

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033903.D
 Acq On : 21 Apr 2018 3:12
 Operator : SJ/JU
 Sample : J2473-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Apr 21 05:19:27 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

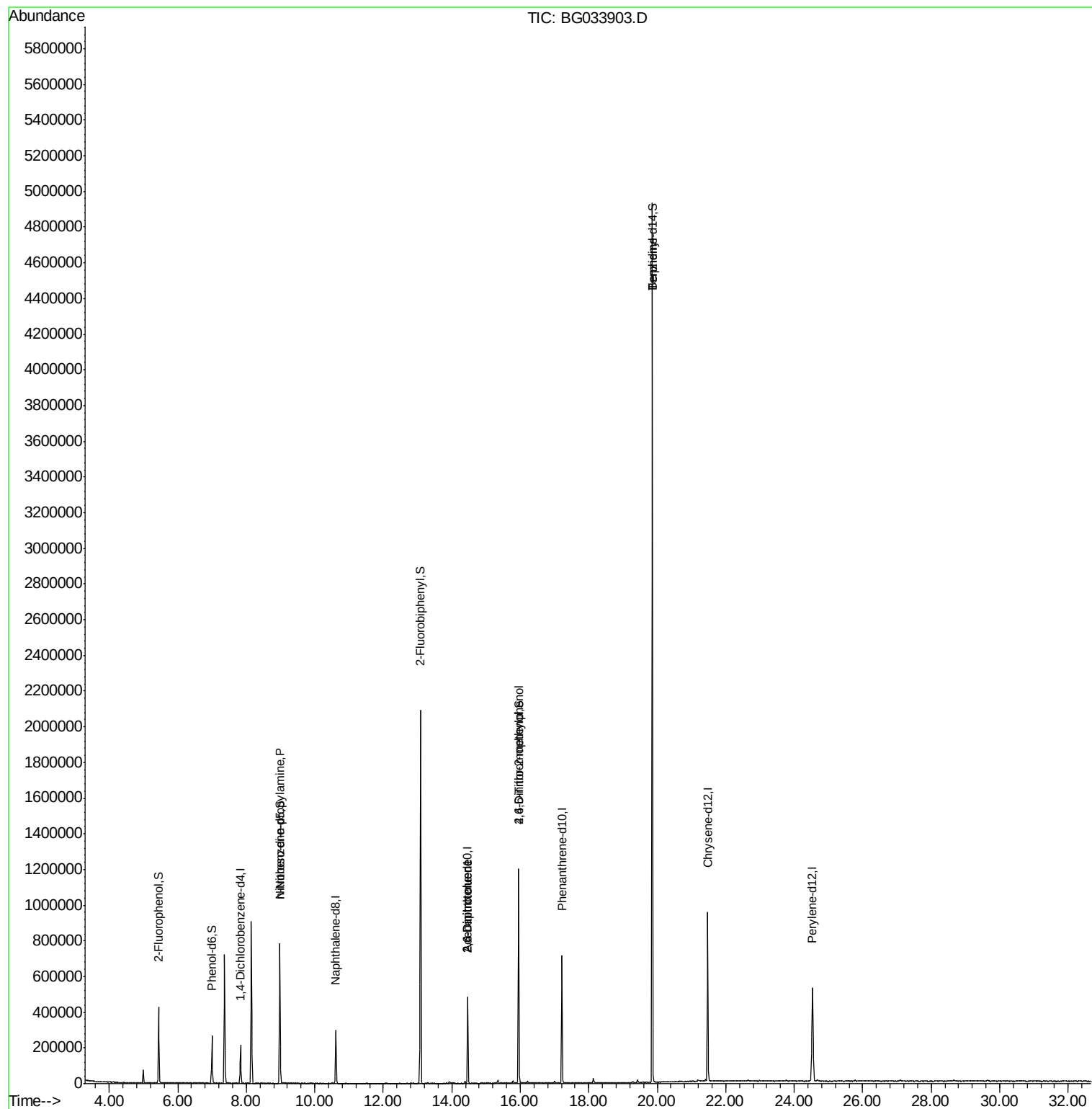
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	58254	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	247450	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	158996	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	439862	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	535290	20.00	ng	-0.02
86) Perylene-d12	24.53	264	539377	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	175892	48.21	ng	0.00
7) Phenol-d6	7.00	99	144660	27.18	ng	0.00
23) Nitrobenzene-d5	8.98	82	455018	104.65	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	215970	116.43	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1095878	101.25	ng	-0.01
78) Terphenyl-d14	19.86	244	2272123	95.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.99	77	158	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.98	70	62862	13.857 ng	#	78
50) 2,6-Dinitrotoluene	14.46	165	20287	7.654 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	20287	5.756 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.95	198	1733	7.197 ng		80
76) Benzidine	19.86	184	39107	2.705 ng	#	92

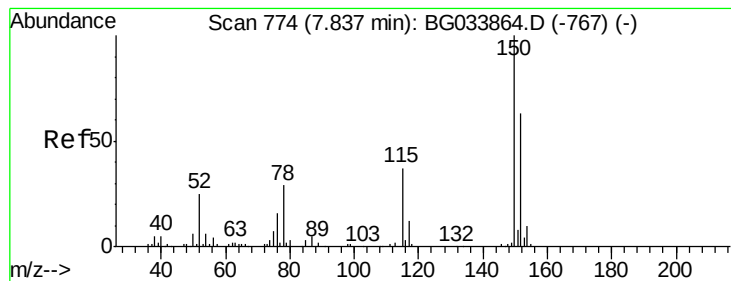
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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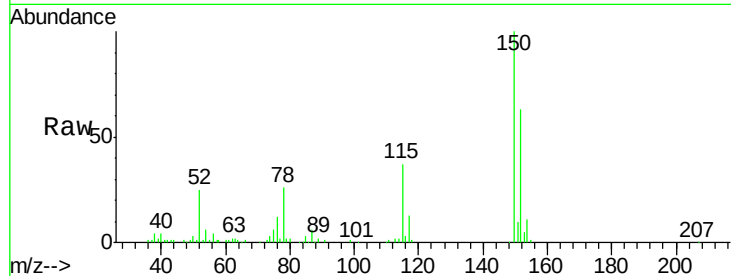


