

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041519\
 Data File : BG040487.D
 Acq On : 15 Apr 2019 19:40
 Operator : JU/SJ
 Sample : K2397-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 15 23:22:58 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

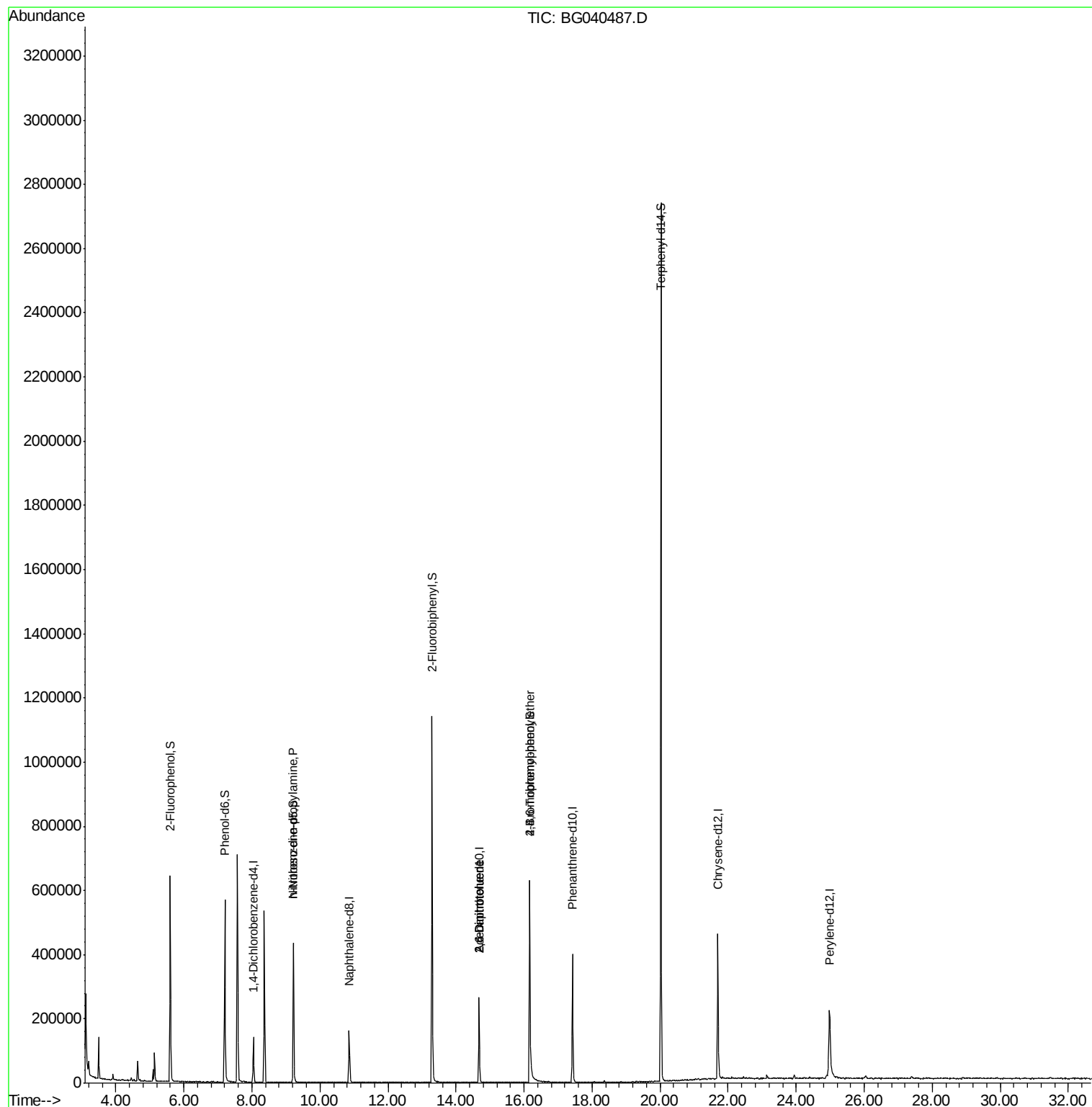
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40047	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	156639	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	98475	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	273418	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	289460	20.00	ng	-0.03
87) Perylene-d12	24.98	264	300371	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	289820	120.31	ng	-0.02
7) Phenol-d6	7.20	99	364681	109.54	ng	-0.02
23) Nitrobenzene-d5	9.22	82	277966	94.32	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	139101	130.70	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	641388	96.51	ng	-0.03
79) Terphenyl-d14	20.02	244	1250027	97.15	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	35029	14.675	ng	# 78
51) 2,6-Dinitrotoluene	14.68	165	12024	6.948	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	12024	5.001	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	10187	3.311	ng	# 1

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

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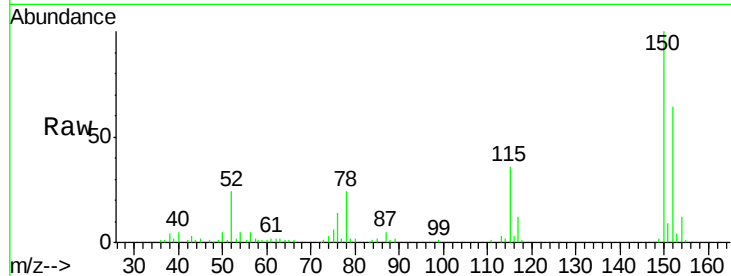


