

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104324.D
 Acq On : 6 Apr 2018 23:42
 Operator : JU/SJ
 Sample : J2165-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 00:24:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138930	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	551100	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	241678	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	361879	20.00	ng	0.00
75) Chrysene-d12	13.97	240	277580	20.00	ng	0.00
86) Perylene-d12	15.43	264	230382	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	749596	82.50	ng	0.00
7) Phenol-d6	6.43	99	954183	85.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	562033	66.59	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	187159	74.65	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	987457	64.55	ng	0.00
78) Terphenyl-d14	12.92	244	702191	57.67	ng	0.00

Target Compounds

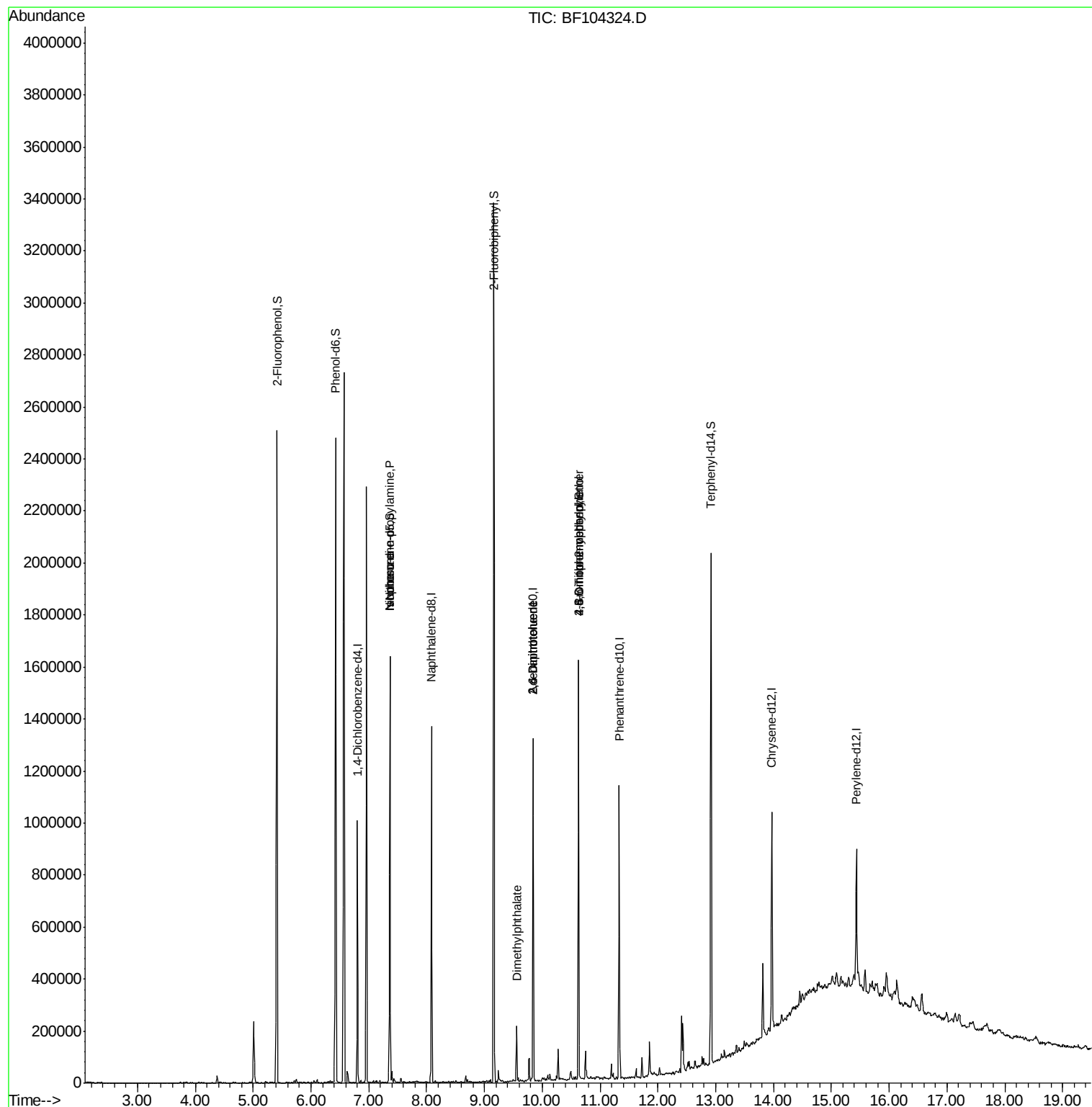
					Qvalue	
9) Benzaldehyde	6.43	77	1406	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	72809	9.981 ng	#	73
25) Isophorone	7.37	82	561785	31.478 ng	#	64
49) Dimethylphthalate	9.56	163	72954	3.828 ng		100
50) 2,6-Dinitrotoluene	9.84	165	29891	8.476 ng	#	26
56) 2,4-Dinitrotoluene	9.84	165	29891	6.462 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	336	7.509 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	11406	2.963 ng	#	1
76) Benzidine	12.92	184	9317	Below Cal	#	94

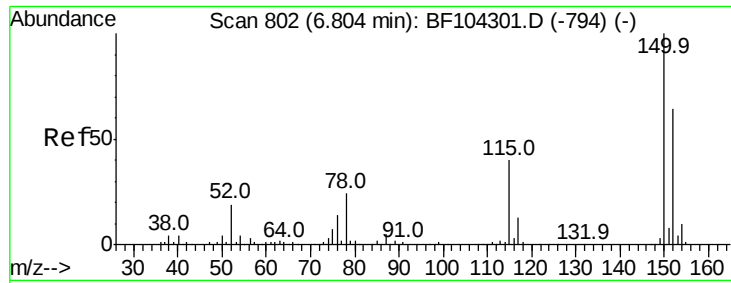
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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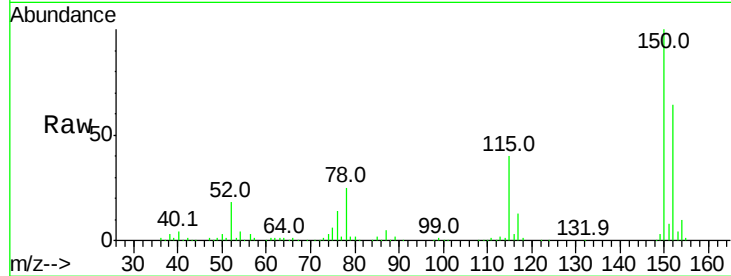


