

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033902.D
 Acq On : 21 Apr 2018 2:34
 Operator : SJ/JU
 Sample : J2473-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDI-F-D-B

Quant Time: Apr 21 05:19:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

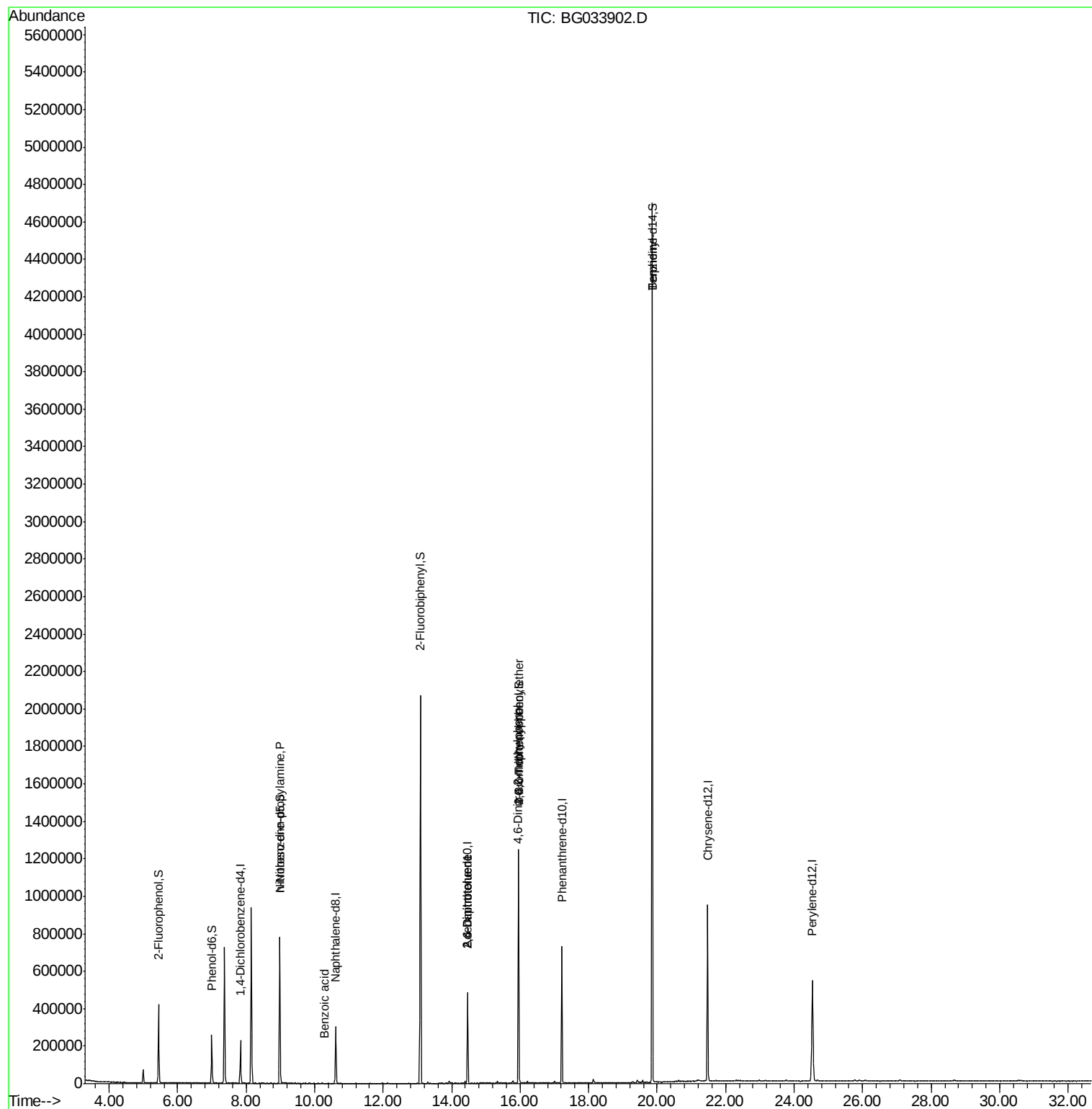
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	60725	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	259442	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	165363	20.00	ng	-0.02
63) Phenanthrene-d10	17.22	188	437958	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	537671	20.00	ng	-0.02
86) Perylene-d12	24.54	264	537827	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	172650	45.39	ng	0.00
7) Phenol-d6	6.99	99	142054	25.61	ng	-0.01
23) Nitrobenzene-d5	8.98	82	463785	101.73	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	214249	111.05	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1119113	99.42	ng	-0.01
78) Terphenyl-d14	19.85	244	2191429	91.57	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.99	77	178	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.98	70	64346	13.607	ng	# 77
32) Benzoic acid	10.28	122	56	5.098	ng	# 1
50) 2,6-Dinitrotoluene	14.47	165	21499	7.799	ng	# 21
56) 2,4-Dinitrotoluene	14.47	165	21499	5.865	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.94	198	181	6.563	ng	# 81
66) 4-Bromophenyl-phenylether	15.95	248	13122	2.728	ng	# 1
76) Benzydine	19.85	184	36392	2.506	ng	# 92

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

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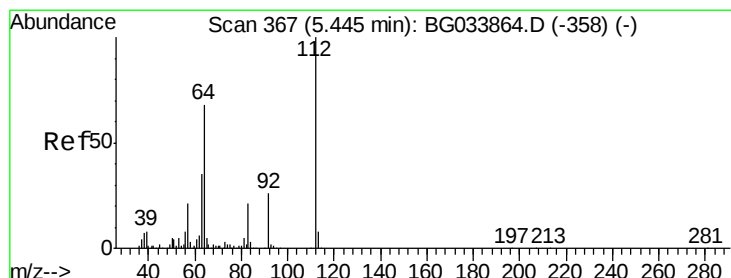
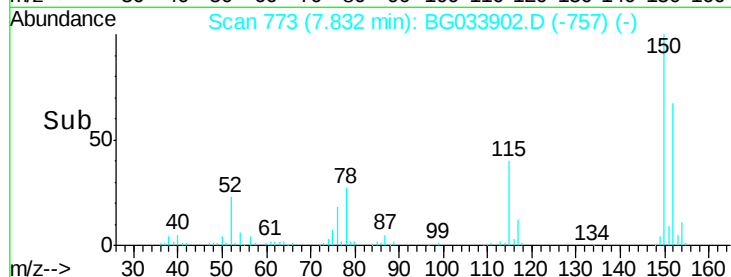
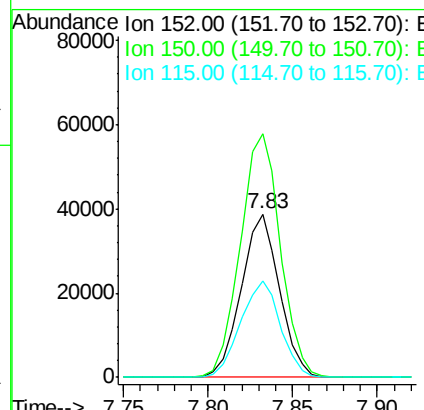
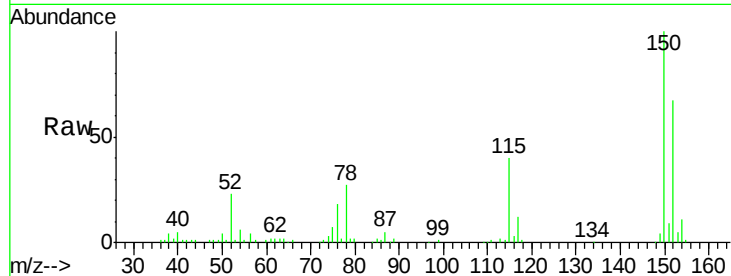