#1

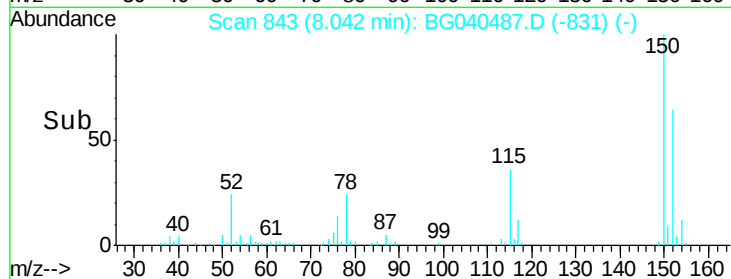
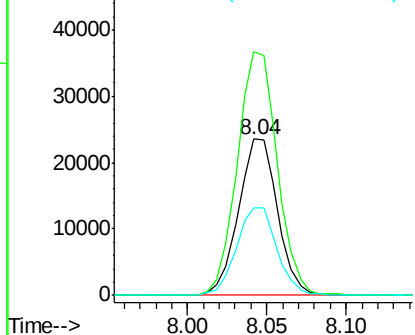
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 40047
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 55.8 46.9 70.3



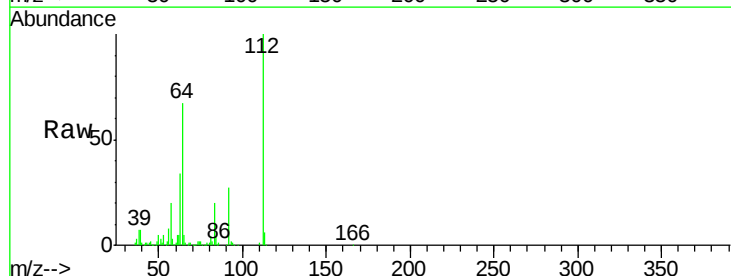
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



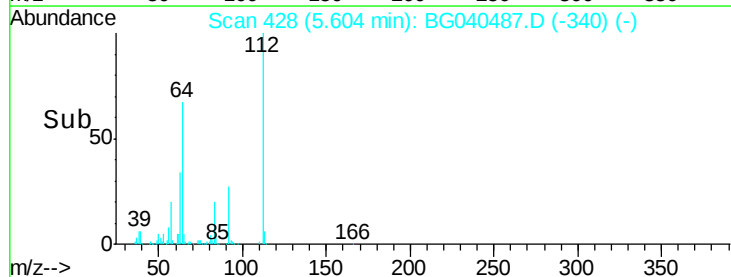
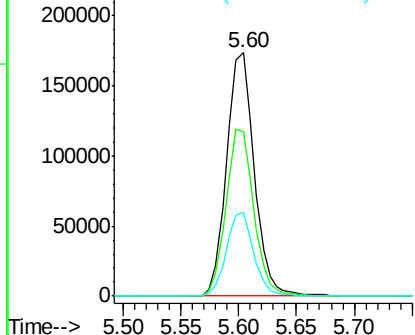
#5

2-Fluorophenol
Concen: 120.309 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

Tgt Ion:112 Resp: 289820
Ion Ratio Lower Upper
112 100
64 67.5 54.2 81.2
63 34.1 26.4 39.6



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: 109.539 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040487.D

Acq: 15 Apr 2019 19:40

Instrument :

BNA_G

ClientSampled :

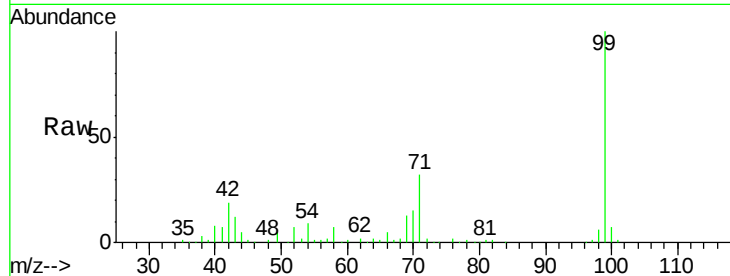
Tot Ion: 99 Resp: 364681

Ion Ratio Lower Upper

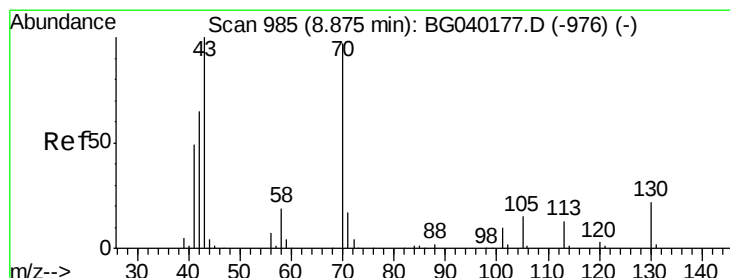
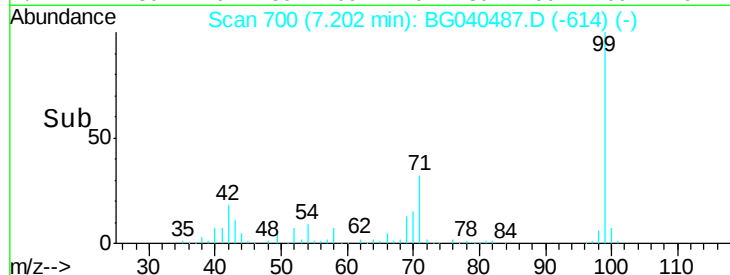
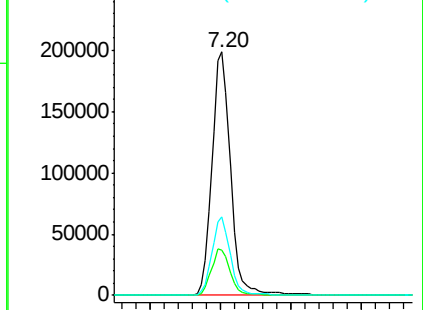
99 100