#1

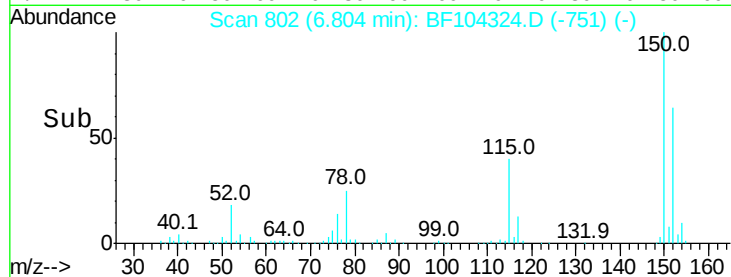
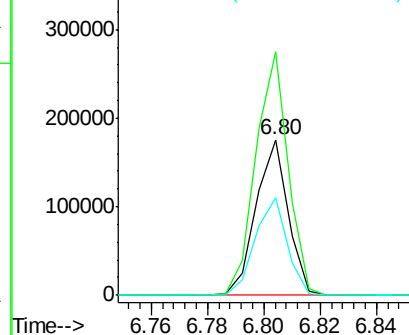
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104324.D
Acq: 6 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138930
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 63.0 50.1 75.1



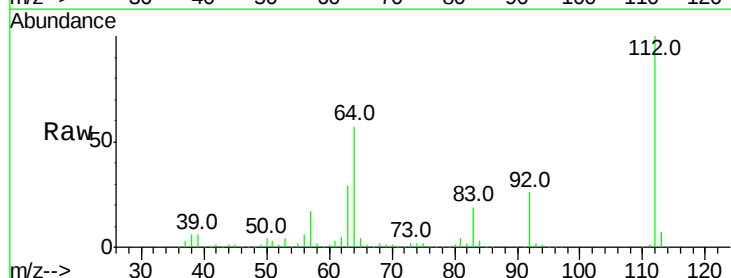
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



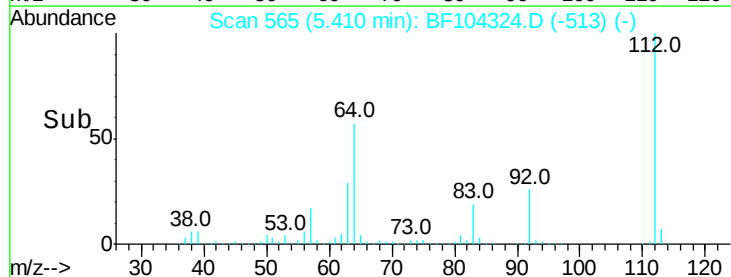
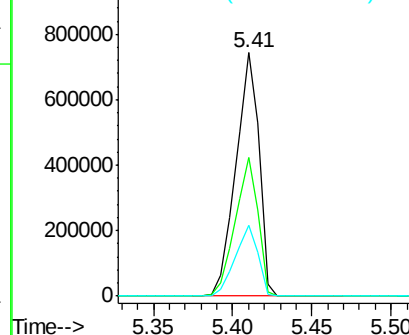
#5

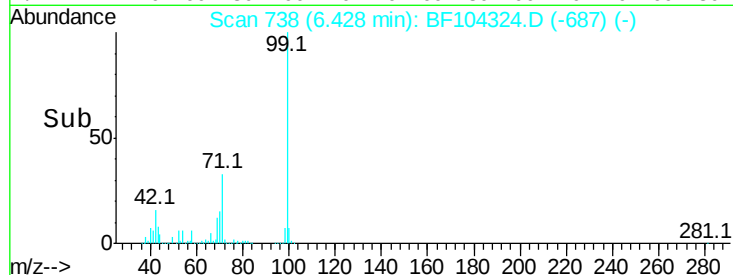
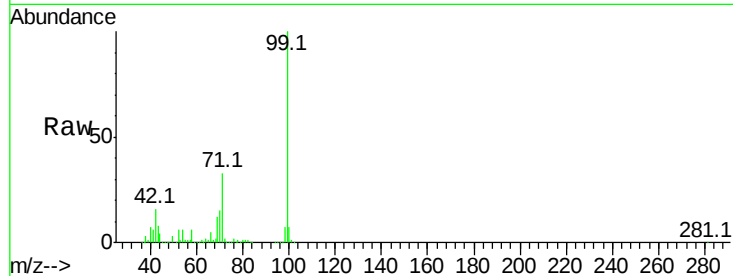
2-Fluorophenol
Concen: 82.500 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104324.D
Acq: 6 Apr 2018 23:42

Tgt Ion:112 Resp: 749596
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 29.1 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: 85.472 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

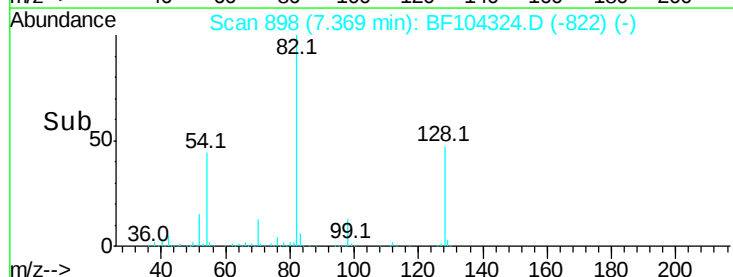
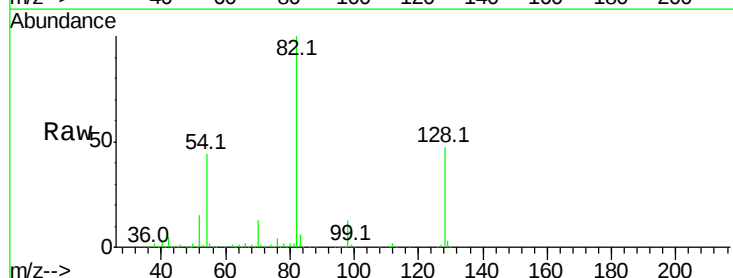
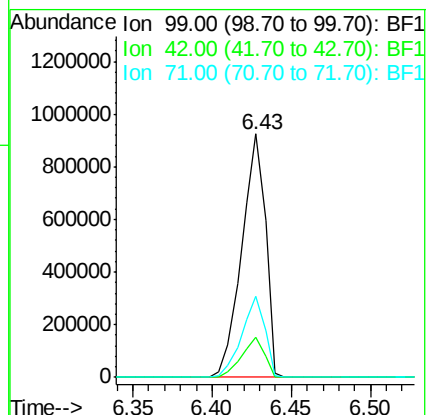
Tot Ion: 99 Resp: 954183