#1

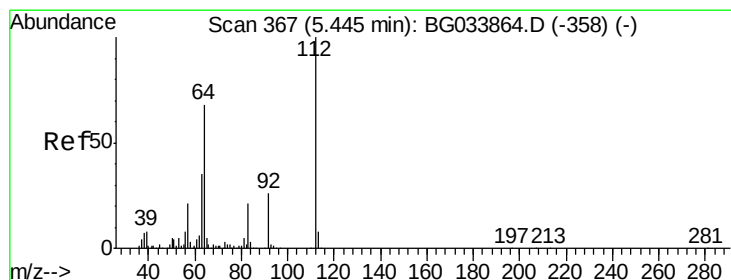
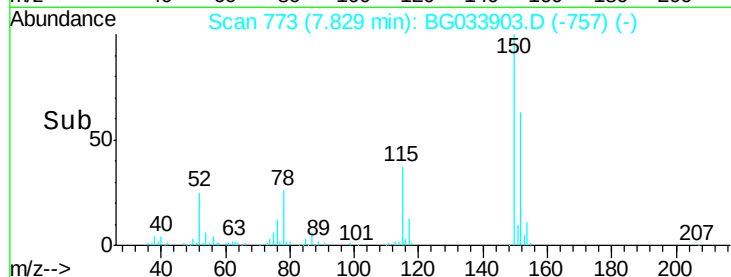
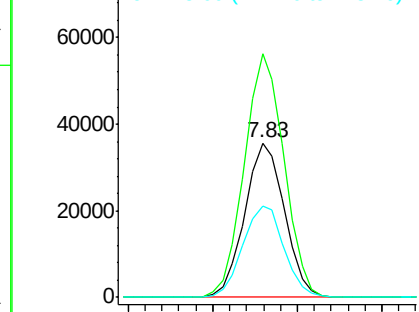
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033903.D
Acq: 21 Apr 2018 3:12

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.6	189.8
115	58.7	53.0	79.4



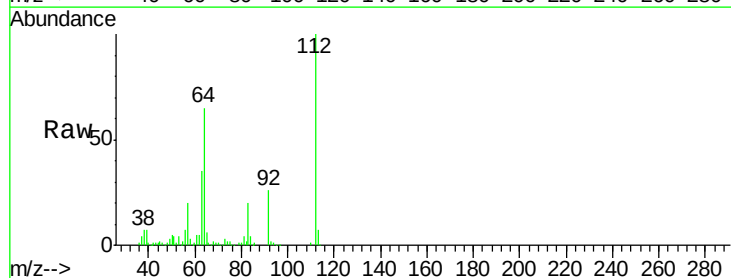
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



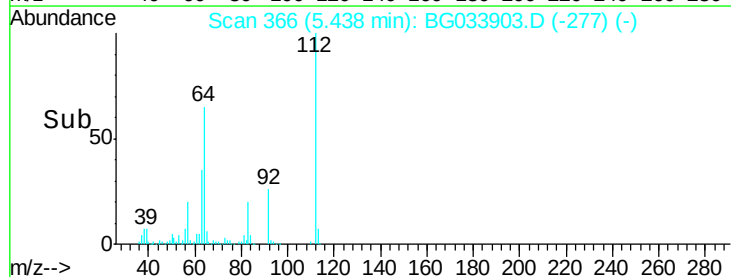
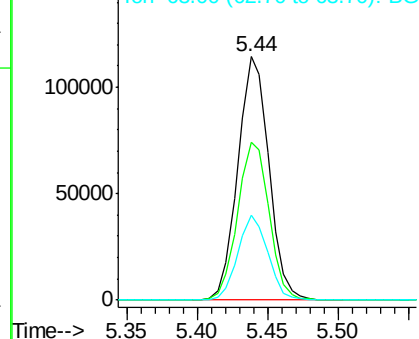
#5

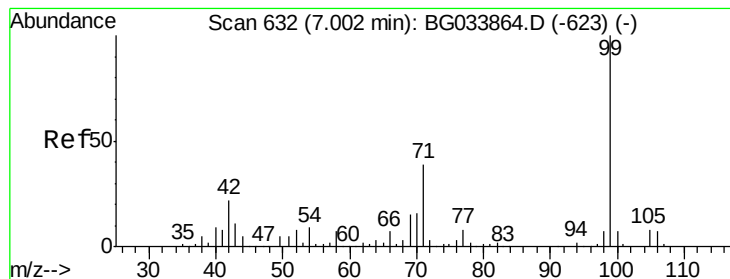
2-Fluorophenol
Concen: 48.206 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033903.D
Acq: 21 Apr 2018 3:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	56.3	84.5
63	35.0	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.182 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-M

