

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041019\
 Data File : BG040433.D
 Acq On : 11 Apr 2019 4:25
 Operator : JU/SJ
 Sample : K2342-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 11 07:03:05 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

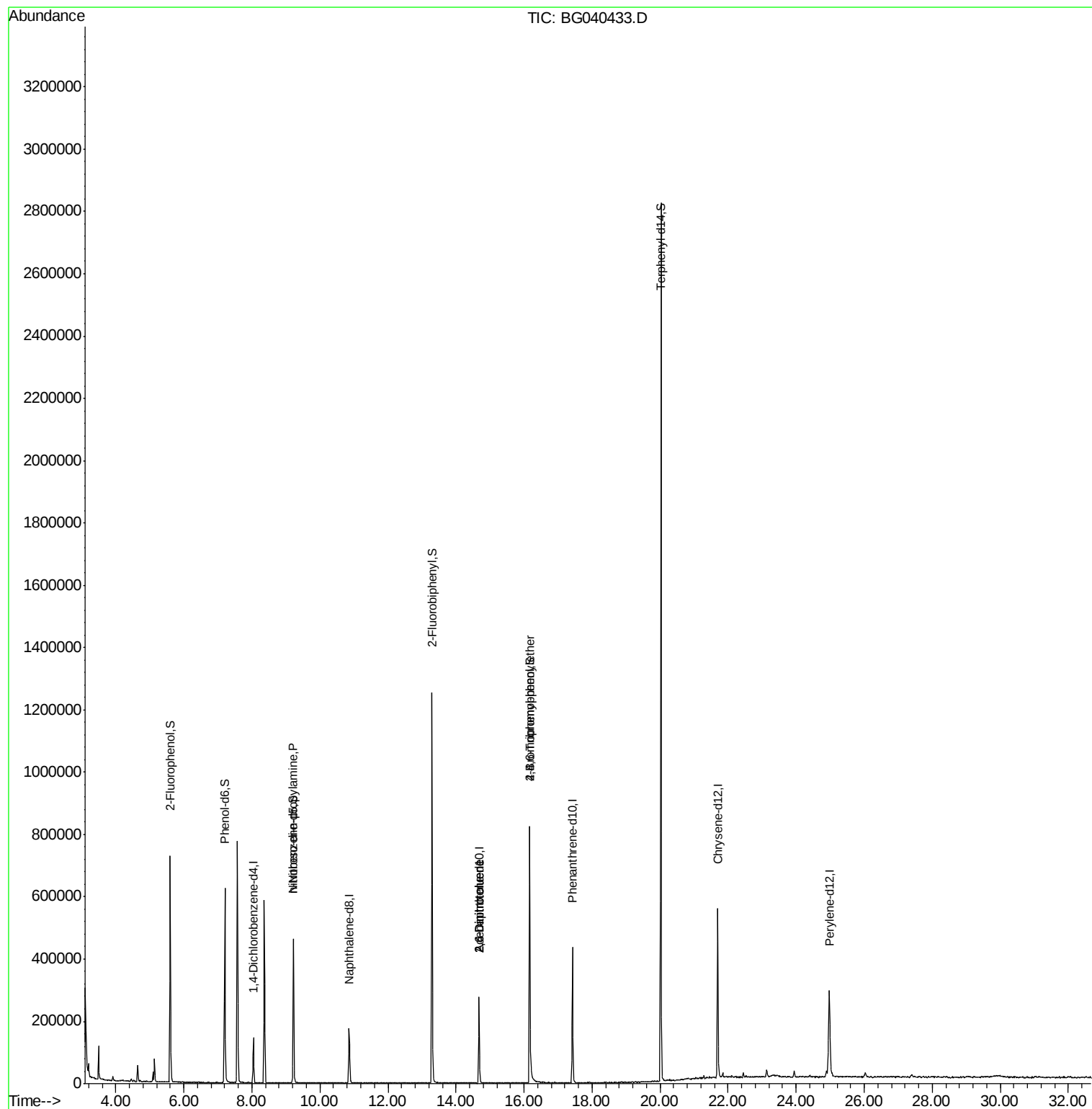
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42793	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	161451	20.00	ng	-0.03
39) Acenaphthene-d10	14.68	164	101248	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	285569	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	340502	20.00	ng	-0.04
87) Perylene-d12	24.97	264	337783	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	314485	122.17	ng	-0.02
7) Phenol-d6	7.20	99	389597	109.51	ng	-0.02
23) Nitrobenzene-d5	9.22	82	294560	96.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	171790	157.00	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	668221	97.79	ng	-0.03
79) Terphenyl-d14	20.02	244	1322291	87.36	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	36923	14.476	ng	# 70
51) 2,6-Dinitrotoluene	14.68	165	13210	7.425	ng	# 27
57) 2,4-Dinitrotoluene	14.68	165	13210	5.343	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	13195	4.106	ng	# 1

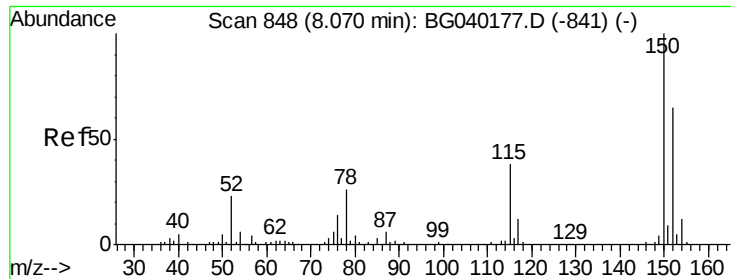
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
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QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.03 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

Instrument :

BNA_G

ClientSampleId :

