

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040519\
 Data File : BG040391.D
 Acq On : 6 Apr 2019 00:25
 Operator : JU/SJ
 Sample : K2242-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 06 02:10:10 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

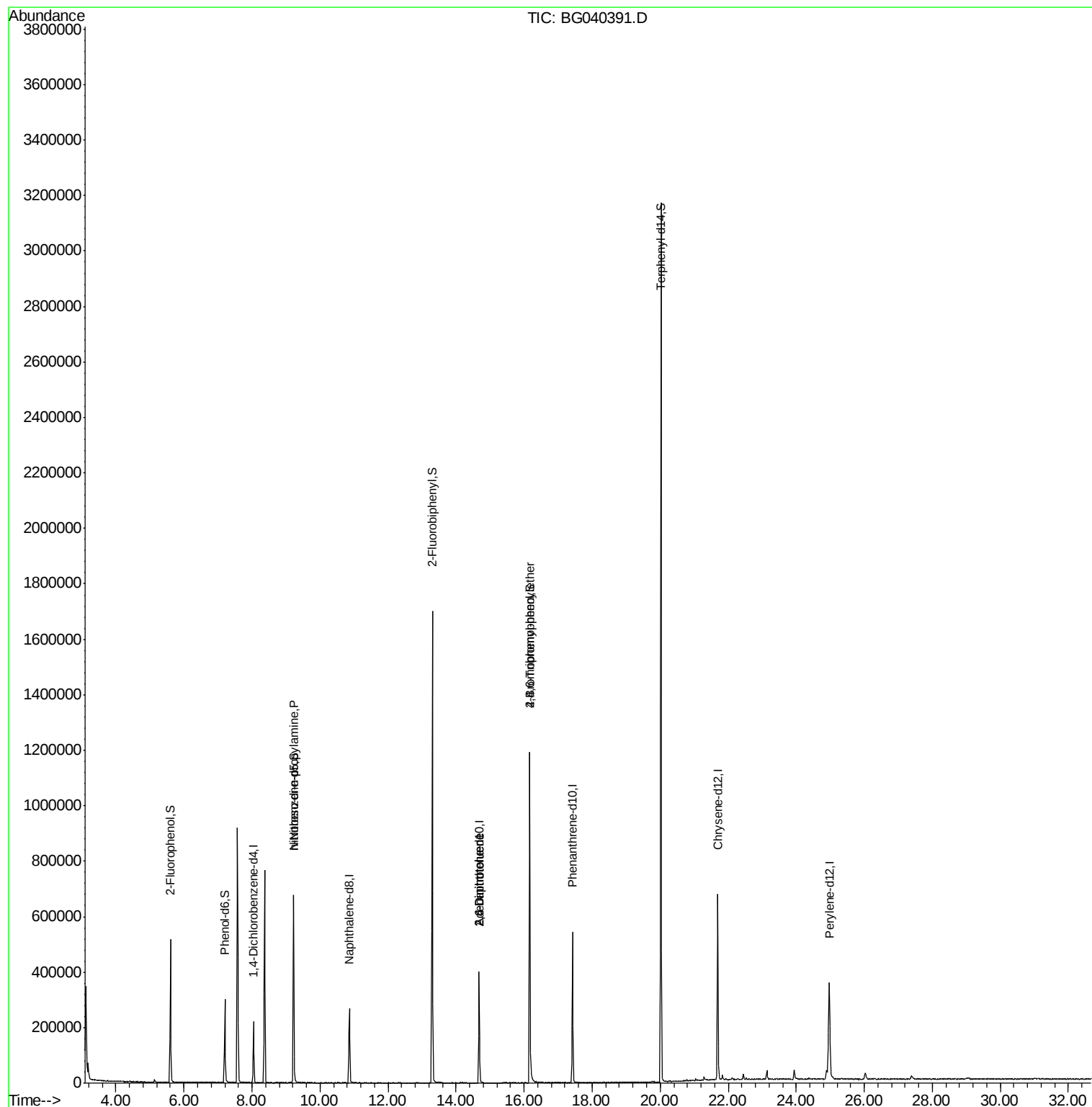
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	62811	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	247448	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	145791	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	363614	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	415211	20.00	ng	-0.04
87) Perylene-d12	24.97	264	413384	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	232242	61.47	ng	-0.02
7) Phenol-d6	7.20	99	193144	36.99	ng	-0.02
23) Nitrobenzene-d5	9.22	82	423987	91.08	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	238332	151.26	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	916490	93.15	ng	-0.02
79) Terphenyl-d14	20.02	244	1520253	82.37	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54847	14.650	ng	# 69
51) 2,6-Dinitrotoluene	14.67	165	18924	7.386	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	18924	5.316	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	18011	4.402	ng	# 1

