

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040831.D
 Acq On : 10 May 2019 00:50
 Operator : HP/JU
 Sample : K2762-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0206-01

Quant Time: May 10 06:24:39 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

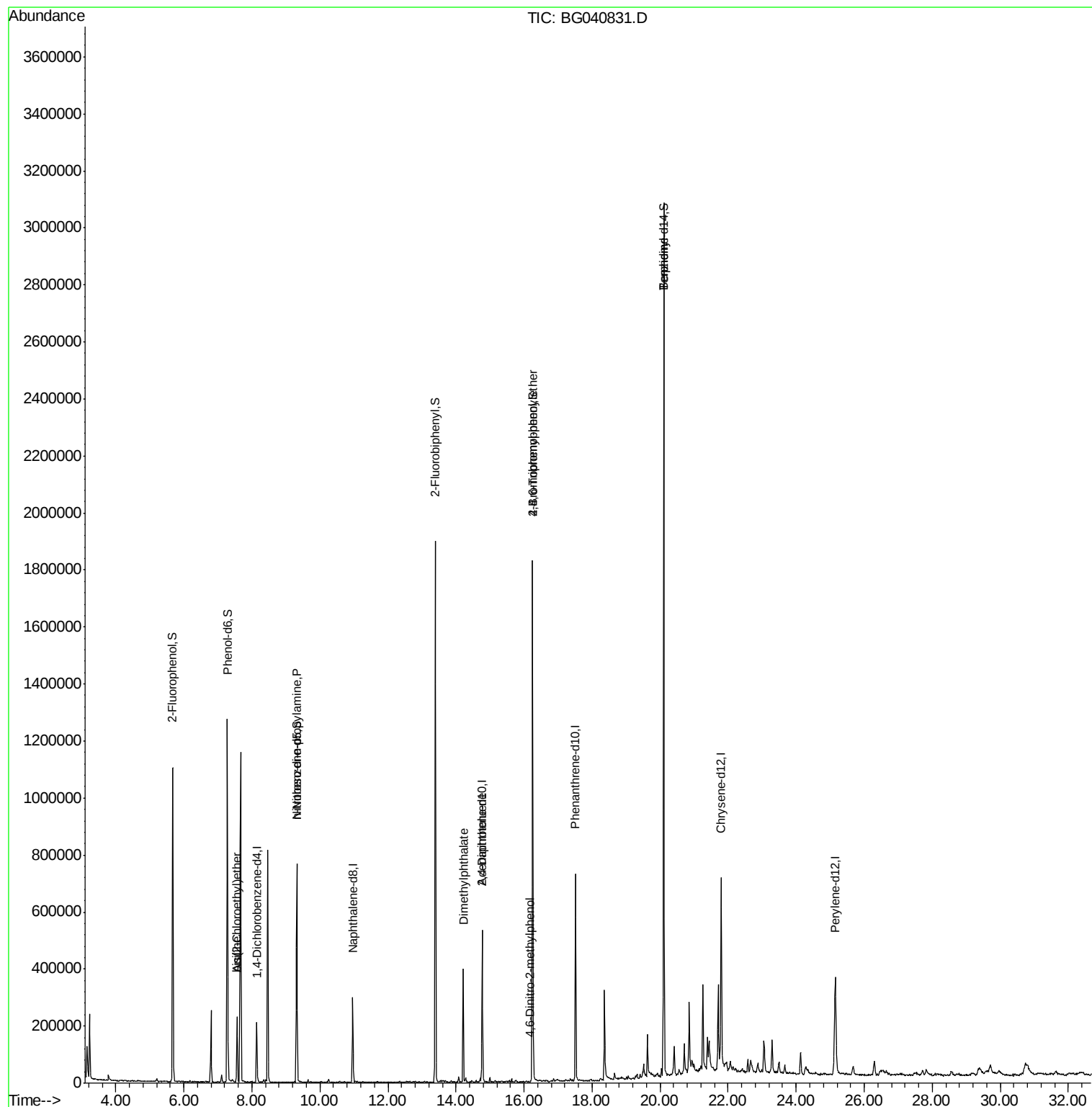
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	53284	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	226815	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	176161	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	447944	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	415912	20.00	ng	-0.03
87) Perylene-d12	25.15	264	437933	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	410608	135.84	ng	0.00
7) Phenol-d6	7.28	99	643027	138.16	ng	-0.02
23) Nitrobenzene-d5	9.32	82	462536	94.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	342891	141.61	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	933120	76.50	ng	-0.02
79) Terphenyl-d14	20.11	244	1494192	79.59	ng	-0.02
Target Compounds						
6) Aniline	7.56	93	78995	12.805	ng	# 47
9) Benzaldehyde	7.28	77	1980	Below Cal		# 15
11) bis(2-Chloroethyl)ether	7.56	93	78995	21.056	ng	# 19
19) n-Nitroso-di-n-propylamine	9.32	70	64983	15.511	ng	# 74
50) Dimethylphthalate	14.21	163	246337	16.713	ng	# 99
57) 2,4-Dinitrotoluene	14.77	165	24018	6.145	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.17	198	124	7.149	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	25764	4.617	ng	# 1
77) Benzidine	20.11	184	26714	2.346	ng	# 96

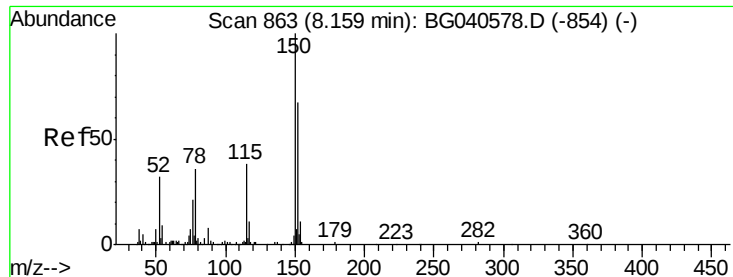
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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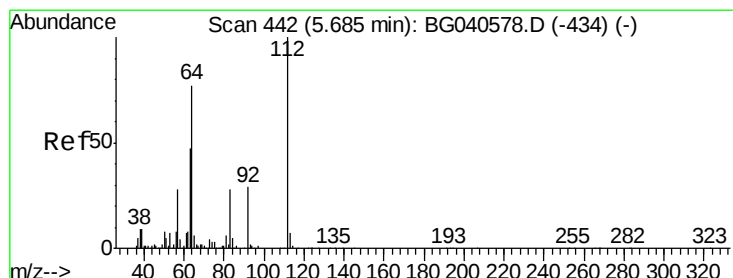
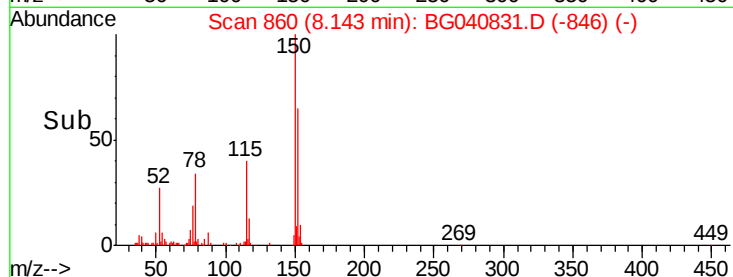
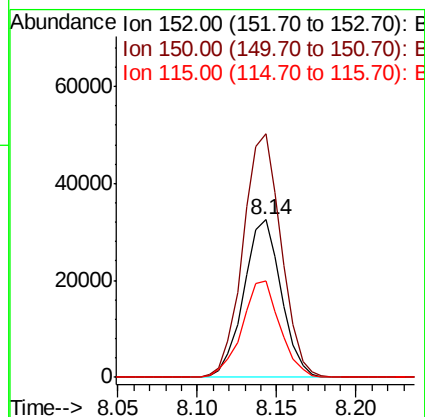
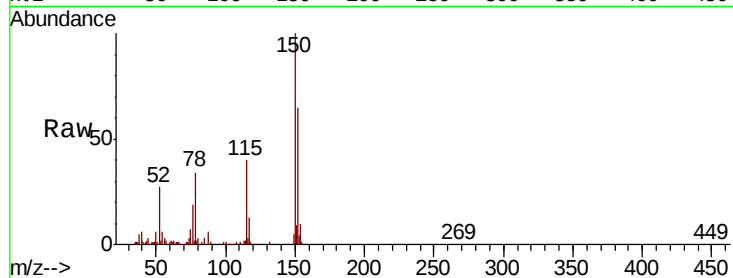