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.981 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Tgt Ion: 70 Resp: 72809

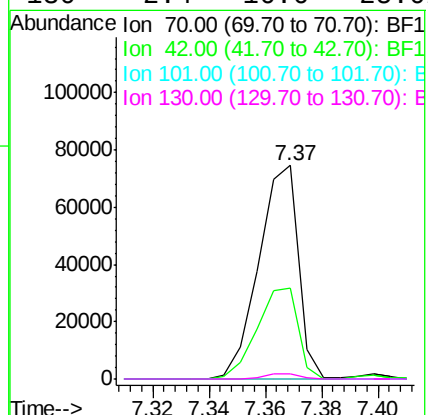
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 551100

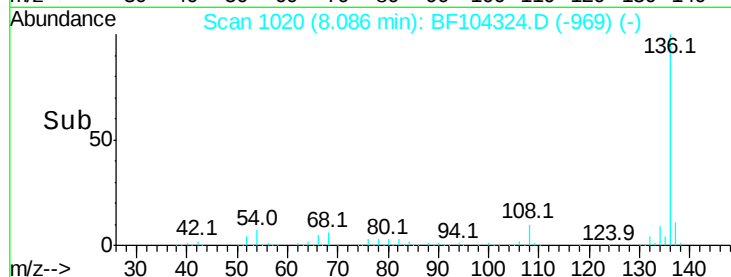
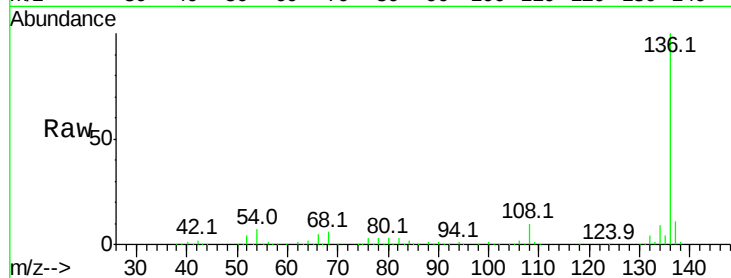
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.0 6.6 9.8

68 6.1 5.0 7.4

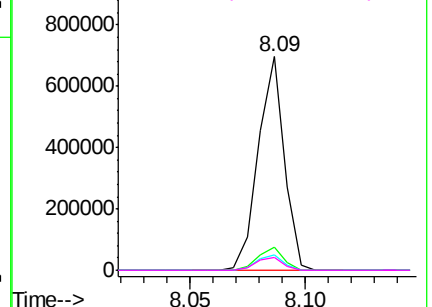


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.593 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

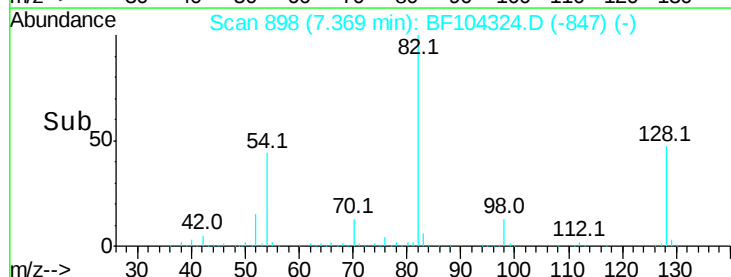
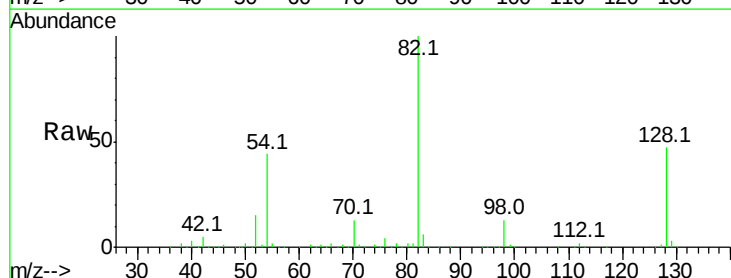
Tgt Ion: 82 Resp: 562033

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

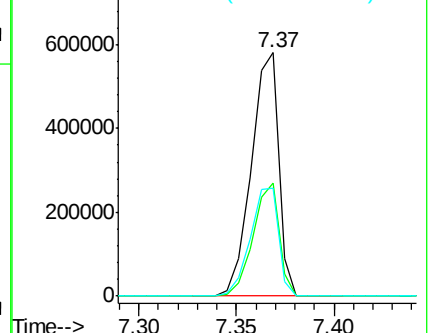
54 44.2 41.4 62.2

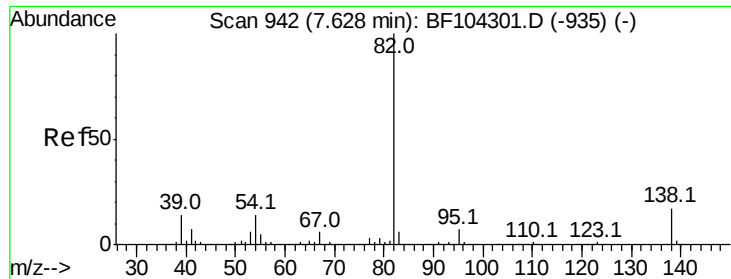


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.478 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