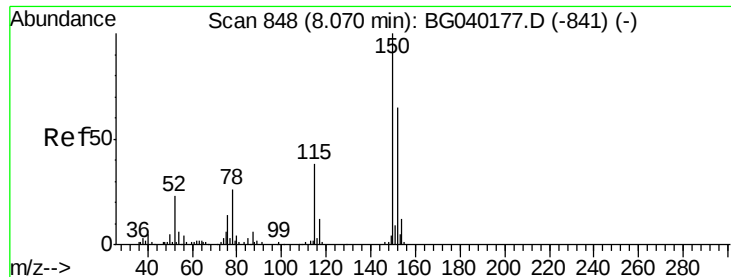
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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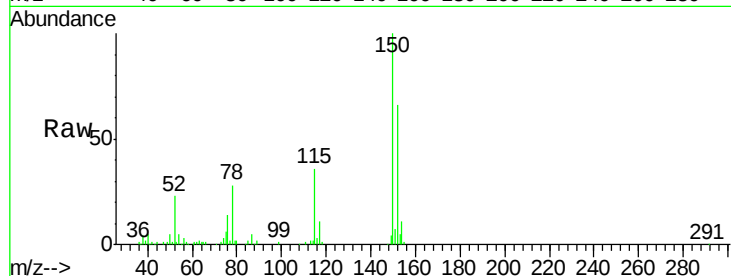


#1

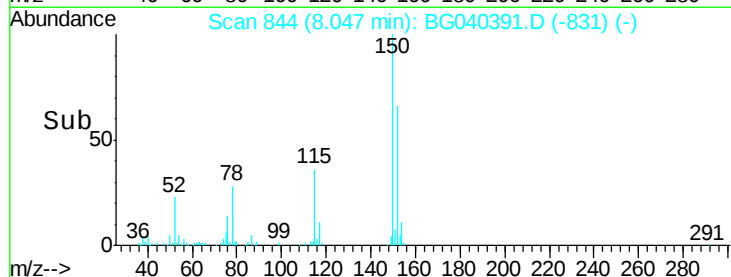
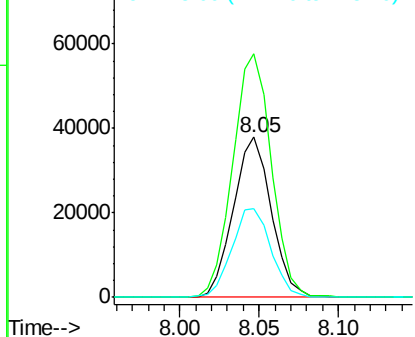
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62811
Ion Ratio Lower Upper
152 100
150 151.9 123.7 185.5
115 55.3 46.9 70.3



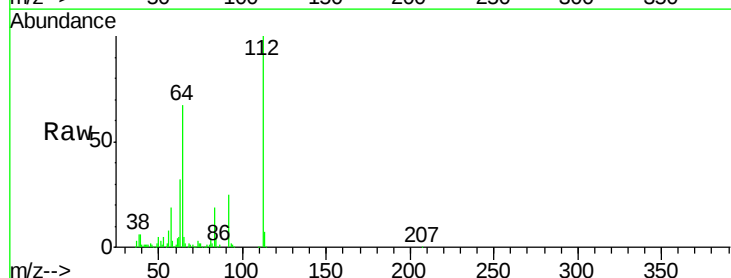
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



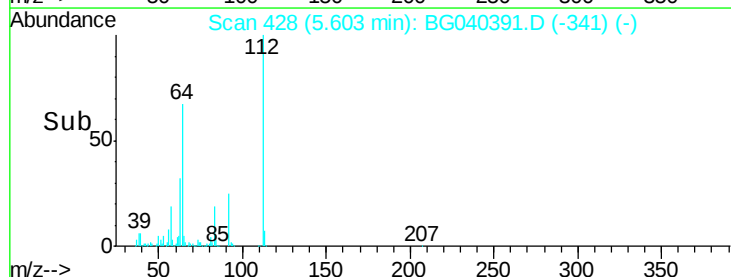
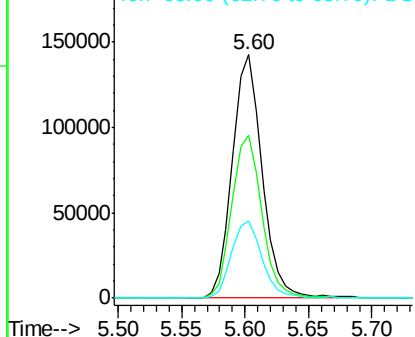
#5

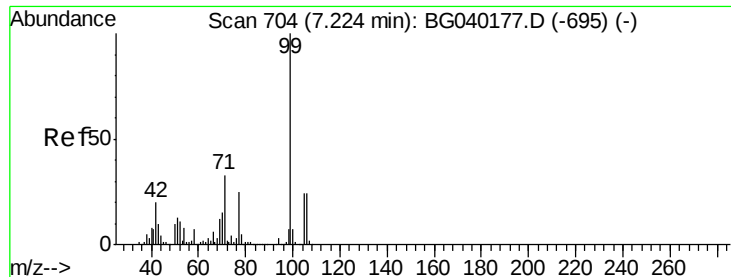
2-Fluorophenol
Concen: 61.467 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

Tgt Ion:112 Resp: 232242
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.2
63 31.8 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: 36.989 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

Instrument :

BNA_G

ClientSampleId :

