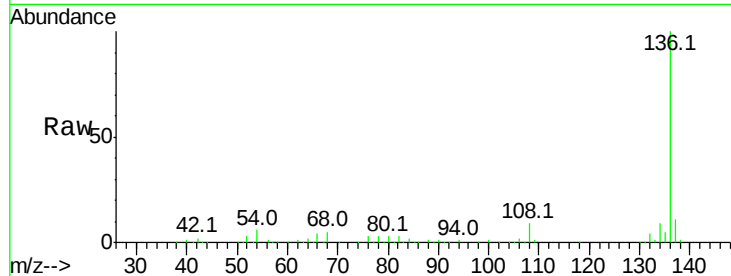




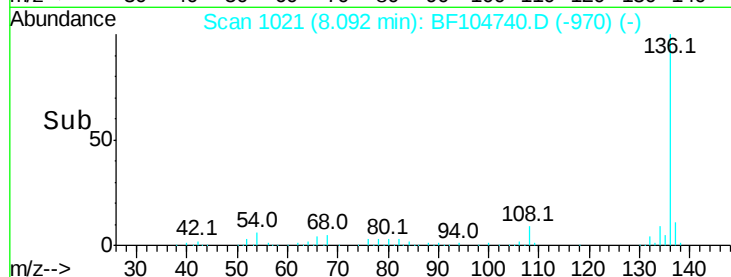
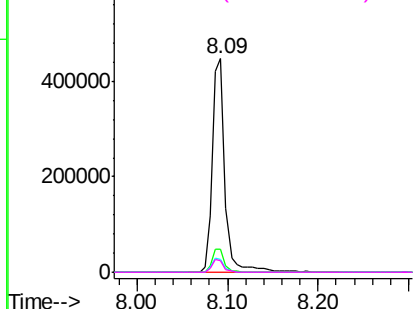
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	439735
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.2	6.6	9.8#
68	5.4	5.0	7.4

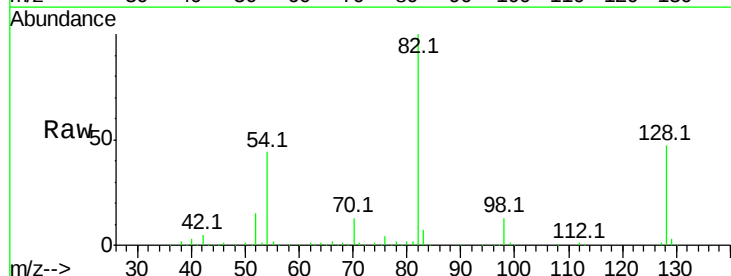


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

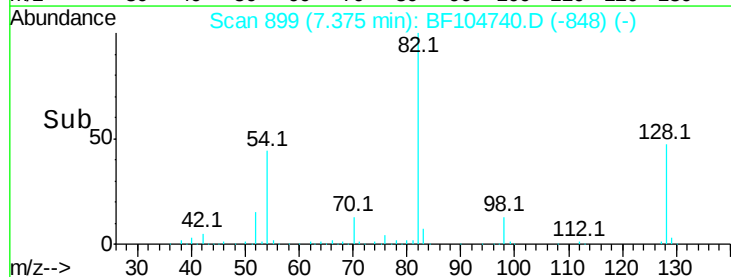
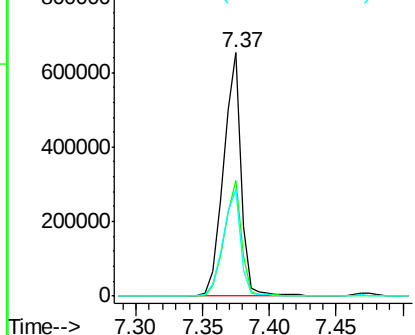


#23
Nitrobenzene-d5
Concen: 90.759 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Tgt Ion:	82	Resp:	611198
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	44.0	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: 42.919 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

Instrument :

BNA_F

ClientSampled :