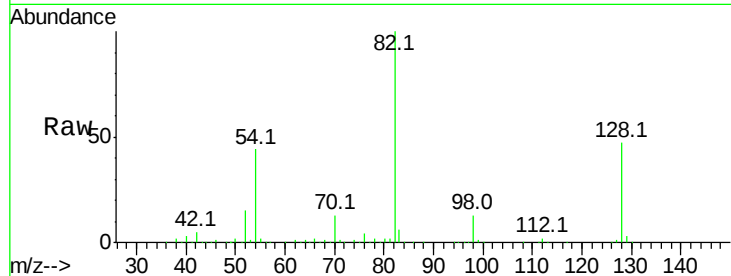
Tot Ion: 82 Resp: 561785

Ion Ratio Lower Upper

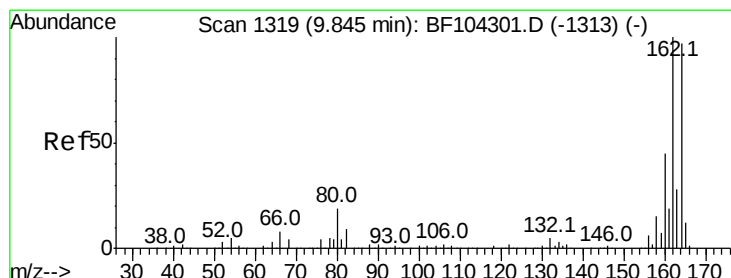
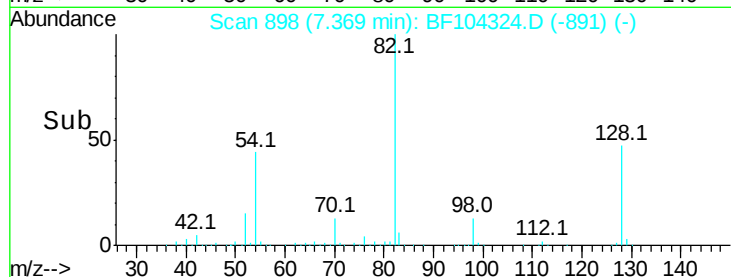
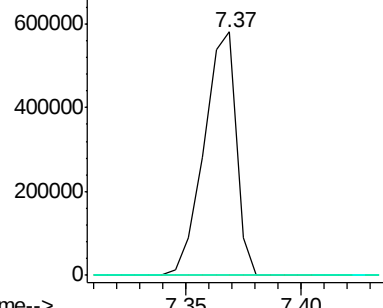
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

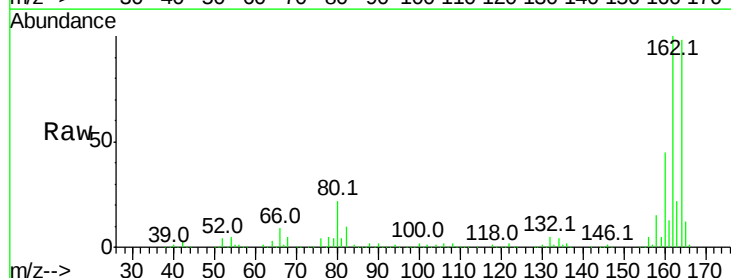
Tgt Ion: 164 Resp: 241678

Ion Ratio Lower Upper

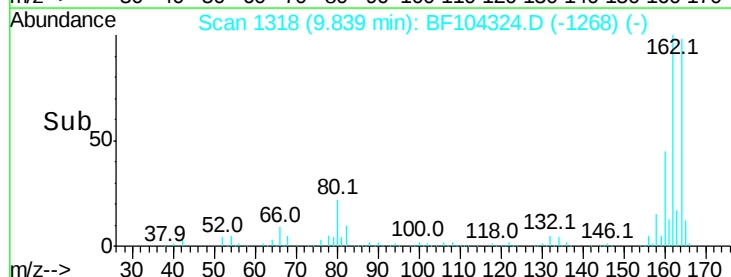
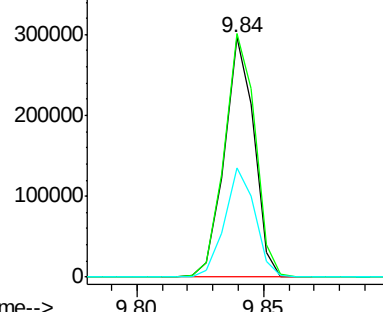
164 100

162 101.7 86.1 129.1

160 45.7 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

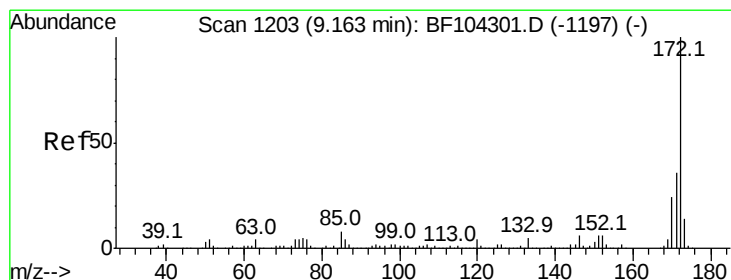
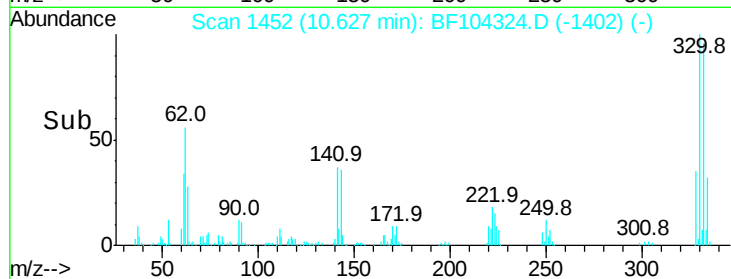
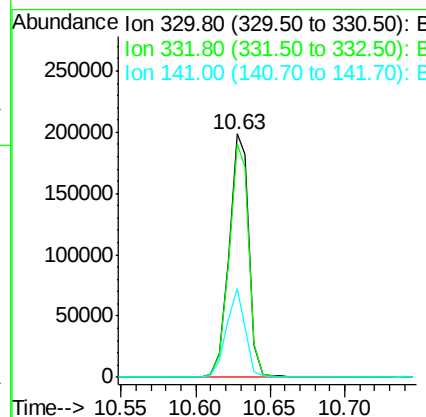
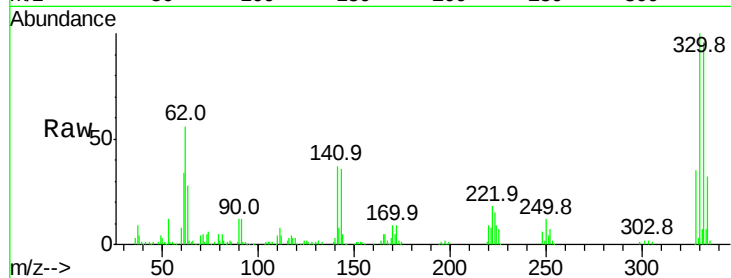




