

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104655.D
 Acq On : 20 Apr 2018 3:21
 Operator : JU/SJ
 Sample : PB108361BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 04:51:06 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	127728	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	517137	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	216845	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	344511	20.00	ng	0.00
75) Chrysene-d12	13.97	240	268224	20.00	ng	-0.01
86) Perylene-d12	15.44	264	224600	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	903788	108.19	ng	0.01
7) Phenol-d6	6.45	99	1107733	107.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	699581	88.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	233190	103.67	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1190125	86.70	ng	0.00
78) Terphenyl-d14	12.92	244	919895	78.19	ng	0.00

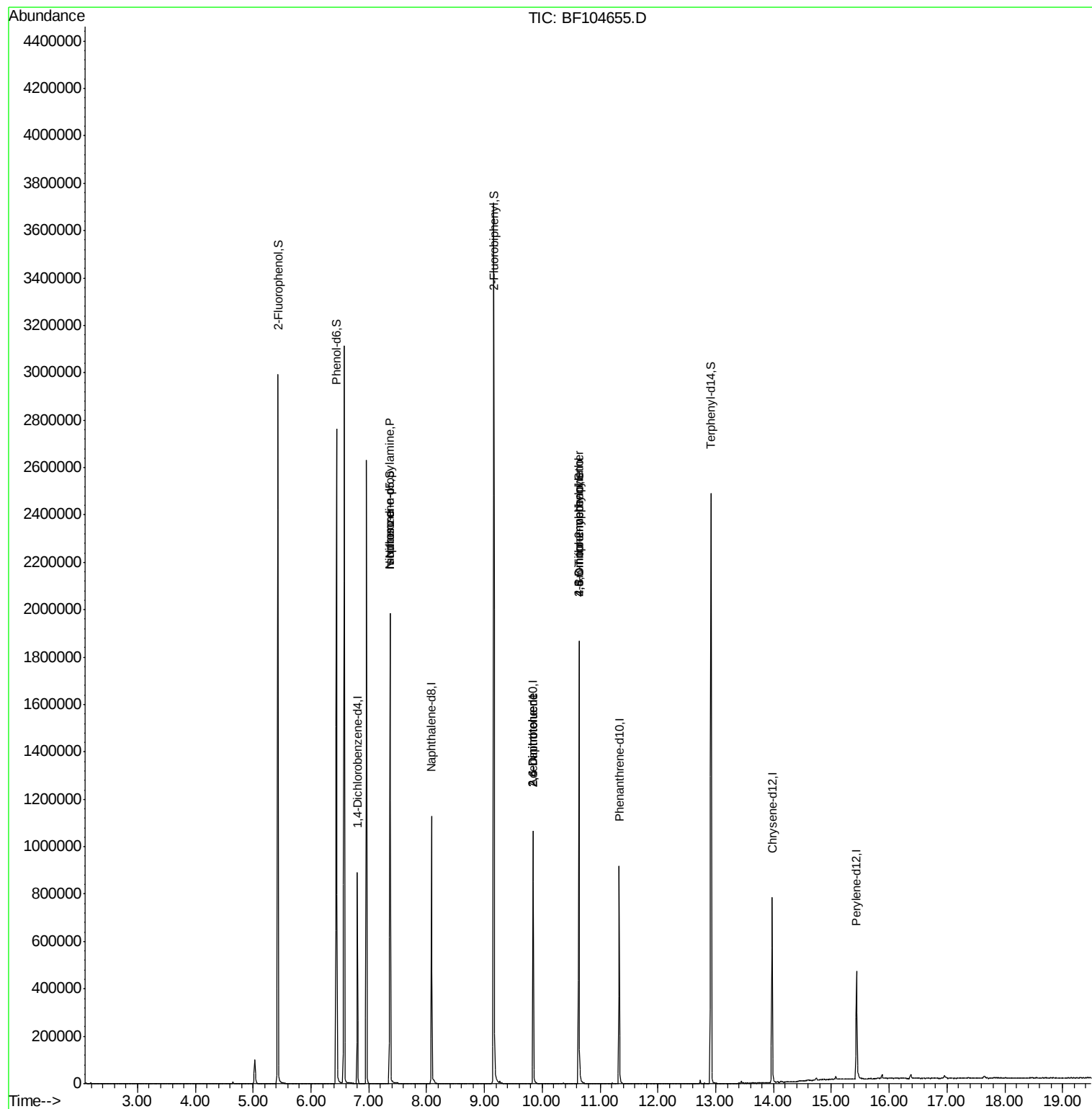
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1679	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	90232	13.454	ng	# 75
25) Isophorone	7.37	82	699575	41.773	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	27578	8.716	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	27578	6.645	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	360	7.529	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13999	3.820	ng	# 1
76) Benzidine	12.92	184	11536	Below Cal	#	93

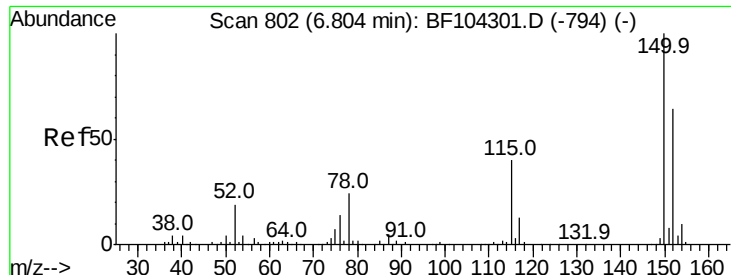
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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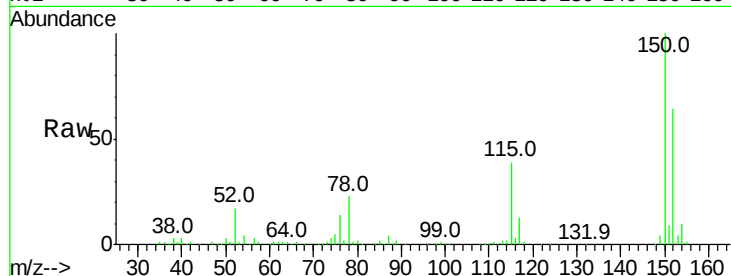