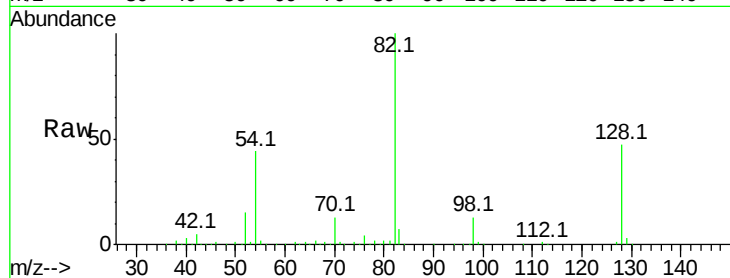
Tot Ion: 82 Resp: 611188

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

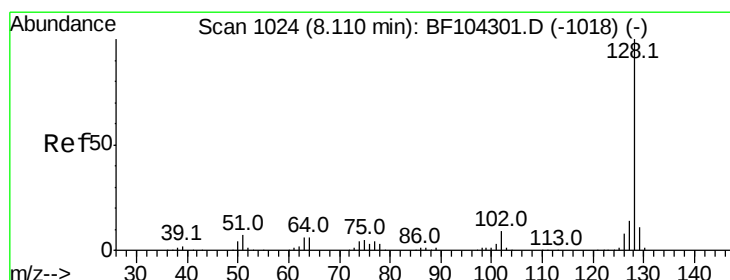
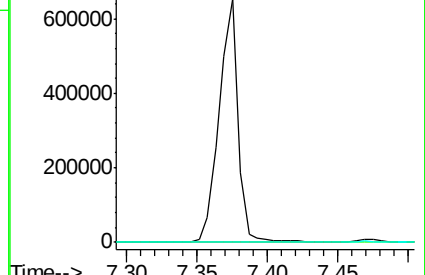
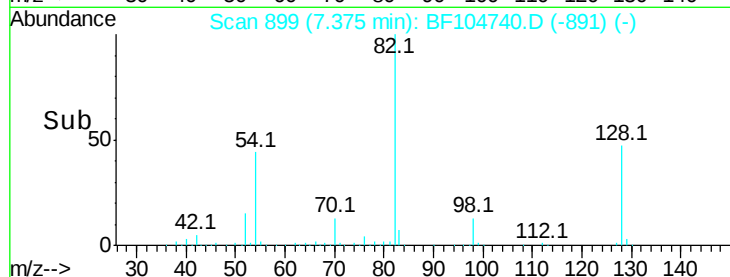
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.163 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

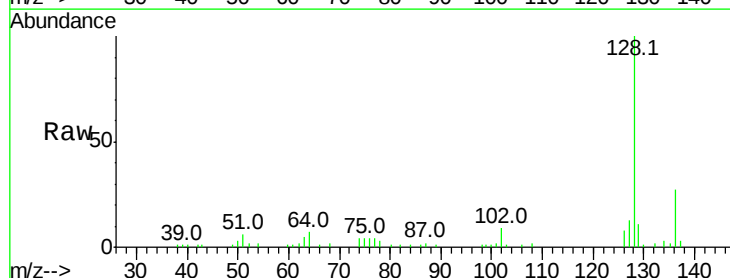
Tgt Ion: 128 Resp: 47369

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

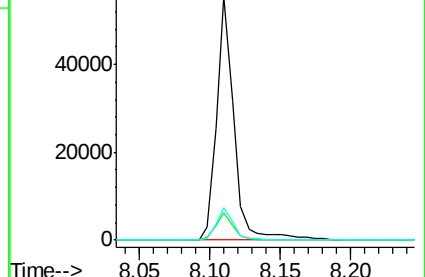
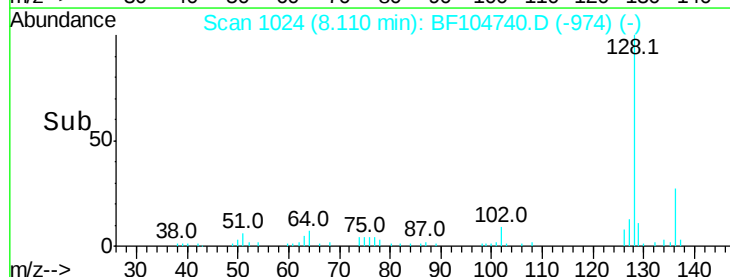
127 13.1 10.9 16.3

