

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040827.D
 Acq On : 9 May 2019 22:18
 Operator : HP/JU
 Sample : K2762-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0612-01

Quant Time: May 10 06:23:54 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

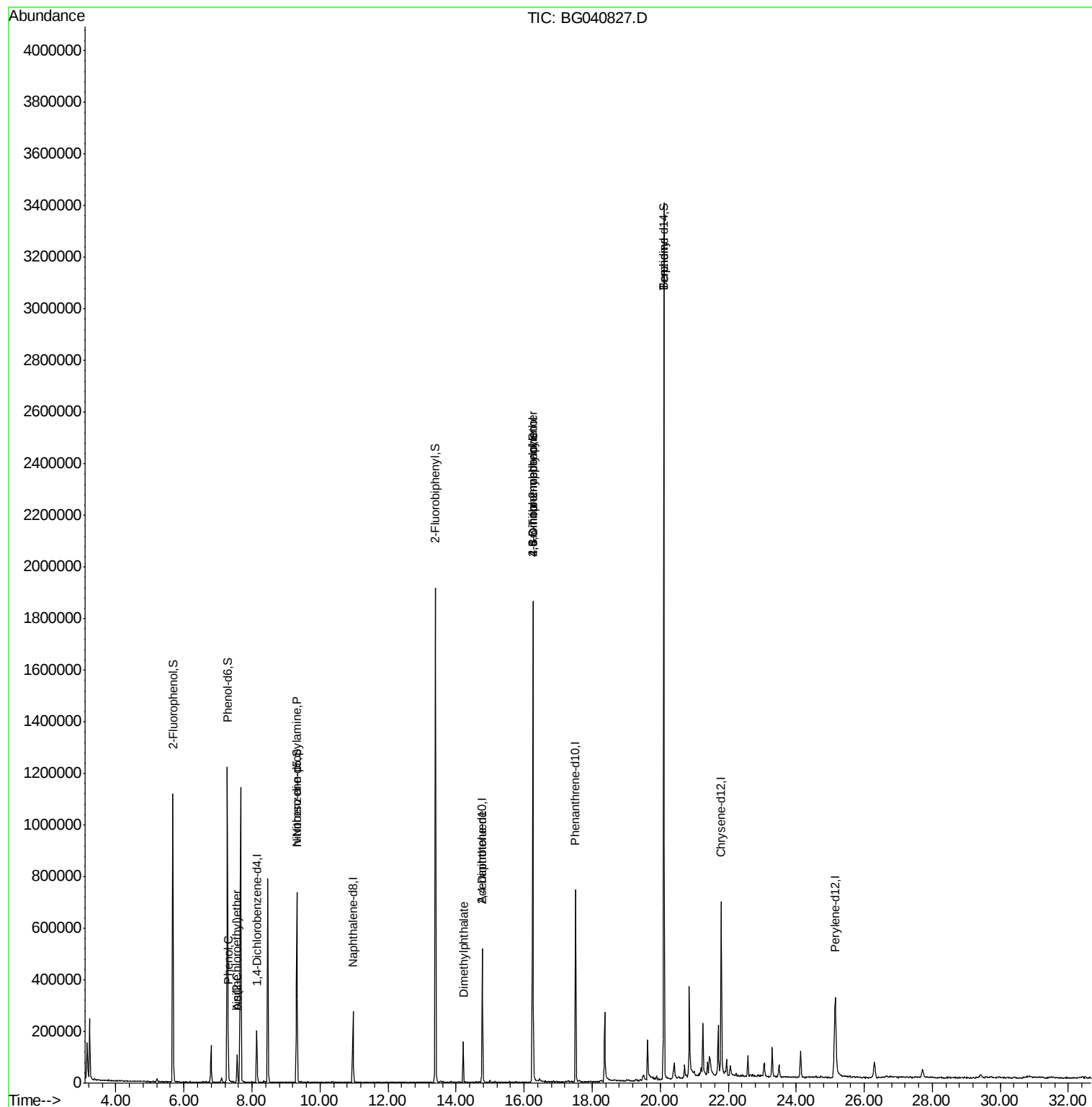
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	51088	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	220804	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	172723	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	449079	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	422455	20.00	ng	-0.03
87) Perylene-d12	25.15	264	393591	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	416869	143.84	ng	-0.01
7) Phenol-d6	7.28	99	639886	143.40	ng	-0.02
23) Nitrobenzene-d5	9.32	82	446595	93.46	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	340610	143.47	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	929213	77.69	ng	-0.02
79) Terphenyl-d14	20.11	244	1582656	83.00	ng	-0.02
Target Compounds						
6) Aniline	7.56	93	37765	6.385	ng	# 48
9) Benzaldehyde	7.28	77	1524	Below Cal		# 6
10) Phenol	7.31	94	9659	2.014	ng	# 75
11) bis(2-Chloroethyl)ether	7.56	93	37765	10.499	ng	# 17
19) n-Nitroso-di-n-propylamine	9.32	70	65393	16.279	ng	# 72
50) Dimethylphthalate	14.21	163	92257	6.384	ng	# 97
57) 2,4-Dinitrotoluene	14.77	165	22768	5.941	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.25	198	1276	7.593	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	25396	4.539	ng	# 1
77) Benzidine	20.11	184	29458	2.547	ng	# 96