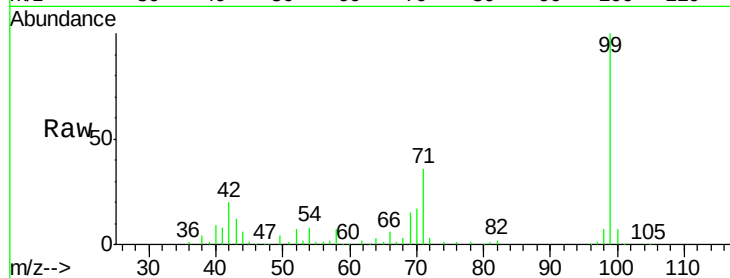
Tot Ion: 99 Resp: 144660

Ion Ratio Lower Upper

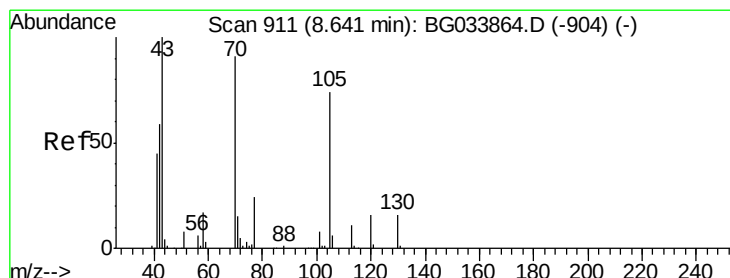
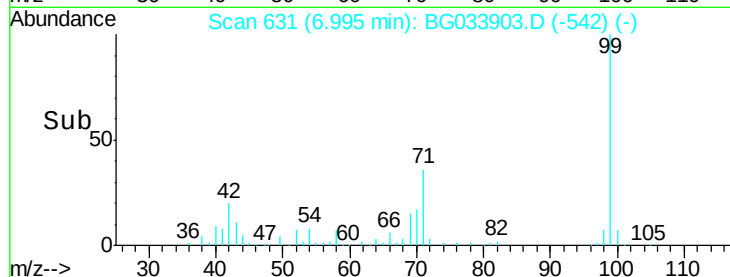
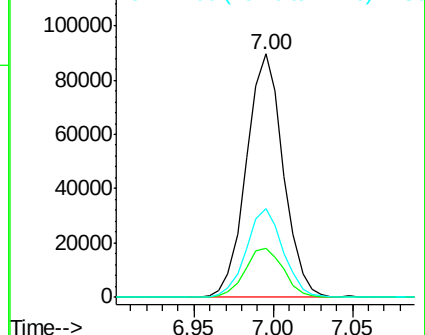
99 100

42 20.1 14.1 21.1

71 36.5 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.857 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Tgt Ion: 70 Resp: 62862

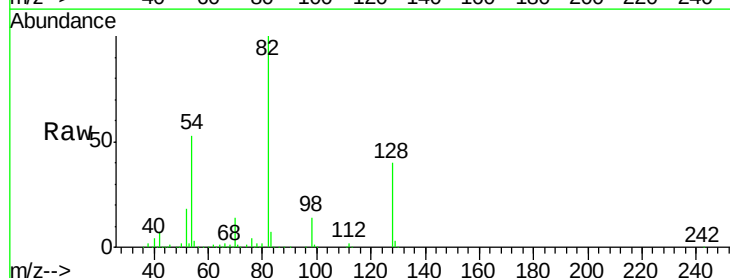
Ion Ratio Lower Upper

70 100

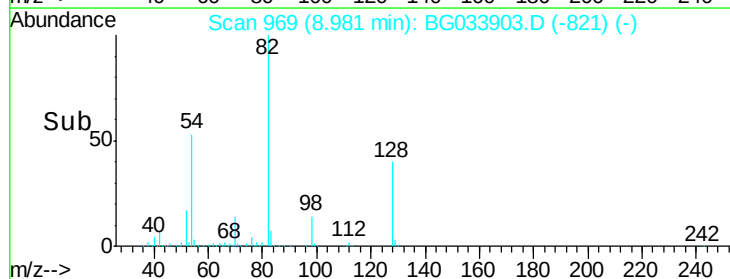
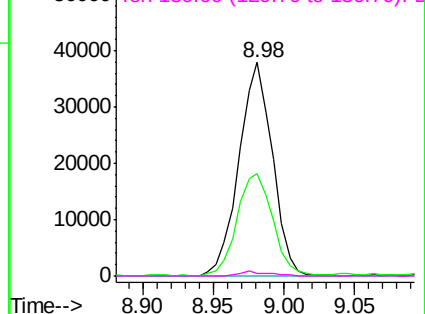
42 47.9 49.1 73.7#

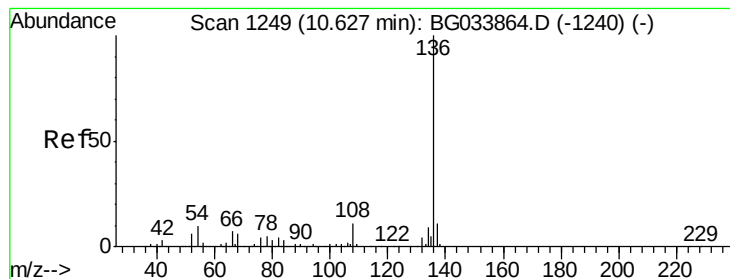
101 0.0 8.5 12.7#

130 1.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-M

Tot Ion:136 Resp: 247450

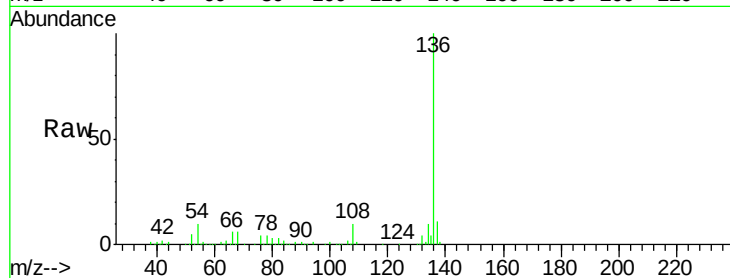
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 9.8 10.3 15.5#

68 6.4 4.5 6.7

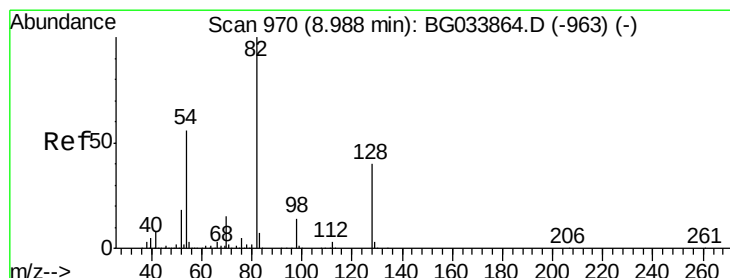
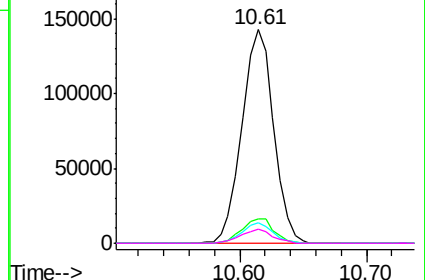
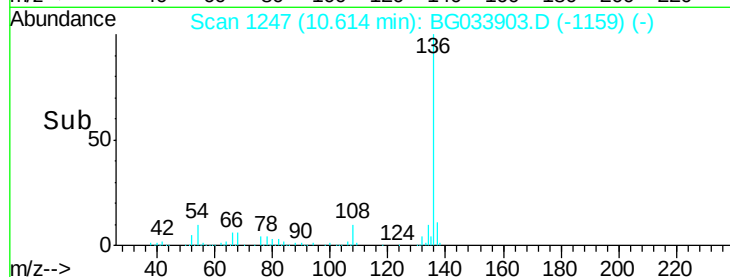


