

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040625.D
 Acq On : 26 Apr 2019 12:26
 Operator : JU/SJ
 Sample : K2535-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S37-0016

Quant Time: Apr 27 02:01:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

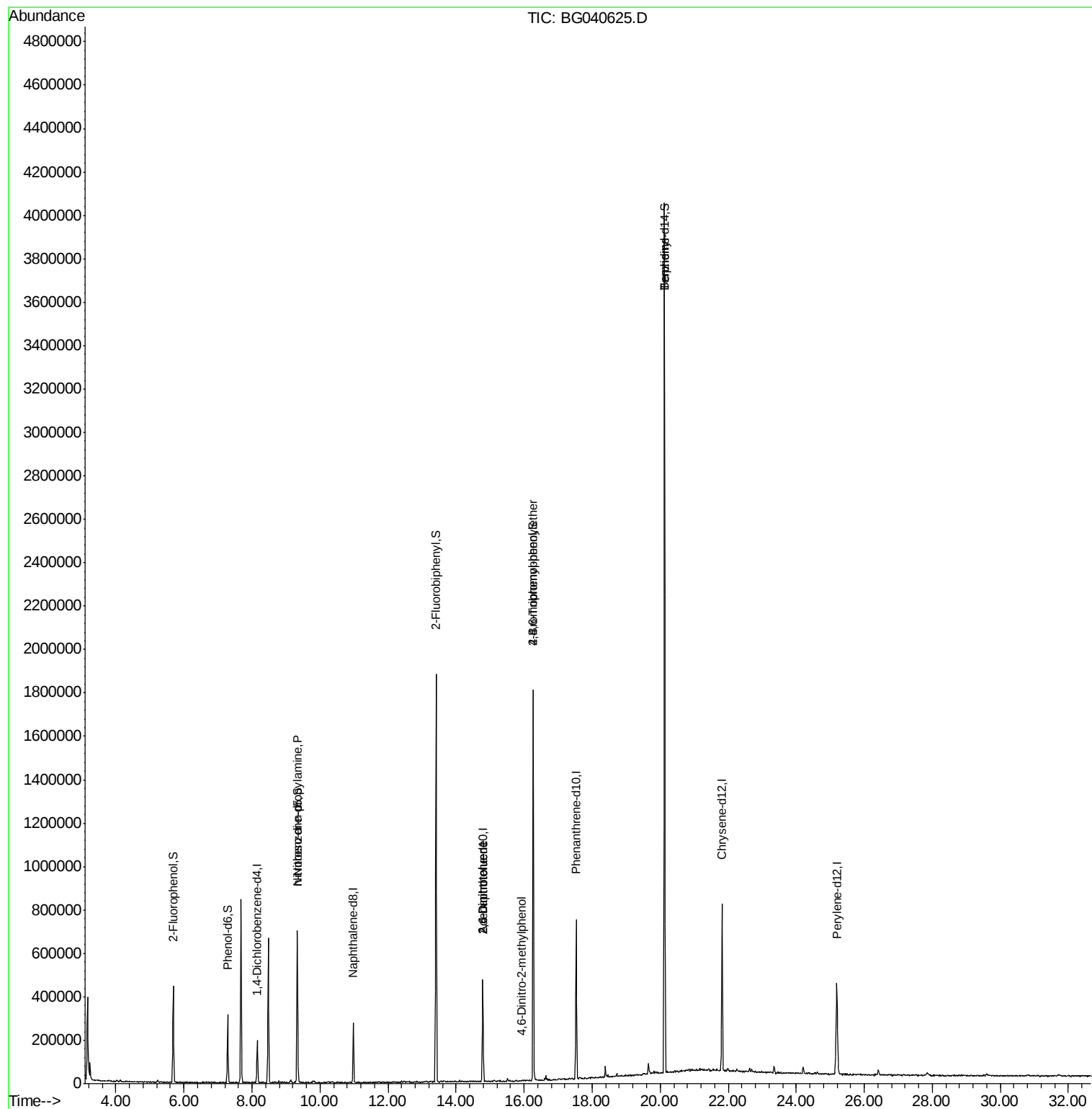
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	46995	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	205038	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	153886	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	414896	20.00	ng	0.00
76) Chrysene-d12	21.82	240	426123	20.00	ng	0.00
87) Perylene-d12	25.19	264	444022	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	155837	58.45	ng	0.00
7) Phenol-d6	7.29	99	148546	36.19	ng	0.00
23) Nitrobenzene-d5	9.33	82	409344	92.25	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	298963	141.34	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	856679	80.40	ng	0.00
79) Terphenyl-d14	20.13	244	1764181	91.72	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	416	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	61546	16.656 ng	#	33
51) 2,6-Dinitrotoluene	14.79	165	20888	8.312 ng	#	76
57) 2,4-Dinitrotoluene	14.79	165	20888	6.117 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.92	198	61	7.127 ng	#	18
67) 4-Bromophenyl-phenylether	16.27	248	22884	4.427 ng	#	37
77) Benzydine	20.13	184	37552	3.219 ng	#	1
					#	92

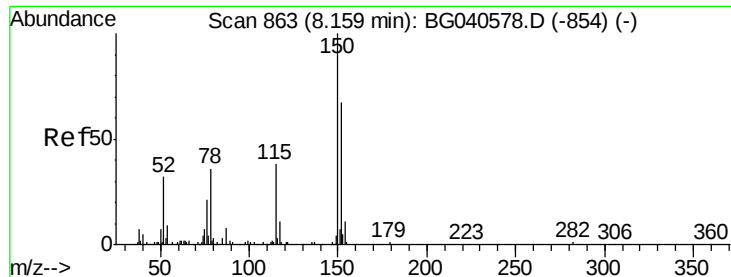
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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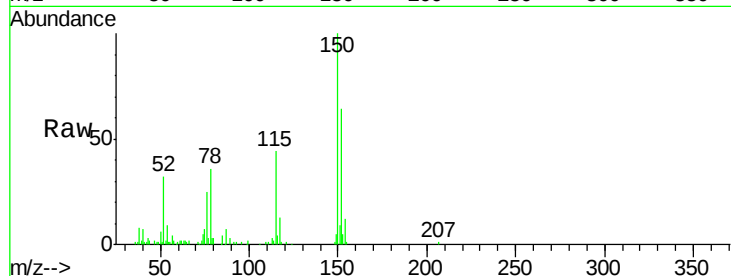