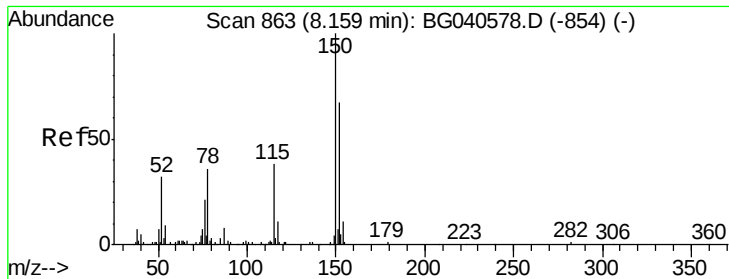
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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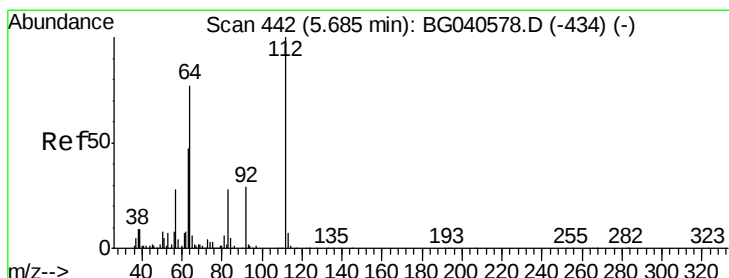
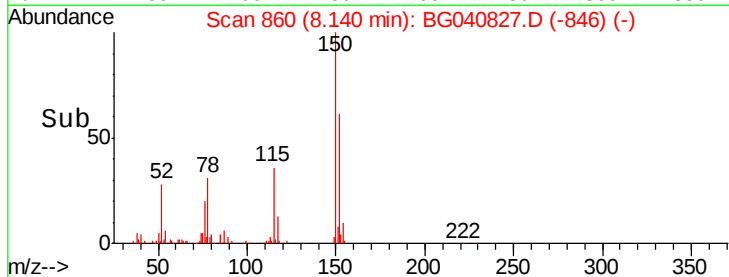
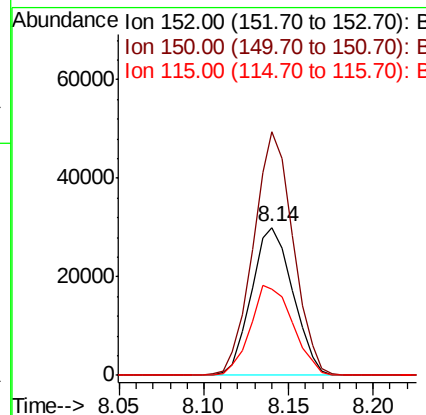
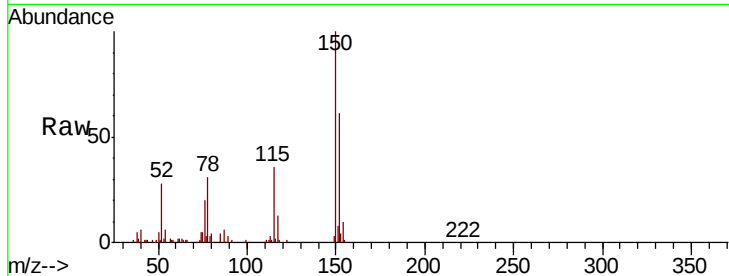