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 104.647 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

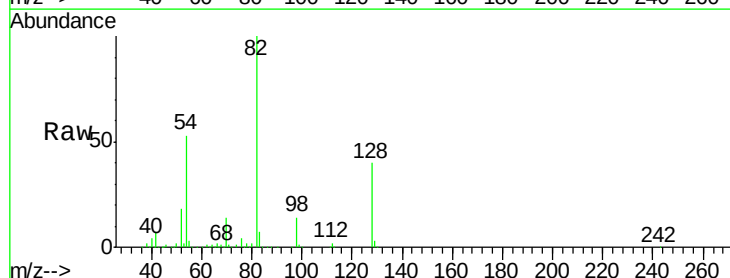
Tgt Ion: 82 Resp: 455018

Ion Ratio Lower Upper

82 100

128 39.7 29.7 44.5

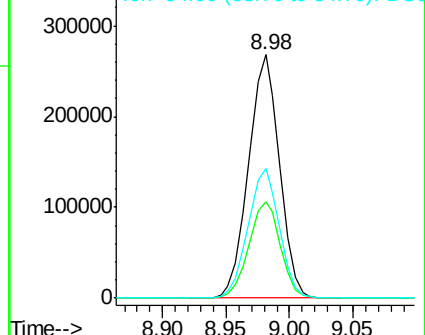
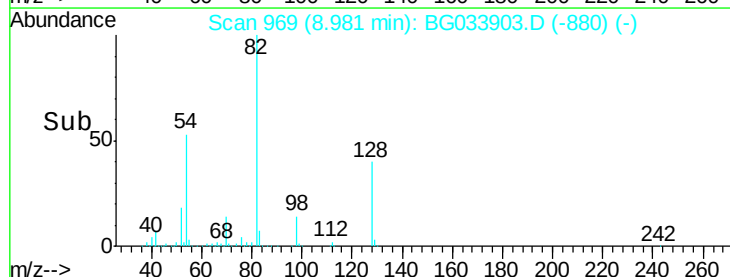
54 53.1 43.1 64.7

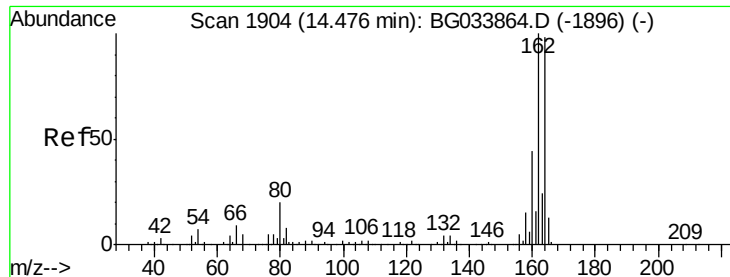


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

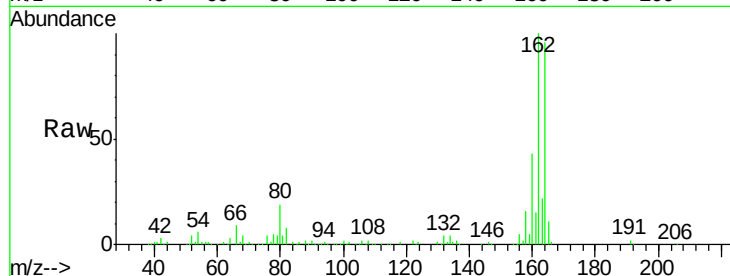
BNA_G

ClientSampleId :

041818-SIDI-F-D-M

Tot Ion:164 Resp: 158996

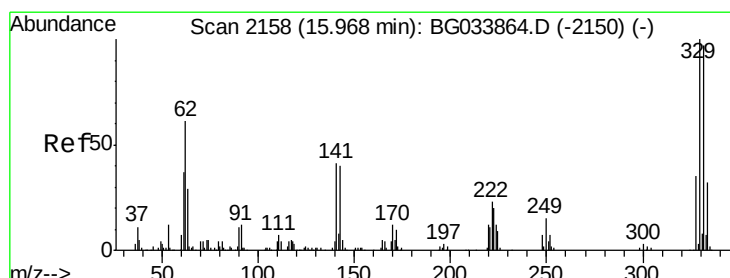
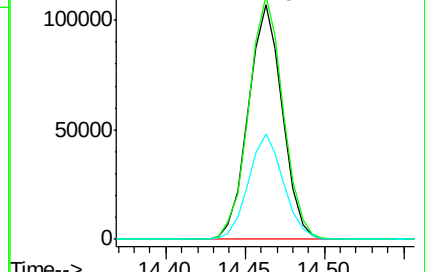
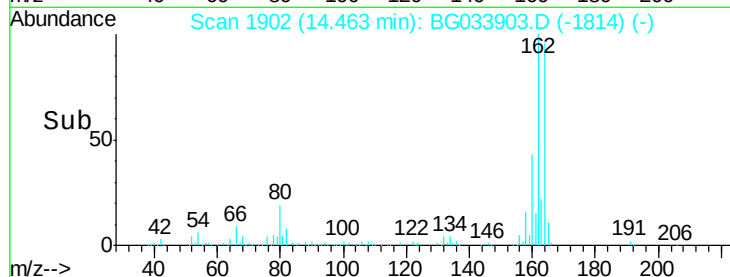
Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	45.0	35.4	53.0



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: 116.429 ng

RT: 15.96 min Scan# 2156

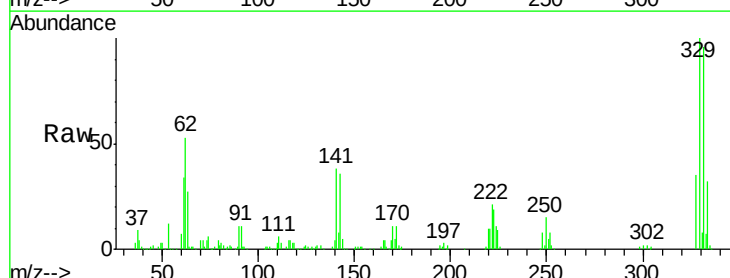
Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Tgt Ion:330 Resp: 215970