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

Instrument :
BNA_G
ClientSampleId :
P021-SS003-0206-01

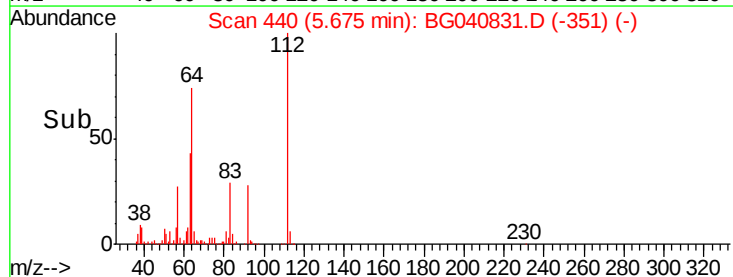
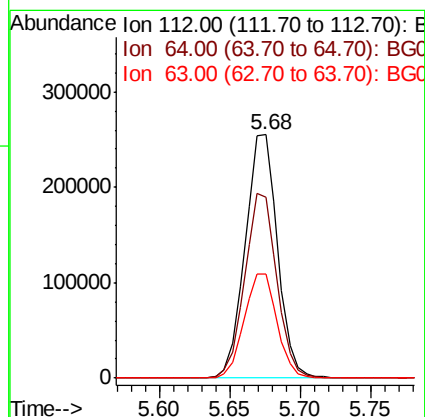
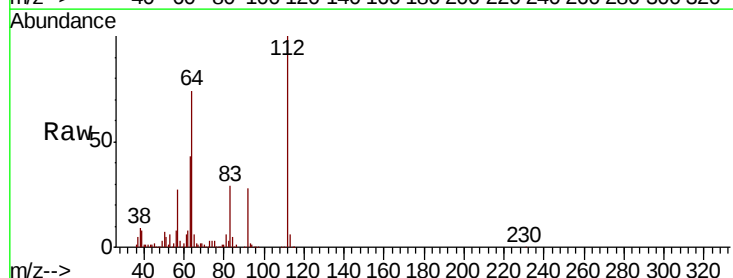
Tgt Ion:152 Resp: 53284
Ion Ratio Lower Upper
152 100
150 154.7 120.2 180.2
115 61.2 46.2 69.2

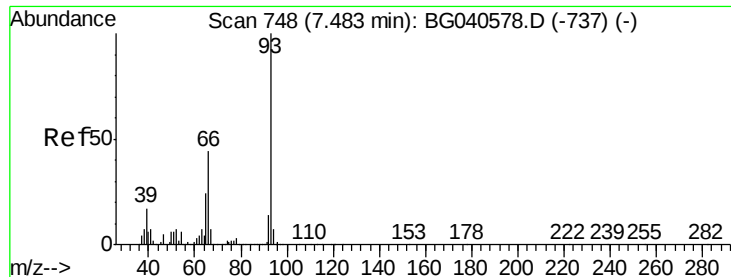


#5

2-Fluorophenol
Concen: 135.839 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

Tgt Ion:112 Resp: 410608
Ion Ratio Lower Upper
112 100
64 74.1 61.4 92.0
63 42.7 37.8 56.6





#6

Aniline

Concen: 12.805 ng

RT: 7.56 min Scan# 761

Delta R.T. 0.08 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0206-01

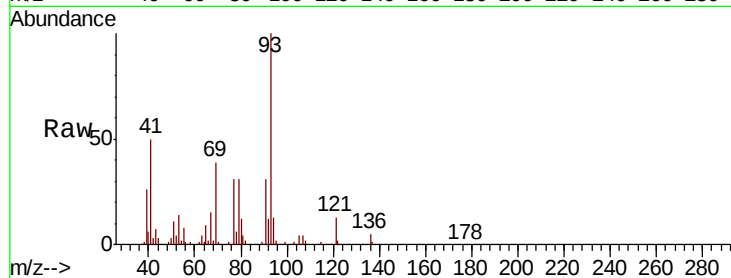
Tgt Ion: 93 Resp: 78995

Ion Ratio Lower Upper

93 100

66 2.0 35.5 53.3#

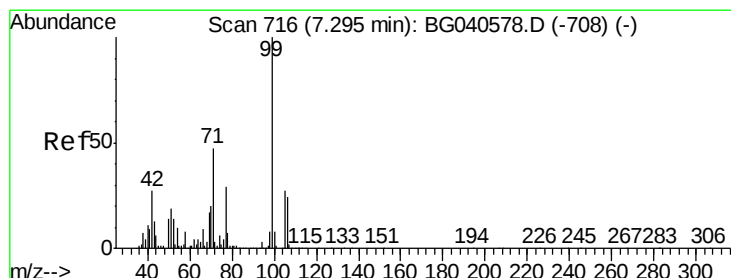
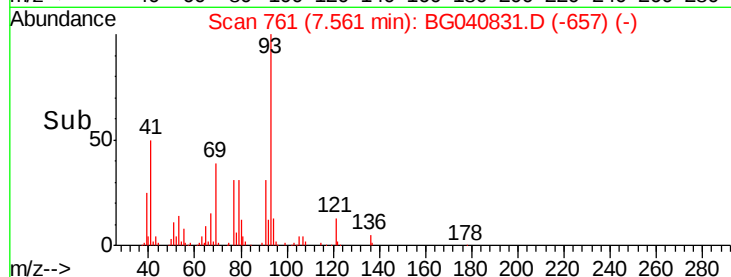
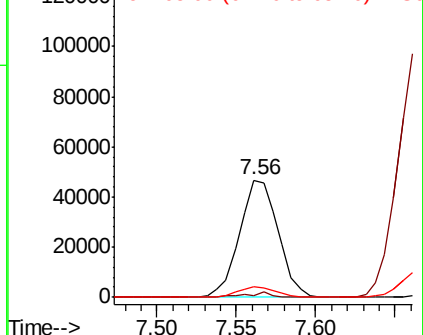
65 9.1 19.2 28.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 138.161 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