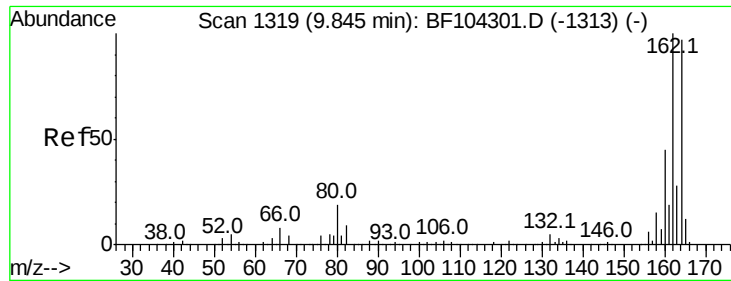


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

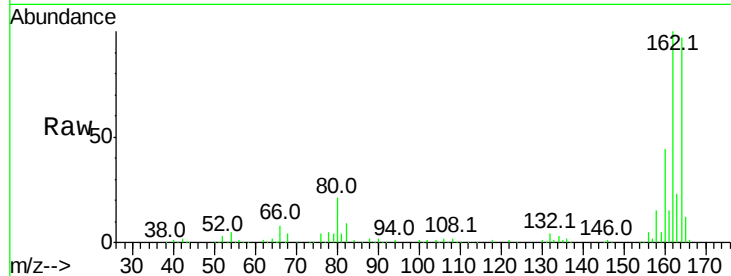




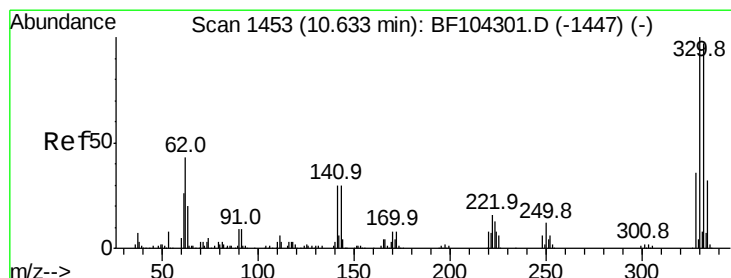
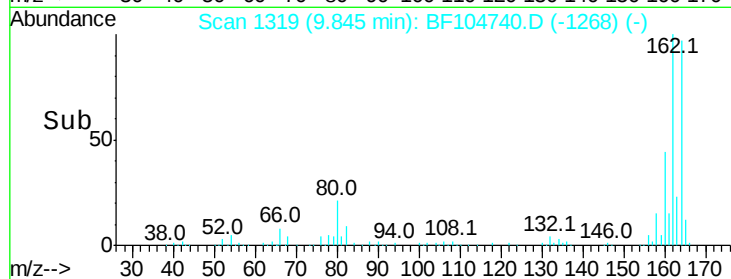
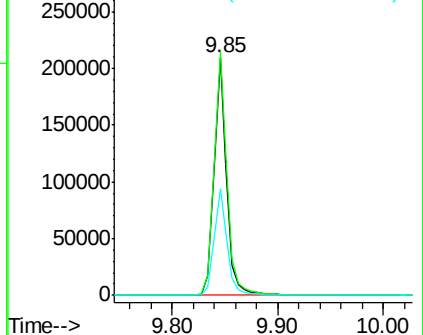
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.2	38.3	57.5

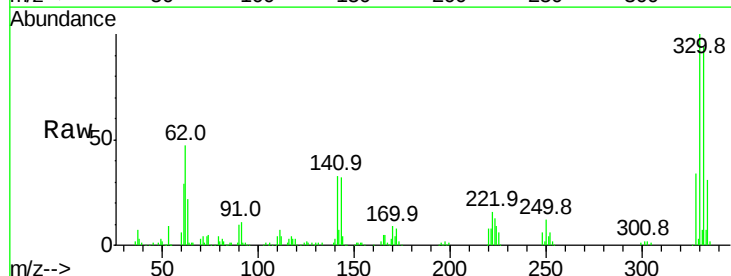


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

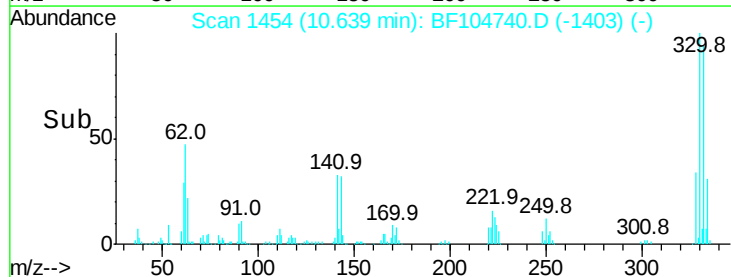
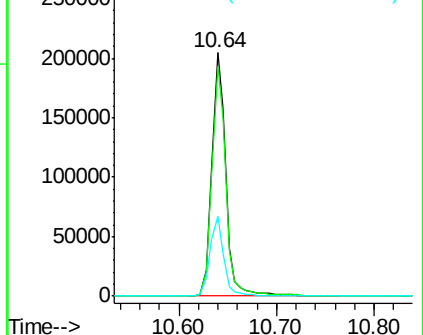


