

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040104.D
 Acq On : 23 Mar 2019 6:13
 Operator : JU/SJ
 Sample : K2033-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 22:16:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

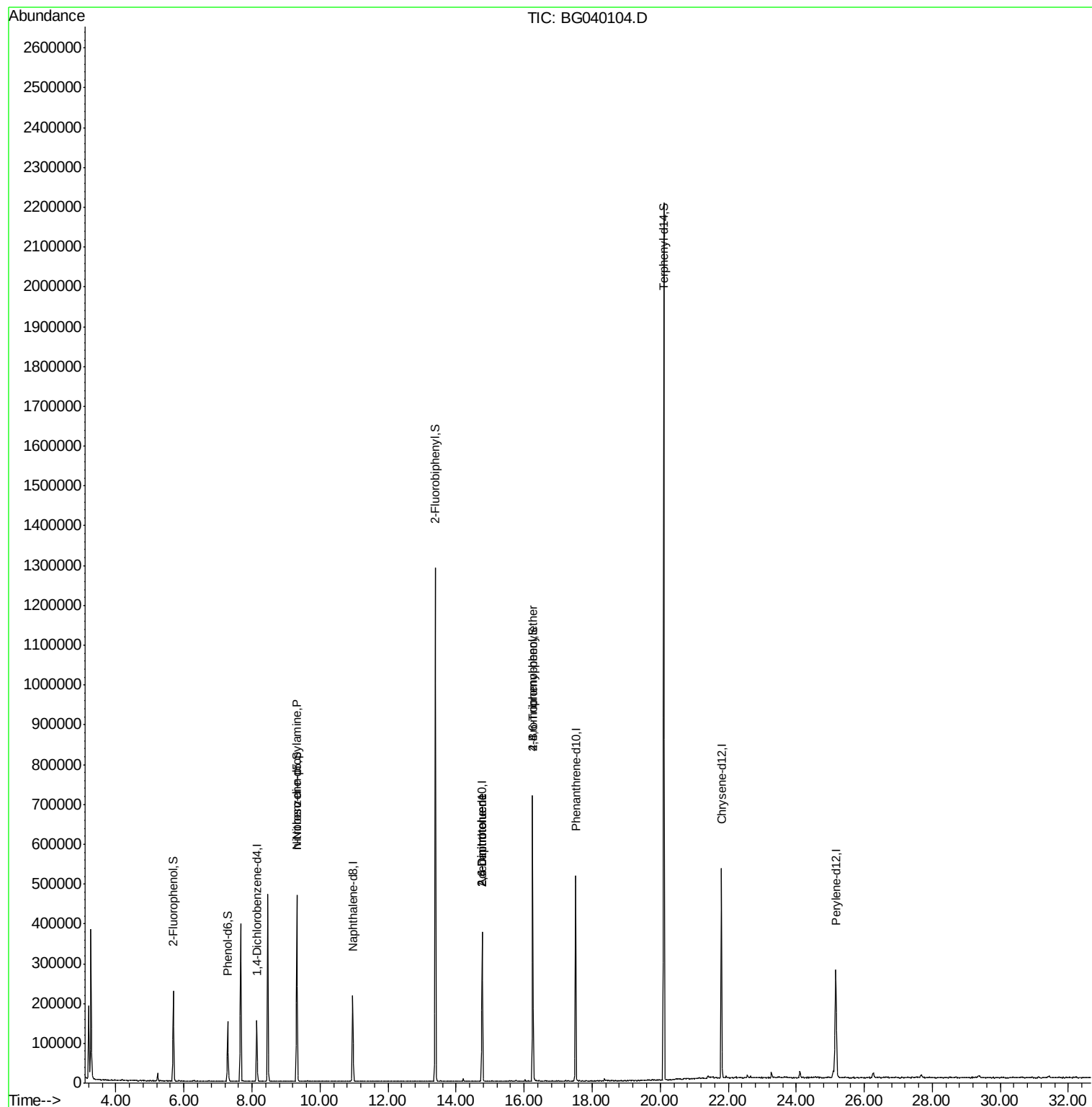
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41771	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	189064	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	136601	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	330885	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	321994	20.00	ng	-0.03
87) Perylene-d12	25.16	264	319748	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	96713	39.50	ng	-0.02
7) Phenol-d6	7.29	99	92133	25.24	ng	-0.02
23) Nitrobenzene-d5	9.32	82	278770	79.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	125071	78.55	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	709552	73.96	ng	-0.02
79) Terphenyl-d14	20.11	244	1026424	70.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	36114	13.743	ng	# 70
51) 2,6-Dinitrotoluene	14.77	165	17431	7.198	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	17431	5.123	ng	# 18
67) 4-Bromophenyl-phenylether	16.25	248	9966	2.691	ng	# 1

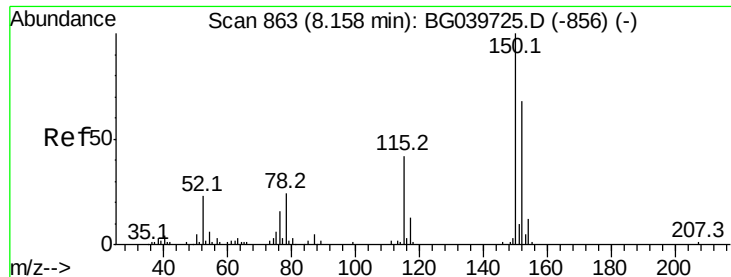
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

Instrument :

BNA_G

ClientSampled :

