

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040111.D
 Acq On : 23 Mar 2019 10:52
 Operator : JU/SJ
 Sample : K2034-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 22:17:21 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

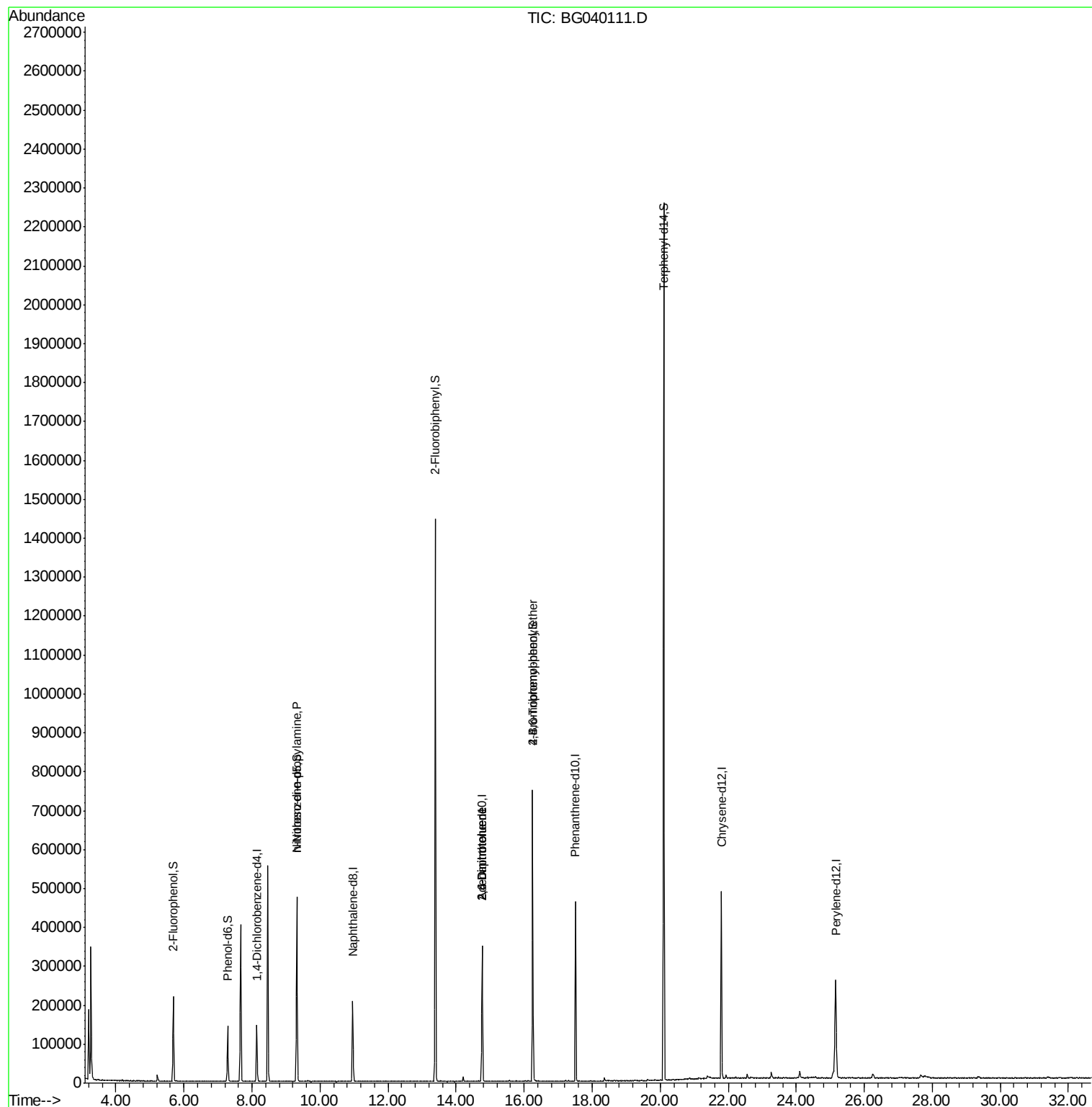
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	39793	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	176981	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123154	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	299357	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	293211	20.00	ng	-0.03
87) Perylene-d12	25.16	264	293752	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	91807	39.36	ng	-0.02
7) Phenol-d6	7.28	99	84290	24.24	ng	-0.03
23) Nitrobenzene-d5	9.32	82	291317	89.02	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	131718	91.76	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	757109	87.53	ng	-0.02
79) Terphenyl-d14	20.11	244	1029953	77.34	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	37958	15.163	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	15548	7.122	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	15548	5.069	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	10533	3.143	ng	# 1

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

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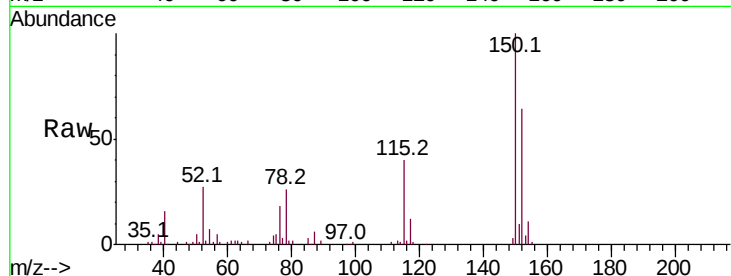