#41
 2,4,6-Tribromophenol
 Concen: 74.655 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104324.D
 Acq: 6 Apr 2018 23:42

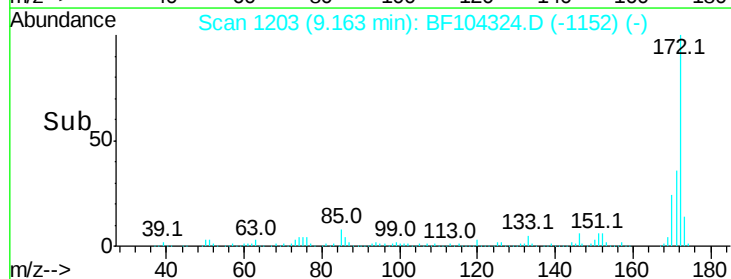
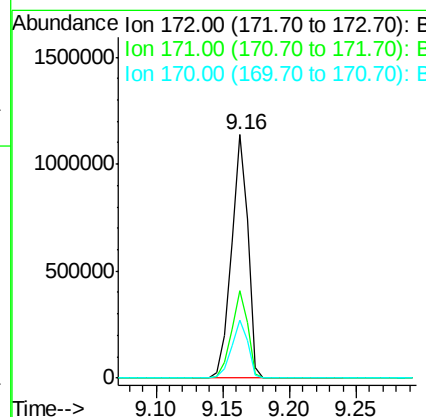
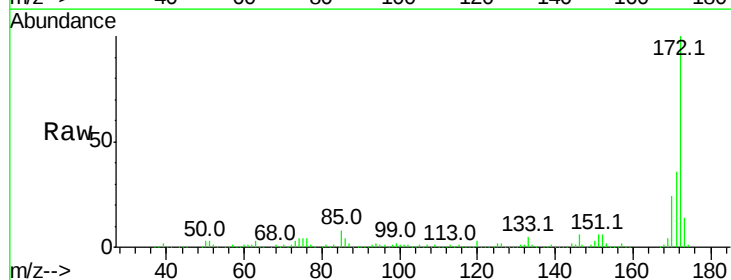
Instrument :
 BNA_F
 ClientSampleId :

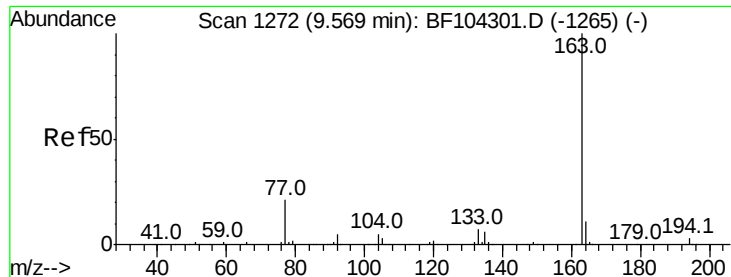
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	34.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 64.546 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104324.D
 Acq: 6 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

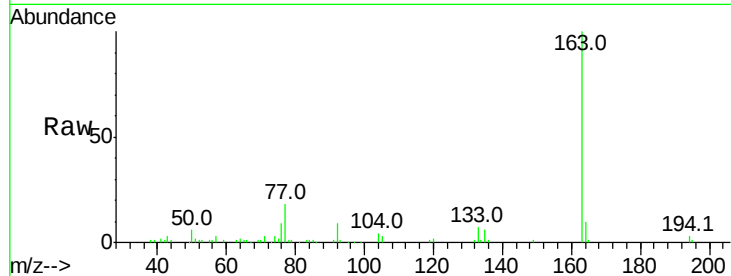




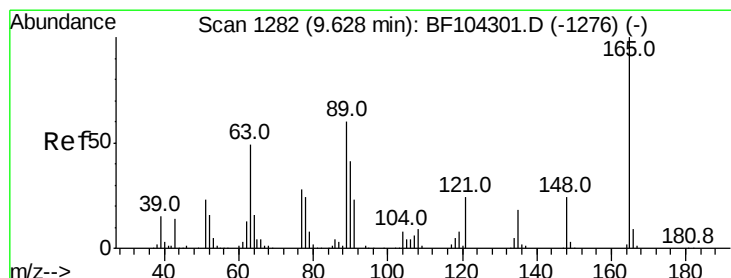
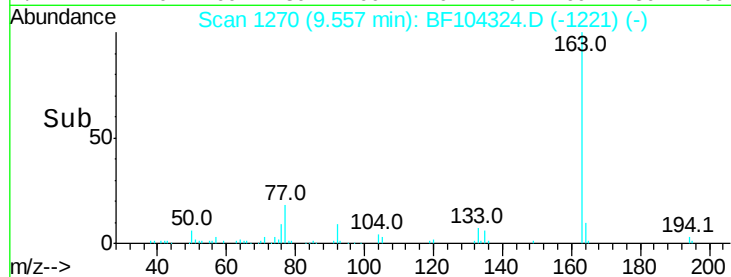
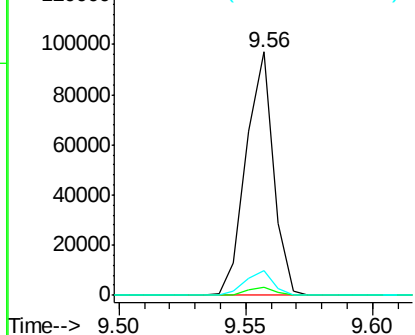
#49
Dimethylphthalate
Concen: 3.828 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104324.D
Acq: 6 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72954
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.0 8.2 12.2