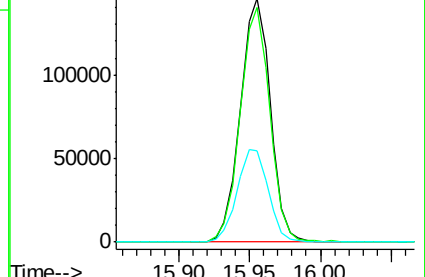
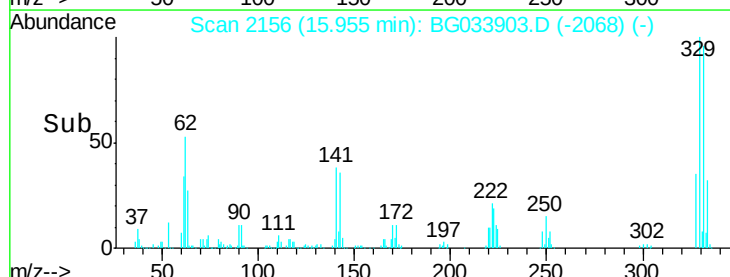
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	39.6	25.2	37.8

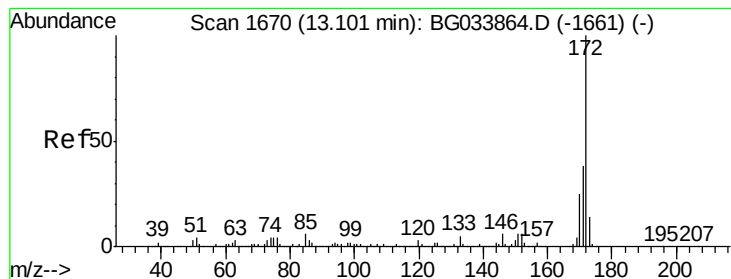


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 101.252 ng

RT: 13.09 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-M

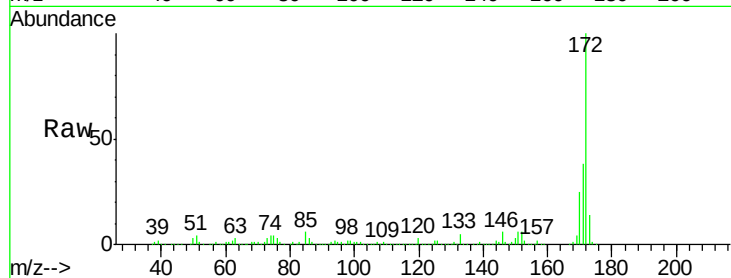
Tot Ion:172 Resp: 1095878

Ion Ratio Lower Upper

172 100

171 38.2 30.0 45.0

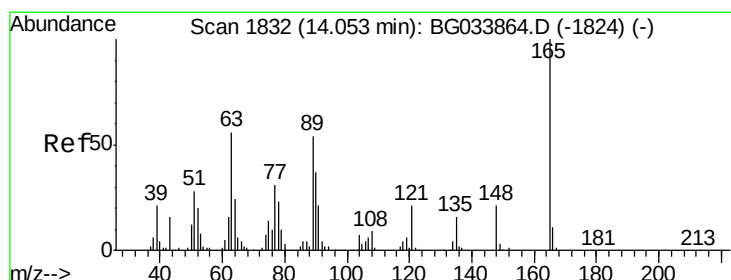
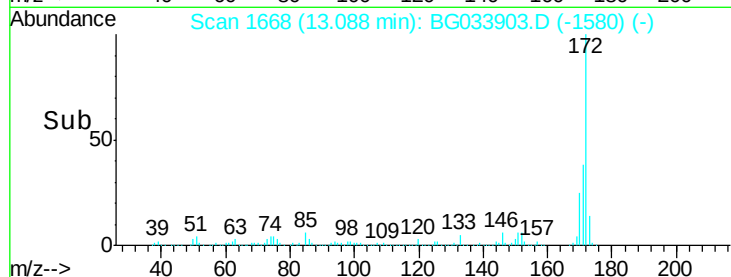
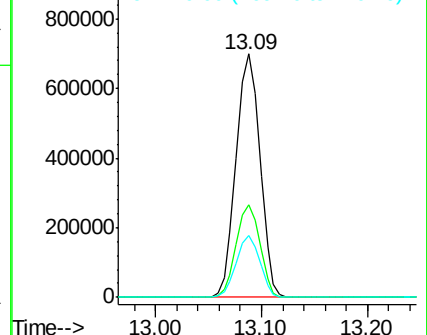
170 25.2 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 7.654 ng

RT: 14.46 min Scan# 1902

Delta R.T. 0.41 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

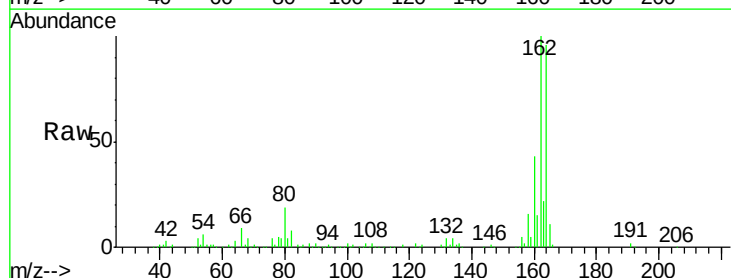
Tgt Ion:165 Resp: 20287

Ion Ratio Lower Upper

165 100

63 2.1 52.7 79.1#

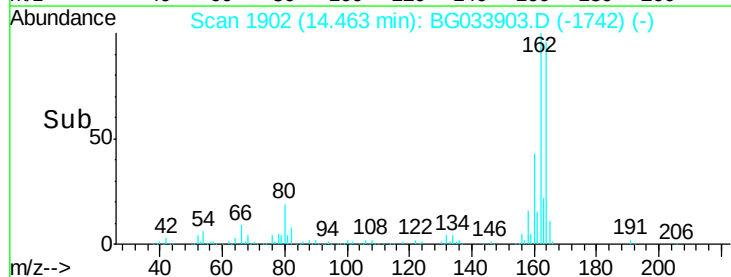
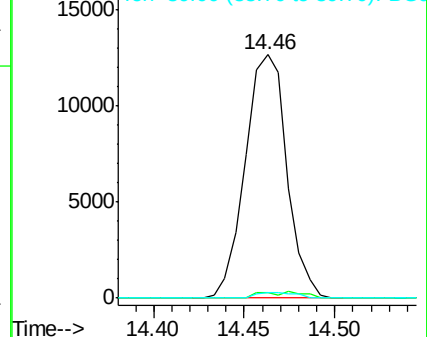
89 2.2 49.2 73.8#