#1

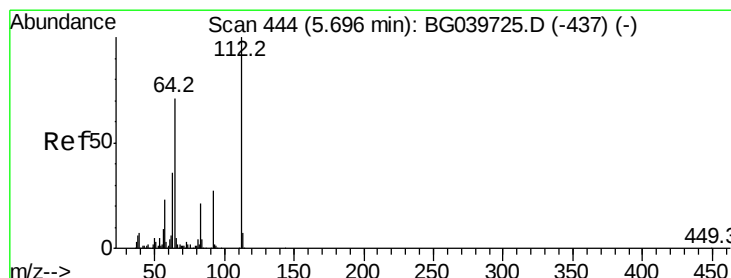
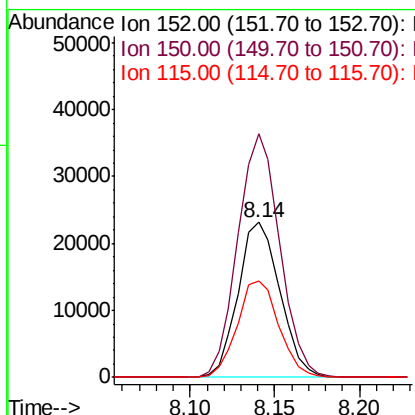
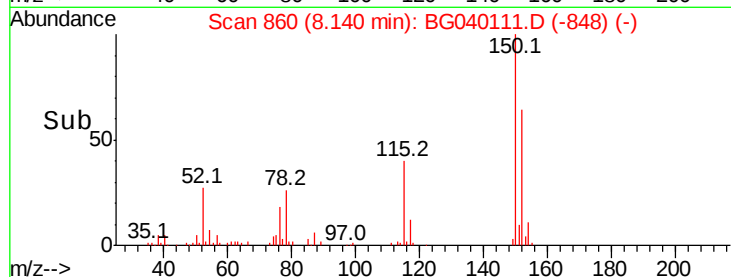
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040111.D
Acq: 23 Mar 2019 10:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 39793
Ion Ratio Lower Upper
152 100
150 157.0 123.7 185.5
115 62.4 45.9 68.9



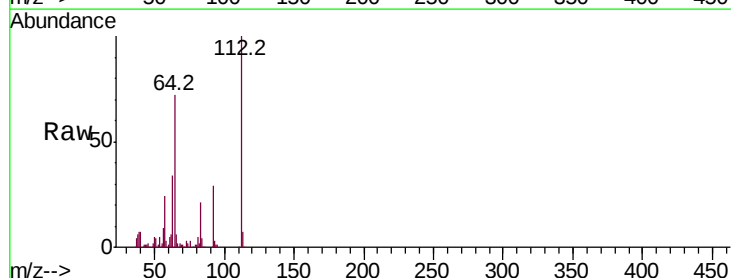
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



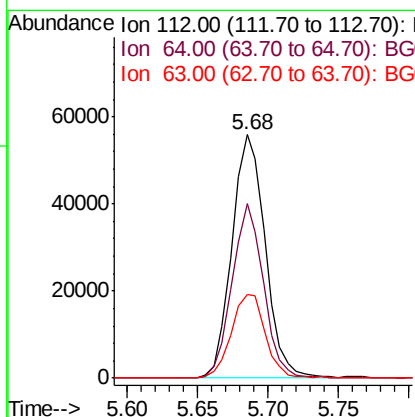
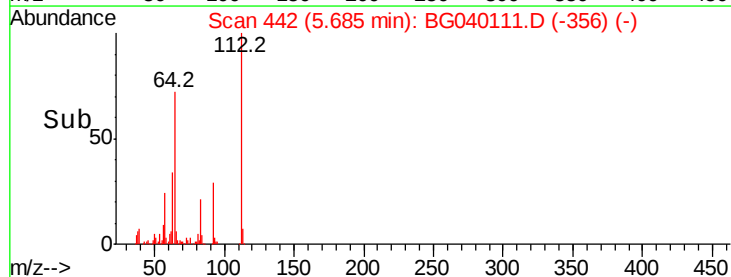
#5

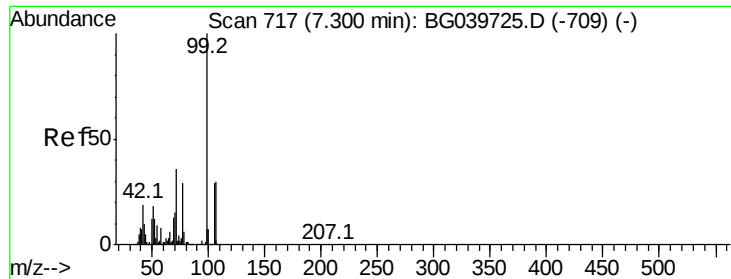
2-Fluorophenol
Concen: 39.360 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.02 min
Lab File: BG040111.D
Acq: 23 Mar 2019 10:52

Tgt Ion:112 Resp: 91807
Ion Ratio Lower Upper
112 100
64 71.6 57.8 86.8
63 34.5 29.8 44.6



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: 24.236 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040111.D

Acq: 23 Mar 2019 10:52

Instrument :

BNA_G

ClientSampleId :