#1

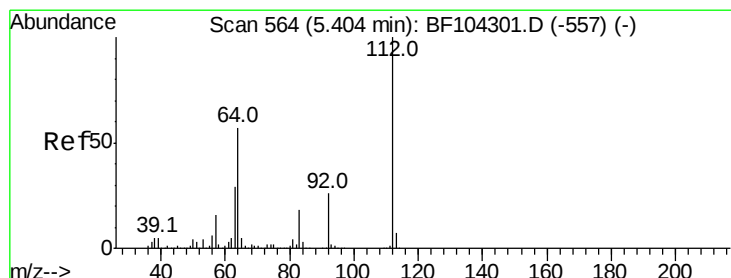
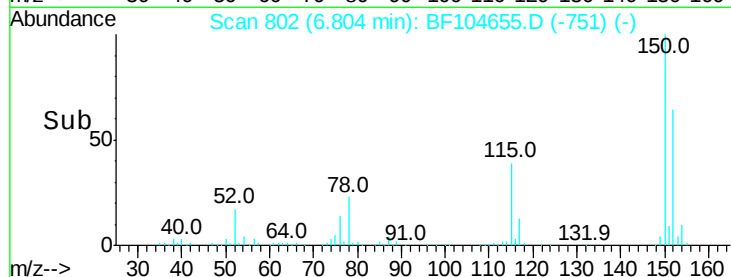
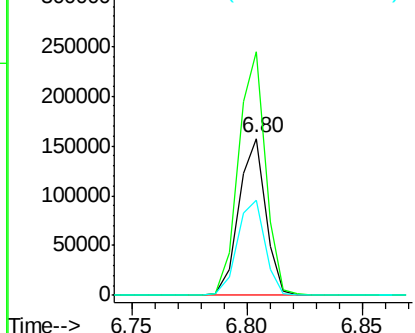
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 127728
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 61.0 50.1 75.1



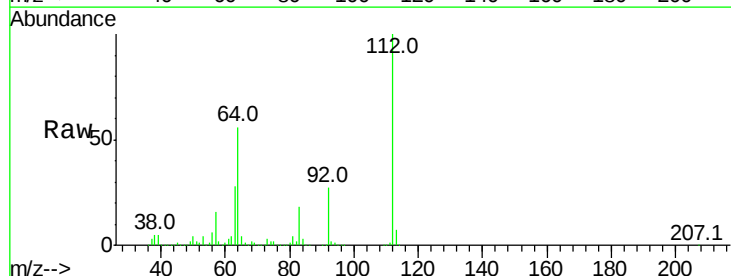
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



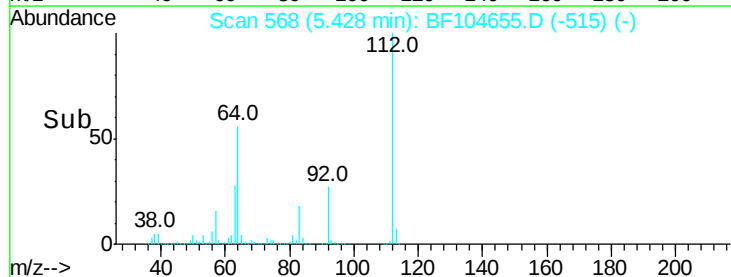
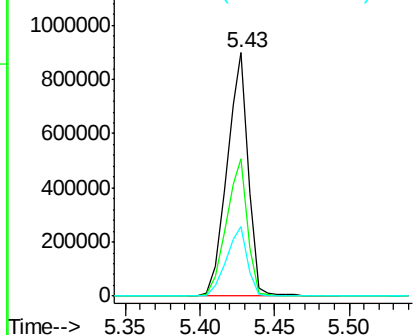
#5

2-Fluorophenol
Concen: 108.194 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Tgt Ion:112 Resp: 903788
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.3 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: 107.928 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104655.D

Acq: 20 Apr 2018 3:21

Instrument :

BNA_F

ClientSampled :

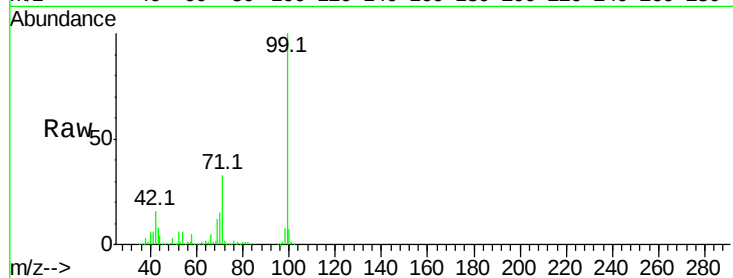
Tot Ion: 99 Resp: 1107733

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

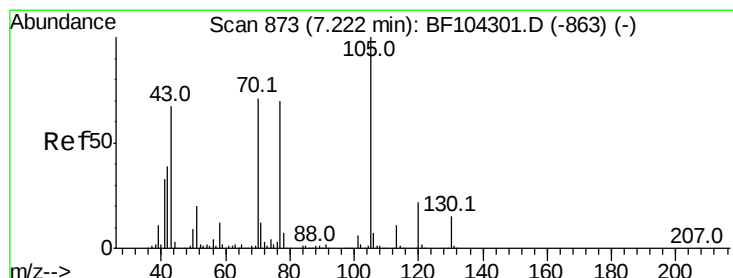
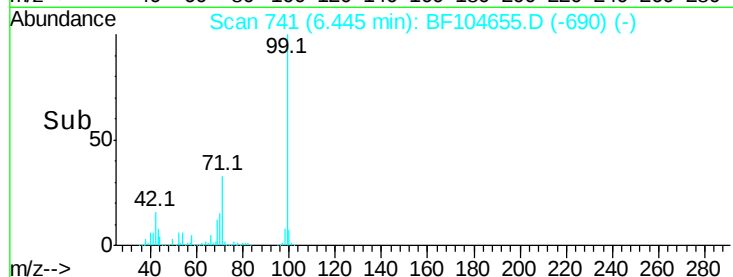
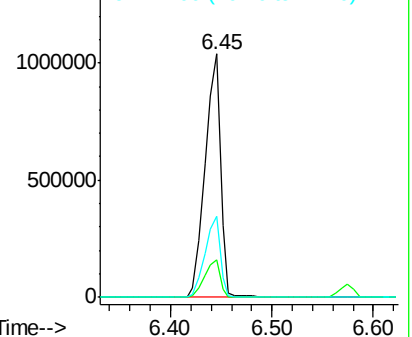
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.454 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104655.D