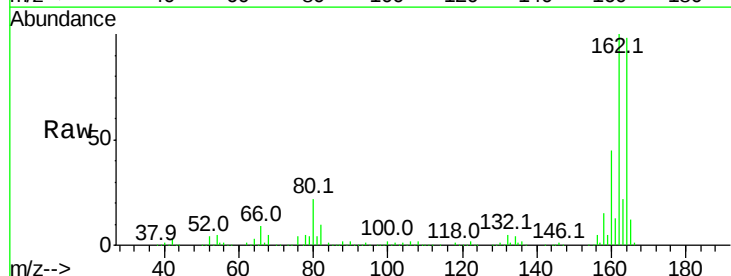


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

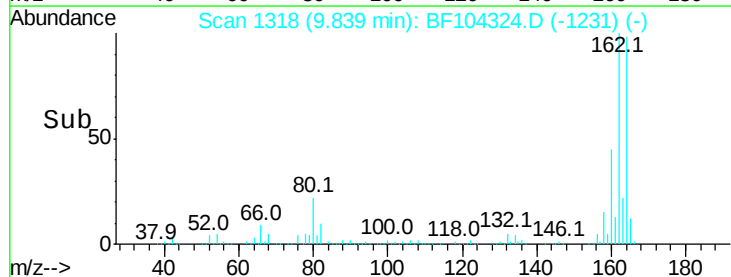
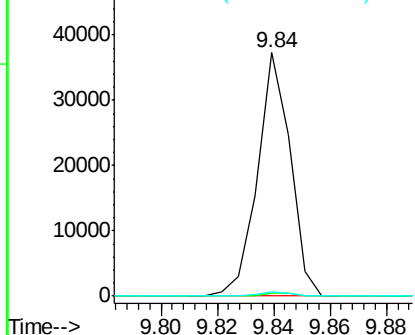


#50
2,6-Dinitrotoluene
Concen: 8.476 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104324.D
Acq: 6 Apr 2018 23:42

Tgt Ion:165 Resp: 29891
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.5 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

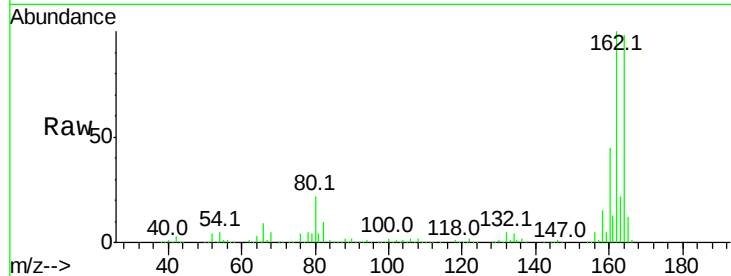




#56
 2,4-Dinitrotoluene
 Concen: 6.462 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104324.D
 Acq: 6 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	29891
Ion Ratio	Lower	Upper
165 100		
63 1.3	36.4	54.6#
89 1.5	57.8	86.6#
182 0.0	1.6	2.4#

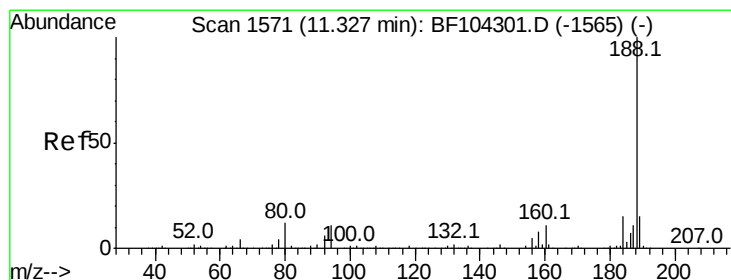
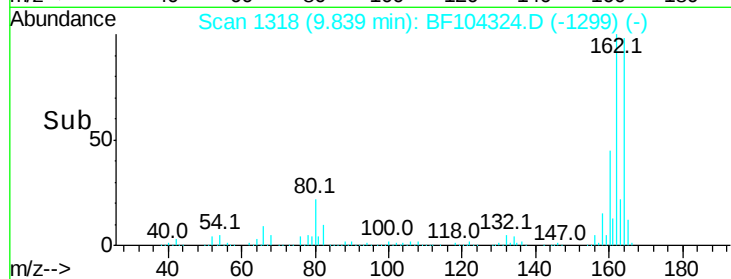
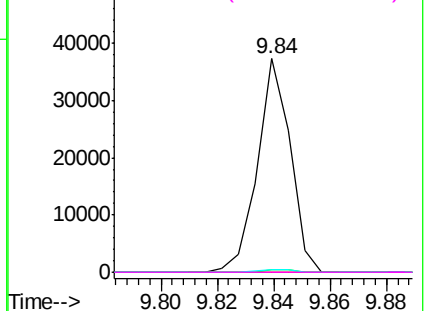


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

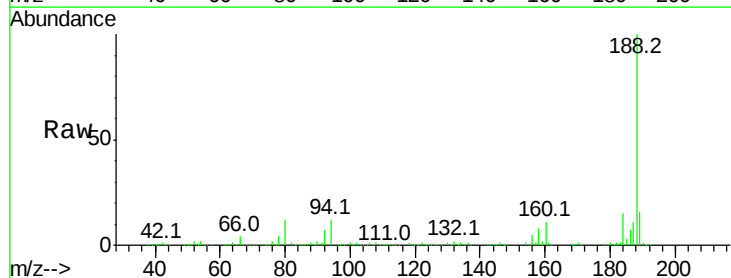
Ion 89.00 (88.70 to 89.70): BF1

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. -0.00 min
 Lab File: BF104324.D
 Acq: 6 Apr 2018 23:42