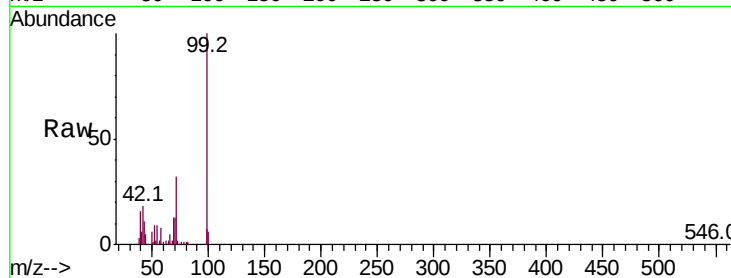
Tot Ion: 99 Resp: 84290

Ion Ratio Lower Upper

99 100

42 17.8 18.2 27.2#

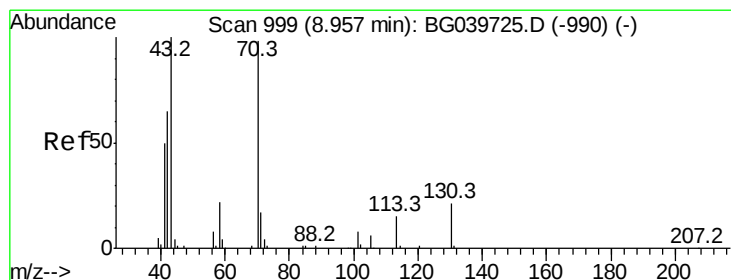
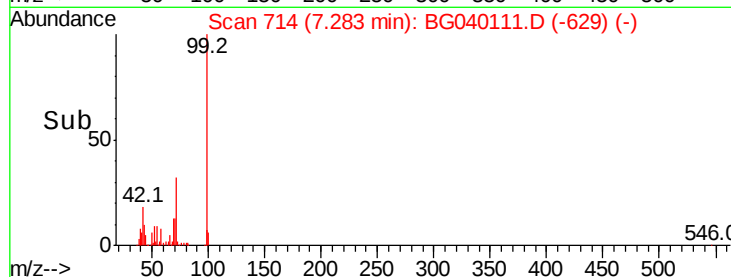
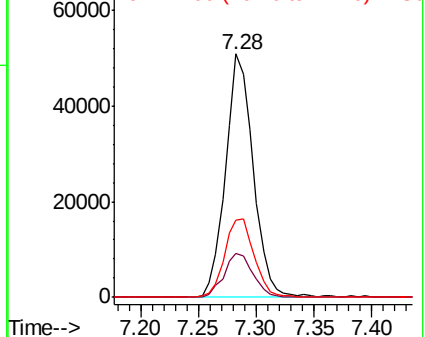
71 32.0 28.0 42.0



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: 15.163 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040111.D

Acq: 23 Mar 2019 10:52

Tgt Ion: 70 Resp: 37958

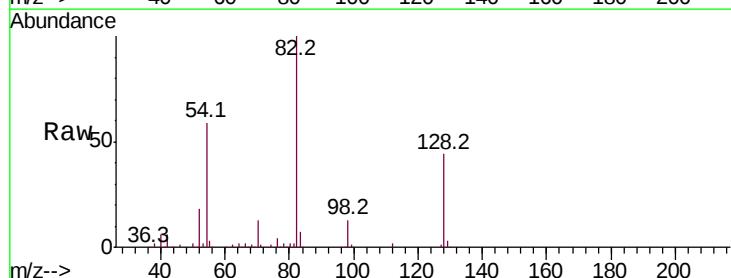
Ion Ratio Lower Upper

70 100

42 48.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

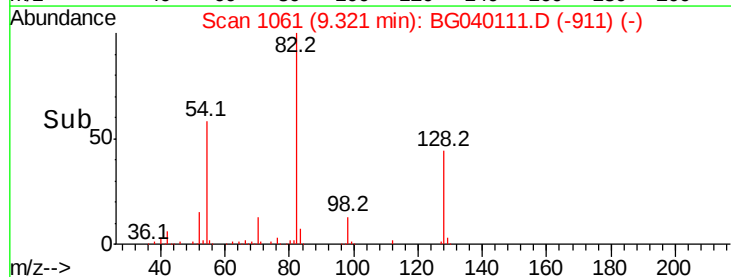
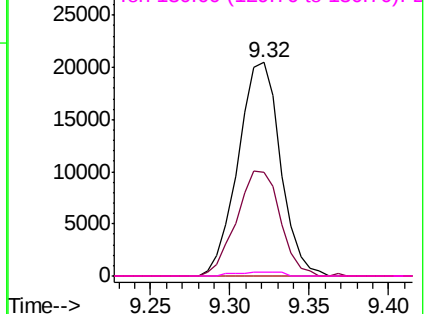


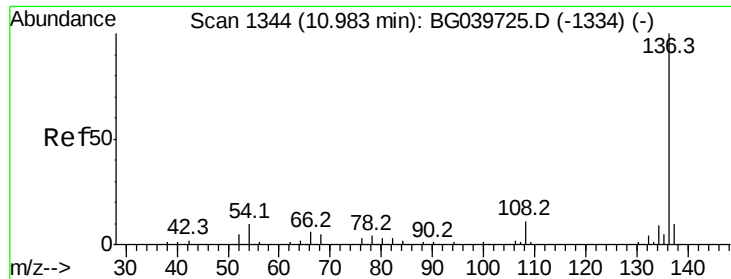
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