Acq: 20 Apr 2018 3:21

Tgt Ion: 70 Resp: 90232

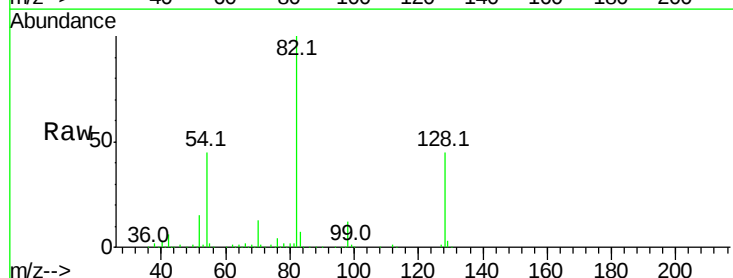
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

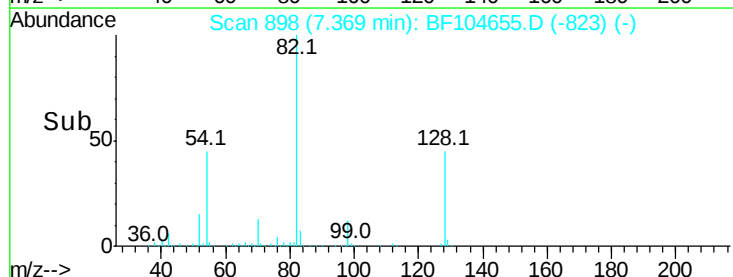
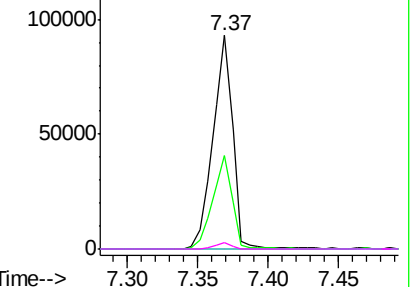


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

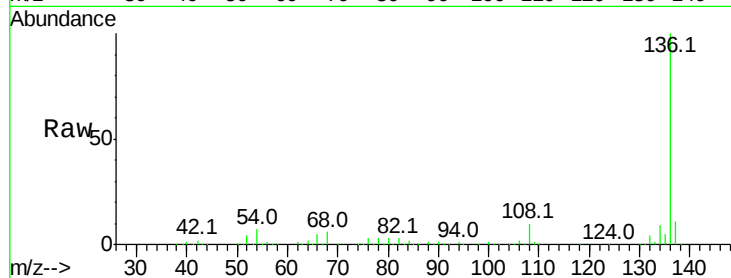




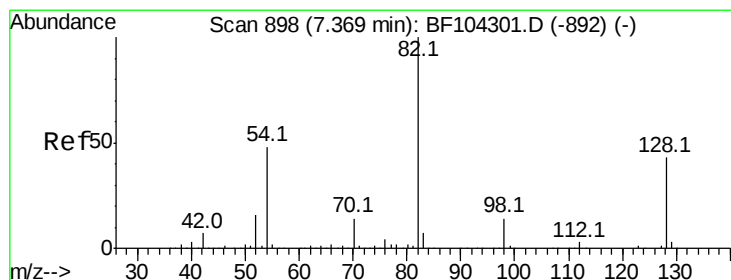
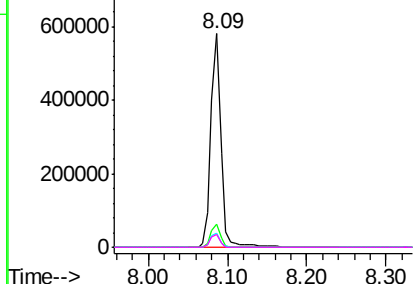
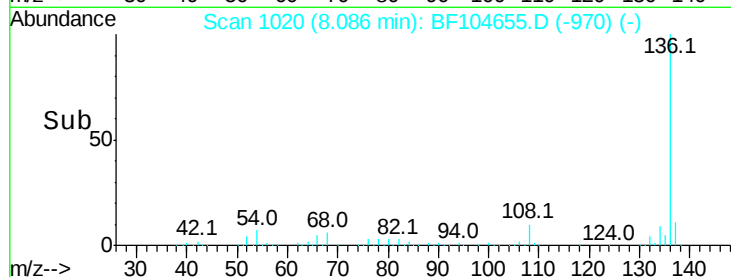
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	517137
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.7	6.6	9.8
68	5.8	5.0	7.4

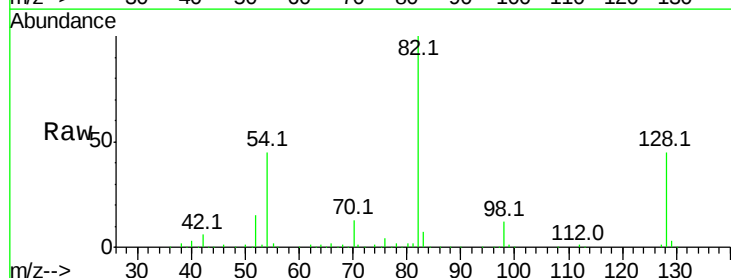


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

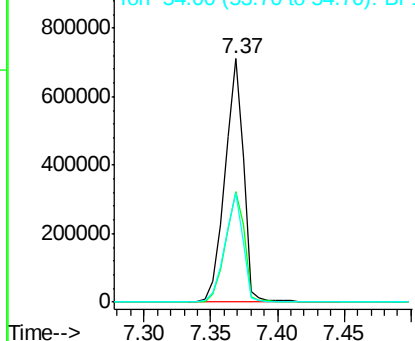
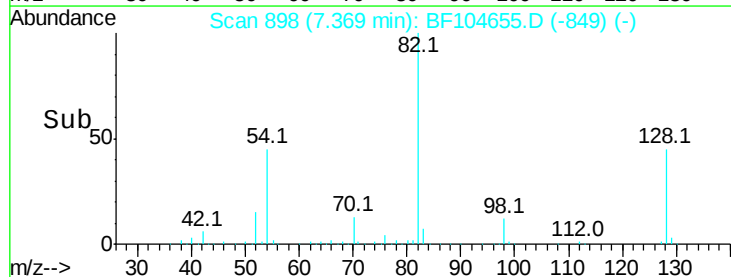