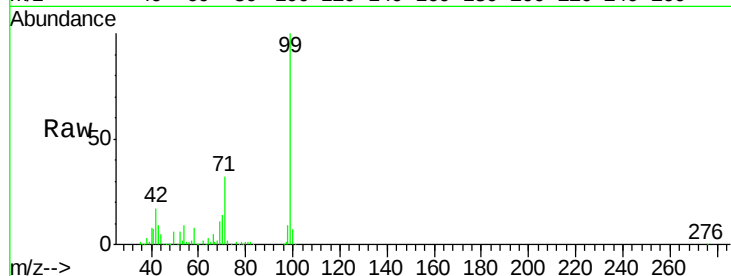
Tot Ion: 99 Resp: 193144

Ion Ratio Lower Upper

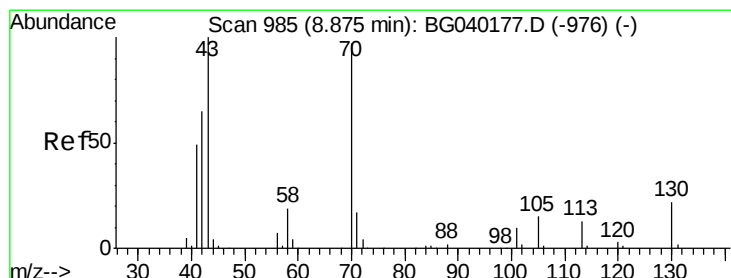
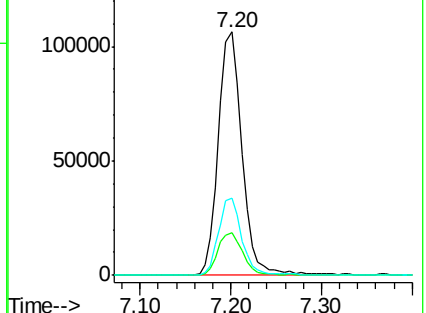
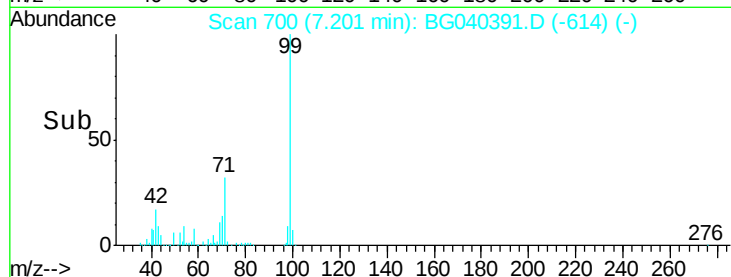
99 100

42 17.4 16.2 24.2

71 32.0 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: 14.650 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

Tgt Ion: 70 Resp: 54847

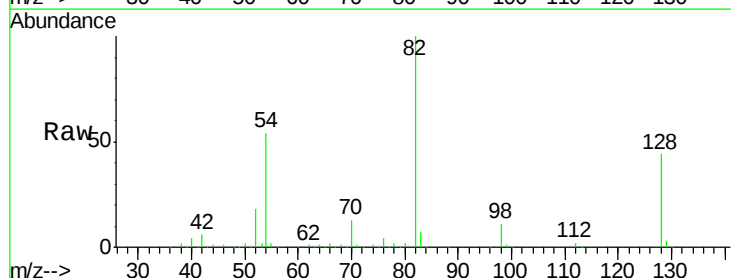
Ion Ratio Lower Upper

70 100

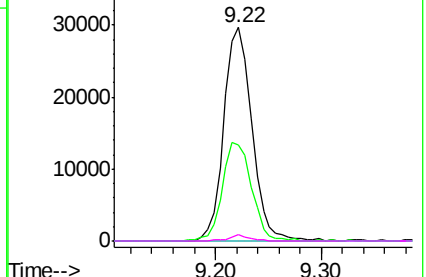
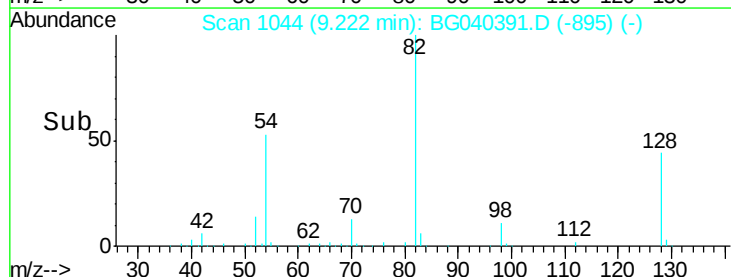
42 44.8 54.0 81.0#