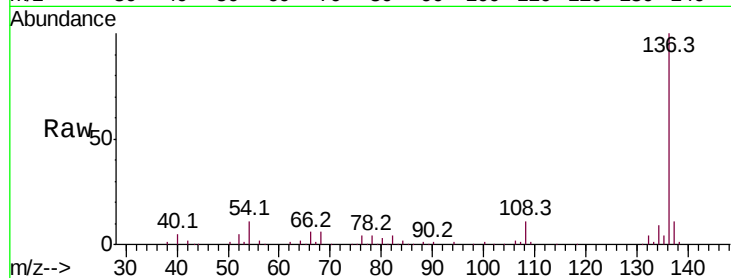




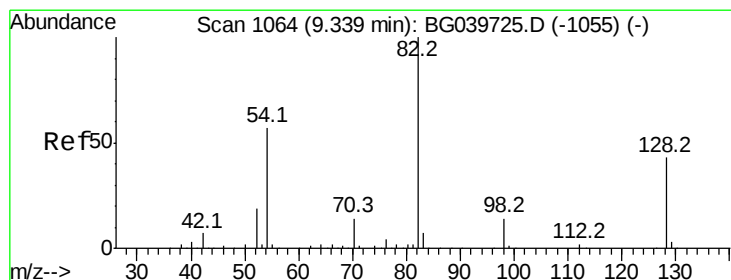
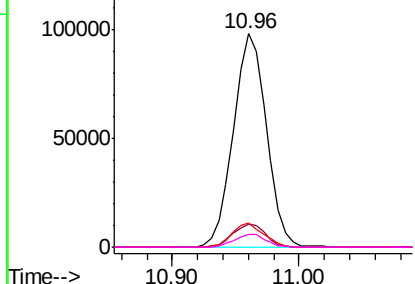
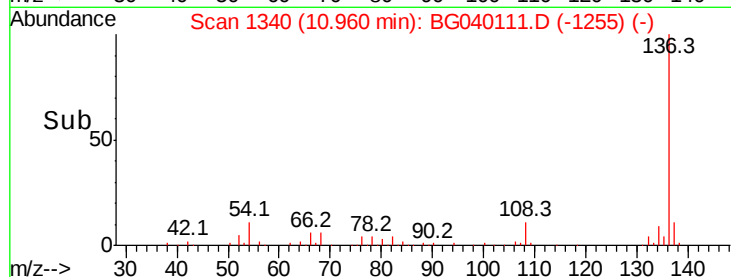
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040111.D
Acq: 23 Mar 2019 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	176981
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	11.5	9.4 14.2
68	5.8	4.2 6.4

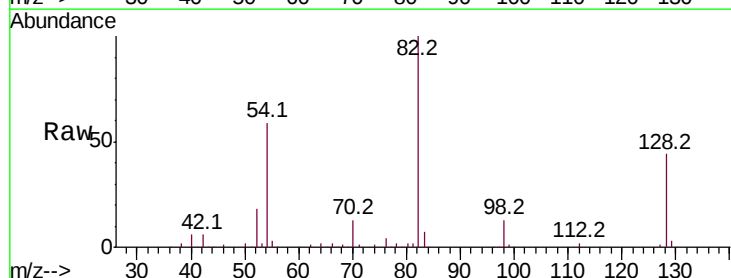


Abundance Ion 136.00 (135.70 to 136.70): E
150000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

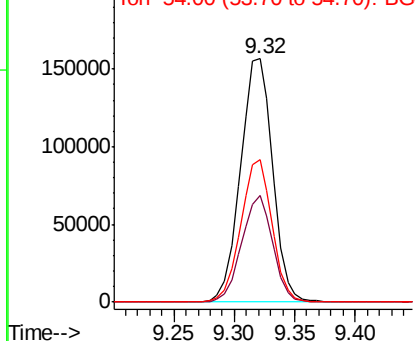
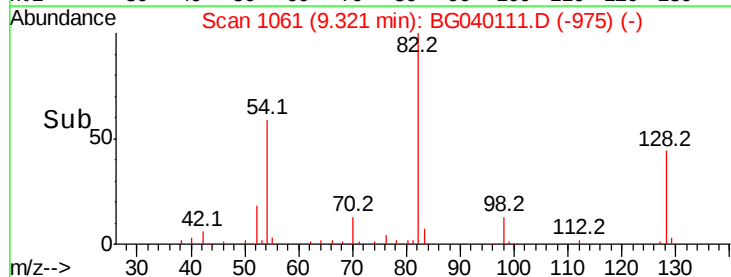


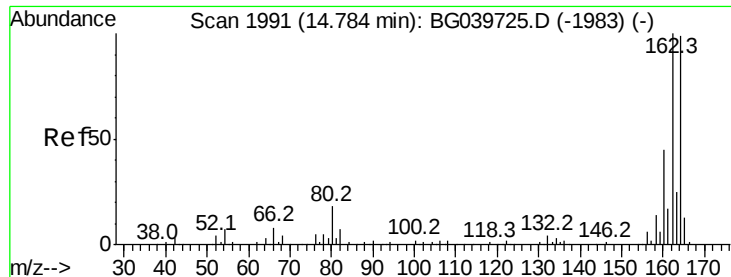
#23
Nitrobenzene-d5
Concen: 89.024 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040111.D
Acq: 23 Mar 2019 10:52

Tgt Ion: 82	Resp:	291317
Ion	Ratio	Lower Upper
82	100	
128	43.8	31.3 46.9
54	58.6	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000 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: BG040111.D

Acq: 23 Mar 2019 10:52

Instrument :

BNA_G

ClientSampleId :