#1

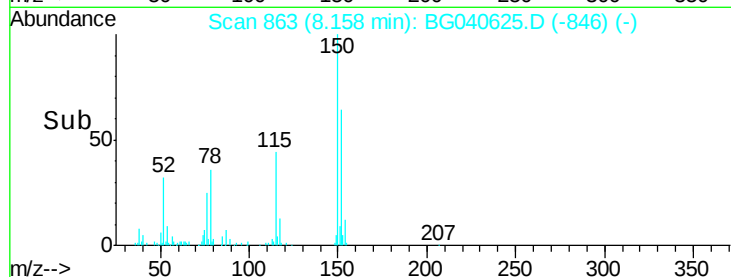
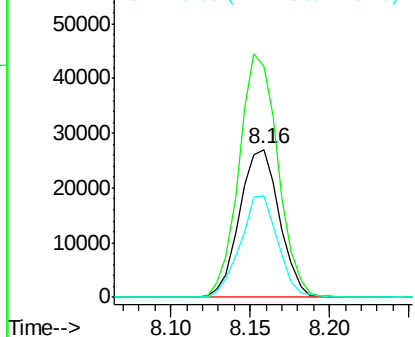
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Instrument :
BNA_G
ClientSampleId :
S37-0016

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	120.2	180.2
115	68.8	46.2	69.2



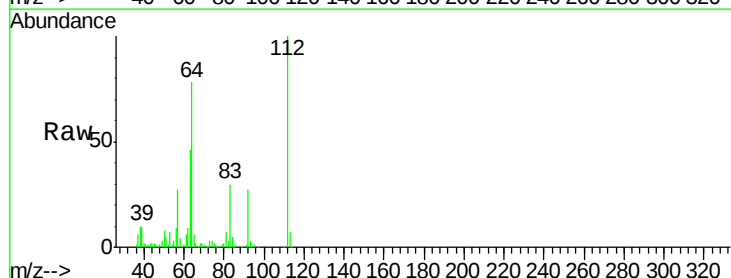
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



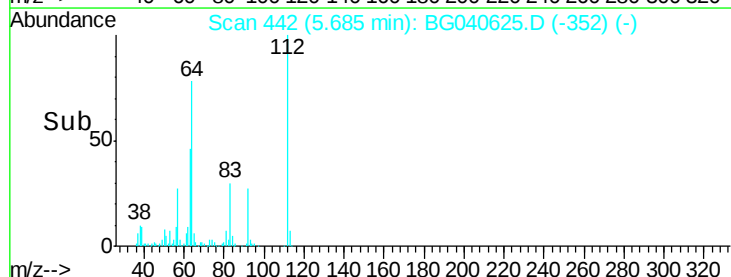
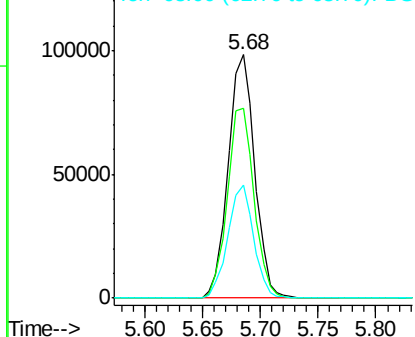
#5

2-Fluorophenol
Concen: 58.454 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.1	61.4	92.0
63	46.3	37.8	56.6



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: 36.188 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

S37-0016

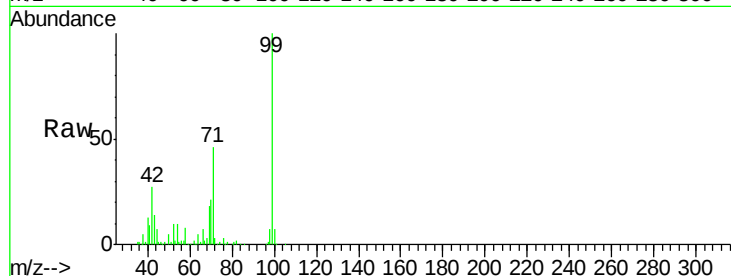
Tot Ion: 99 Resp: 148546

Ion Ratio Lower Upper

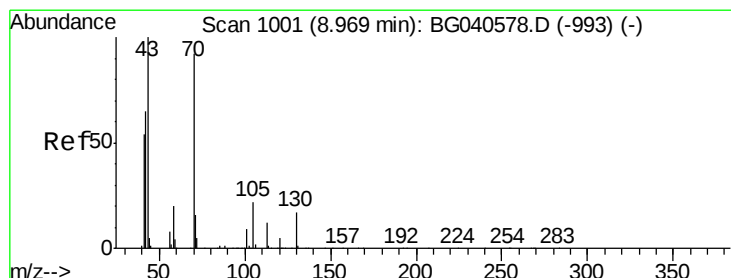
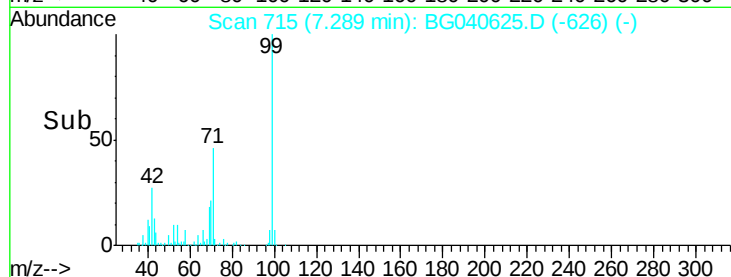
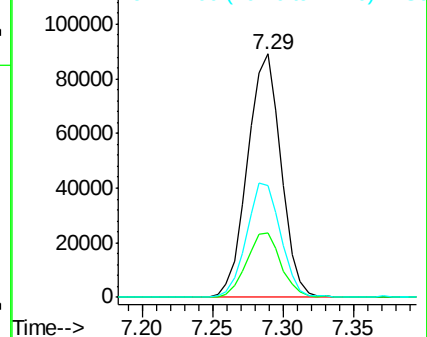
99 100

42 26.6 21.8 32.8

71 46.2 38.6 57.8



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: 16.656 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Tgt Ion: 70 Resp: 61546

