

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104834.D
 Acq On : 26 Apr 2018 14:01
 Operator : JU/SJ
 Sample : PB108622BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:29:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

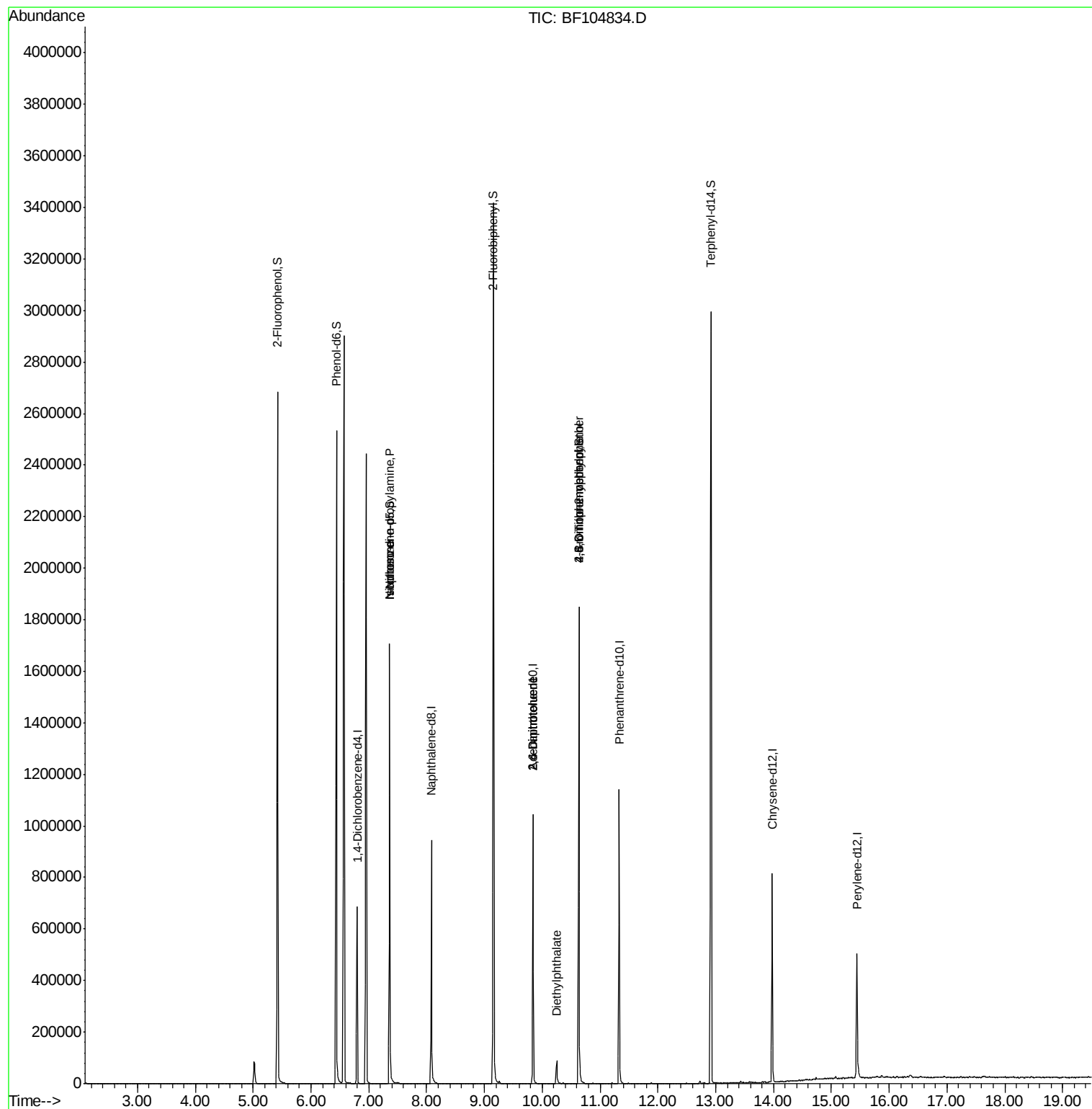
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109980	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	463764	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	217670	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	409459	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272415	20.00	ng	-0.01
86) Perylene-d12	15.44	264	243275	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	825780	114.81	ng	0.00
7) Phenol-d6	6.44	99	1005607	113.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	630295	88.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	252452	111.81	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1148200	83.33	ng	0.00
78) Terphenyl-d14	12.92	244	1157749	96.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	81921	14.186	ng	# 73
25) Isophorone	7.36	82	630287	41.967	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	28023	8.823	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	28023	6.726	ng	# 23
59) Diethylphthalate	10.25	149	65218	3.815	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	334	7.489	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15560	3.573	ng	# 1
76) Benzidine	12.92	184	15307	Below Cal		# 95

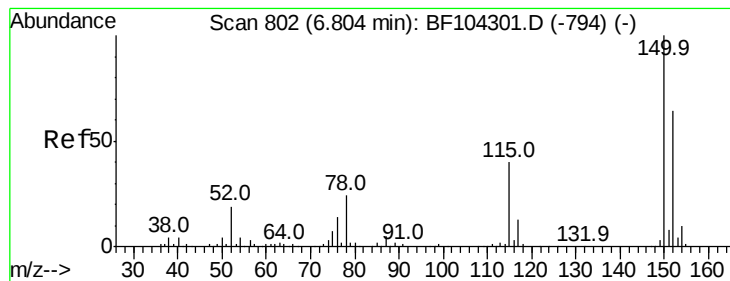
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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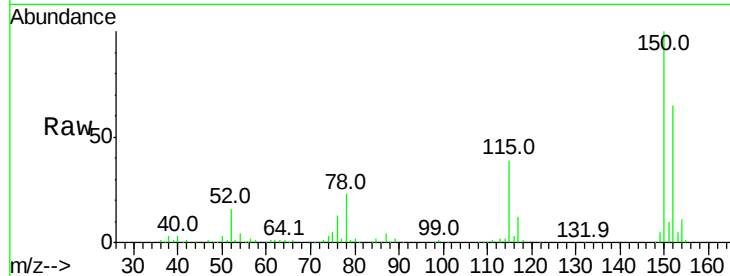