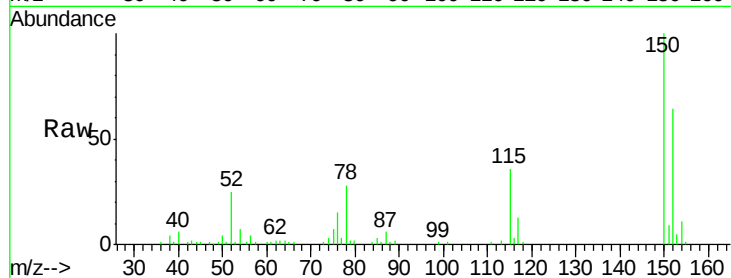
Tot Ion:152 Resp: 42793

Ion Ratio Lower Upper

152 100

150 157.2 123.7 185.5

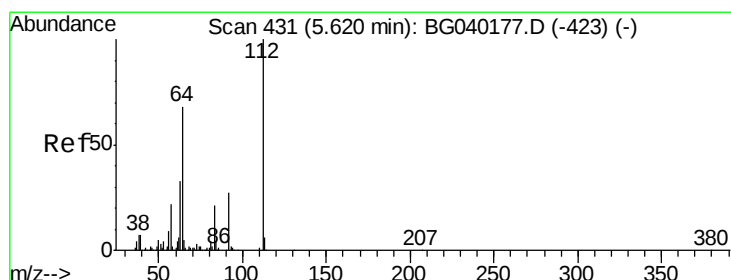
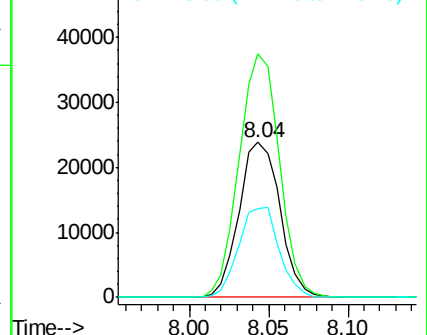
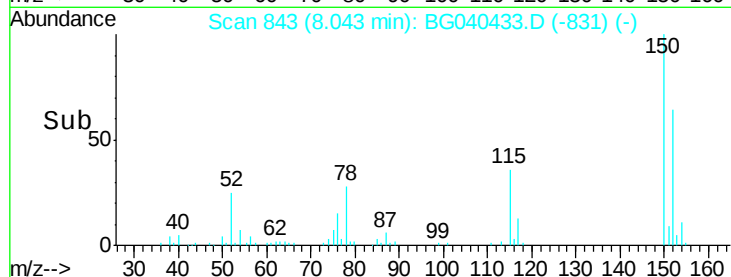
115 57.1 46.9 70.3



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: 122.170 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

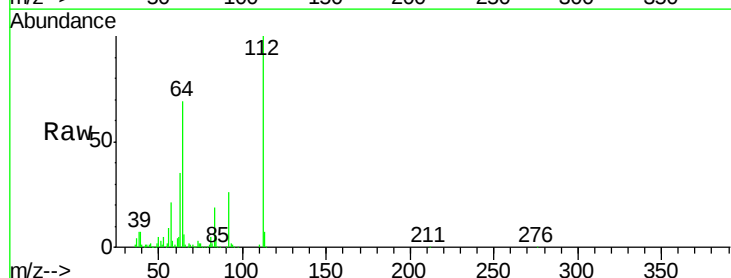
Tgt Ion:112 Resp: 314485

Ion Ratio Lower Upper

112 100

64 69.3 54.2 81.2

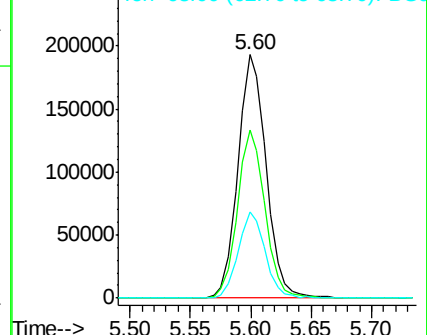
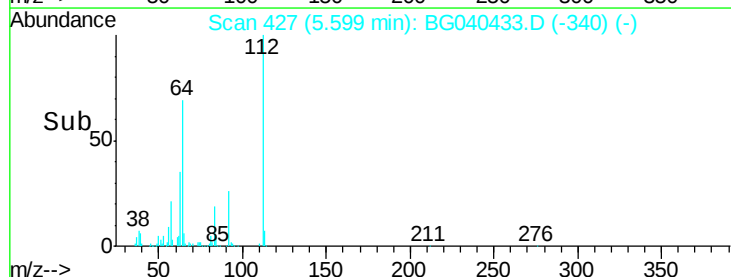
63 35.3 26.4 39.6

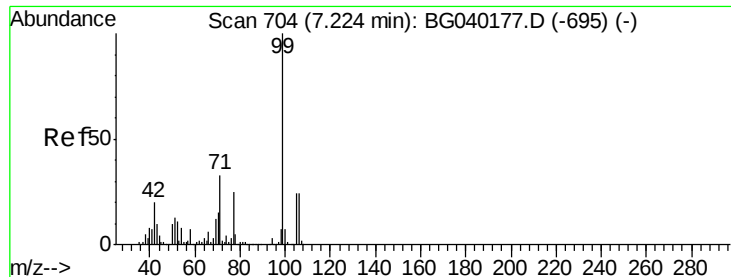


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.514 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

Instrument :

BNA_G

ClientSampled :