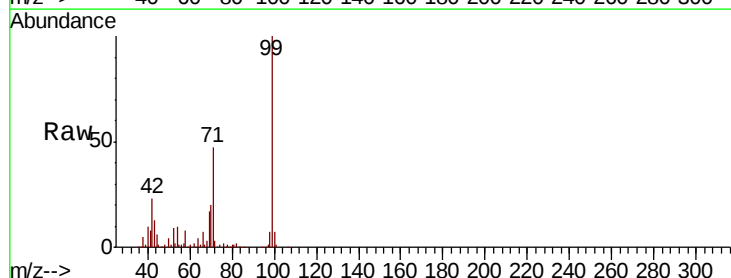
Tgt Ion: 99 Resp: 643027

Ion Ratio Lower Upper

99 100

42 23.4 21.8 32.8

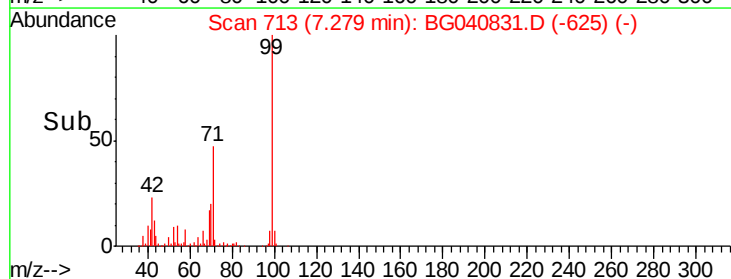
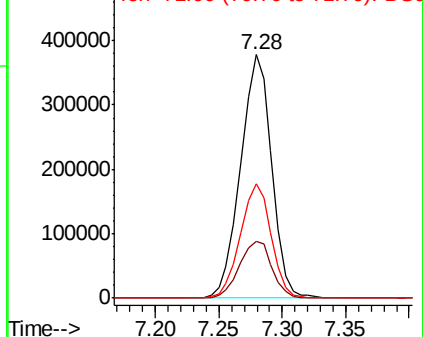
71 46.9 38.6 57.8

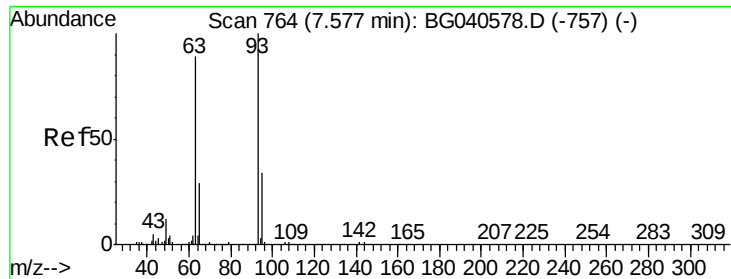


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

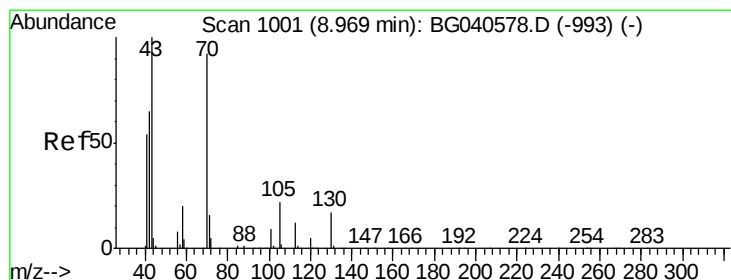
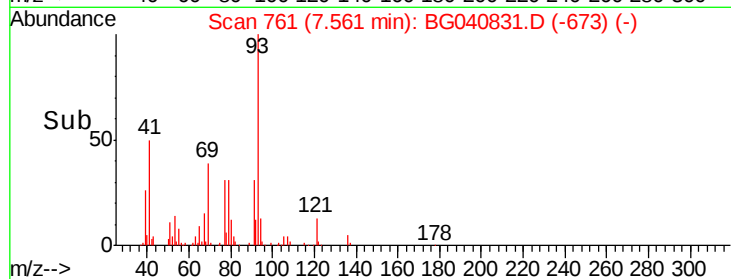
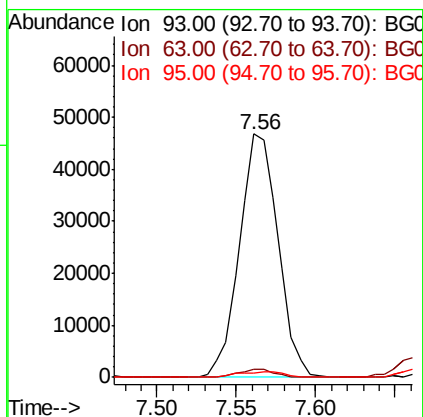
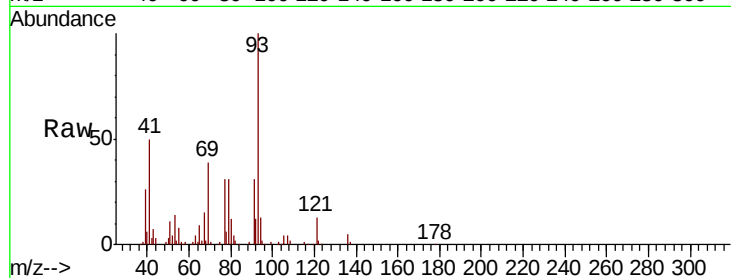




#11
bis(2-Chloroethyl)ether
Concen: 21.056 ng
RT: 7.56 min Scan# 761
Delta R.T. -0.02 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

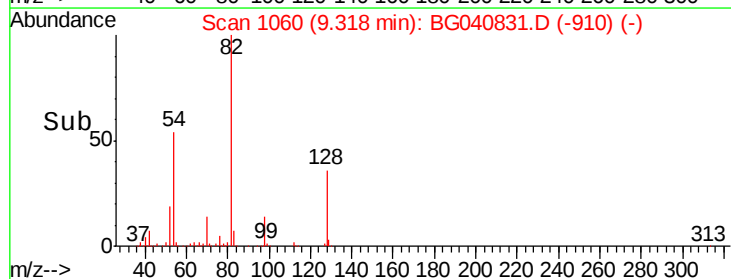
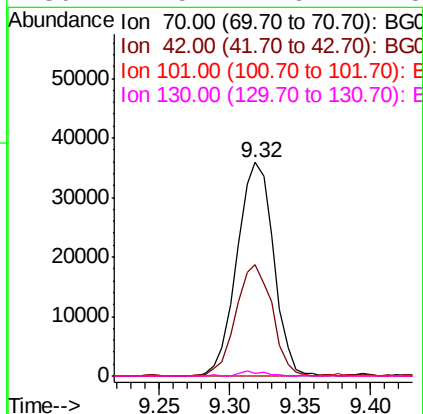
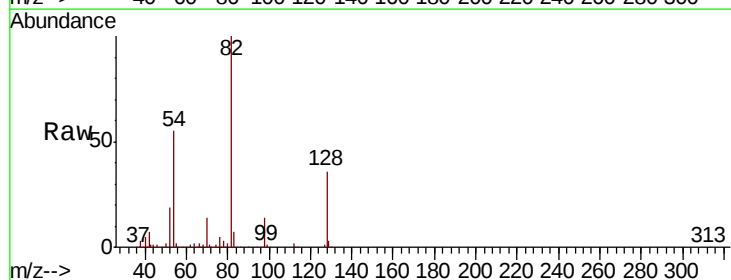
Instrument :
BNA_G
ClientSampleId :
P021-SS003-0206-01

