

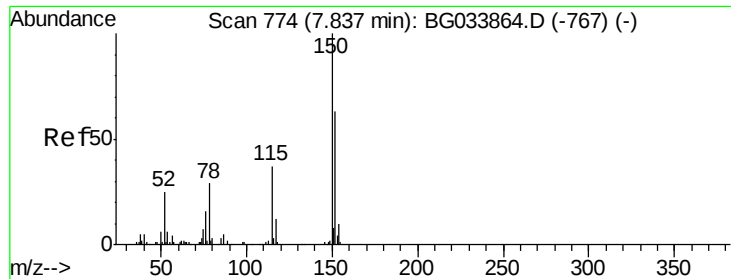
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034019.D
 Acq On : 26 Apr 2018 20:08
 Operator : SJ/JU
 Sample : J2531-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042318-DBRI-E-U-B

Quant Time: Apr 27 01:36:01 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	7.82	152	63638	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	292519	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	213115	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	599955	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	638453	20.00	ng	-0.04
86) Perylene-d12	24.51	264	605057	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	139185	34.92	ng	0.00
7) Phenol-d6	7.02	99	85903	14.78	ng	0.02
23) Nitrobenzene-d5	8.97	82	469175	91.28	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	269789	108.51	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1411002	97.26	ng	-0.03
78) Terphenyl-d14	19.84	244	2556849	89.97	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.98	77	54	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.97	70	59483	12.003 ng	#	5
50) 2,6-Dinitrotoluene	14.44	165	27112	7.631 ng	#	77
56) 2,4-Dinitrotoluene	14.44	165	27327	5.784 ng	#	20
64) 4,6-Dinitro-2-methylphenol	15.97	198	610	6.672 ng	#	18
76) Benzidine	19.84	184	41155	2.387 ng	#	84
						90

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

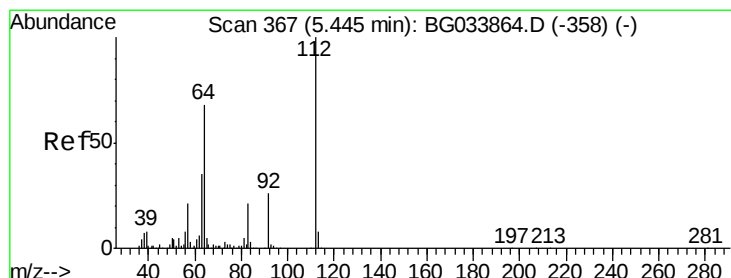
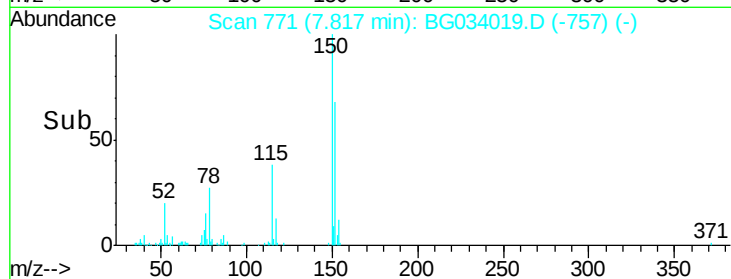
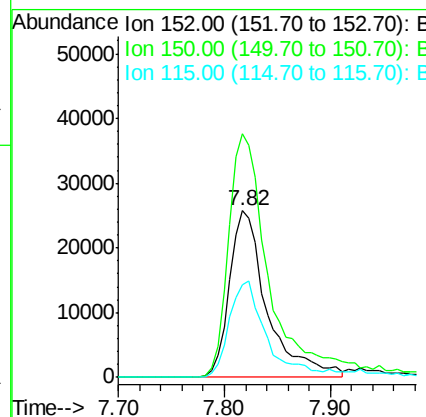
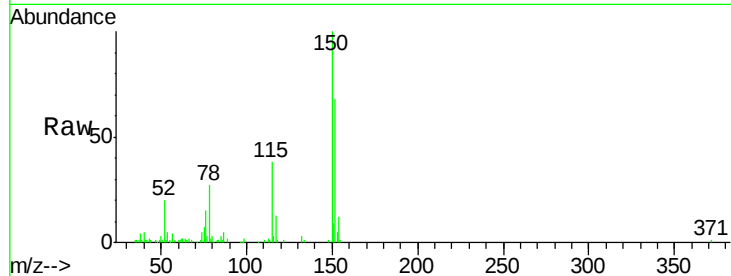


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034019.D
Acq: 26 Apr 2018 20:08

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-U-B

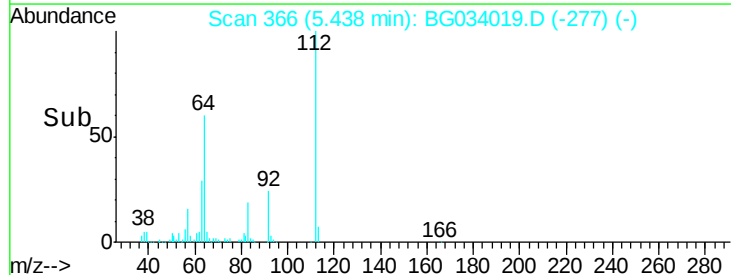
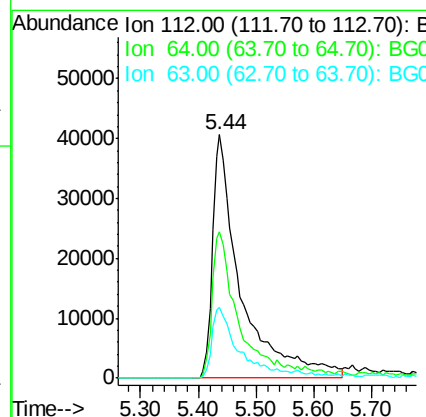
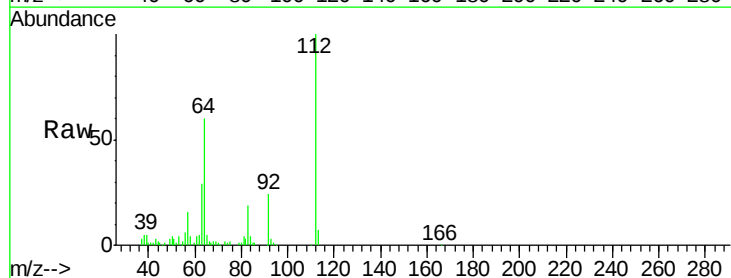
Tgt Ion:152 Resp: 63638
Ion Ratio Lower Upper
152 100
150 146.2 126.6 189.8
115 55.5 53.0 79.4

