

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041519\
 Data File : BG040490.D
 Acq On : 15 Apr 2019 21:40
 Operator : JU/SJ
 Sample : K2389-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 15 23:23:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

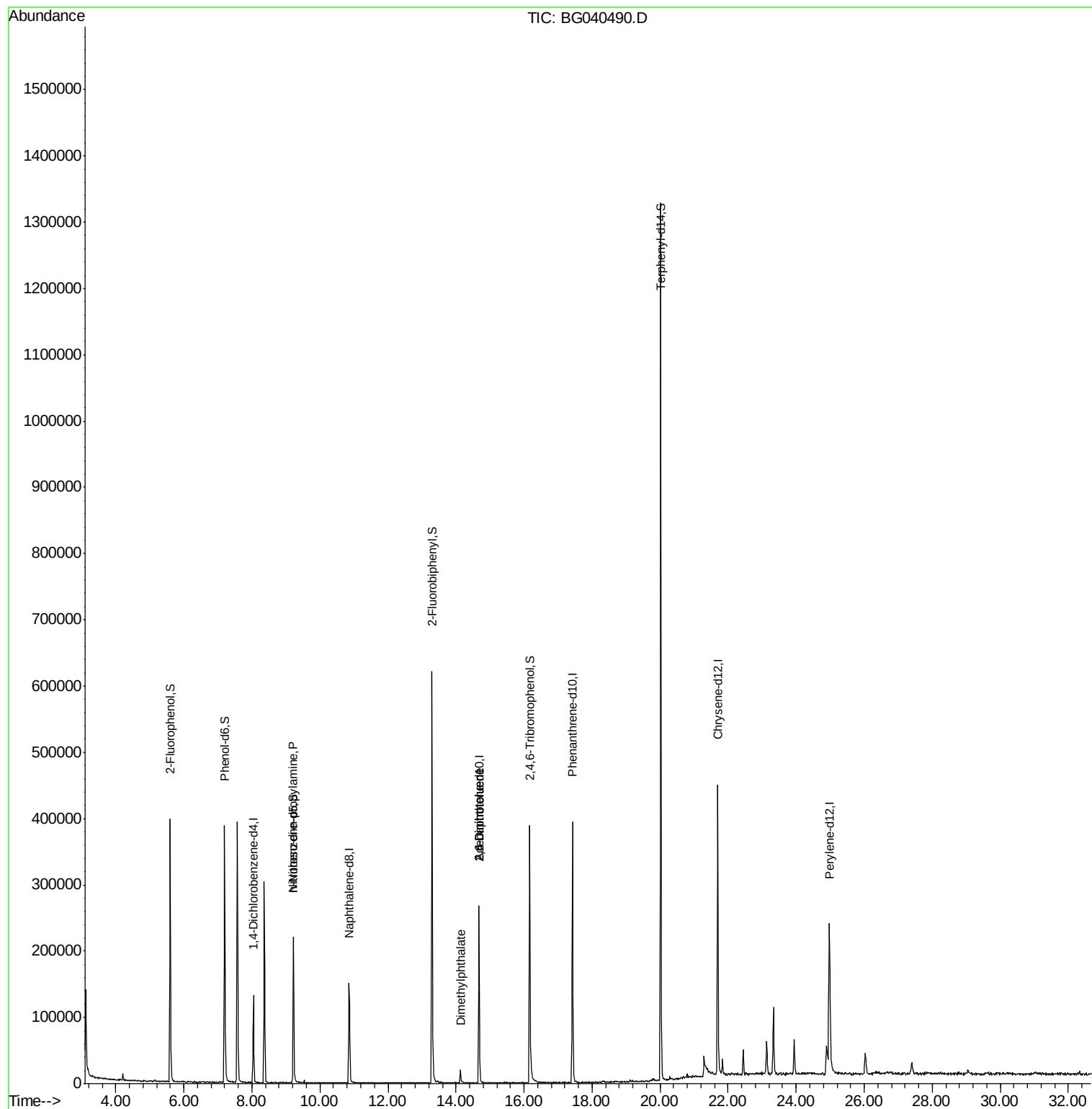
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	37262	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	150223	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	95804	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	261746	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	263488	20.00	ng	-0.04
87) Perylene-d12	24.98	264	282186	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177514	79.20	ng	-0.02
7) Phenol-d6	7.20	99	243815	78.71	ng	-0.03
23) Nitrobenzene-d5	9.22	82	144395	51.09	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	82348	79.53	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	355303	54.95	ng	-0.03
79) Terphenyl-d14	20.02	244	677493	57.84	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	18113	8.155	ng	# 76
50) Dimethylphthalate	14.13	163	18225	2.431	ng	# 99
51) 2,6-Dinitrotoluene	14.68	165	12712	7.551	ng	# 27
57) 2,4-Dinitrotoluene	14.68	165	12712	5.434	ng	# 27