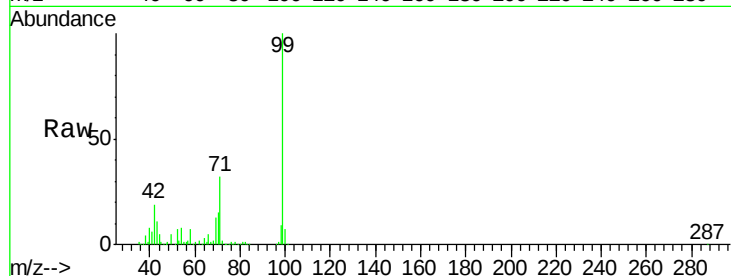
Tot Ion: 99 Resp: 389597

Ion Ratio Lower Upper

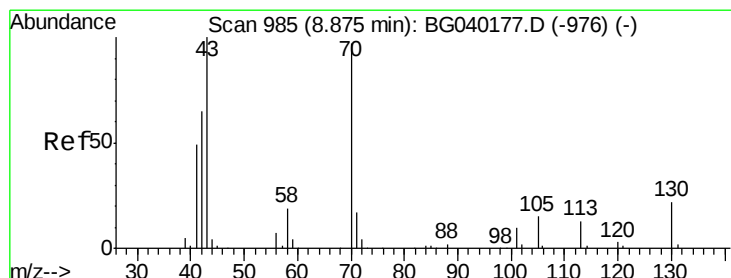
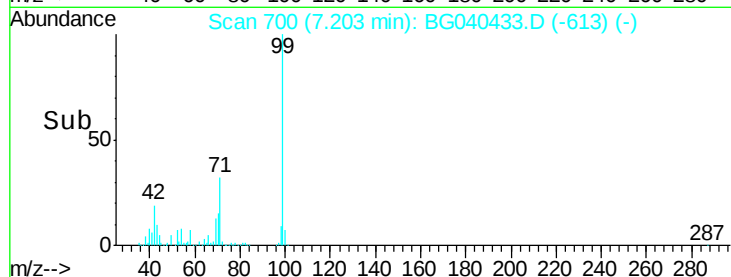
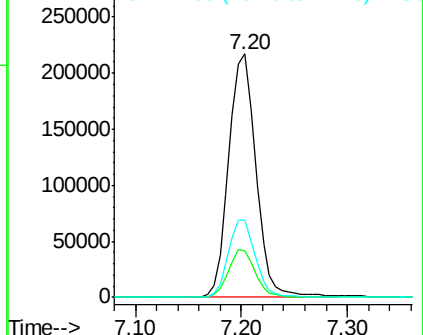
99 100

42 19.0 16.2 24.2

71 31.8 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: 14.476 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

Tgt Ion: 70 Resp: 36923

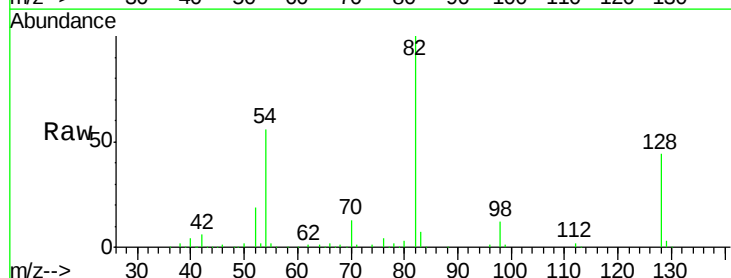
Ion Ratio Lower Upper

70 100

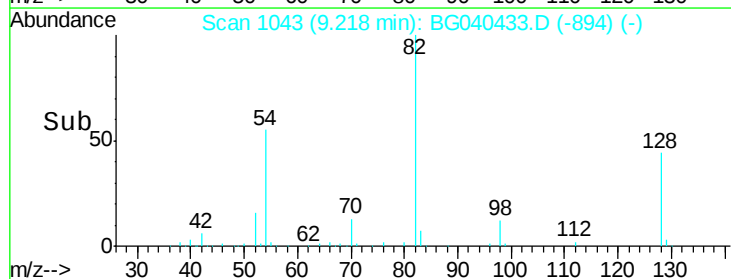
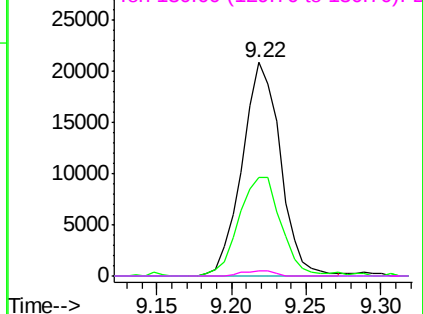
42 46.1 54.0 81.0#