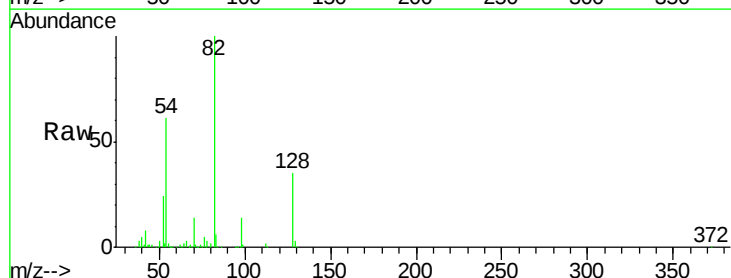
Ion Ratio Lower Upper

70 100

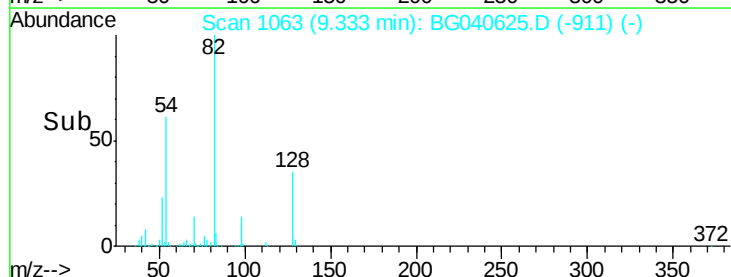
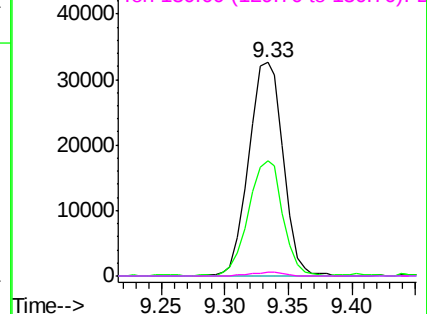
42 54.2 57.1 85.7#

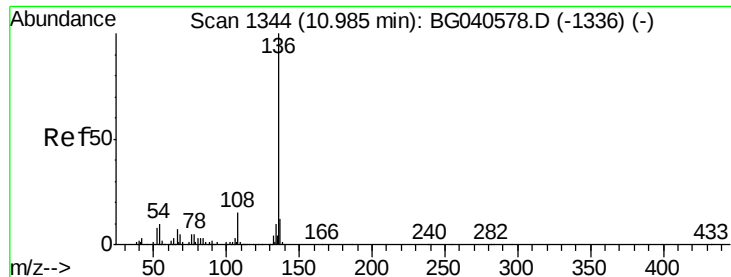
101 0.0 7.8 11.8#

130 1.9 14.6 21.8#



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

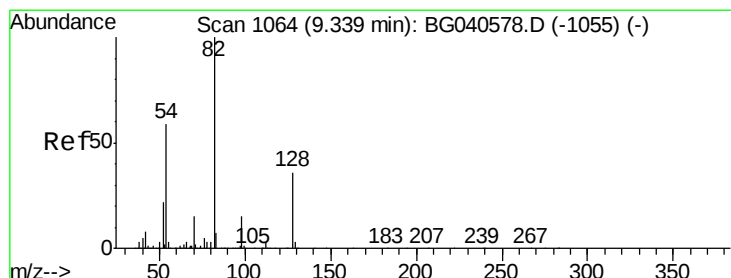
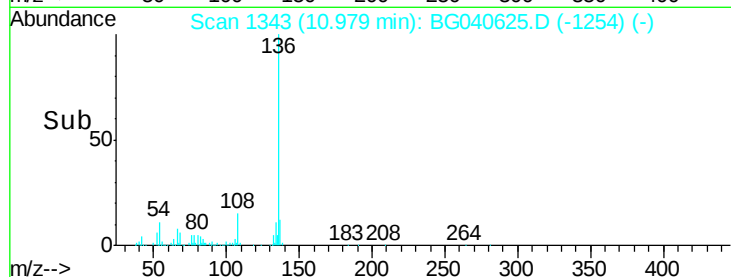
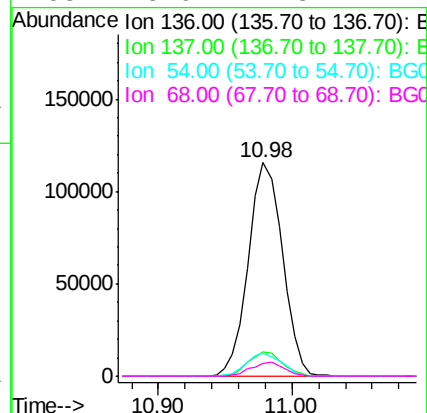
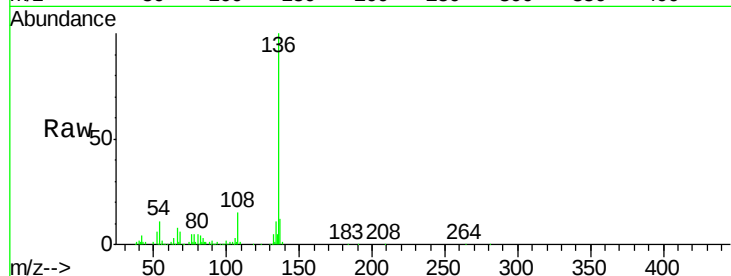




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

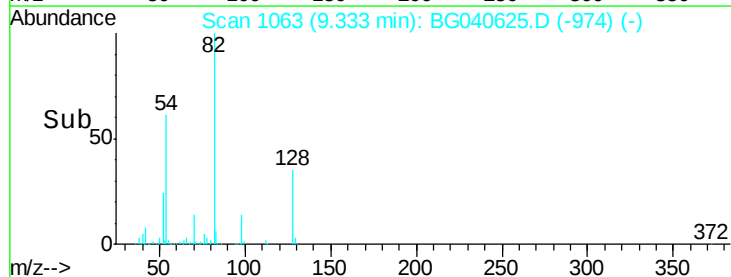
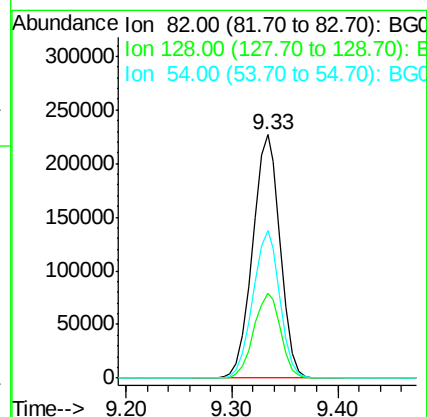
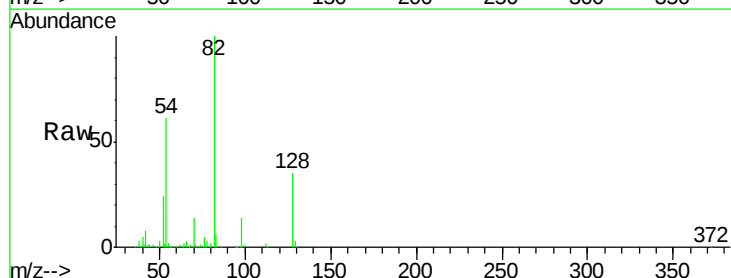
Instrument :
BNA_G
ClientSampleId :
S37-0016