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDI-F-D-B

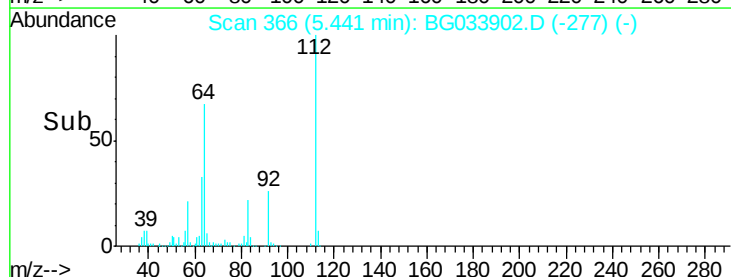
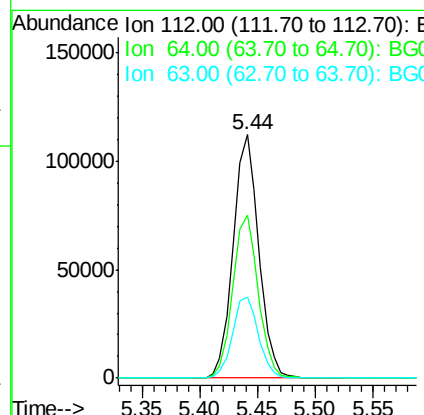
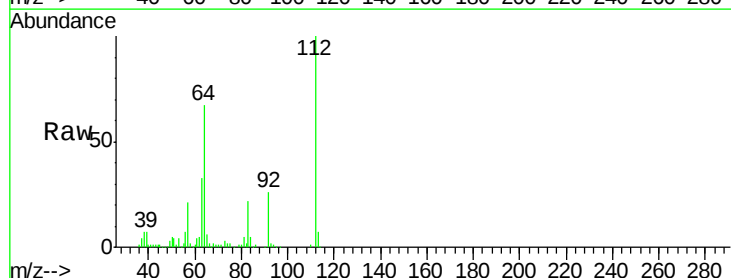
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	126.6	189.8
115	59.0	53.0	79.4

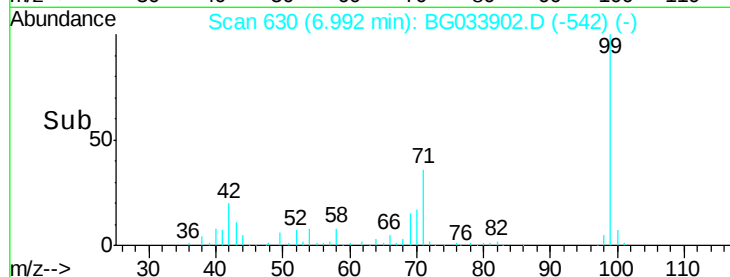
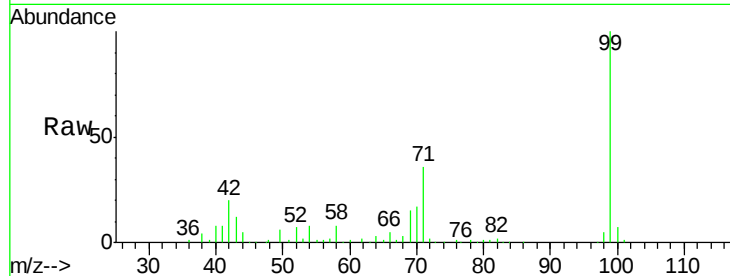
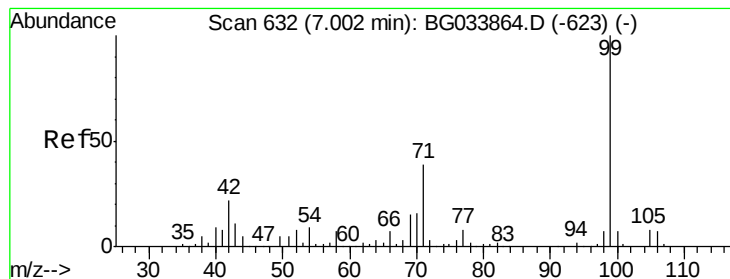


#5

2-Fluorophenol
 Concen: 45.392 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	56.3	84.5
63	33.5	30.1	45.1





#7

Phenol-d6

Concen: 25.606 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-B

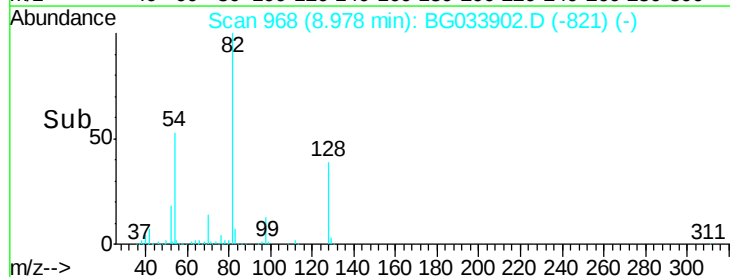
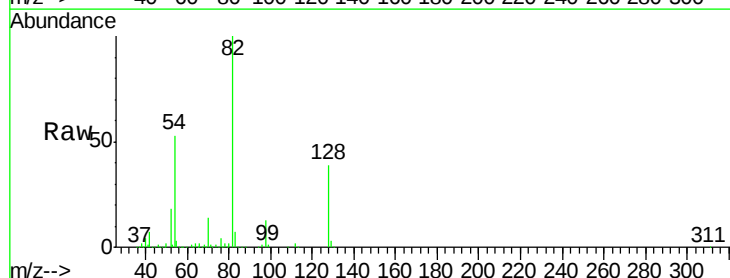
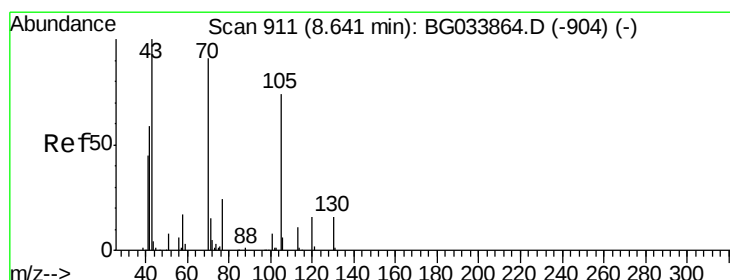
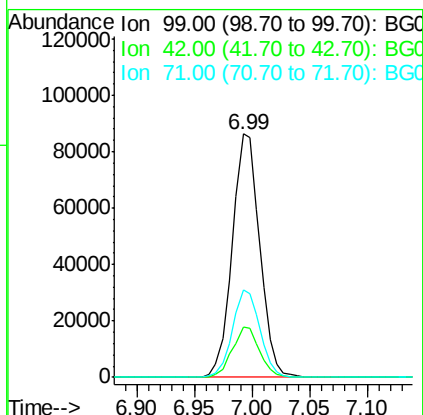
Tot Ion: 99 Resp: 142054

