

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033905.D
 Acq On : 21 Apr 2018 4:27
 Operator : SJ/JU
 Sample : J2473-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Apr 21 05:19:56 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

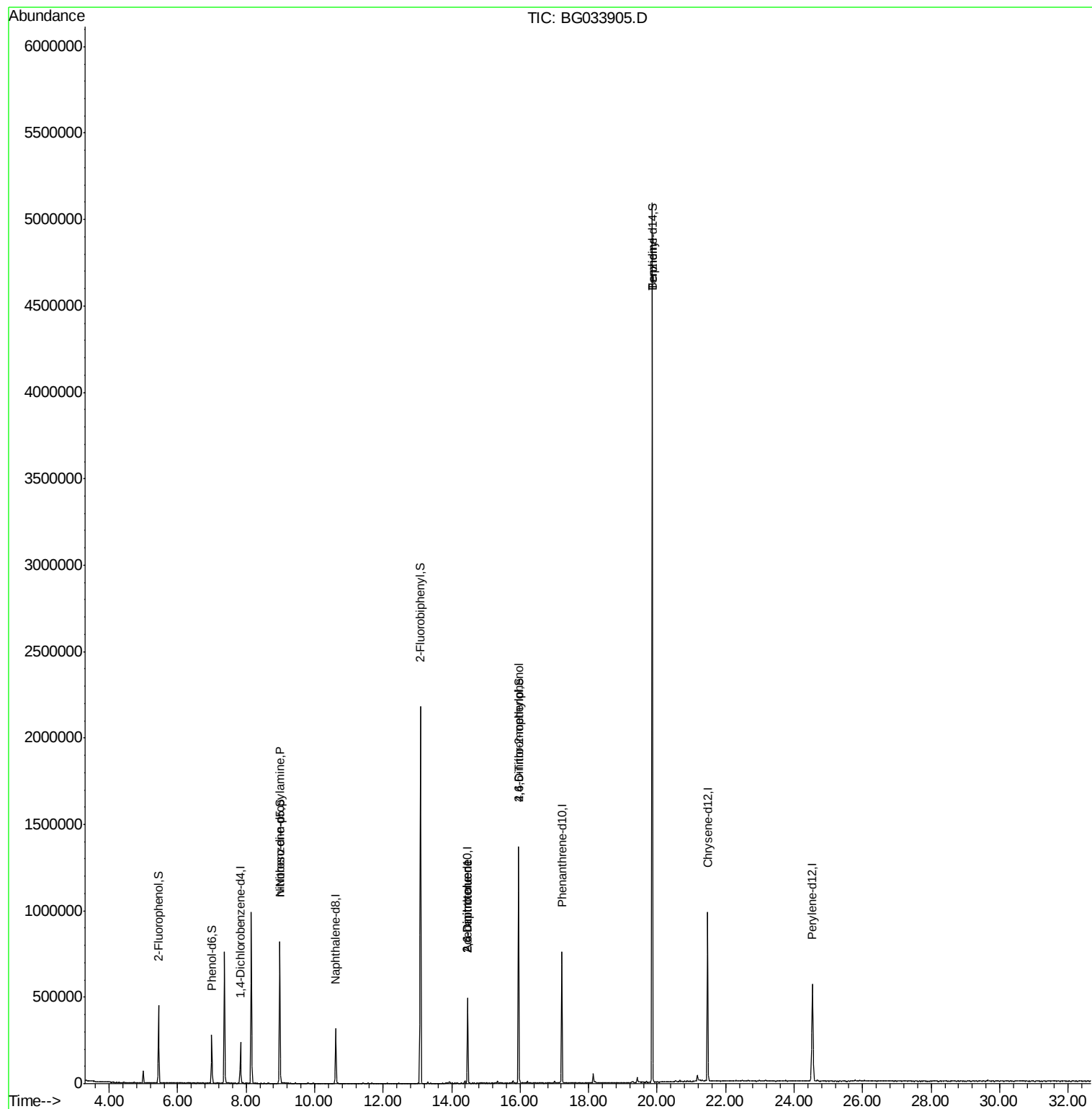
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	63275	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	268491	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	173827	20.00	ng	-0.02
63) Phenanthrene-d10	17.22	188	463926	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	556748	20.00	ng	-0.02
86) Perylene-d12	24.54	264	555809	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	188486	47.56	ng	0.00
7) Phenol-d6	6.99	99	156900	27.14	ng	-0.01
23) Nitrobenzene-d5	8.98	82	489482	103.75	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	225261	111.08	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1169266	98.82	ng	-0.01
78) Terphenyl-d14	19.85	244	2293719	92.56	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.98	77	189	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	68316	13.864 ng	#	5
50) 2,6-Dinitrotoluene	14.47	165	22701	7.834 ng	#	78
56) 2,4-Dinitrotoluene	14.47	165	22701	5.891 ng	#	20
64) 4,6-Dinitro-2-methylphenol	15.96	198	1418	7.038 ng	#	18
76) Benzidine	19.85	184	38268	2.545 ng	#	77
					#	91