#23
Nitrobenzene-d5
Concen: 88.335 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Tgt Ion:	82	Resp:	699581
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	45.0	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: 41.773 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104655.D

Acq: 20 Apr 2018 3:21

Instrument :

BNA_F

ClientSampleId :

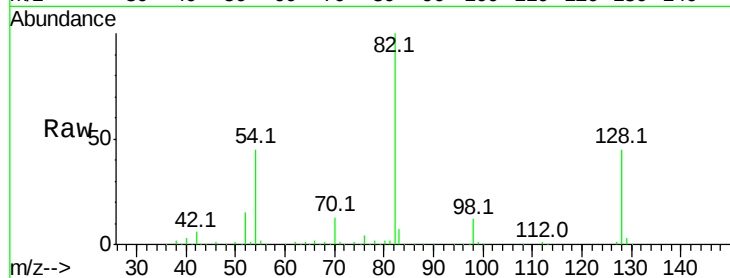
Tot Ion: 82 Resp: 699575

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

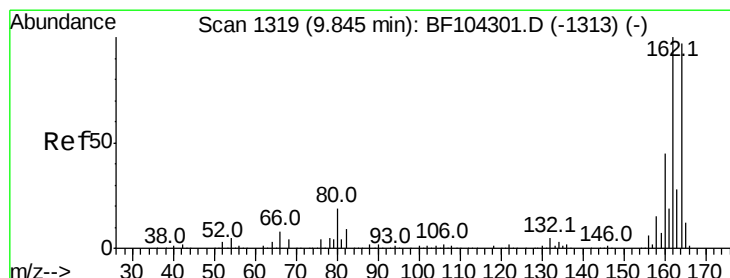
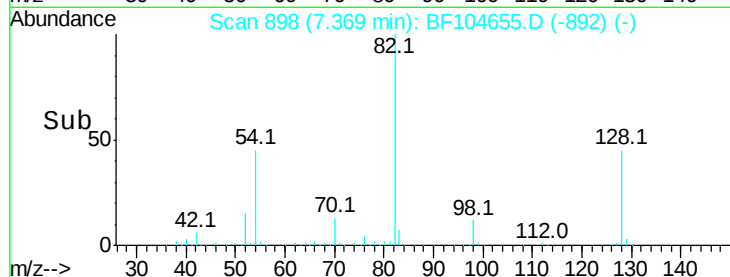
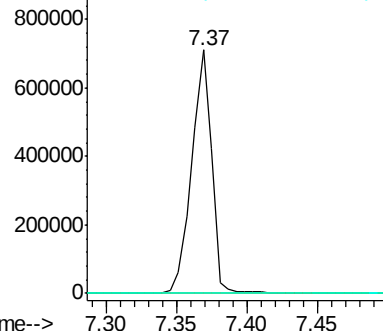
138 0.0 14.9 22.3#



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: BF104655.D

Acq: 20 Apr 2018 3:21

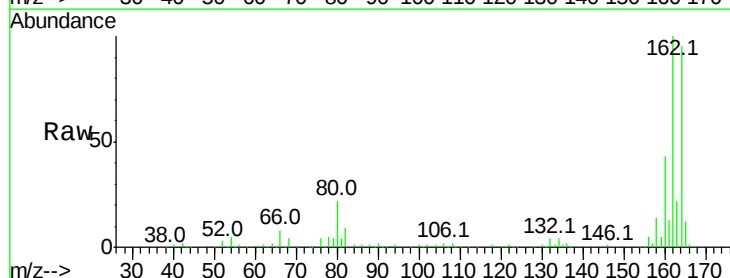
Tgt Ion:164 Resp: 216845

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

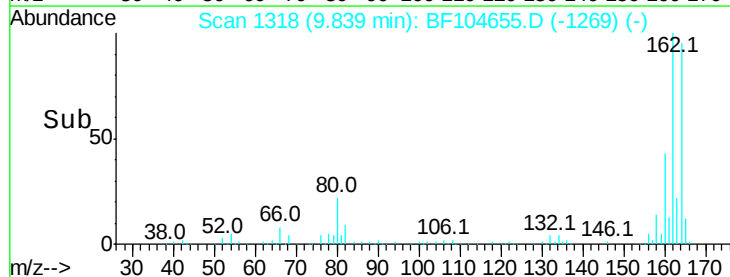
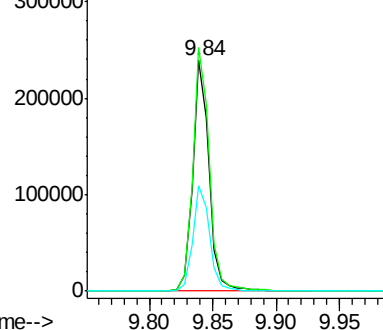
160 45.5 38.3 57.5