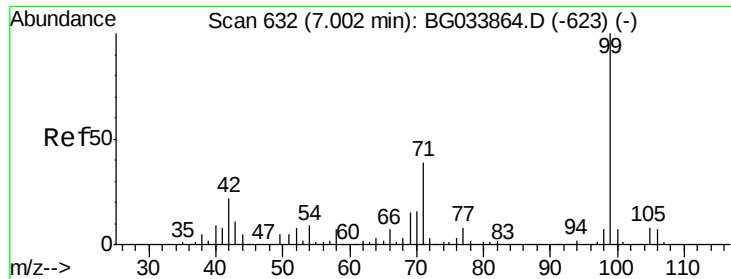


#5

2-Fluorophenol
Concen: 34.918 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034019.D
Acq: 26 Apr 2018 20:08

Tgt Ion:112 Resp: 139185
Ion Ratio Lower Upper
112 100
64 60.0 56.3 84.5
63 29.1 30.1 45.1#





#7

Phenol-d6

Concen: 14.776 ng

RT: 7.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-B

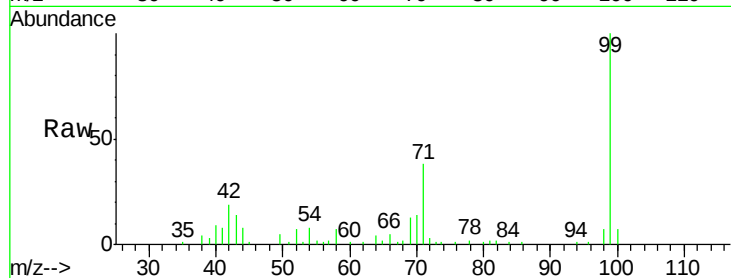
Tgt Ion: 99 Resp: 85903

Ion Ratio Lower Upper

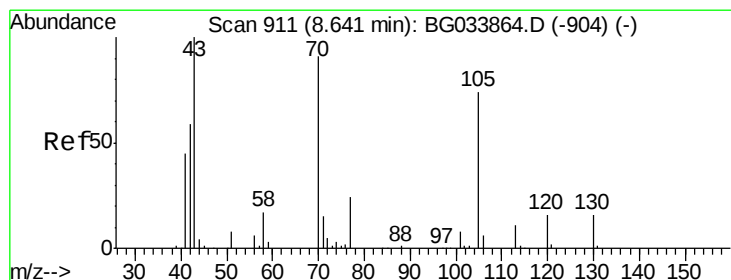
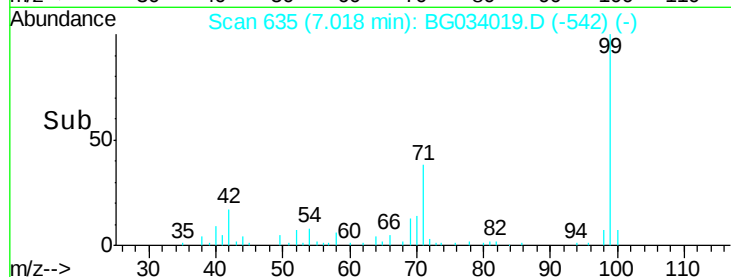
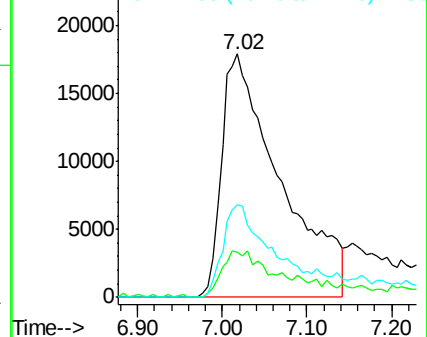
99 100

42 18.8 14.1 21.1

71 38.1 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: 12.003 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

Tgt Ion: 70 Resp: 59483

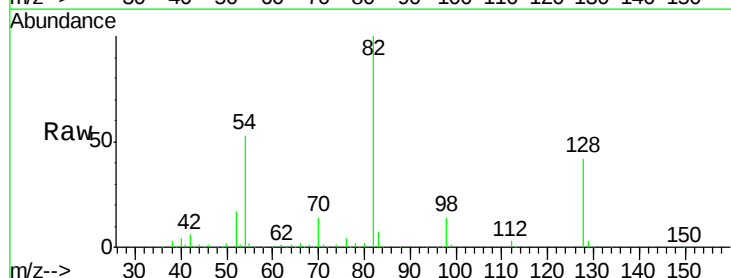
Ion Ratio Lower Upper

70 100

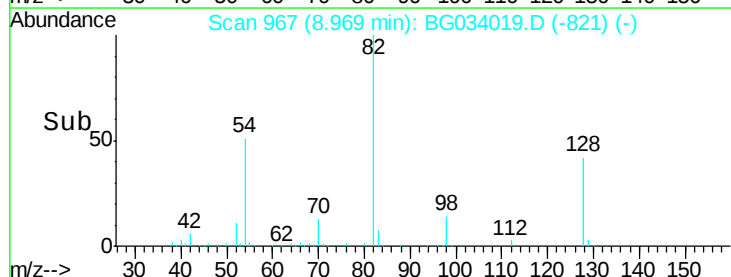
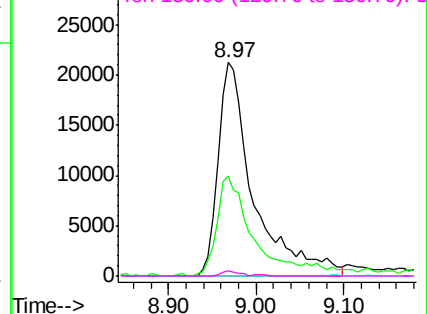
42 46.8 49.1 73.7#