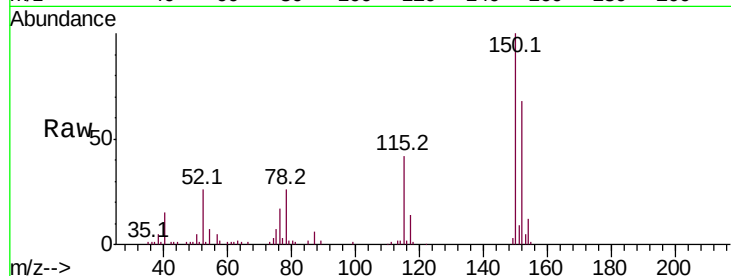
Tot Ion:152 Resp: 41771

Ion Ratio Lower Upper

152 100

150 146.5 123.7 185.5

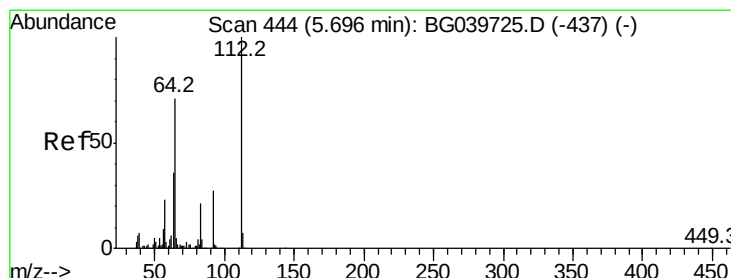
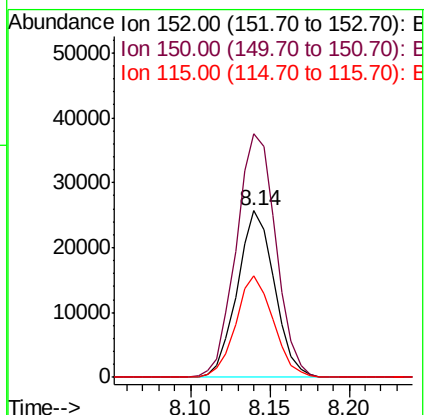
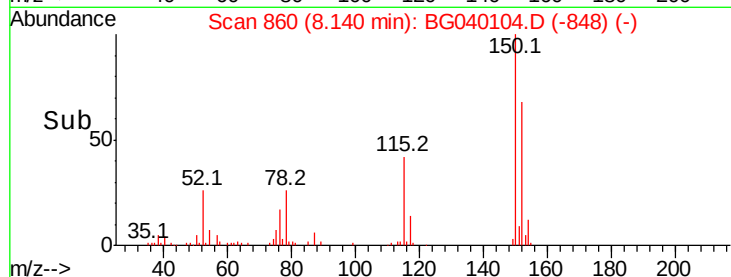
115 61.5 45.9 68.9



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: 39.499 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

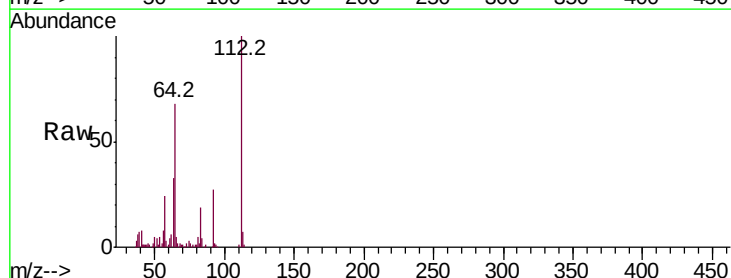
Tgt Ion:112 Resp: 96713

Ion Ratio Lower Upper

112 100

64 68.4 57.8 86.8

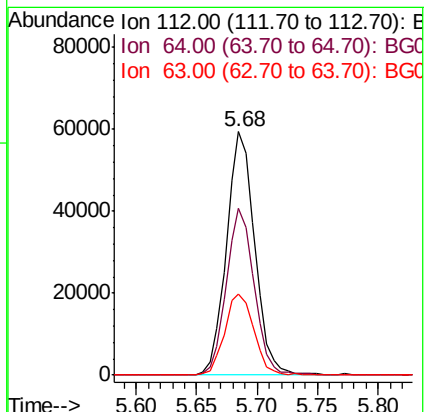
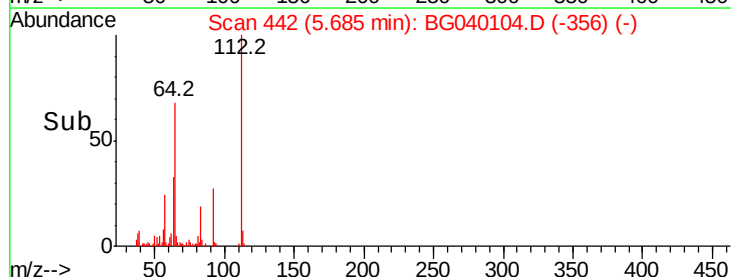
63 33.3 29.8 44.6

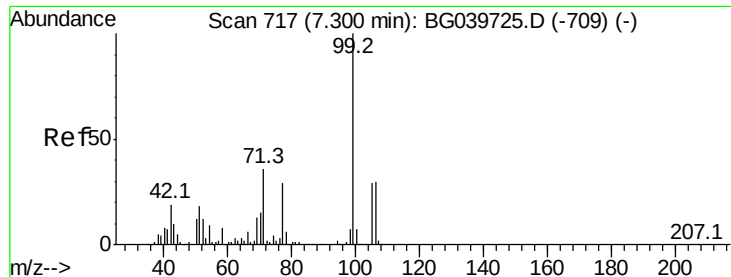


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 25.236 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

Instrument :

BNA_G

ClientSampleId :