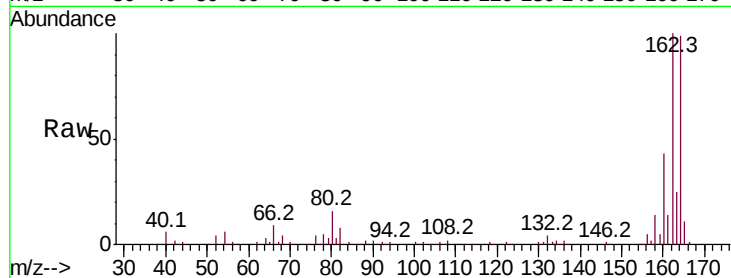
Tot Ion:164 Resp: 123154

Ion Ratio Lower Upper

164 100

162 101.4 81.6 122.4

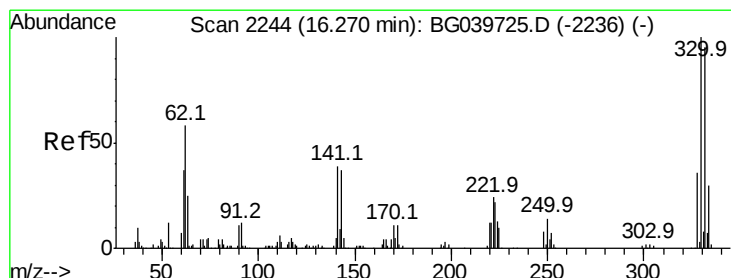
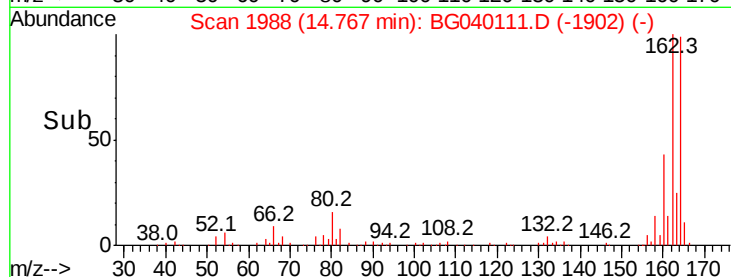
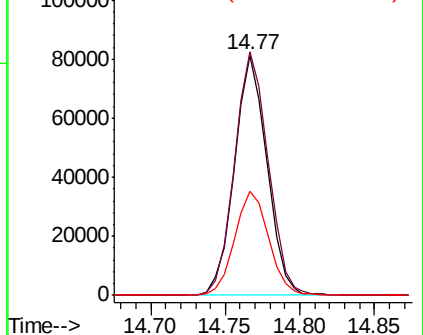
160 43.5 34.2 51.2



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: 91.761 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040111.D

Acq: 23 Mar 2019 10:52

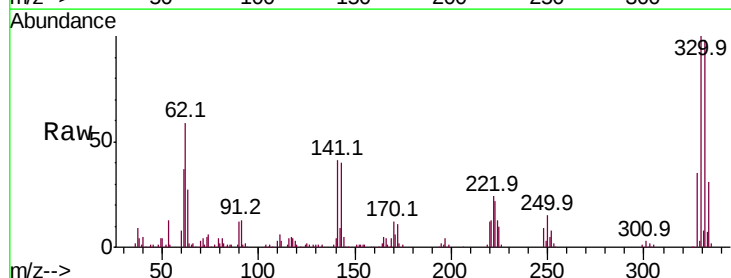
Tgt Ion:330 Resp: 131718

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

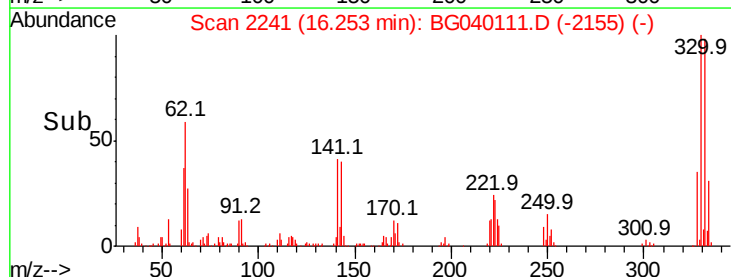
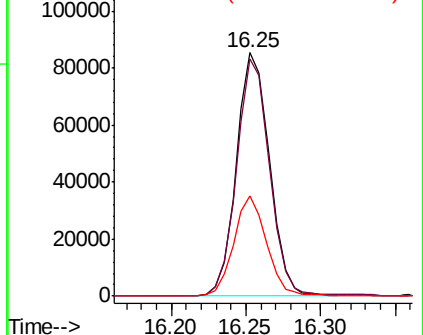
141 40.8 35.6 53.4

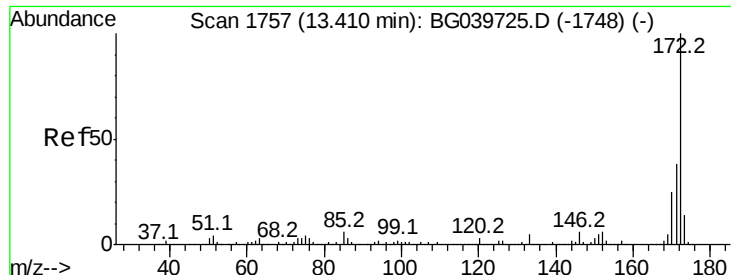


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

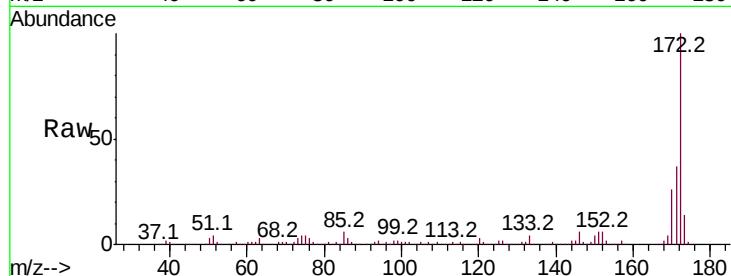




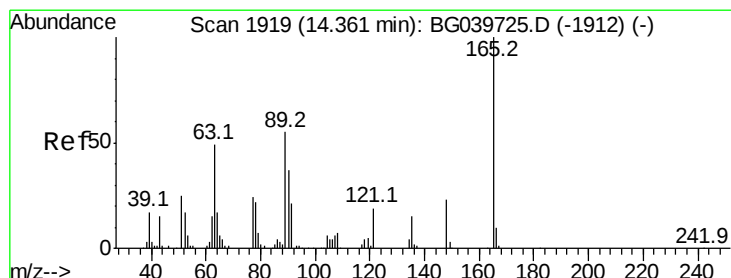
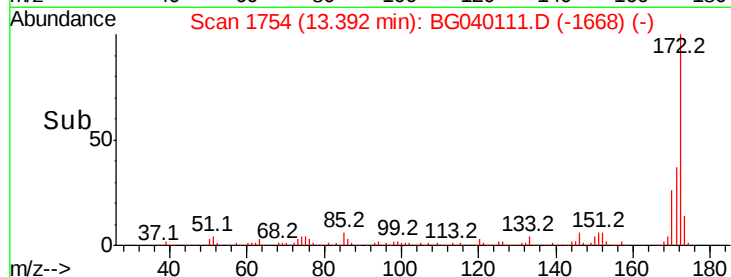
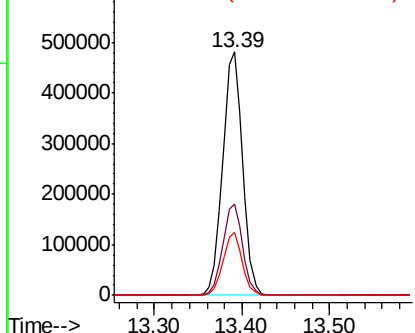
#45
 2-Fluorobiphenyl
 Concen: 87.532 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 757109
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 25.7 20.2 30.4