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040827.D
Acq: 9 May 2019 22:18

Instrument :
BNA_G
ClientSampleId :
P021-SS003-0612-01

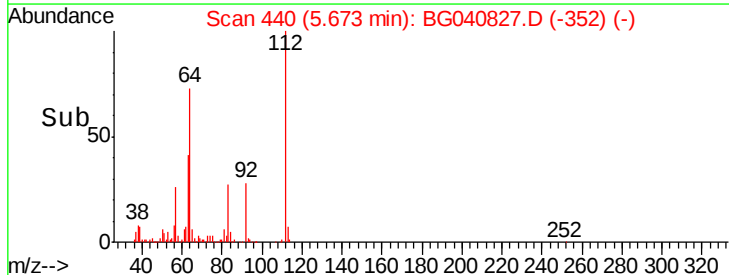
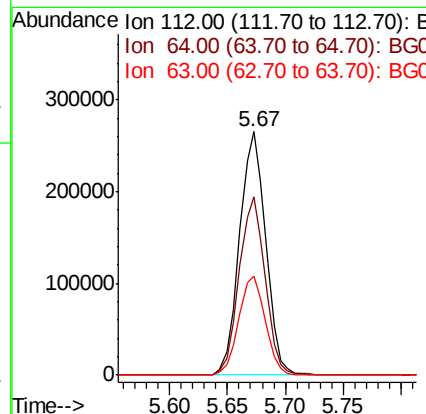
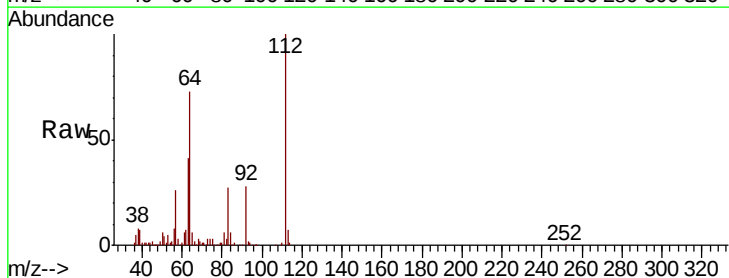
Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.9	120.2	180.2
115	58.6	46.2	69.2

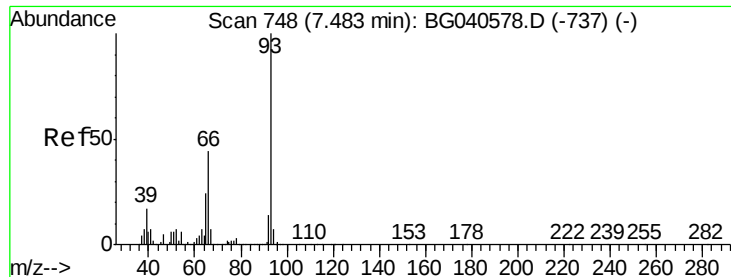


#5

2-Fluorophenol
Concen: 143.838 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040827.D
Acq: 9 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	61.4	92.0
63	40.9	37.8	56.6