Ion Ratio Lower Upper

99 100

42 20.5 14.1 21.1

71 36.0 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.607 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

Tgt Ion: 70 Resp: 64346

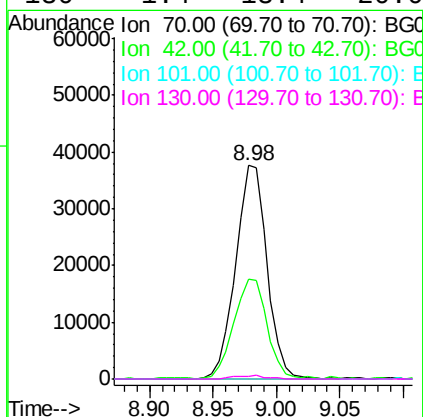
Ion Ratio Lower Upper

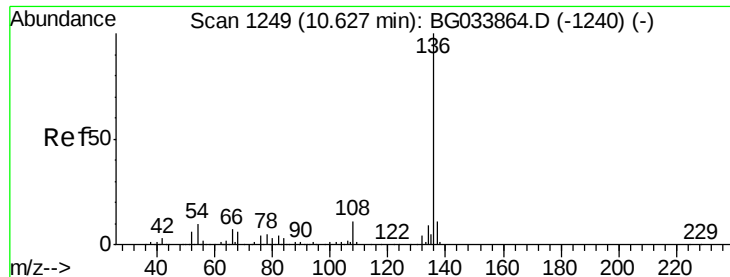
70 100

42 46.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

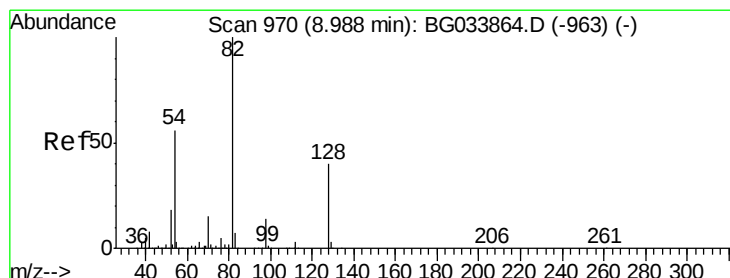
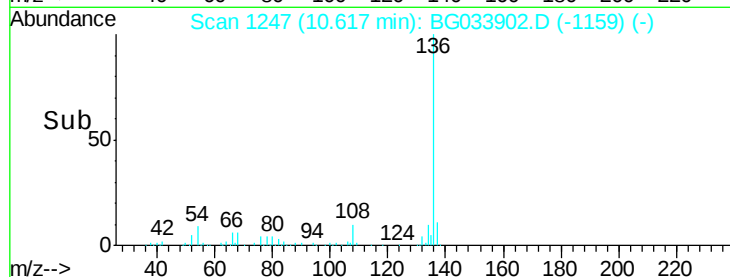
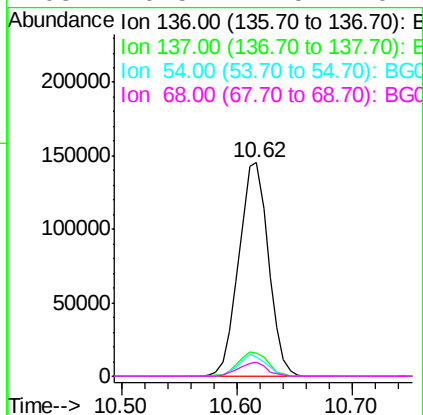
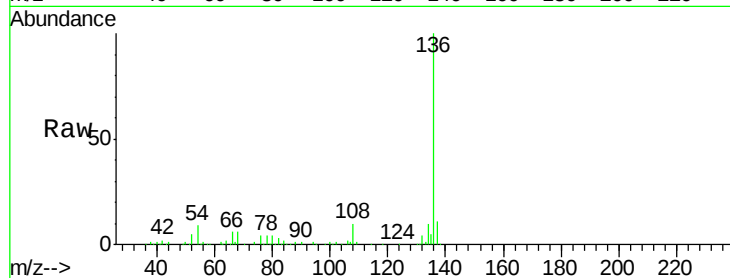




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

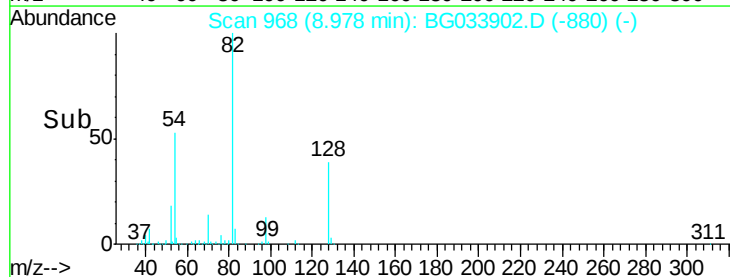
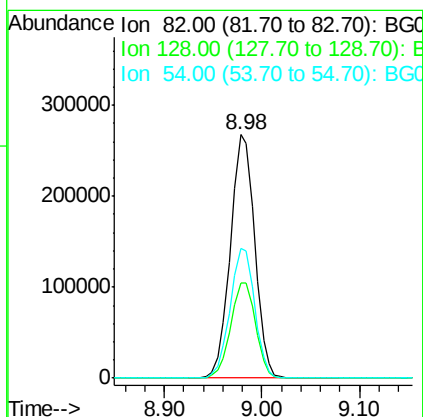
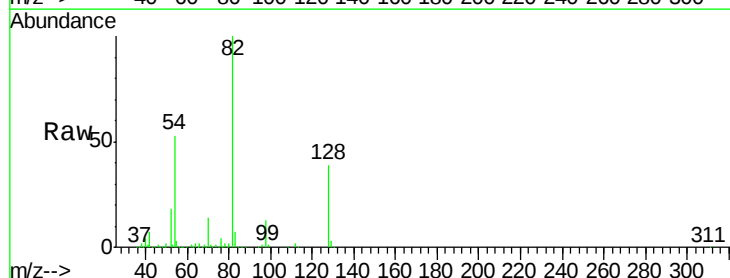
Instrument :
BNA_G
ClientSampleId :
041818-SIDI-F-D-B