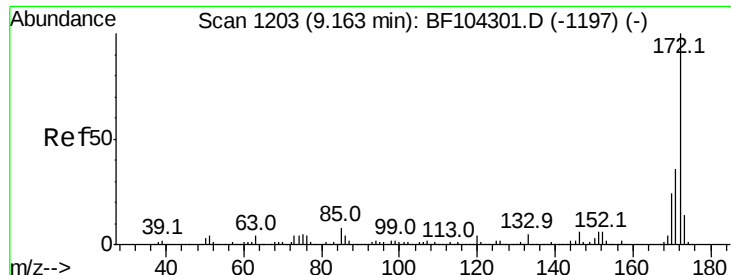
#41
 2,4,6-Tribromophenol
 Concen: 109.845 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	32.5	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



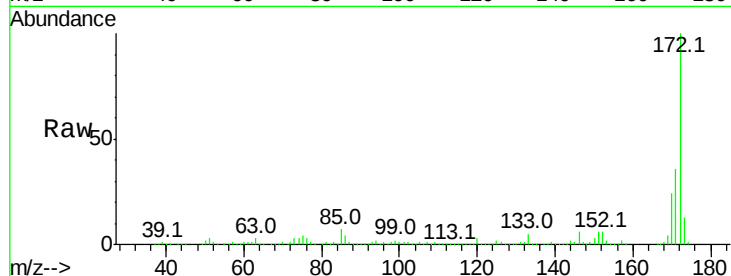


#44
 2-Fluorobiphenyl
 Concen: 98.579 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

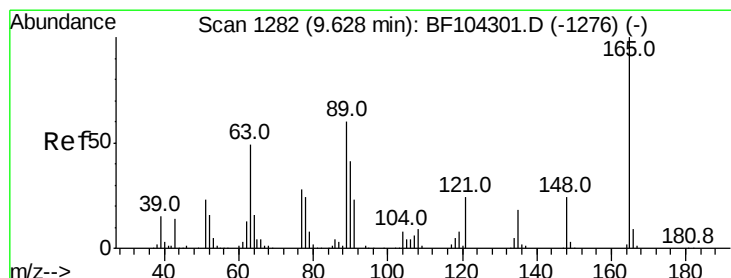
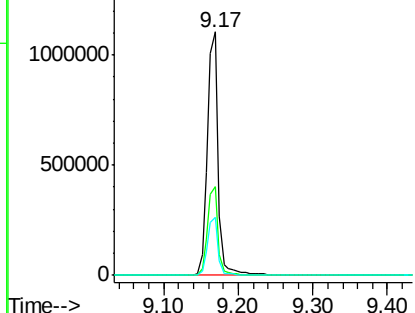
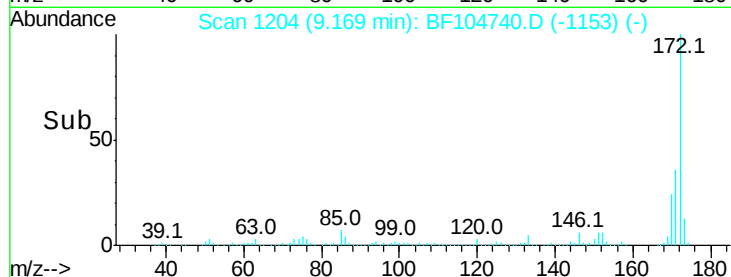
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1117941

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4



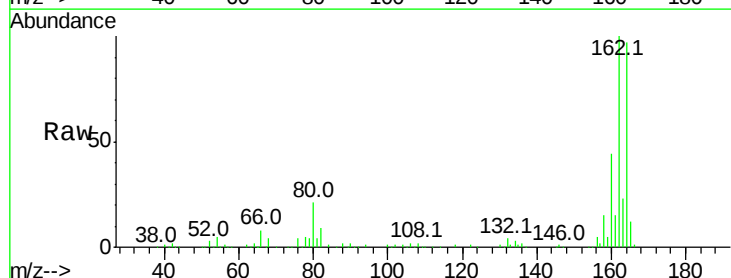
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