#1

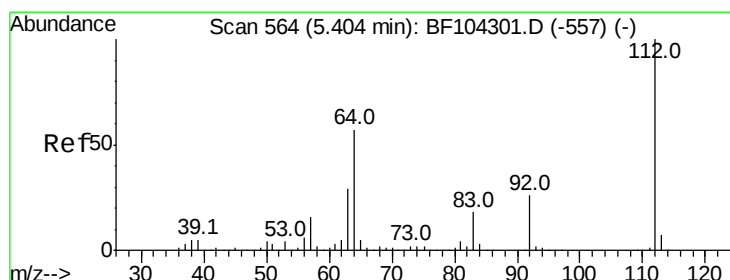
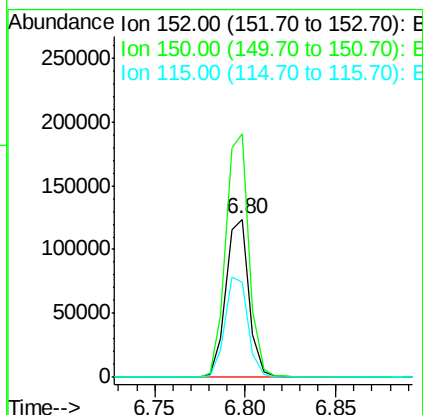
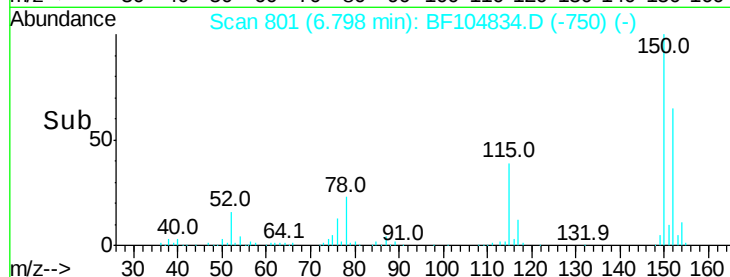
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109980
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 60.3 50.1 75.1



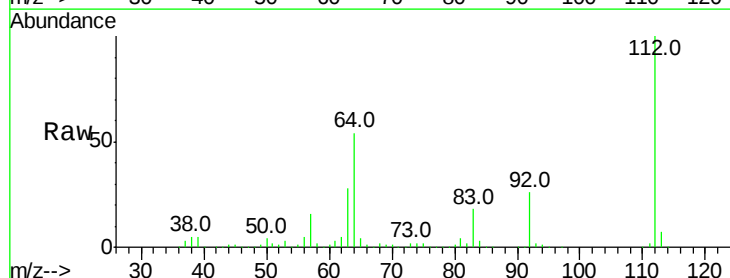
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



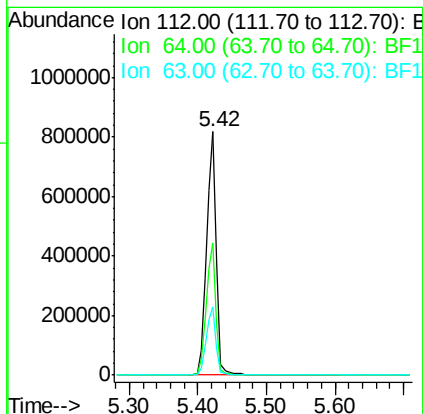
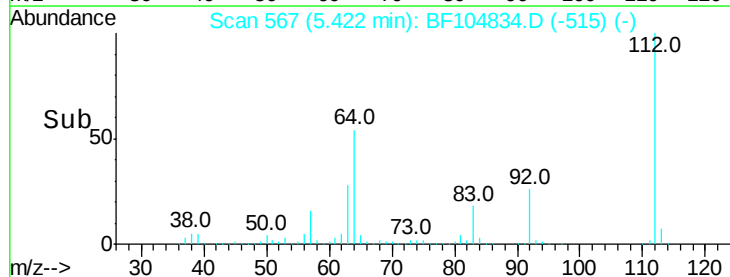
#5

2-Fluorophenol
Concen: 114.808 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Tgt Ion:112 Resp: 825780
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 28.1 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: 113.789 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104834.D

Acq: 26 Apr 2018 14:01

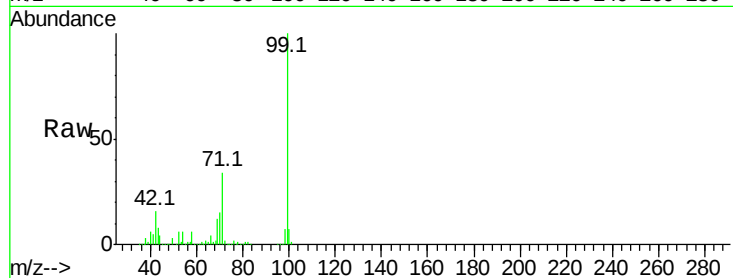
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1005607

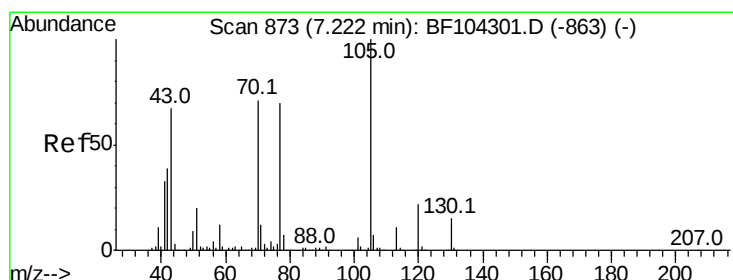
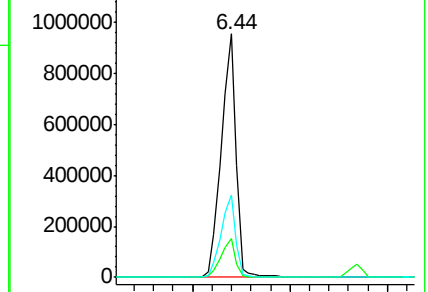
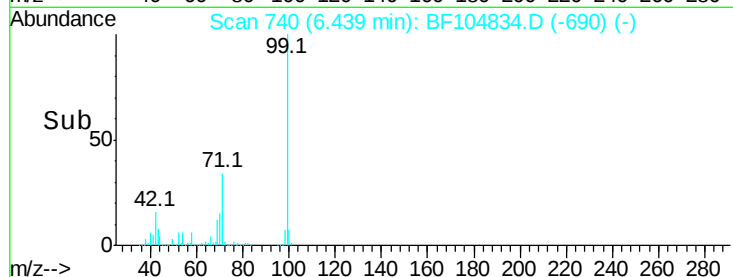
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	34.0	25.4	38.0



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: 14.186 ng

RT: 7.36 min Scan# 897

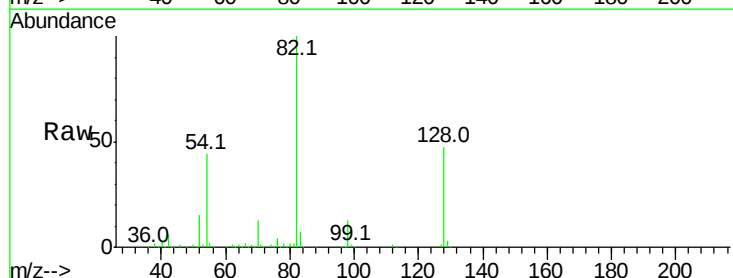
Delta R.T. 0.15 min

Lab File: BF104834.D

Acq: 26 Apr 2018 14:01

Tgt Ion: 70 Resp: 81921

Ion	Ratio	Lower	Upper
70	100		
42	41.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