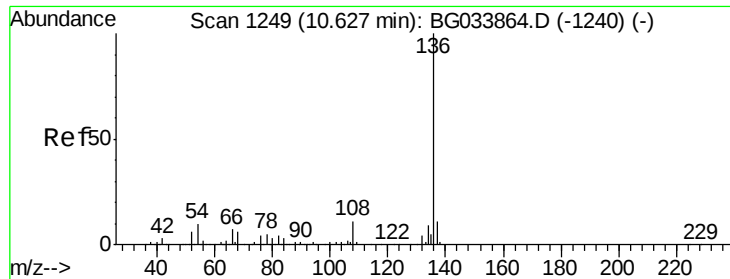
101 0.0 8.5 12.7#

130 2.5 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

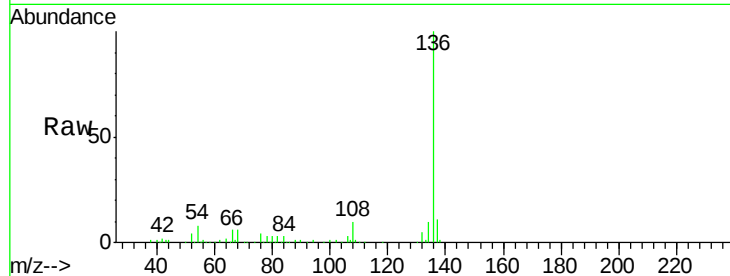




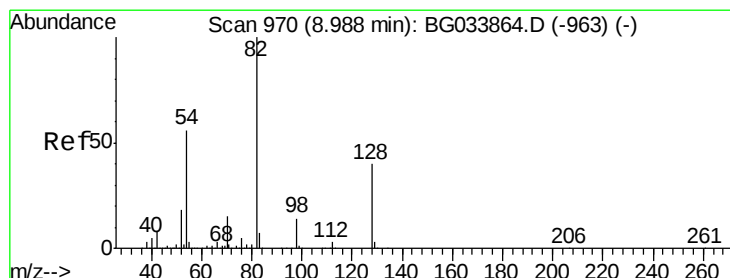
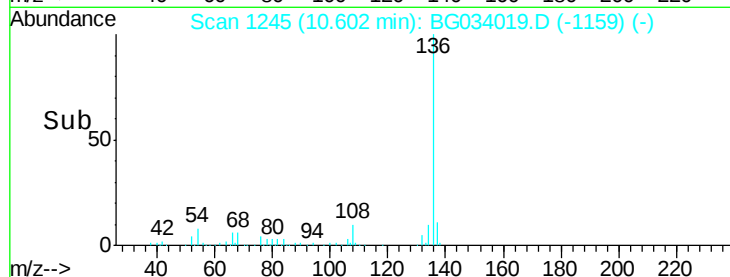
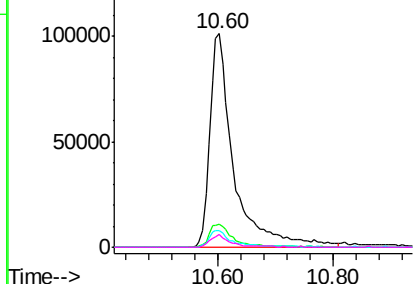
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.03 min
Lab File: BG034019.D
Acq: 26 Apr 2018 20:08

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-U-B

Tgt Ion:	136	Resp:	292519
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.8	10.3	15.5#
68	5.7	4.5	6.7

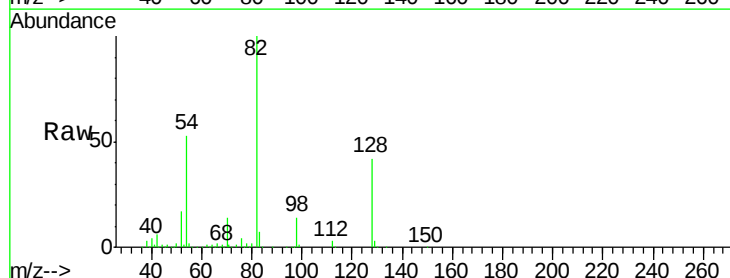


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

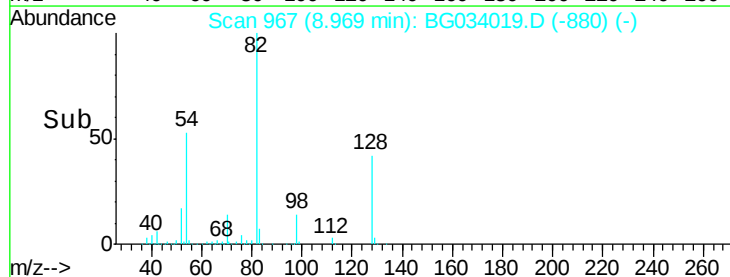
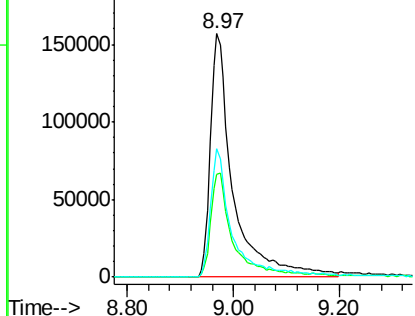