Tot Ion:136	Resp:	205038	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.7	14.5	
54 10.9	8.6	12.8	
68 5.9	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 92.248 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion: 82	Resp: 409344
Ion Ratio	Lower Upper
82 100	
128 34.9	28.9 43.3
54 60.7	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

S37-0016

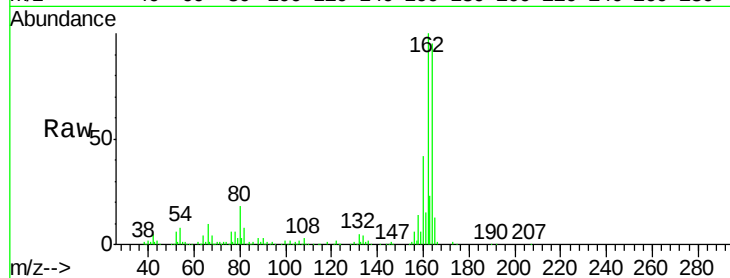
Tot Ion:164 Resp: 153886

Ion Ratio Lower Upper

164 100

162 105.5 81.9 122.9

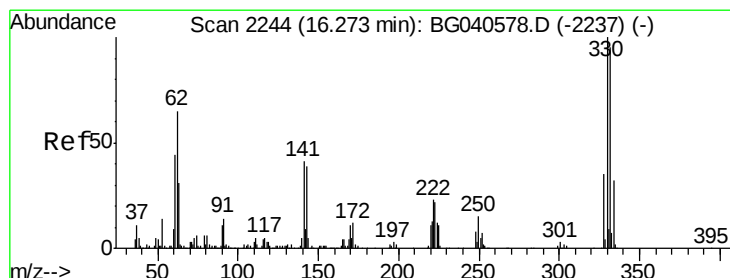
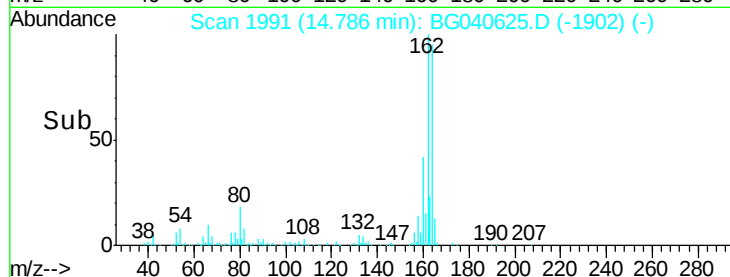
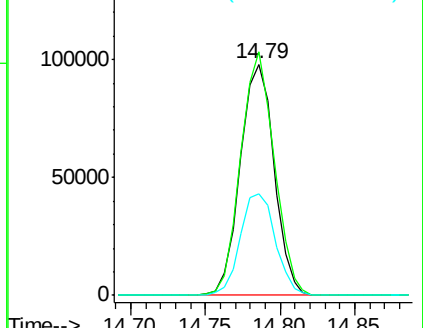
160 43.8 35.4 53.2



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: 141.340 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

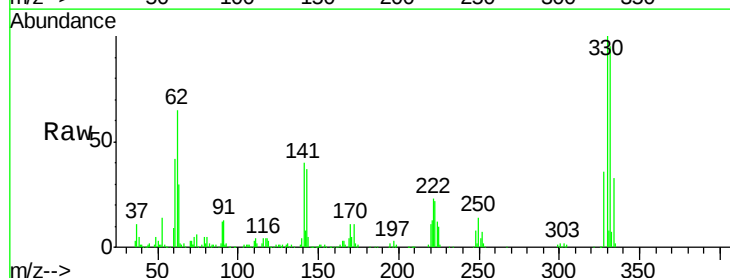
Tgt Ion:330 Resp: 298963

Ion Ratio Lower Upper

330 100

332 98.1 75.9 113.9

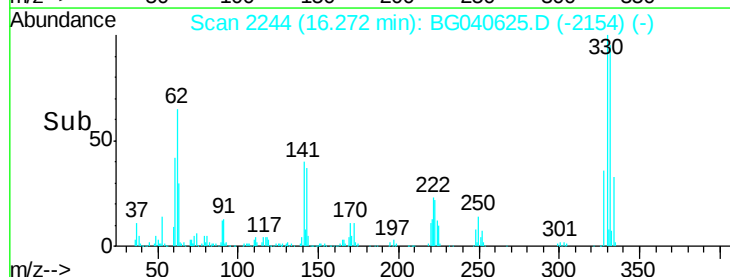
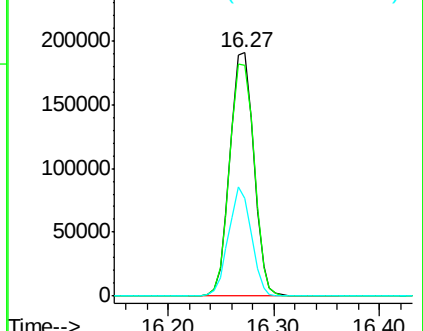
141 42.6 32.4 48.6