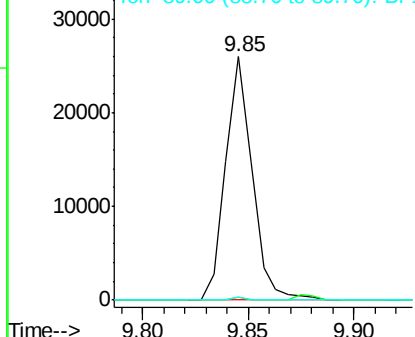
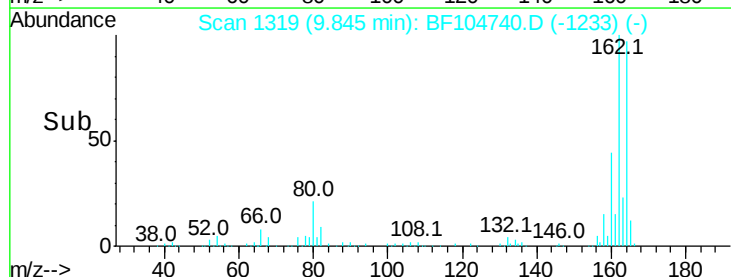
#50
 2,6-Dinitrotoluene
 Concen: 8.648 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

Tgt Ion:165 Resp: 22607

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	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

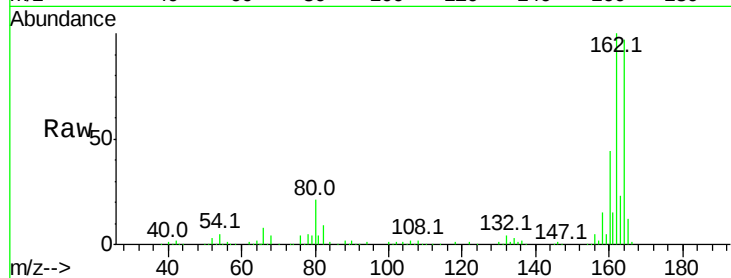




#56
2,4-Dinitrotoluene
Concen: 6.593 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	22607
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

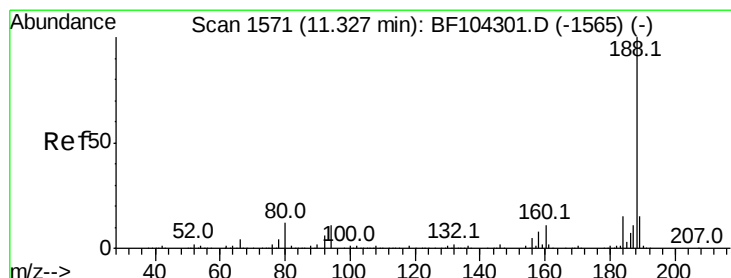
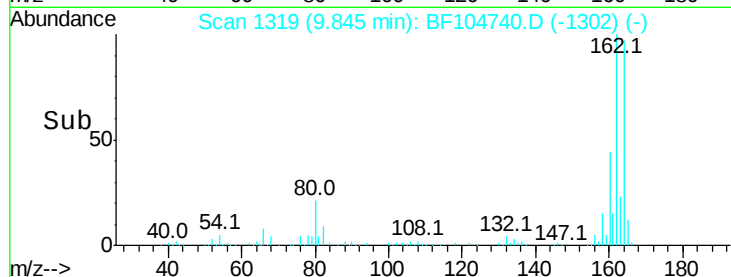
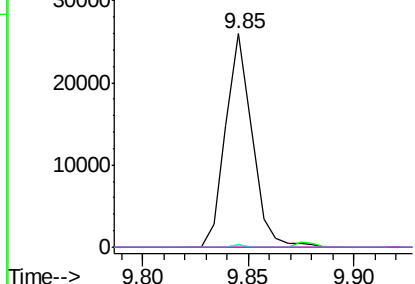


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

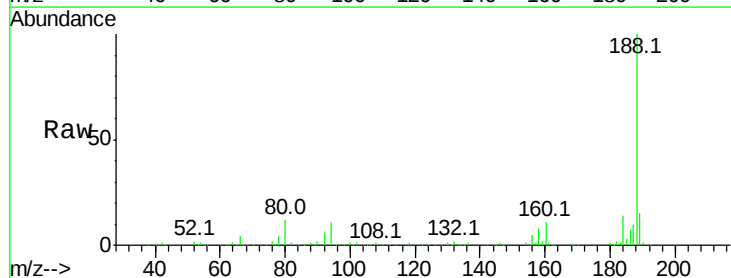
Ion 89.00 (88.70 to 89.70): BF1

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: BF104740.D
Acq: 24 Apr 2018 6:58