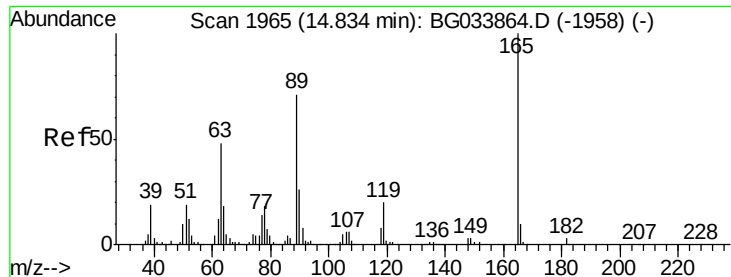


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

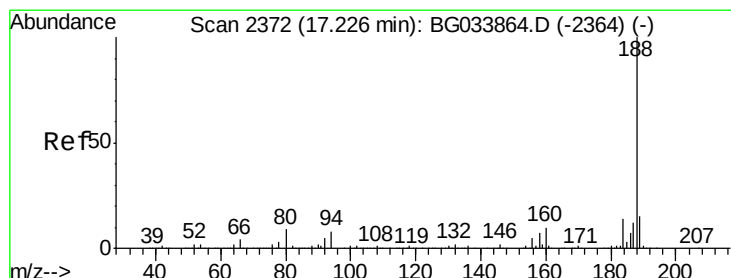
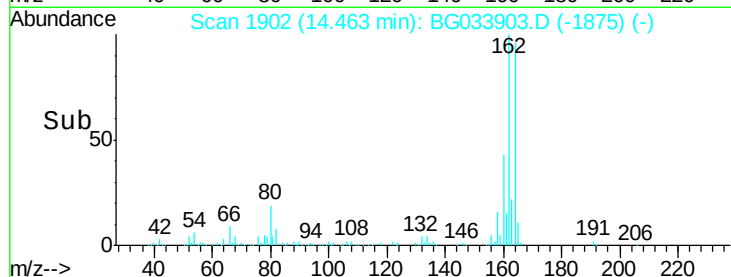
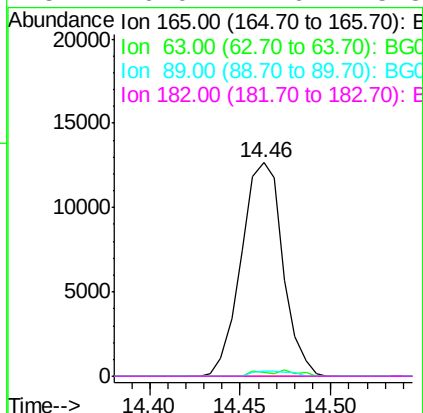
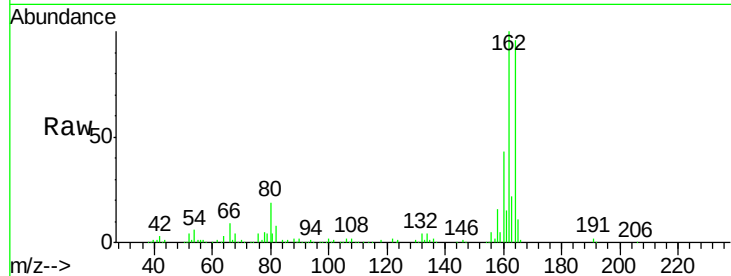




#56
 2,4-Dinitrotoluene
 Concen: 5.756 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033903.D
 Acq: 21 Apr 2018 3:12

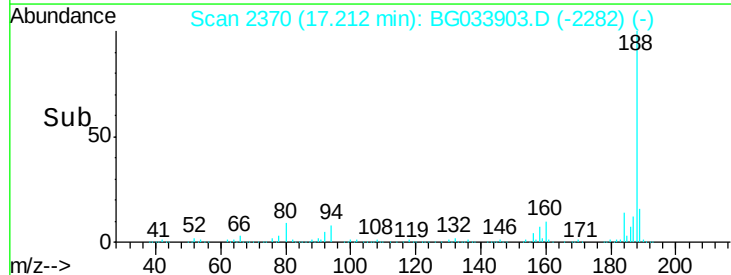
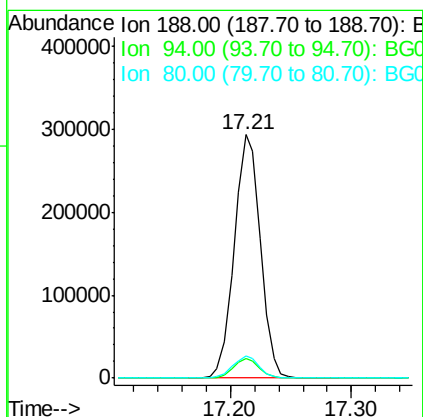
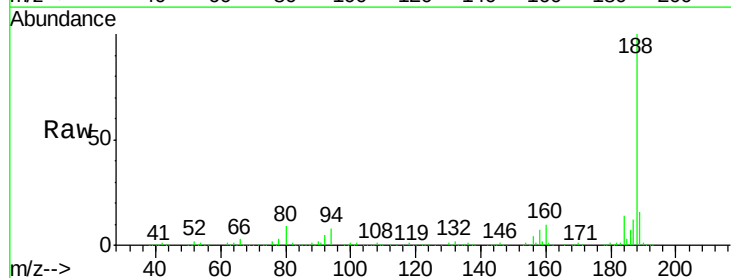
Instrument :
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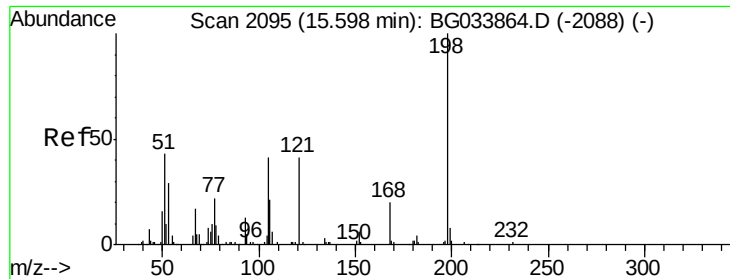
Tot Ion:	165	Resp:	20287
Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033903.D
 Acq: 21 Apr 2018 3:12