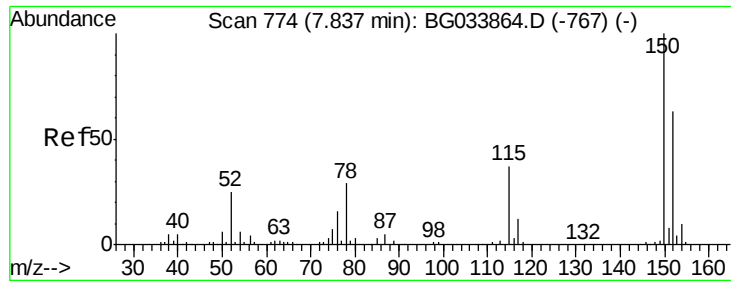
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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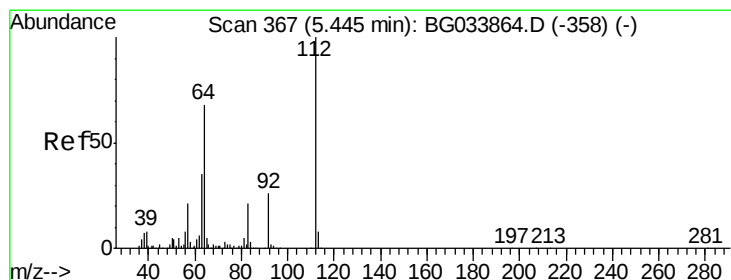
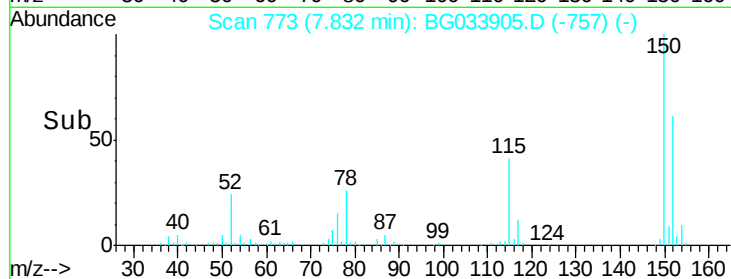
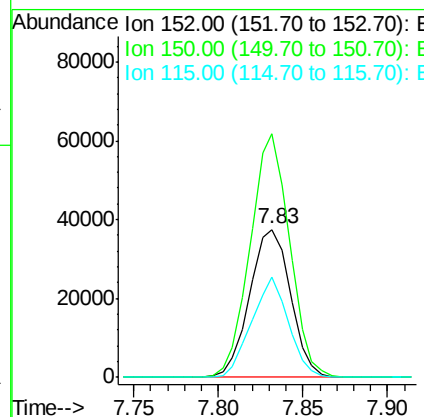
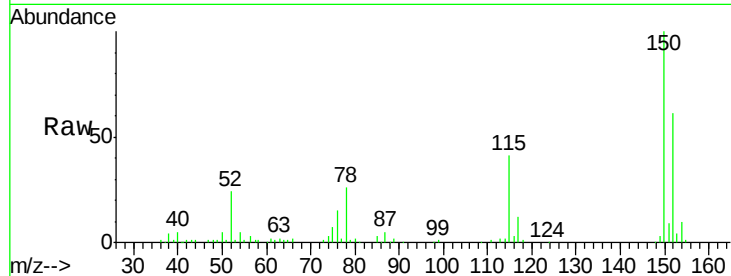


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.00 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

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

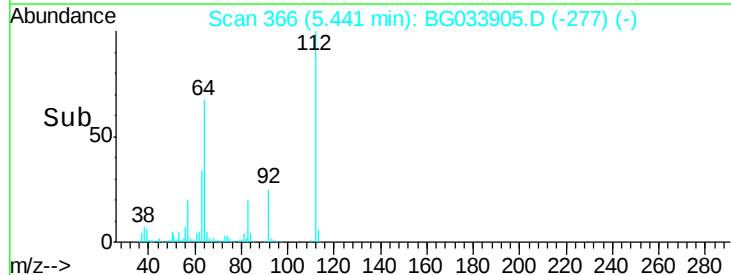
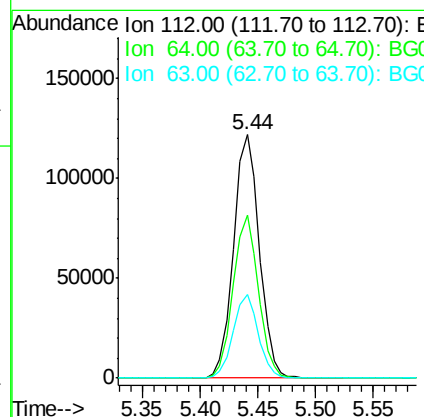
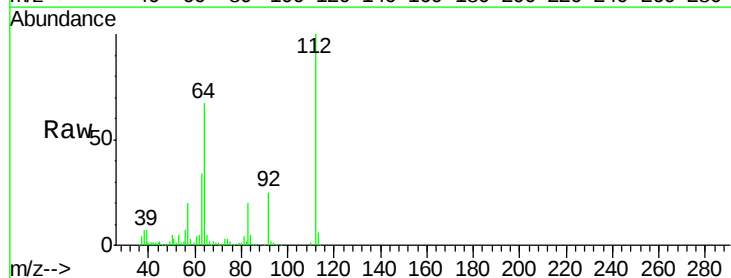
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	126.6	189.8
115	67.7	53.0	79.4

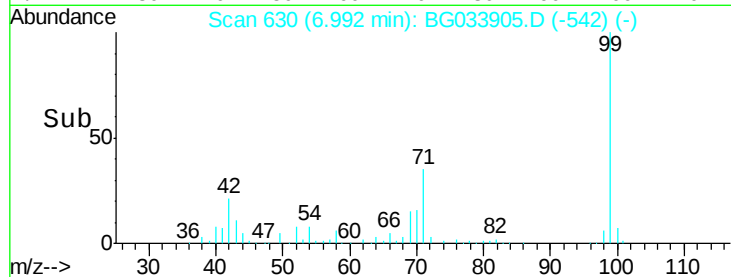
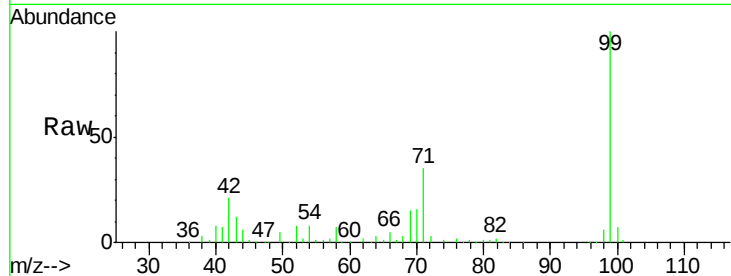
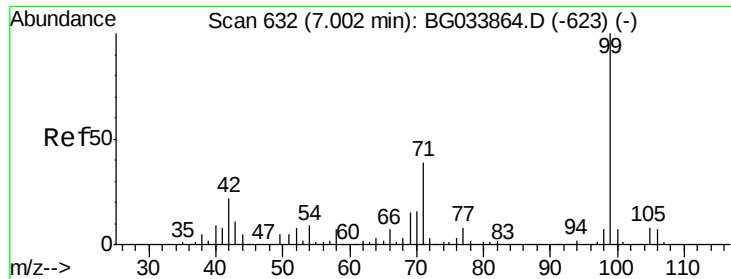


#5

2-Fluorophenol
Concen: 47.558 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	56.3	84.5
63	34.2	30.1	45.1