42 18.5 16.2 24.2

71 32.3 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: 14.675 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040487.D

Acq: 15 Apr 2019 19:40

Tgt Ion: 70 Resp: 35029

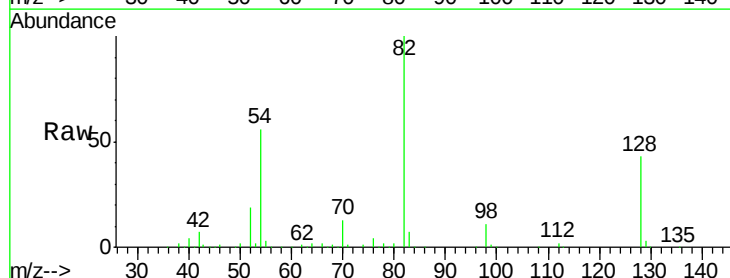
Ion Ratio Lower Upper

70 100

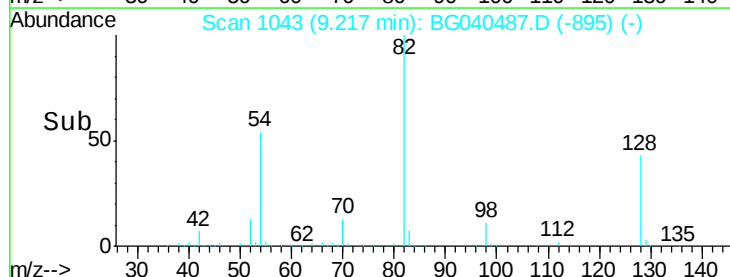
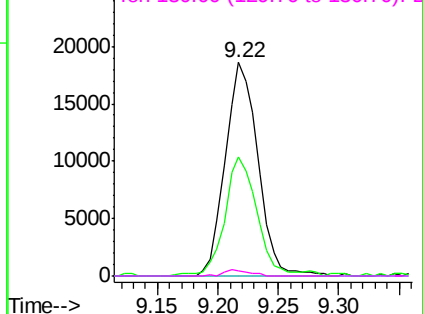
42 55.8 54.0 81.0

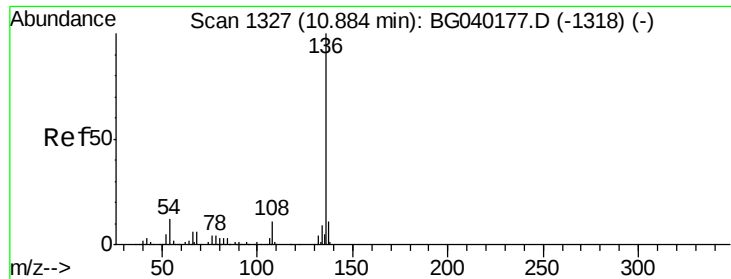
101 0.0 8.6 13.0#

130 2.6 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

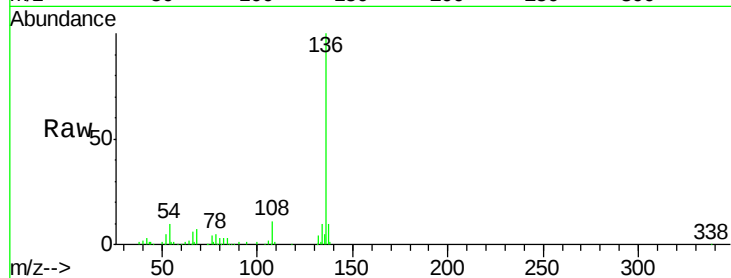




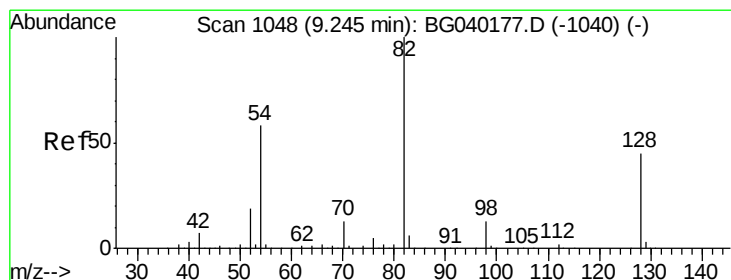
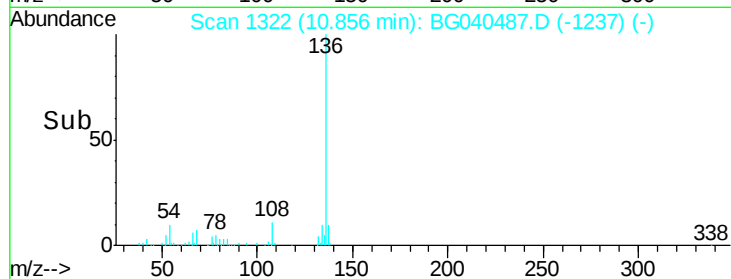
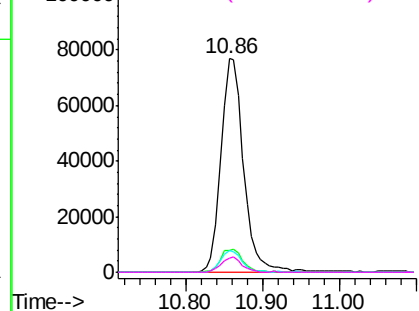
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	156639
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.9 13.3
54	9.9	9.6 14.4
68	6.7	5.1 7.7