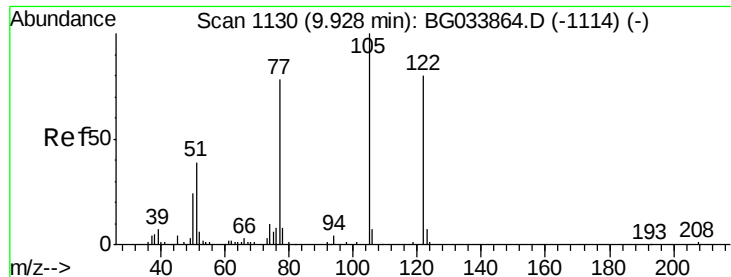
Tot Ion:136	Resp:	259442
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	8.9	10.3 15.5
68	6.5	4.5 6.7



#23
Nitrobenzene-d5
Concen: 101.733 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

Tgt Ion: 82	Resp:	463785
Ion Ratio	Lower	Upper
82	100	
128	39.3	29.7 44.5
54	53.1	43.1 64.7





#32

Benzoic acid

Concen: 5.098 ng

RT: 10.28 min Scan# 1190

Delta R.T. 0.35 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-B

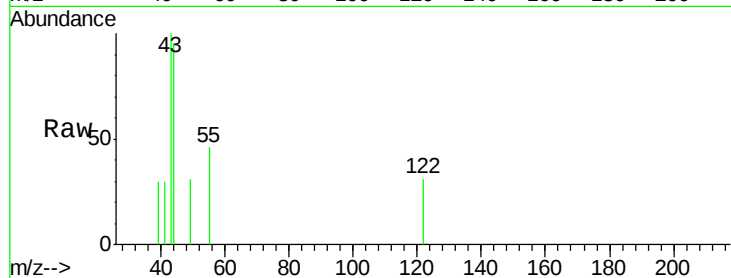
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

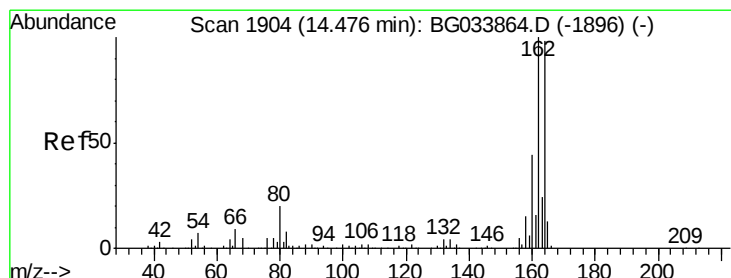
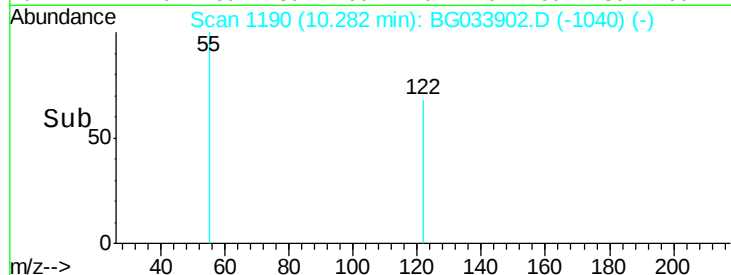
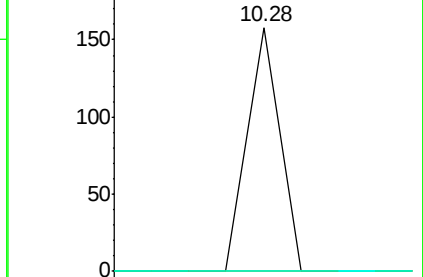
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

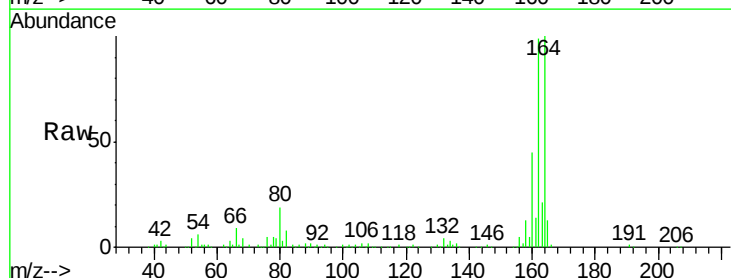
Tgt Ion:164 Resp: 165363

Ion Ratio Lower Upper

164 100

162 99.4 78.8 118.2

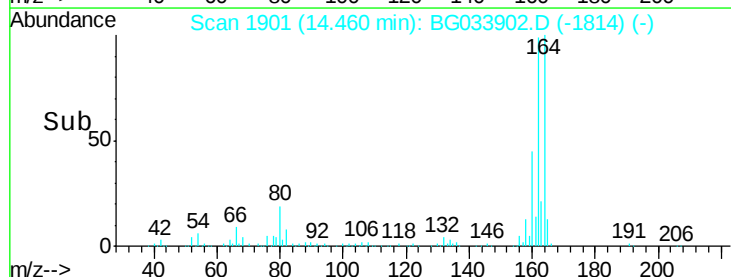
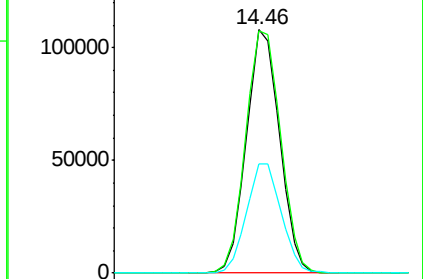
160 44.9 35.4 53.0

