

Data File : BG043937.D
Acq On : 6 Jan 2020 18:55
Operator : JU
Sample : PB125878BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB125814BL

Quant Time: Jan 07 04:47:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	130086	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	567107	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	391923	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	848099	20.00	ng	0.00
76) Chrysene-d12	21.58	240	747593	20.00	ng	0.00
87) Perylene-d12	24.71	264	823457	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	475979	67.18	ng	0.00
7) Phenol-d6	7.12	99	406082	41.00	ng	0.00
23) Nitrobenzene-d5	9.12	82	980545	92.50	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	606144	147.79	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2103510	97.24	ng	0.00
79) Terphenyl-d14	19.95	244	2801549	92.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	14750	4.775	ng	# 1
19) n-Nitroso-di-n-propylamine	9.12	70	131415	17.819	ng	# 80
51) 2,6-Dinitrotoluene	14.59	165	52067	8.278	ng	# 27
57) 2,4-Dinitrotoluene	14.59	165	52067	6.084	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	2118	4.830	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	43862	4.598	ng	# 1
77) Benzidine	19.95	184	63924	3.402	ng	# 93

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

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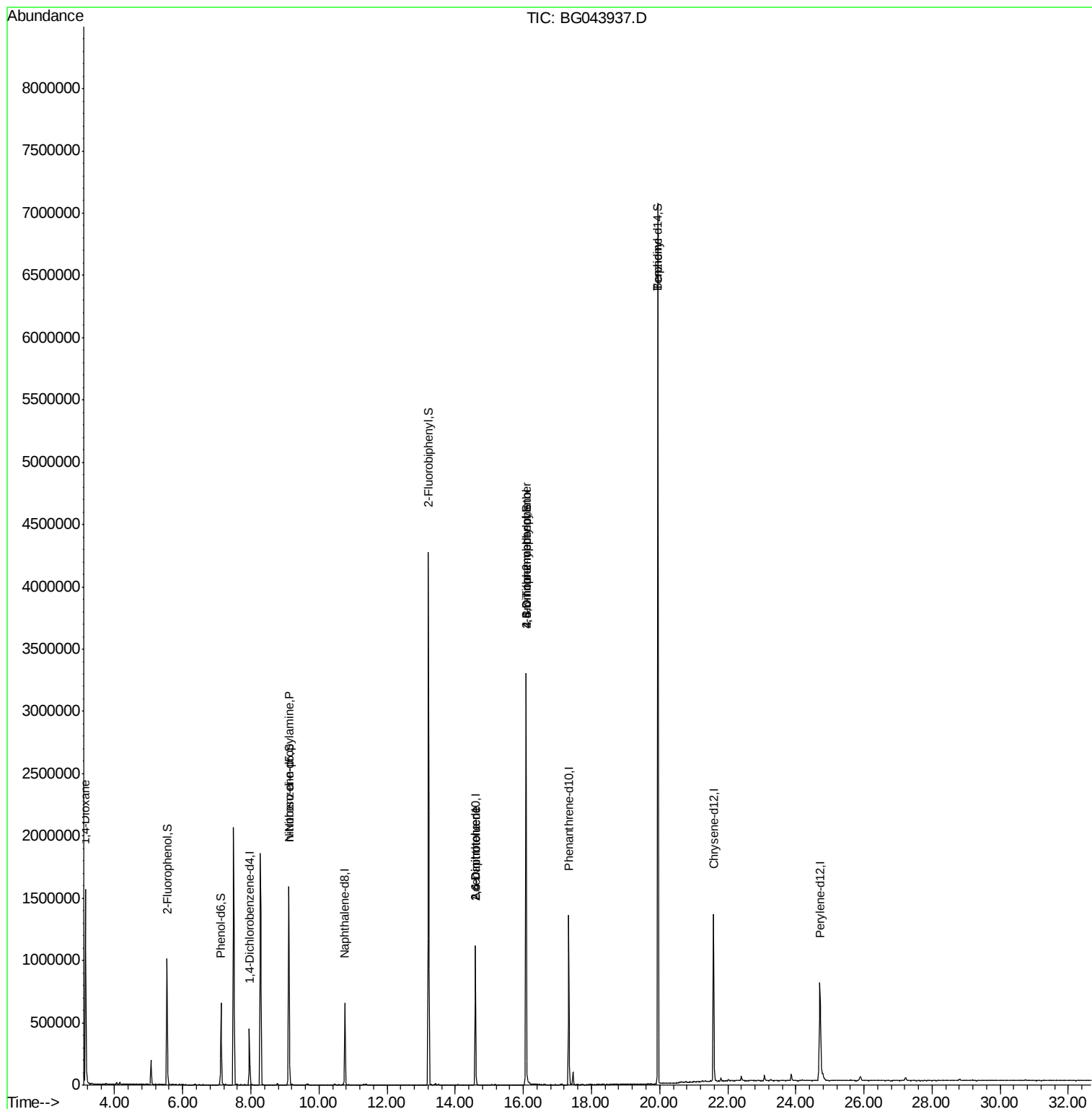
Quant Time: Jan 07 04:47:41 2020

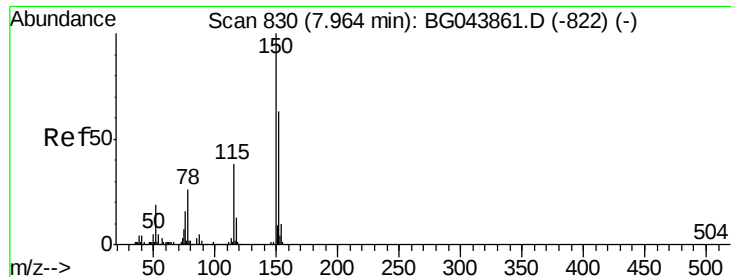
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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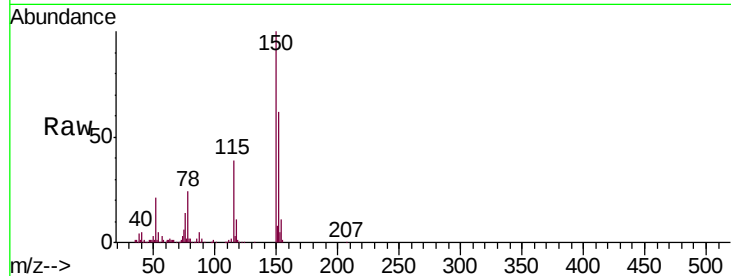