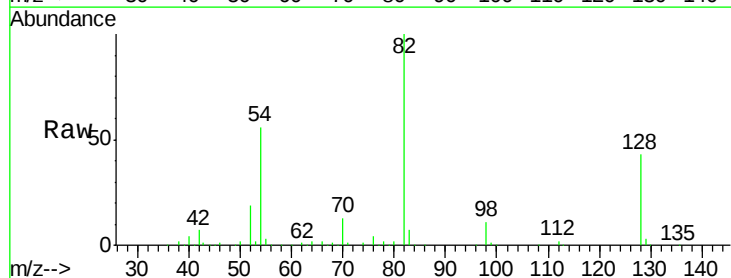


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

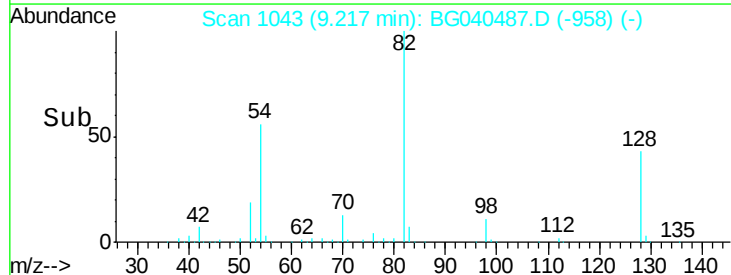
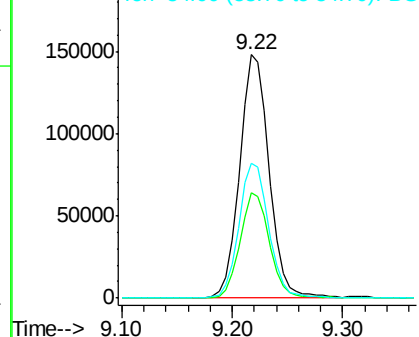


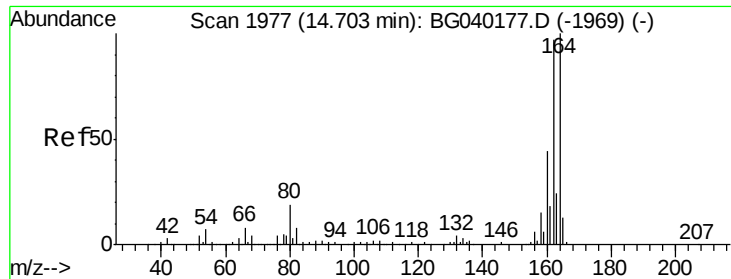
#23
Nitrobenzene-d5
Concen: 94.324 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

Tgt Ion: 82	Resp:	277966
Ion	Ratio	Lower Upper
82	100	
128	43.3	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): BGC
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: BG040487.D

Acq: 15 Apr 2019 19:40

Instrument :

BNA_G

ClientSampled :

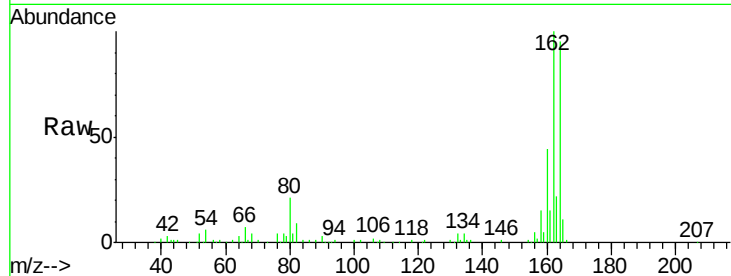
Tot Ion:164 Resp: 98475

Ion Ratio Lower Upper

164 100

162 105.0 77.4 116.2

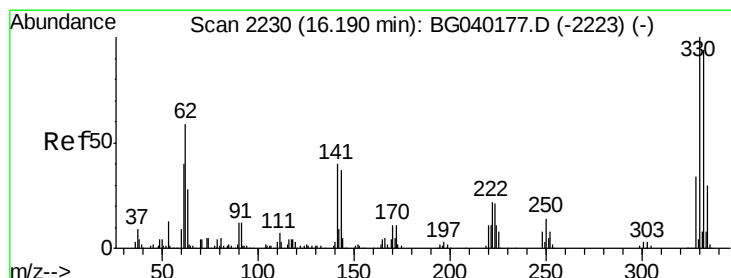
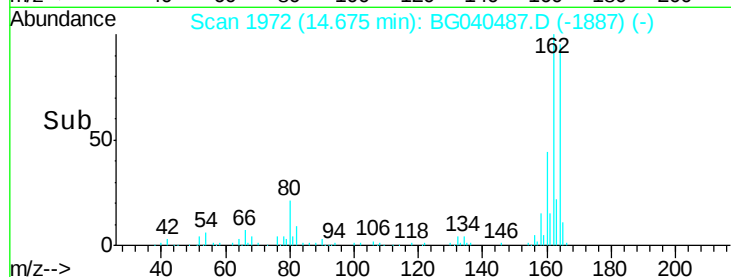
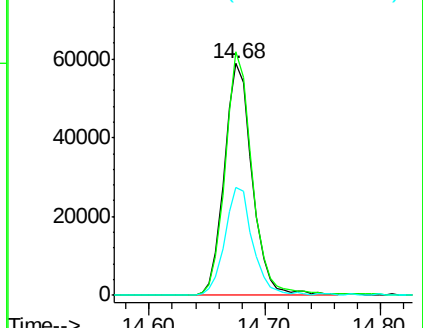
160 46.5 35.3 52.9