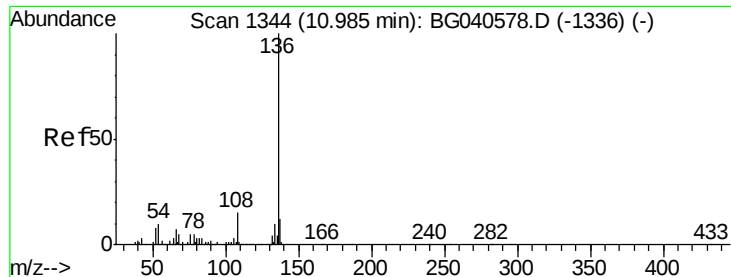
Tgt Ion: 93 Resp: 78995
Ion Ratio Lower Upper
93 100
63 3.5 68.2 108.2#
95 2.0 14.3 54.3#



#19
n-Nitroso-di-n-propylamine
Concen: 15.511 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

Tgt Ion: 70 Resp: 64983
Ion Ratio Lower Upper
70 100
42 52.0 57.1 85.7#
101 0.0 7.8 11.8#
130 1.5 14.6 21.8#

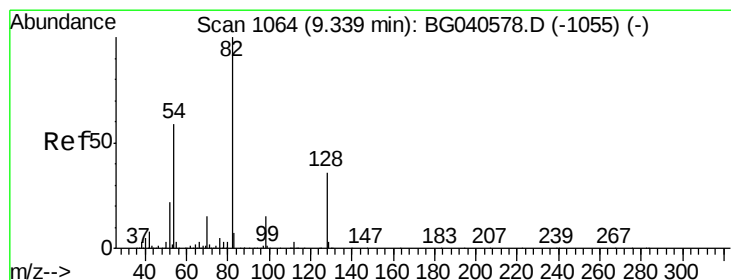
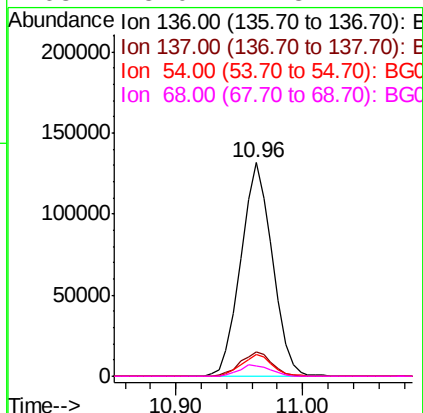
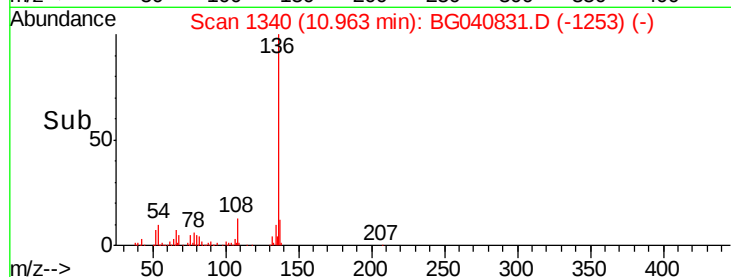
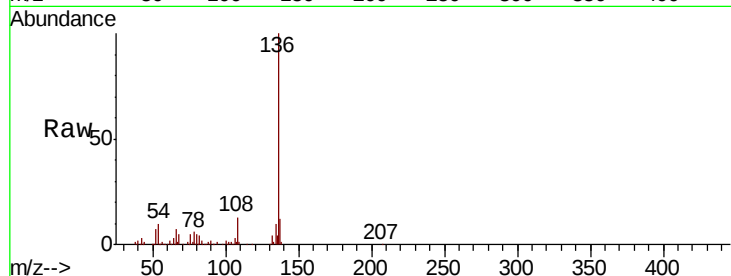




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

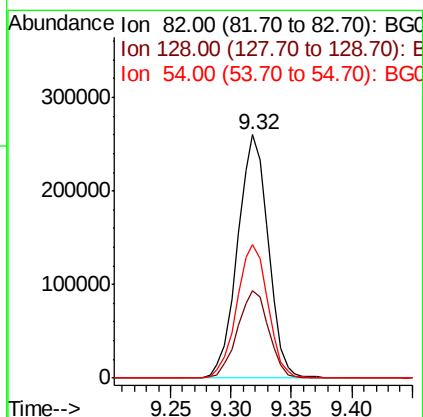
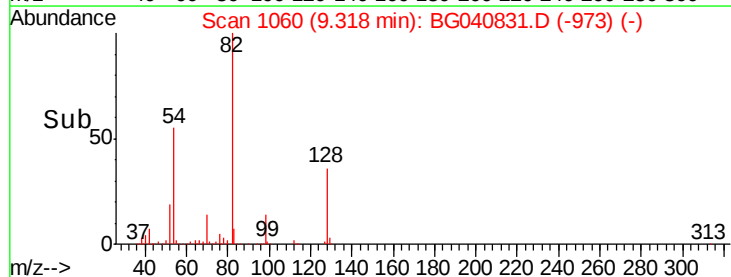
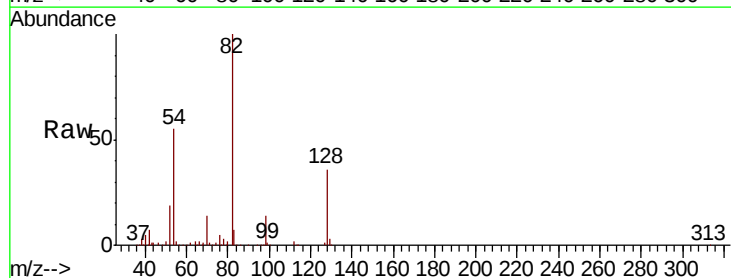
Instrument :
BNA_G
ClientSampleId :
P021-SS003-0206-01

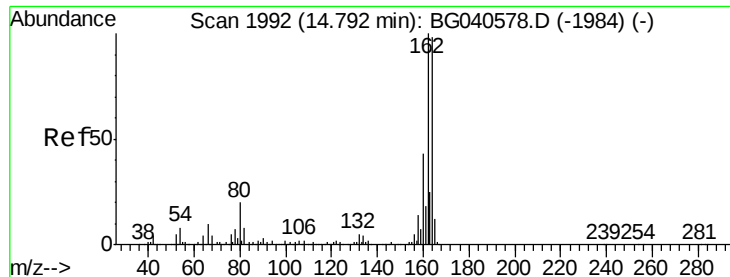
Tgt Ion:	136	Resp:	226815
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	10.3	8.6	12.8
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 94.227 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

Tgt Ion:	82	Resp:	462536
Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.9	43.3
54	54.9	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0206-01