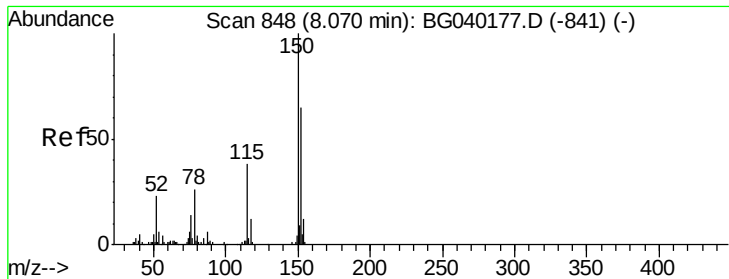
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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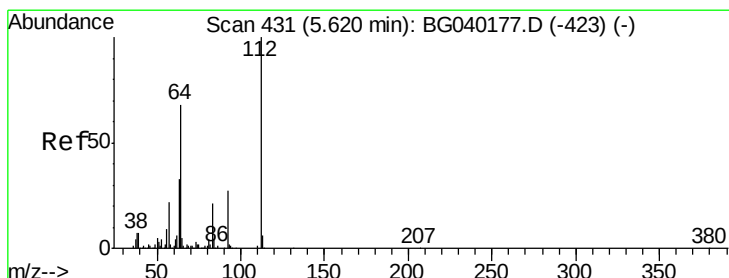
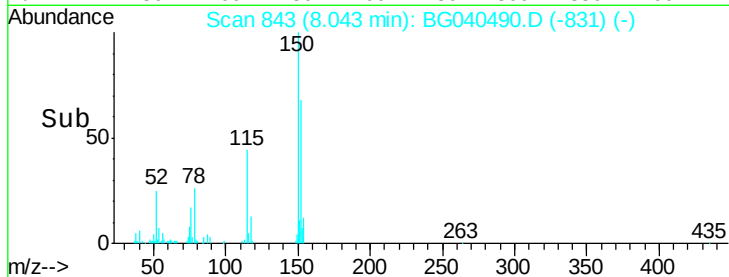
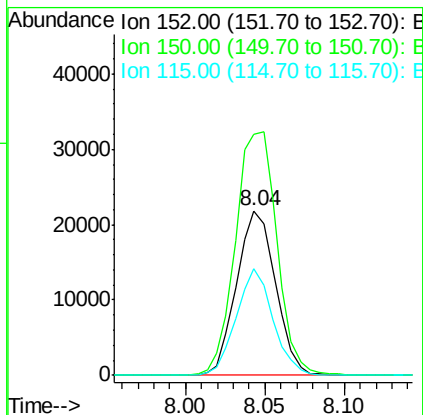
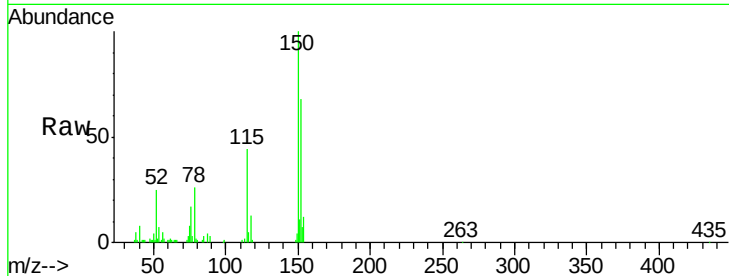


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040490.D
Acq: 15 Apr 2019 21:40

Instrument :
BNA_G
ClientSampled :

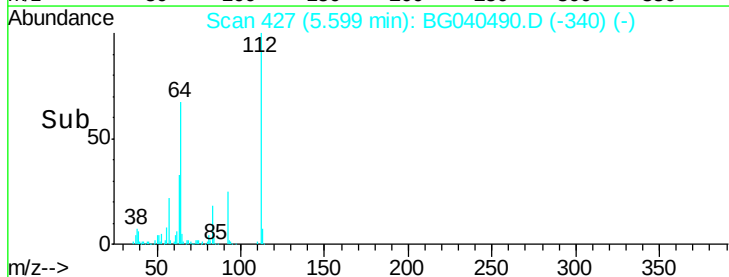
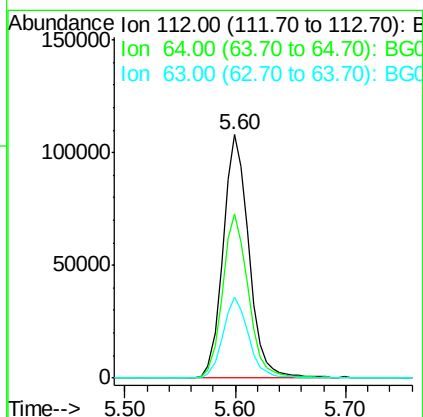
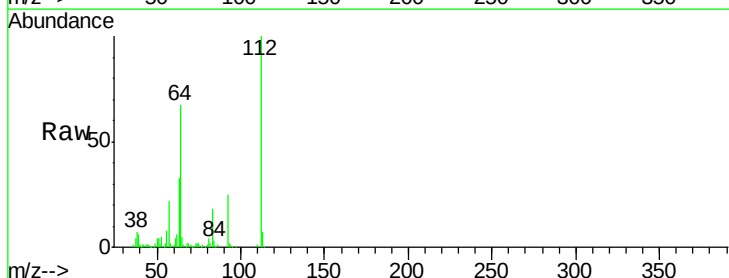
Tot Ion:152 Resp: 37262
Ion Ratio Lower Upper
152 100
150 147.0 123.7 185.5
115 64.8 46.9 70.3

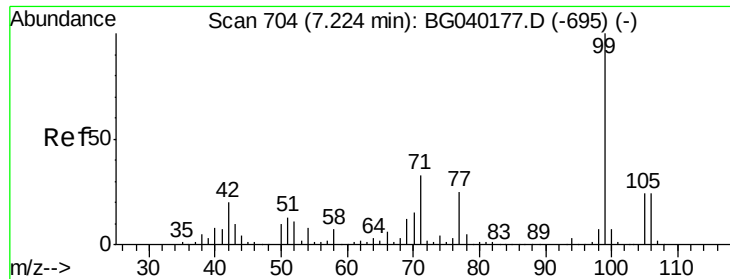


#5

2-Fluorophenol
Concen: 79.196 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.02 min
Lab File: BG040490.D
Acq: 15 Apr 2019 21:40

Tgt Ion:112 Resp: 177514
Ion Ratio Lower Upper
112 100
64 67.2 54.2 81.2
63 33.2 26.4 39.6





#7

Phenol-d6

Concen: 78.708 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Instrument :

BNA_G

ClientSampleId :