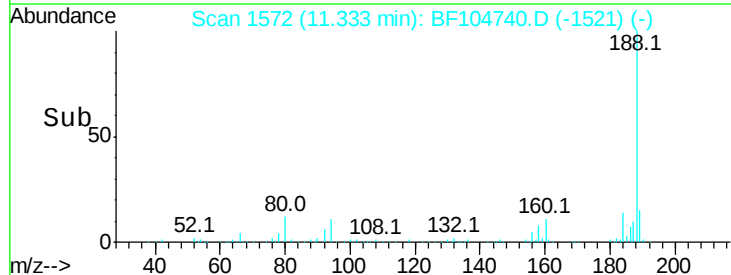
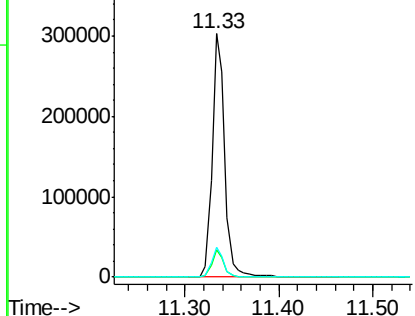
Tgt Ion:	188	Resp:	287647
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.4	9.2	13.8



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

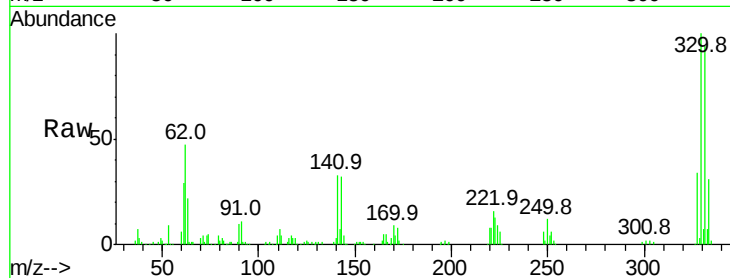




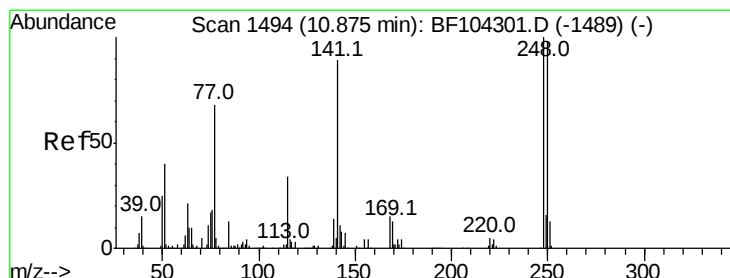
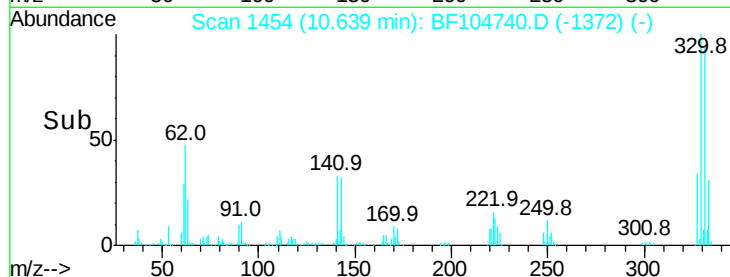
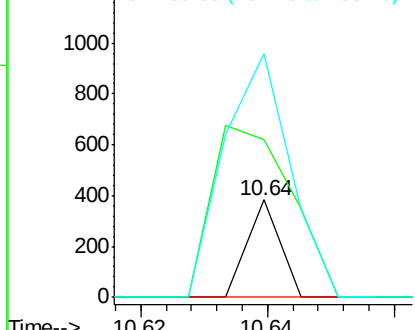
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.429 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	162.0	37.7	77.7#
105	250.8	36.3	76.3#