101 0.0 8.6 13.0#

130 3.0 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

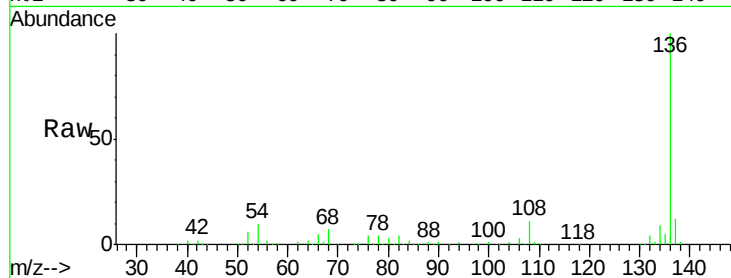




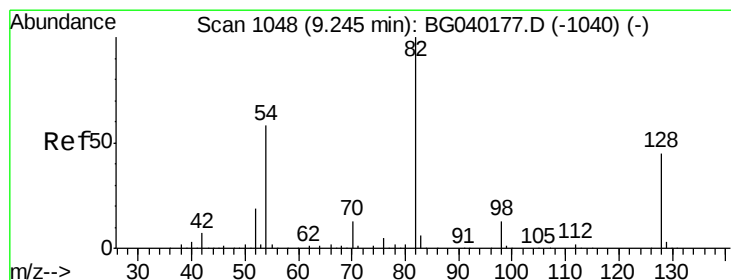
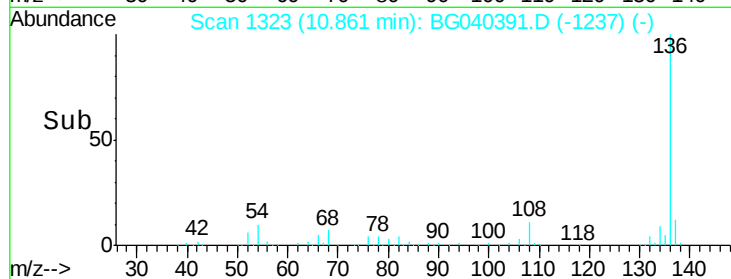
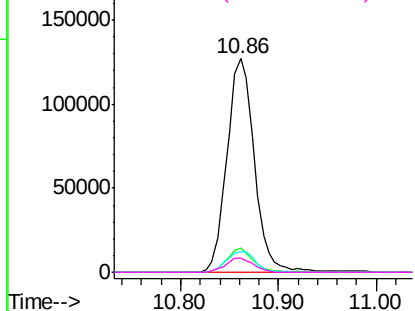
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	247448
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.9 13.3
54	9.9	9.6 14.4
68	6.9	5.1 7.7

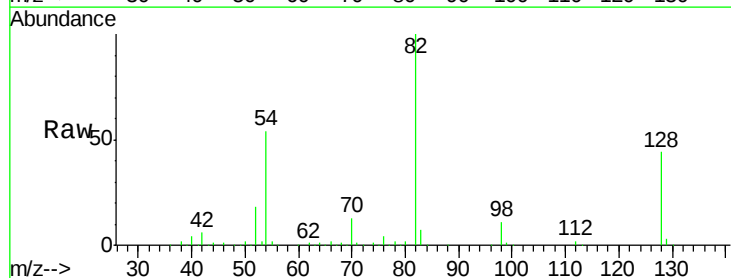


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

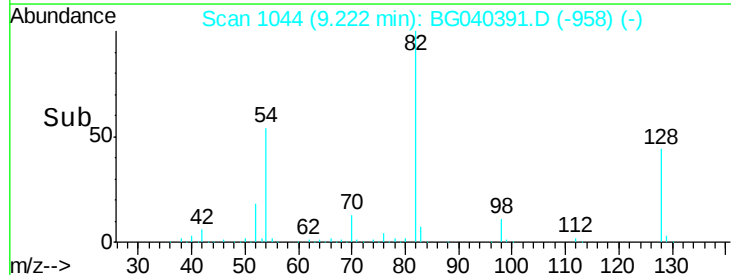
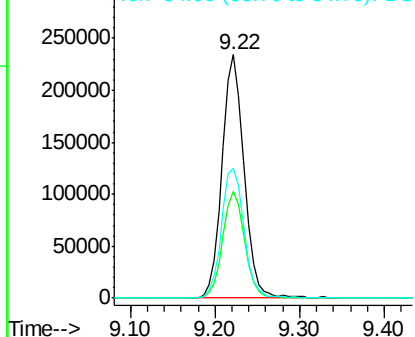


#23
Nitrobenzene-d5
Concen: 91.075 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

Tgt Ion: 82	Resp:	423987
Ion Ratio	Lower	Upper
82	100	
128	43.7	35.8 53.8
54	53.5	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: 14.67 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

Instrument :

BNA_G

ClientSampleId :