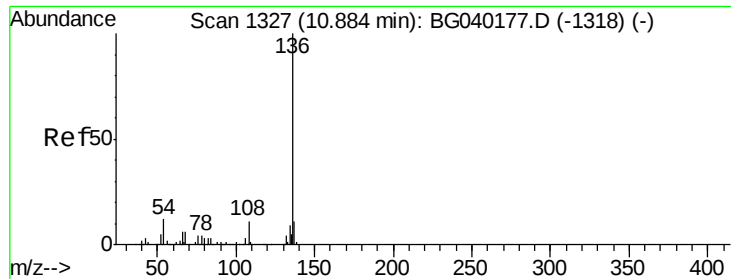
101 0.0 8.6 13.0#

130 2.4 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

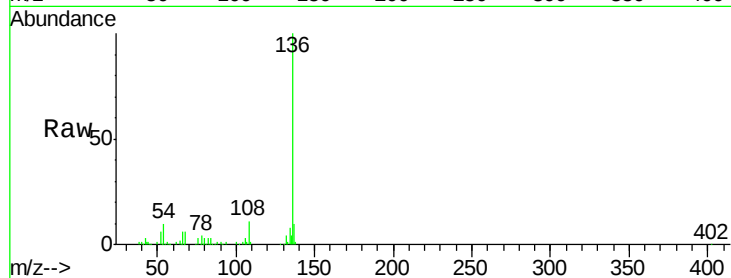




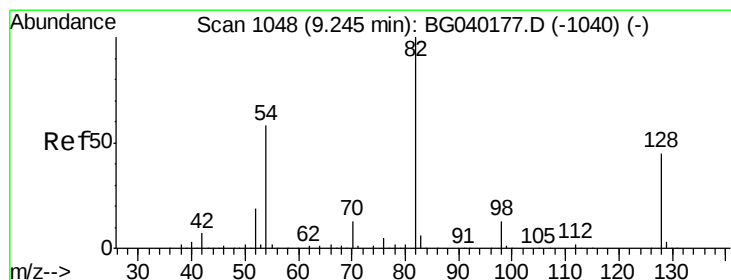
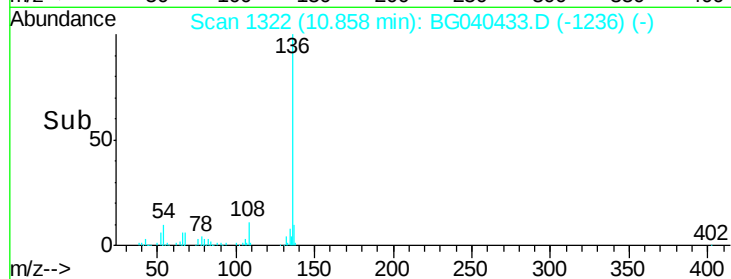
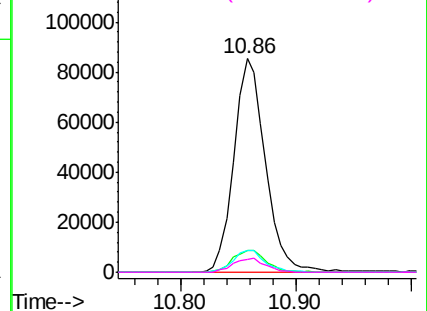
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	161451
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.9 13.3
54	10.2	9.6 14.4
68	6.3	5.1 7.7

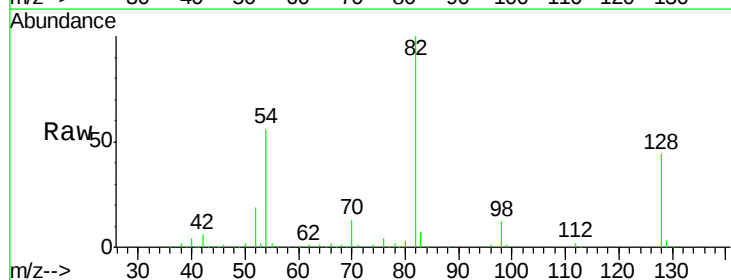


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

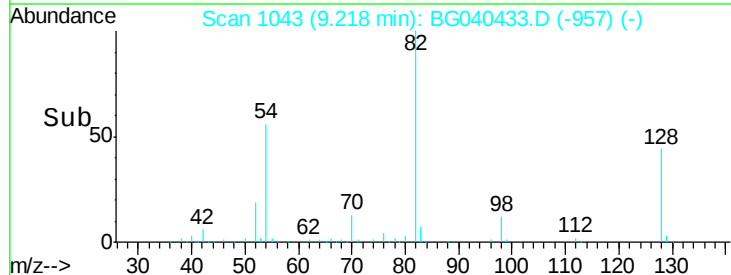
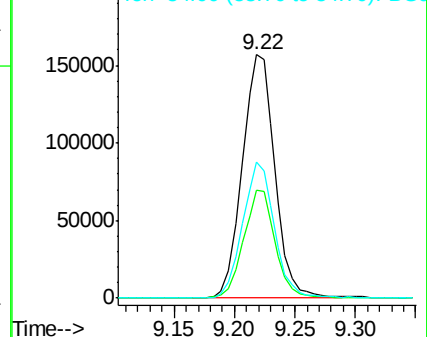


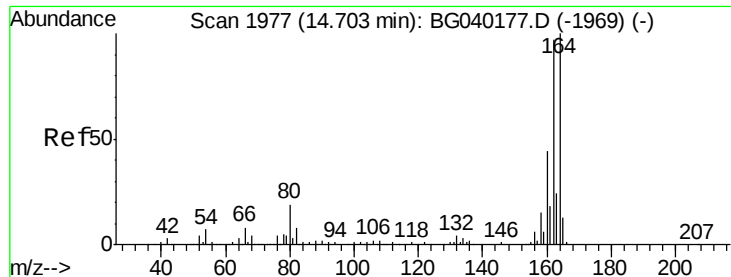
#23
Nitrobenzene-d5
Concen: 96.976 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

Tgt Ion: 82	Resp:	294560
Ion Ratio	Lower	Upper
82	100	
128	44.2	35.8 53.8
54	56.0	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: BG040433.D

Acq: 11 Apr 2019 4:25

Instrument :

BNA_G

ClientSampleId :

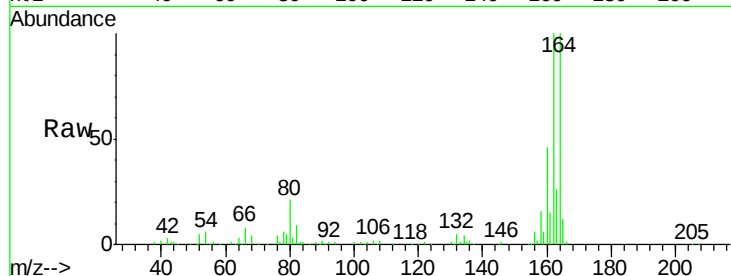
Tot Ion:164 Resp: 101248

Ion Ratio Lower Upper

164 100

162 100.1 77.4 116.2

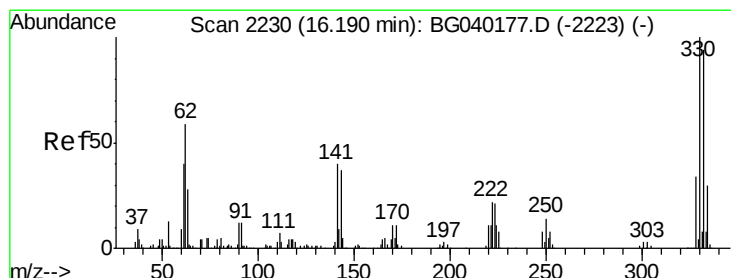
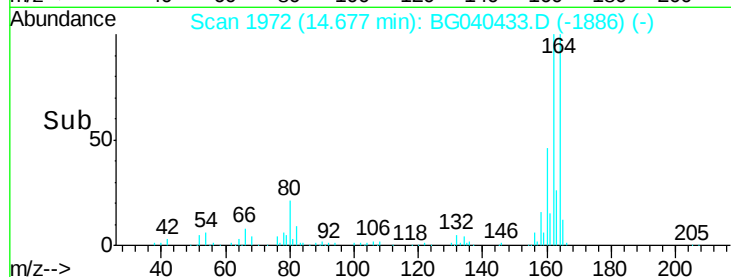
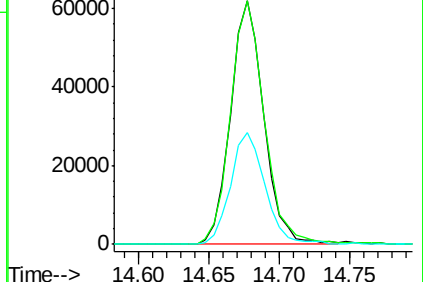
160 45.7 35.3 52.9