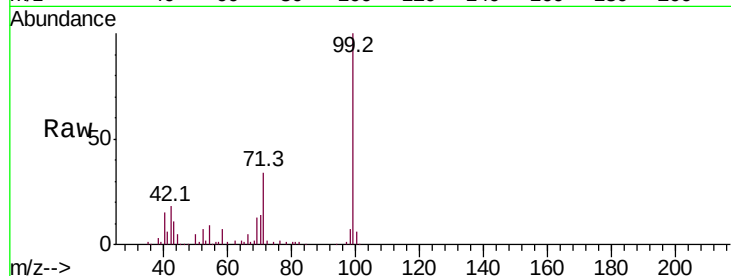
Tot Ion: 99 Resp: 92133

Ion Ratio Lower Upper

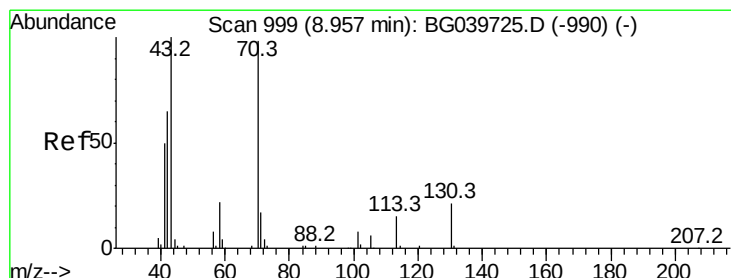
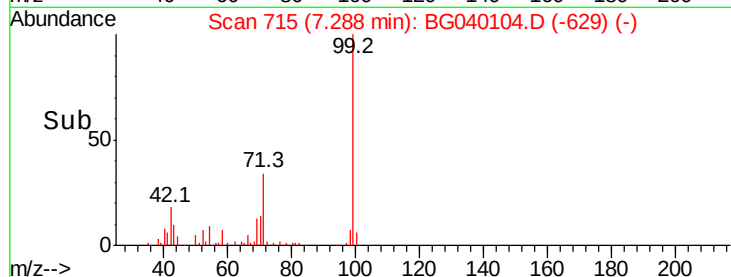
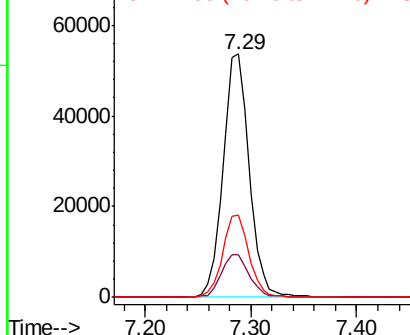
99 100

42 17.6 18.2 27.2#

71 33.9 28.0 42.0



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: 13.743 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

Tgt Ion: 70 Resp: 36114

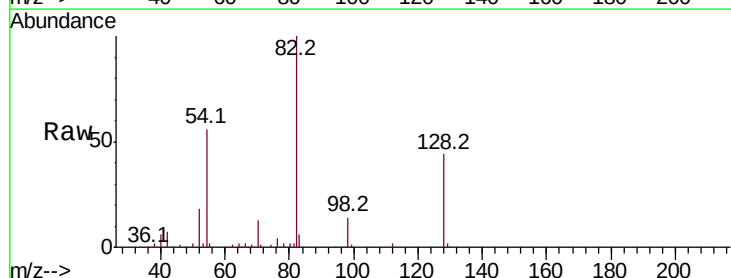
Ion Ratio Lower Upper

70 100

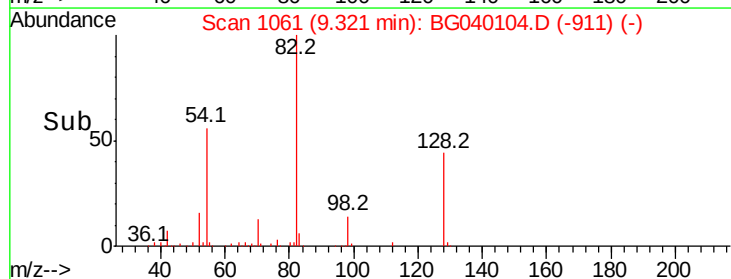
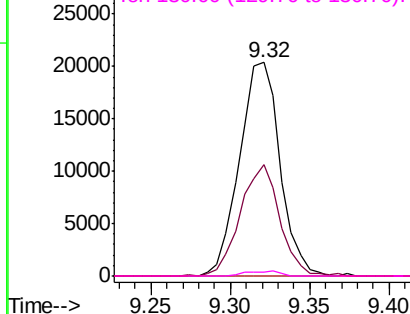
42 52.4 60.4 90.6#

