

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104622.D
 Acq On : 19 Apr 2018 11:12
 Operator : JU/SJ
 Sample : J2413-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 14:45:05 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	141881	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	569223	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	257736	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	420599	20.00	ng	0.00
75) Chrysene-d12	13.97	240	295904	20.00	ng	-0.01
86) Perylene-d12	15.44	264	293775	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1133087	122.11	ng	0.02
7) Phenol-d6	6.45	99	1399397	122.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	896503	102.84	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	328788	122.98	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1256397	77.01	ng	0.00
78) Terphenyl-d14	12.92	244	1026427	79.08	ng	0.00

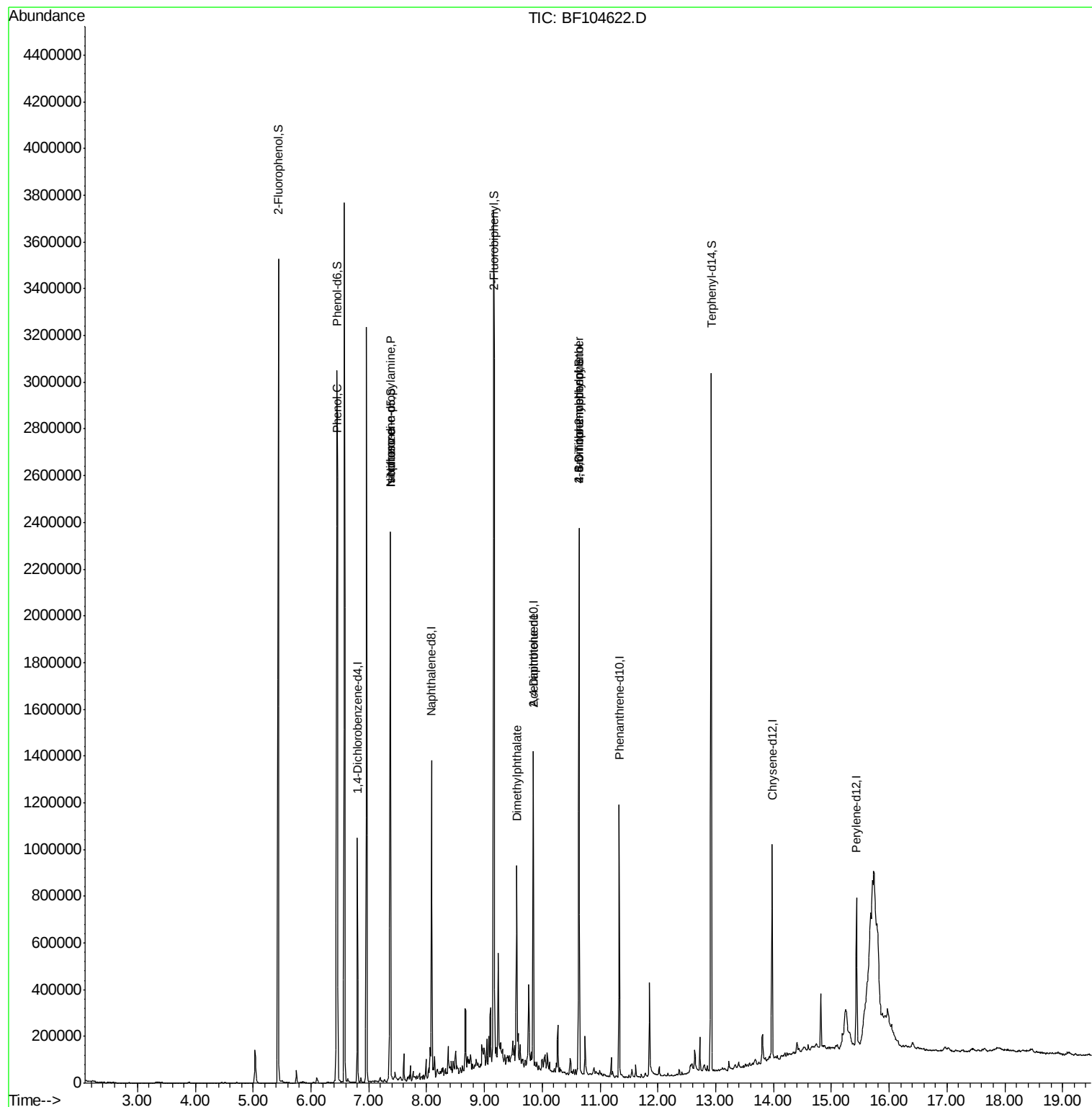
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2504	Below Cal	#	1
10) Phenol	6.46	94	57230	4.731	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	117192	15.730	ng	73
25) Isophorone	7.37	82	893368	48.463	ng	64
49) Dimethylphthalate	9.56	163	214137	10.536	ng	100
56) 2,4-Dinitrotoluene	9.85	165	34346	6.962	ng	24
64) 4,6-Dinitro-2-methylphenol	10.64	198	607	7.598	ng	1
66) 4-Bromophenyl-phenylether	10.64	248	19832	4.433	ng	1
76) Benzidine	12.92	184	13442	Below Cal	#	95

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104622.D
Acq On : 19 Apr 2018 11:12
Operator : JU/SJ
Sample : J2413-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 19 14:45:05 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