#1

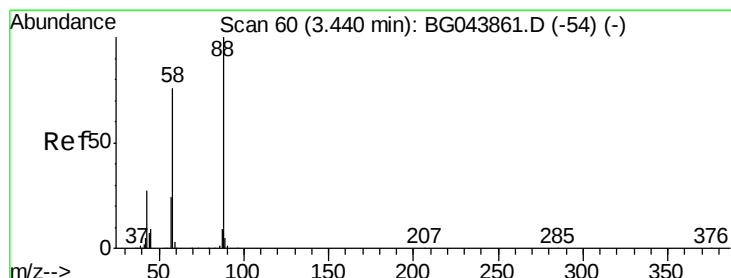
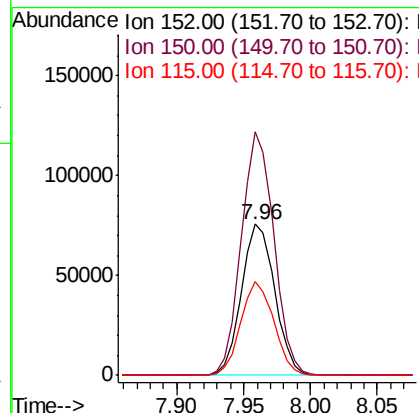
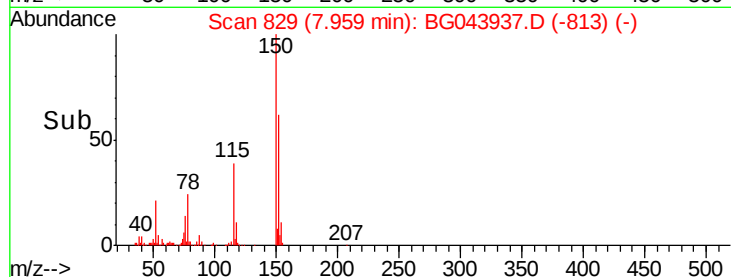
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB125814BL

Tgt Ion:152 Resp: 130086
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.4
115 62.2 47.8 71.8



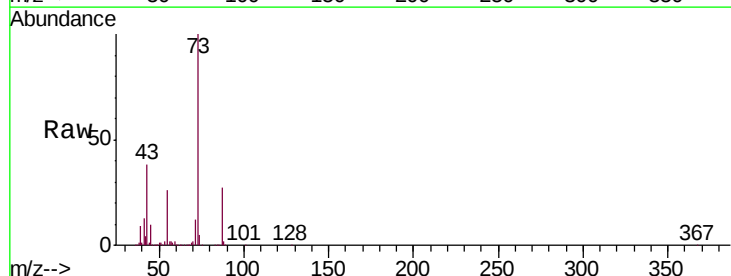
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



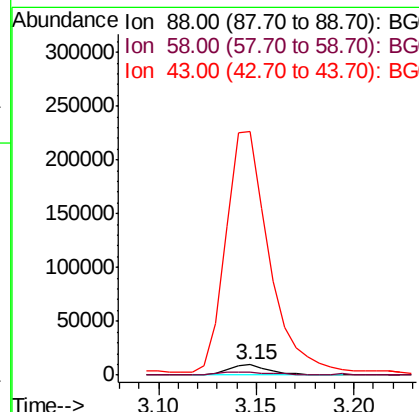
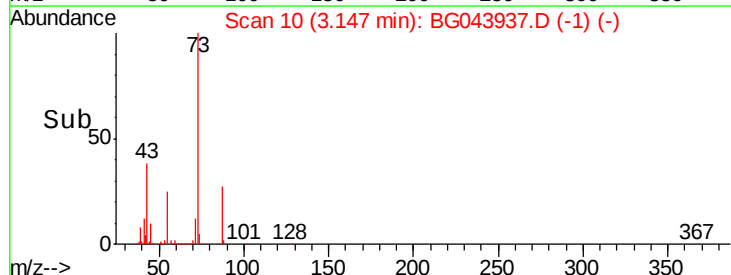
#2

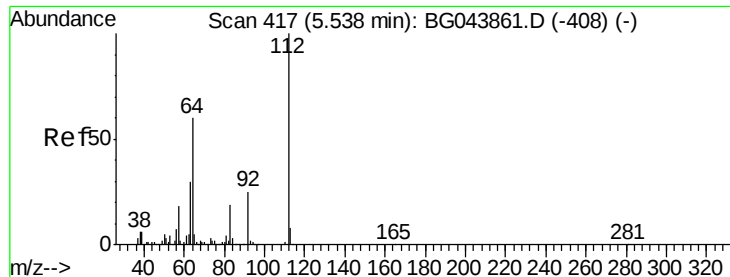
1,4-Dioxane
Concen: 4.775 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.29 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Tgt Ion: 88 Resp: 14750
Ion Ratio Lower Upper
88 100
58 29.1 59.8 89.8#
43 2372.9 22.9 34.3#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 67.183 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB125814BL

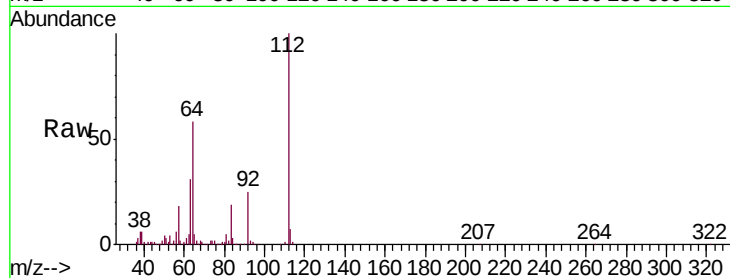
Tgt Ion: 112 Resp: 475979

Ion Ratio Lower Upper

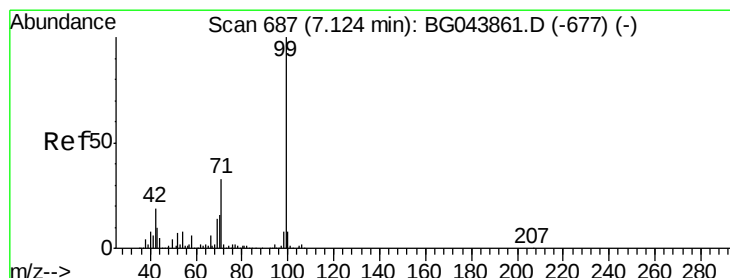
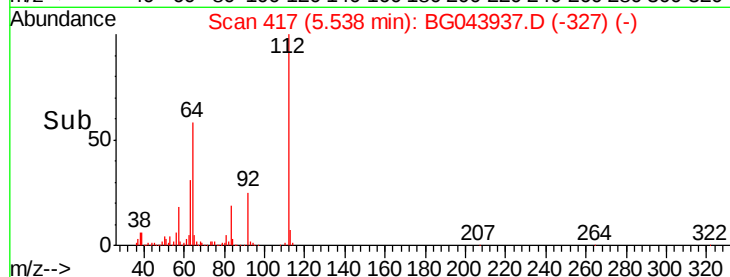
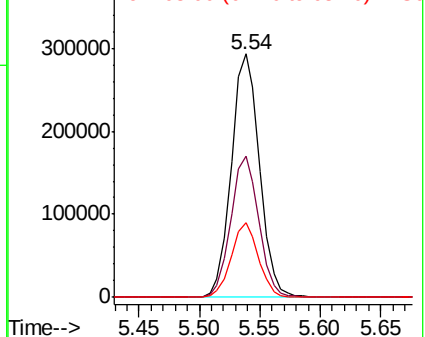
112 100