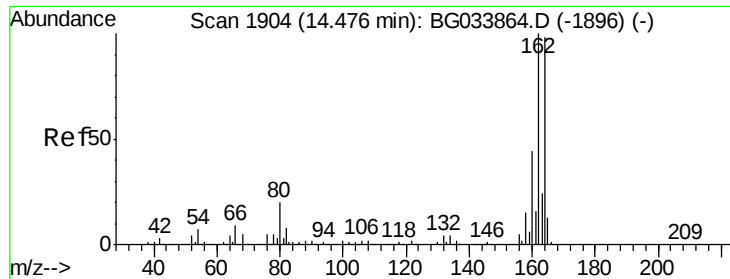
#23
Nitrobenzene-d5
Concen: 91.278 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034019.D
Acq: 26 Apr 2018 20:08

Tgt Ion:	82	Resp:	469175
Ion	Ratio	Lower	Upper
82	100		
128	42.3	29.7	44.5
54	52.7	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: 14.44 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-B

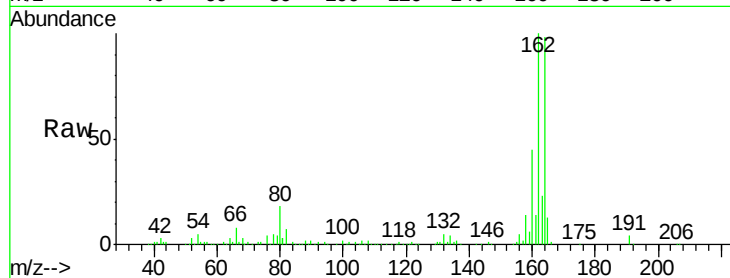
Tgt Ion:164 Resp: 213115

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

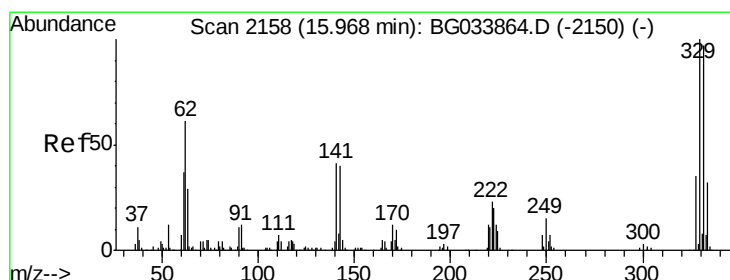
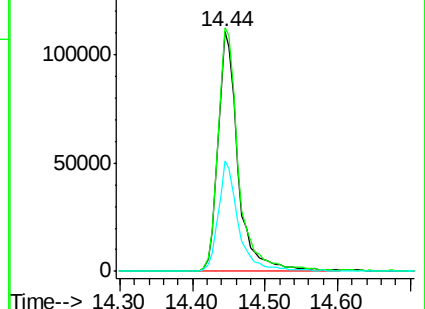
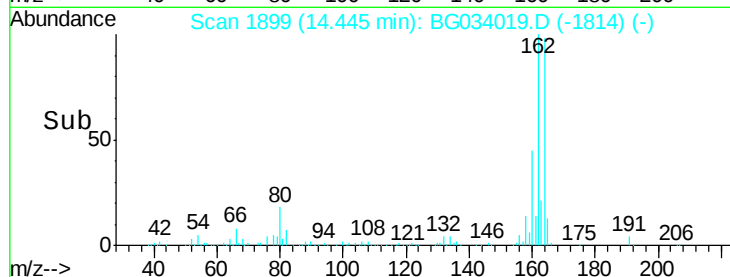
160 46.3 35.4 53.0



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: 108.509 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.03 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

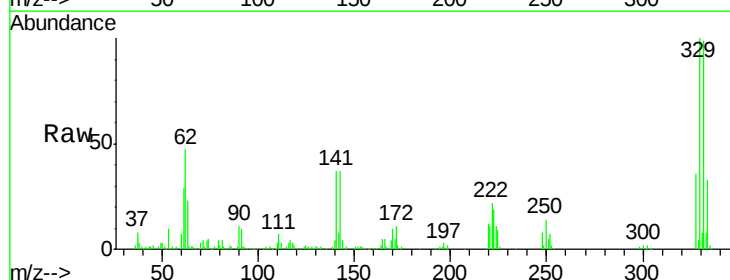
Tgt Ion:330 Resp: 269789

Ion Ratio Lower Upper

330 100

332 100.5 77.0 115.6

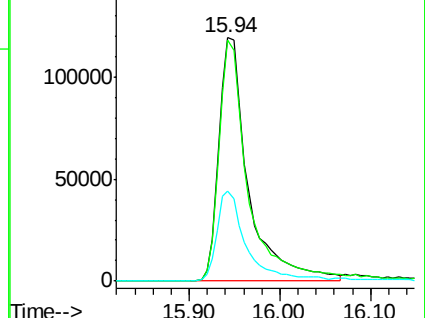
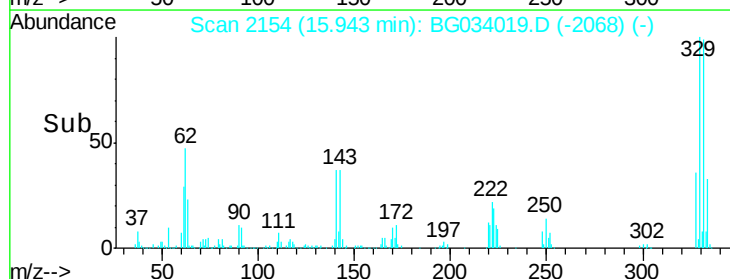
141 37.0 25.2 37.8