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: 156.997 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

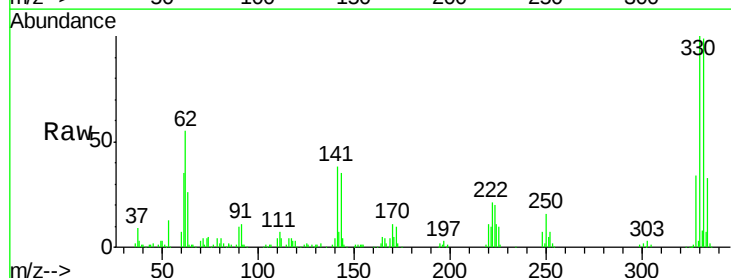
Tgt Ion:330 Resp: 171790

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

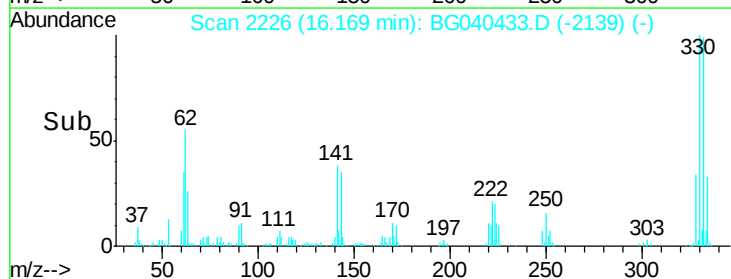
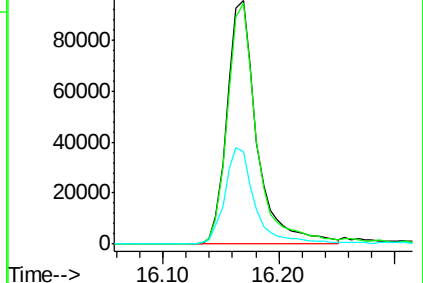
141 40.3 32.6 48.8

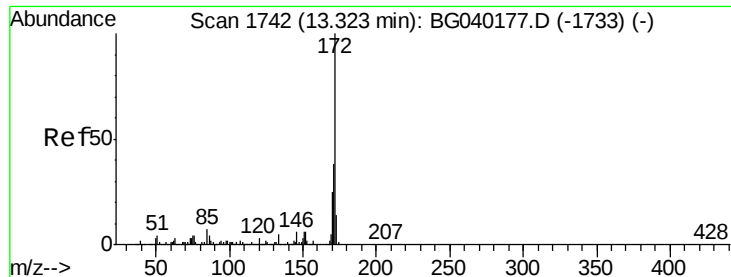


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

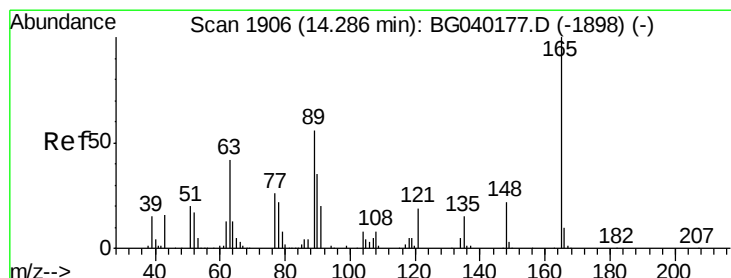
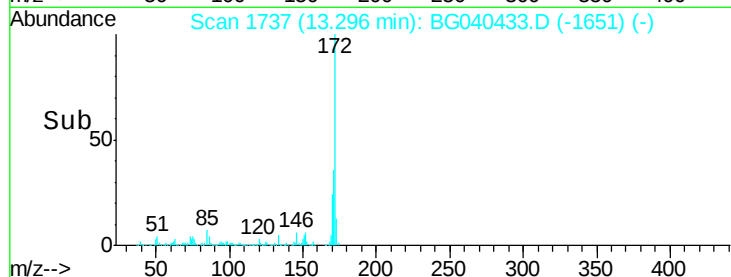
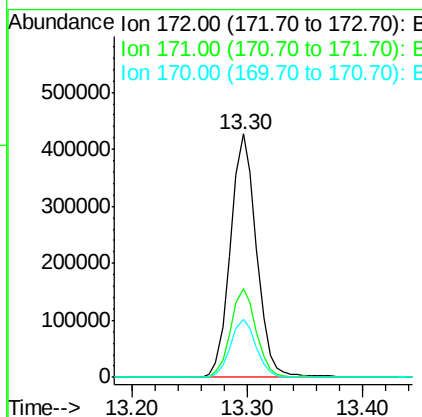
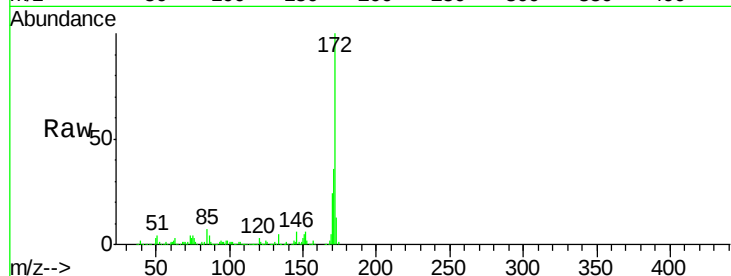