#7

Phenol-d6

Concen: 27.142 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-B

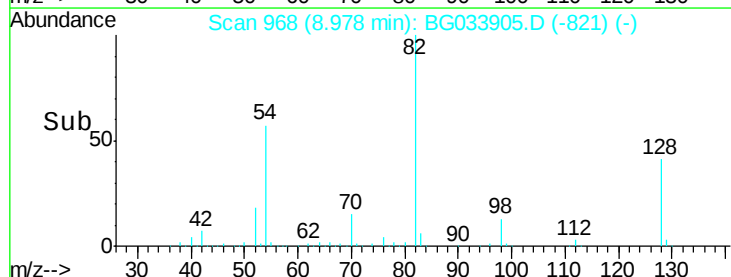
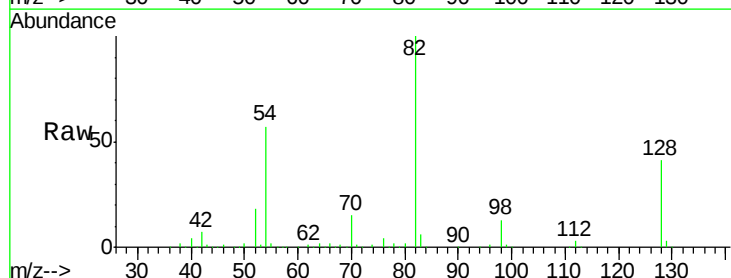
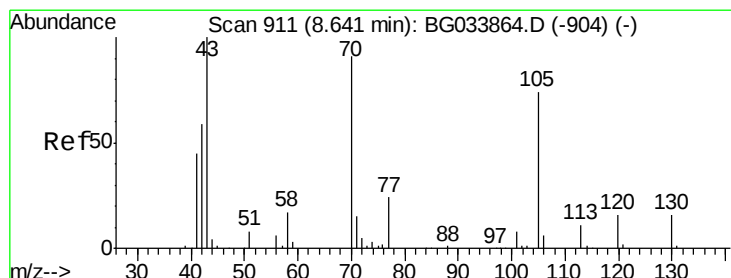
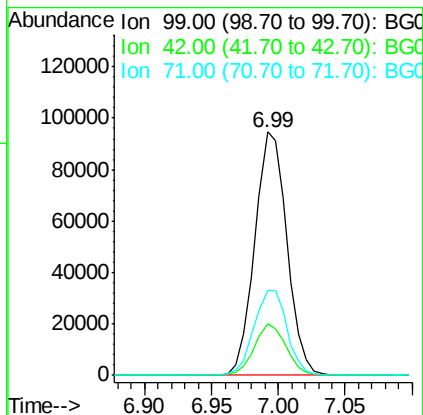
Tot Ion: 99 Resp: 156900

Ion Ratio Lower Upper

99 100

42 21.4 14.1 21.1#

71 34.7 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.864 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Tgt Ion: 70 Resp: 68316

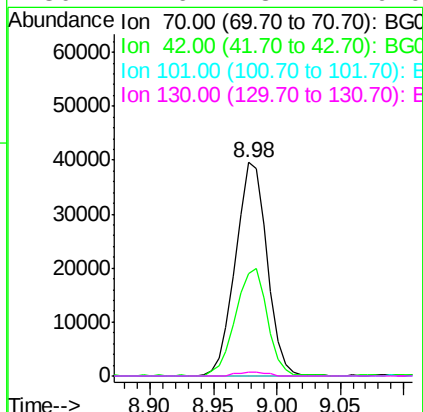
Ion Ratio Lower Upper

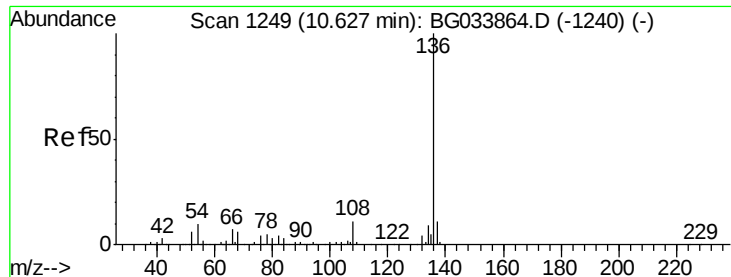
70 100

42 48.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

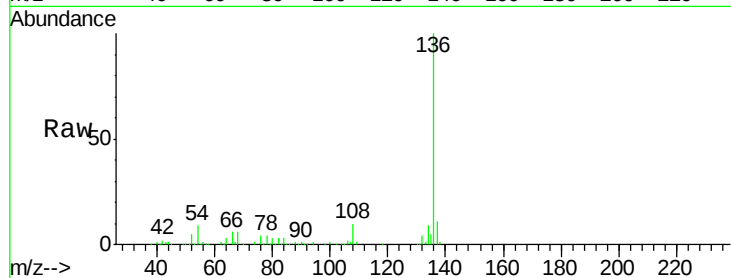




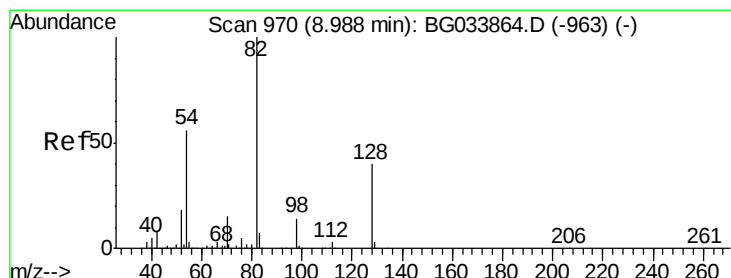
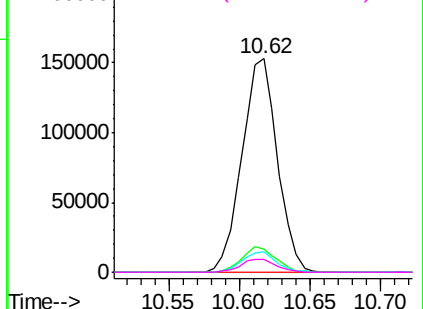
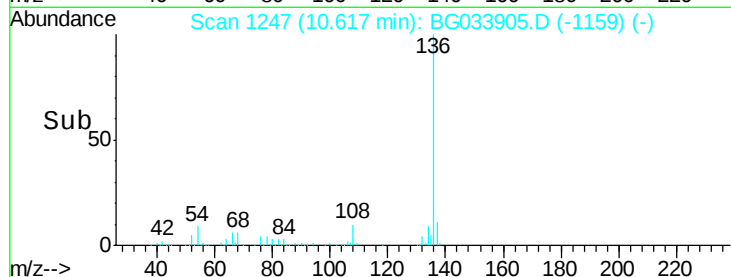
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