64 58.0 47.8 71.6

63 30.9 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 41.005 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

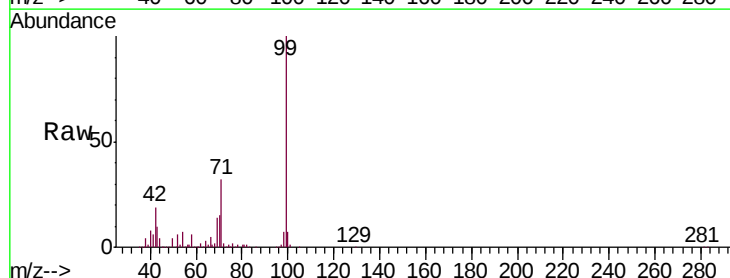
Tgt Ion: 99 Resp: 406082

Ion Ratio Lower Upper

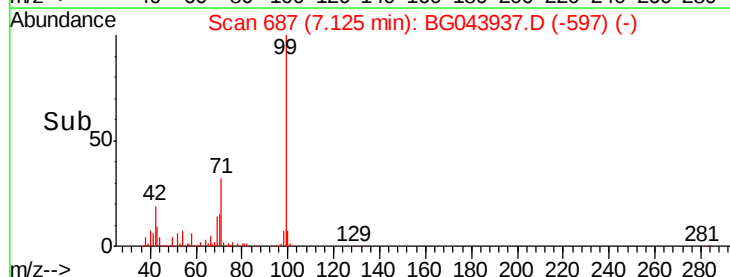
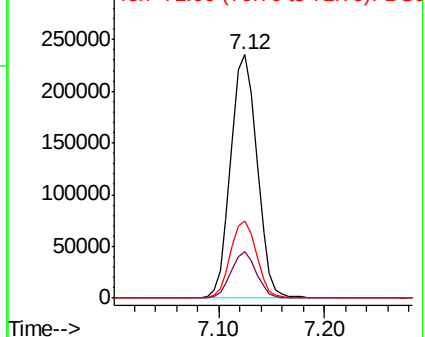
99 100

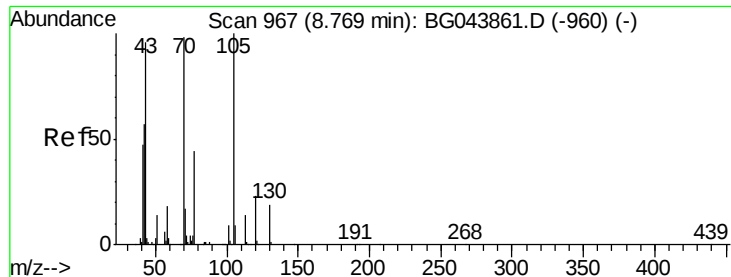
42 19.2 14.9 22.3

71 32.0 26.4 39.6



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

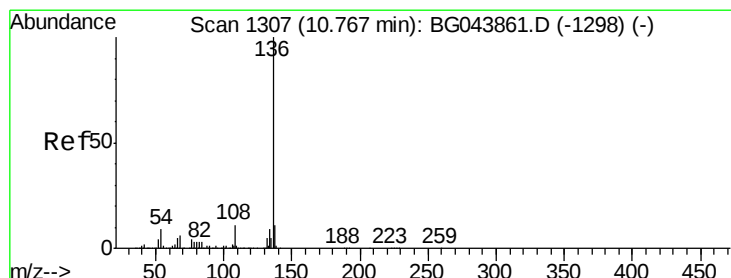
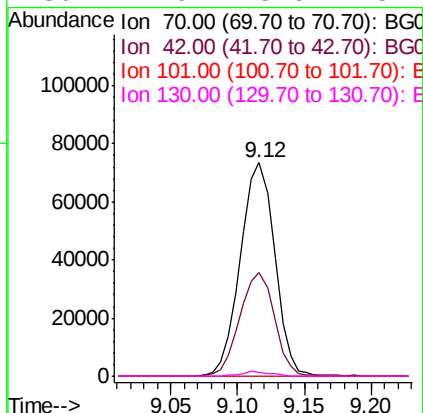
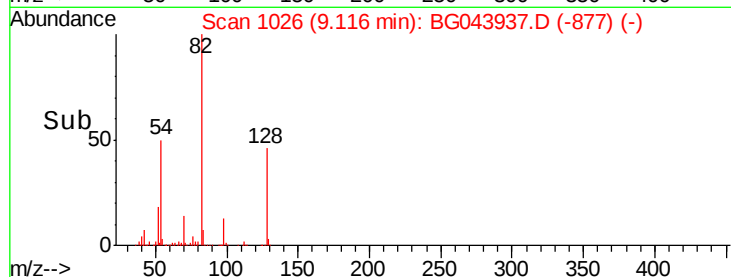
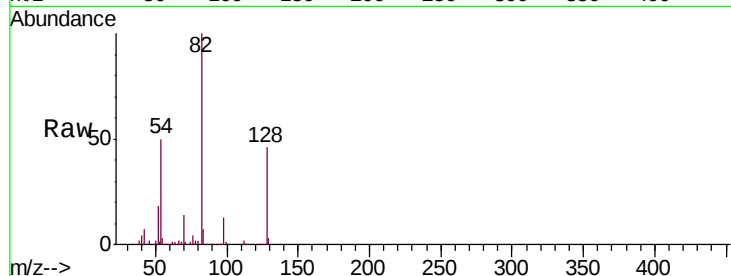




#19
n-Nitroso-di-n-propylamine
Concen: 17.819 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

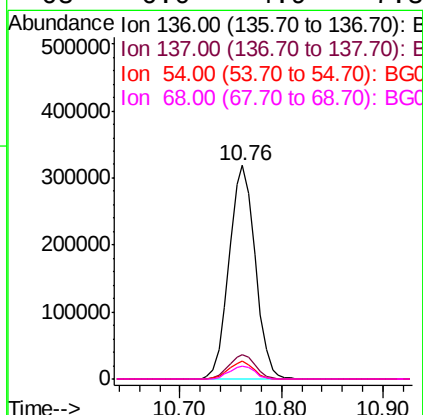
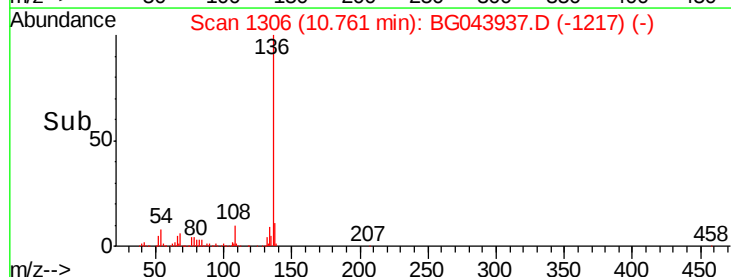
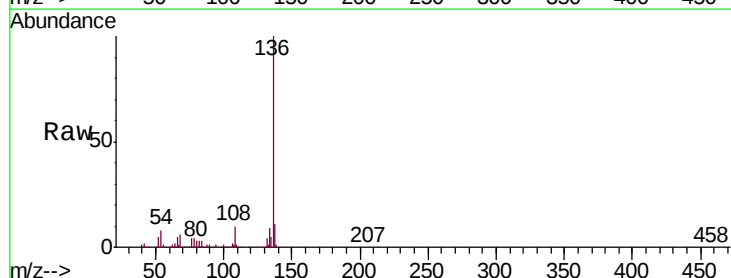
Instrument :
BNA_G
ClientSampled :
PB125814BL