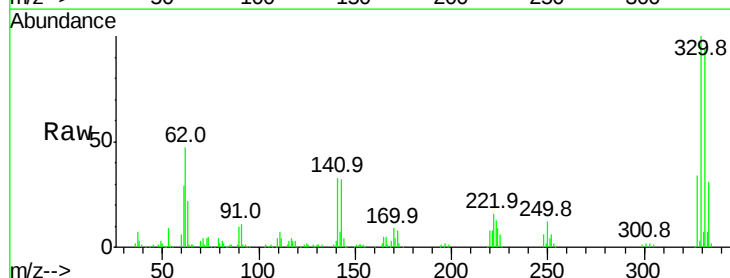


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

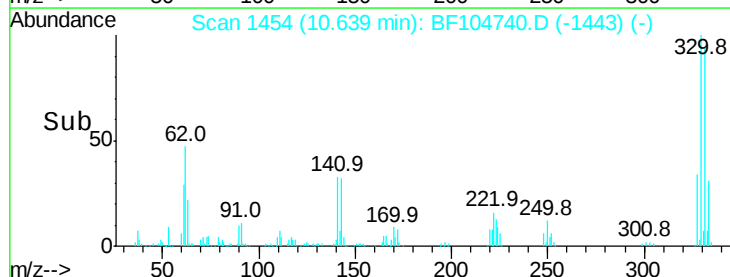
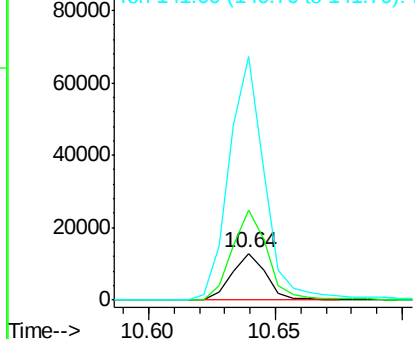


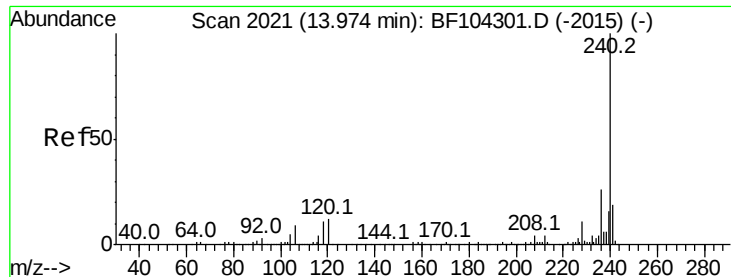
#66
 4-Bromophenyl-phenylether
 Concen: 3.949 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104740.D
 Acq: 24 Apr 2018 6:58

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.4	76.9	115.3#
141	518.2	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

Instrument :

BNA_F

ClientSampled :

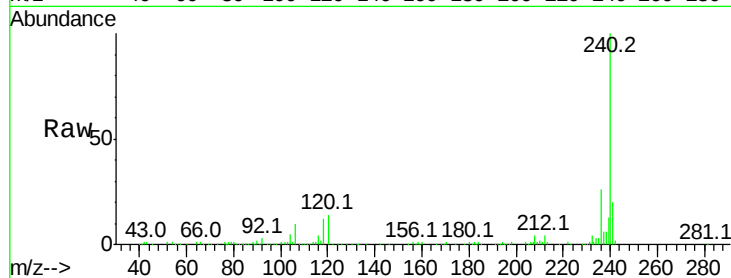
Tot Ion:240 Resp: 204224

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

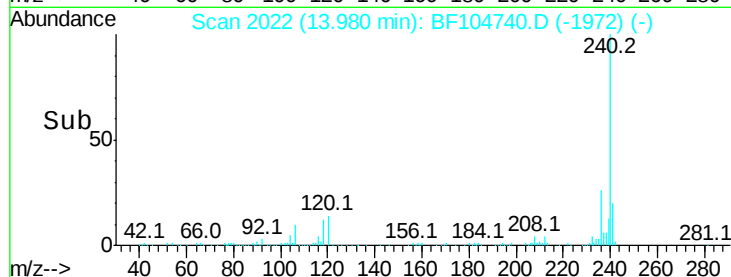
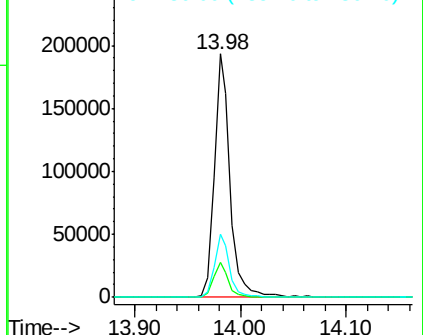
236 26.0 20.7 31.1