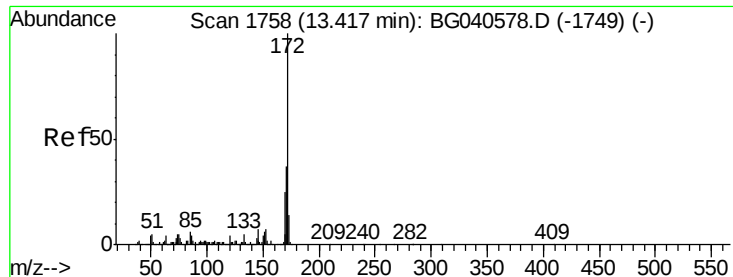


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

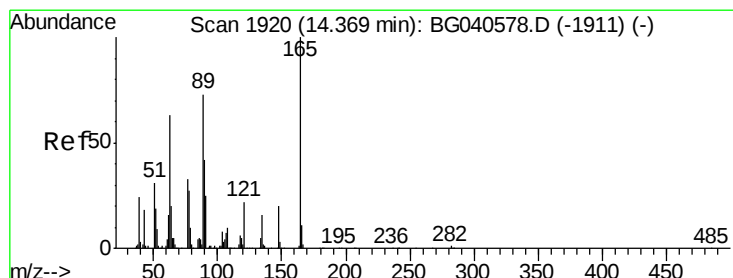
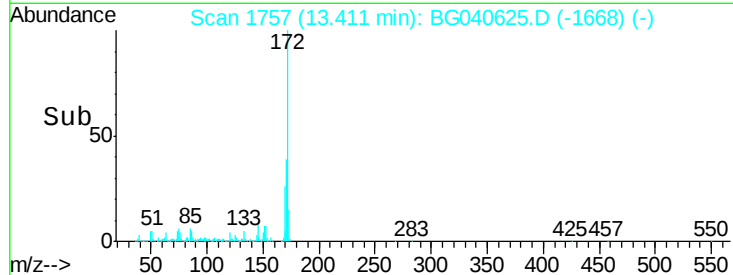
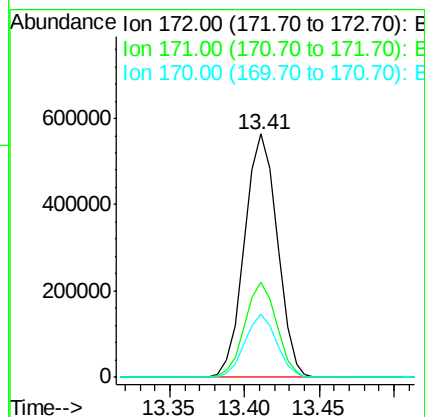
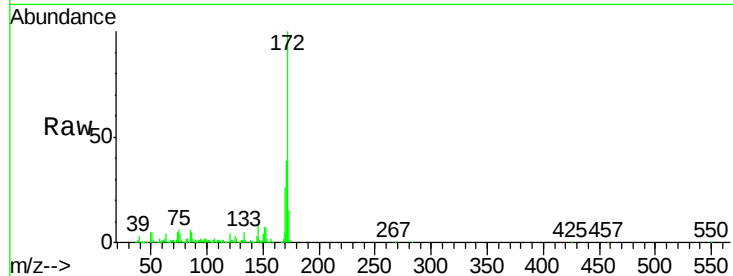




#45
2-Fluorobiphenyl
Concen: 80.398 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

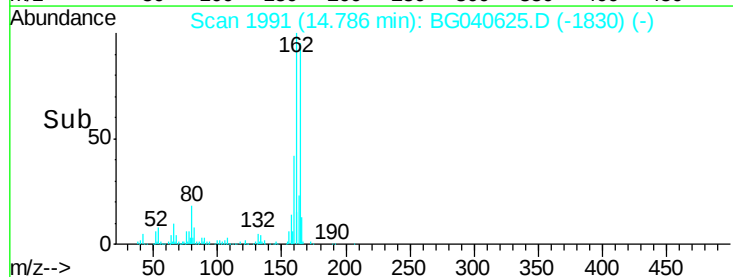
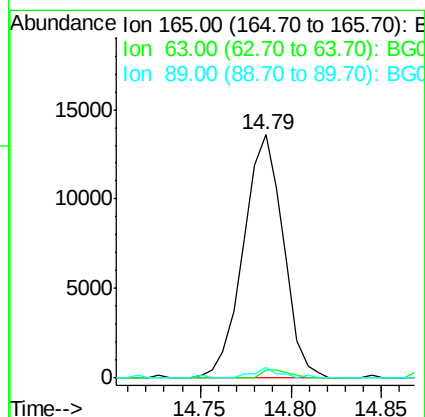
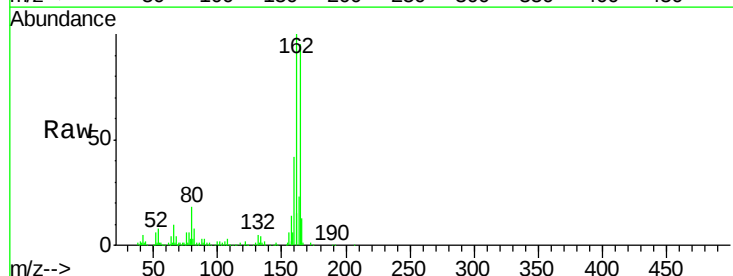
Instrument :
BNA_G
ClientSampleId :
S37-0016

Tot Ion:172 Resp: 856679
Ion Ratio Lower Upper
172 100
171 38.8 29.4 44.2
170 25.9 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.312 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion:165 Resp: 20888
Ion Ratio Lower Upper
165 100
63 3.1 61.0 91.4#
89 4.3 58.6 87.8#