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

Tot Ion:136	Resp:	268491
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	9.4	10.3 15.5
68	5.8	4.5 6.7

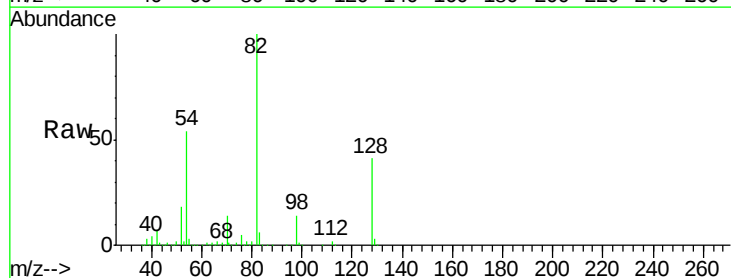


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

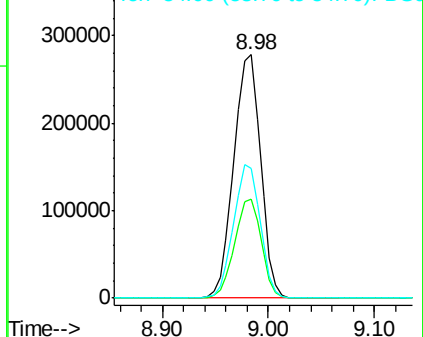
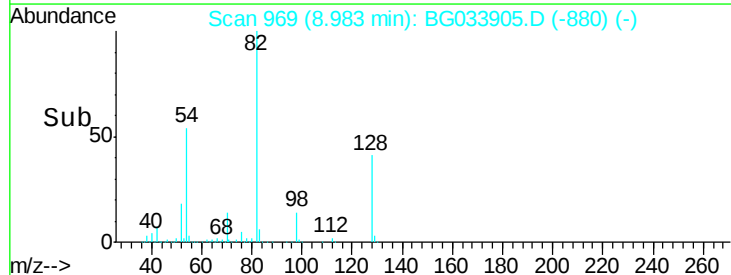


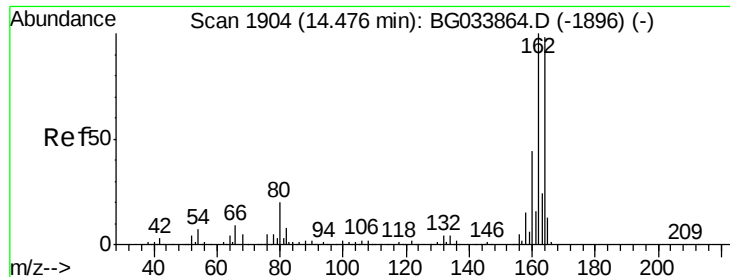
#23
Nitrobenzene-d5
Concen: 103.751 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

Tgt Ion: 82	Resp:	489482
Ion Ratio	Lower	Upper
82	100	
128	40.7	29.7 44.5
54	53.5	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-B

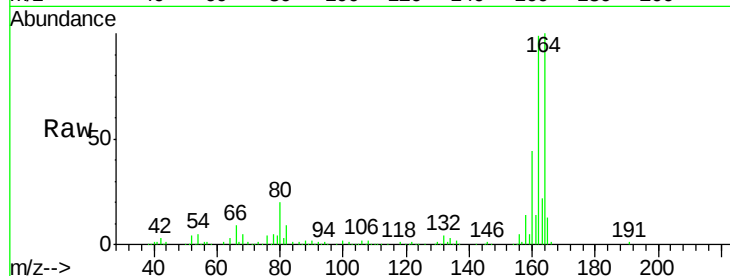
Tot Ion:164 Resp: 173827

Ion Ratio Lower Upper

164 100

162 98.9 78.8 118.2

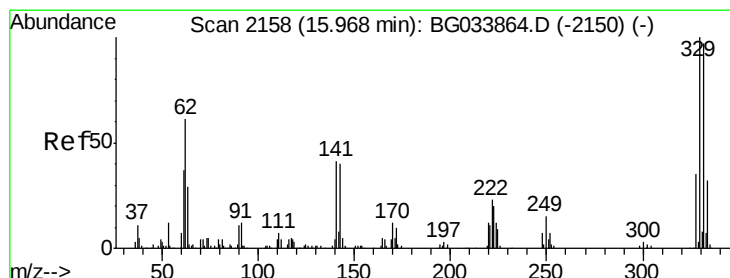
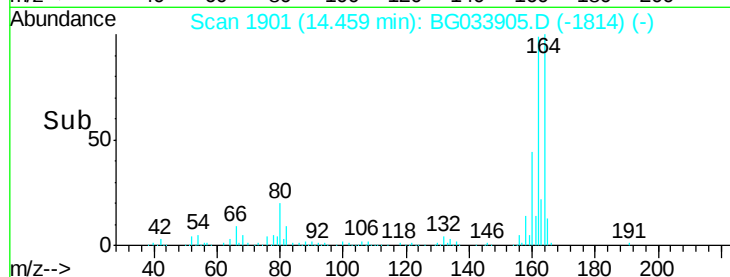
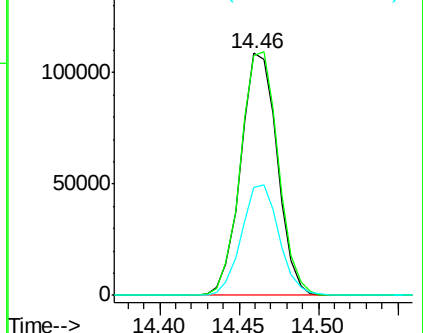
160 44.5 35.4 53.0



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: 111.077 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