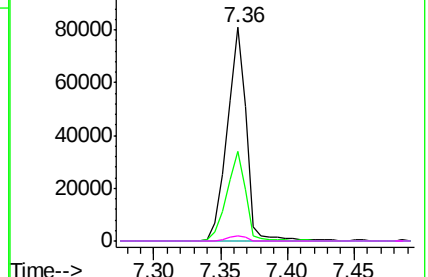
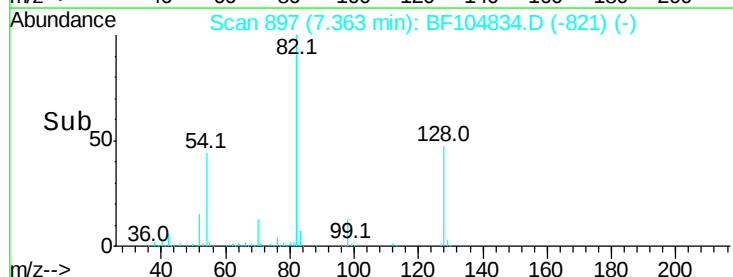


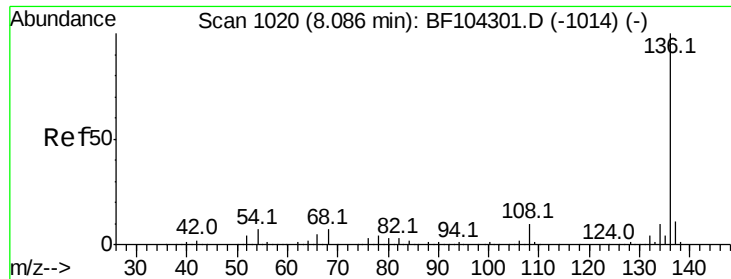
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

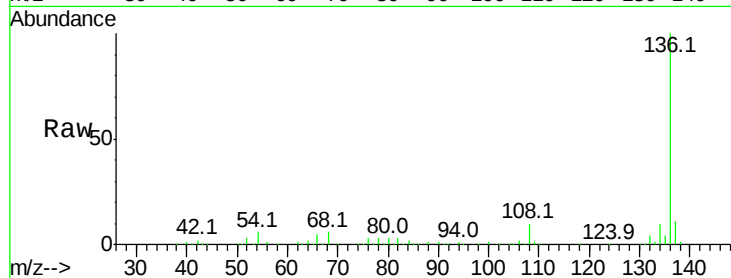




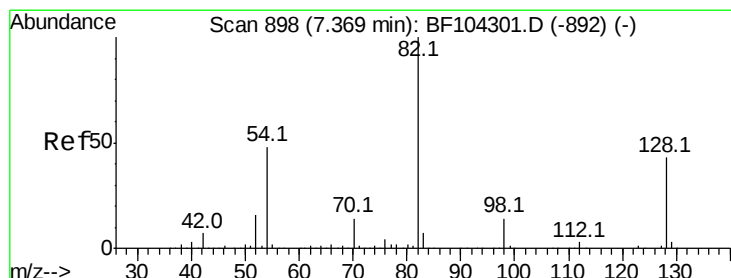
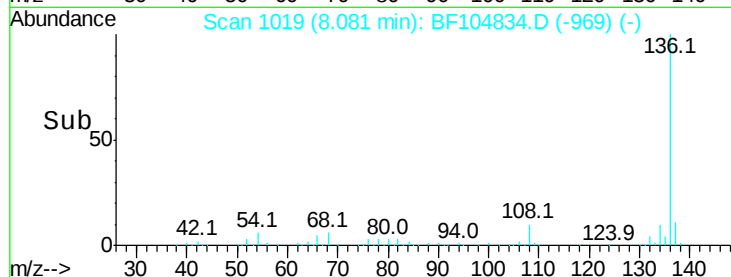
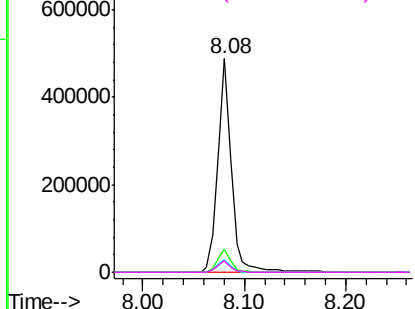
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	463764
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.2	6.6	9.8#
68	5.7	5.0	7.4

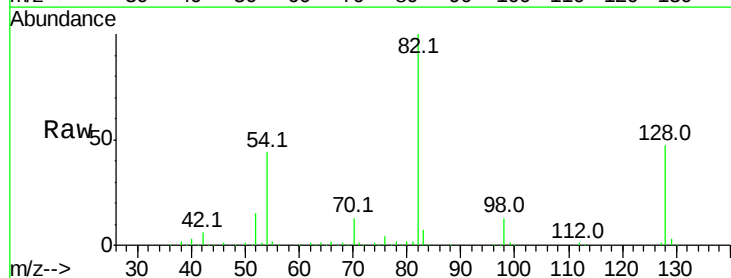


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

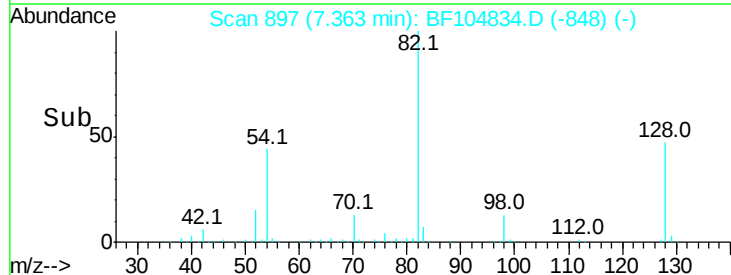
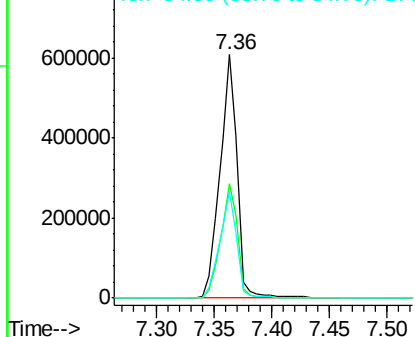


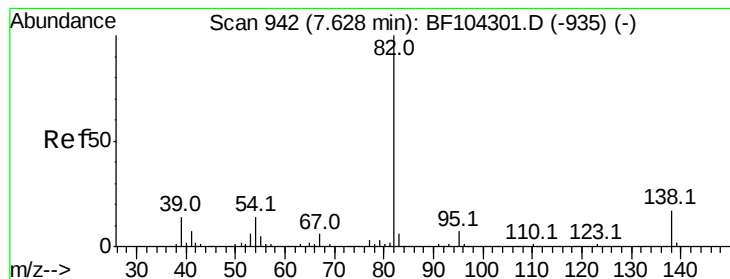
#23
Nitrobenzene-d5
Concen: 88.746 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Tgt Ion:	82	Resp:	630295
Ion	Ratio	Lower	Upper
82	100		
128	46.9	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: 41.967 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104834.D