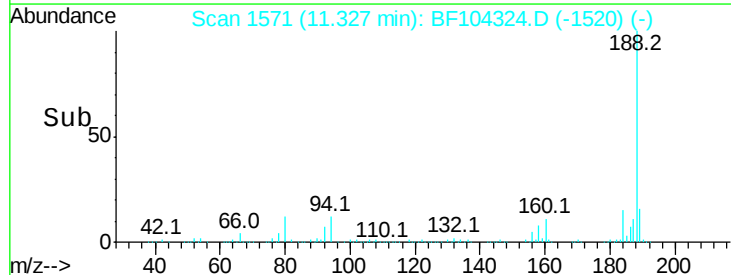
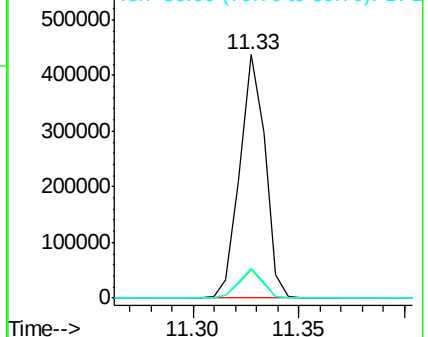
Tgt Ion:188	Resp:	361879
Ion Ratio	Lower	Upper
188 100		
94 11.7	8.5	12.7
80 12.0	9.2	13.8



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: 7.509 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

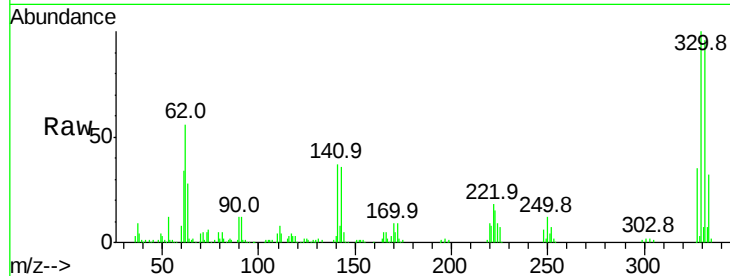
Tot Ion:198 Resp: 336

Ion Ratio Lower Upper

198 100

51 223.7 37.7 77.7#

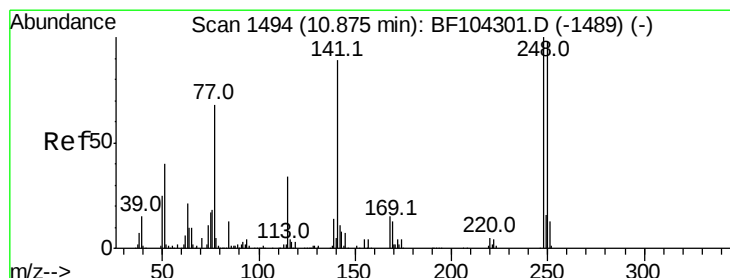
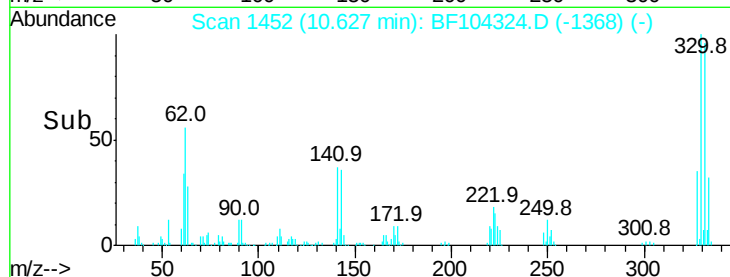
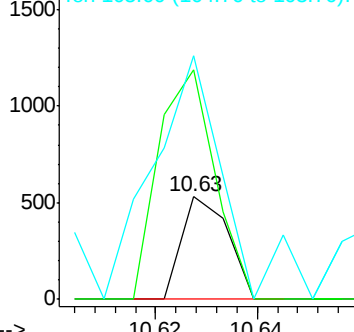
105 237.3 36.3 76.3#



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: 2.963 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

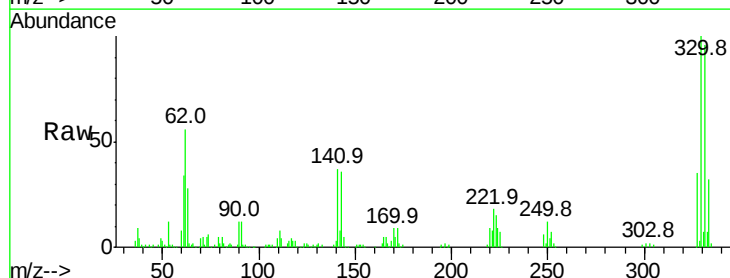
Tgt Ion:248 Resp: 11406

Ion Ratio Lower Upper

248 100

250 191.1 76.9 115.3#

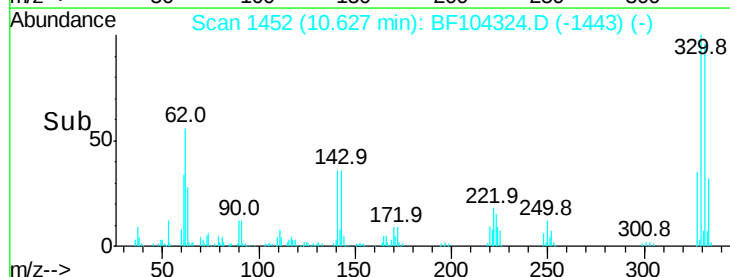
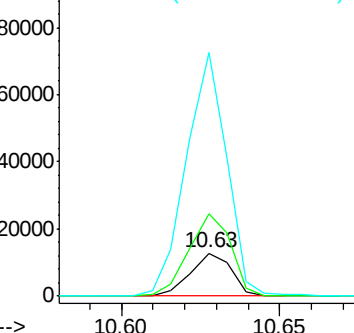
141 564.8 74.4 111.6#