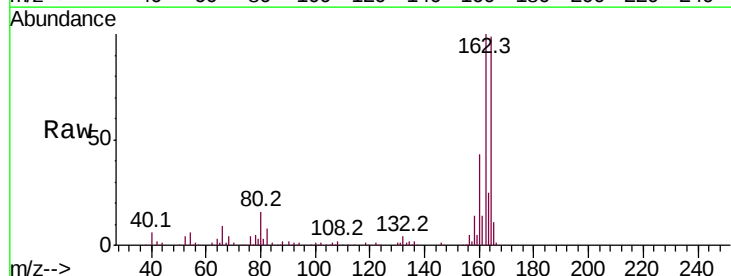


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

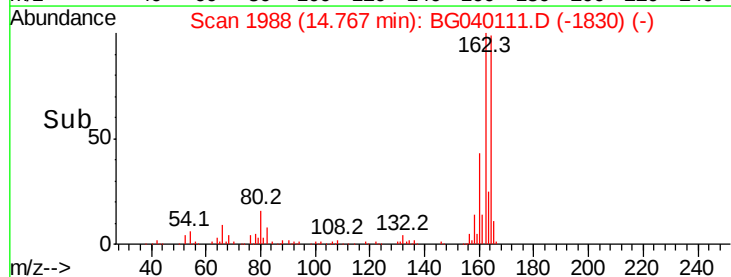
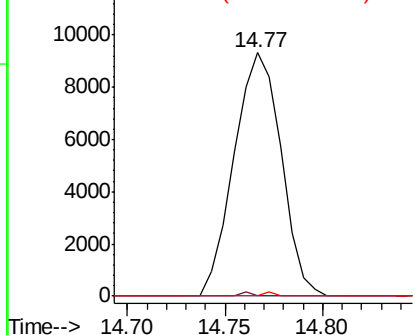


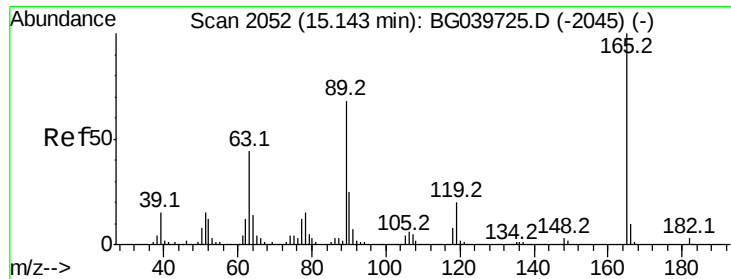
#51
 2,6-Dinitrotoluene
 Concen: 7.122 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

Tgt Ion:165 Resp: 15548
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 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

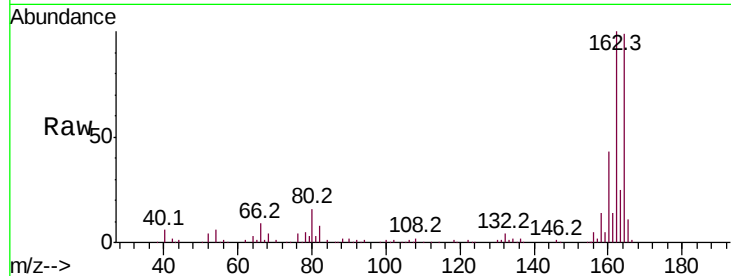




#57
 2,4-Dinitrotoluene
 Concen: 5.069 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

Instrument :
 BNA_G
 ClientSampled :

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

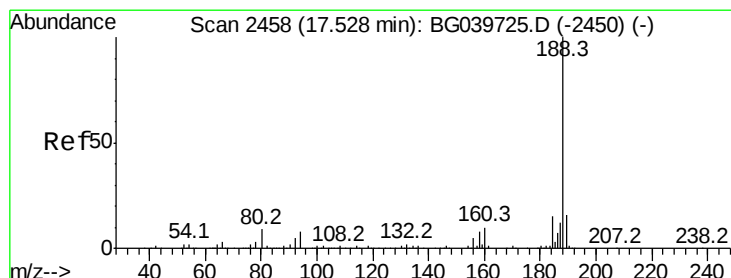
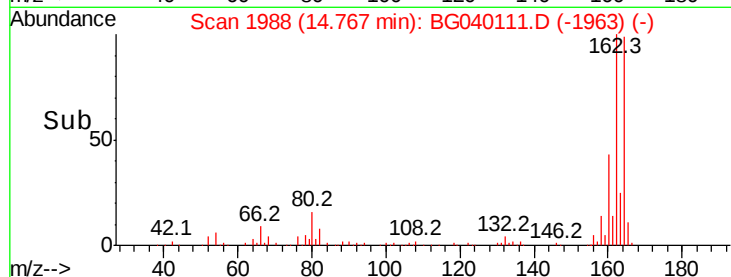
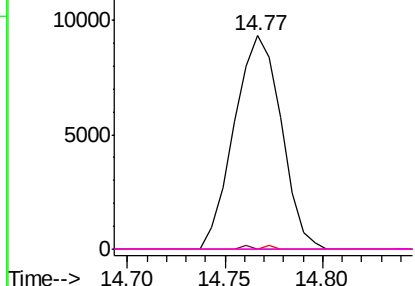