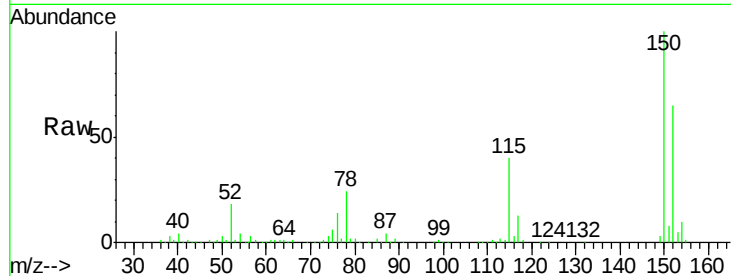


#1

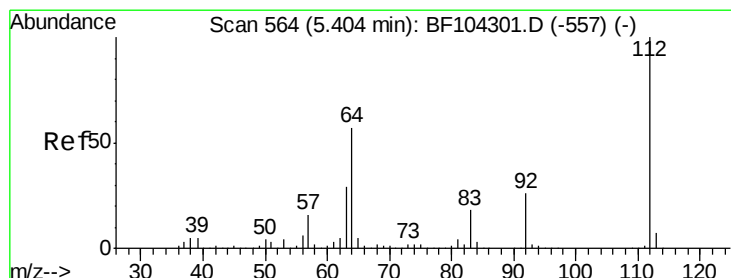
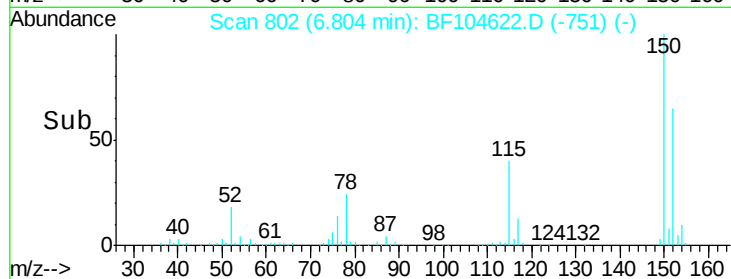
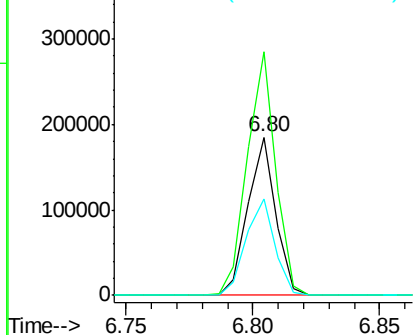
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141881
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 61.3 50.1 75.1



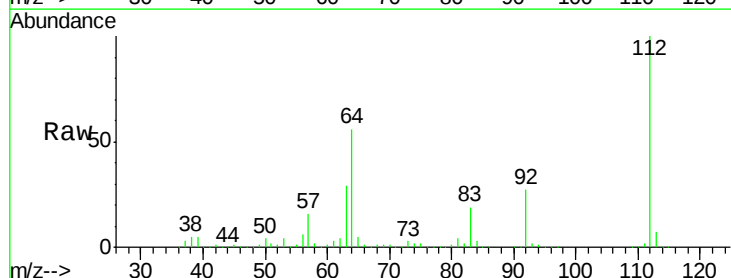
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



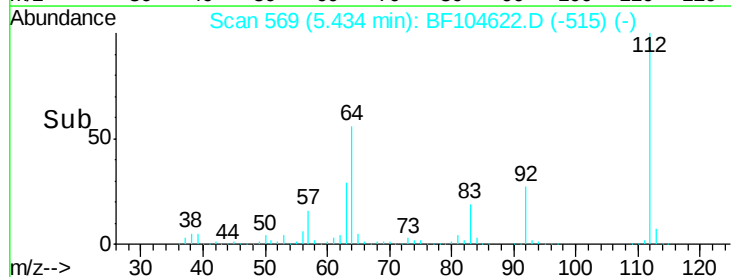
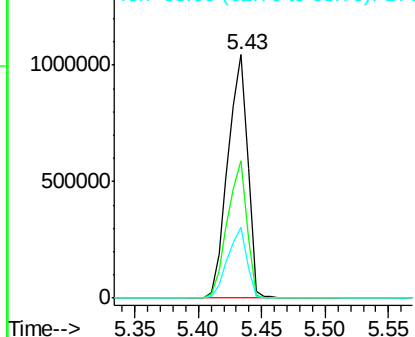
#5

2-Fluorophenol
Concen: 122.113 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Tgt Ion:112 Resp: 1133087
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 29.2 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: 122.745 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104622.D

Acq: 19 Apr 2018 11:12

Instrument :

BNA_F

ClientSampled :

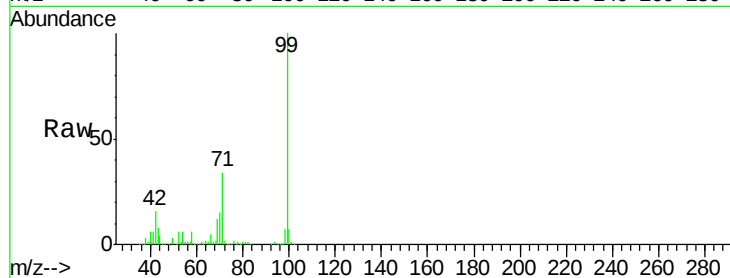
Tot Ion: 99 Resp: 1399397

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

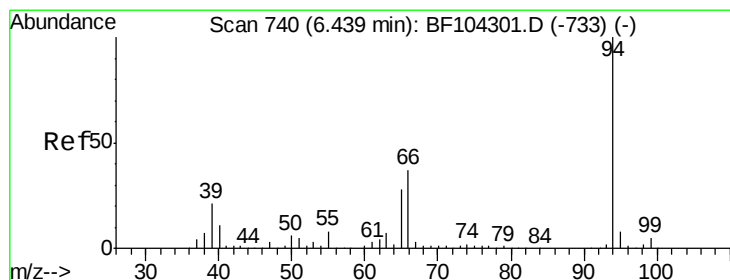
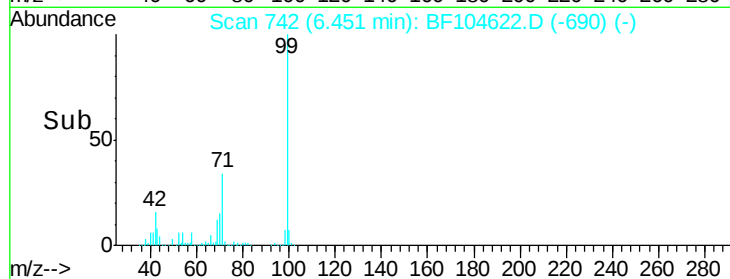
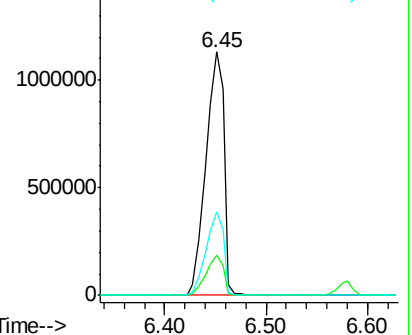
71 34.1 25.4 38.0



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: 4.731 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF104622.D