#45
2-Fluorobiphenyl
Concen: 97.794 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

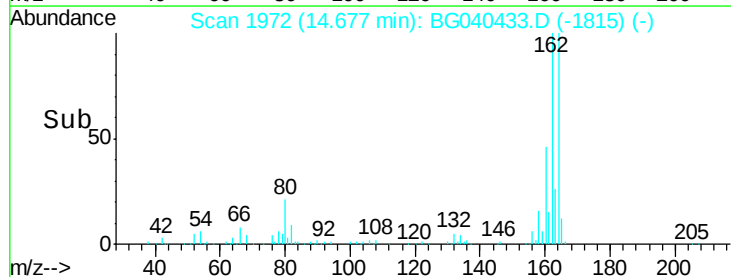
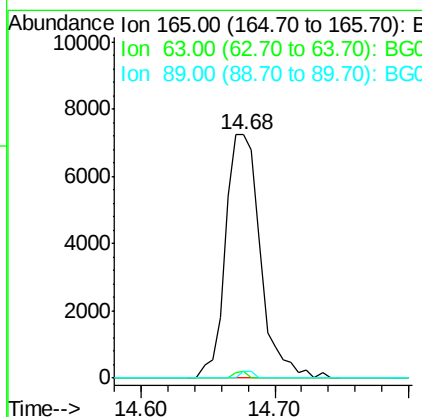
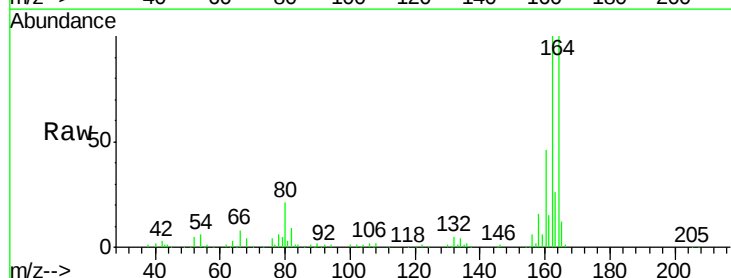
Instrument :
BNA_G
ClientSampleId :

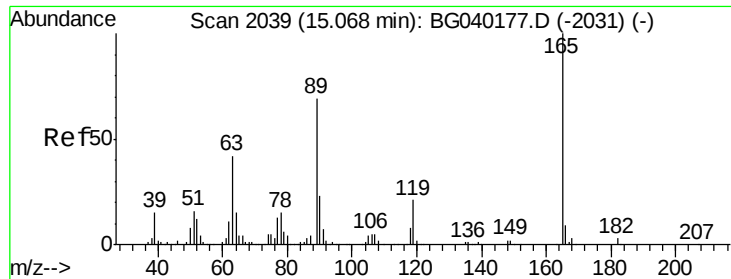
Tot Ion:172 Resp: 668221
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 24.1 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.425 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.39 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

Tgt Ion:165 Resp: 13210
Ion Ratio Lower Upper
165 100
63 2.9 44.1 66.1#
89 2.7 44.9 67.3#

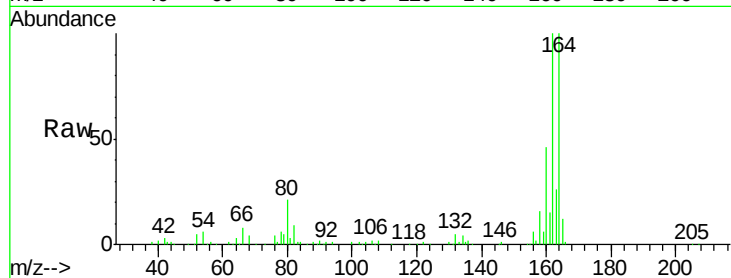




#57
2,4-Dinitrotoluene
Concen: 5.343 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.39 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	33.8	50.6#
89	2.7	55.4	83.2#
182	0.0	2.2	3.4#

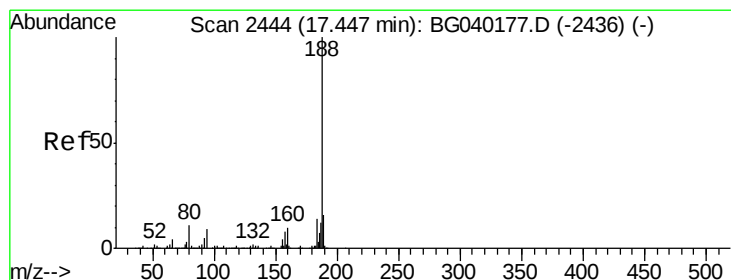
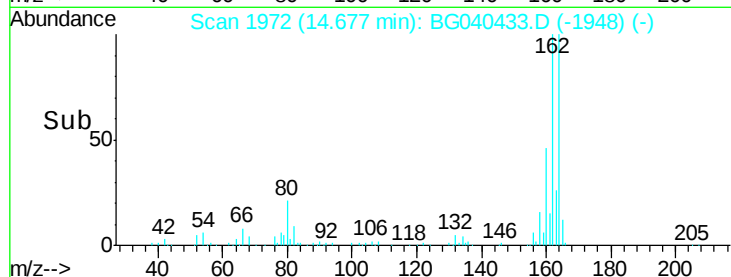
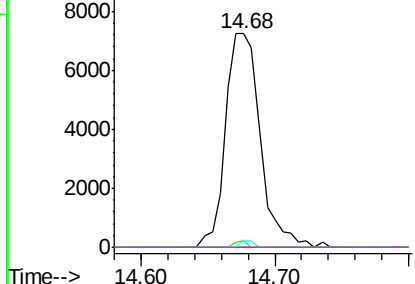