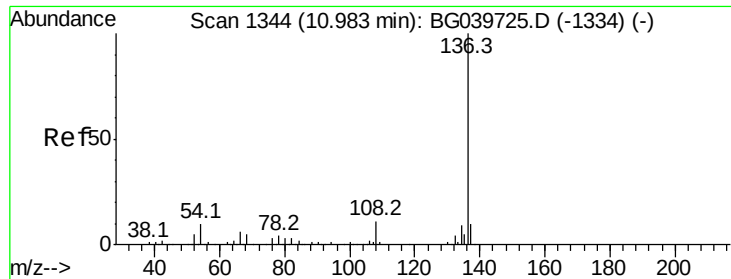
101 0.0 7.5 11.3#

130 1.8 16.9 25.3#



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

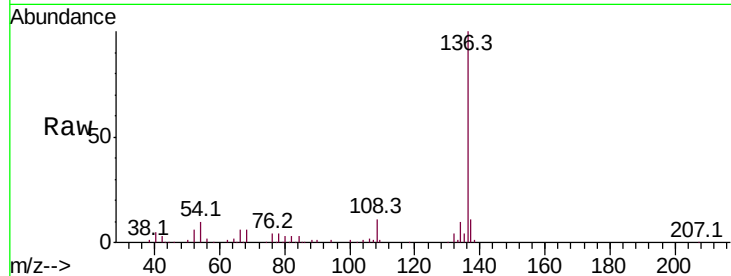




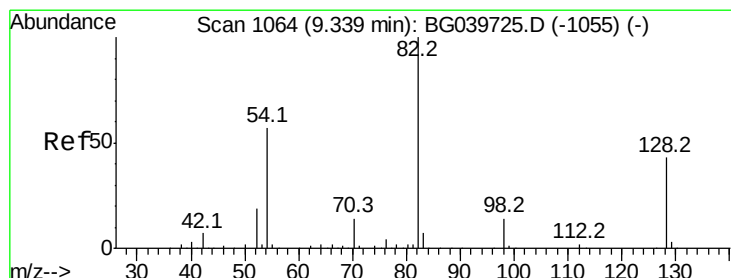
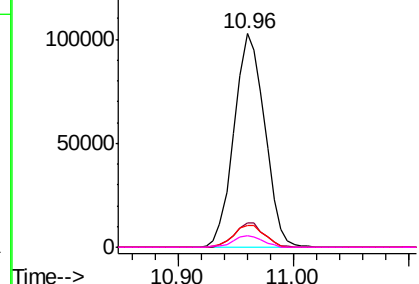
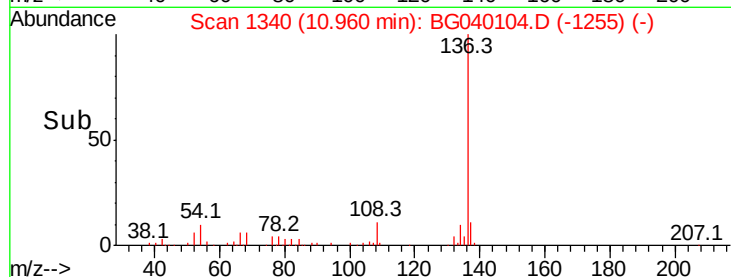
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040104.D
Acq: 23 Mar 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	189064
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	10.4	9.4 14.2
68	5.5	4.2 6.4

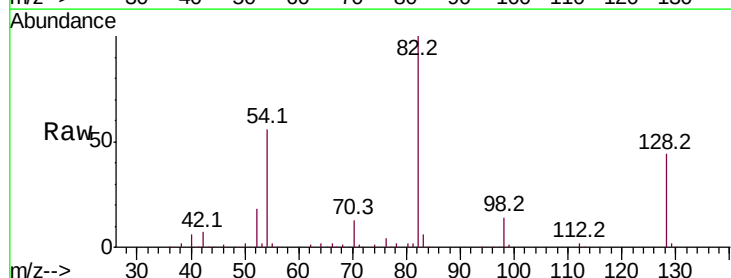


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

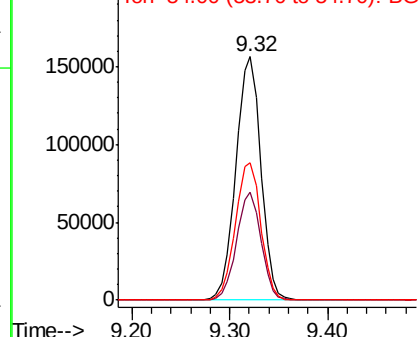
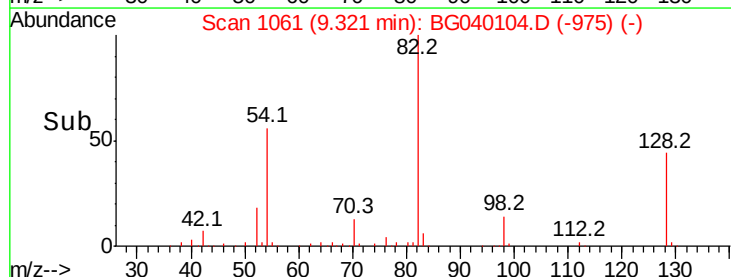


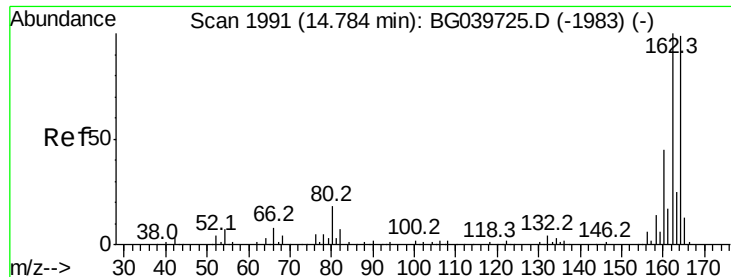
#23
Nitrobenzene-d5
Concen: 79.746 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040104.D
Acq: 23 Mar 2019 6:13

Tgt Ion: 82	Resp:	278770
Ion Ratio	Lower	Upper
82	100	
128	44.4	31.3 46.9
54	56.4	50.9 76.3



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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

Instrument :

BNA_G

ClientSampled :