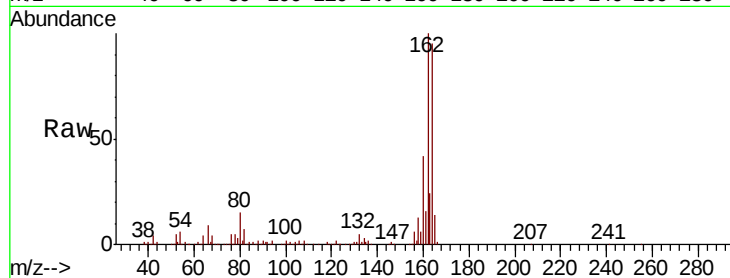
Tgt Ion:164 Resp: 176161

Ion Ratio Lower Upper

164 100

162 105.3 81.9 122.9

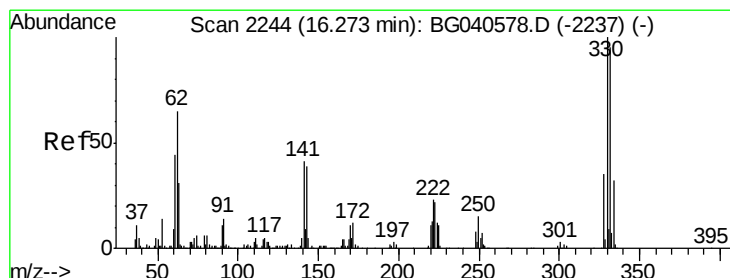
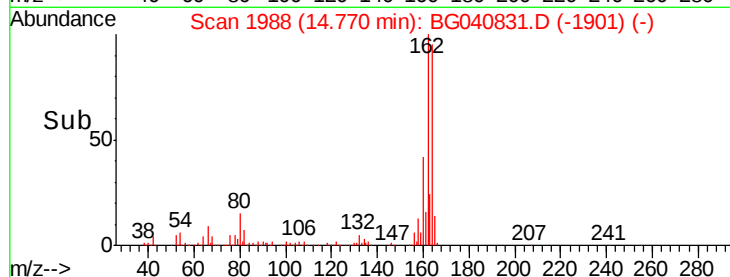
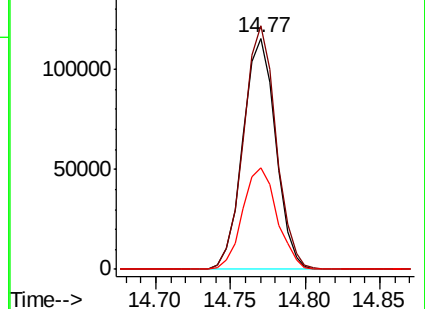
160 44.1 35.4 53.2



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: 141.610 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

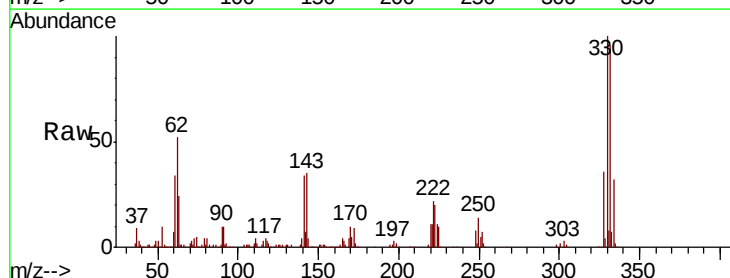
Tgt Ion:330 Resp: 342891

Ion Ratio Lower Upper

330 100

332 95.3 75.9 113.9

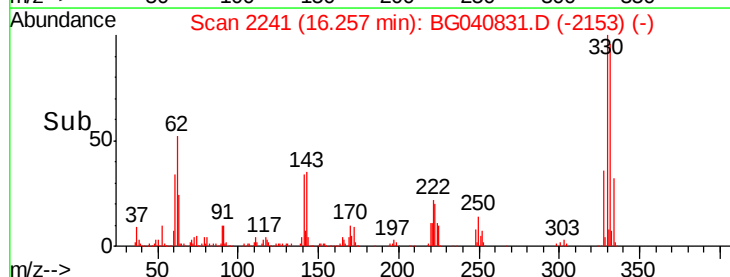
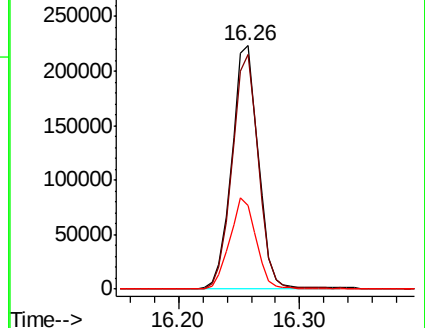
141 37.0 32.4 48.6

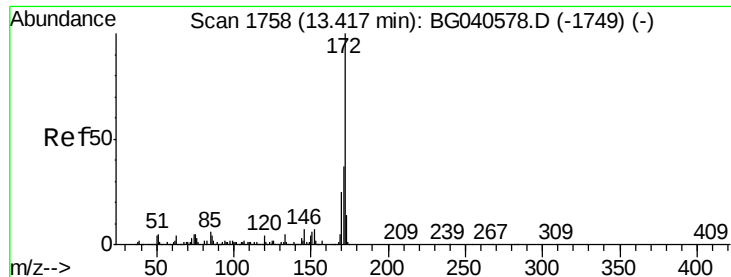


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

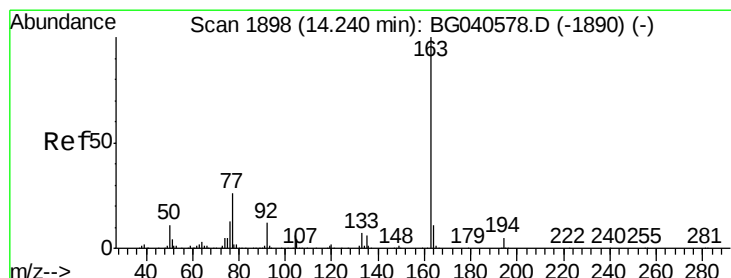
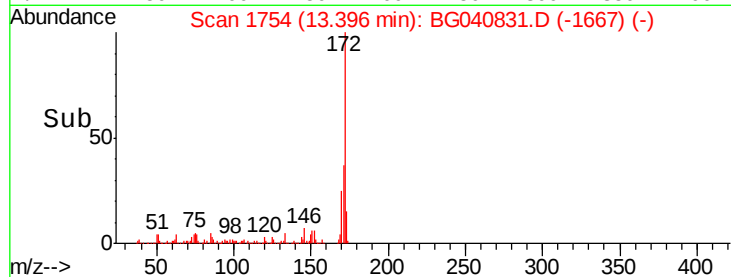
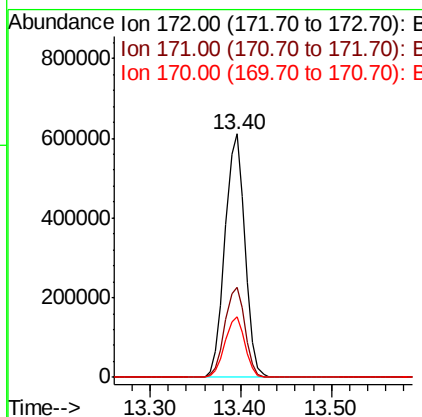
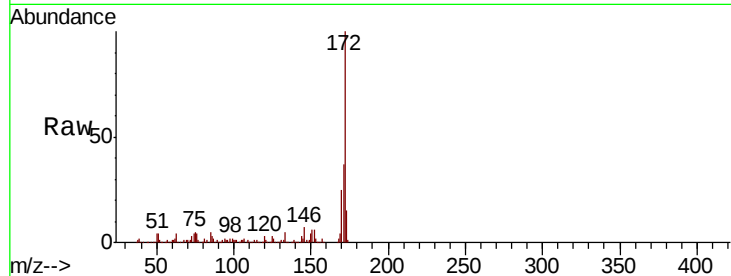




#45
 2-Fluorobiphenyl
 Concen: 76.499 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040831.D
 Acq: 10 May 2019 00:50