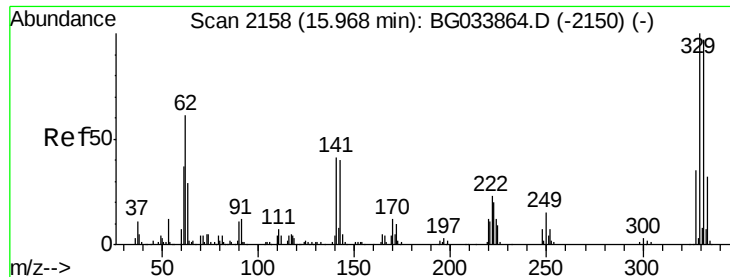


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

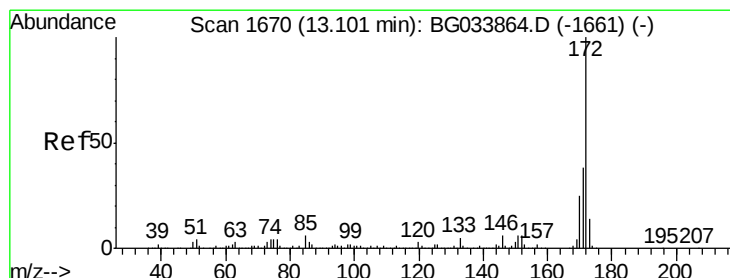
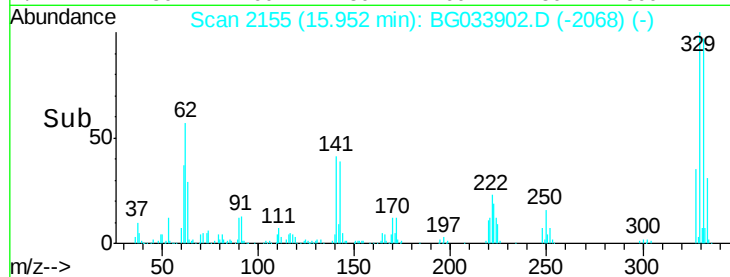
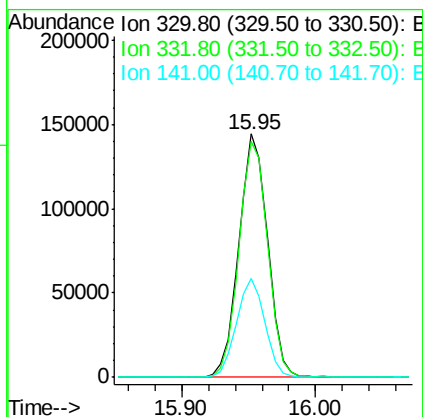
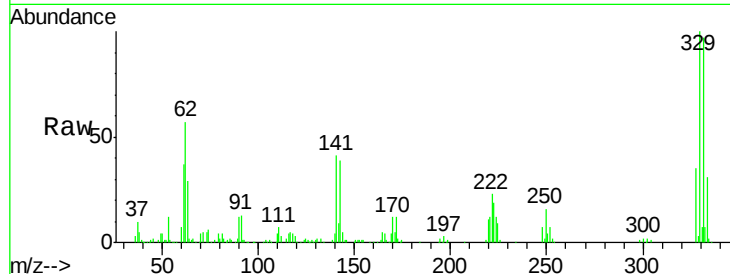




#41
 2,4,6-Tribromophenol
 Concen: 111.055 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

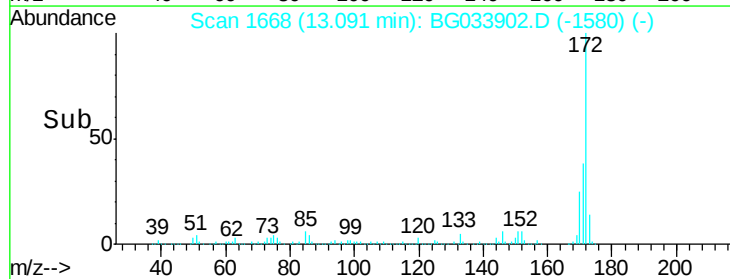
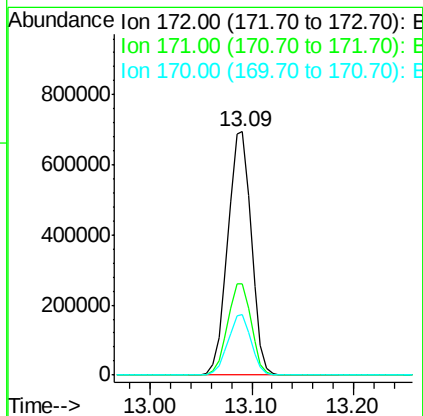
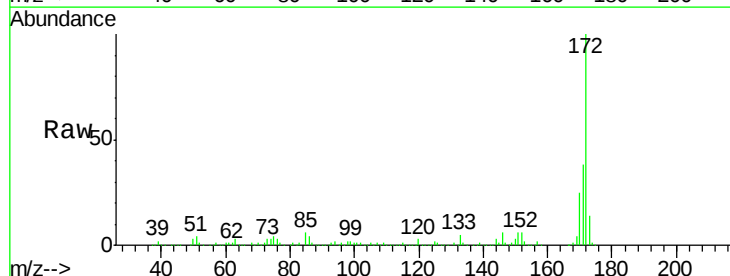
Instrument :
 BNA_G
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 041818-SIDI-F-D-B

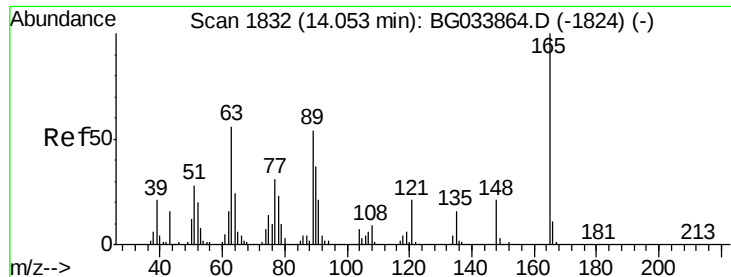
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	40.3	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 99.418 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.9	19.5	29.3

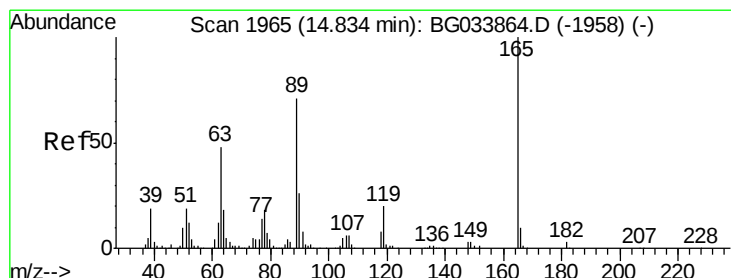
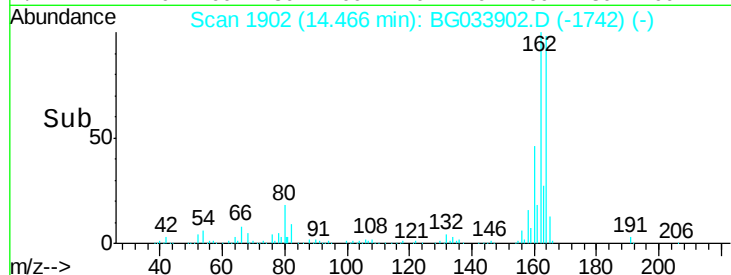
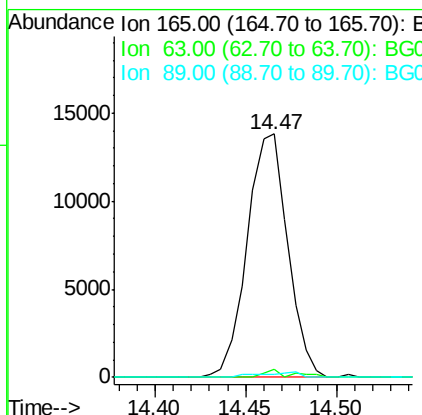
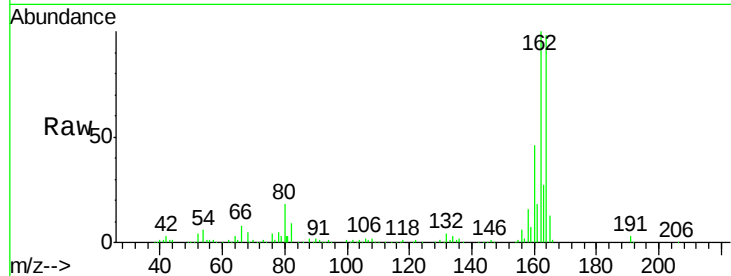