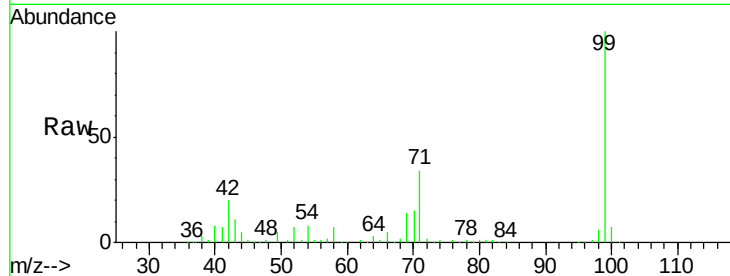
Tot Ion: 99 Resp: 243815

Ion Ratio Lower Upper

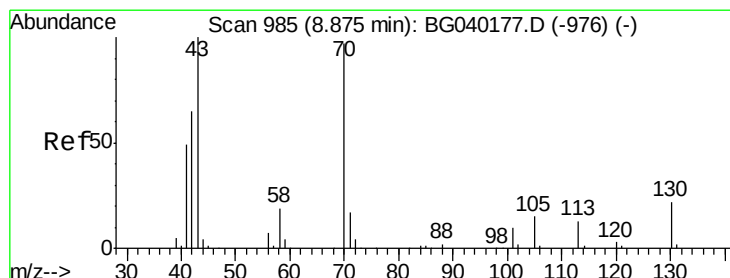
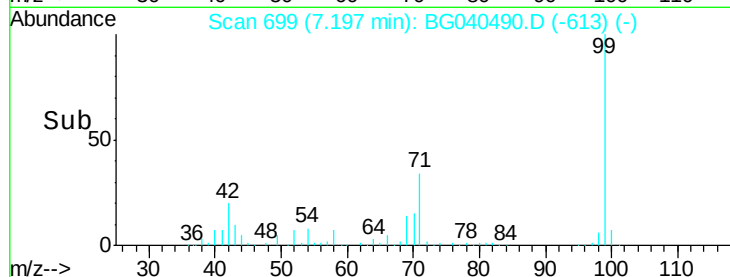
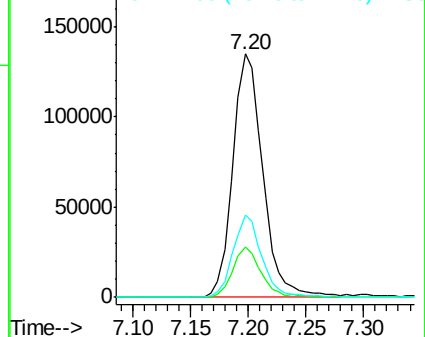
99 100

42 20.5 16.2 24.2

71 33.9 26.8 40.2



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: 8.155 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Tgt Ion: 70 Resp: 18113

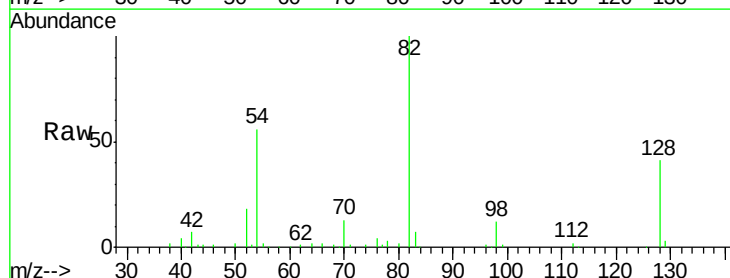
Ion Ratio Lower Upper

70 100

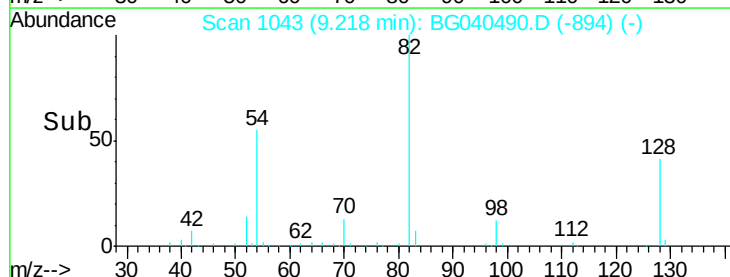
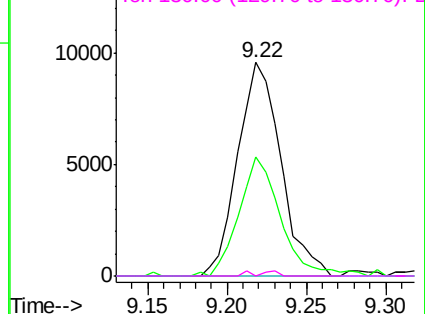
42 55.6 54.0 81.0