Acq: 19 Apr 2018 11:12

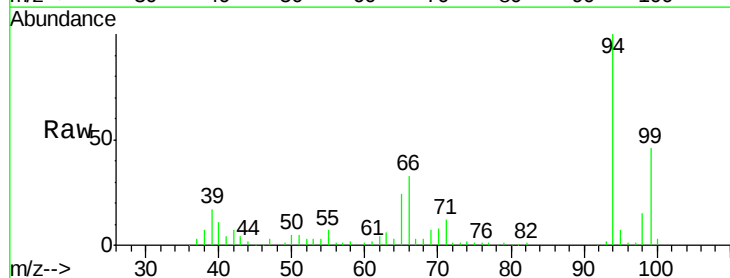
Tgt Ion: 94 Resp: 57230

Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

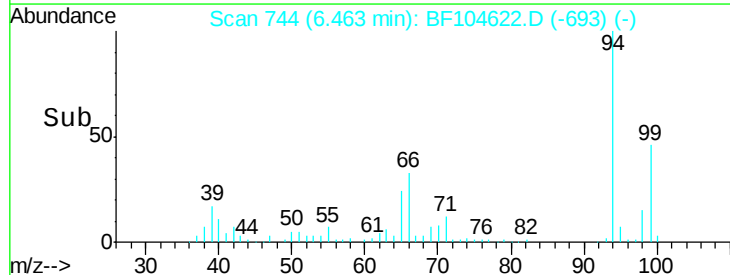
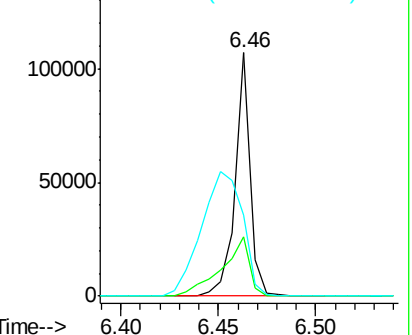
66 33.1 16.2 56.2



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: 15.730 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104622.D

Acq: 19 Apr 2018 11:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 117192

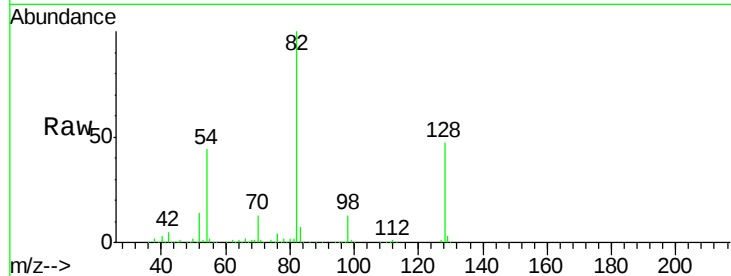
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

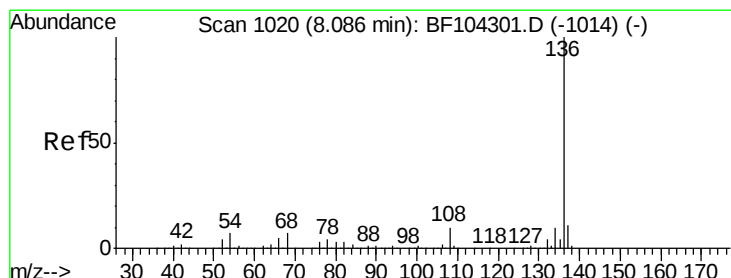
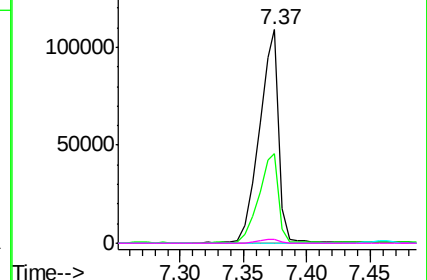
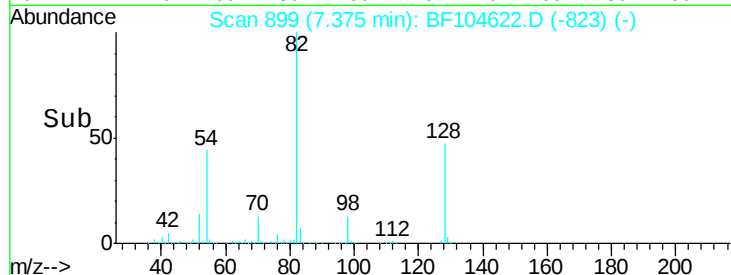


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104622.D

Acq: 19 Apr 2018 11:12

Tgt Ion: 136 Resp: 569223

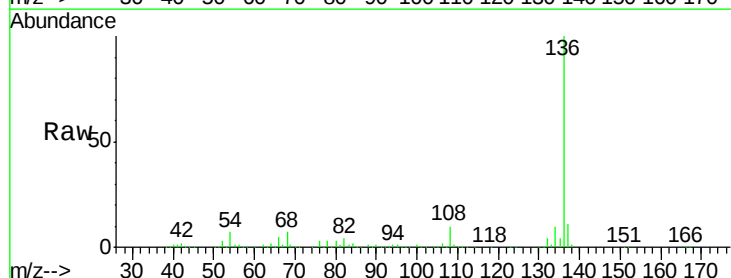
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 6.6 9.8

68 6.7 5.0 7.4

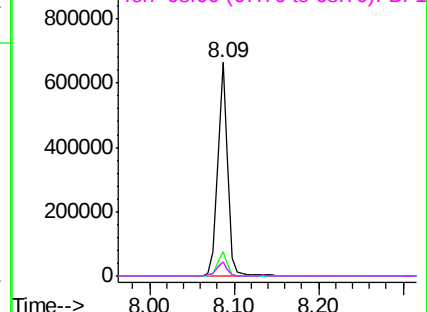
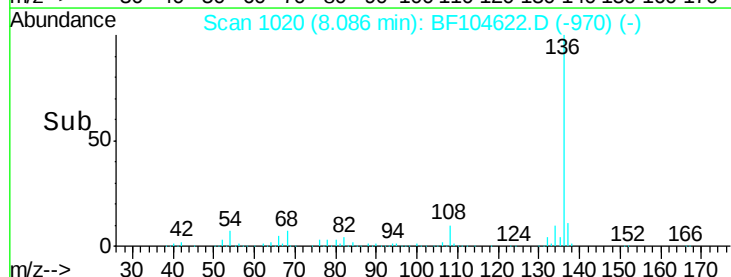


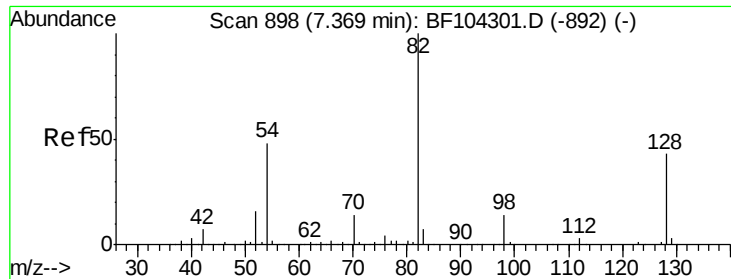
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