Acq: 26 Apr 2018 14:01

Instrument :

BNA_F

ClientSampleId :

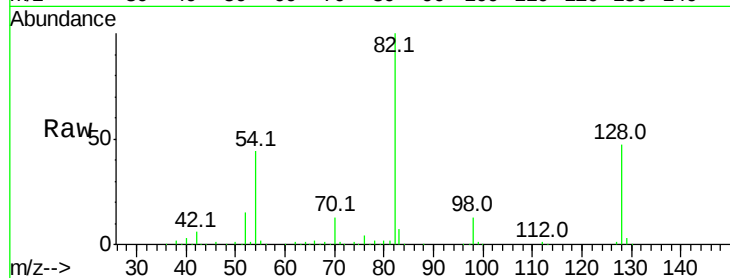
Tot Ion: 82 Resp: 630287

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

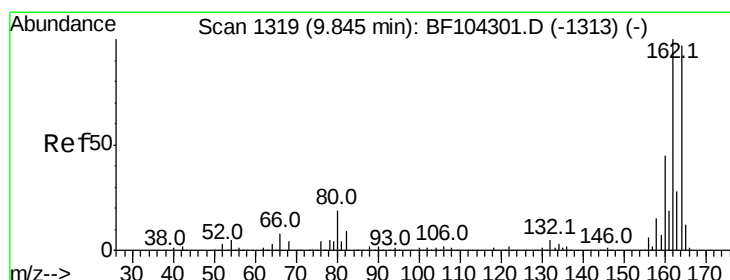
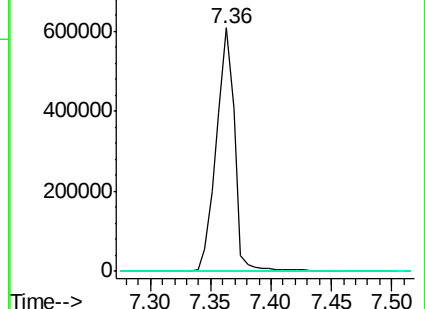
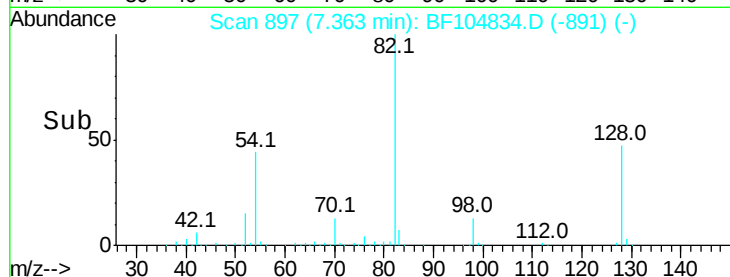
138 0.0 14.9 22.3#



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: BF104834.D

Acq: 26 Apr 2018 14:01

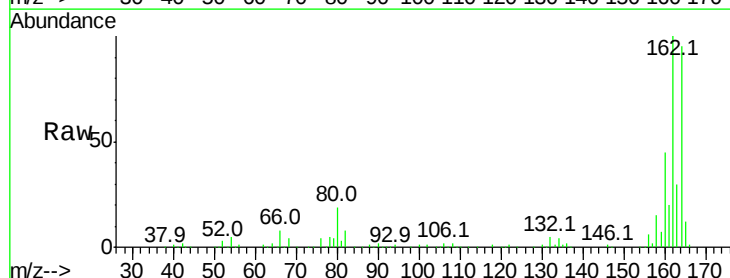
Tgt Ion:164 Resp: 217670

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

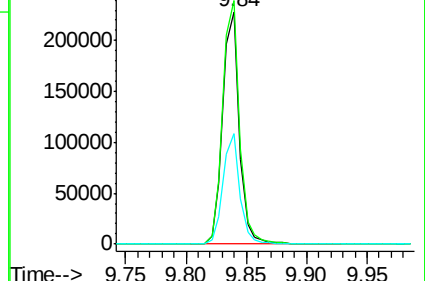
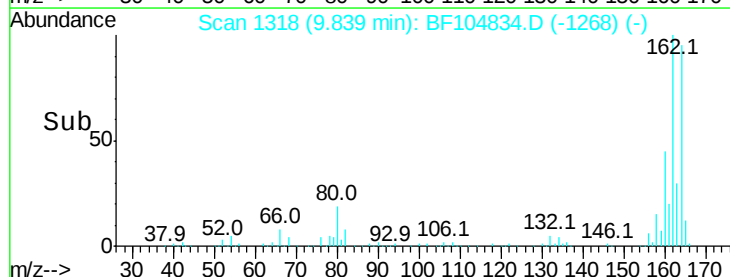
160 47.5 38.3 57.5