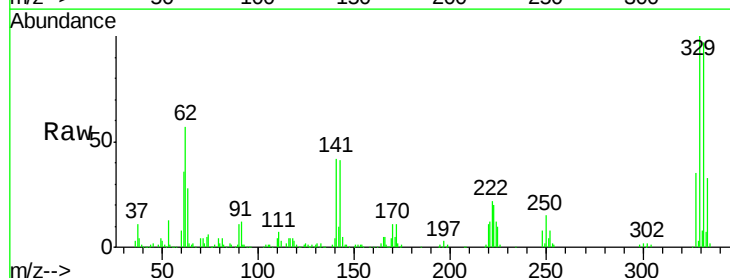
Tgt Ion:330 Resp: 225261

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

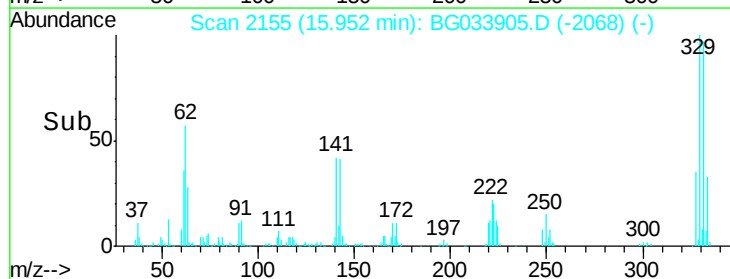
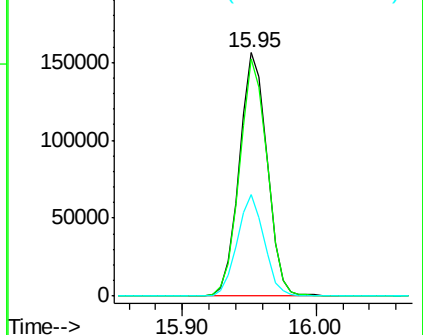
141 40.4 25.2 37.8#

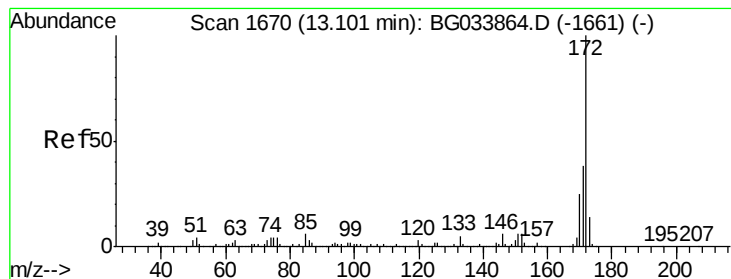


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 98.815 ng

RT: 13.09 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Instrument :

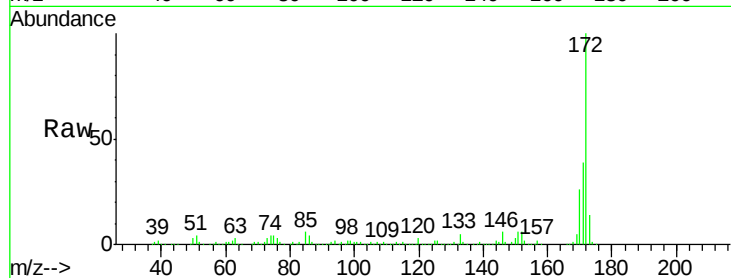
BNA_G

ClientSampleId :

041818-SIDI-F-U-B

Tot Ion:172 Resp: 1169266

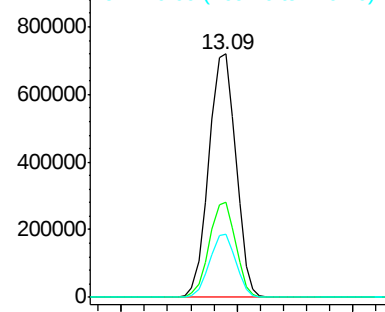
Ion	Ratio	Lower	Upper
172	100		
171	39.1	30.0	45.0
170	25.8	19.5	29.3



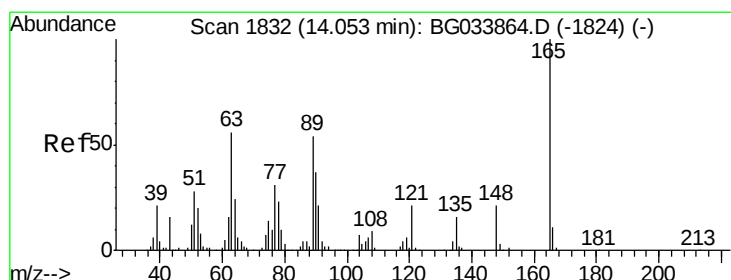
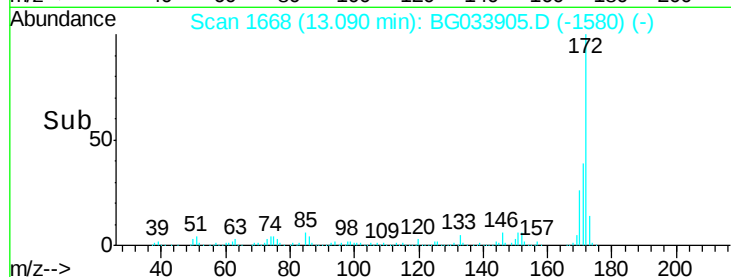
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#50

2,6-Dinitrotoluene

Concen: 7.834 ng

RT: 14.47 min Scan# 1902

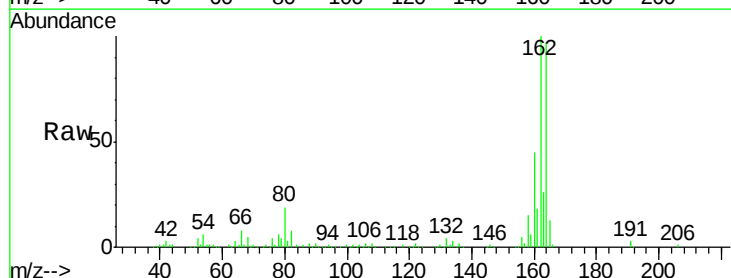
Delta R.T. 0.41 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Tgt Ion:165 Resp: 22701

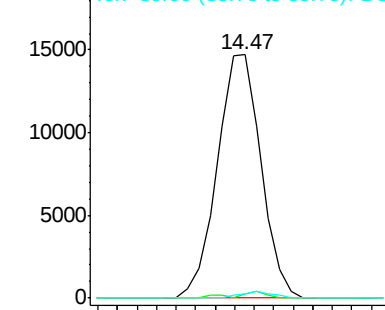
Ion	Ratio	Lower	Upper
165	100		
63	1.6	52.7	79.1#
89	1.7	49.2	73.8#