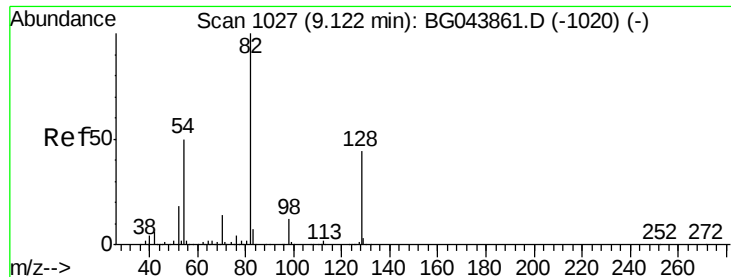
Tgt Ion: 70 Resp: 131415
Ion Ratio Lower Upper
70 100
42 48.5 47.0 70.4
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Tgt Ion: 136 Resp: 567107
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.3 7.0 10.4
68 6.0 4.9 7.3

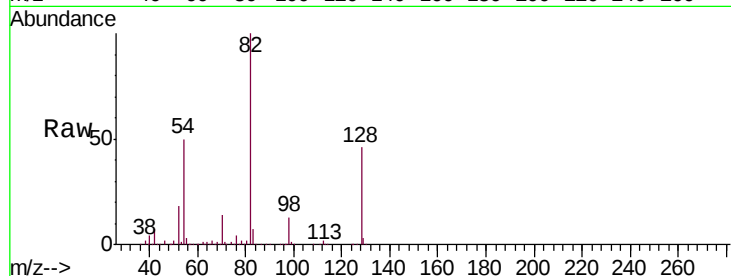




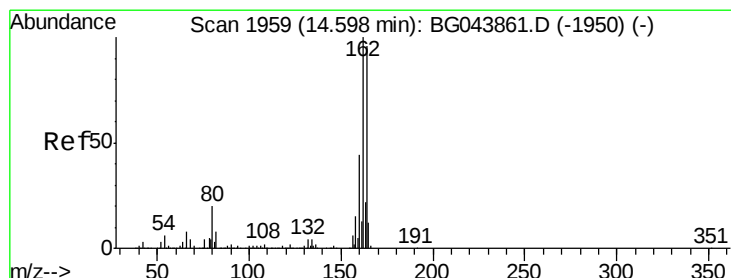
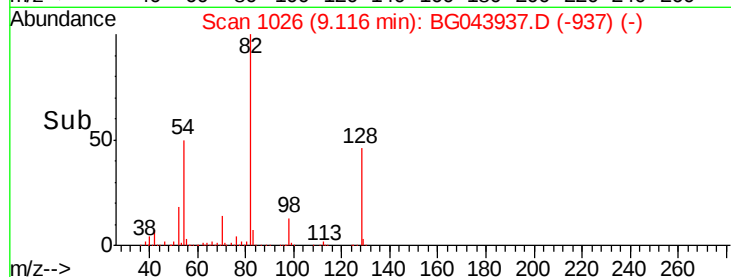
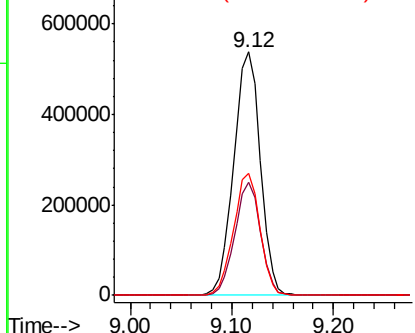
#23
Nitrobenzene-d5
Concen: 92.496 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB125814BL

Tgt Ion: 82 Resp: 980545
Ion Ratio Lower Upper
82 100
128 46.3 35.1 52.7
54 49.9 40.1 60.1

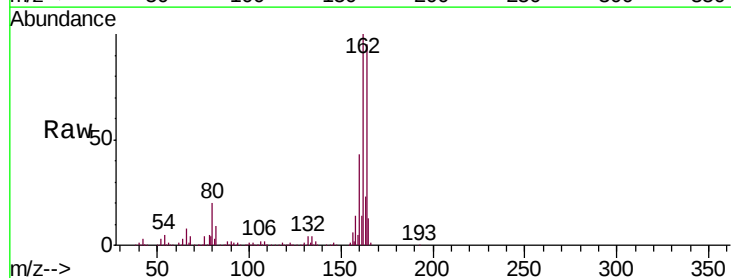


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

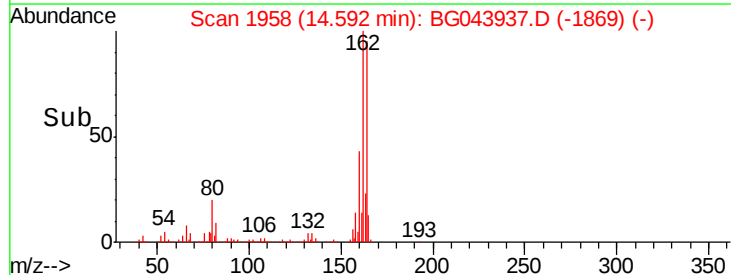
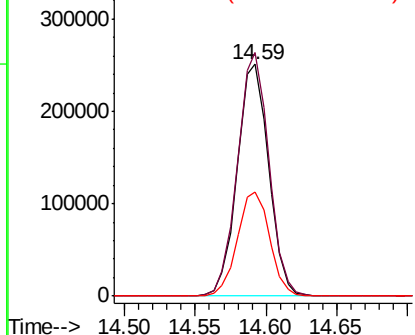


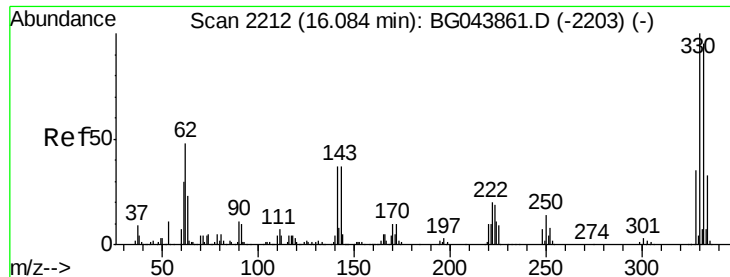
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Tgt Ion: 164 Resp: 391923
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.4
160 45.0 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