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: 130.702 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040487.D

Acq: 15 Apr 2019 19:40

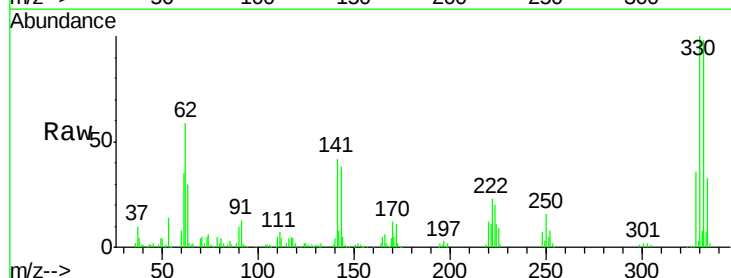
Tgt Ion:330 Resp: 139101

Ion Ratio Lower Upper

330 100

332 99.5 76.6 115.0

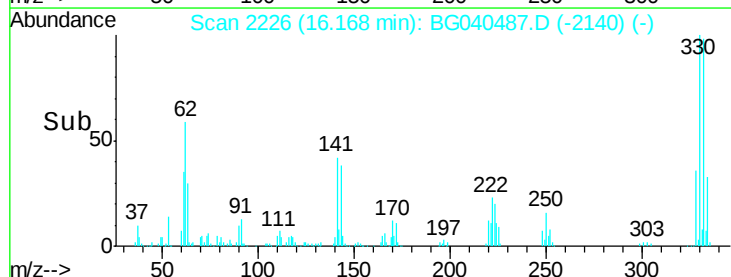
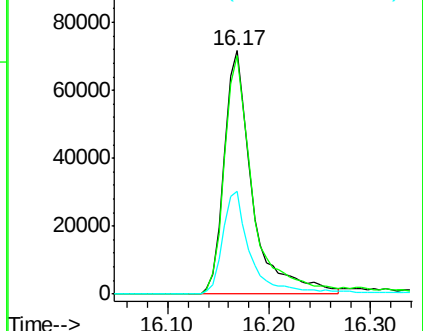
141 40.9 32.6 48.8



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

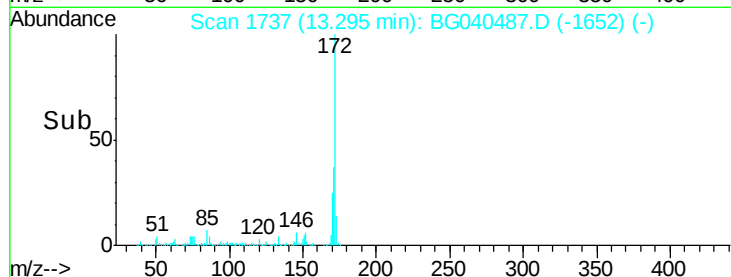
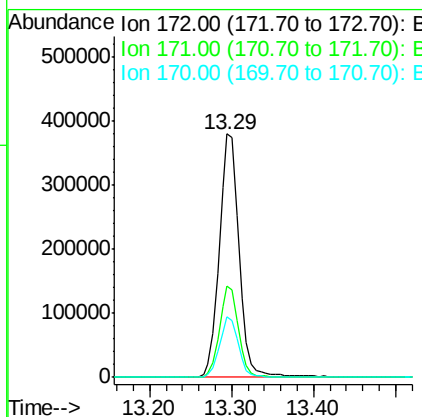
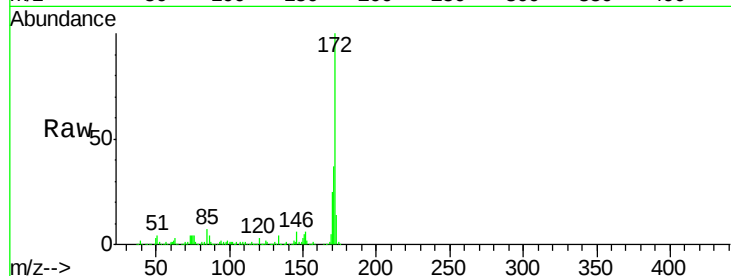




#45
2-Fluorobiphenyl
Concen: 96.510 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