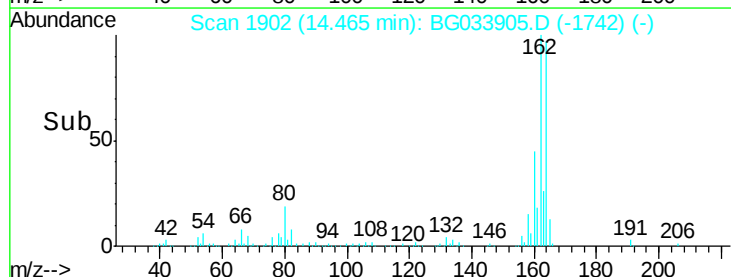
Abundance Ion 165.00 (164.70 to 165.70): E

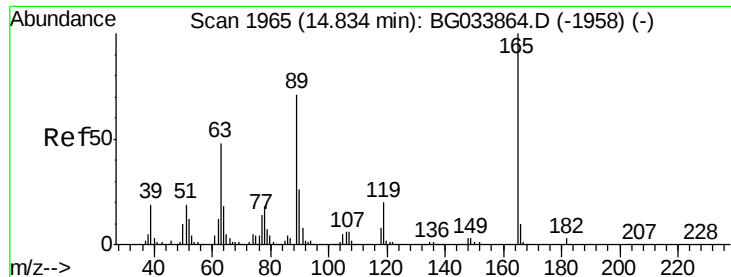
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->

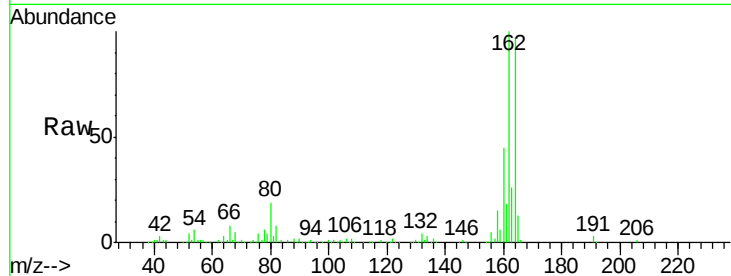




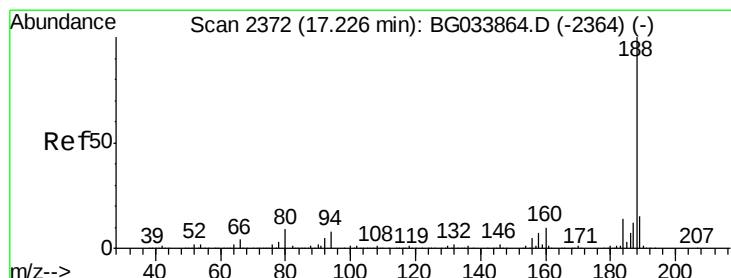
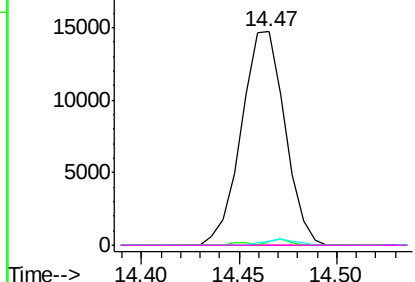
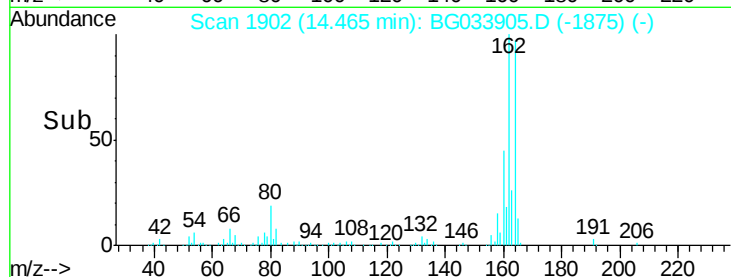
#56
2,4-Dinitrotoluene
Concen: 5.891 ng
RT: 14.47 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

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

Tot Ion:165 Resp: 22701
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 1.7 66.9 100.3#
182 0.0 2.6 3.8#

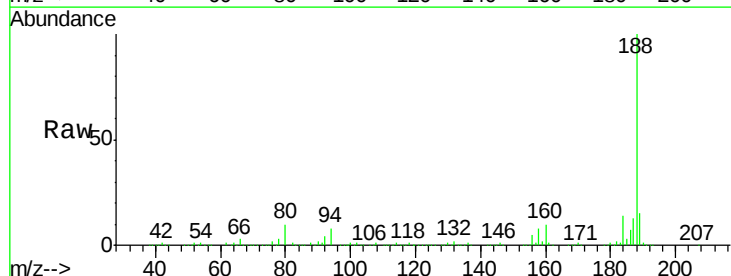


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

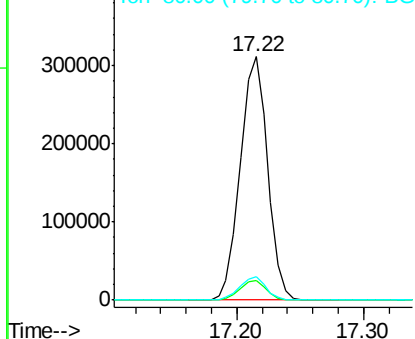
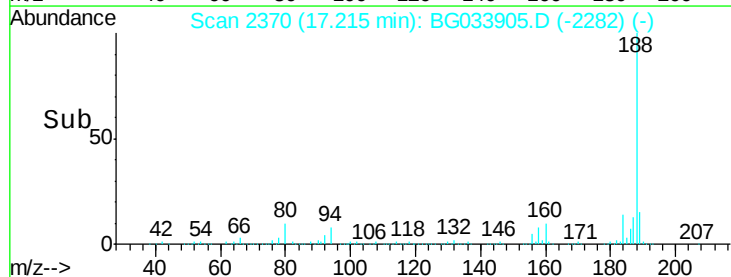


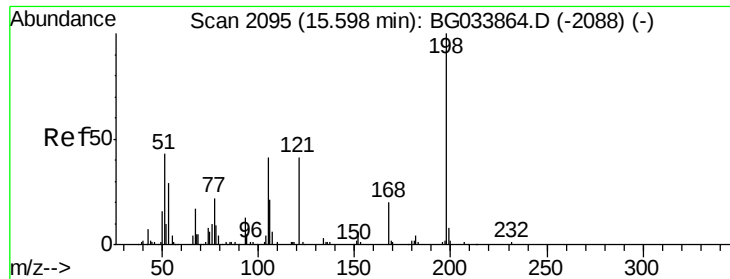
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.22 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BG033905.D
Acq: 21 Apr 2018 4:27