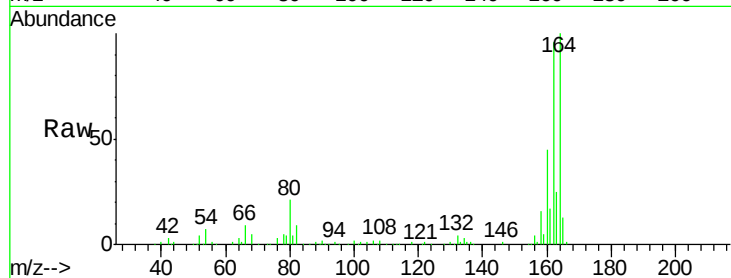
Tot Ion:164 Resp: 145791

Ion Ratio Lower Upper

164 100

162 95.6 77.4 116.2

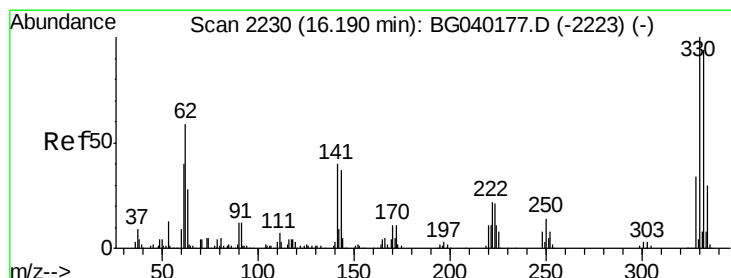
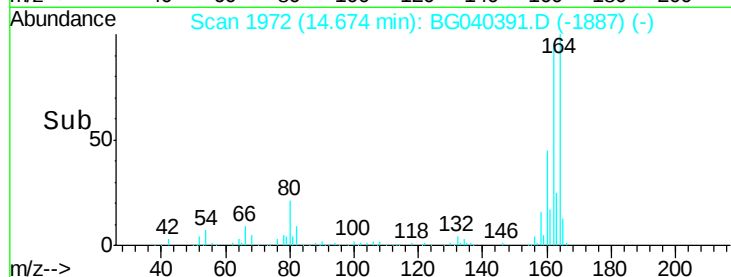
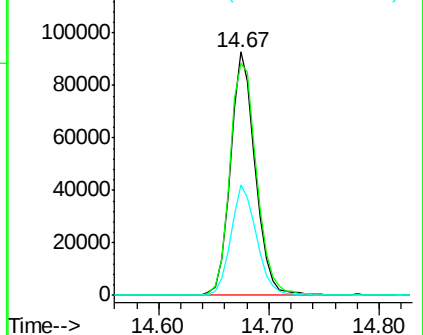
160 45.5 35.3 52.9



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: 151.262 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

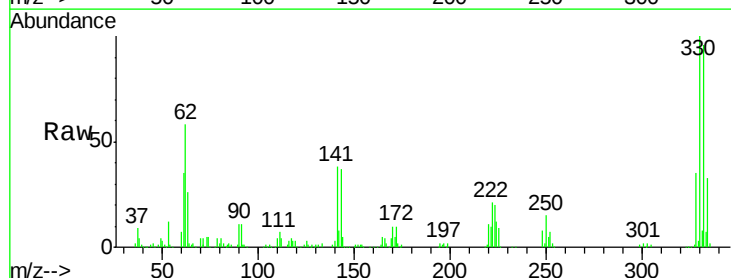
Tgt Ion:330 Resp: 238332

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

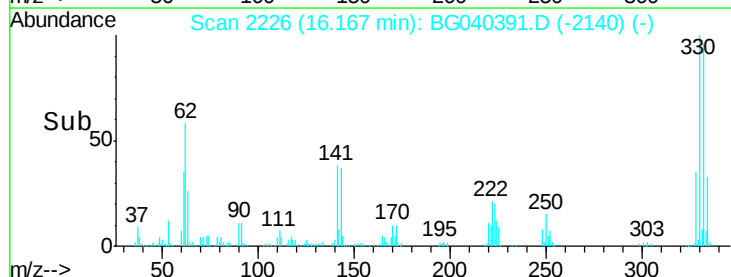
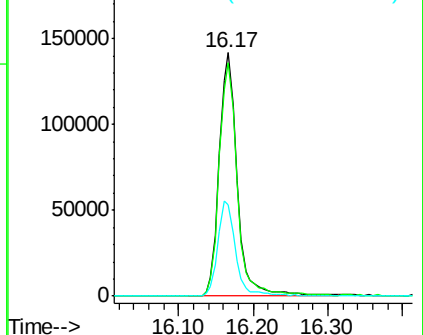
141 38.5 32.6 48.8



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

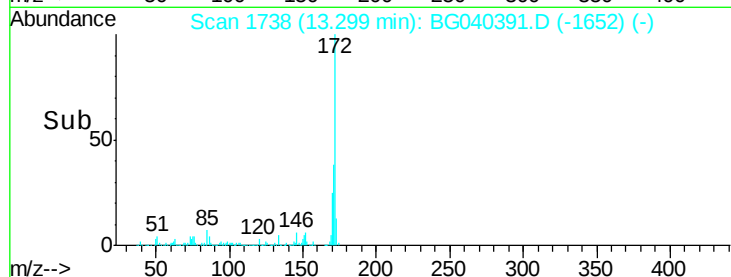
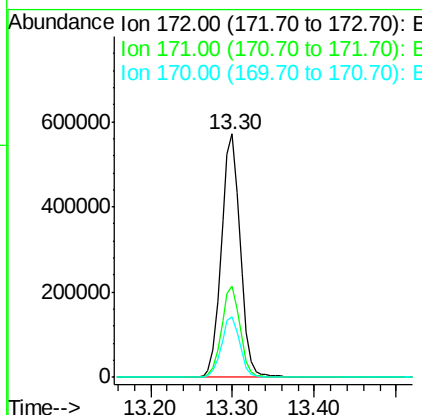
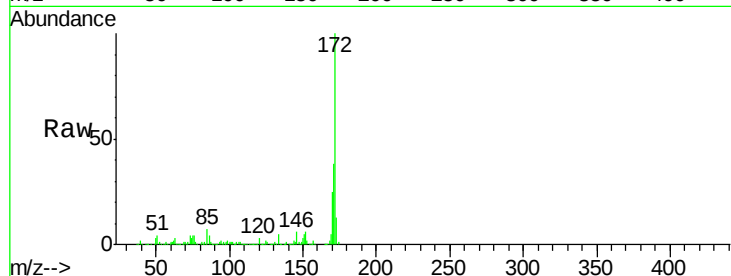




#45
2-Fluorobiphenyl
Concen: 93.148 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