#50
 2,6-Dinitrotoluene
 Concen: 7.799 ng
 RT: 14.47 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

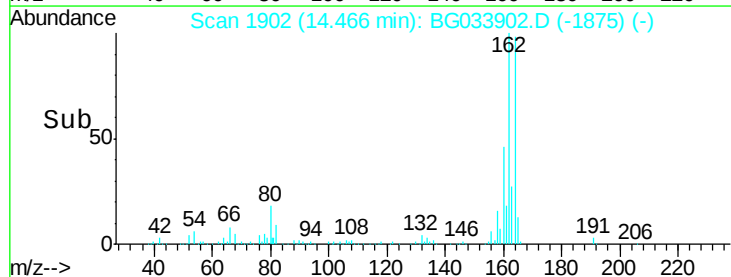
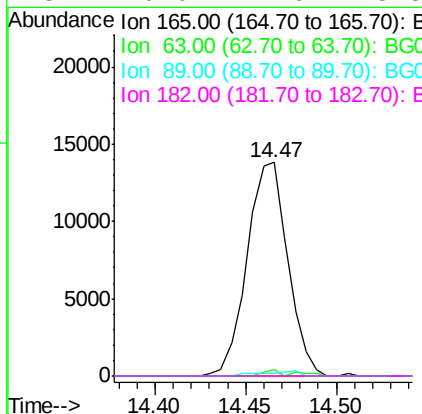
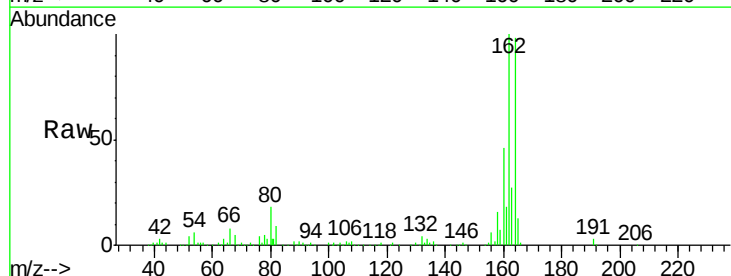
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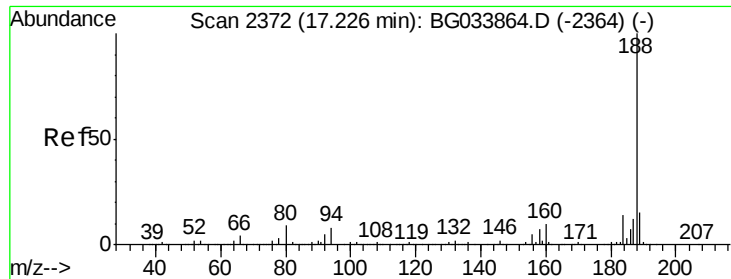
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.3	52.7	79.1#
89	1.4	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.865 ng
 RT: 14.47 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#

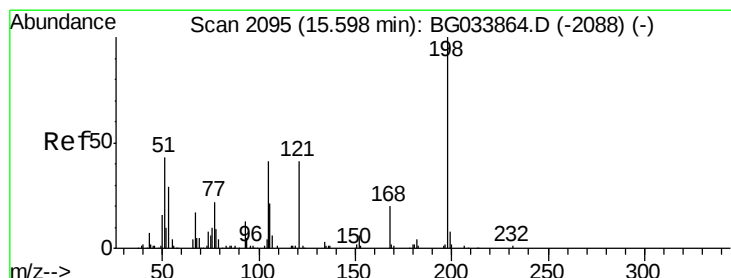
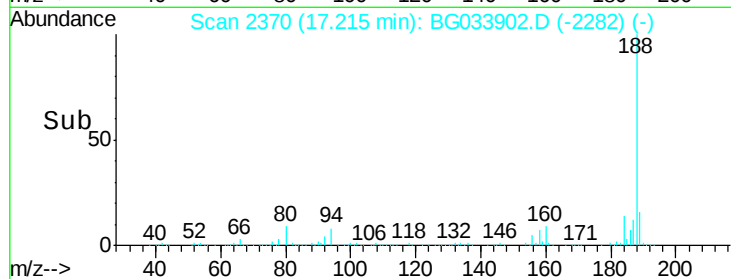
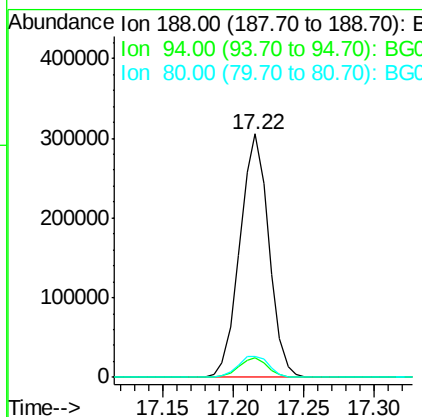
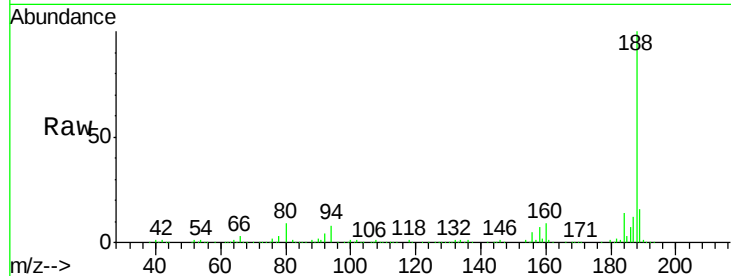




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.22 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