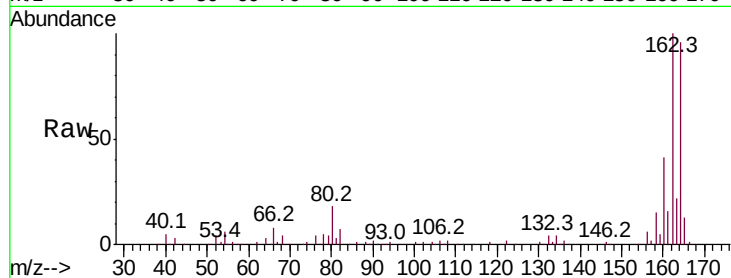
Tot Ion:164 Resp: 136601

Ion Ratio Lower Upper

164 100

162 104.3 81.6 122.4

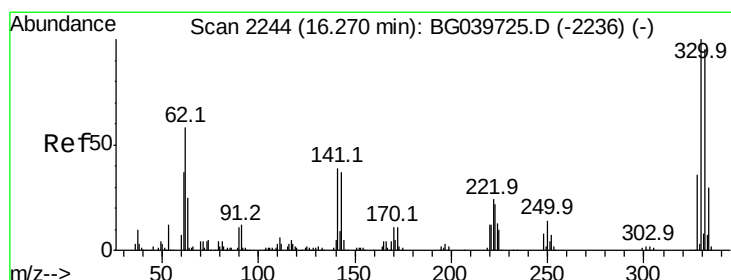
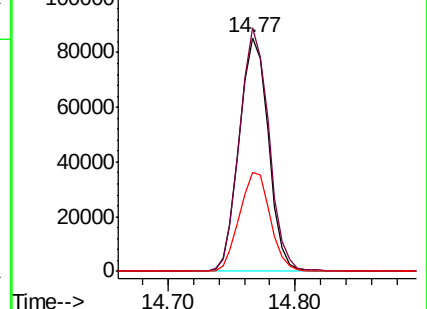
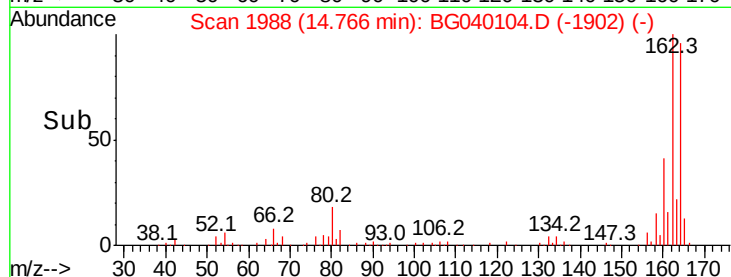
160 42.2 34.2 51.2



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: 78.553 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

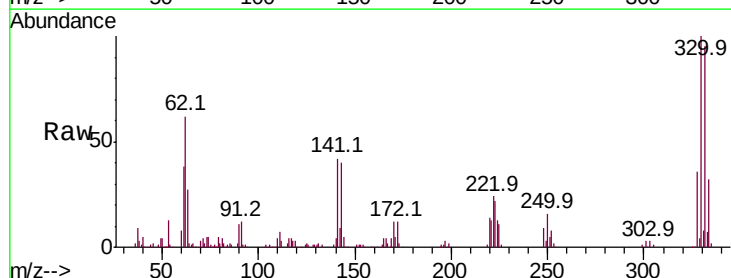
Tgt Ion:330 Resp: 125071

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

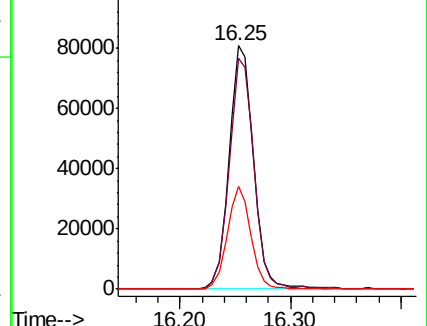
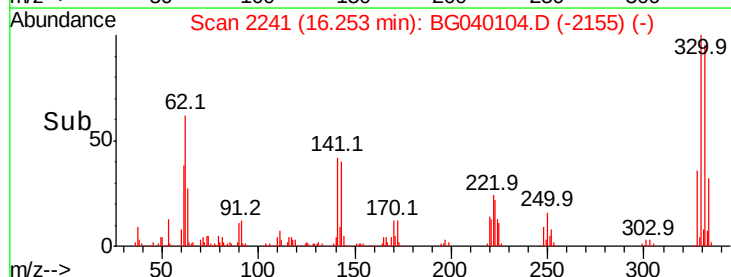
141 40.5 35.6 53.4

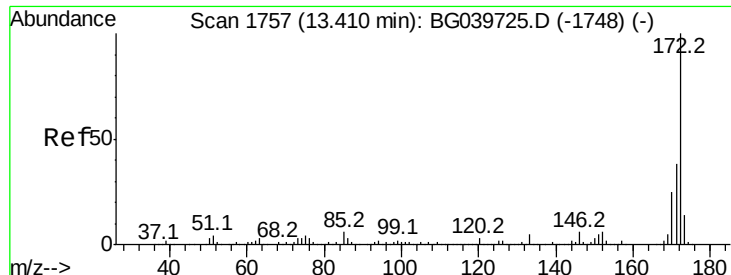


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

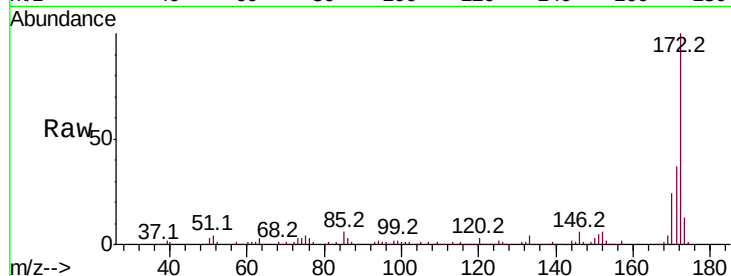




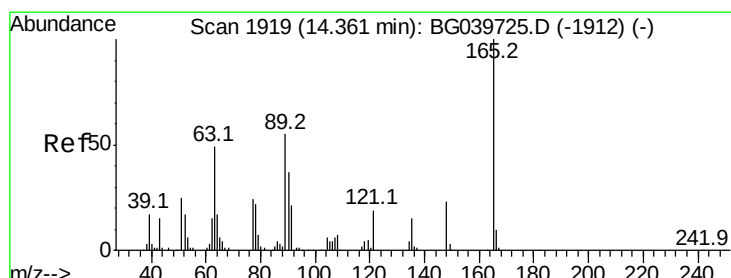
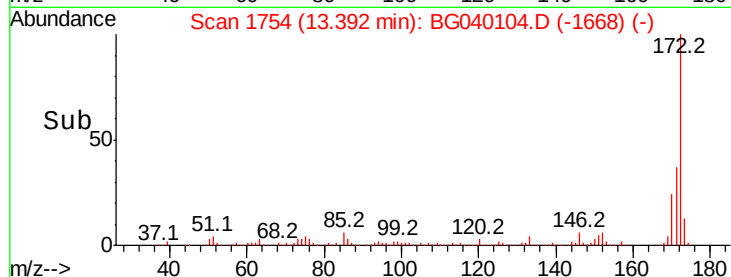
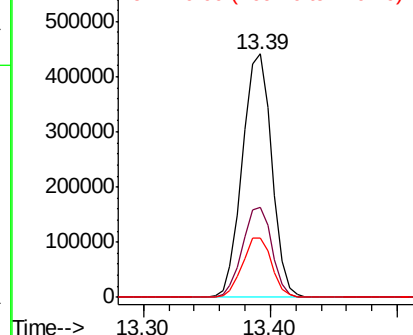
#45
 2-Fluorobiphenyl
 Concen: 73.959 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.2	20.2	30.4