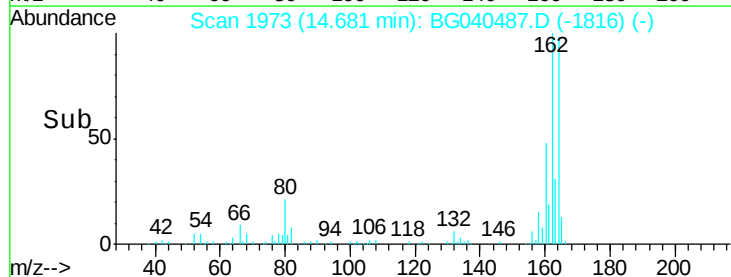
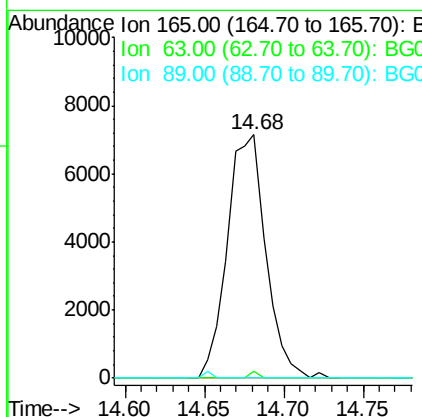
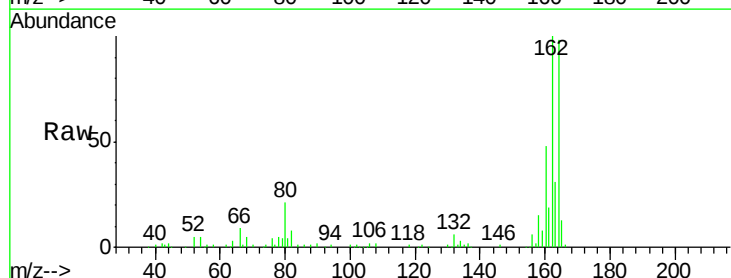
Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 641388
Ion Ratio Lower Upper
172 100
171 37.2 30.5 45.7
170 25.1 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 6.948 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.40 min
Lab File: BG040487.D
Acq: 15 Apr 2019 19:40

Tgt Ion:165 Resp: 12024
Ion Ratio Lower Upper
165 100
63 2.5 44.1 66.1#
89 0.0 44.9 67.3#

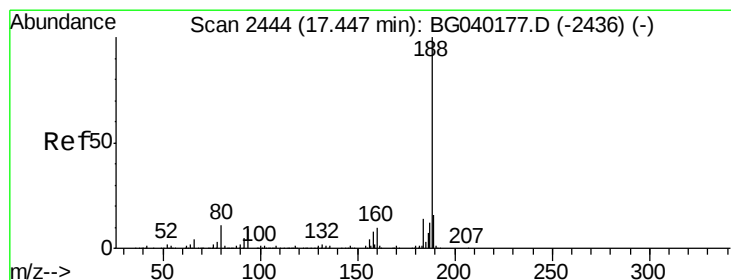
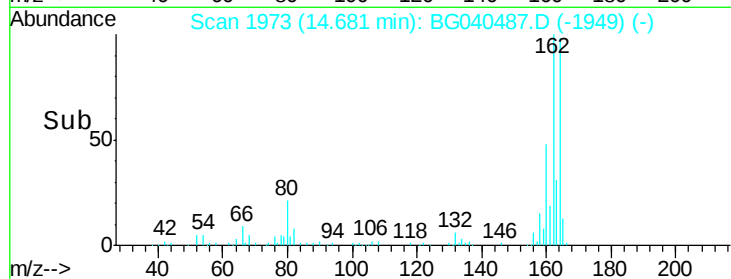
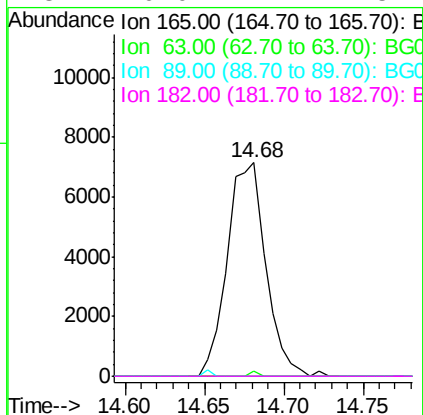
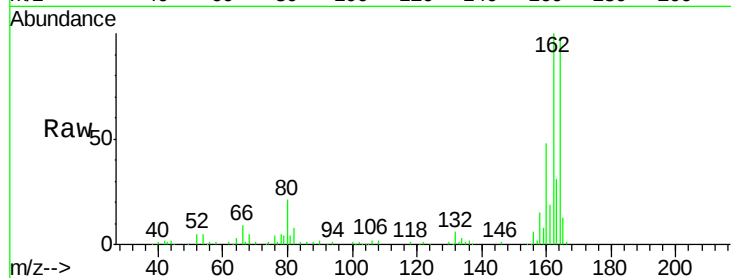




#57
 2,4-Dinitrotoluene
 Concen: 5.001 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.39 min
 Lab File: BG040487.D
 Acq: 15 Apr 2019 19:40

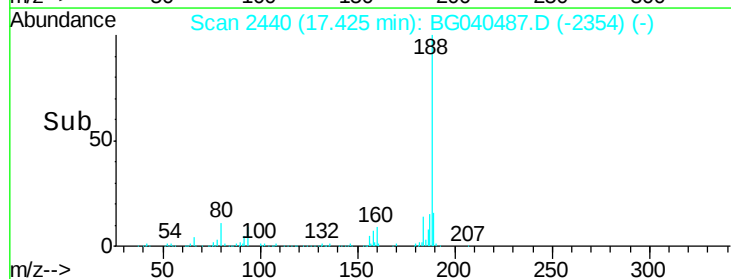
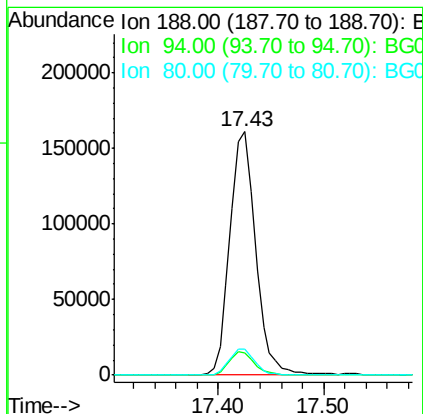
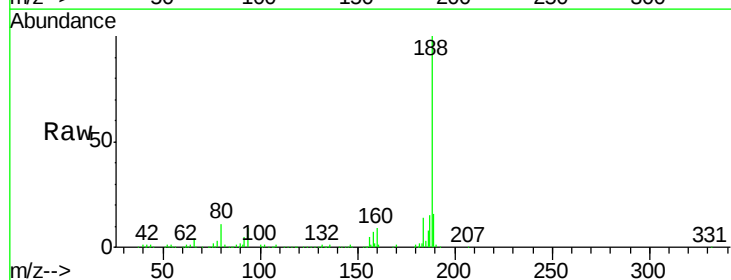
Instrument :
 BNA_G
 ClientSampleId :