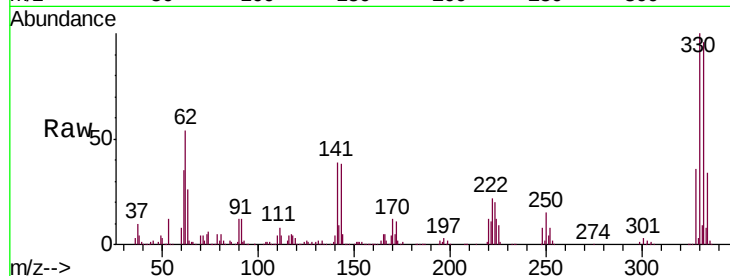




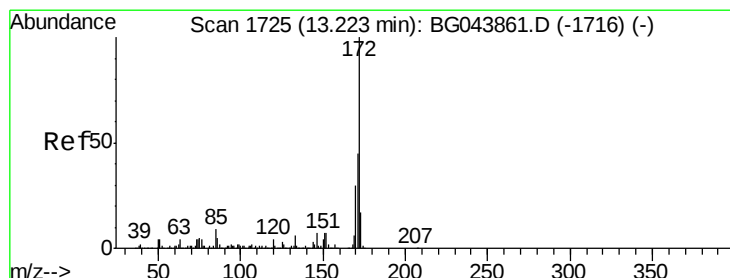
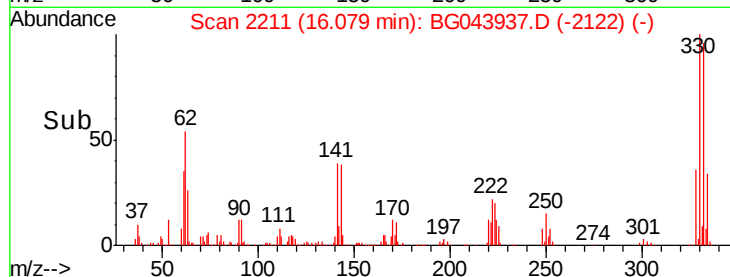
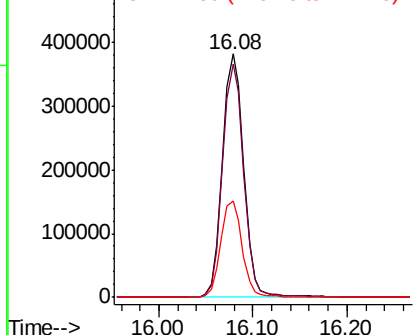
#42
 2,4,6-Tribromophenol
 Concen: 147.790 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.01 min
 Lab File: BG043937.D
 Acq: 6 Jan 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :
 PB125814BL

Tgt Ion:330 Resp: 606144
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.2 115.8
 141 40.3 33.1 49.7

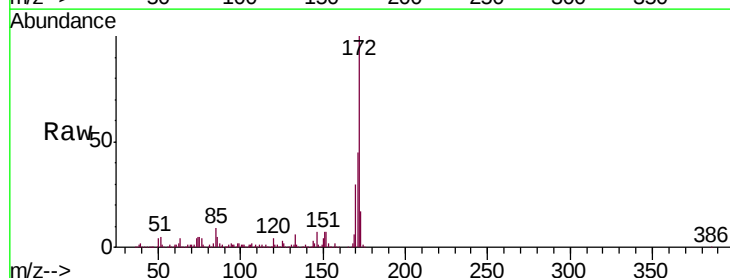


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

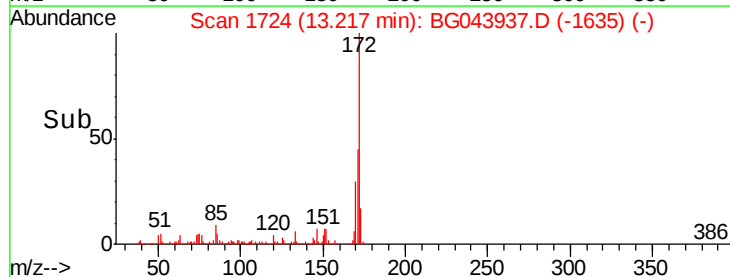
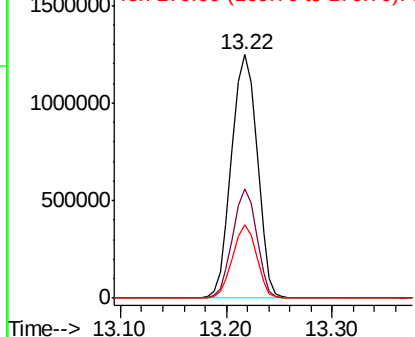


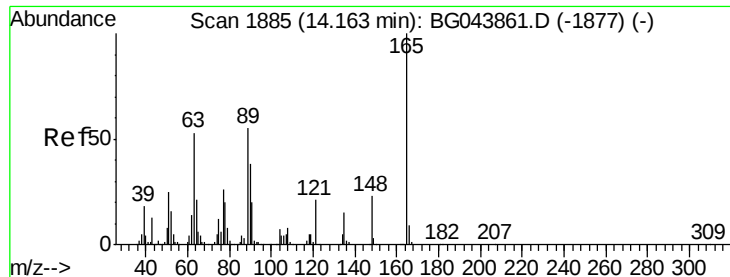
#45
 2-Fluorobiphenyl
 Concen: 97.240 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043937.D
 Acq: 6 Jan 2020 18:55

Tgt Ion:172 Resp: 2103510
 Ion Ratio Lower Upper
 172 100
 171 44.7 35.8 53.8
 170 30.3 24.2 36.4



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: 8.278 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.43 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB125814BL