#57

2,4-Dinitrotoluene

Concen: 6.117 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

S37-0016

Tot Ion:165 Resp: 20888

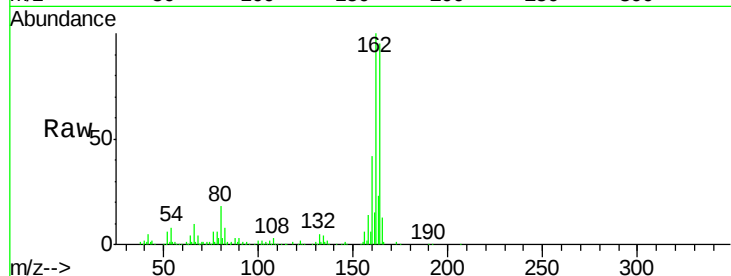
Ion Ratio Lower Upper

165 100

63 3.1 45.8 68.8#

89 4.3 69.4 104.2#

182 0.0 2.2 3.4#

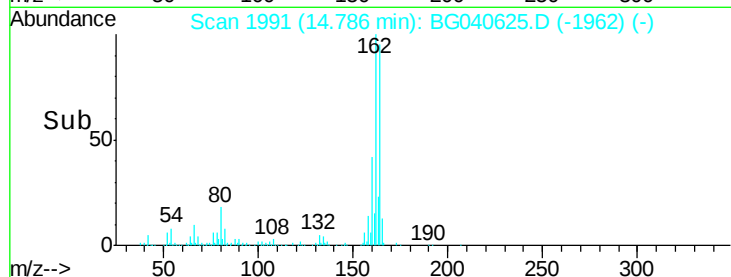


Abundance Ion 165.00 (164.70 to 165.70): E

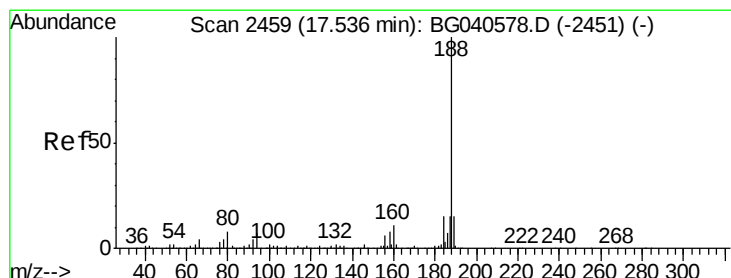
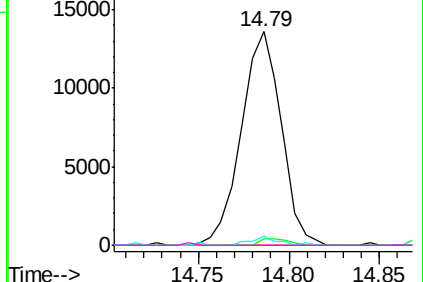
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

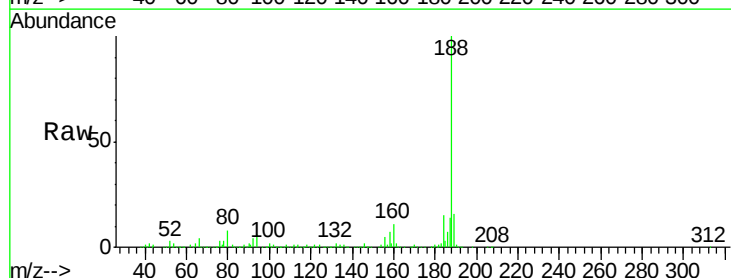
Tgt Ion:188 Resp: 414896

Ion Ratio Lower Upper

188 100

94 6.4 5.6 8.4

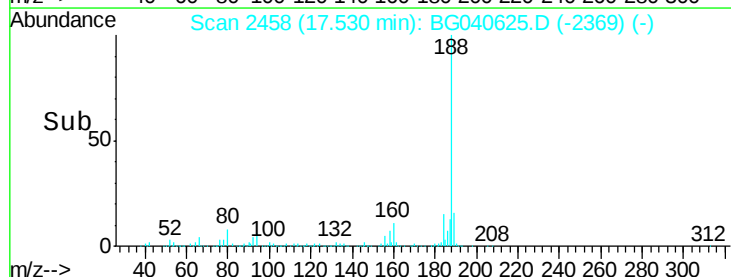
80 8.3 6.4 9.6



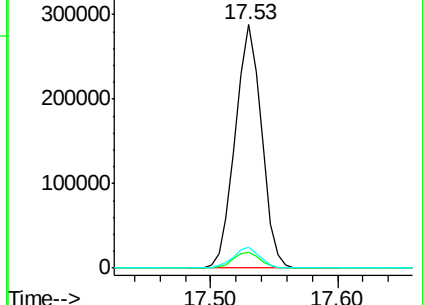
Abundance Ion 188.00 (187.70 to 188.70): E

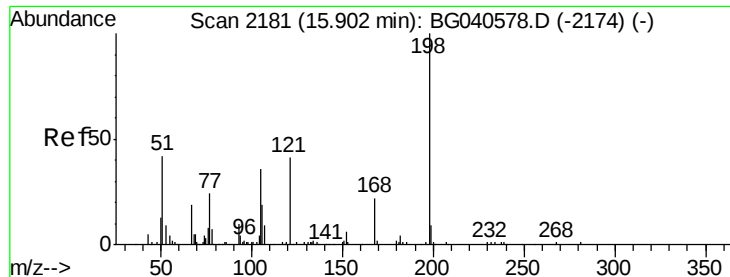
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->





#65

4,6-Dinitro-2-methylphenol

Concen: 7.127 ng

RT: 15.92 min Scan# 2184

Delta R.T. 0.02 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampled :

S37-0016

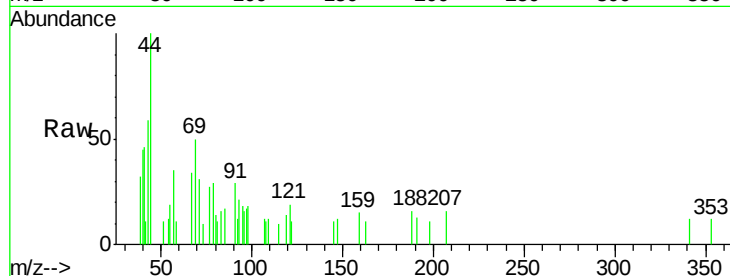
Tot Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 100.0 35.9 75.9#

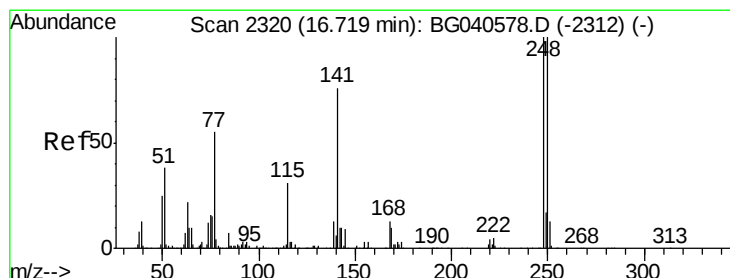
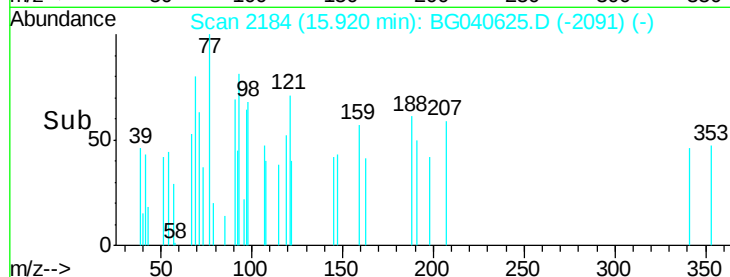
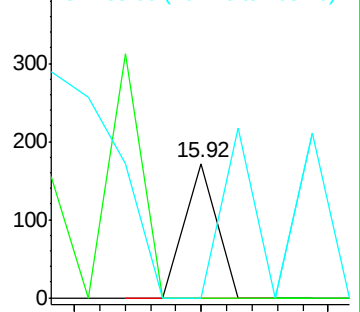
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.427 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