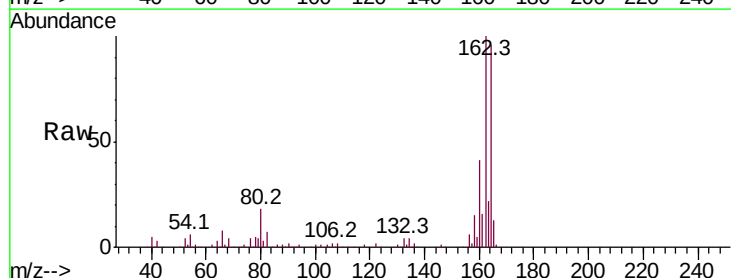


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

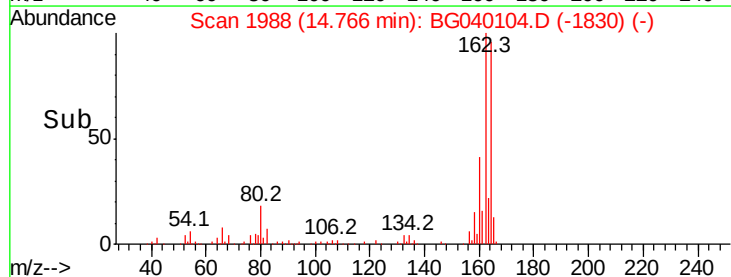
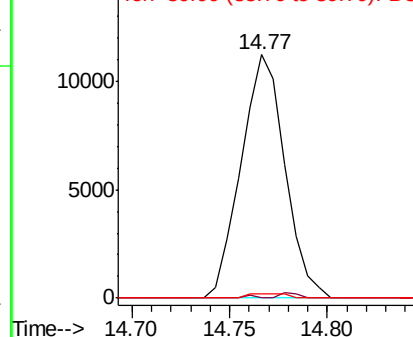


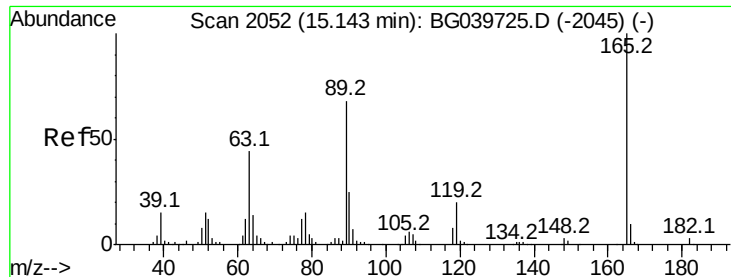
#51
 2,6-Dinitrotoluene
 Concen: 7.198 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	1.7	45.8	68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

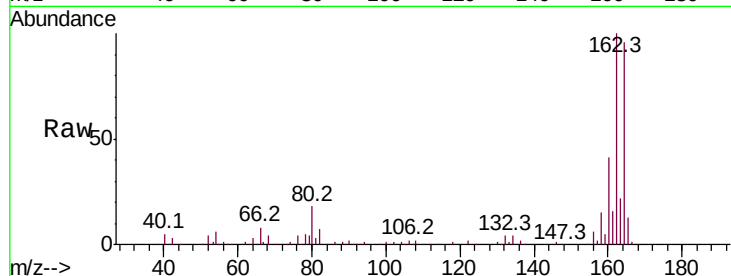




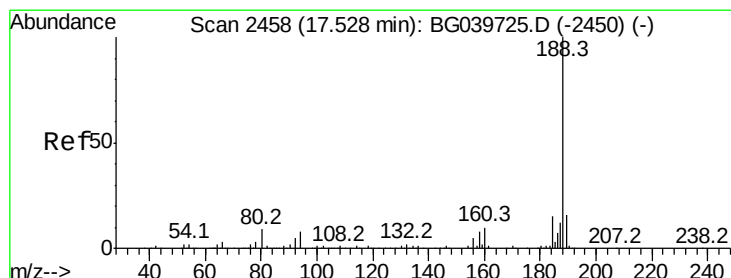
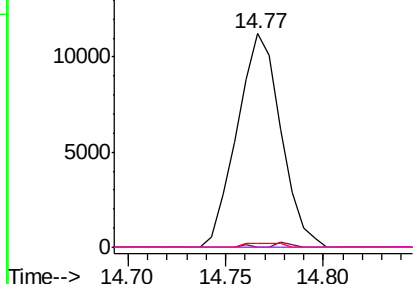
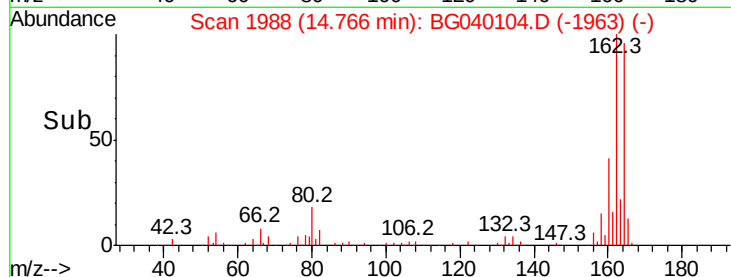
#57
 2,4-Dinitrotoluene
 Concen: 5.123 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	17431
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.7	64.6	96.8#
182	0.0	2.0	3.0#