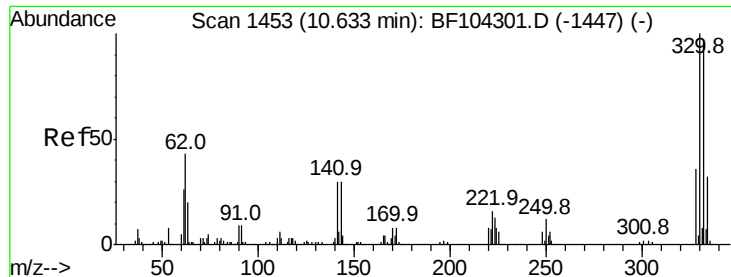


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

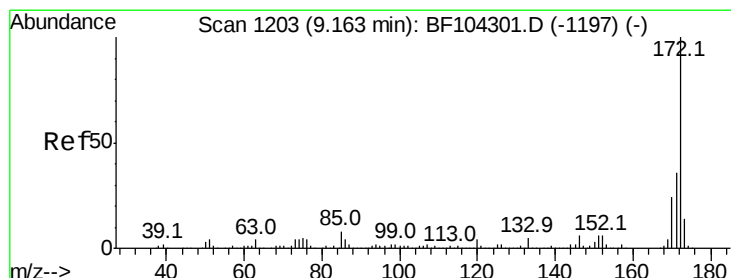
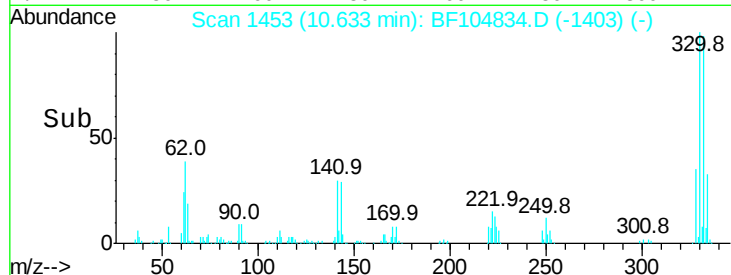
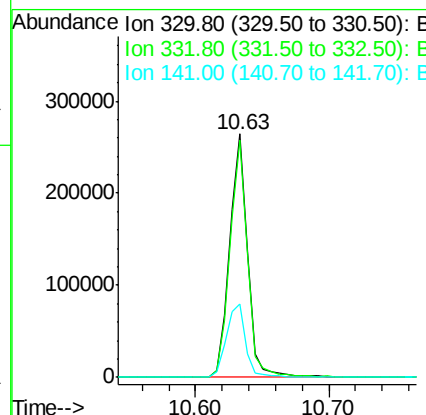
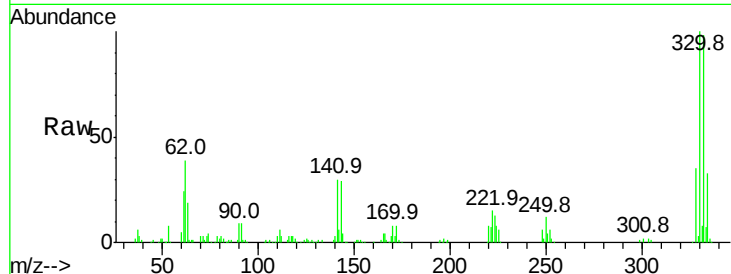




#41
 2,4,6-Tribromophenol
 Concen: 111.806 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104834.D
 Acq: 26 Apr 2018 14:01

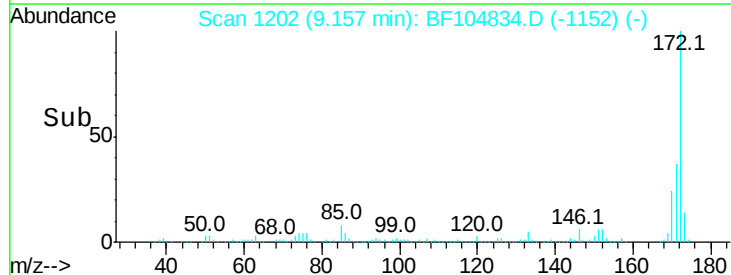
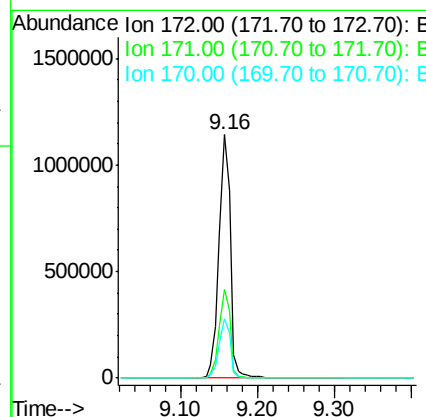
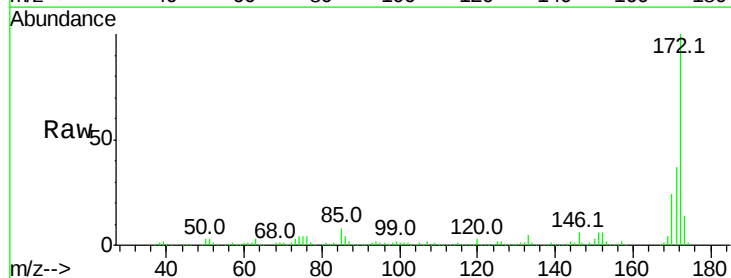
Instrument :
 BNA_F
 ClientSampleId :

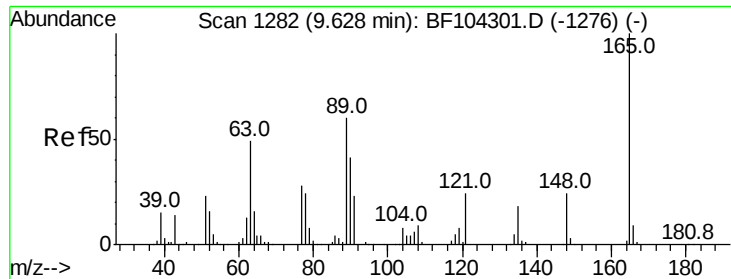
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 83.331 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104834.D
 Acq: 26 Apr 2018 14:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 8.823 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104834.D

Acq: 26 Apr 2018 14:01

Instrument :

BNA_F

ClientSampleId :

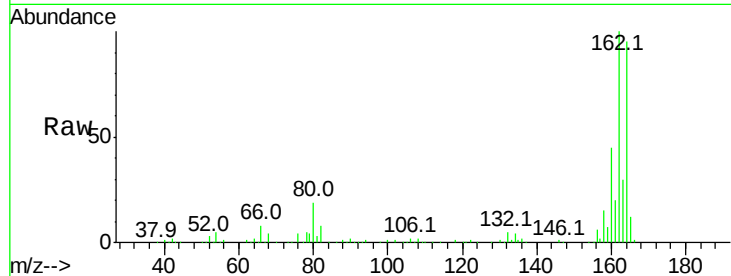
Tot Ion:165 Resp: 28023

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

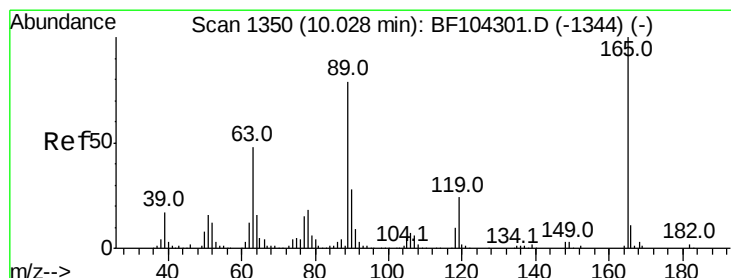
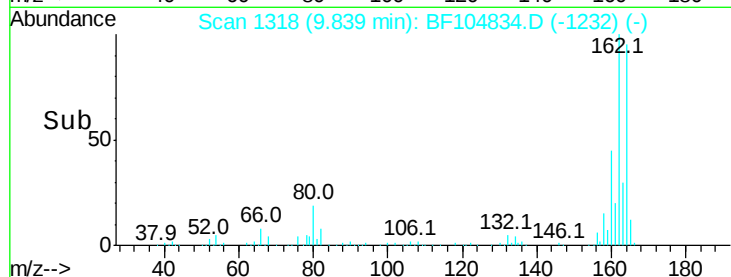
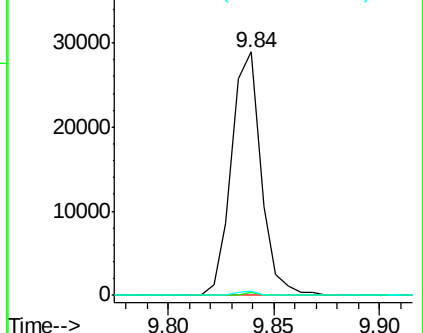
89 1.6 44.0 66.0#