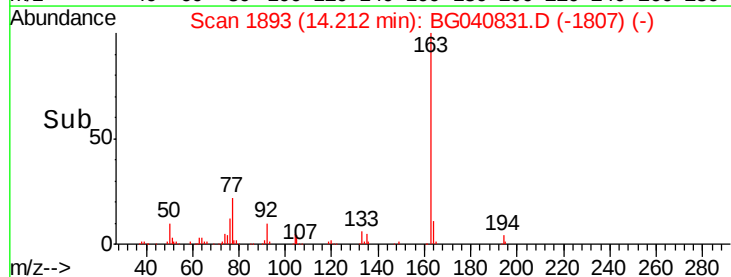
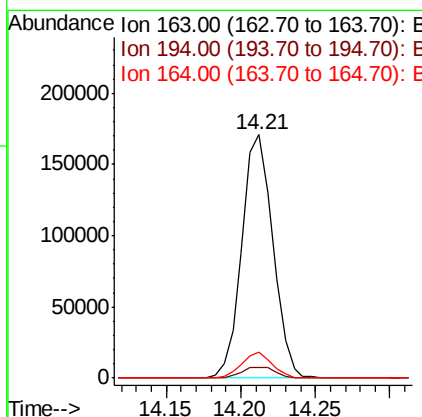
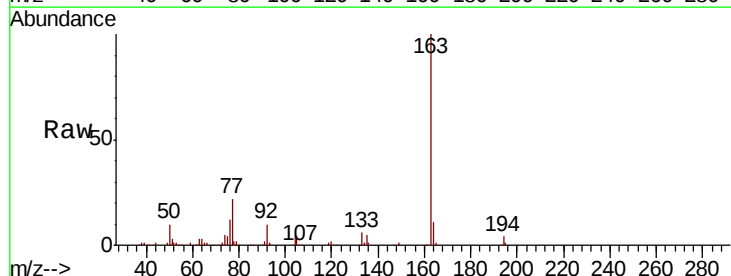
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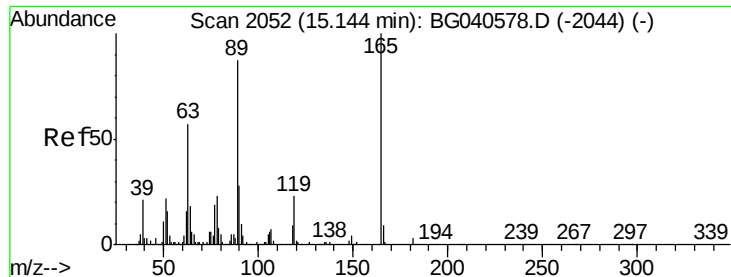
Tgt Ion:	172	Resp:	933120
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.2
170	24.7	19.9	29.9



#50
 Dimethylphthalate
 Concen: 16.713 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040831.D
 Acq: 10 May 2019 00:50

Tgt Ion:	163	Resp:	246337
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.8	5.8
164	10.9	8.8	13.2





#57

2,4-Dinitrotoluene

Concen: 6.145 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.37 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0206-01

Tgt Ion:165 Resp: 24018

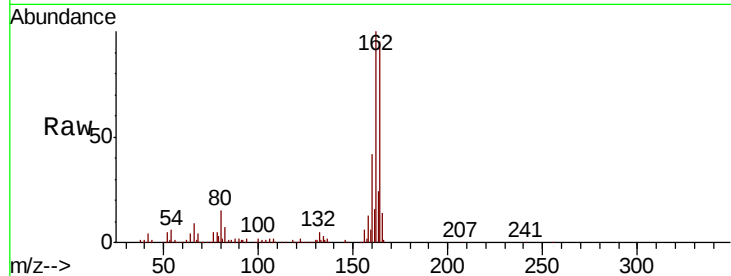
Ion Ratio Lower Upper

165 100

63 0.9 45.8 68.8#

89 2.2 69.4 104.2#

182 0.0 2.2 3.4#

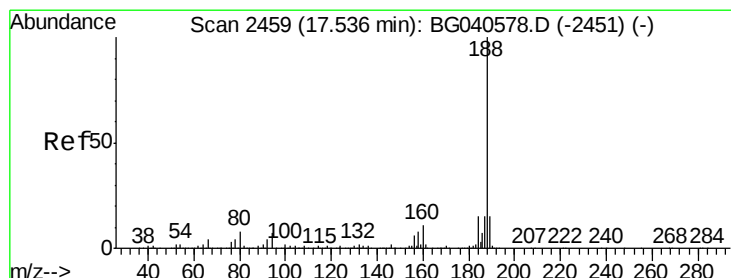
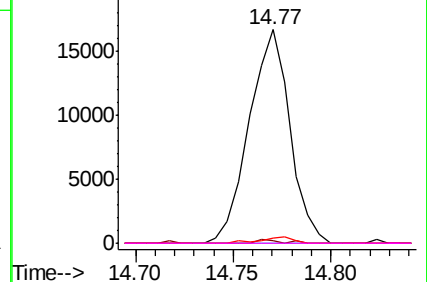
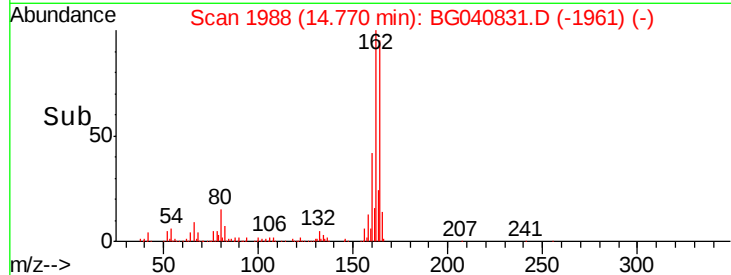


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

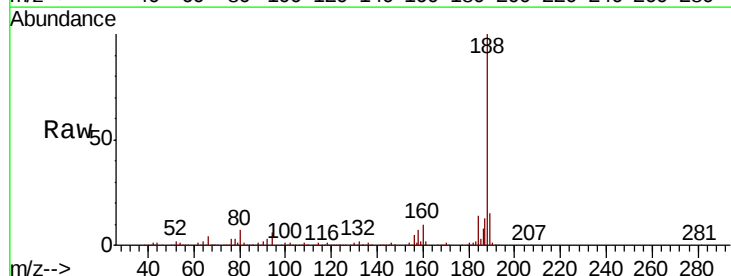
Tgt Ion:188 Resp: 447944

Ion Ratio Lower Upper

188 100

94 6.2 5.6 8.4

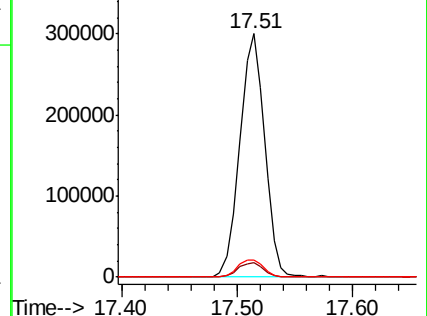
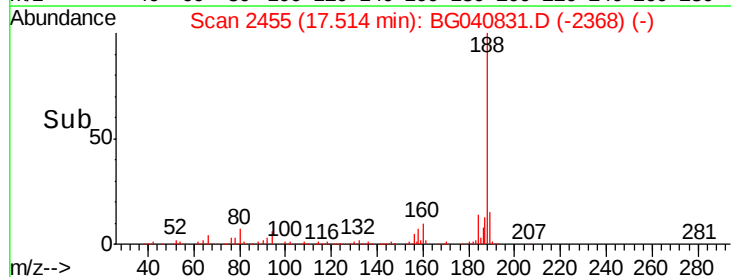
80 6.9 6.4 9.6