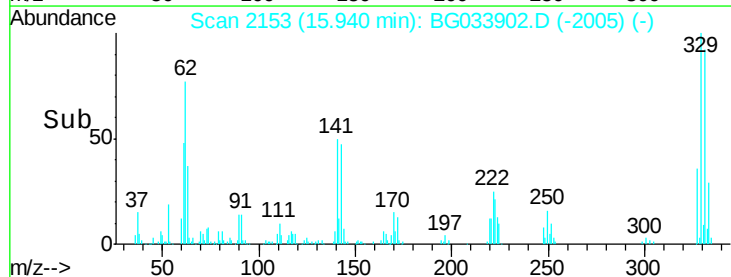
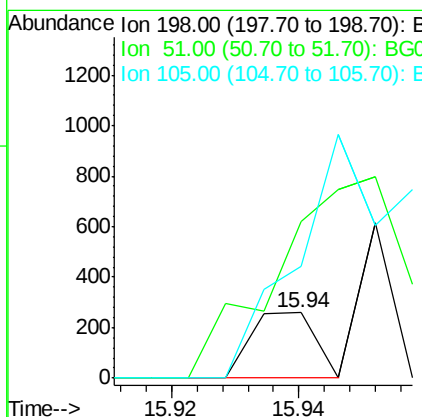
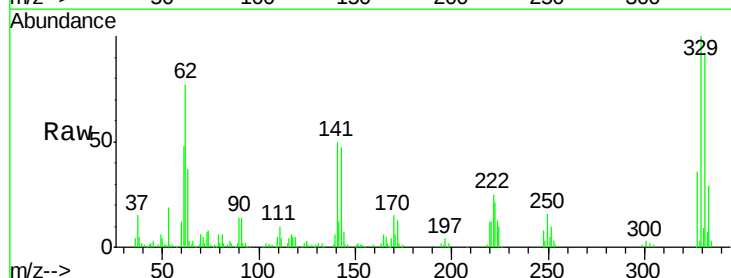
Instrument :
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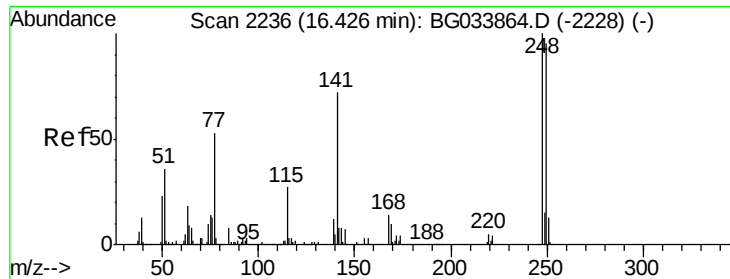
Tot Ion:188 Resp: 437958
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 8.6 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 6.563 ng
RT: 15.94 min Scan# 2153
Delta R.T. 0.34 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

Tgt Ion:198 Resp: 181
Ion Ratio Lower Upper
198 100
51 39.8 30.6 70.6
105 28.4 23.8 63.8

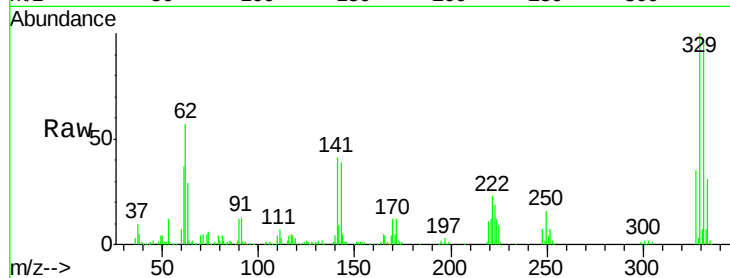




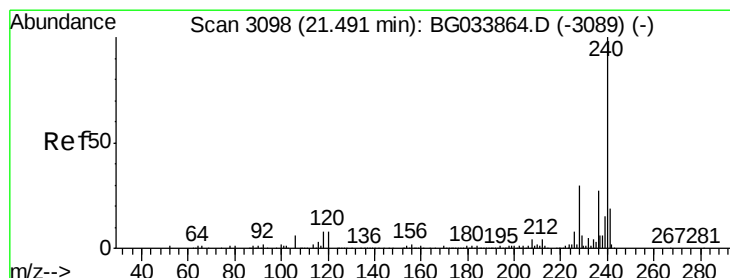
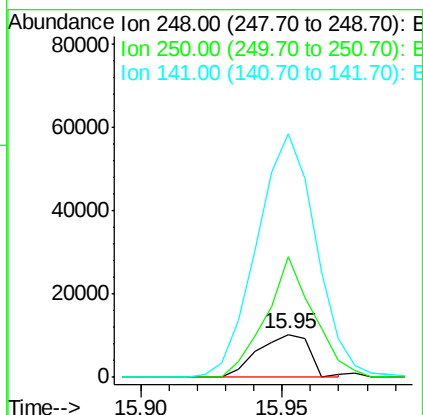
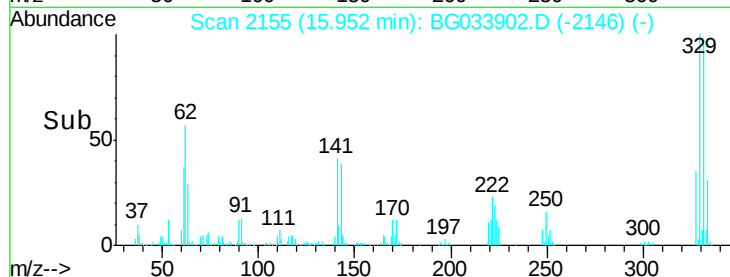
#66
4-Bromophenyl-phenylether
Concen: 2.728 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.47 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

Instrument :
BNA_G
ClientSampleId :
041818-SIDI-F-D-B

Tot Ion:248 Resp: 13122
Ion Ratio Lower Upper
248 100
250 214.1 77.1 115.7#
141 430.2 50.8 76.2#

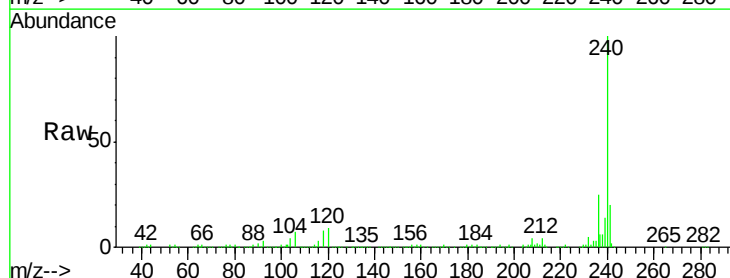


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

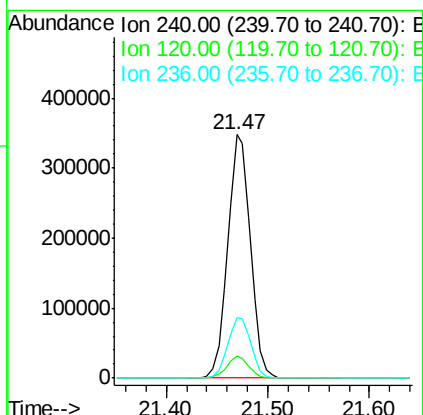
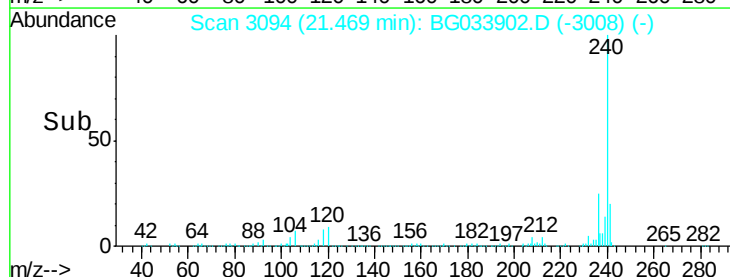