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: 6.726 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104834.D

Acq: 26 Apr 2018 14:01

Tgt Ion:165 Resp: 28023

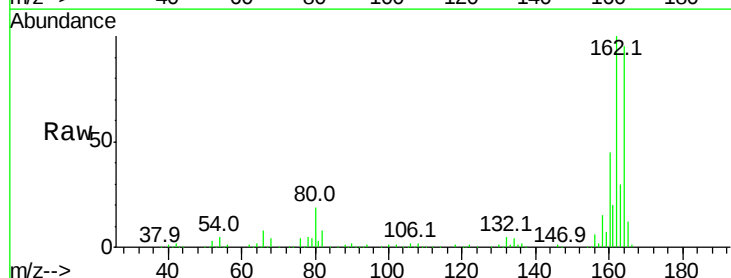
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

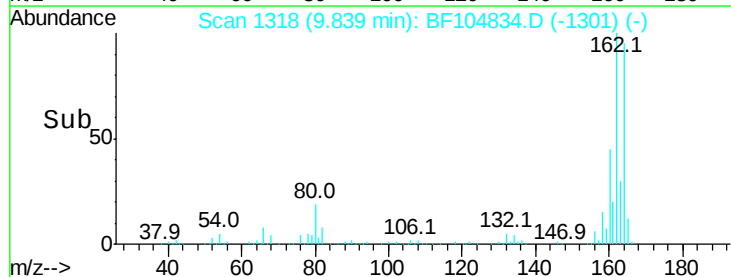
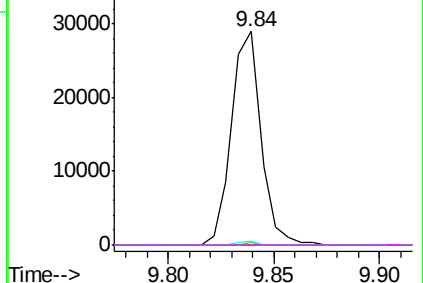


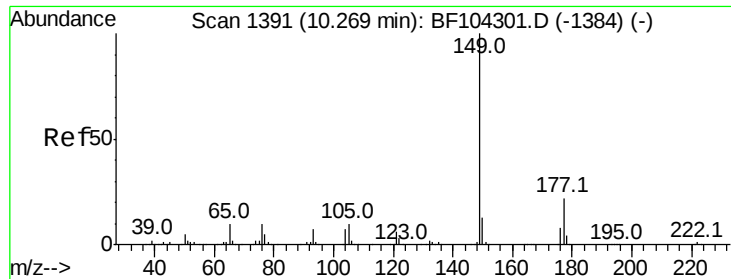
Abundance Ion 165.00 (164.70 to 165.70): E

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

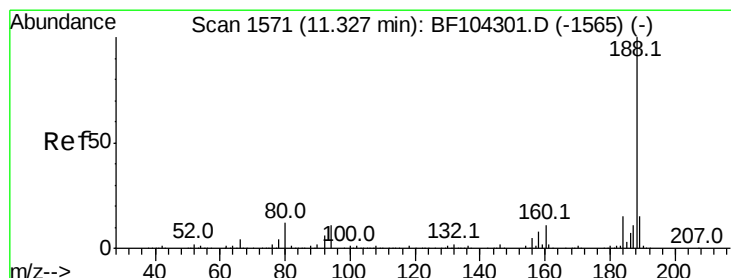
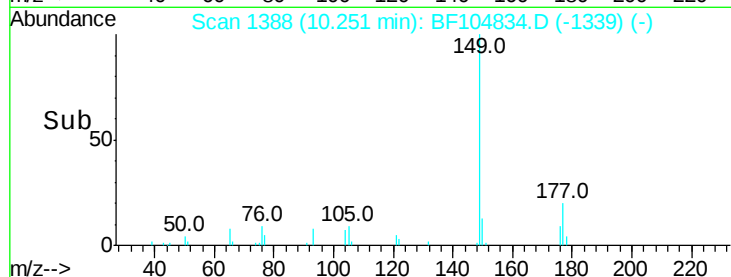
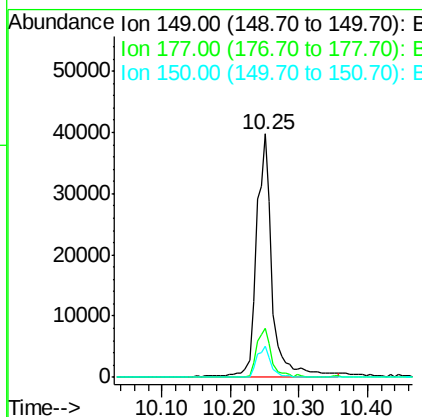
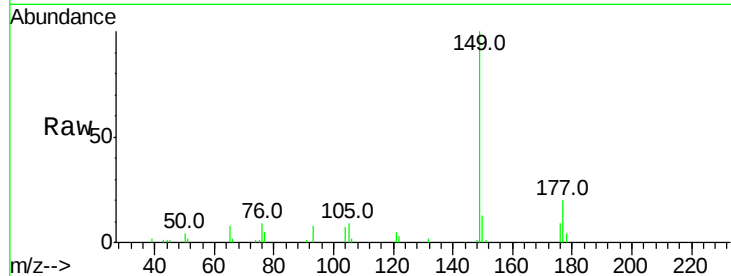




#59
Diethylphthalate
Concen: 3.815 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

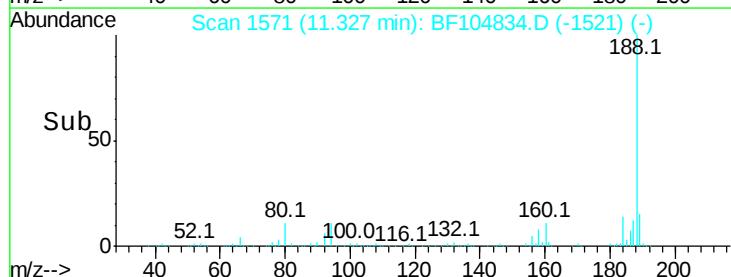
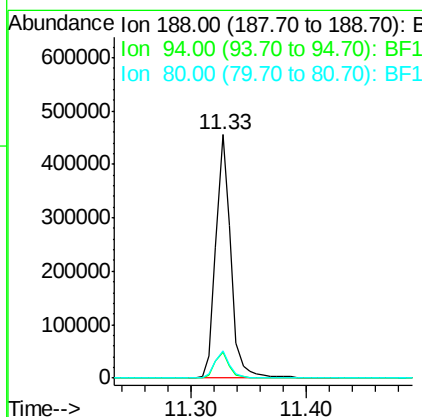
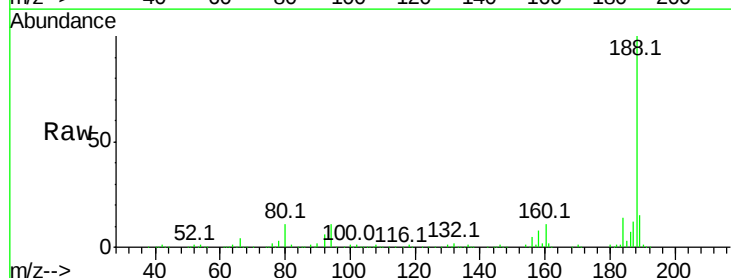
Instrument :
BNA_F
ClientSampled :