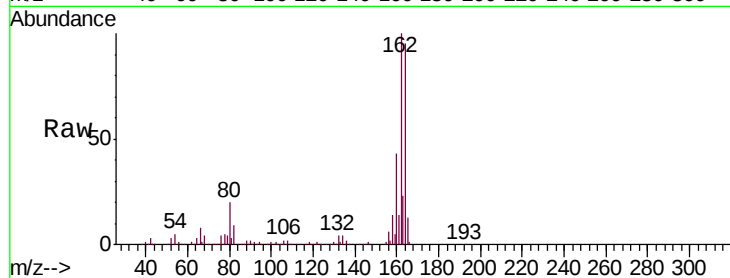
Tgt Ion:165 Resp: 52067

Ion Ratio Lower Upper

165 100

63 1.1 43.1 64.7#

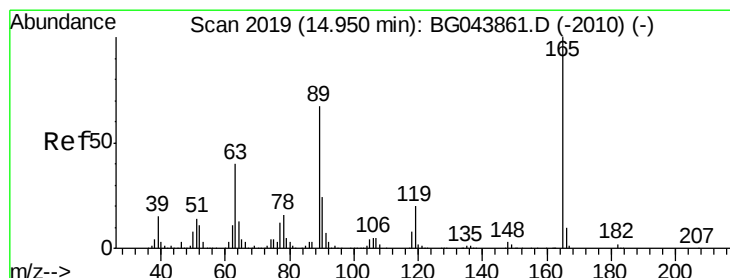
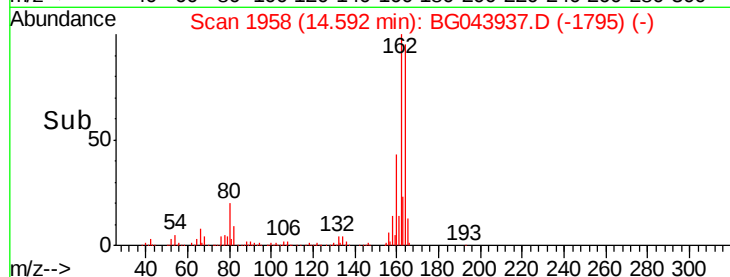
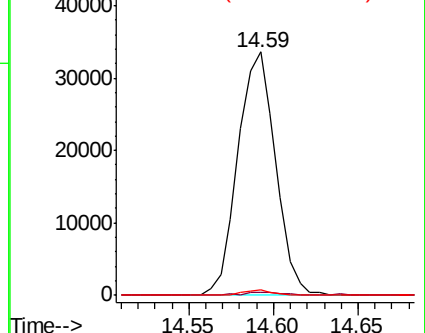
89 2.2 43.8 65.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.084 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.36 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

Tgt Ion:165 Resp: 52067

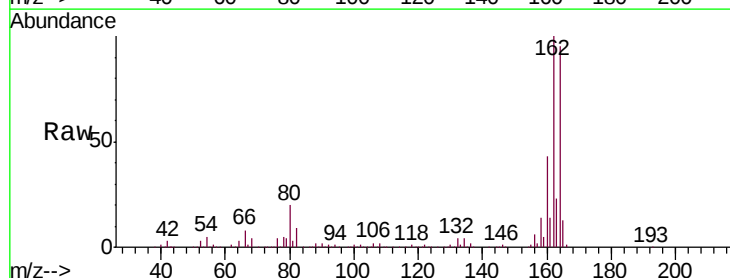
Ion Ratio Lower Upper

165 100

63 1.1 31.9 47.9#

89 2.2 53.8 80.6#

182 0.0 2.0 3.0#

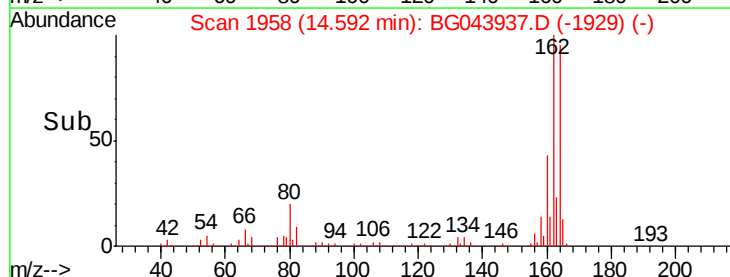
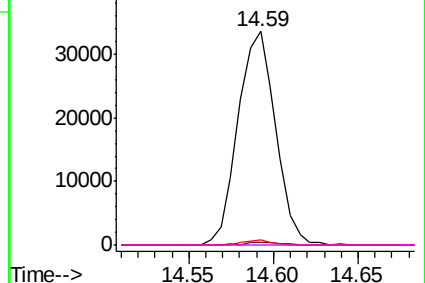


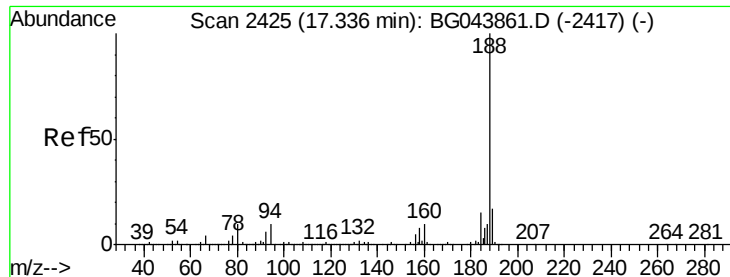
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.33 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB125814BL

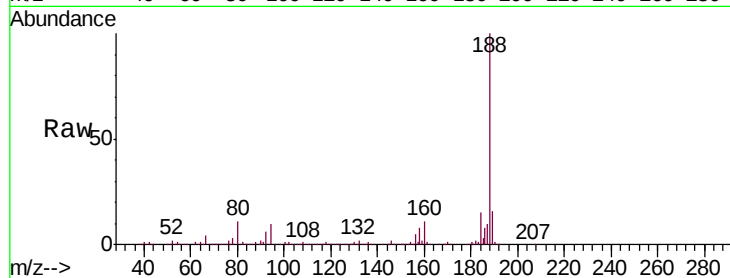
Tgt Ion:188 Resp: 848099

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

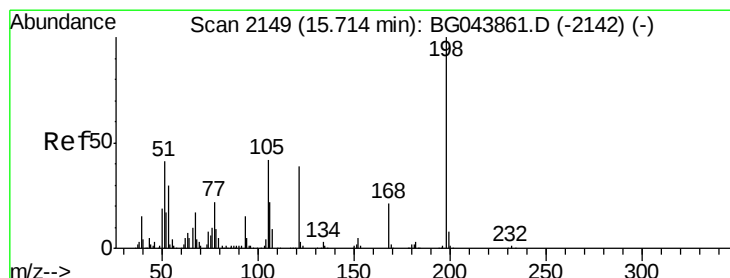
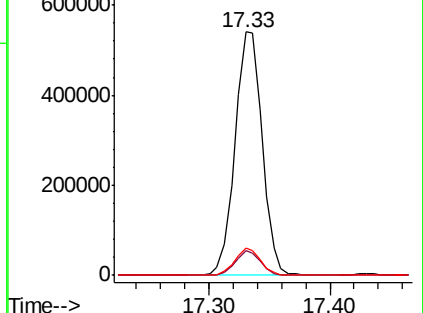
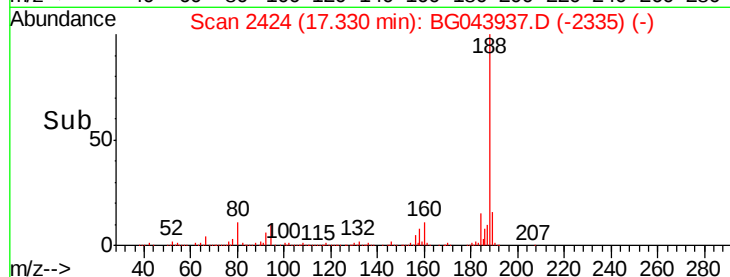
80 11.2 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.830 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