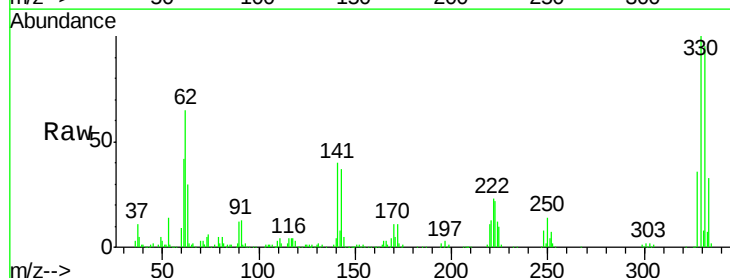
Tgt Ion:248 Resp: 22884

Ion Ratio Lower Upper

248 100

250 185.1 79.8 119.6#

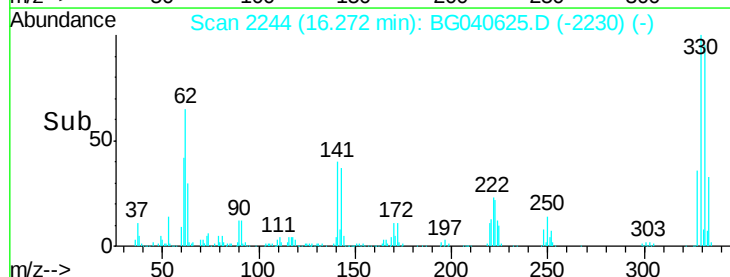
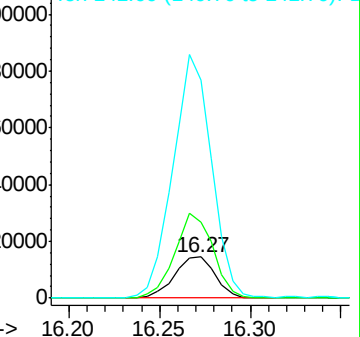
141 533.0 60.8 91.2#

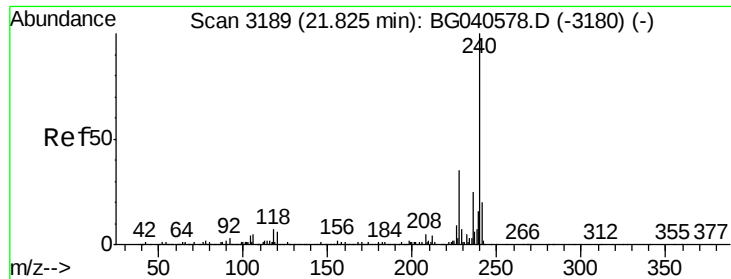


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

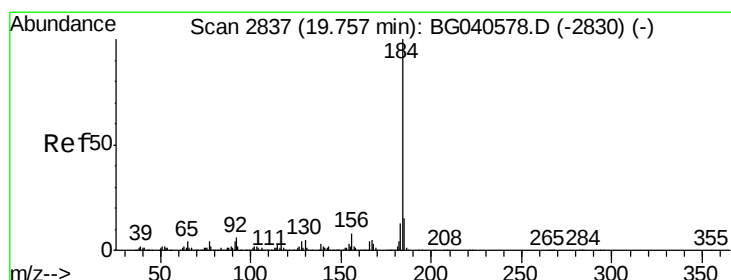
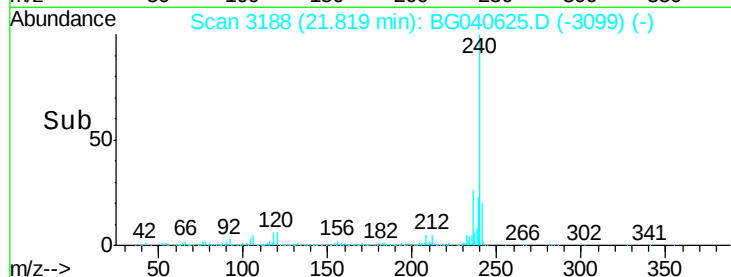
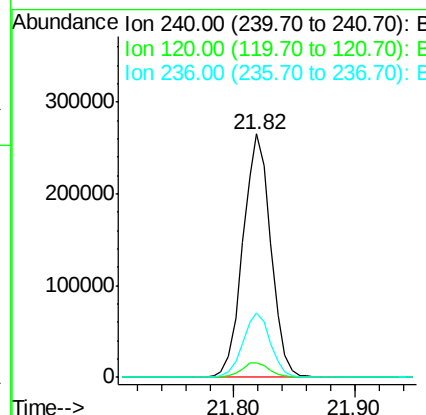
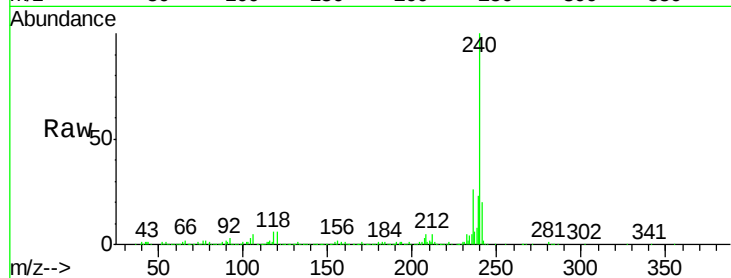