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

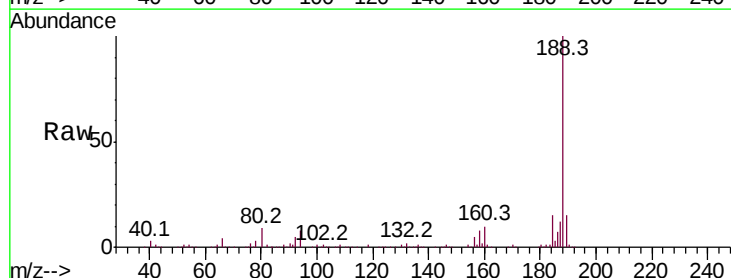
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

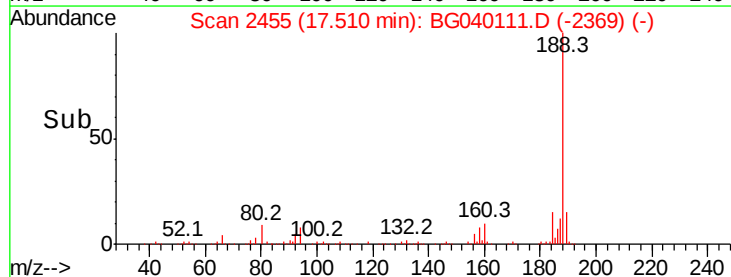
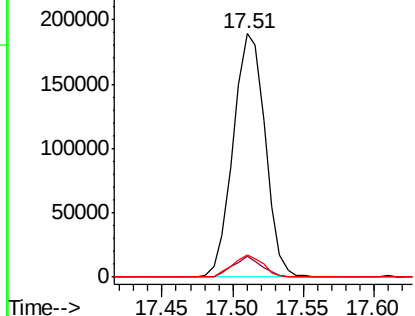
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.3	8.1	12.1

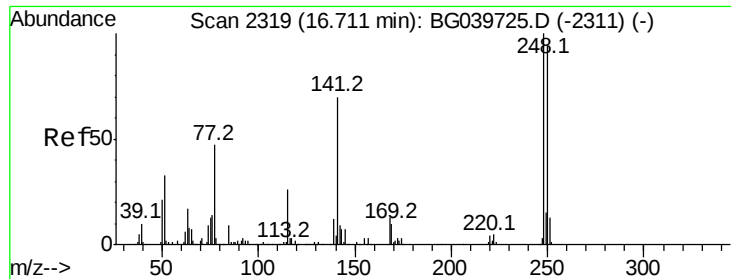


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

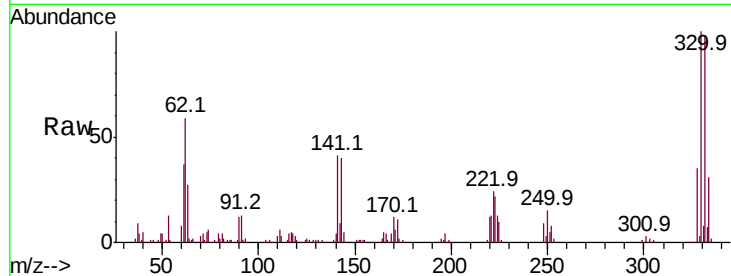




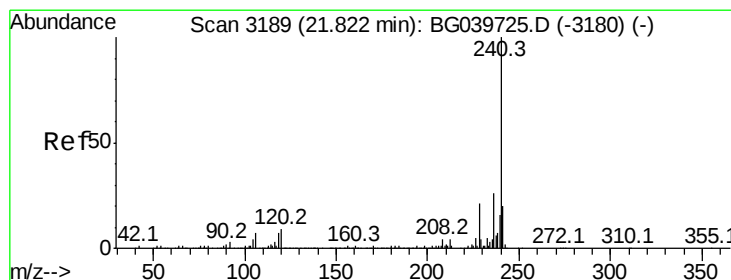
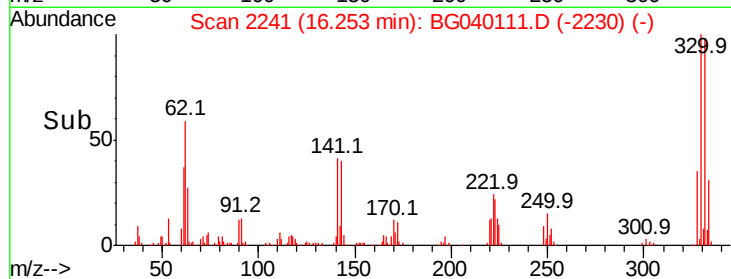
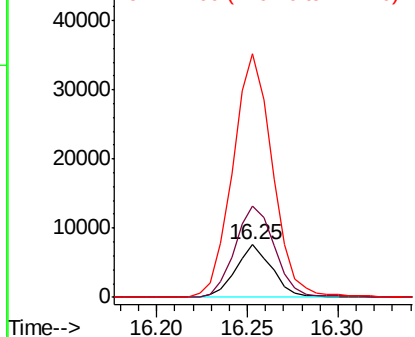
#67
 4-Bromophenyl-phenylether
 Concen: 3.143 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 10533
 Ion Ratio Lower Upper
 248 100
 250 174.2 77.6 116.4#
 141 465.2 63.9 95.9#