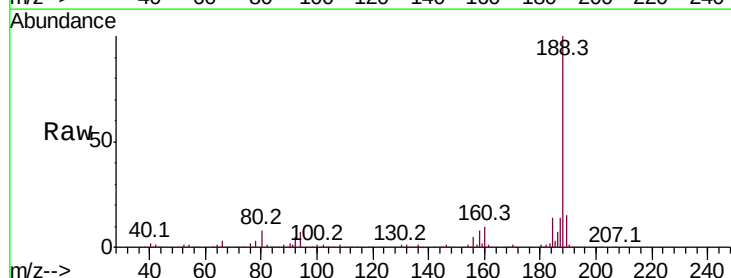


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

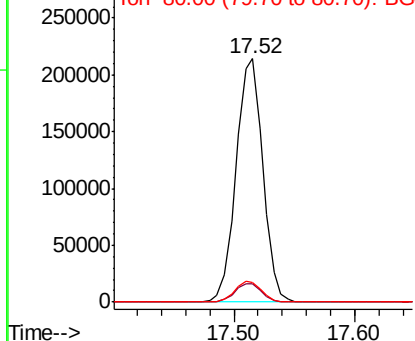
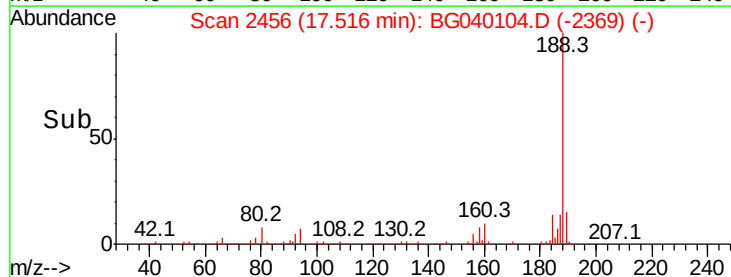


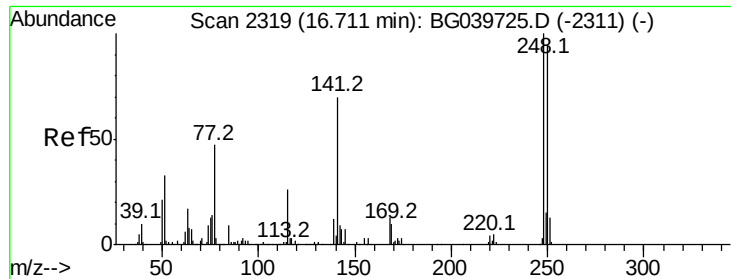
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Tgt Ion:	188	Resp:	330885
Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	8.1	8.1	12.1#



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

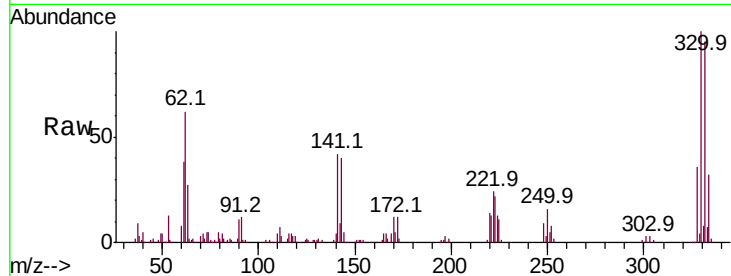




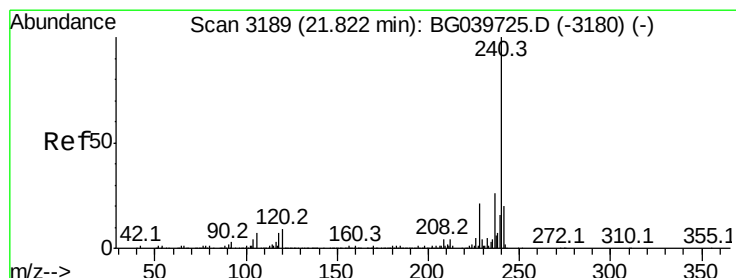
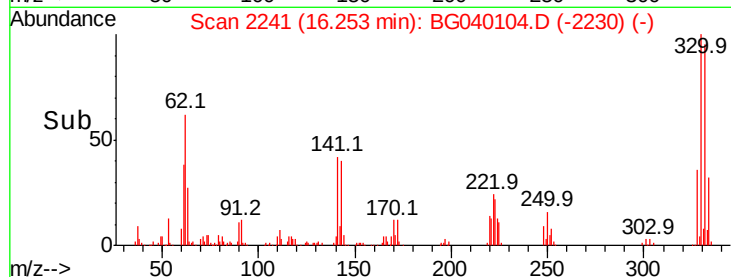
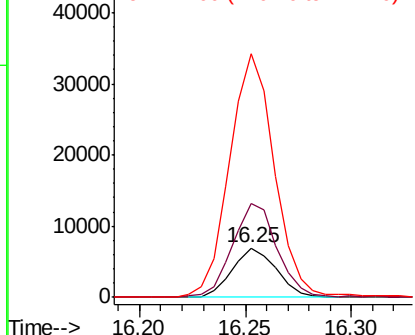
#67
 4-Bromophenyl-phenylether
 Concen: 2.691 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9966
 Ion Ratio Lower Upper
 248 100
 250 191.2 77.6 116.4#
 141 495.2 63.9 95.9#