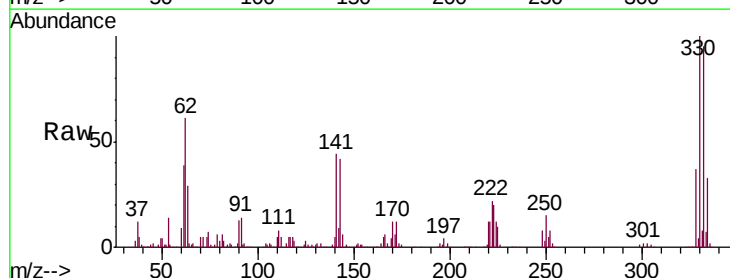
Tgt Ion:198 Resp: 2118

Ion Ratio Lower Upper

198 100

51 147.1 22.5 62.5#

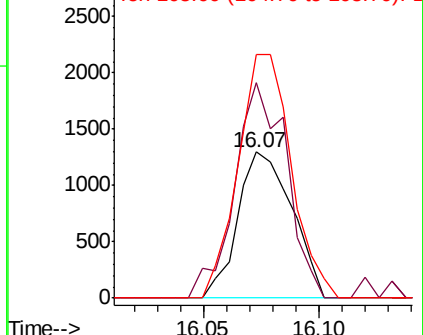
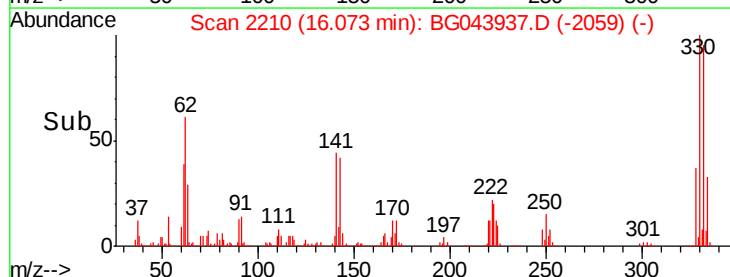
105 166.4 22.3 62.3#

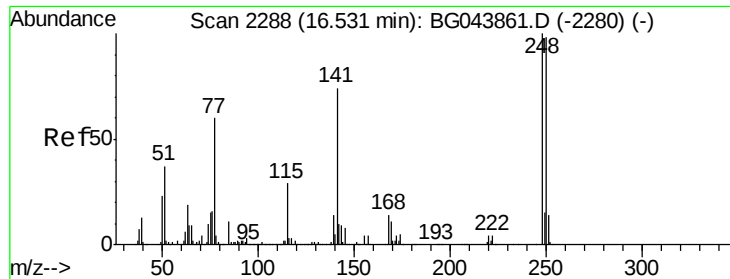


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

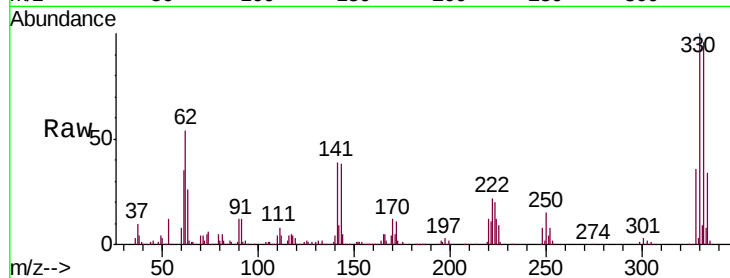




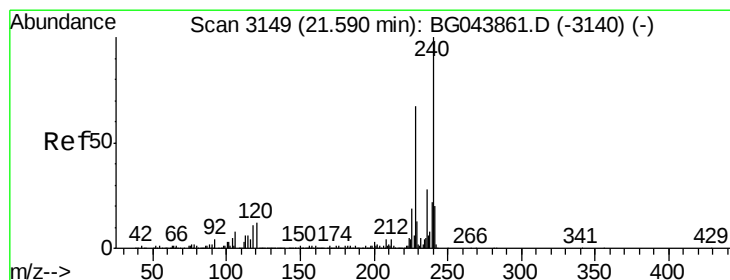
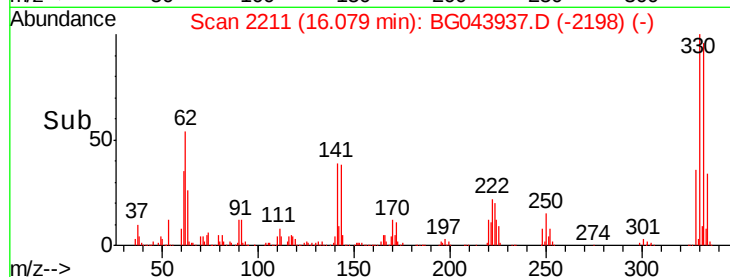
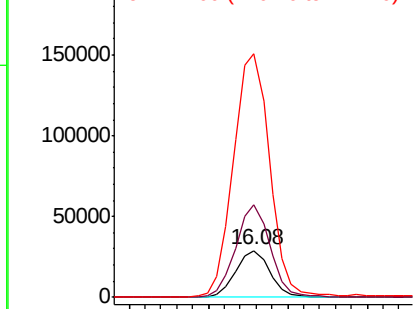
#67
4-Bromophenyl-phenylether
Concen: 4.598 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.45 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB125814BL

Tgt Ion:248 Resp: 43862
Ion Ratio Lower Upper
248 100
250 196.3 78.2 117.2#
141 518.7 59.3 88.9#

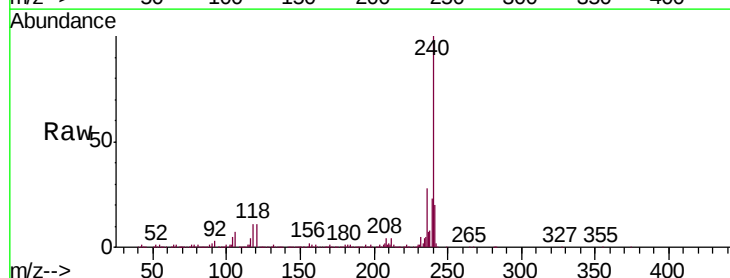


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

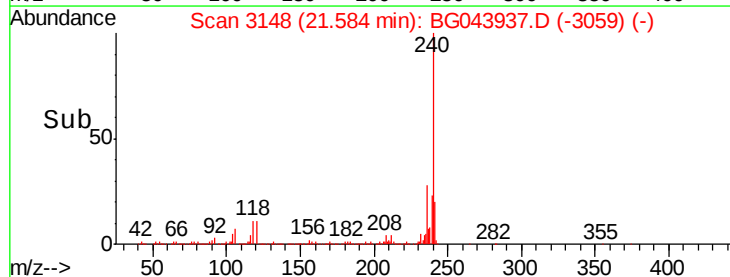
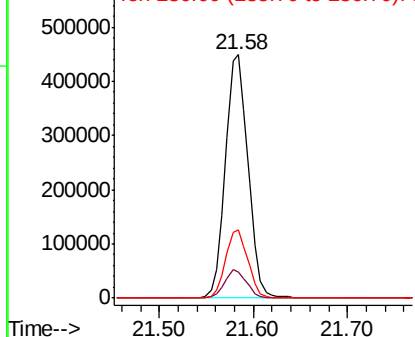