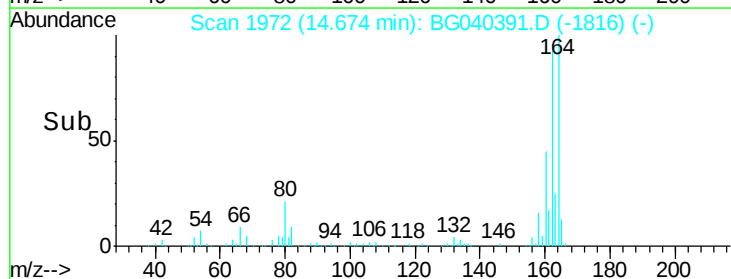
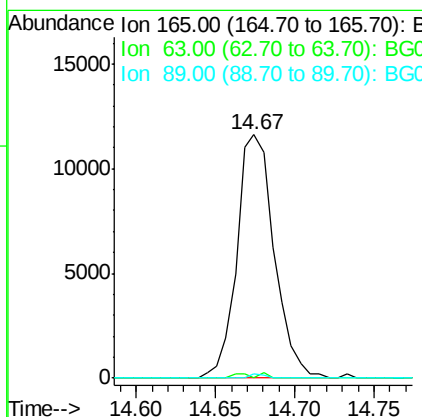
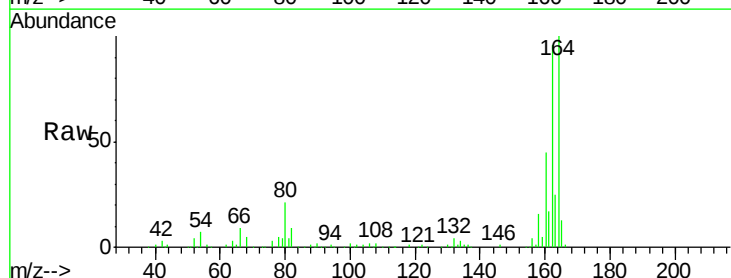
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 916490
Ion Ratio Lower Upper
172 100
171 37.7 30.5 45.7
170 24.9 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.386 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.39 min
Lab File: BG040391.D
Acq: 6 Apr 2019 00:25

Tgt Ion:165 Resp: 18924
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 1.9 44.9 67.3#

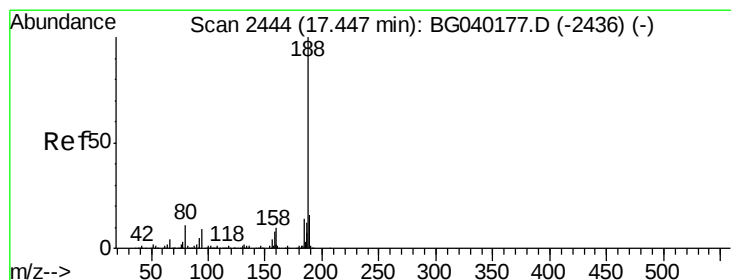
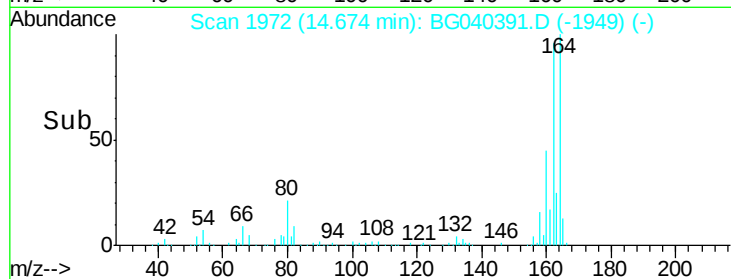
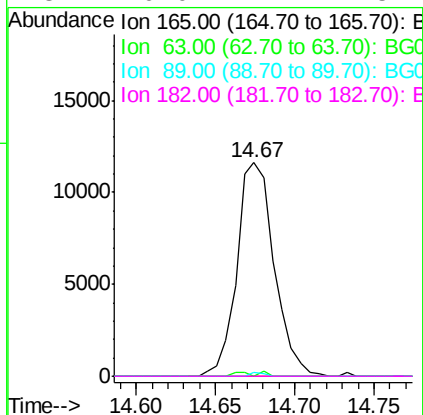
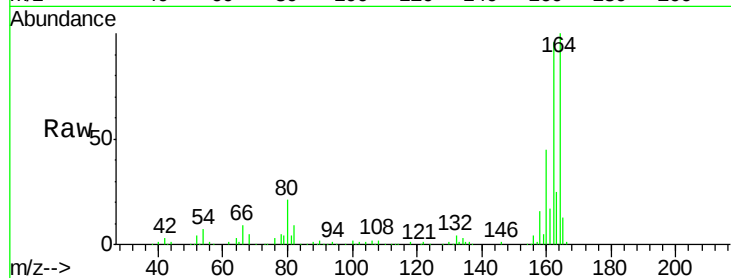




#57
 2,4-Dinitrotoluene
 Concen: 5.316 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.39 min
 Lab File: BG040391.D
 Acq: 6 Apr 2019 00:25