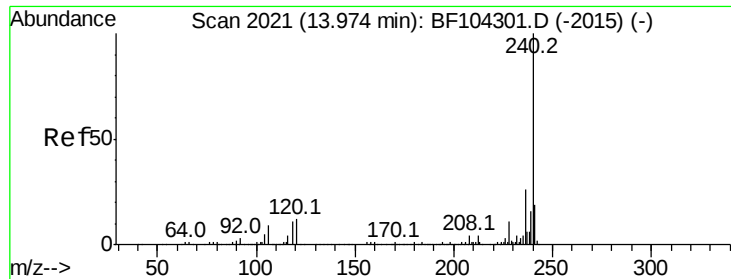


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2020

Delta R.T. -0.01 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

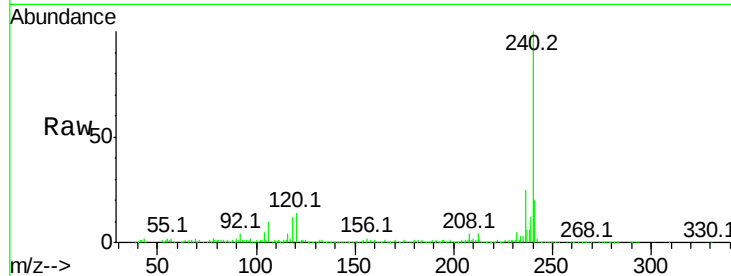
Tot Ion:240 Resp: 277580

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

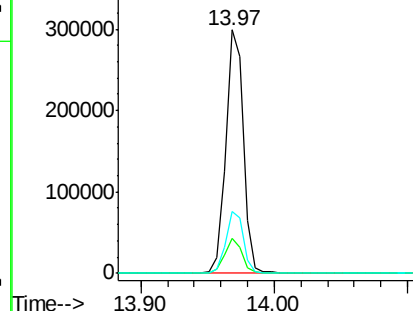
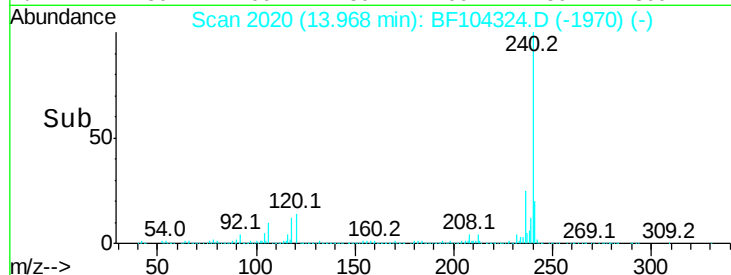
236 25.4 20.7 31.1



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: 57.673 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104324.D

Acq: 6 Apr 2018 23:42

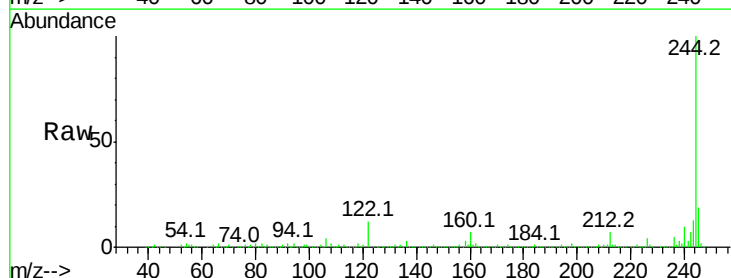
Tgt Ion:244 Resp: 702191

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

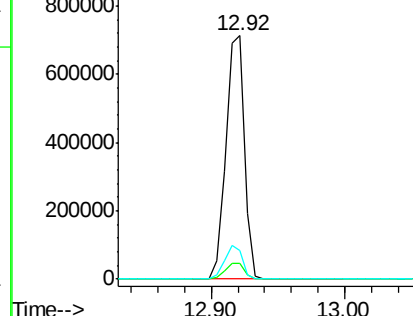
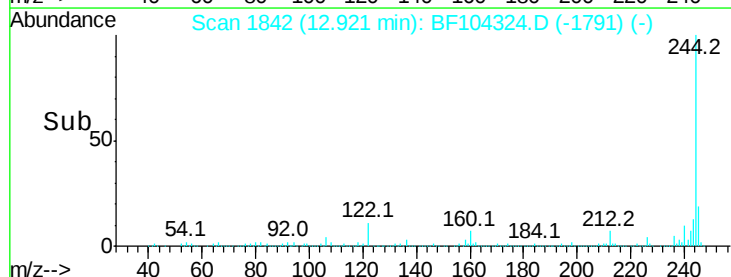
122 11.5 11.0 16.4

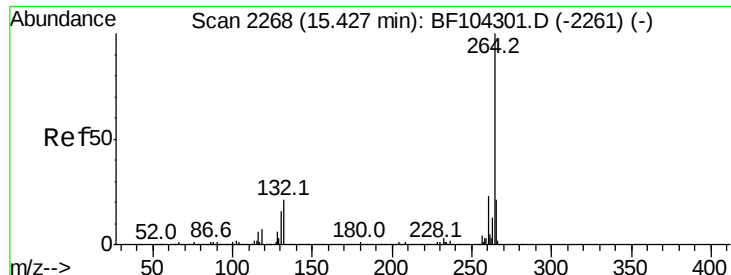


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



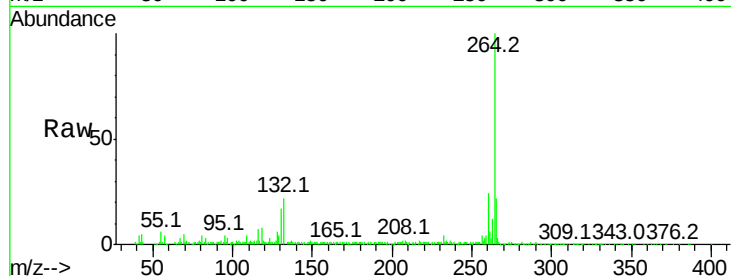


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF104324.D
Acq: 6 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 230382

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.5	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