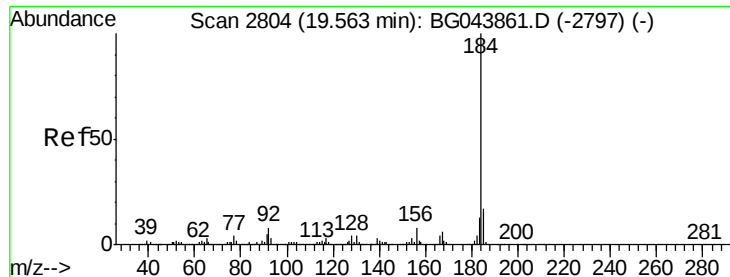
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Tgt Ion:240 Resp: 747593
Ion Ratio Lower Upper
240 100
120 10.6 9.6 14.4
236 28.1 22.2 33.2



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





#77

Benzidine

Concen: 3.402 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

Instrument :

BNA_G

ClientSampleId :

PB125814BL

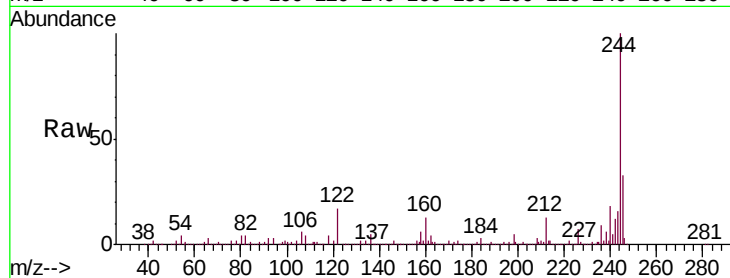
Tgt Ion:184 Resp: 63924

Ion Ratio Lower Upper

184 100

185 15.8 13.4 20.0

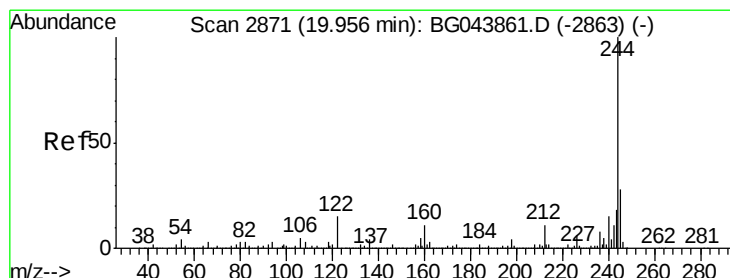
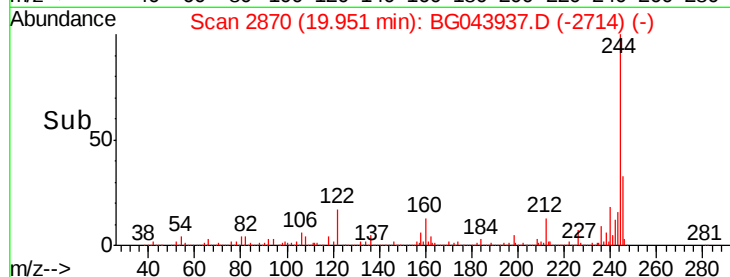
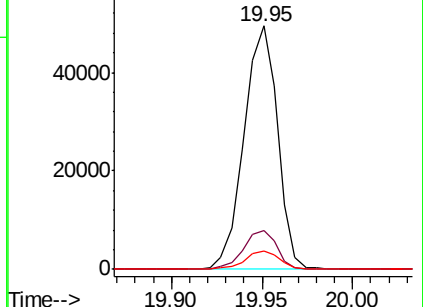
183 7.6 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 92.424 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043937.D

Acq: 6 Jan 2020 18:55

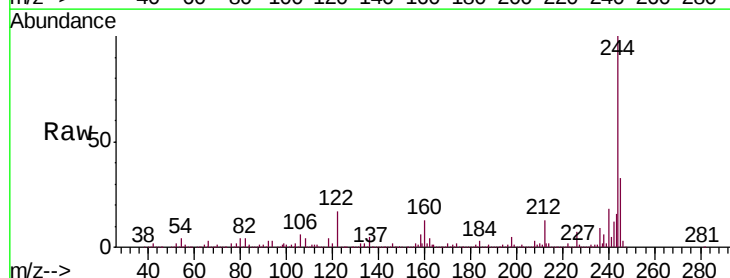
Tgt Ion:244 Resp: 2801549

Ion Ratio Lower Upper

244 100

212 13.4 8.6 13.0#

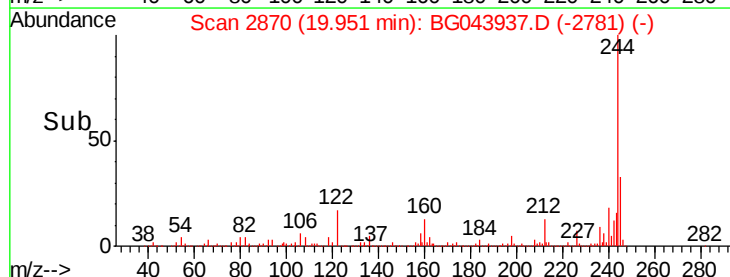
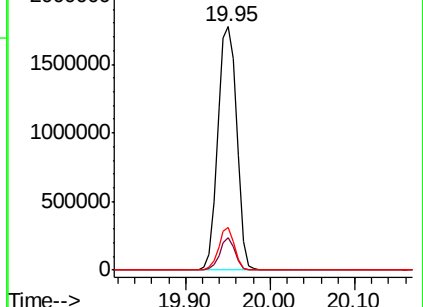
122 17.3 11.9 17.9

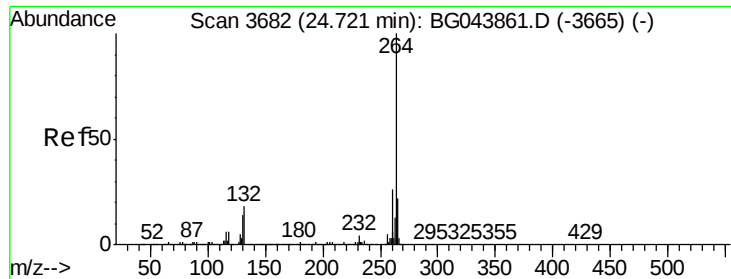


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043937.D
Acq: 6 Jan 2020 18:55

Instrument :
BNA_G
ClientSampleId :
PB125814BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.4	30.6
265	21.5	17.4	26.2