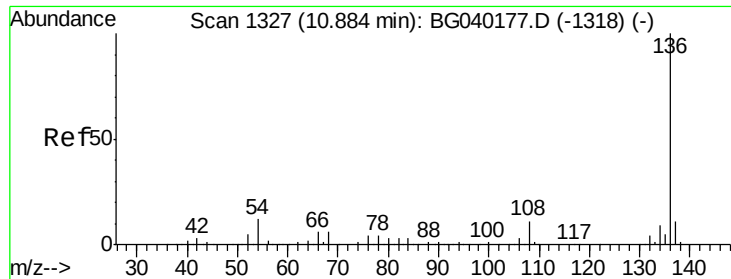
101 0.0 8.6 13.0#

130 0.0 18.2 27.2#



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

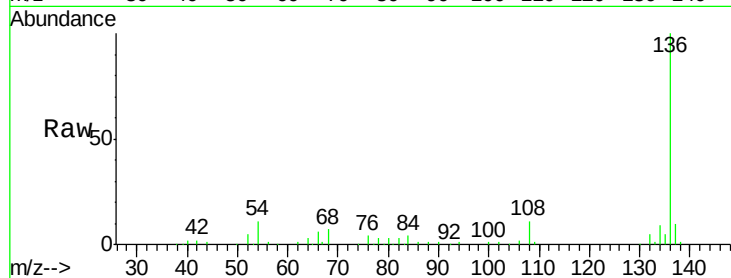




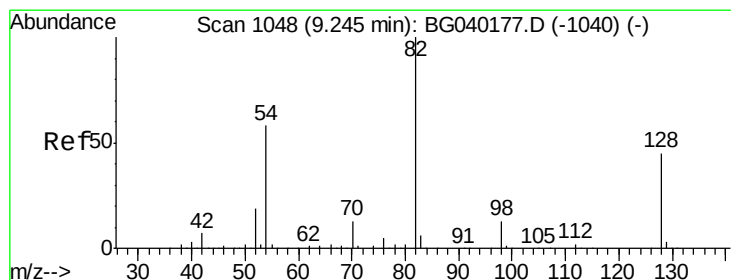
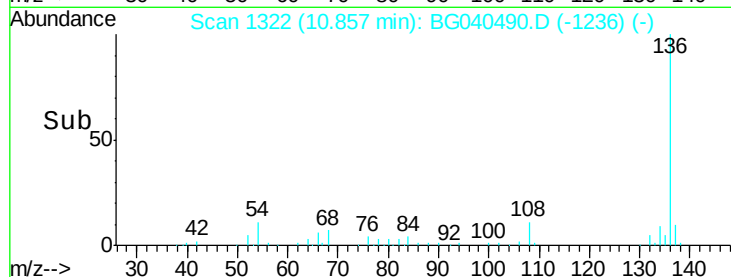
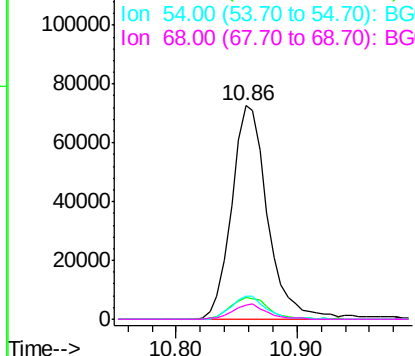
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040490.D
Acq: 15 Apr 2019 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	150223
Ion	Ratio	Lower Upper
136	100	
137	10.1	8.9 13.3
54	11.1	9.6 14.4
68	6.6	5.1 7.7

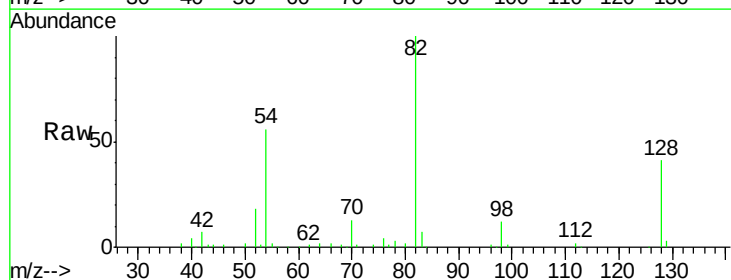


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

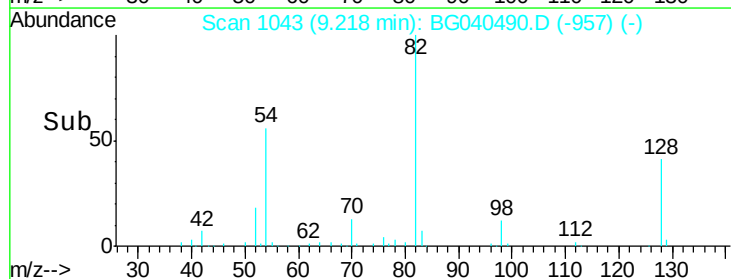
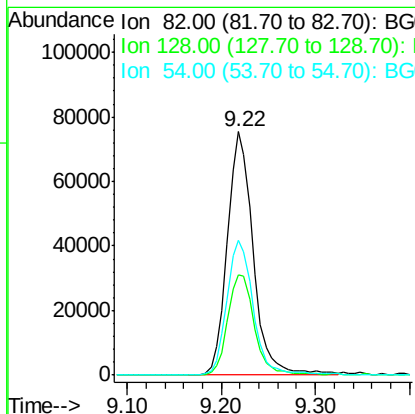


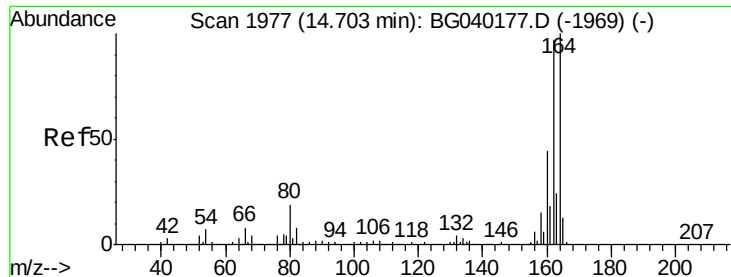
#23
Nitrobenzene-d5
Concen: 51.091 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040490.D
Acq: 15 Apr 2019 21:40

Tgt Ion: 82	Resp:	144395
Ion	Ratio	Lower Upper
82	100	
128	41.1	35.8 53.8
54	55.6	46.2 69.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Instrument :

BNA_G

ClientSampleId :