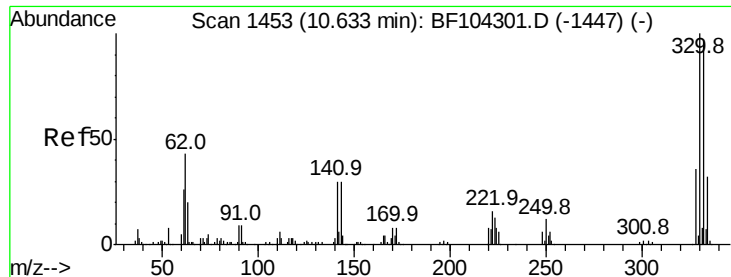


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

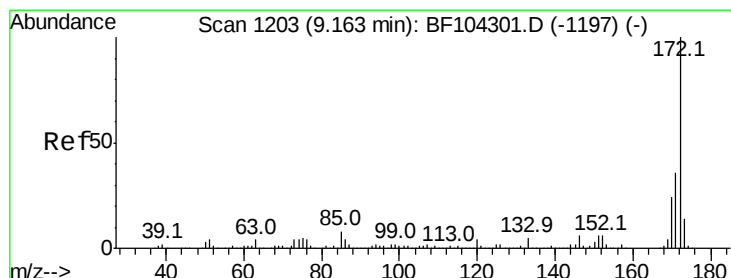
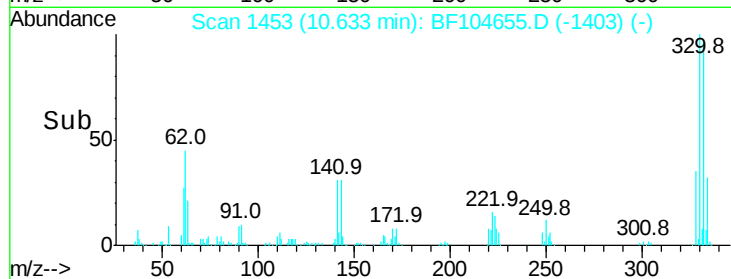
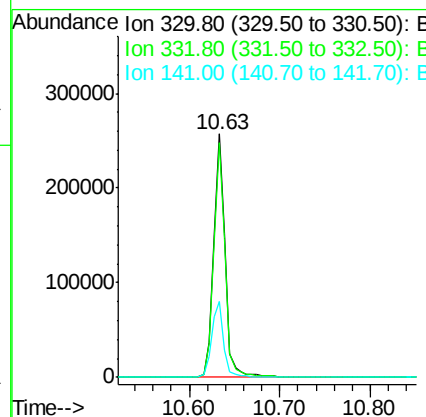
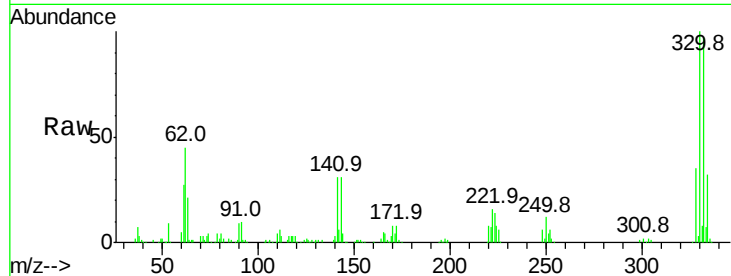




#41
 2,4,6-Tribromophenol
 Concen: 103.668 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104655.D
 Acq: 20 Apr 2018 3:21

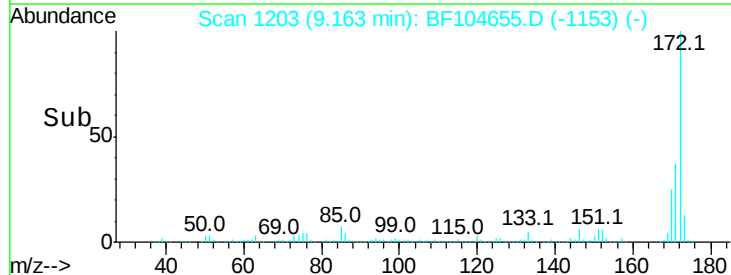
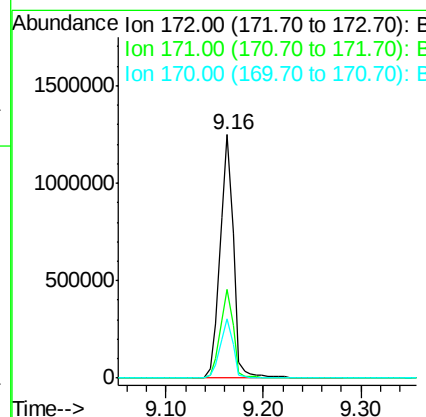
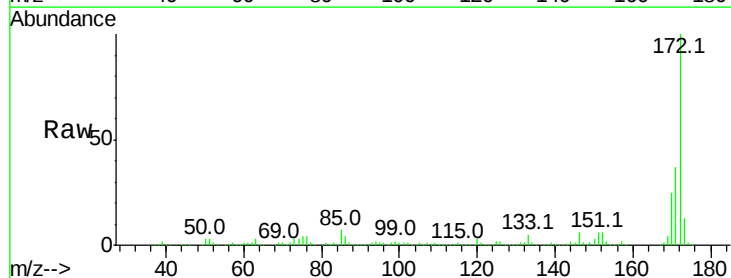
Instrument :
 BNA_F
 ClientSampleId :

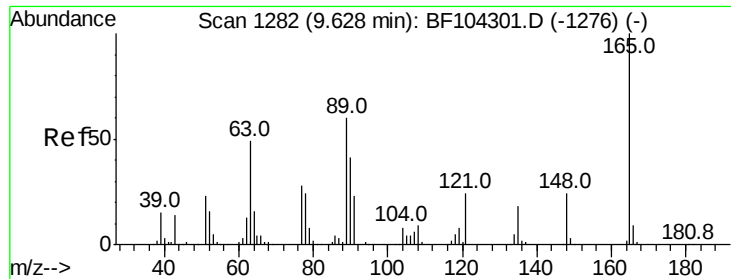
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	32.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 86.703 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104655.D
 Acq: 20 Apr 2018 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.6	19.6	29.4