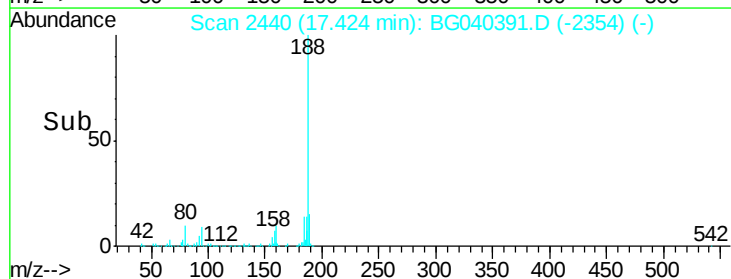
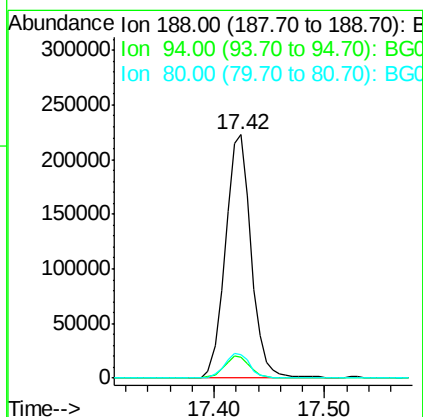
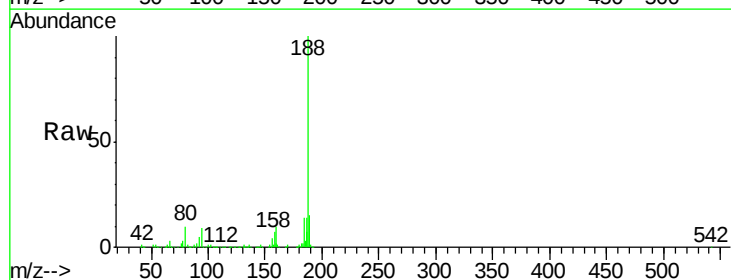
Instrument :
 BNA_G
 ClientSampleId :

Tot	Ion:165	Resp:	18924
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	1.9	55.4	83.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040391.D
 Acq: 6 Apr 2019 00:25

Tgt	Ion:188	Resp:	363614
Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.4
80	9.6	8.6	13.0





#67

4-Bromophenyl-phenylether

Concen: 4.402 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.47 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

Instrument :

BNA_G

ClientSampleId :

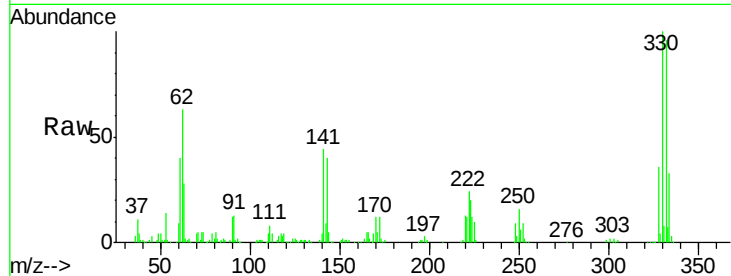
Tot Ion:248 Resp: 18011

Ion Ratio Lower Upper

248 100

250 182.8 76.4 114.6#

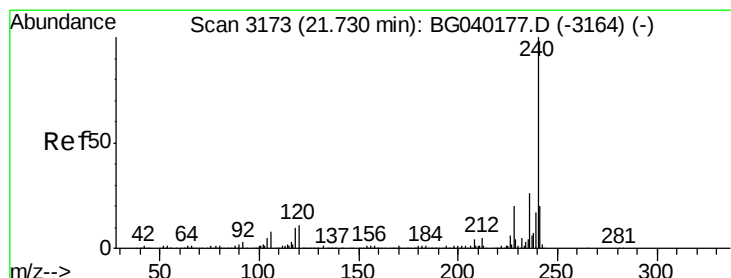
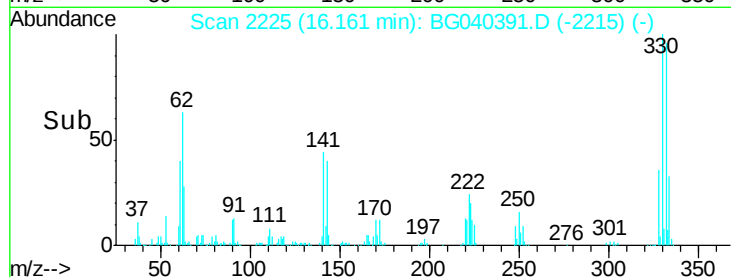
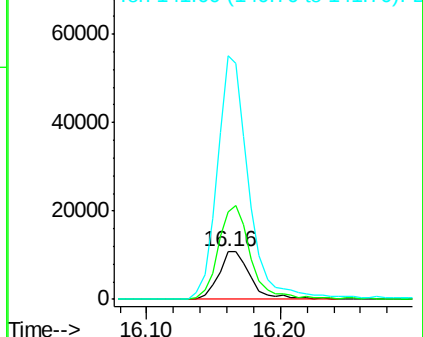
141 509.9 53.8 80.8#