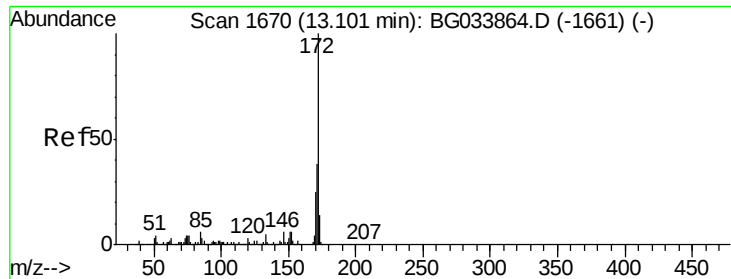


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

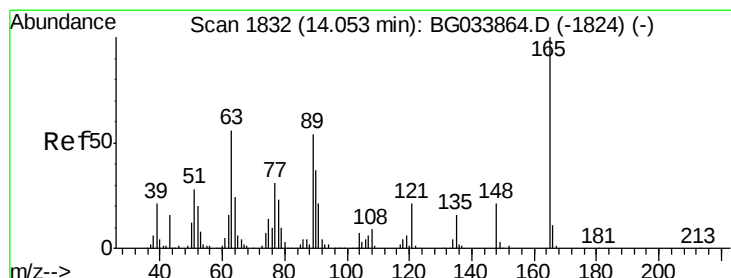
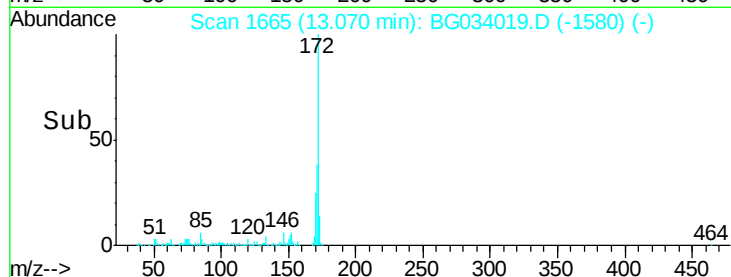
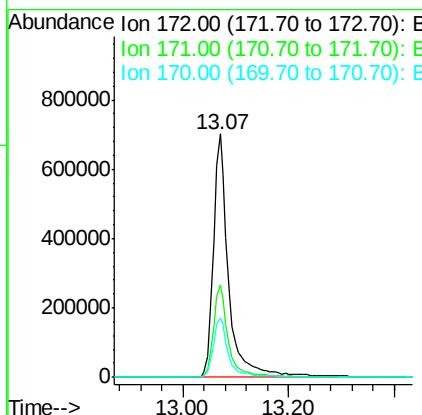
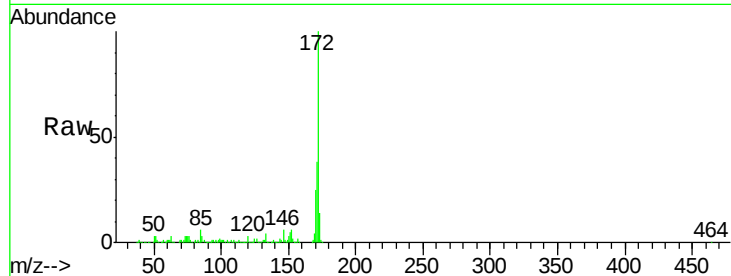




#44
 2-Fluorobiphenyl
 Concen: 97.262 ng
 RT: 13.07 min Scan# 1665
 Delta R.T. -0.03 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

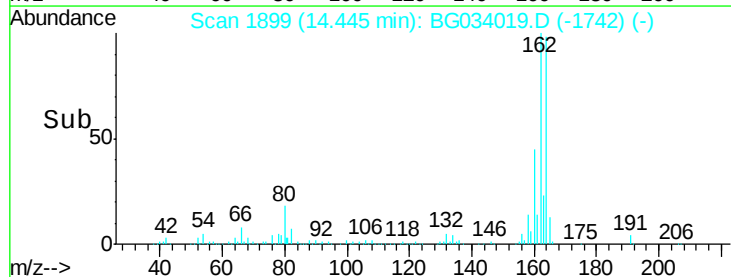
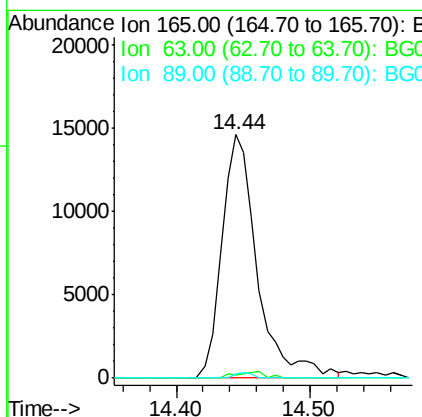
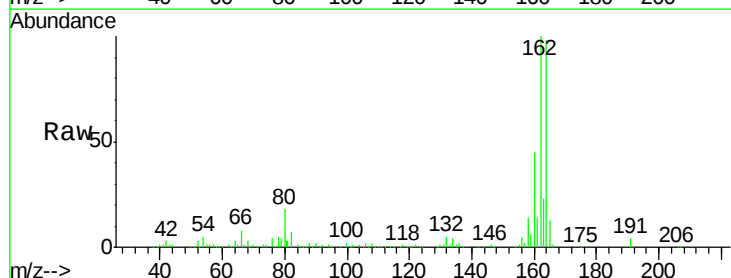
Instrument :
 BNA_G
 ClientSampleId :
 042318-DBRI-E-U-B

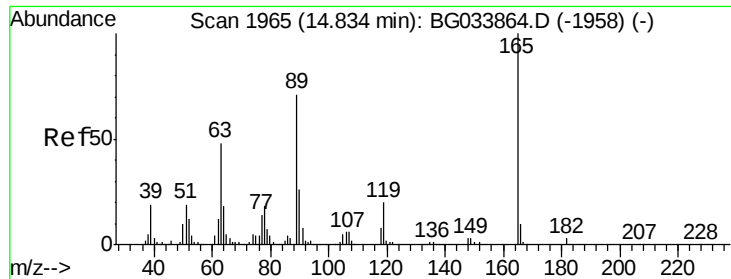
Tgt Ion:172 Resp: 1411002
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.631 ng
 RT: 14.44 min Scan# 1899
 Delta R.T. 0.39 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