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

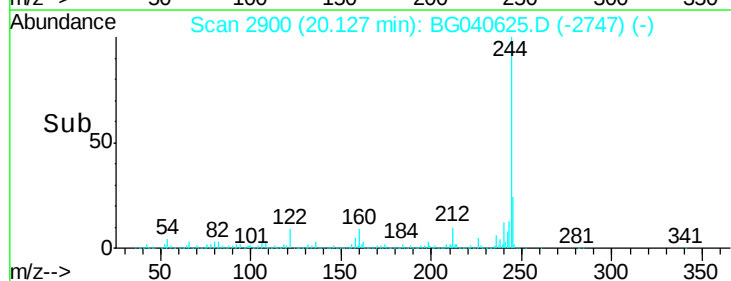
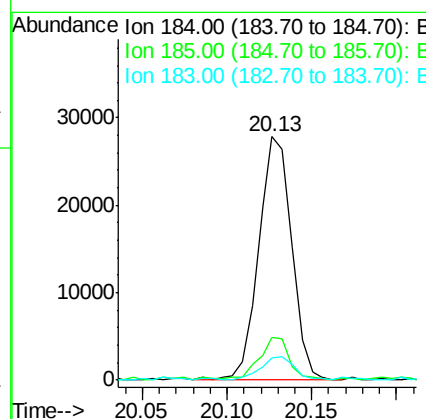
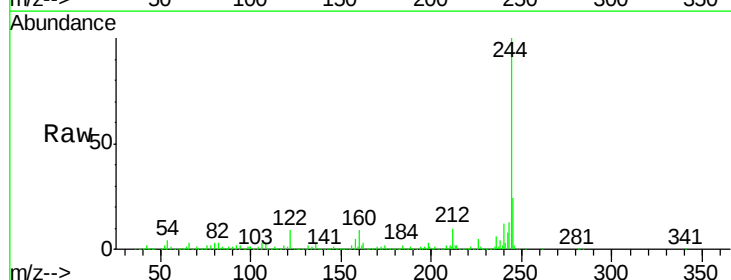
Instrument :
BNA_G
ClientSampleId :
S37-0016

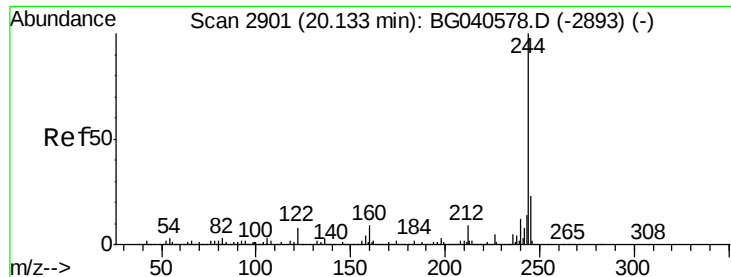
Tot Ion:240 Resp: 426123
Ion Ratio Lower Upper
240 100
120 6.2 5.0 7.6
236 26.4 20.3 30.5



#77
Benzidine
Concen: 3.219 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion:184 Resp: 37552
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.8
183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 91.720 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

S37-0016

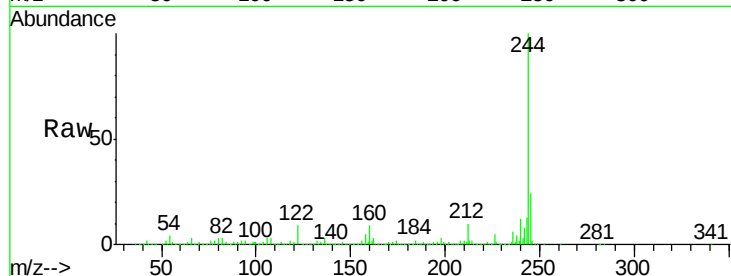
Tot Ion:244 Resp: 1764181

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.2	10.8
122	8.8	6.6	10.0

244 100

212 9.6 7.2 10.8

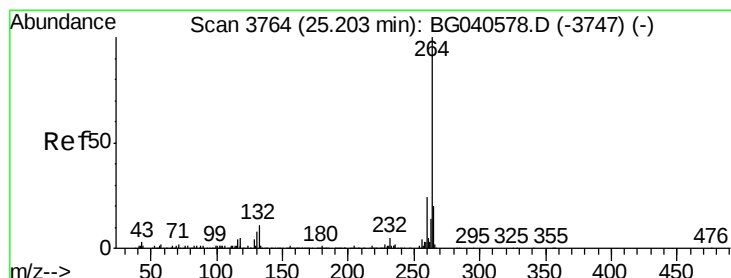
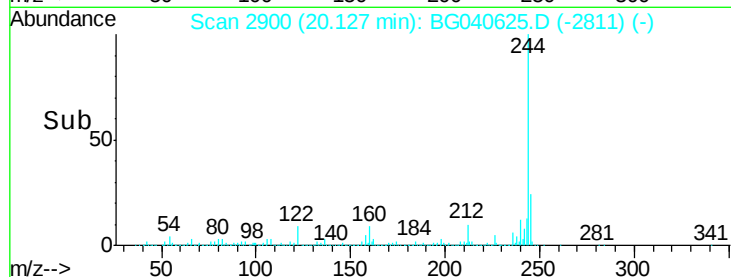
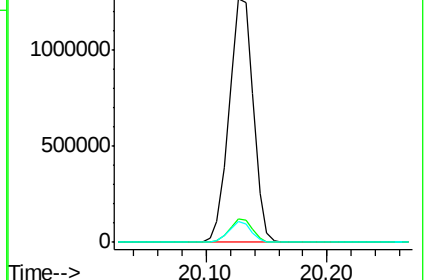
122 8.8 6.6 10.0



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: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

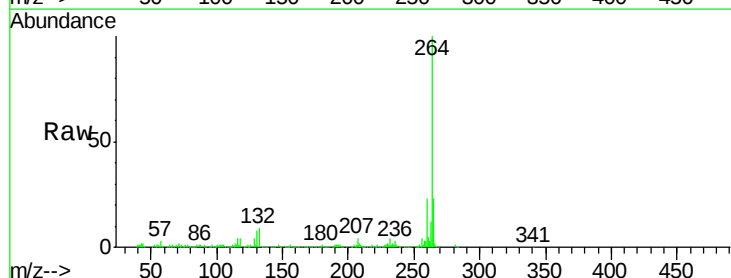
Tgt Ion:264 Resp: 444022

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	16.6	25.0

264 100

260 23.5 19.2 28.8

265 22.6 16.6 25.0



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