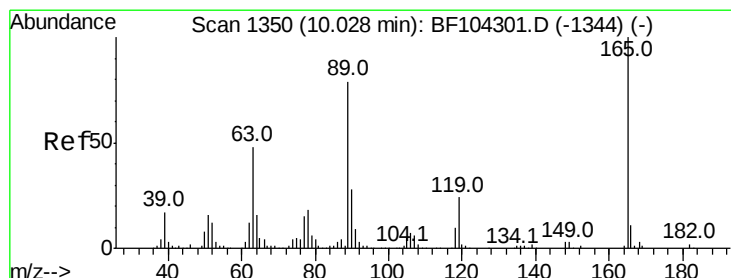
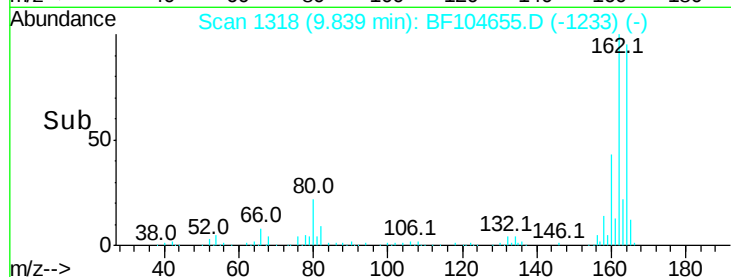
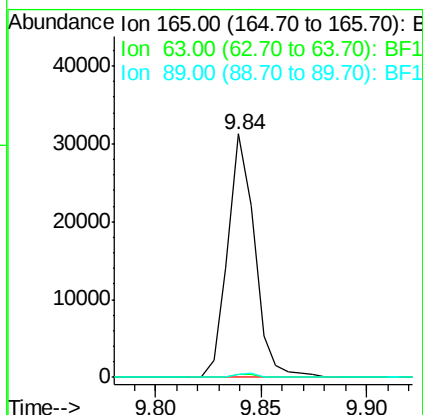
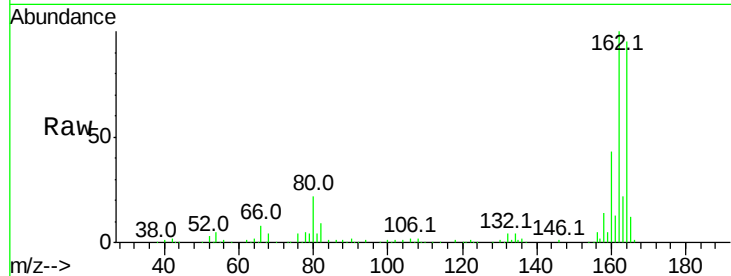




#50
 2,6-Dinitrotoluene
 Concen: 8.716 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF104655.D
 Acq: 20 Apr 2018 3:21

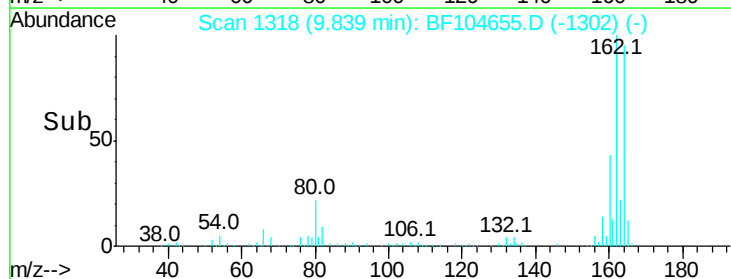
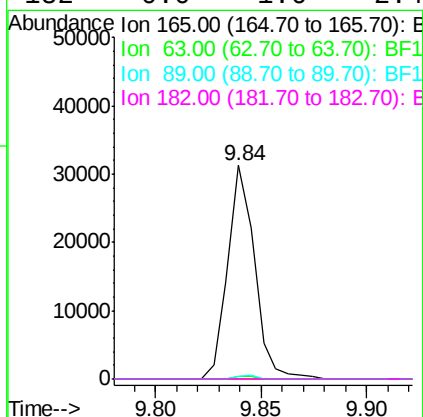
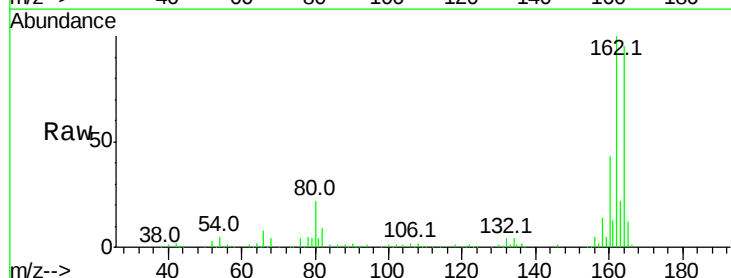
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.645 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104655.D
 Acq: 20 Apr 2018 3:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