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

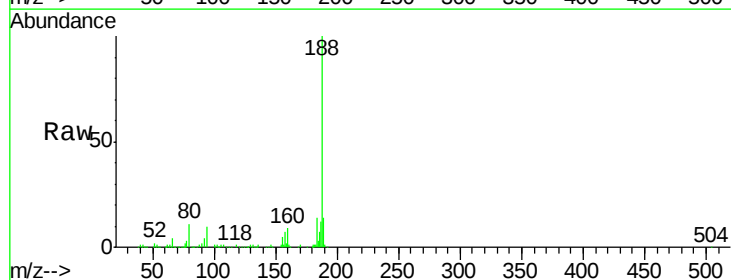
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.03 min
Lab File: BG040433.D
Acq: 11 Apr 2019 4:25

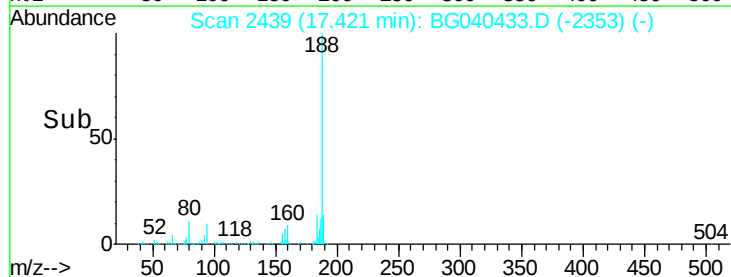
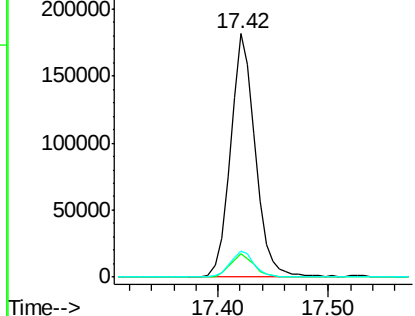
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.0	10.4
80	10.7	8.6	13.0

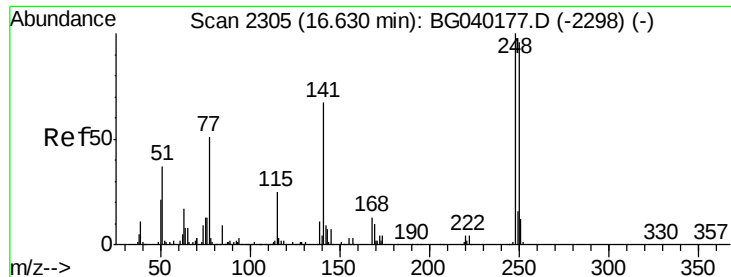


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

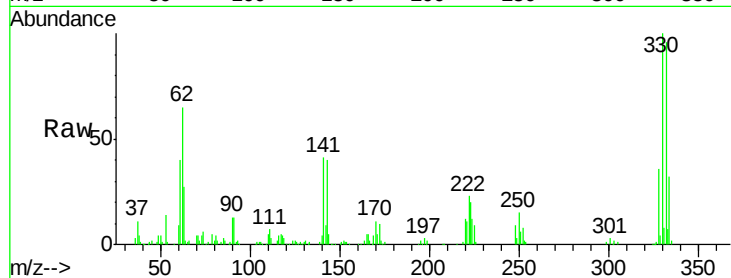




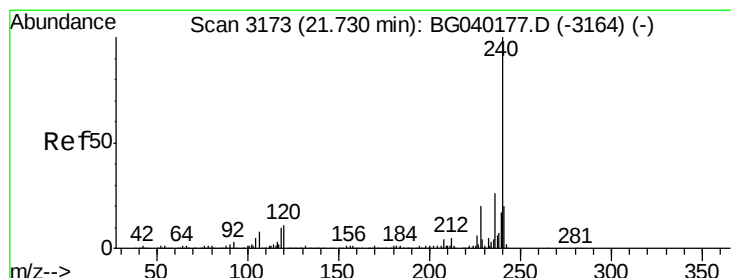
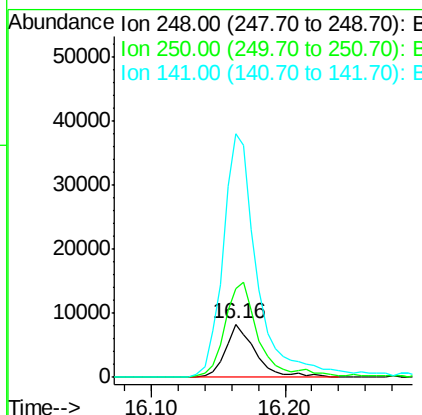
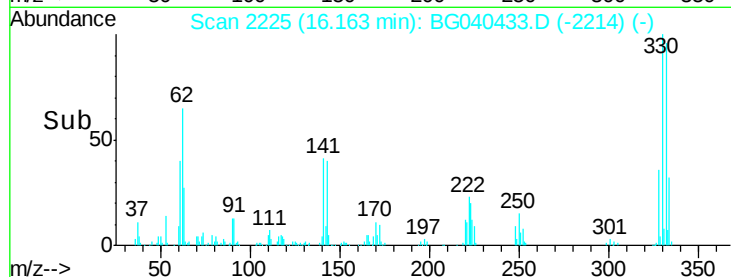
#67
 4-Bromophenyl-phenylether
 Concen: 4.106 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040433.D
 Acq: 11 Apr 2019 4:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13195
 Ion Ratio Lower Upper
 248 100
 250 166.7 76.4 114.6#
 141 456.5 53.8 80.8#