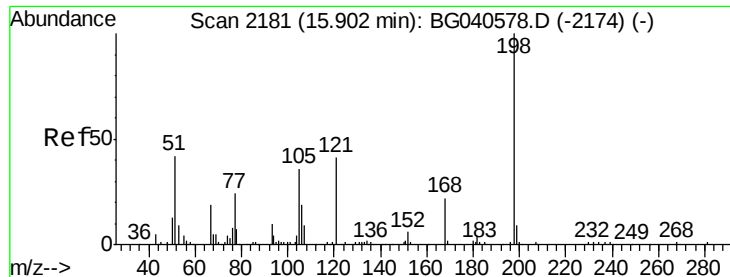


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.149 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.27 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0206-01

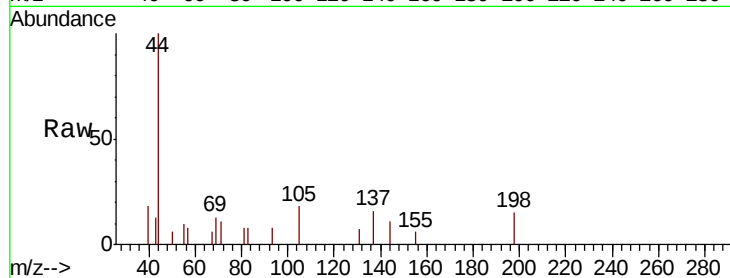
Tgt Ion:198 Resp: 124

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

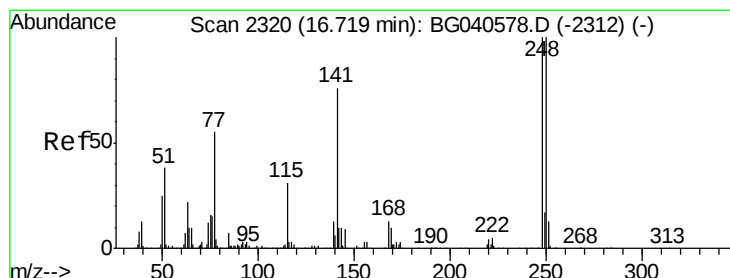
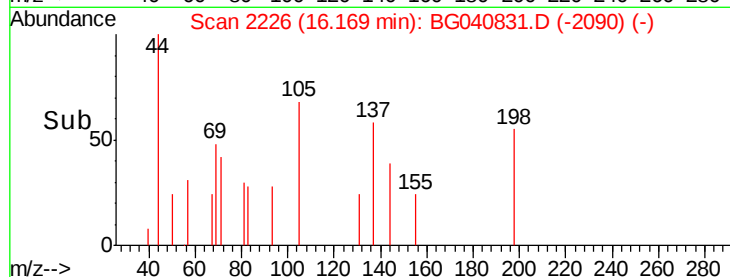
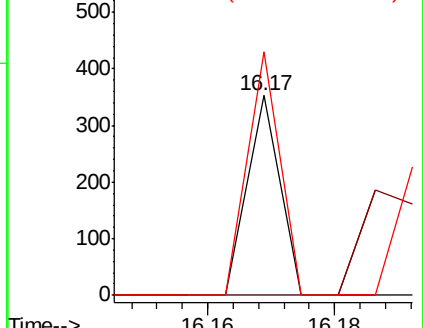
105 121.8 21.2 61.2#



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: 4.617 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

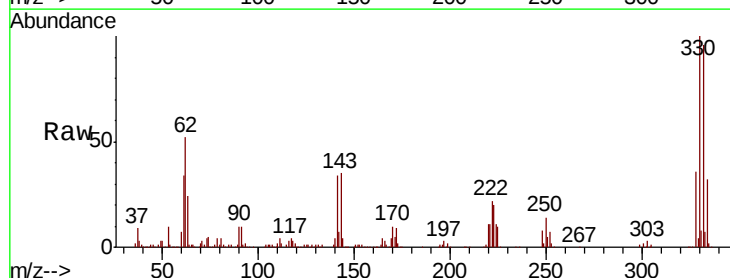
Tgt Ion:248 Resp: 25764

Ion Ratio Lower Upper

248 100

250 175.7 79.8 119.6#

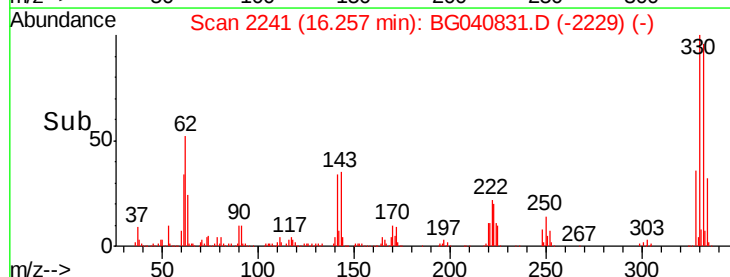
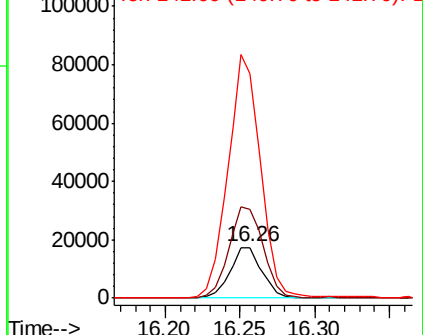
141 441.6 60.8 91.2#

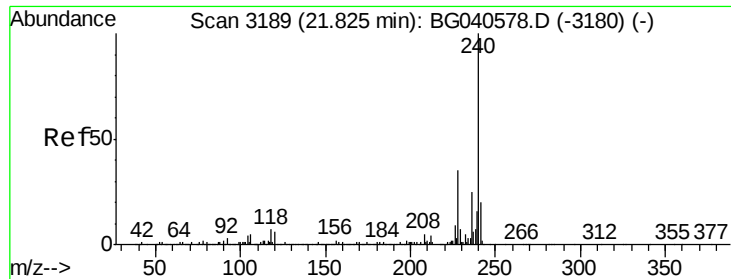


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

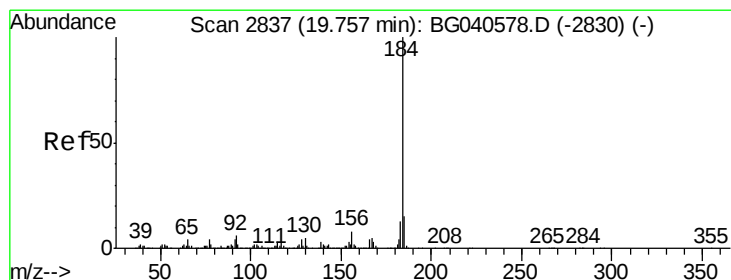
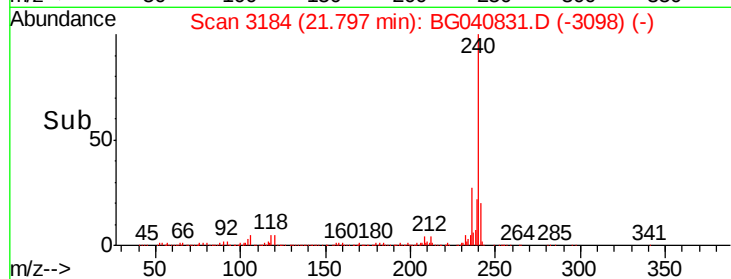
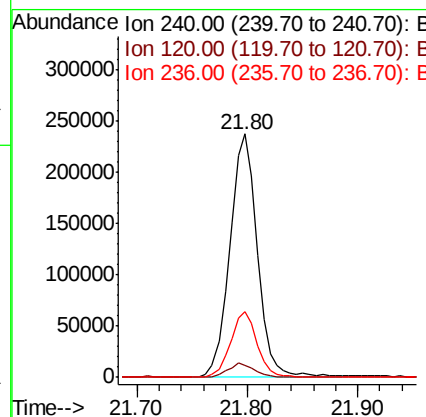
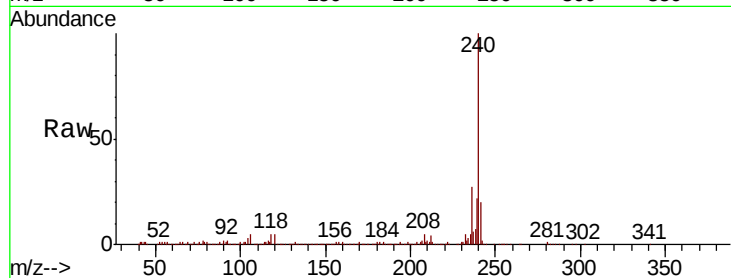