Tgt Ion:165 Resp: 27112
 Ion Ratio Lower Upper
 165 100
 63 1.3 52.7 79.1#
 89 1.9 49.2 73.8#

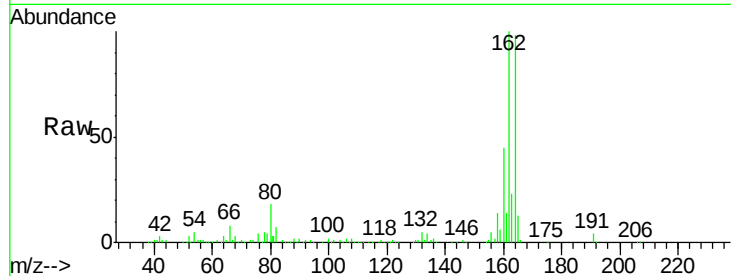




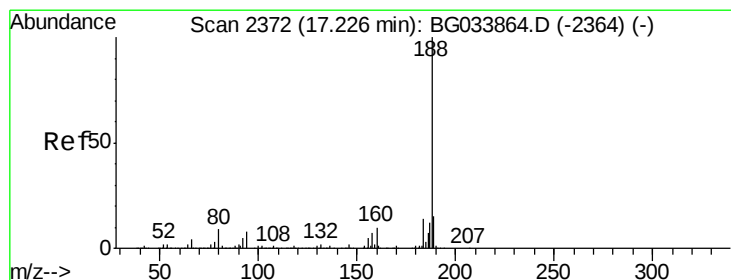
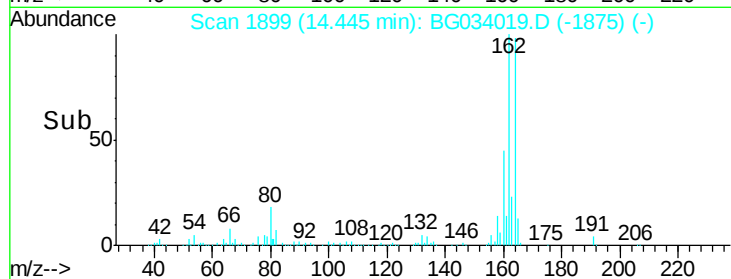
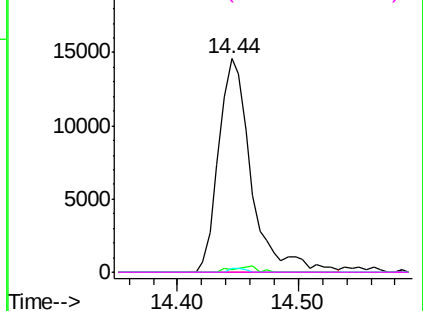
#56
 2,4-Dinitrotoluene
 Concen: 5.784 ng
 RT: 14.44 min Scan# 1899
 Delta R.T. -0.39 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

Instrument :
 BNA_G
 ClientSampleId :
 042318-DBRI-E-U-B

Tgt Ion:165 Resp: 27327
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#

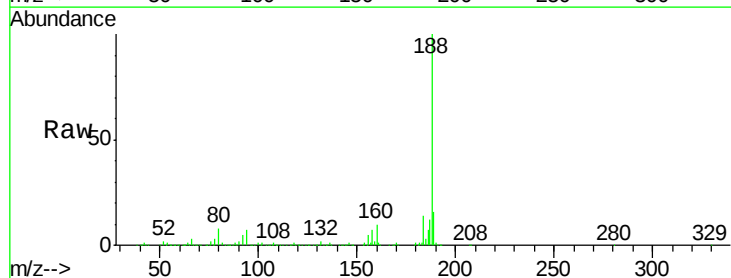


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

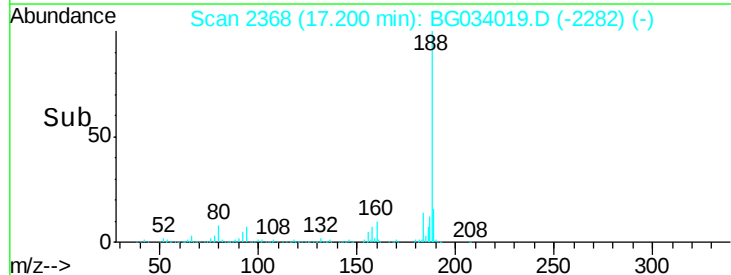
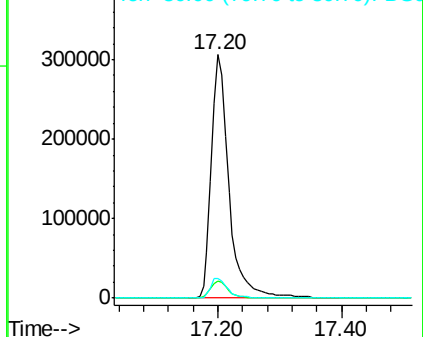


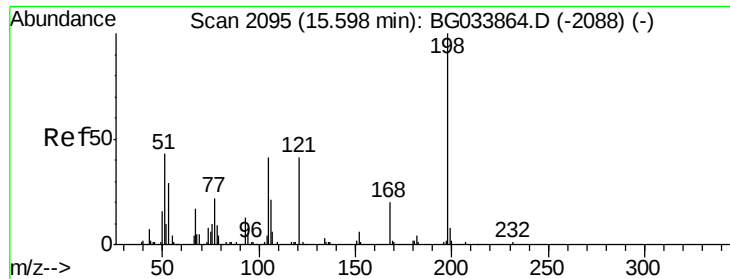
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2368
 Delta R.T. -0.03 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