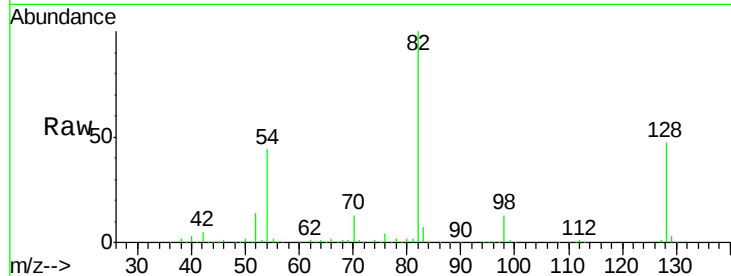




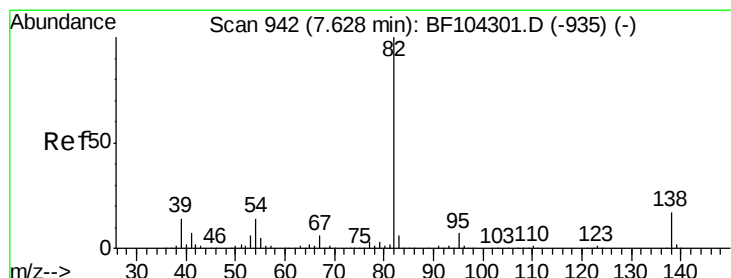
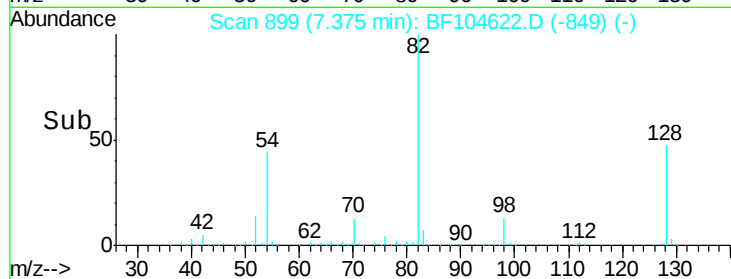
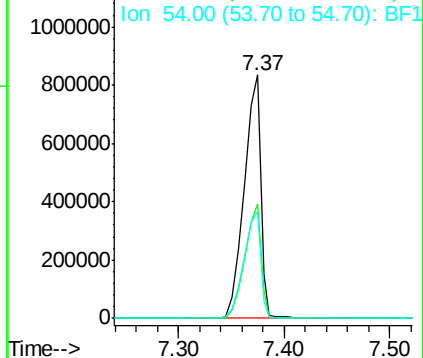
#23
Nitrobenzene-d5
Concen: 102.842 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	896503
Ion Ratio	100	Lower	Upper
128	47.2	36.1	54.1
54	44.0	41.4	62.2

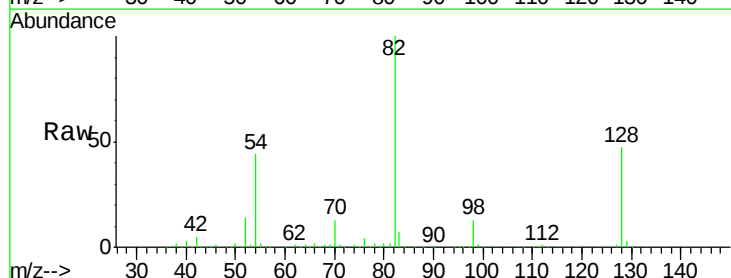


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

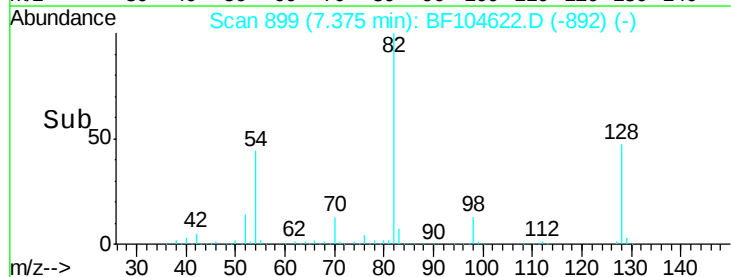
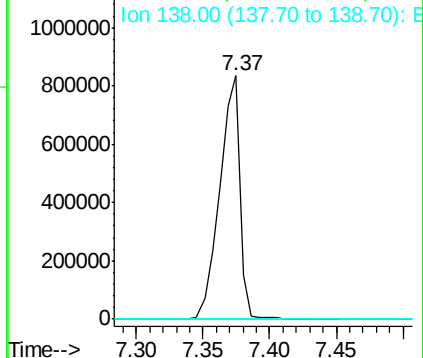


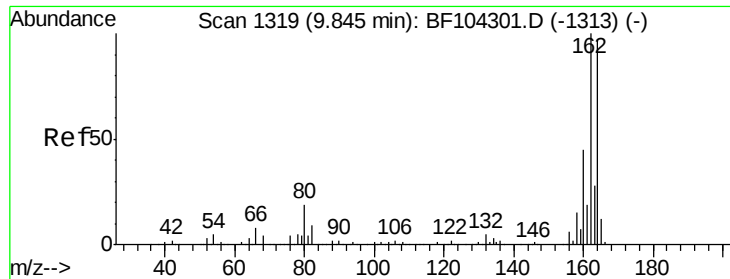
#25
Isophorone
Concen: 48.463 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Tgt Ion	82	Resp	893368
Ion Ratio	100	Lower	Upper
95	0.1	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