Tgt Ion:	188	Resp:	439862
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.3	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 7.197 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-M

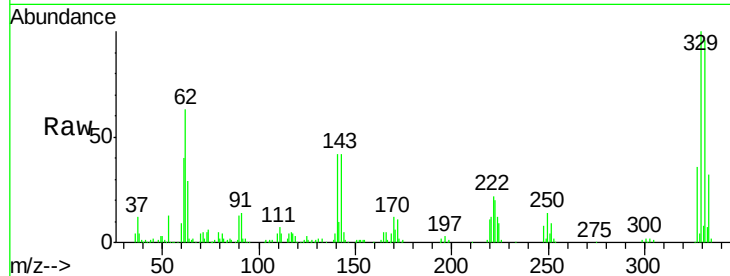
Tot Ion:198 Resp: 1733

Ion Ratio Lower Upper

198 100

51 40.2 30.6 70.6

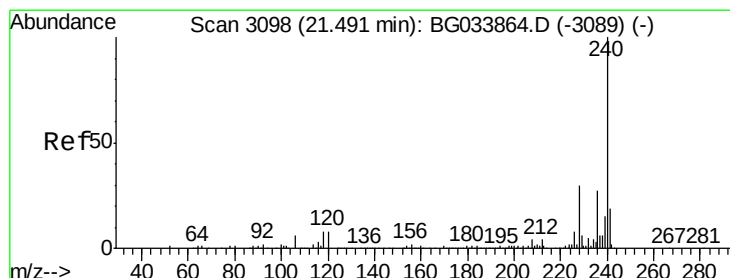
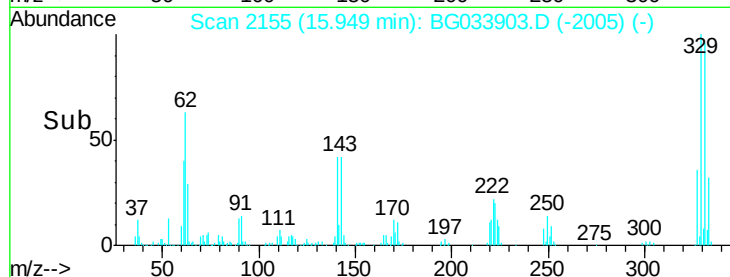
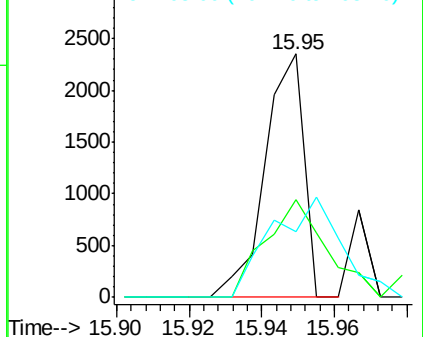
105 26.7 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

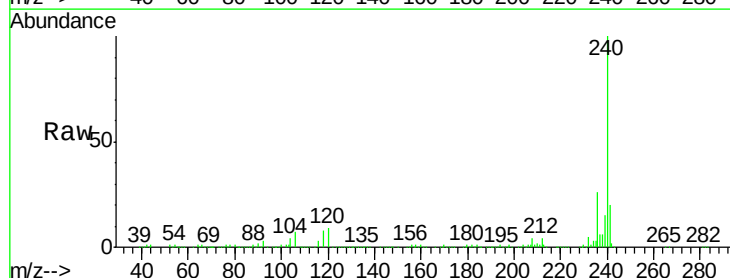
Tgt Ion:240 Resp: 535290

Ion Ratio Lower Upper

240 100

120 8.7 6.8 10.2

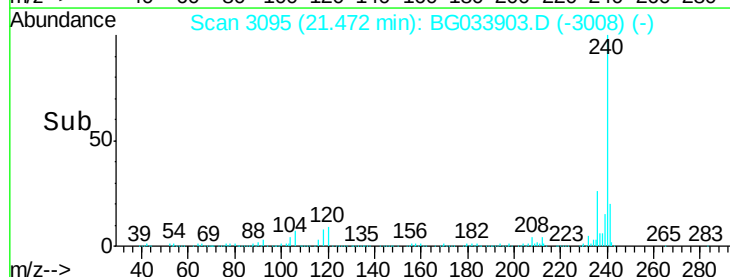
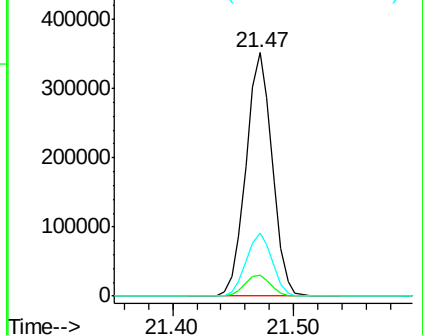
236 26.0 20.9 31.3

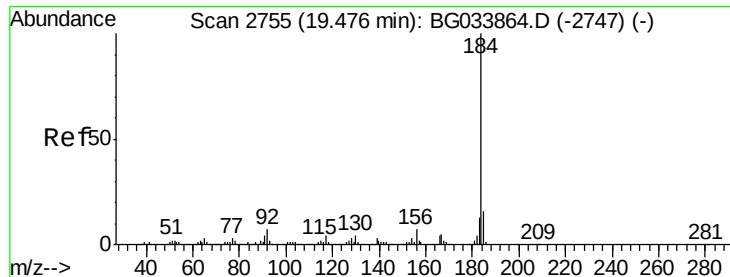


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.705 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-D-M