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: 104.166 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104740.D

Acq: 24 Apr 2018 6:58

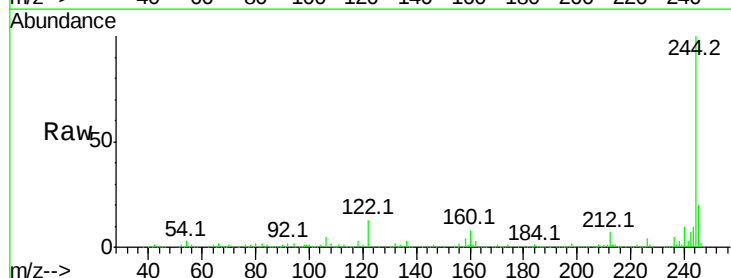
Tgt Ion:244 Resp: 933101

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

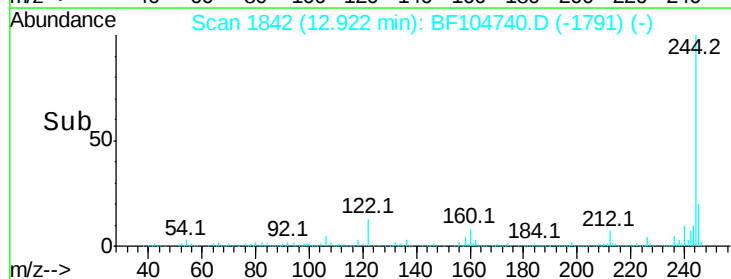
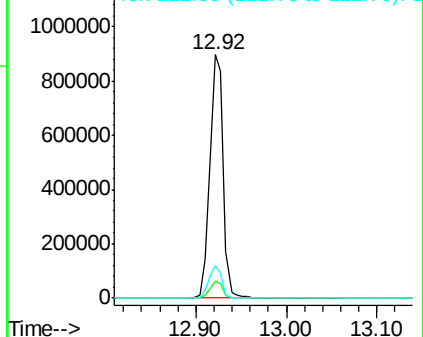
122 13.4 11.0 16.4

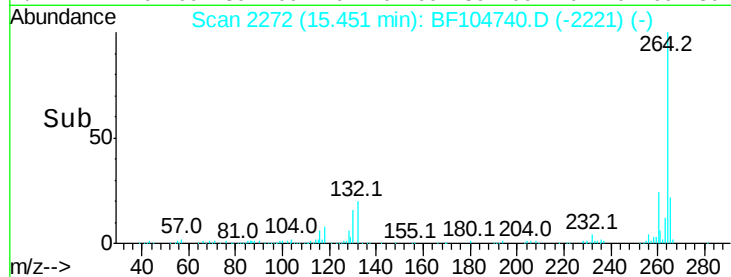
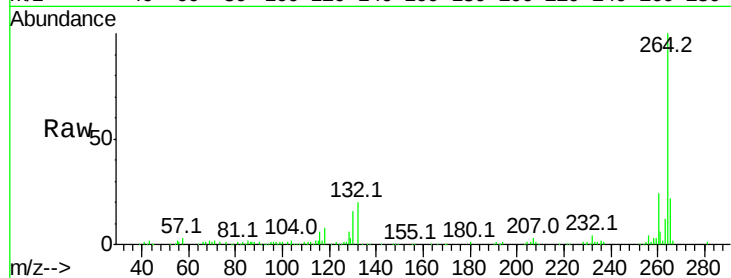
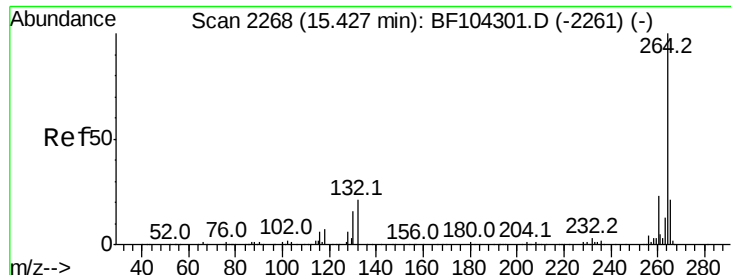


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104740.D
Acq: 24 Apr 2018 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