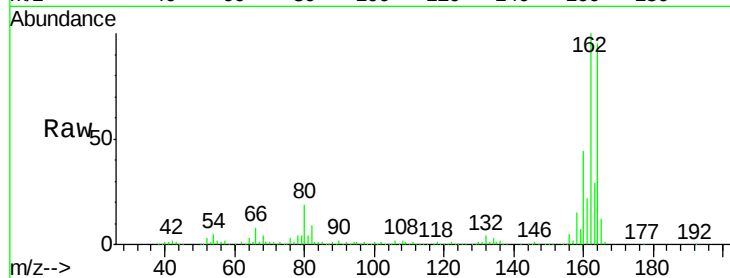




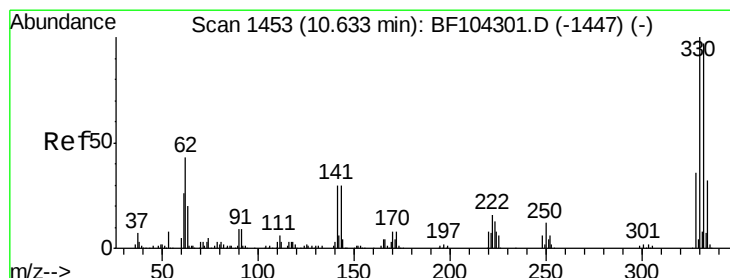
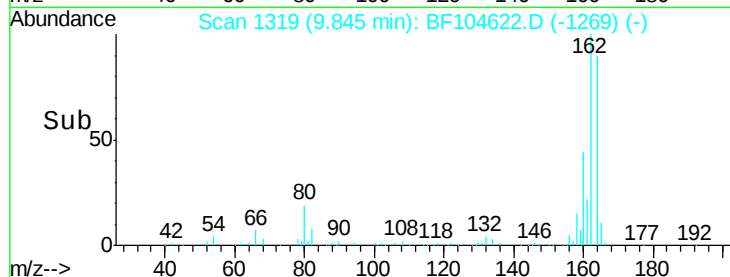
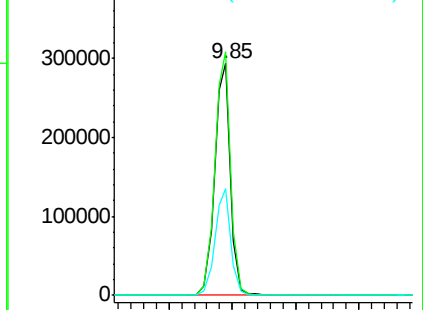
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104622.D
 Acq: 19 Apr 2018 11:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	46.0	38.3	57.5

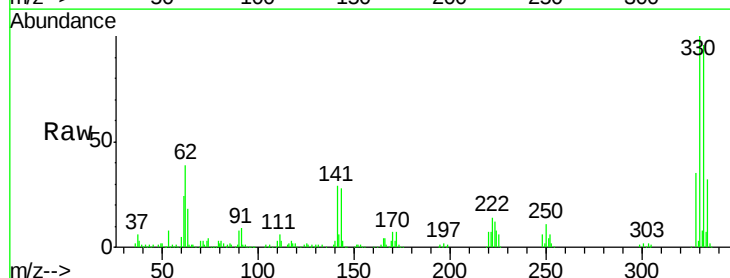


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

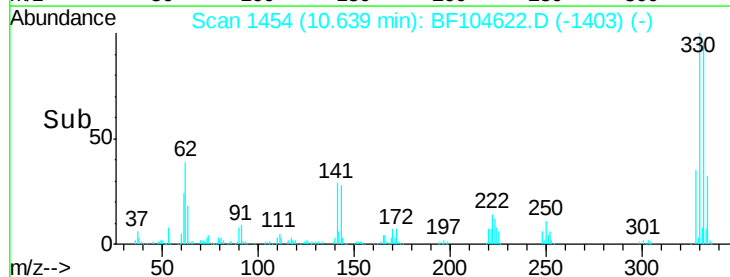
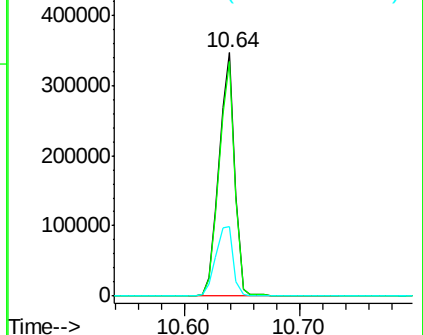


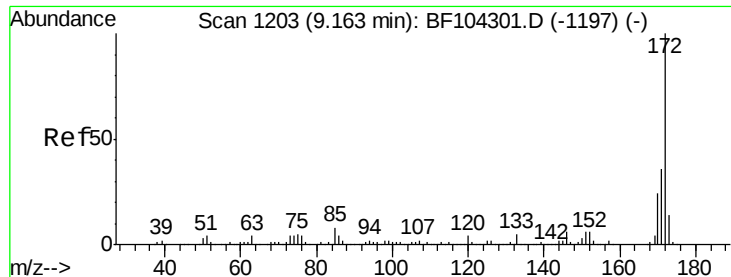
#41
 2,4,6-Tribromophenol
 Concen: 122.977 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104622.D
 Acq: 19 Apr 2018 11:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.1	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

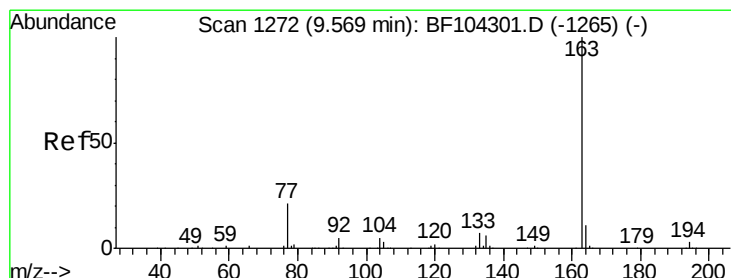
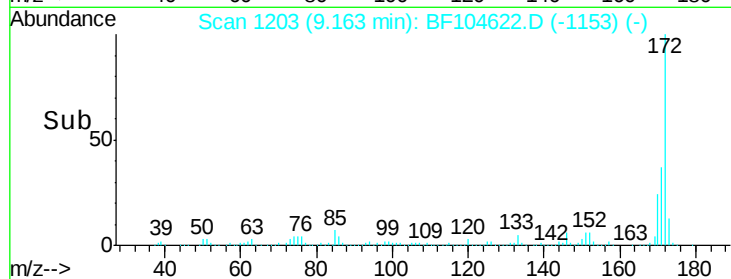
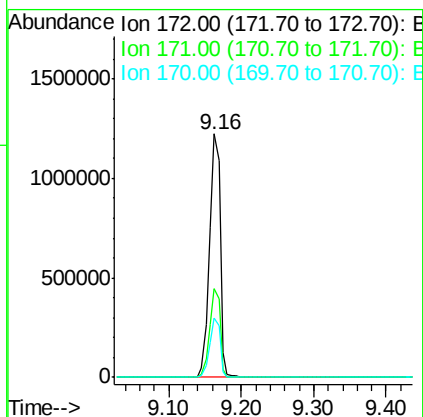
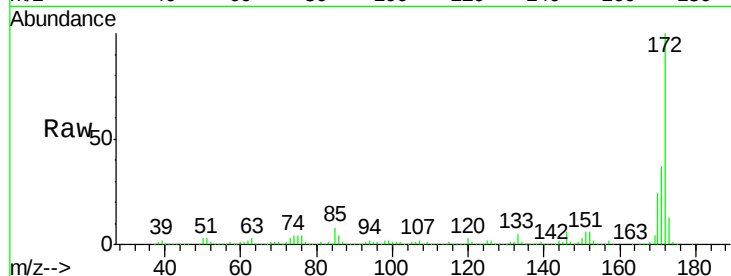




#44
2-Fluorobiphenyl
Concen: 77.009 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