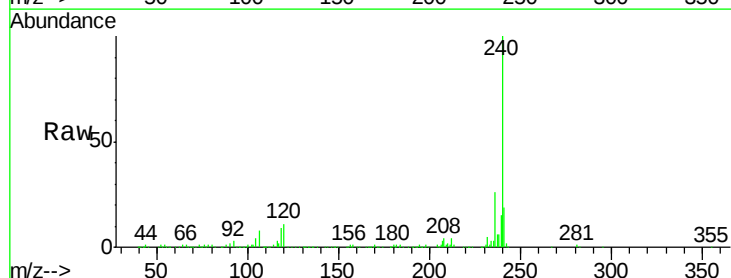


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

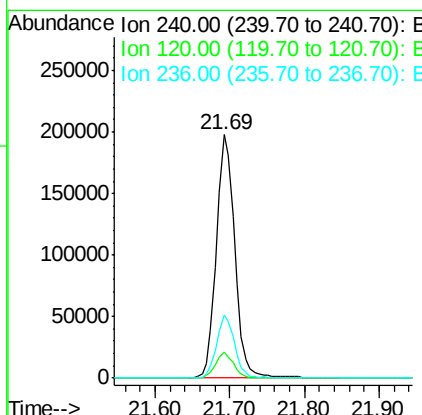
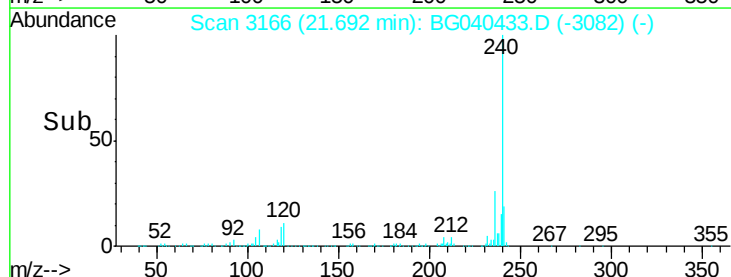


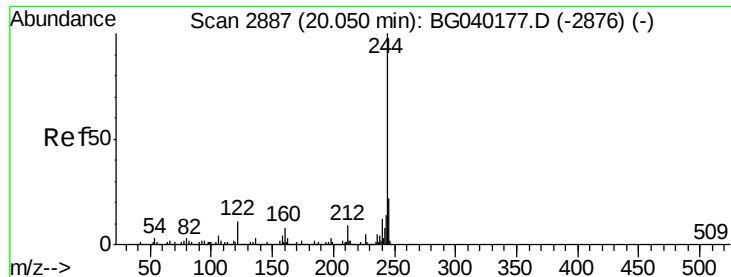
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG040433.D
 Acq: 11 Apr 2019 4:25

Tgt Ion:240 Resp: 340502
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.4 12.6
 236 25.8 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: 87.362 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

Instrument :

BNA_G

ClientSampleId :

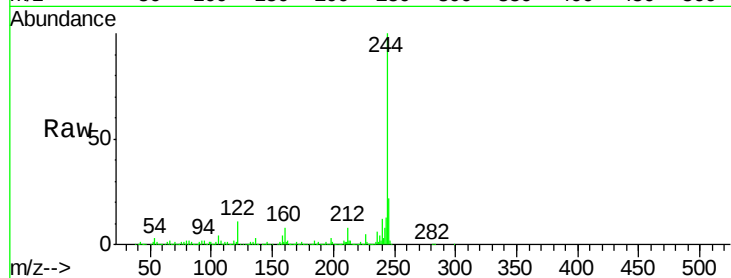
Tot Ion:244 Resp: 1322291

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

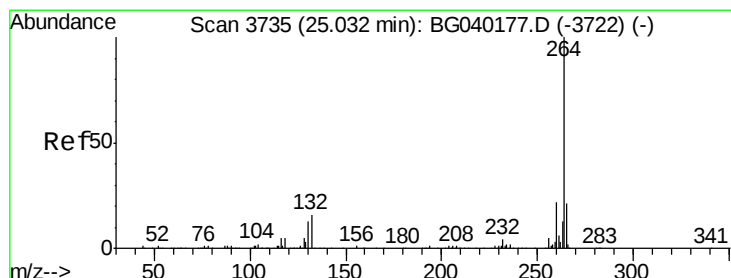
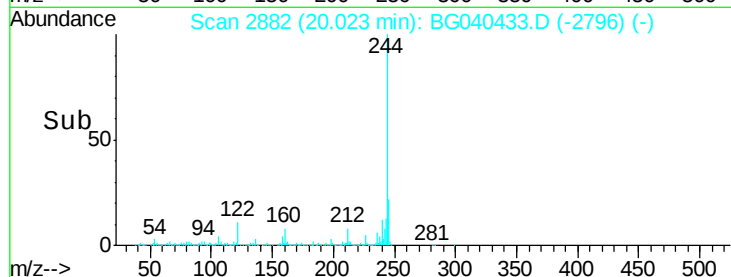
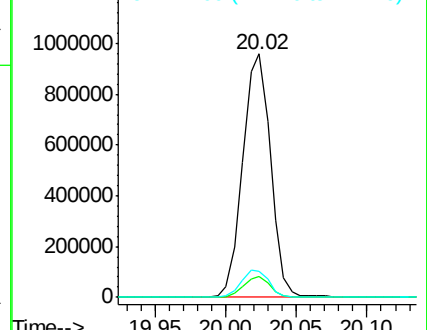
122 10.9 8.5 12.7



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: 24.97 min Scan# 3724

Delta R.T. -0.06 min

Lab File: BG040433.D

Acq: 11 Apr 2019 4:25

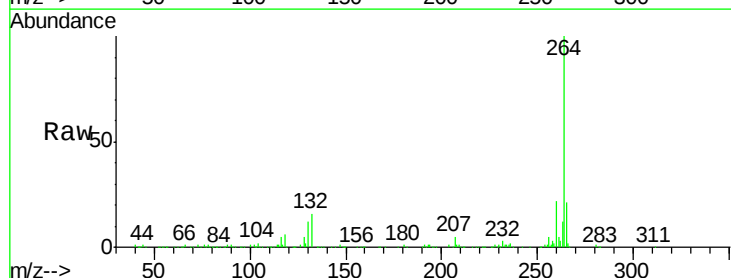
Tgt Ion:264 Resp: 337783

Ion Ratio Lower Upper

264 100

260 22.0 17.9 26.9

265 20.7 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