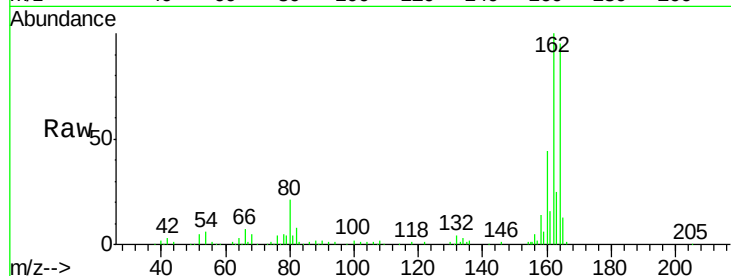
Tot Ion:164 Resp: 95804

Ion Ratio Lower Upper

164 100

162 104.9 77.4 116.2

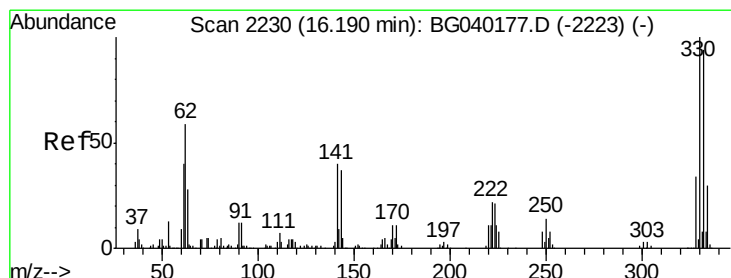
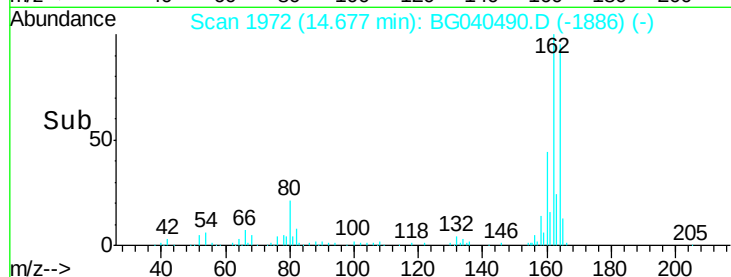
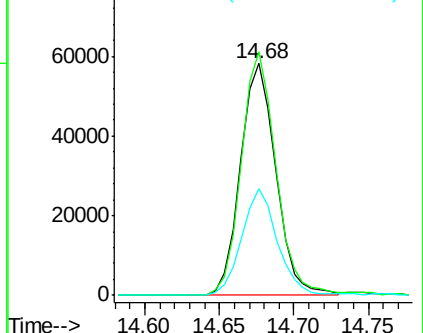
160 45.7 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 79.533 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

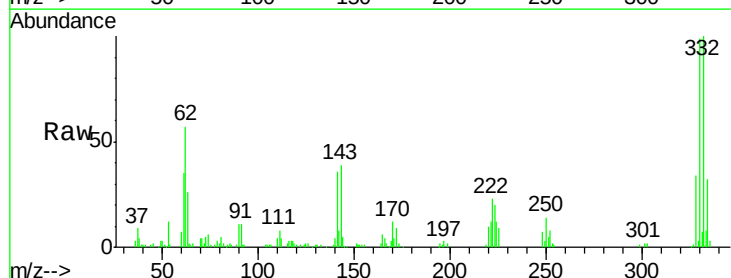
Tgt Ion:330 Resp: 82348

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

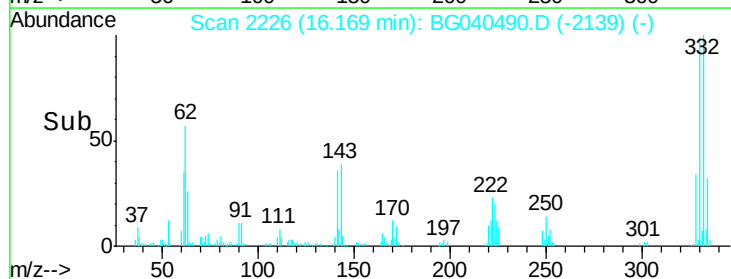
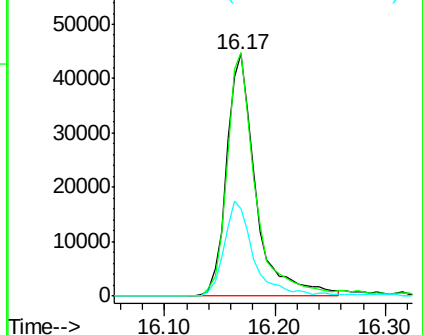
141 39.8 32.6 48.8

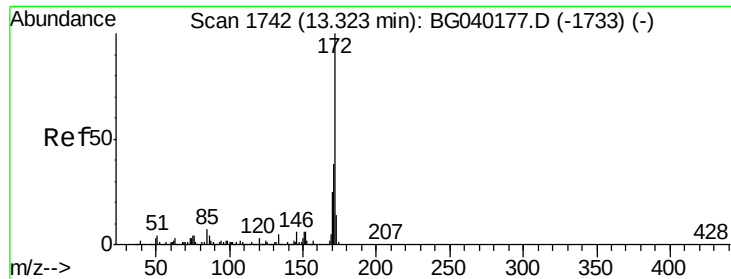


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 54.953 ng

RT: 13.30 min Scan# 1737

Delta R.T. -0.03 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

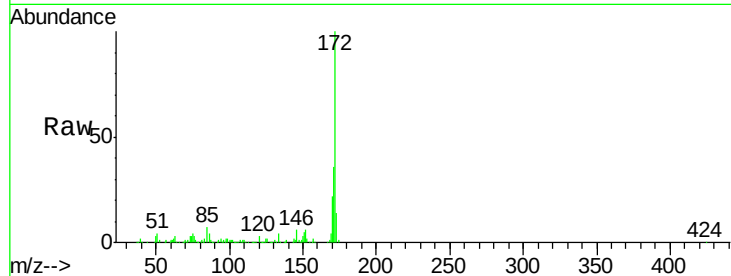
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 355303

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.5	45.7
170	22.5	20.1	30.1

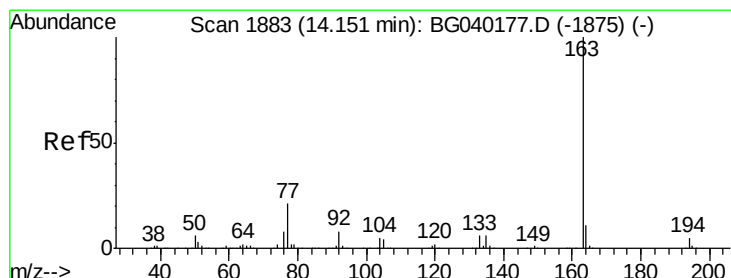
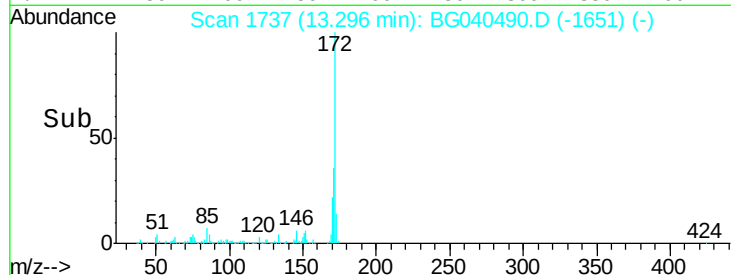
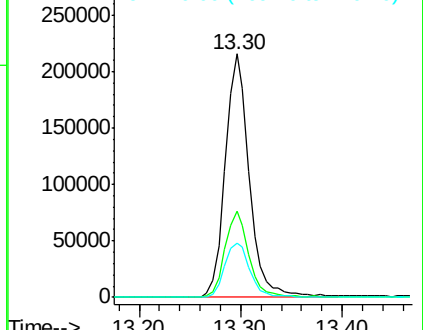