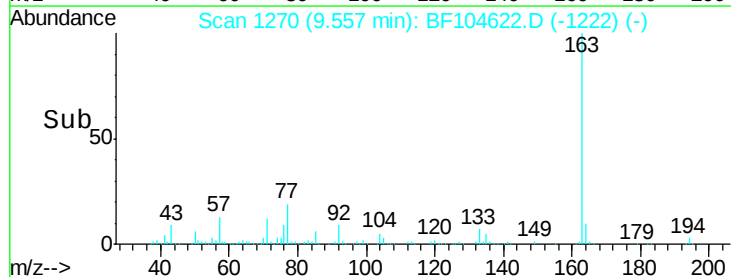
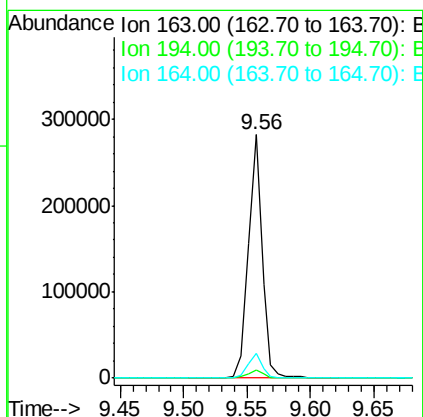
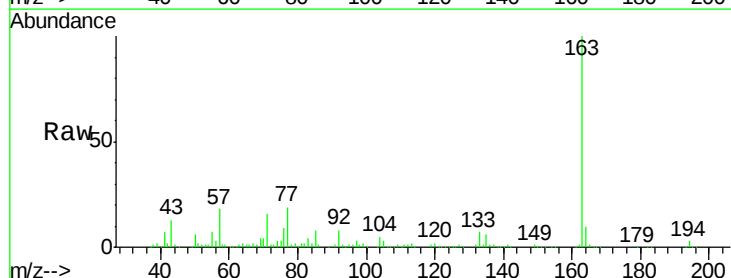
Instrument :
BNA_F
ClientSampleId :

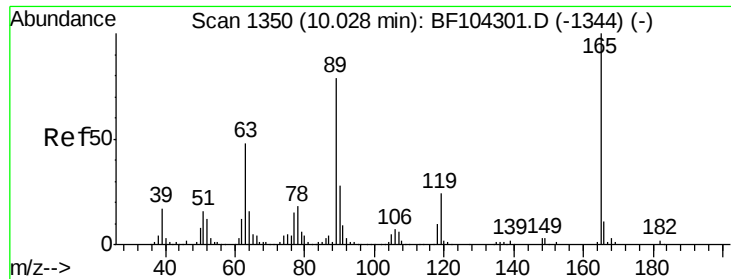
Tot Ion:172 Resp: 1256397
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 10.536 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Tgt Ion:163 Resp: 214137
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2

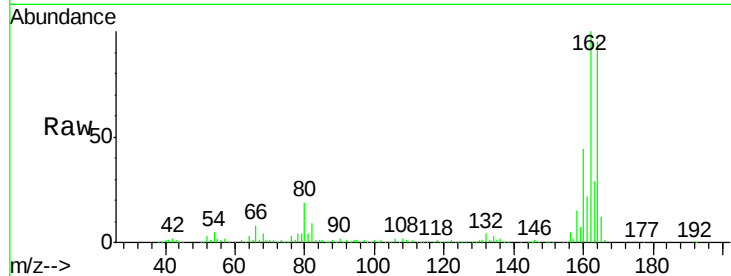




#56
 2,4-Dinitrotoluene
 Concen: 6.962 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104622.D
 Acq: 19 Apr 2018 11:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	34346
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

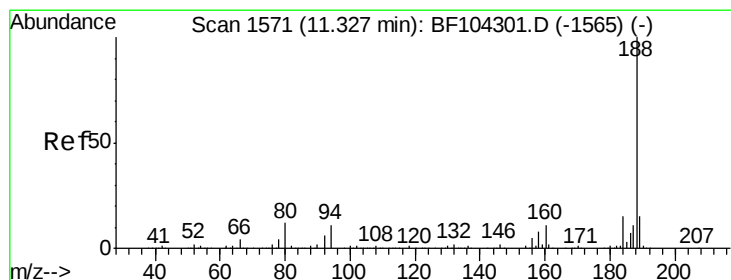
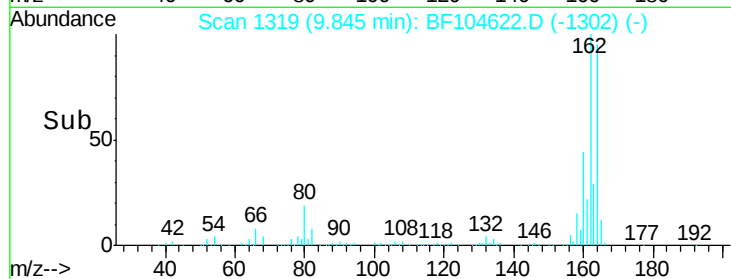
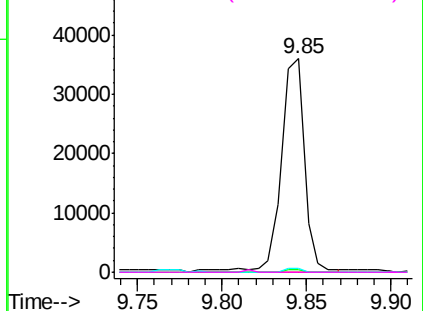


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

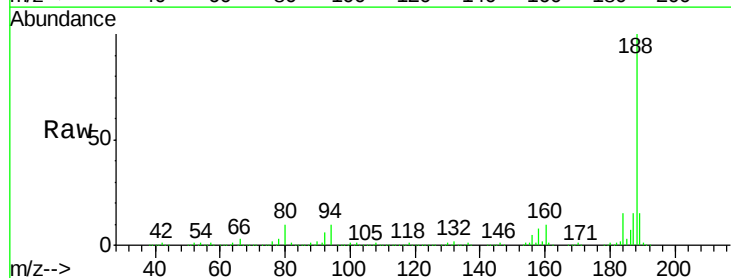
Ion 89.00 (88.70 to 89.70): BF1

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: BF104622.D
 Acq: 19 Apr 2018 11:12