Tgt Ion:188 Resp: 599955
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 8.1 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

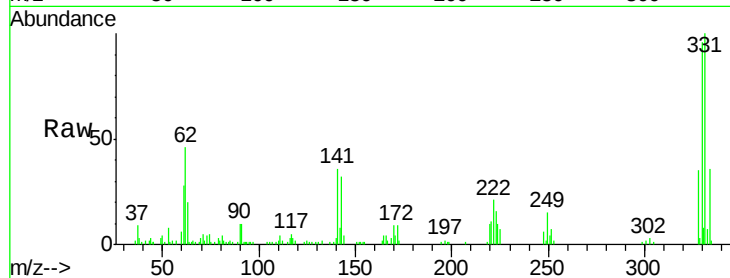




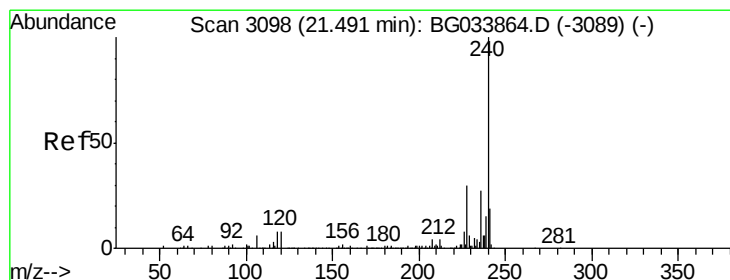
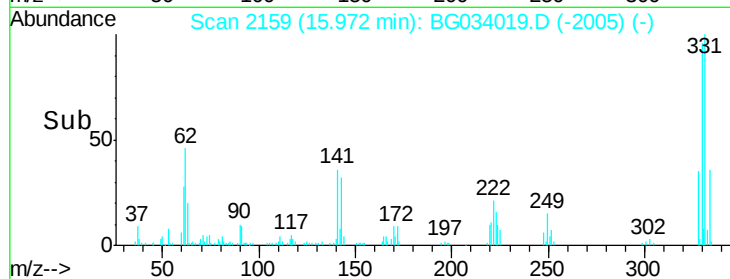
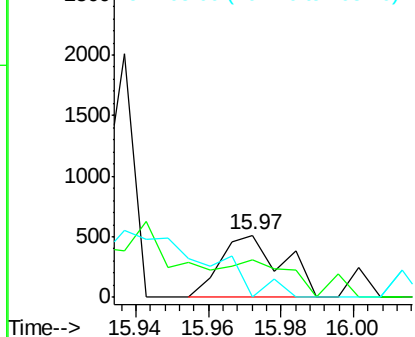
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.672 ng
 RT: 15.97 min Scan# 2159
 Delta R.T. 0.37 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

Instrument :
 BNA_G
 ClientSampleId :
 042318-DBRI-E-U-B

Tgt Ion:198 Resp: 610
 Ion Ratio Lower Upper
 198 100
 51 61.2 30.6 70.6
 105 54.6 23.8 63.8

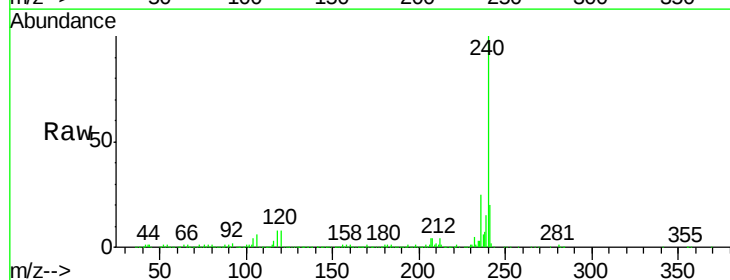


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

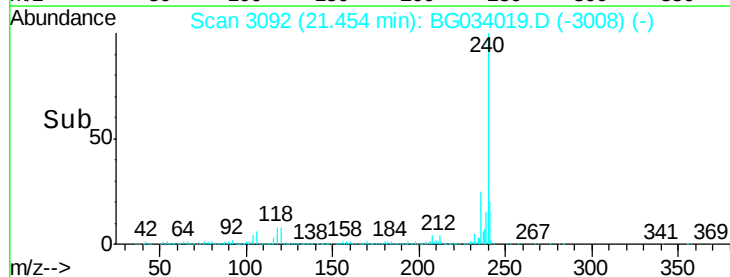
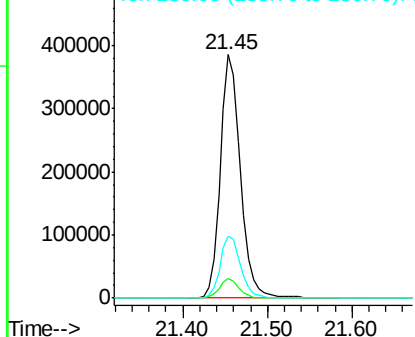


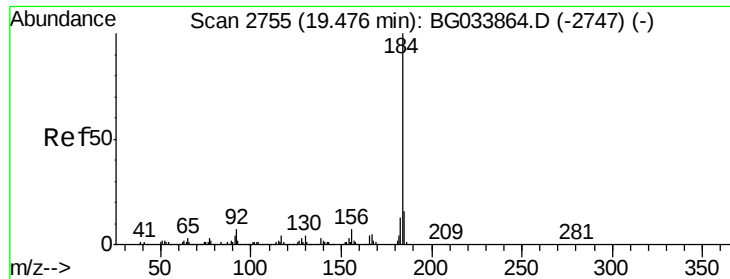
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3092
 Delta R.T. -0.04 min
 Lab File: BG034019.D
 Acq: 26 Apr 2018 20:08