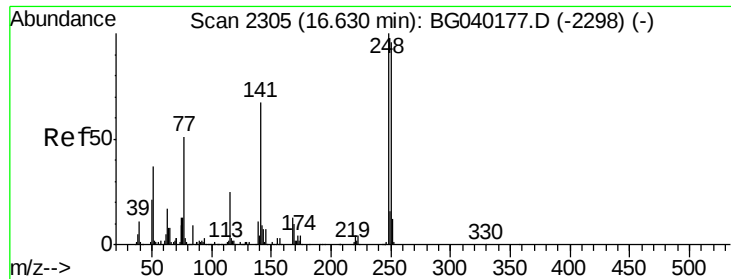
Tot Ion:165	Resp:	12024	
Ion Ratio	Lower	Upper	
165 100			
63 2.5	33.8	50.6#	
89 0.0	55.4	83.2#	
182 0.0	2.2	3.4#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040487.D
 Acq: 15 Apr 2019 19:40

Tgt Ion	188	Resp: Lower	273418 Upper
	Ratio		
188	100		
94	9.3	7.0	10.4
80	10.5	8.6	13.0

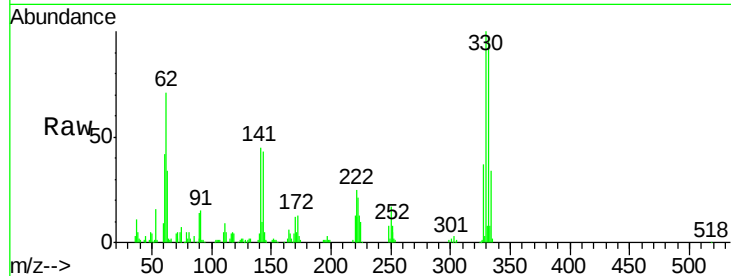




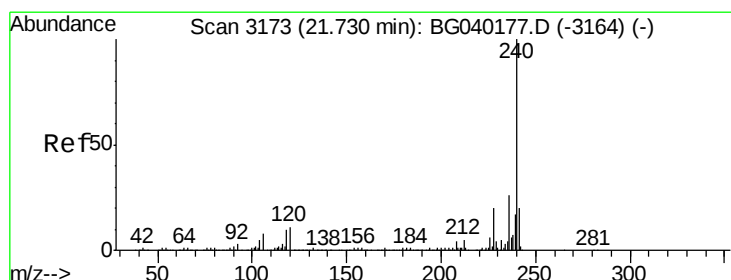
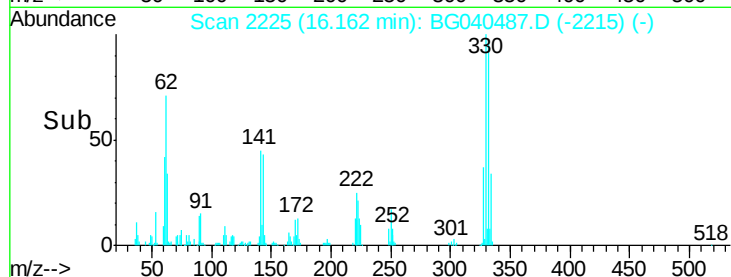
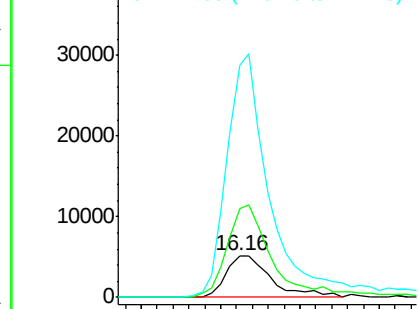
#67
 4-Bromophenyl-phenylether
 Concen: 3.311 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040487.D
 Acq: 15 Apr 2019 19:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10187
 Ion Ratio Lower Upper
 248 100
 250 212.8 76.4 114.6#
 141 560.0 53.8 80.8#