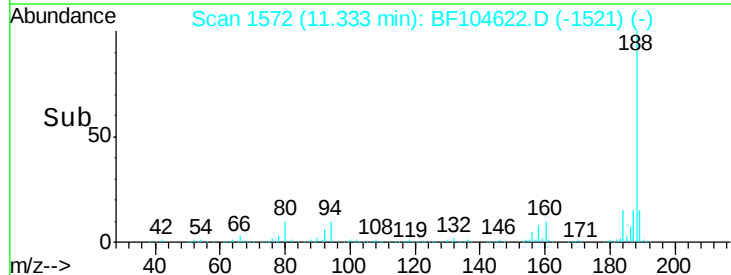
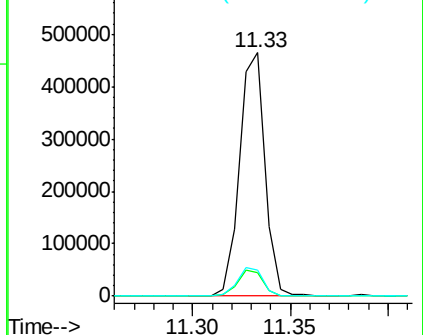
Tgt Ion:	188	Resp:	420599
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8

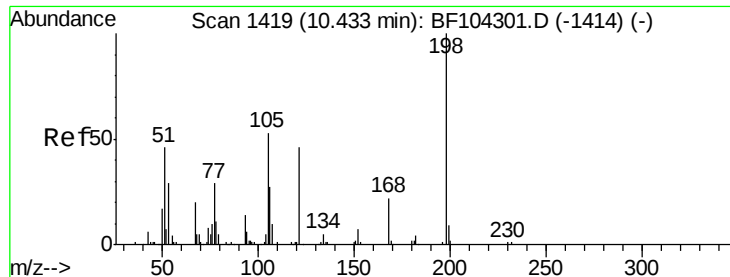


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

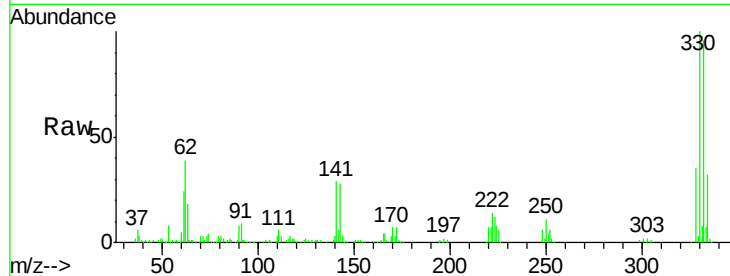




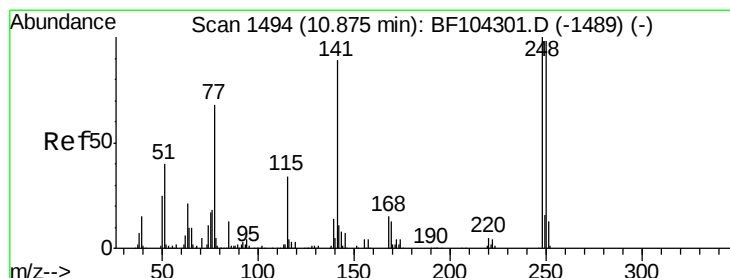
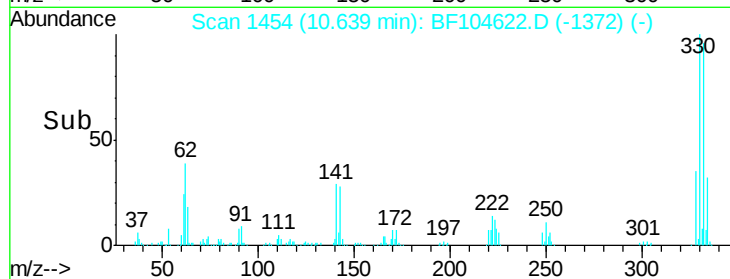
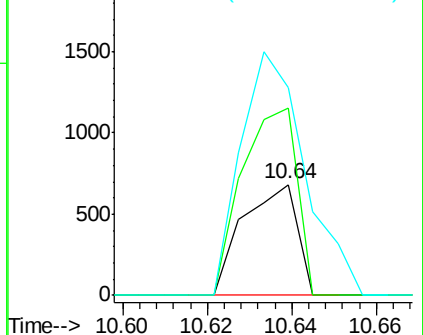
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.598 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104622.D
 Acq: 19 Apr 2018 11:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 607
 Ion Ratio Lower Upper
 198 100
 51 169.9 37.7 77.7#
 105 188.0 36.3 76.3#

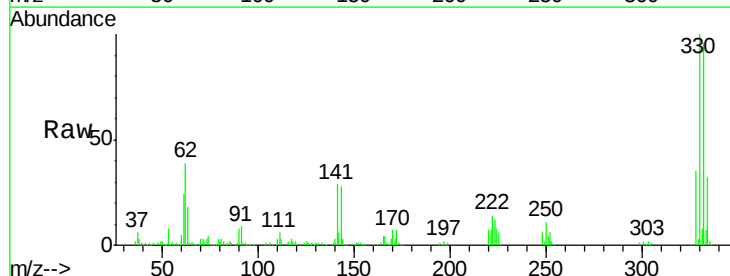


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

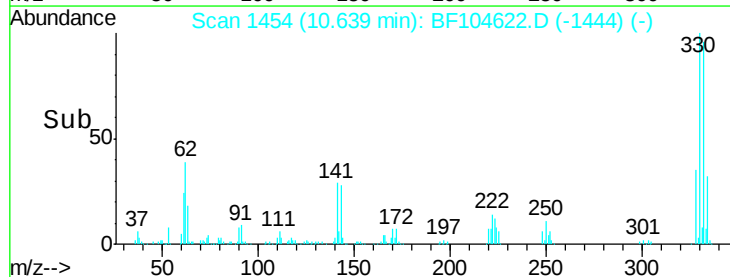
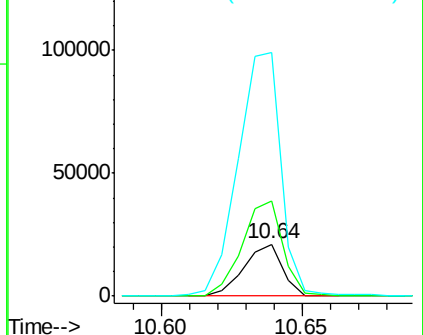


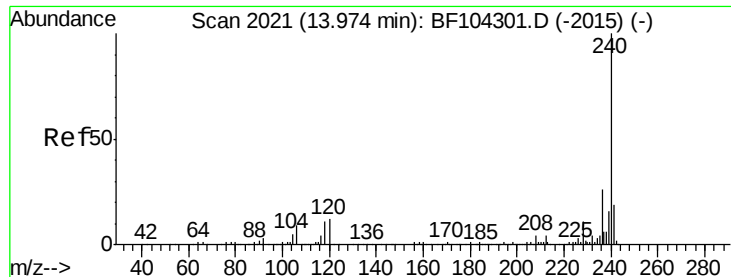
#66
 4-Bromophenyl-phenylether
 Concen: 4.433 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104622.D
 Acq: 19 Apr 2018 11:12