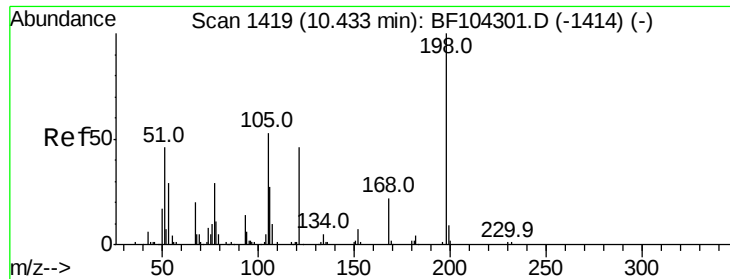
Tot Ion:149 Resp: 65218
Ion Ratio Lower Upper
149 100
177 20.3 16.1 24.1
150 12.9 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Tgt Ion:188 Resp: 409459
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.3 9.2 13.8

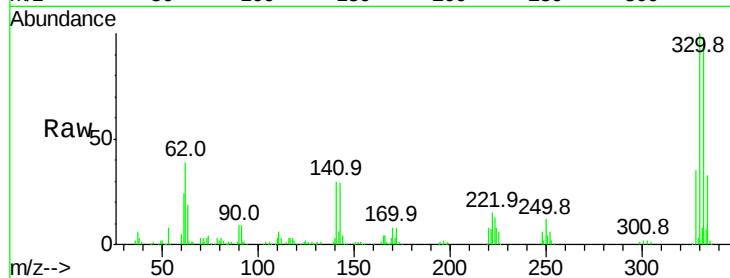




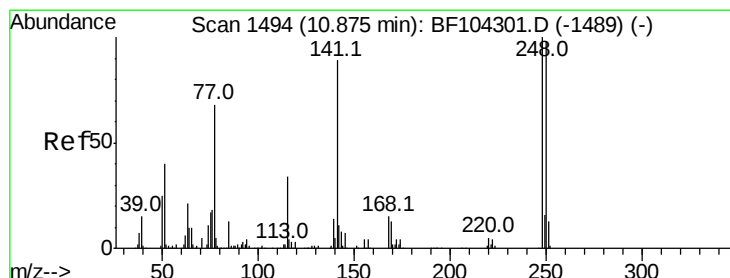
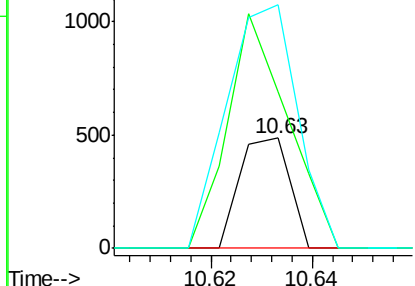
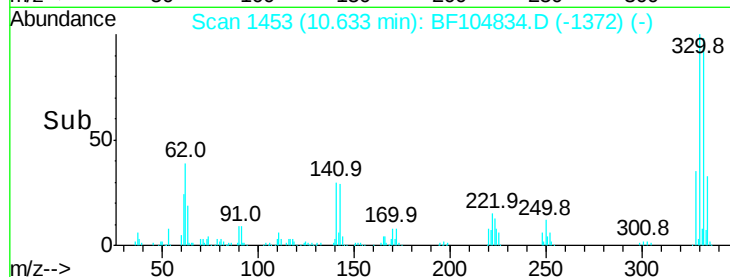
#64
4,6-Dinitro-2-methylphenol
Concen: 7.489 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 334
Ion Ratio Lower Upper
198 100
51 142.9 37.7 77.7#
105 221.4 36.3 76.3#

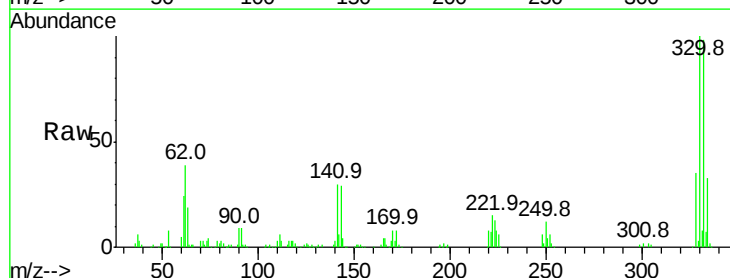


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

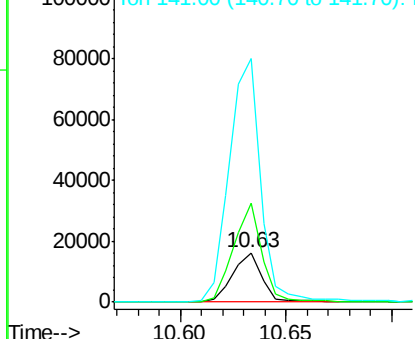
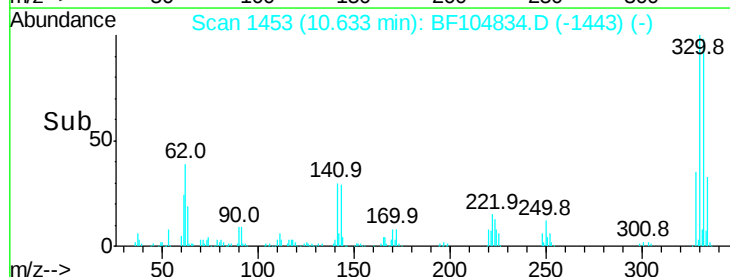


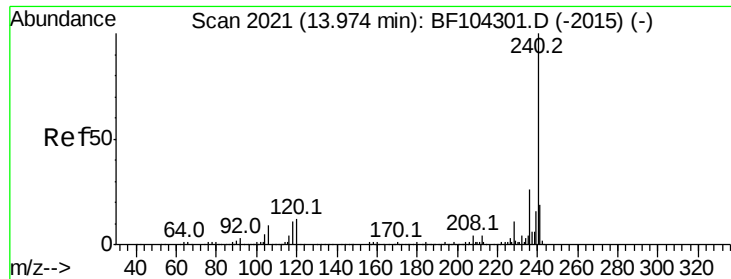
#66
4-Bromophenyl-phenylether
Concen: 3.573 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Tgt Ion:248 Resp: 15560
Ion Ratio Lower Upper
248 100
250 199.5 76.9 115.3#
141 491.7 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