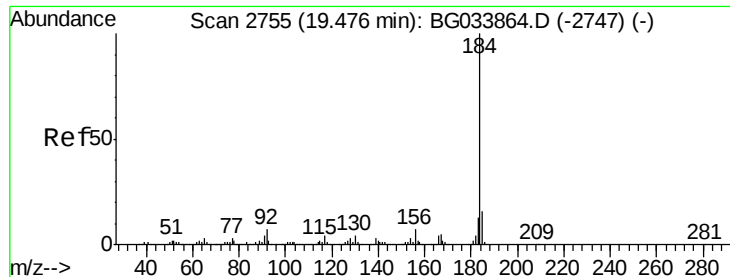
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033902.D
Acq: 21 Apr 2018 2:34

Tgt Ion:240 Resp: 537671
Ion Ratio Lower Upper
240 100
120 8.9 6.8 10.2
236 25.1 20.9 31.3



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





#76

Benzidine

Concen: 2.506 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.38 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-B

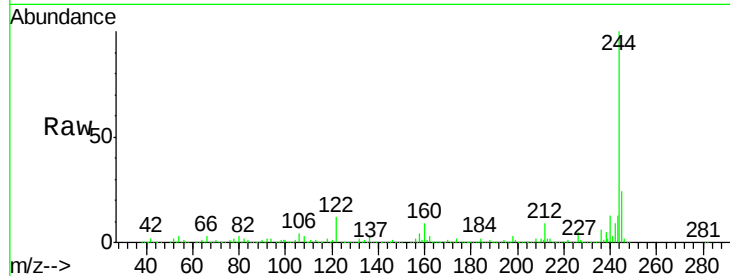
Tot Ion:184 Resp: 36392

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

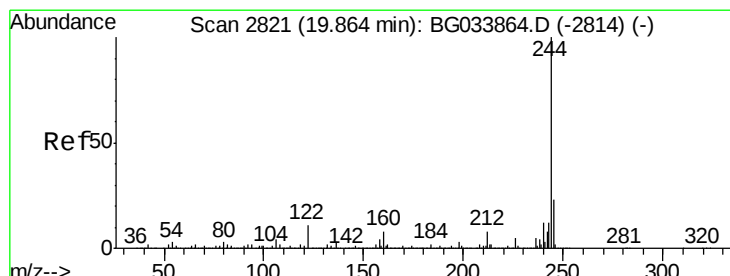
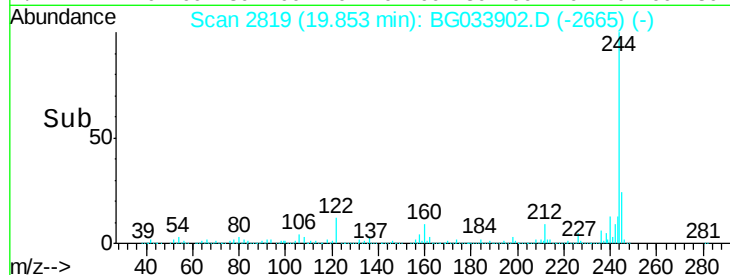
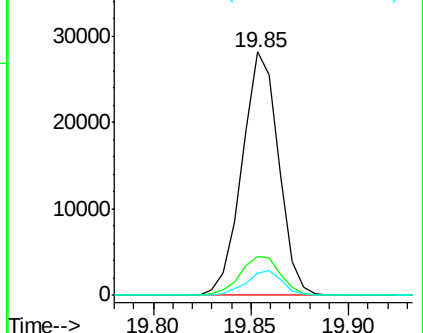
183 9.3 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 91.567 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033902.D

Acq: 21 Apr 2018 2:34

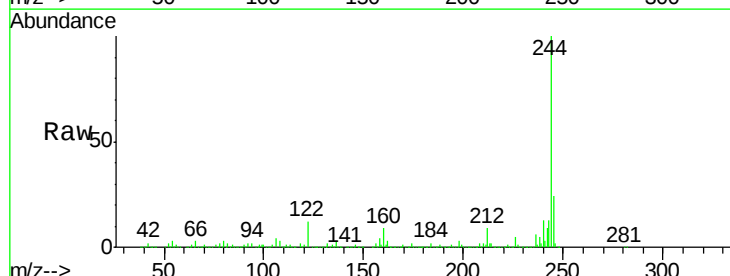
Tgt Ion:244 Resp: 2191429

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

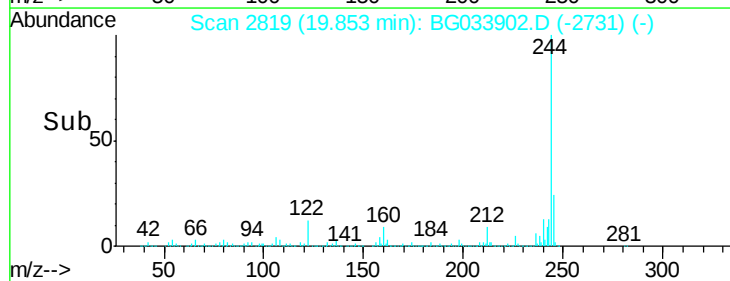
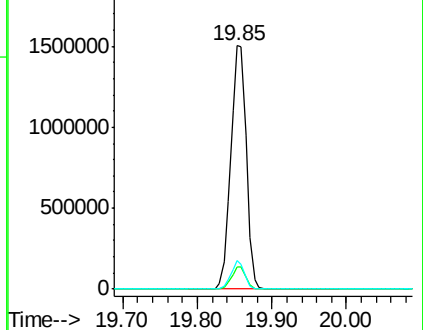
122 11.5 7.0 10.4#

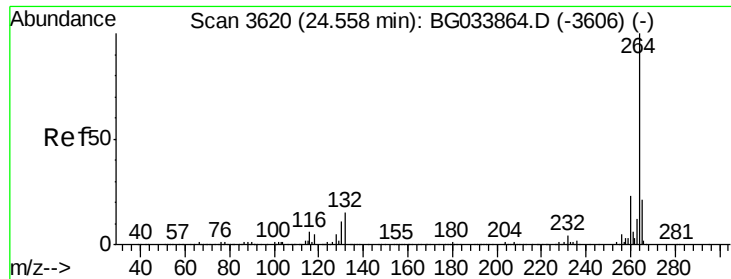


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.54 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: BG033902.D
 Acq: 21 Apr 2018 2:34

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDI-F-D-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.3	17.7	26.5