Tgt Ion:240 Resp: 638453
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.8 10.2
 236 25.4 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: 2.387 ng

RT: 19.84 min Scan# 2817

Delta R.T. 0.36 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-B

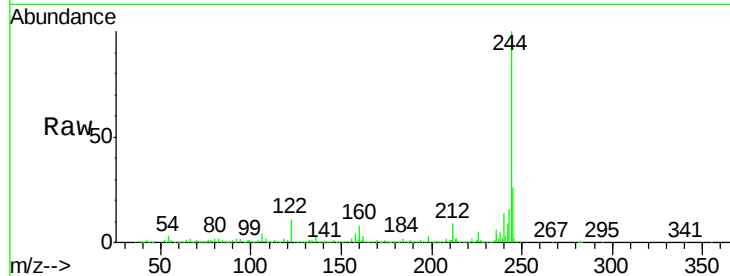
Tgt Ion:184 Resp: 41155

Ion Ratio Lower Upper

184 100

185 19.0 11.1 16.7#

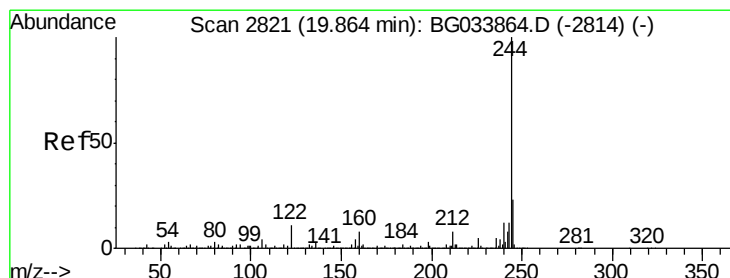
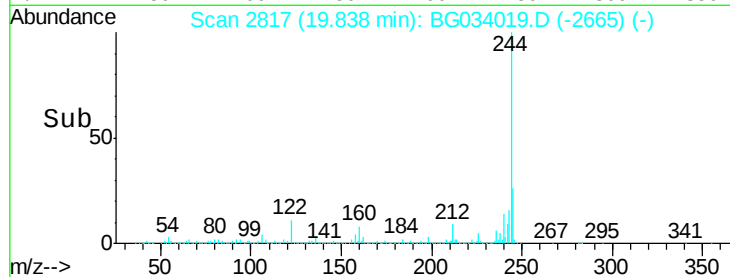
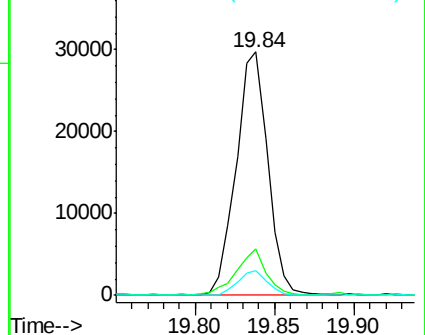
183 10.1 10.6 16.0#



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: 89.971 ng

RT: 19.84 min Scan# 2817

Delta R.T. -0.03 min

Lab File: BG034019.D

Acq: 26 Apr 2018 20:08

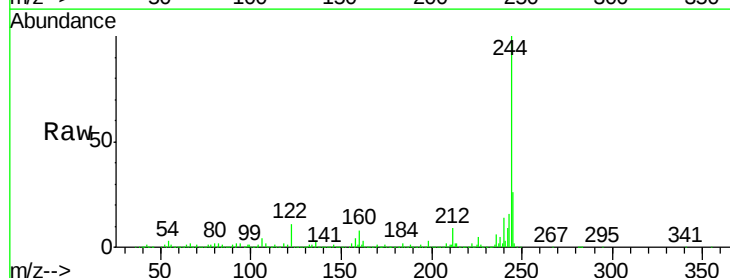
Tgt Ion:244 Resp: 2556849

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

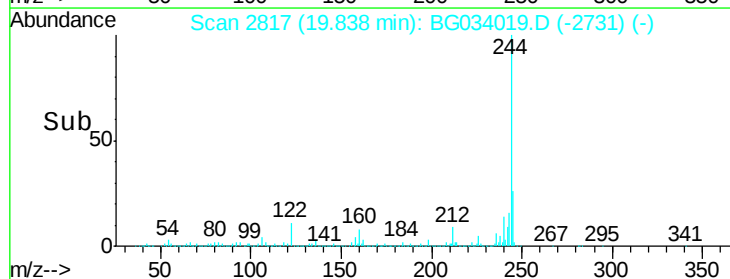
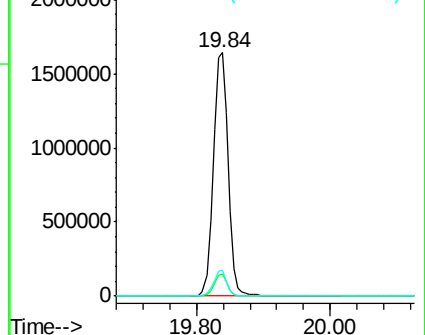
122 10.5 7.0 10.4#

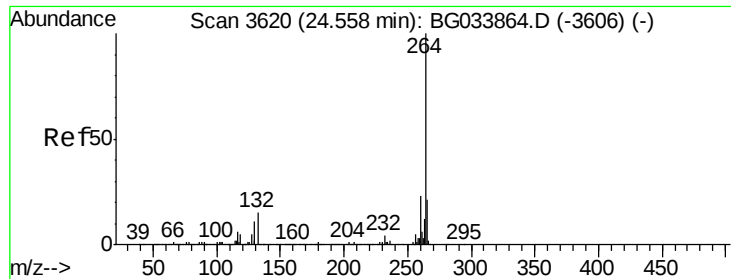


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.51 min Scan# 3612
Delta R.T. -0.05 min
Lab File: BG034019.D
Acq: 26 Apr 2018 20:08

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-U-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.5	17.7	26.5