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: BG040391.D

Acq: 6 Apr 2019 00:25

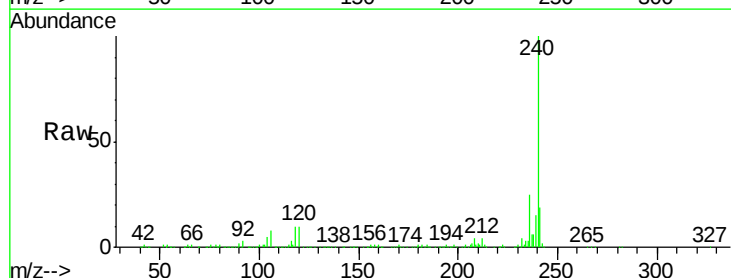
Tgt Ion:240 Resp: 415211

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

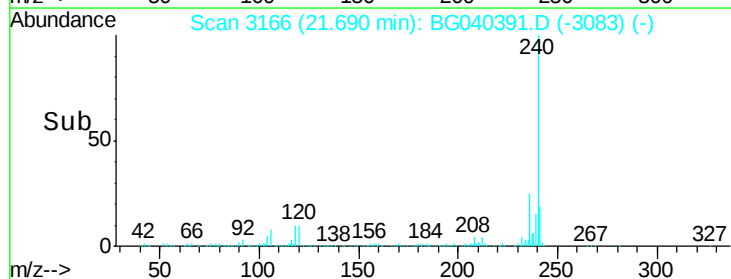
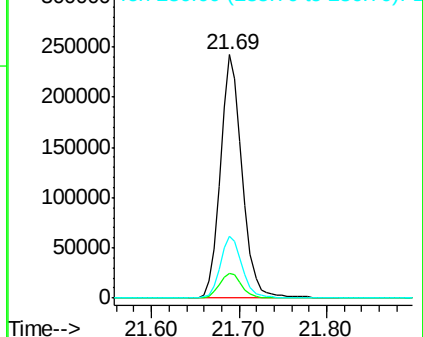
236 25.2 20.8 31.2



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: 82.369 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040391.D

Acq: 6 Apr 2019 00:25

Instrument :

BNA_G

ClientSampled :

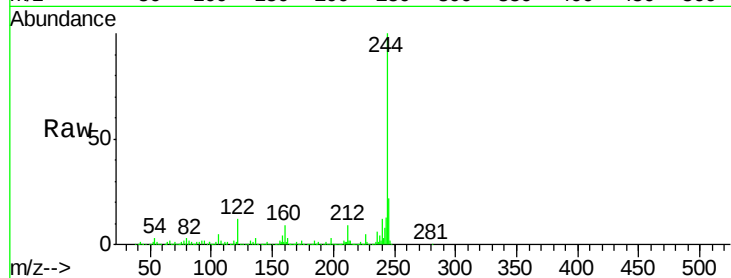
Tot Ion:244 Resp: 1520253

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

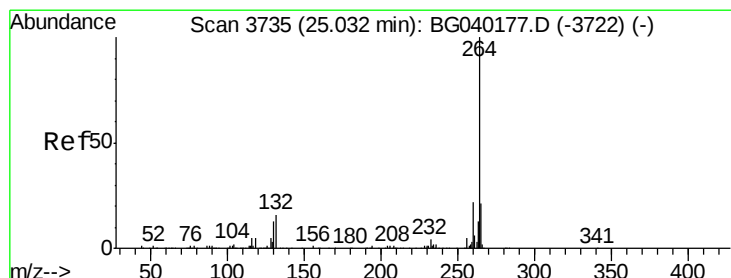
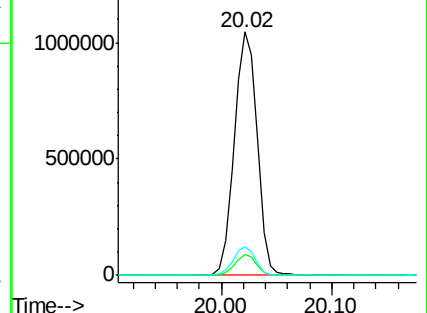
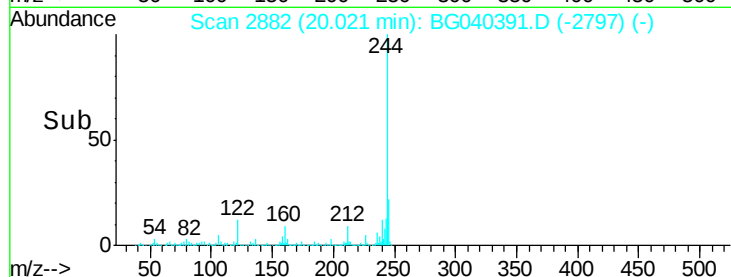
122 11.9 8.5 12.7



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: BG040391.D

Acq: 6 Apr 2019 00:25

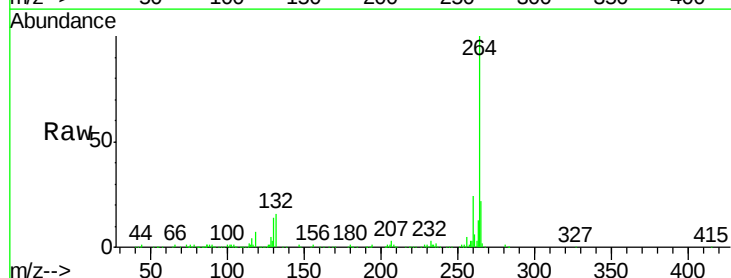
Tgt Ion:264 Resp: 413384

Ion Ratio Lower Upper

264 100

260 24.3 17.9 26.9

265 22.3 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