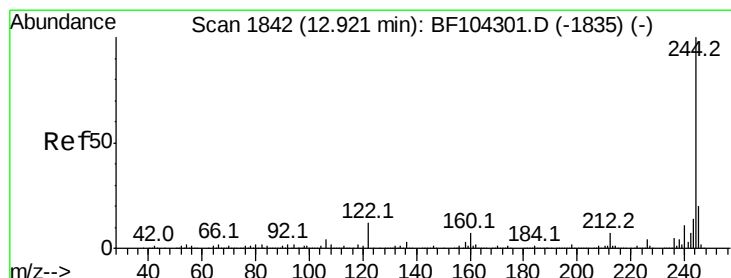
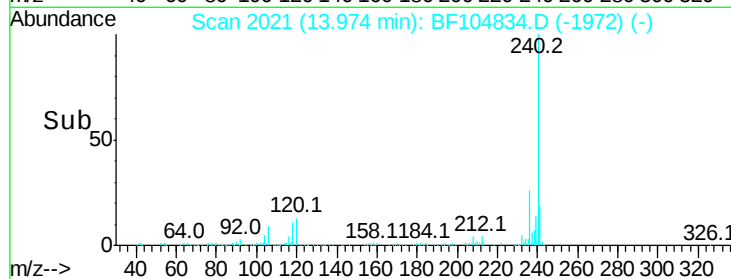
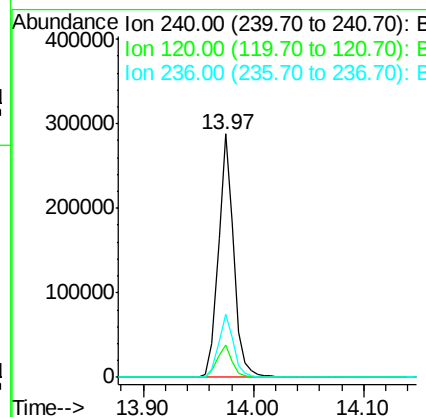
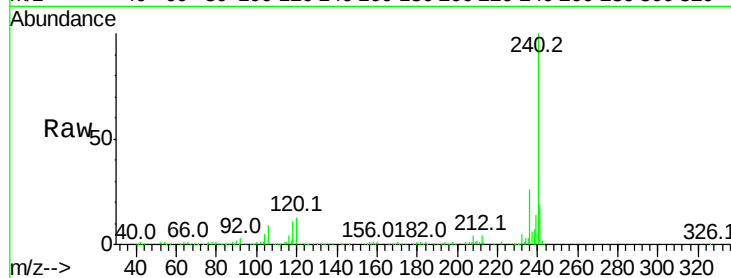




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

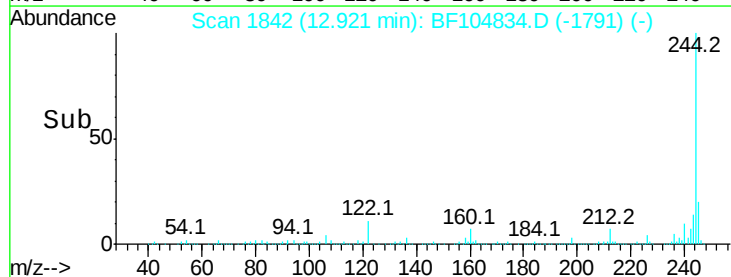
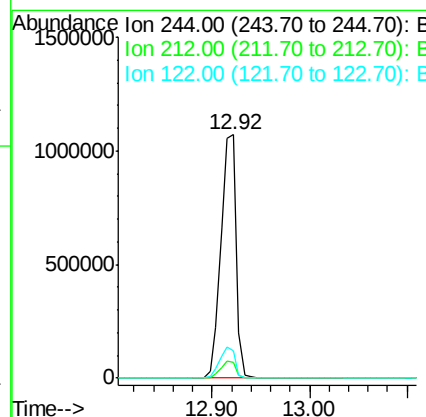
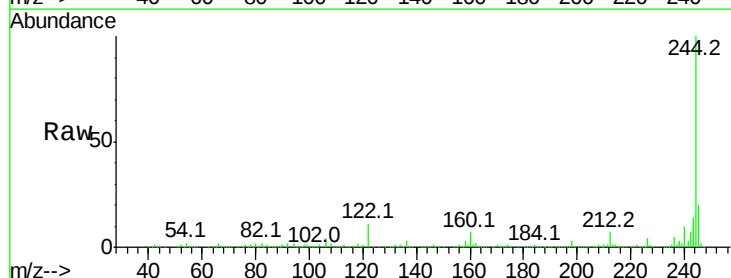
Instrument :
BNA_F
ClientSampleId :

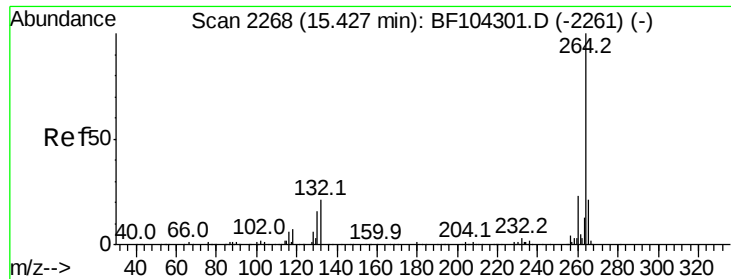
Tot Ion:240 Resp: 272415
Ion Ratio Lower Upper
240 100
120 13.4 9.5 14.3
236 26.1 20.7 31.1



#78
Terphenyl-d14
Concen: 96.892 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104834.D
Acq: 26 Apr 2018 14:01

Tgt Ion:244 Resp: 1157749
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.3 11.0 16.4

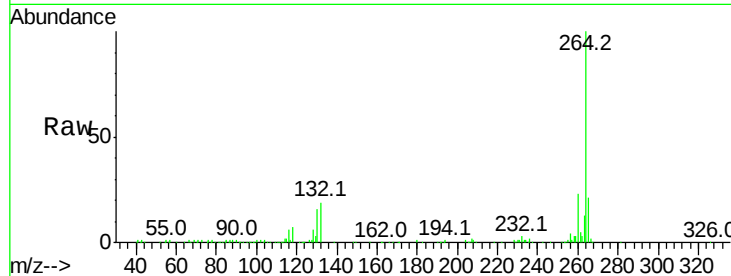




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104834.D
 Acq: 26 Apr 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	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