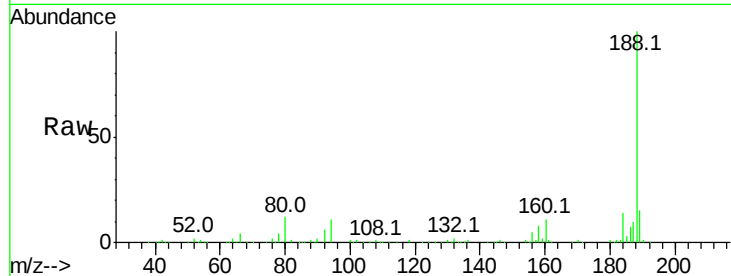




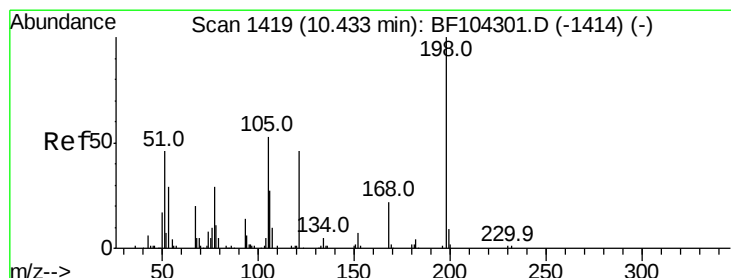
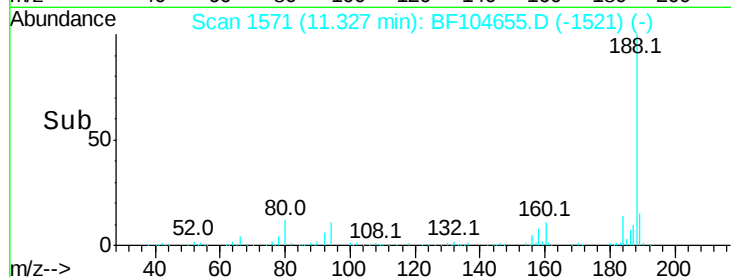
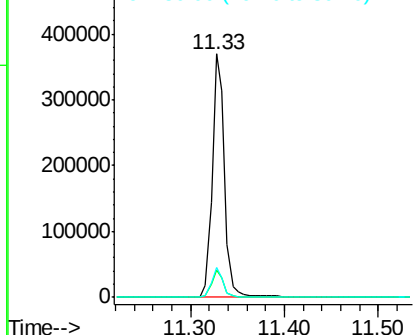
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 344511
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.1 9.2 13.8

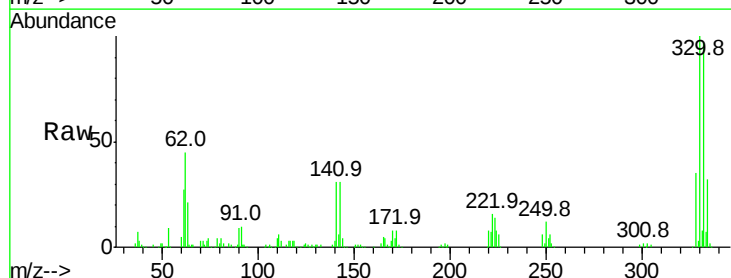


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

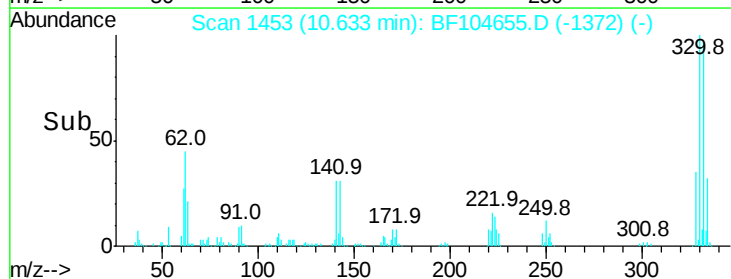
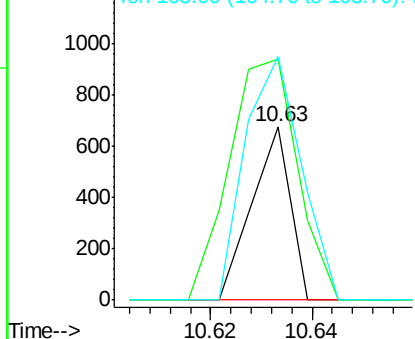


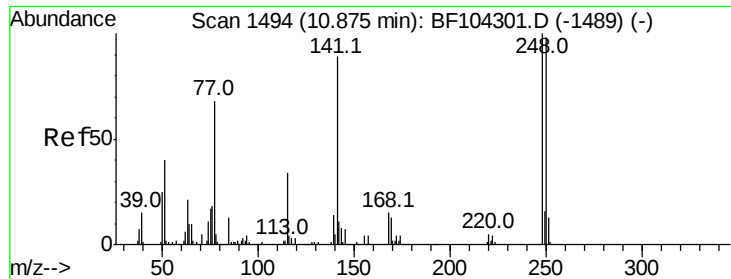
#64
4,6-Dinitro-2-methylphenol
Concen: 7.529 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Tgt Ion:198 Resp: 360
Ion Ratio Lower Upper
198 100
51 139.2 37.7 77.7#
105 140.4 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

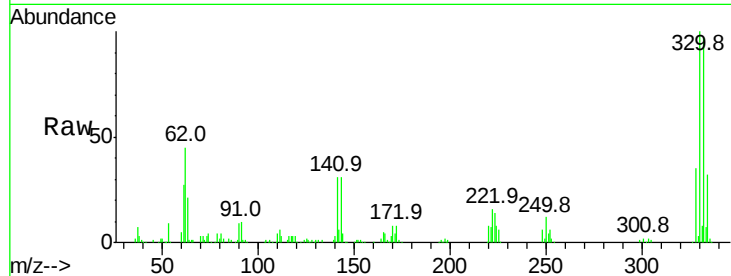




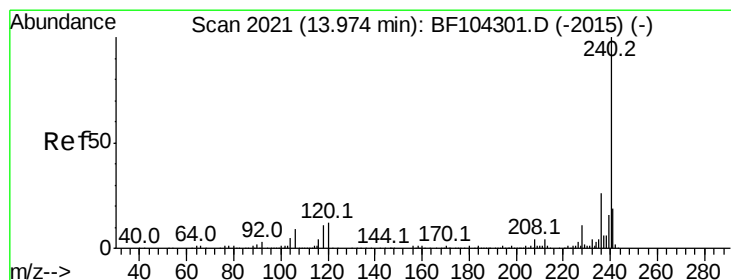
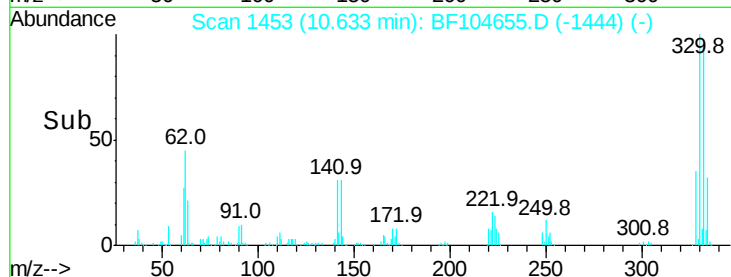
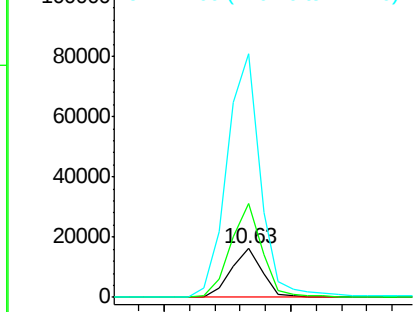
#66
4-Bromophenyl-phenylether
Concen: 3.820 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13999
Ion Ratio Lower Upper
248 100
250 192.2 76.9 115.3#
141 500.7 74.4 111.6#