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

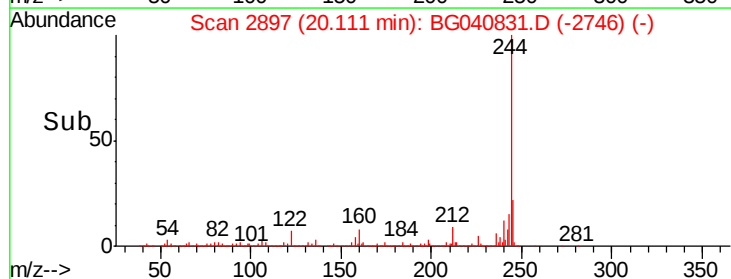
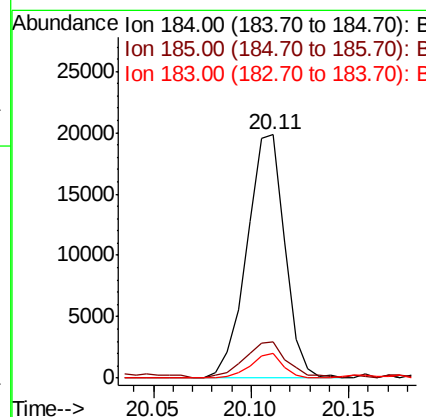
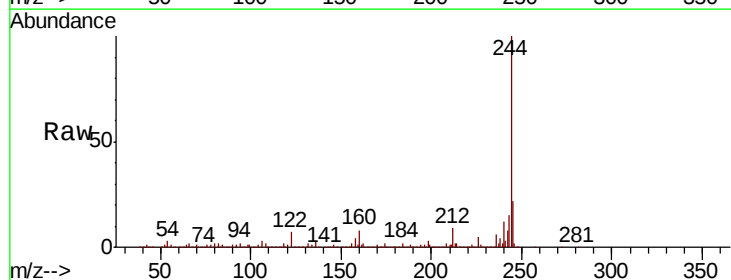
Instrument :
BNA_G
ClientSampleId :
P021-SS003-0206-01

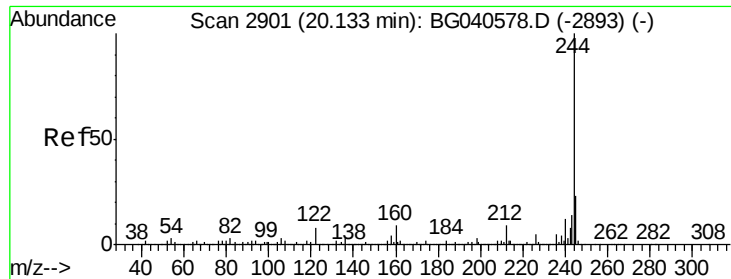
Tgt Ion:240 Resp: 415912
Ion Ratio Lower Upper
240 100
120 4.7 5.0 7.6#
236 27.0 20.3 30.5



#77
Benzidine
Concen: 2.346 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040831.D
Acq: 10 May 2019 00:50

Tgt Ion:184 Resp: 26714
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.8
183 9.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 79.591 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0206-01

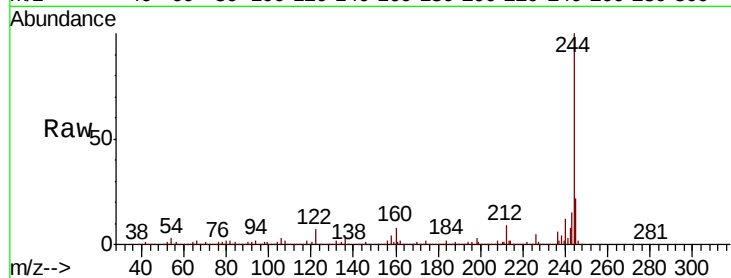
Tgt Ion:244 Resp: 1494192

Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

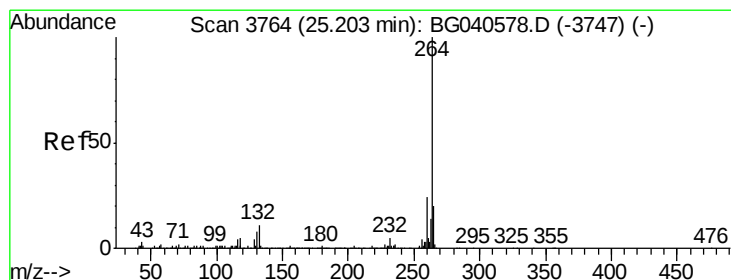
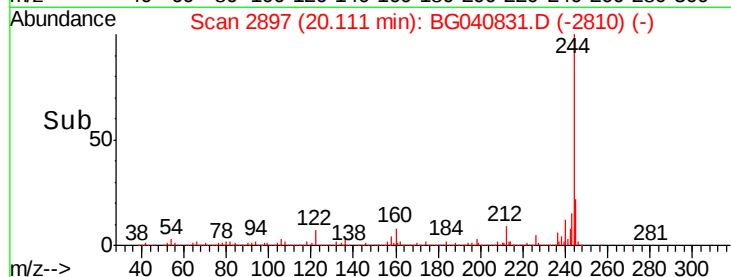
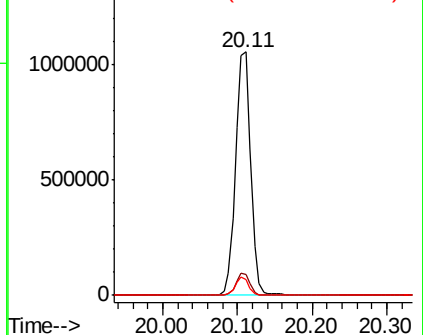
122 6.7 6.6 10.0



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040831.D

Acq: 10 May 2019 00:50

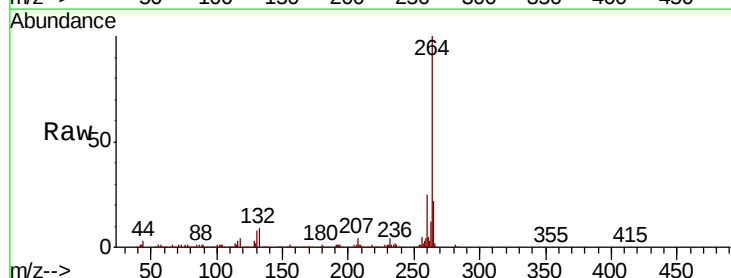
Tgt Ion:264 Resp: 437933

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.1 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