Abundance

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

Dimethylphthalate

Concen: 2.431 ng

RT: 14.13 min Scan# 1879

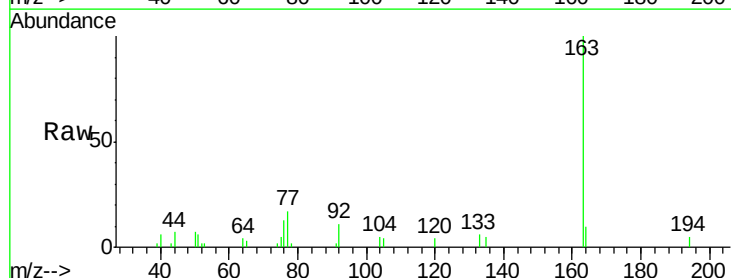
Delta R.T. -0.02 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Tgt Ion:163 Resp: 18225

Ion	Ratio	Lower	Upper
163	100		
194	5.3	4.1	6.1
164	10.5	8.6	13.0

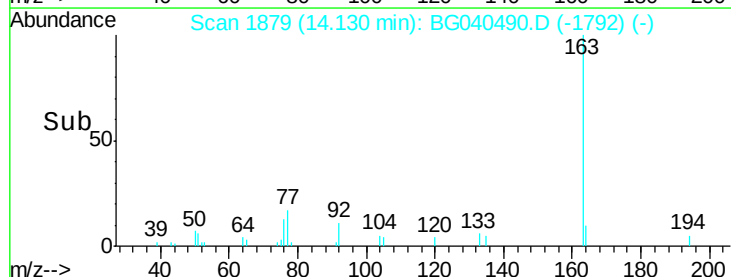
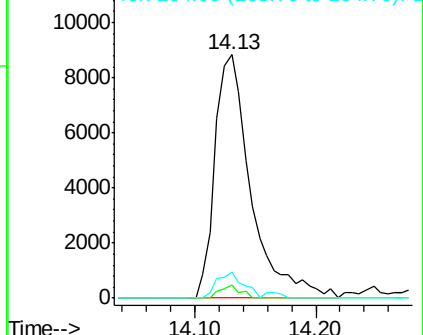


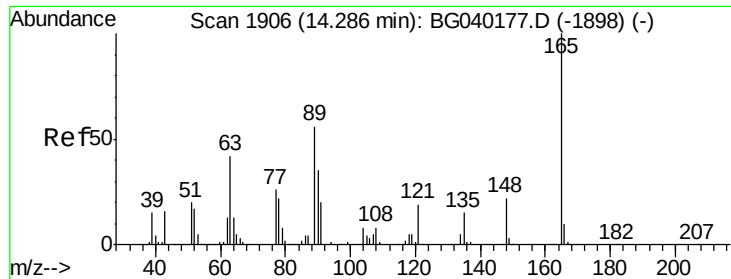
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

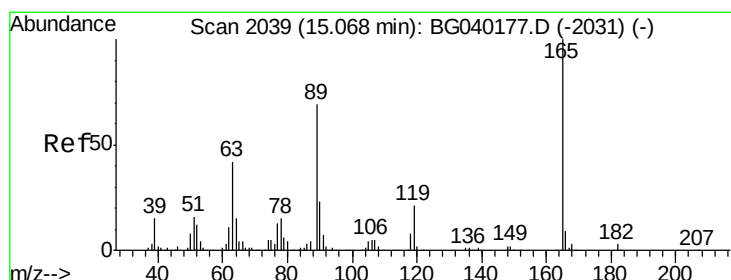
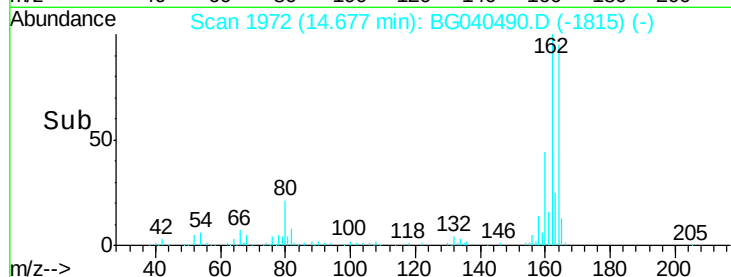
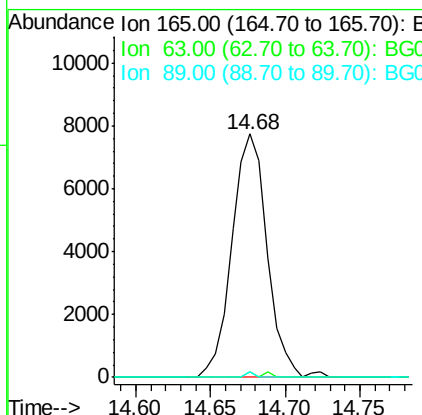
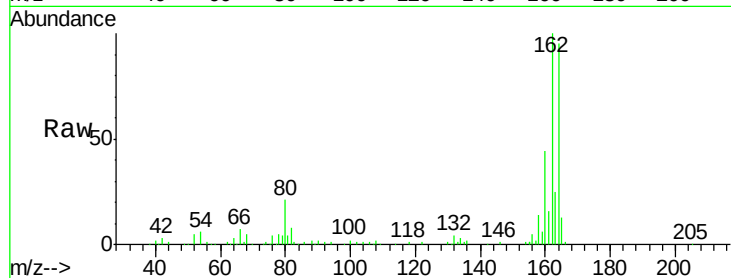