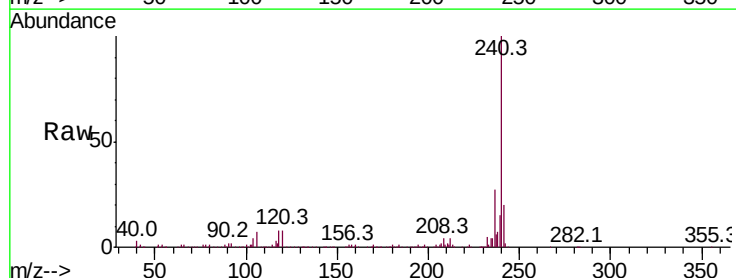


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

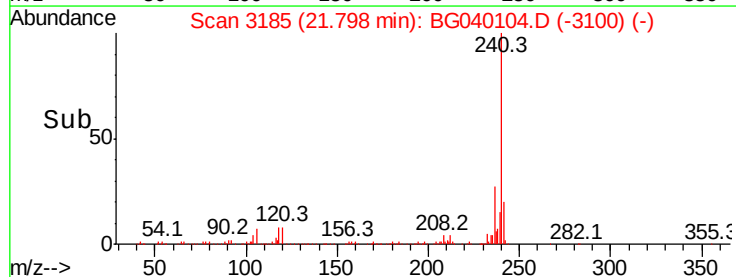
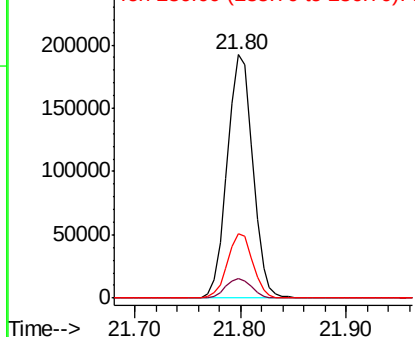


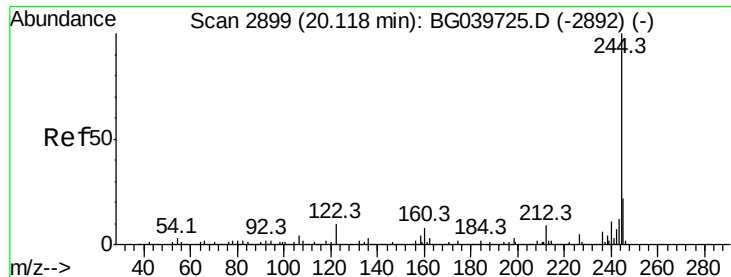
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040104.D
 Acq: 23 Mar 2019 6:13

Tgt Ion:240 Resp: 321994
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 26.5 21.0 31.4



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: 70.187 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

Instrument :

BNA_G

ClientSampled :

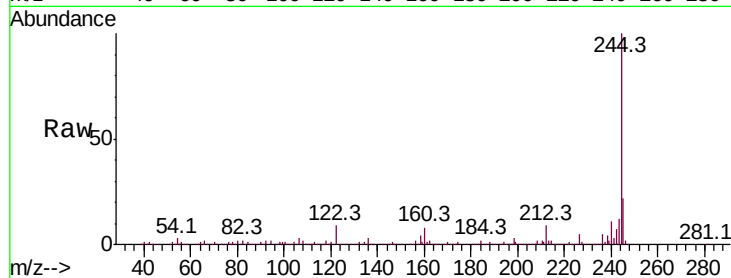
Tot Ion:244 Resp: 1026424

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

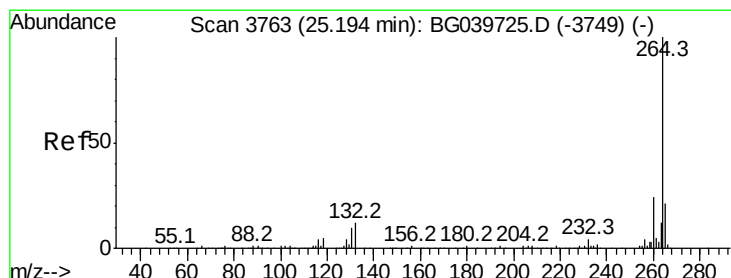
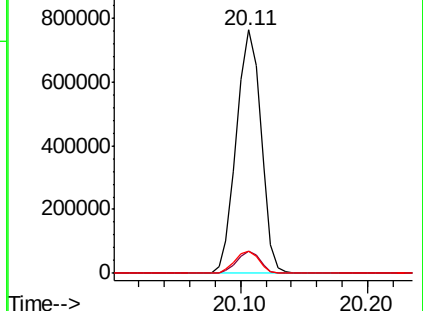
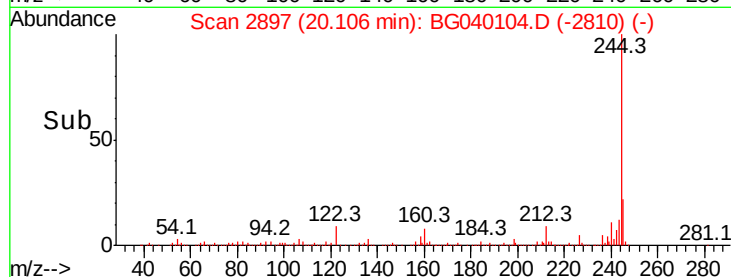
122 9.1 8.4 12.6



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: 25.16 min Scan# 3758

Delta R.T. -0.04 min

Lab File: BG040104.D

Acq: 23 Mar 2019 6:13

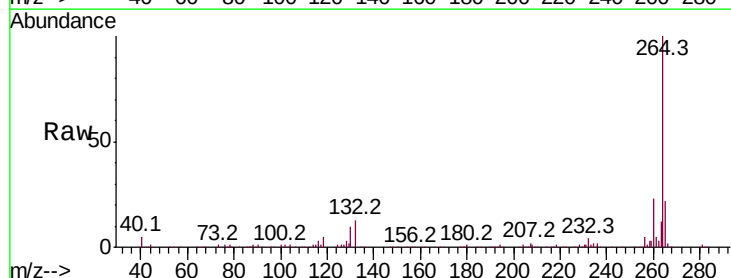
Tgt Ion:264 Resp: 319748

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 21.6 18.5 27.7



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