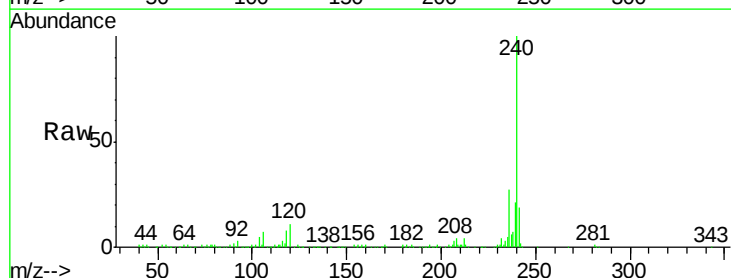


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

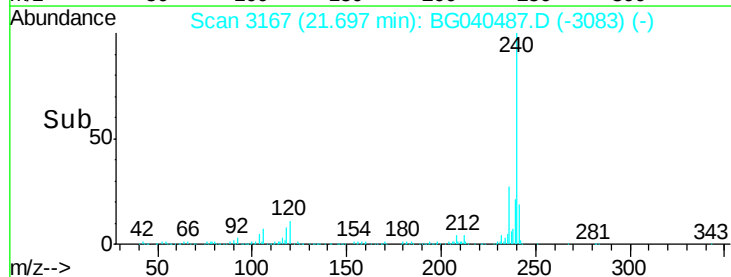
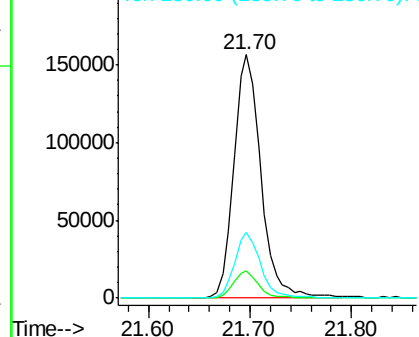


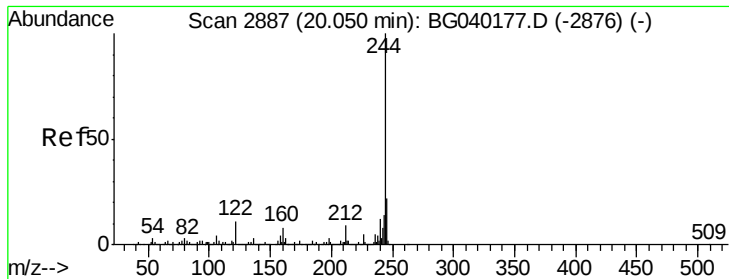
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.03 min
 Lab File: BG040487.D
 Acq: 15 Apr 2019 19:40

Tgt Ion:240 Resp: 289460
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.4 12.6
 236 26.7 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: 97.151 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040487.D

Acq: 15 Apr 2019 19:40

Instrument :

BNA_G

ClientSampleId :

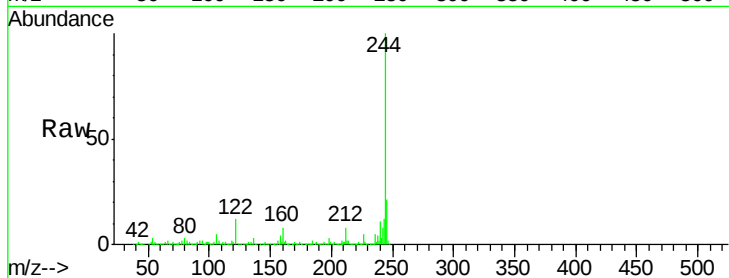
Tot Ion:244 Resp: 1250027

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

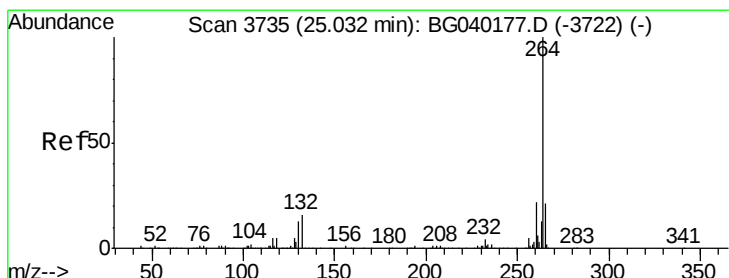
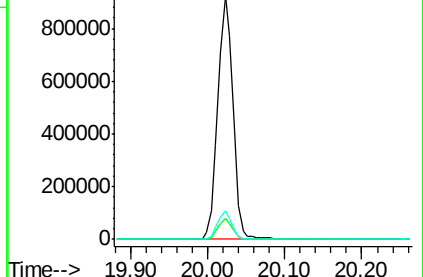
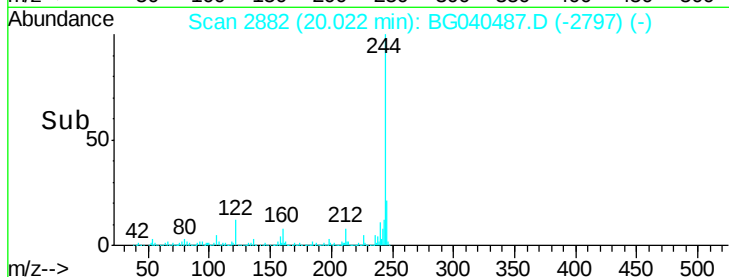
122 11.7 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. -0.05 min

Lab File: BG040487.D

Acq: 15 Apr 2019 19:40

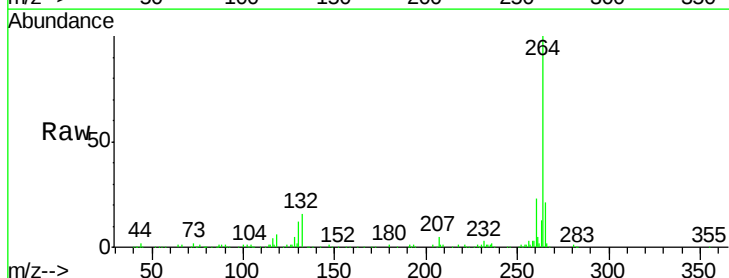
Tgt Ion:264 Resp: 300371

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 21.2 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