Tgt Ion:188 Resp: 463926
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 9.5 7.7 11.5



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





#64

4,6-Dinitro-2-methylphenol

Concen: 7.038 ng

RT: 15.96 min Scan# 2156

Delta R.T. 0.36 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-B

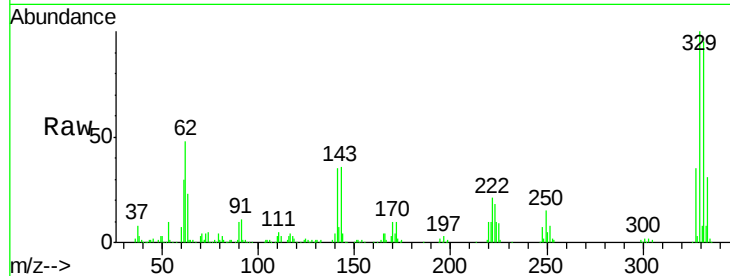
Tot Ion:198 Resp: 1418

Ion Ratio Lower Upper

198 100

51 25.9 30.6 70.6#

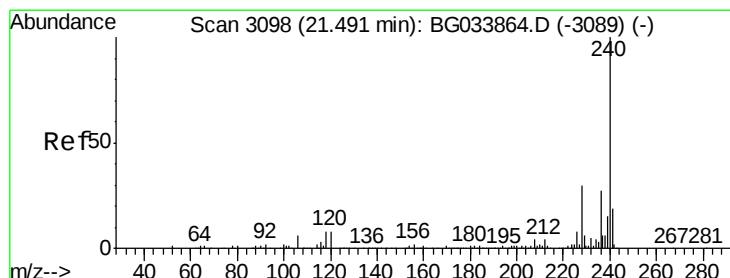
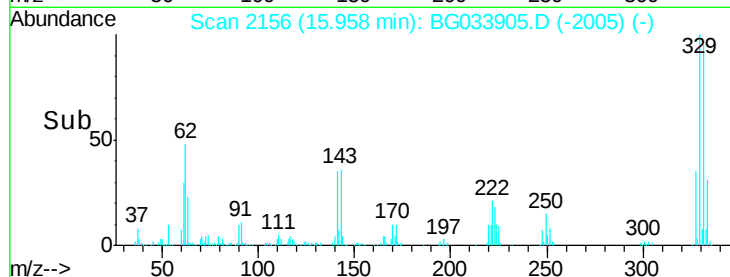
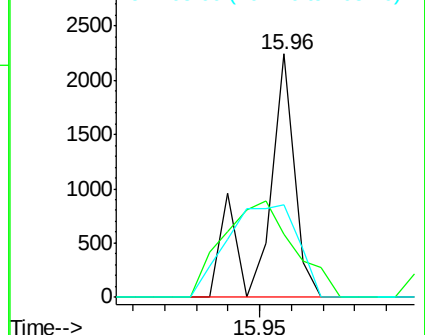
105 37.9 23.8 63.8



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# 3094

Delta R.T. -0.02 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

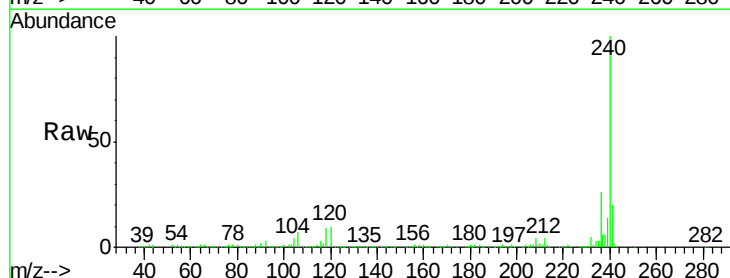
Tgt Ion:240 Resp: 556748

Ion Ratio Lower Upper

240 100

120 9.8 6.8 10.2

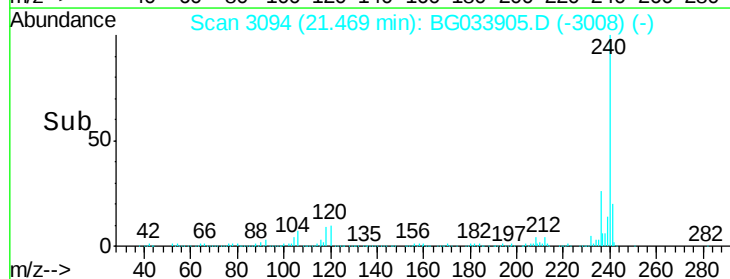
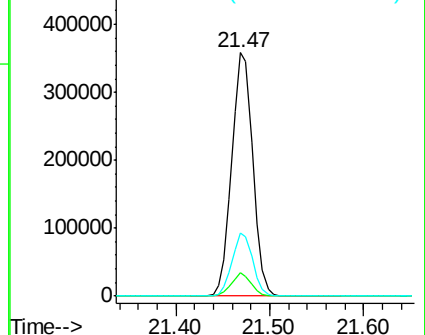
236 26.0 20.9 31.3

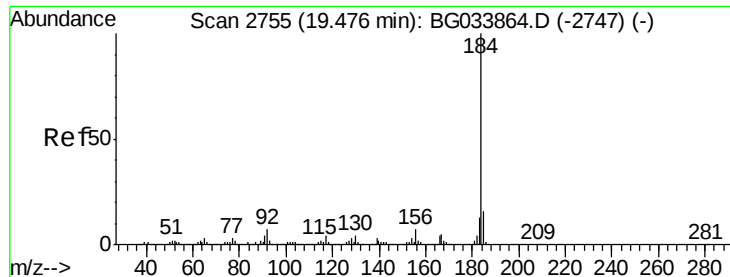


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.545 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.38 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

Instrument :

BNA_G

ClientSampleId :