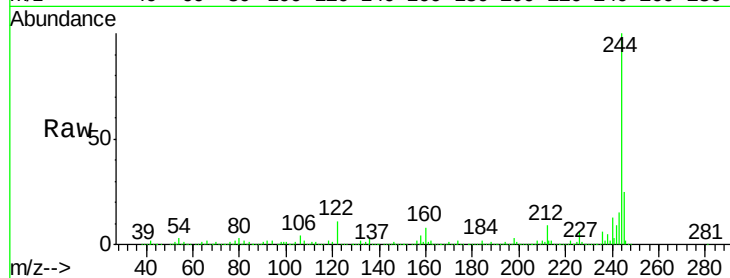
Tot Ion:184 Resp: 39107

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

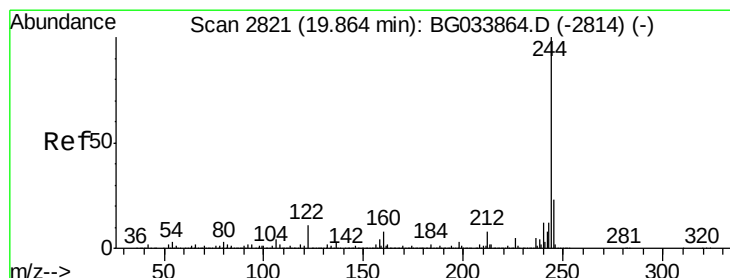
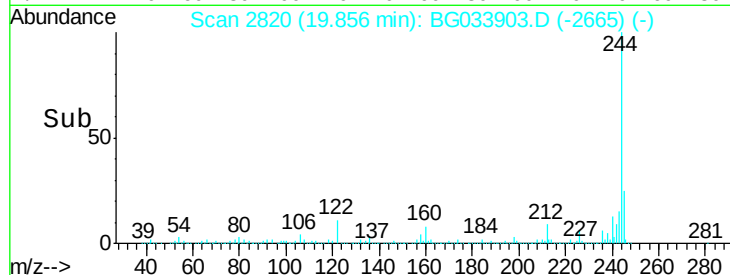
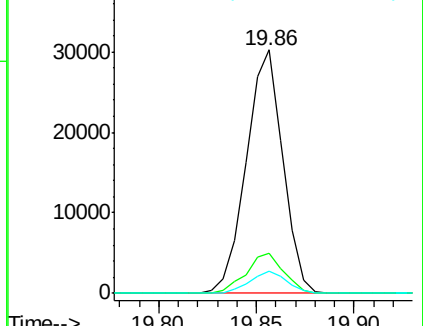
183 9.1 10.6 16.0#



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: 95.361 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033903.D

Acq: 21 Apr 2018 3:12

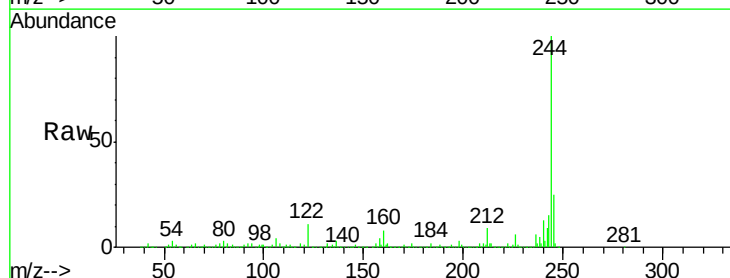
Tgt Ion:244 Resp: 2272123

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

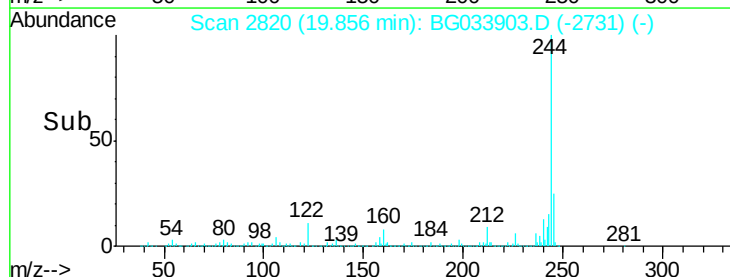
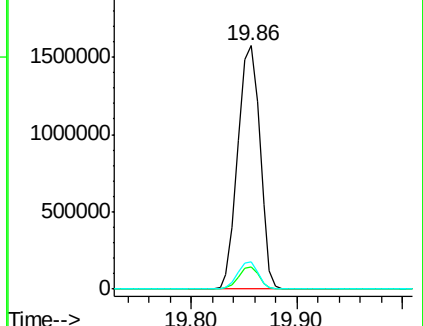
122 11.0 7.0 10.4#

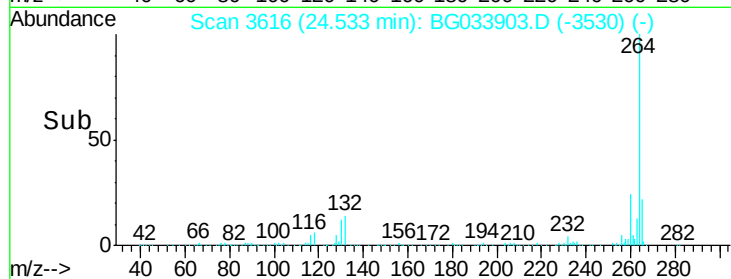
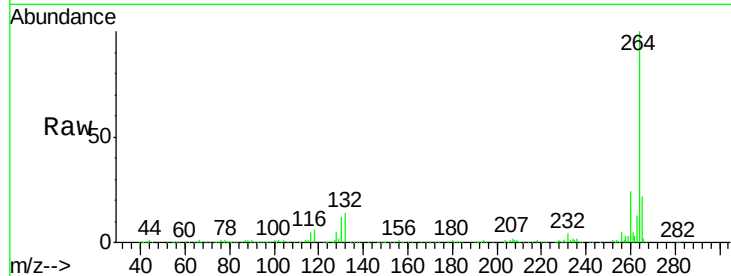
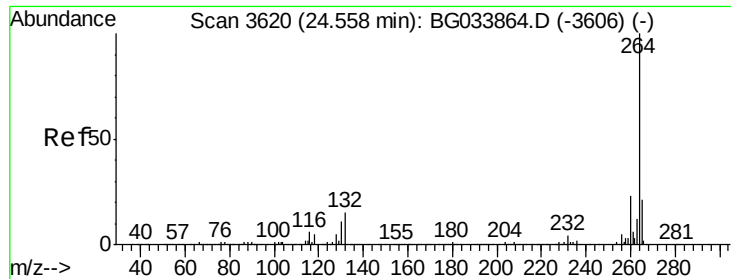


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.53 min Scan# 3616
Delta R.T. -0.02 min
Lab File: BG033903.D
Acq: 21 Apr 2018 3:12

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.6	17.7	26.5