#51
 2,6-Dinitrotoluene
 Concen: 7.551 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.39 min
 Lab File: BG040490.D
 Acq: 15 Apr 2019 21:40

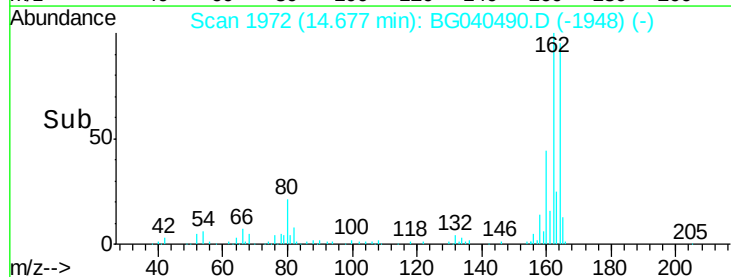
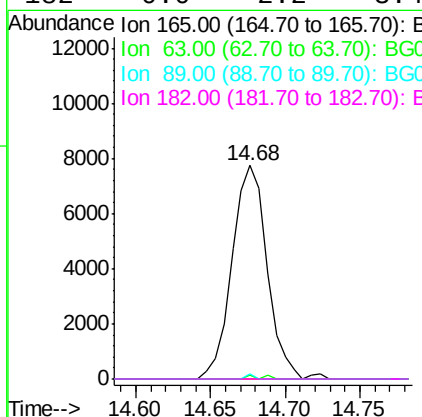
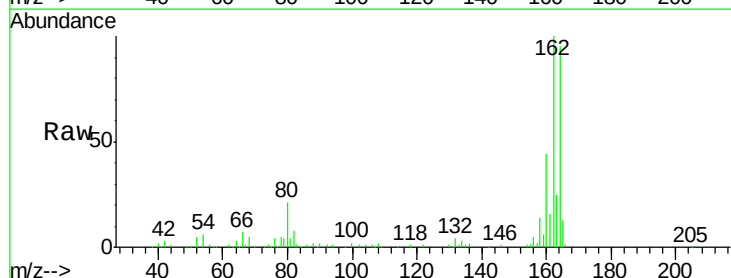
Instrument :
 BNA_G
 ClientSampleId :

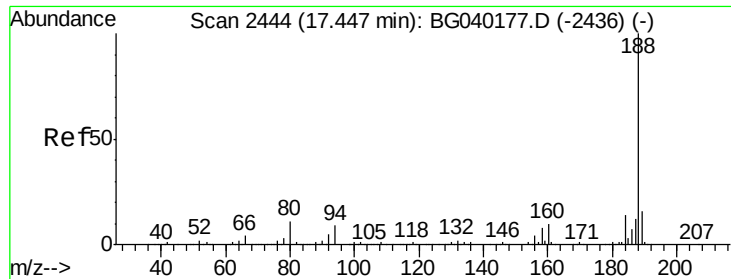
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.1	66.1#
89	2.5	44.9	67.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.434 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.39 min
 Lab File: BG040490.D
 Acq: 15 Apr 2019 21:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	33.8	50.6#
89	2.5	55.4	83.2#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Instrument :

BNA_G

ClientSampleId :

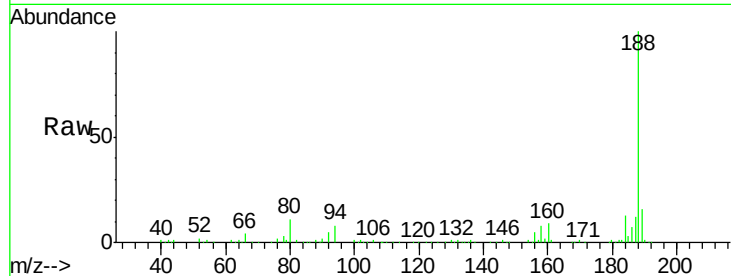
Tot Ion:188 Resp: 261746

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.4

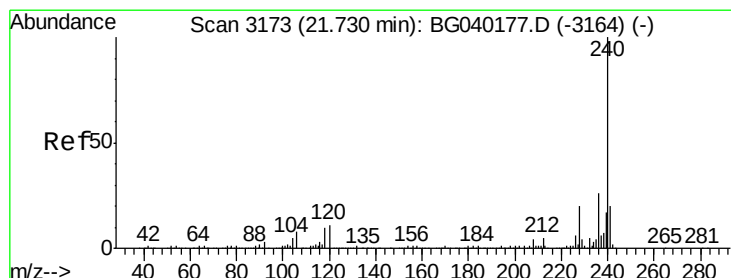
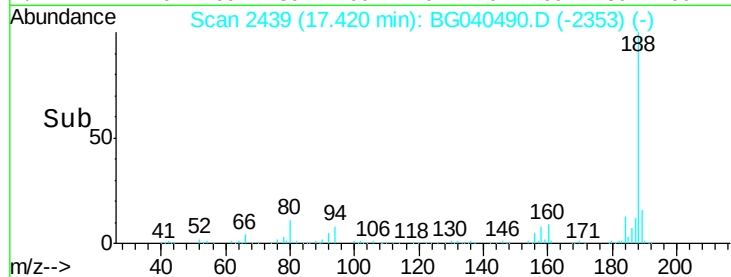
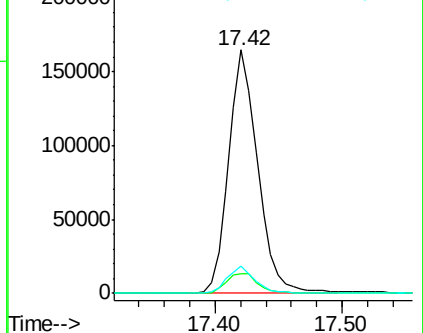
80 11.3 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.04 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