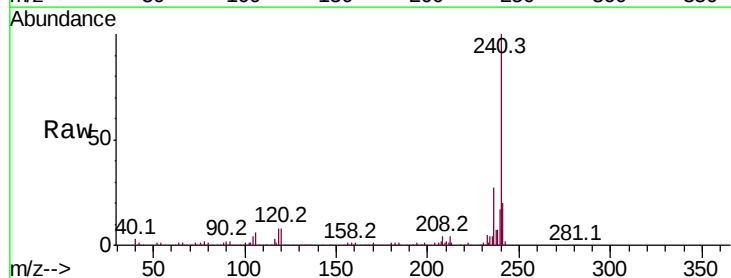


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

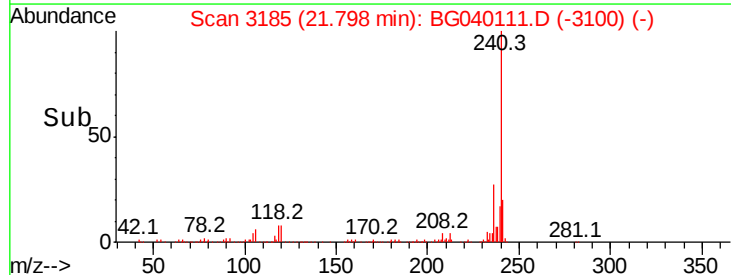
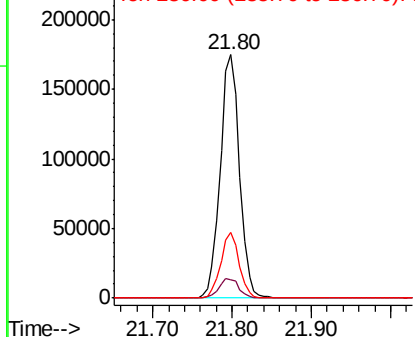


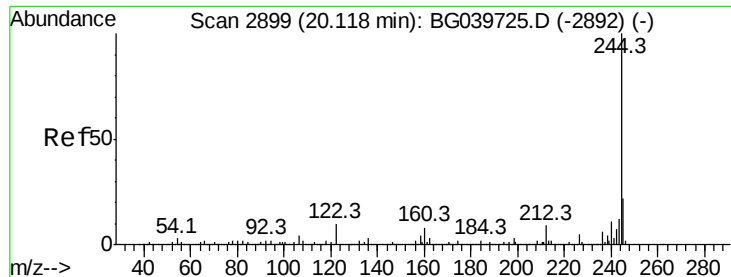
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040111.D
 Acq: 23 Mar 2019 10:52

Tgt Ion:240 Resp: 293211
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.0 10.6
 236 26.8 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: 77.342 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040111.D

Acq: 23 Mar 2019 10:52

Instrument :

BNA_G

ClientSampled :

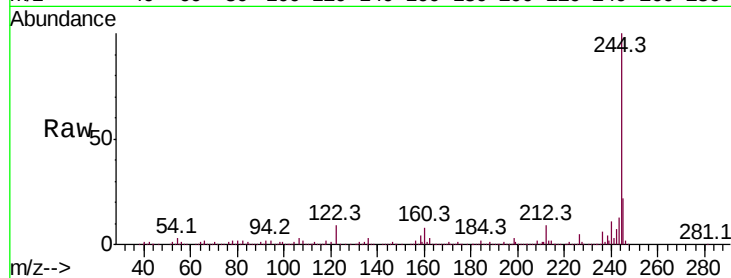
Tot Ion:244 Resp: 1029953

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.3	10.9
122	8.8	8.4	12.6

244 100

212 8.9 7.3 10.9

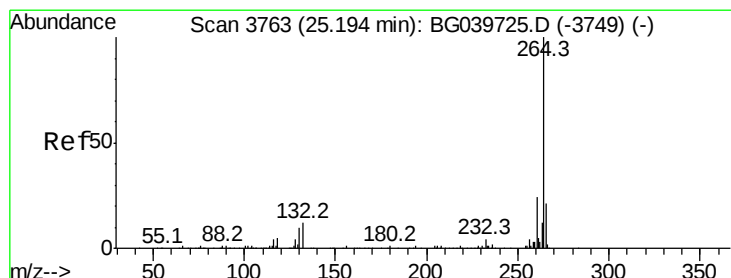
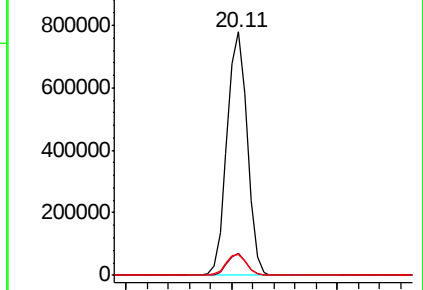
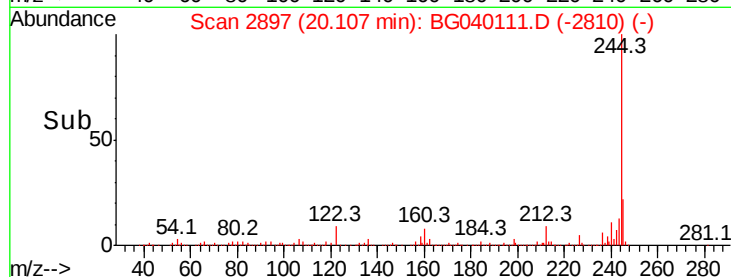
122 8.8 8.4 12.6



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# 3757

Delta R.T. -0.04 min

Lab File: BG040111.D

Acq: 23 Mar 2019 10:52

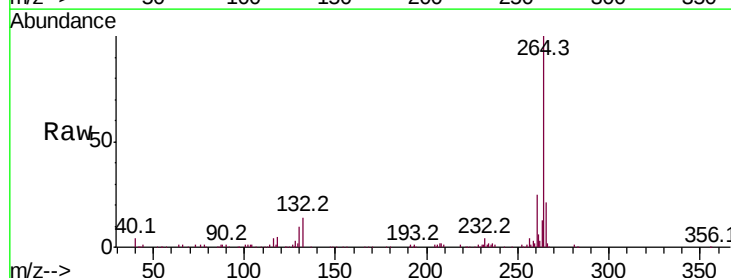
Tgt Ion:264 Resp: 293752

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.4
265	21.4	18.5	27.7

264 100

260 25.1 18.2 27.4

265 21.4 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