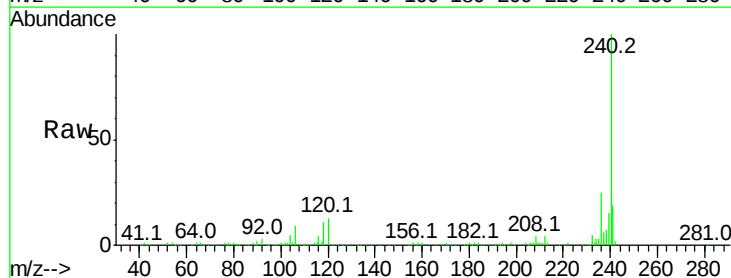


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

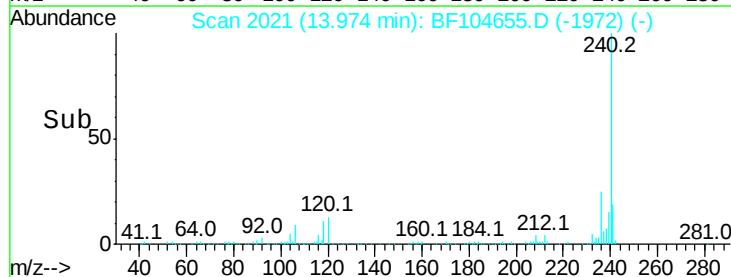
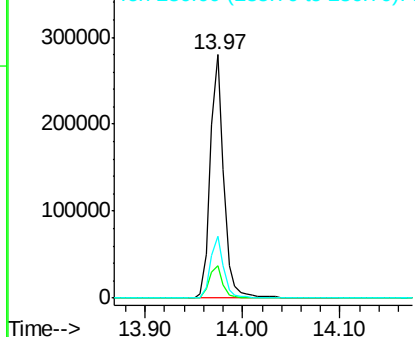


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104655.D
Acq: 20 Apr 2018 3:21

Tgt Ion:240 Resp: 268224
Ion Ratio Lower Upper
240 100
120 13.3 9.5 14.3
236 25.2 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: 78.189 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104655.D

Acq: 20 Apr 2018 3:21

Instrument :

BNA_F

ClientSampleId :

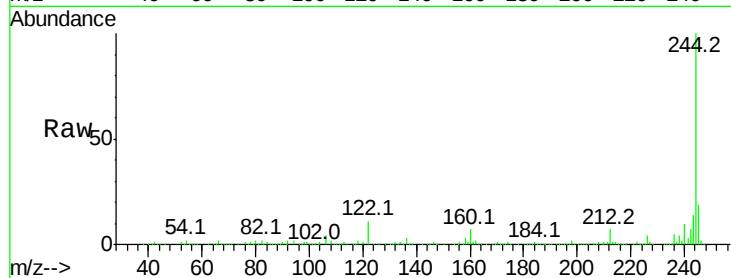
Tot Ion:244 Resp: 919895

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

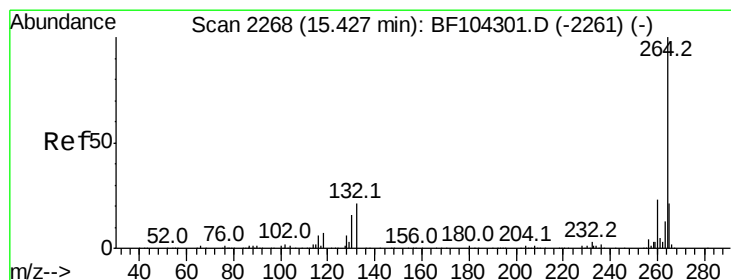
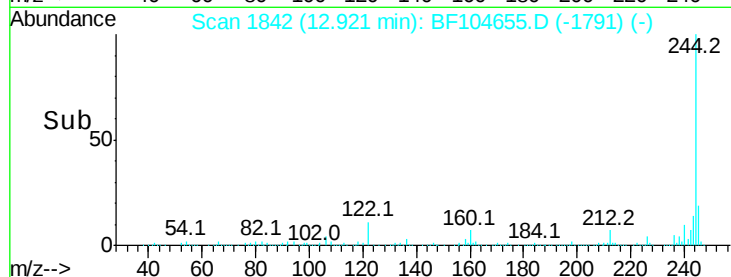
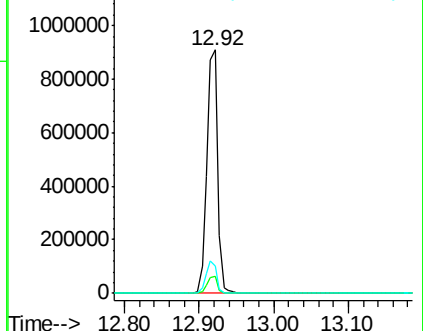
122 11.2 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF104655.D

Acq: 20 Apr 2018 3:21

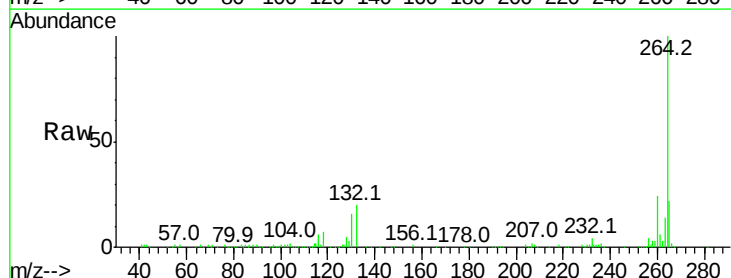
Tgt Ion:264 Resp: 224600

Ion Ratio Lower Upper

264 100

260 23.6 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