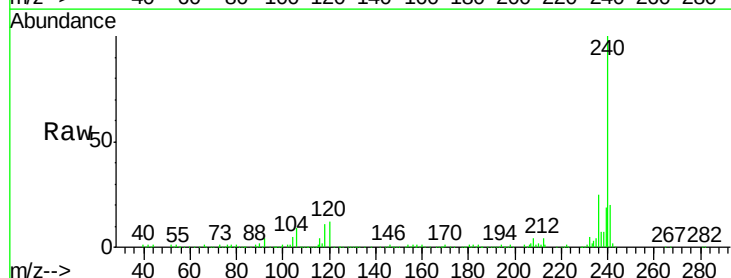
Tgt Ion:240 Resp: 263488

Ion Ratio Lower Upper

240 100

120 11.6 8.4 12.6

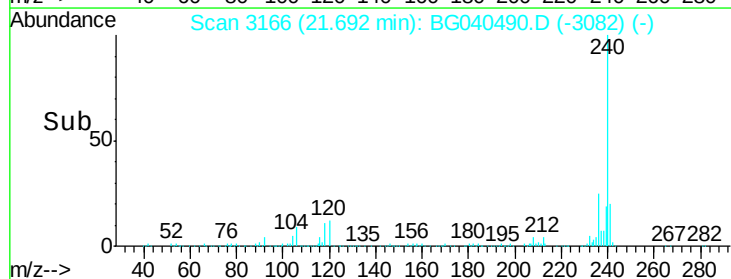
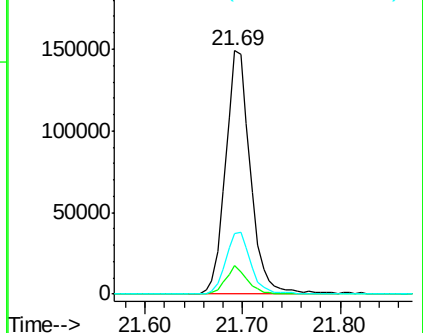
236 25.0 20.8 31.2

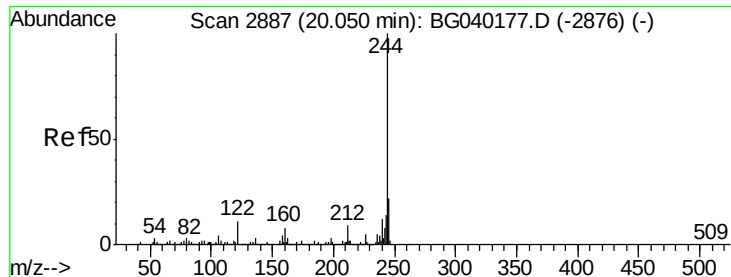


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 57.844 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

Instrument :

BNA_G

ClientSampleId :

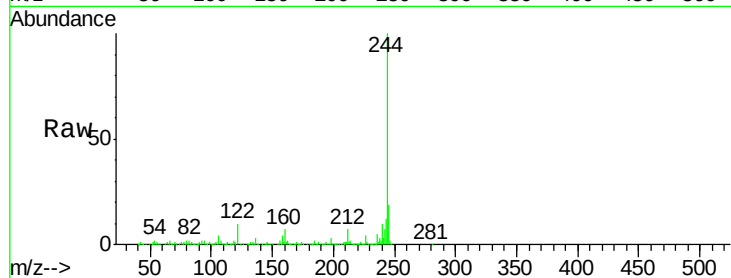
Tot Ion:244 Resp: 677493

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.6

122 10.4 8.5 12.7



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

20.02

400000

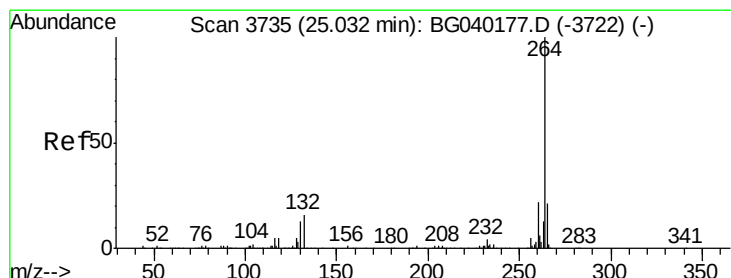
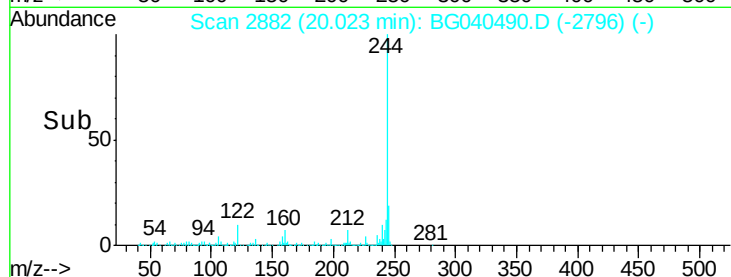
300000

200000

100000

0

Time--> 19.90 20.00 20.10



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3725

Delta R.T. -0.06 min

Lab File: BG040490.D

Acq: 15 Apr 2019 21:40

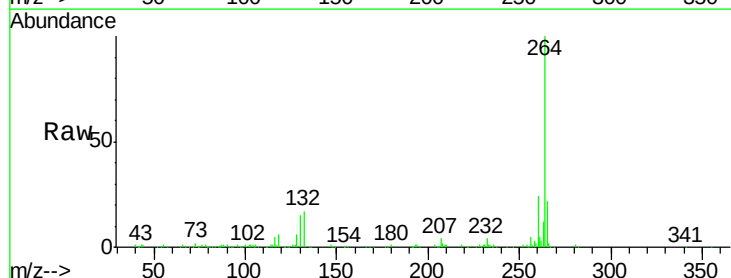
Tgt Ion:264 Resp: 282186

Ion Ratio Lower Upper

264 100

260 23.7 17.9 26.9

265 22.0 16.8 25.2



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

24.98

100000

80000

60000

40000

20000

0

Time--> 24.80 24.90 25.00 25.10