Tgt Ion:248 Resp: 19832
 Ion Ratio Lower Upper
 248 100
 250 181.9 76.9 115.3#
 141 467.4 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: BF104622.D

Acq: 19 Apr 2018 11:12

Instrument :

BNA_F

ClientSampled :

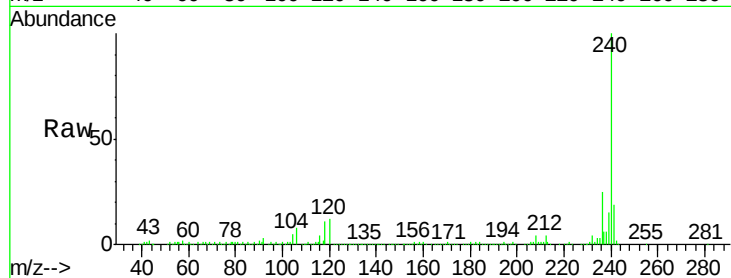
Tot Ion:240 Resp: 295904

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

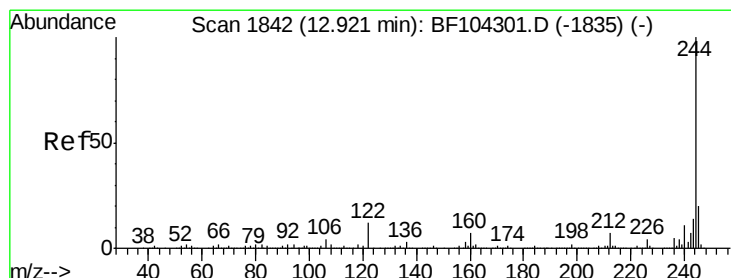
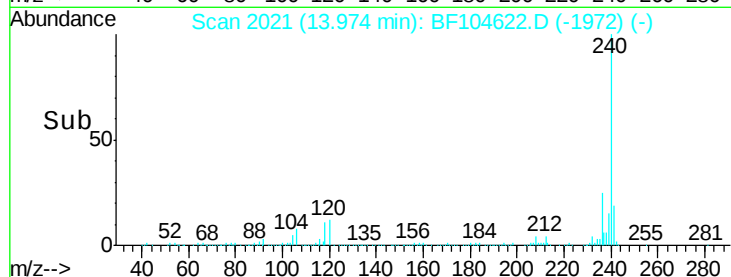
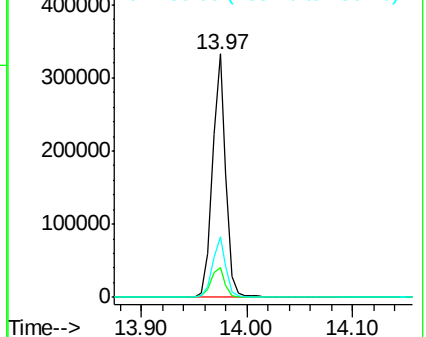
236 25.0 20.7 31.1



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: 79.082 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104622.D

Acq: 19 Apr 2018 11:12

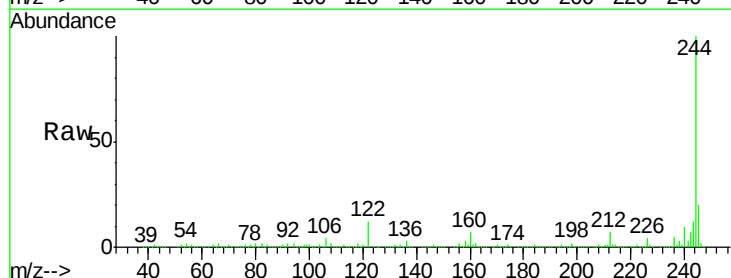
Tgt Ion:244 Resp: 1026427

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

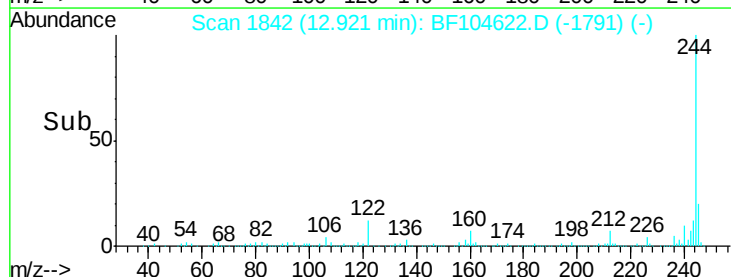
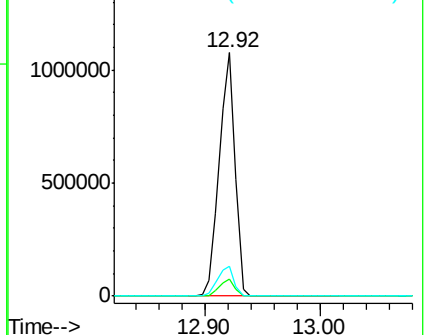
122 12.3 11.0 16.4

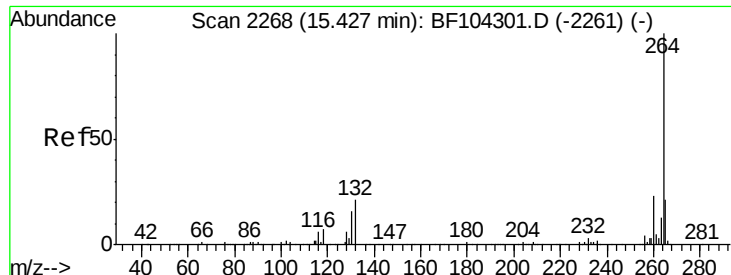


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

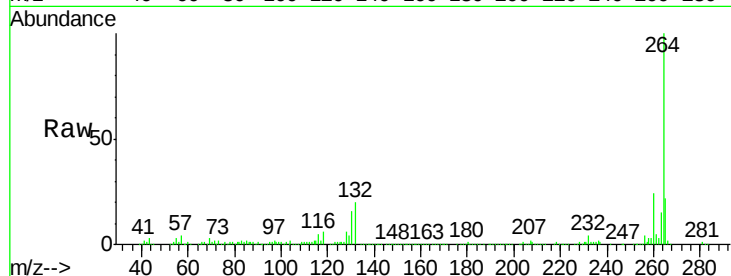




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104622.D
Acq: 19 Apr 2018 11:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	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