041818-SIDI-F-U-B

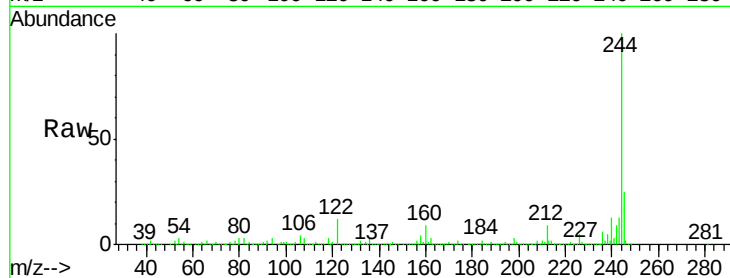
Tot Ion:184 Resp: 38268

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

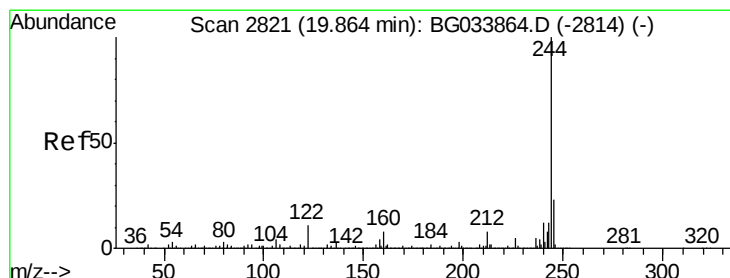
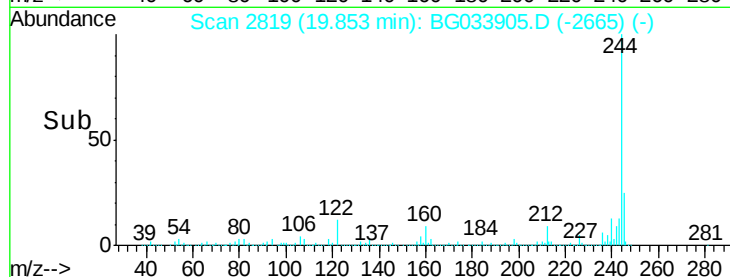
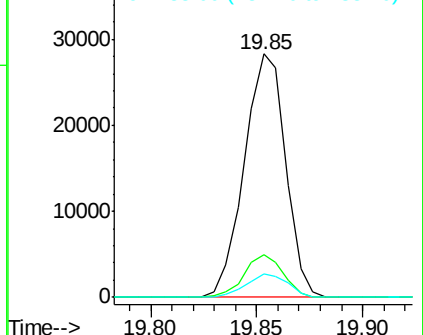
183 9.8 10.6 16.0#



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: 92.557 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033905.D

Acq: 21 Apr 2018 4:27

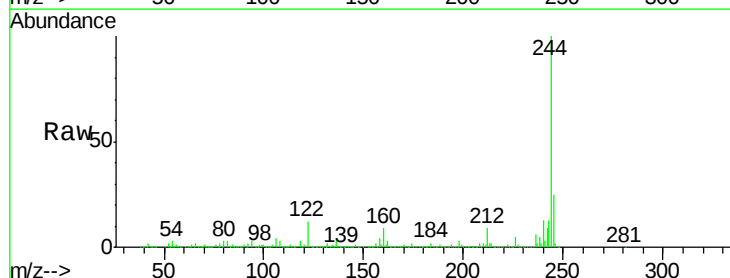
Tgt Ion:244 Resp: 2293719

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

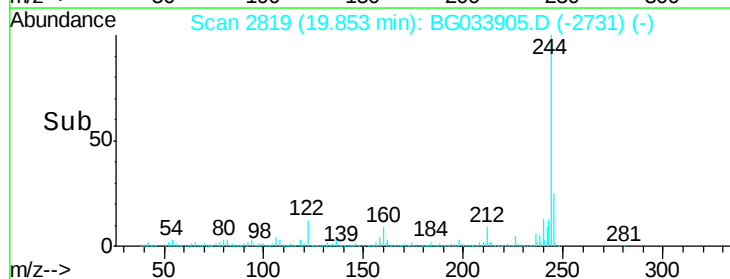
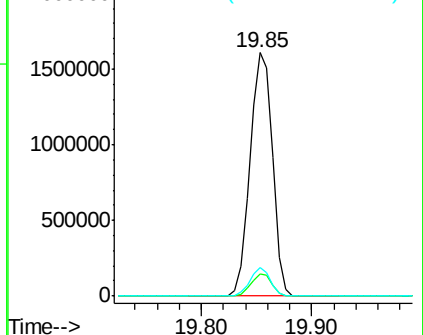
122 11.6 7.0 10.4#

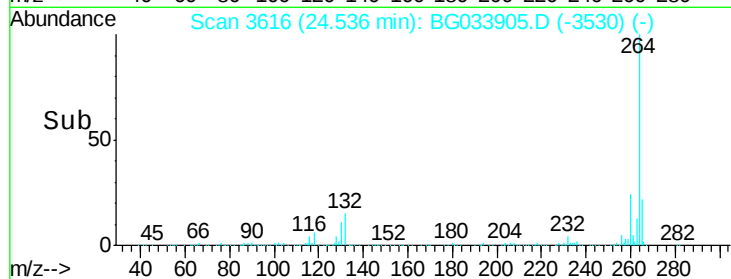
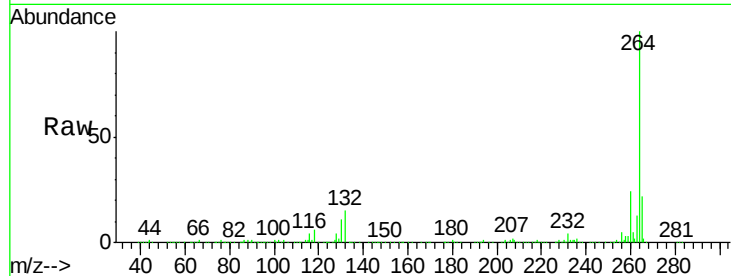
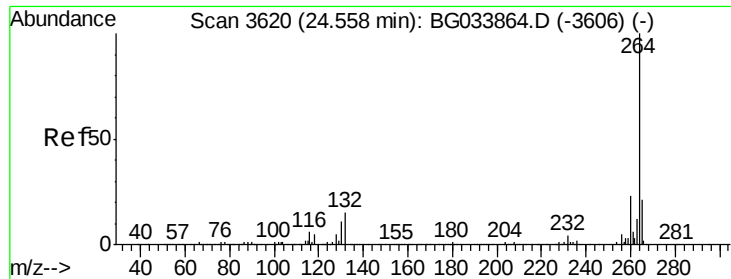


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG033905.D
 Acq: 21 Apr 2018 4:27

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	22.5	17.7	26.5