#6

Aniline

Concen: 6.385 ng

RT: 7.56 min Scan# 762

Delta R.T. 0.08 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0612-01

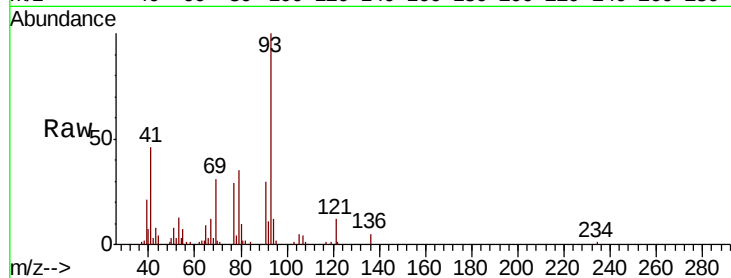
Tgt Ion: 93 Resp: 37765

Ion Ratio Lower Upper

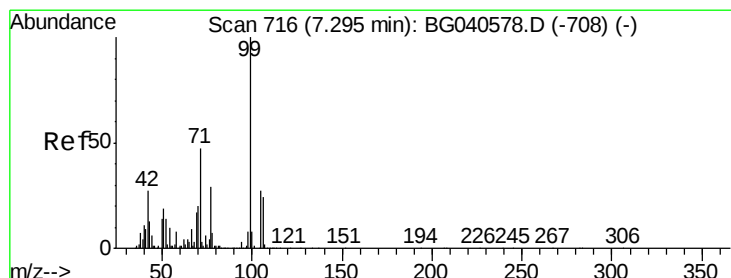
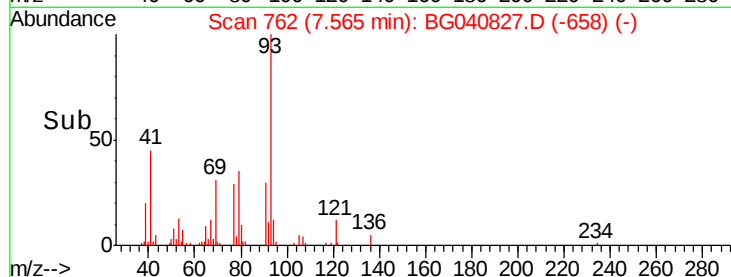
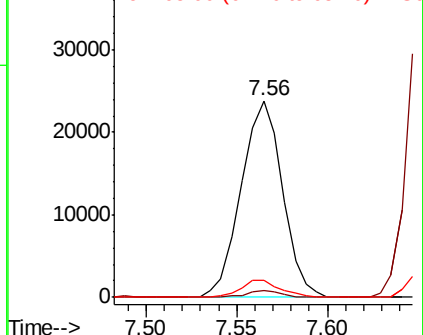
93 100

66 3.2 35.5 53.3#

65 8.6 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: 143.396 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

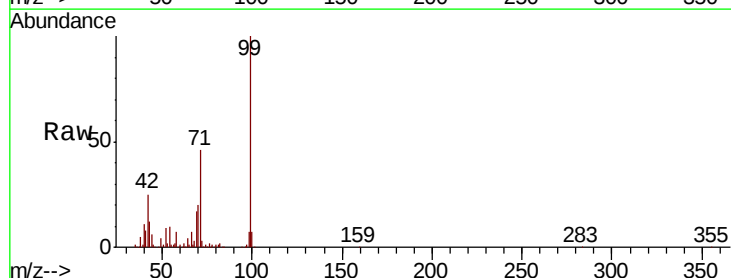
Tgt Ion: 99 Resp: 639886

Ion Ratio Lower Upper

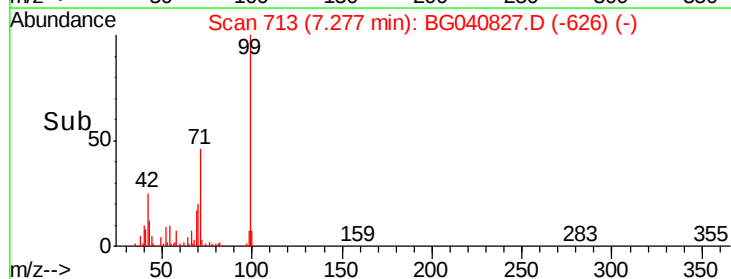
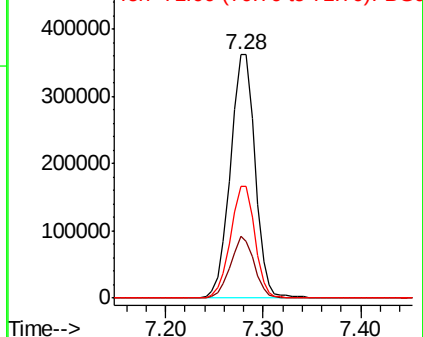
99 100

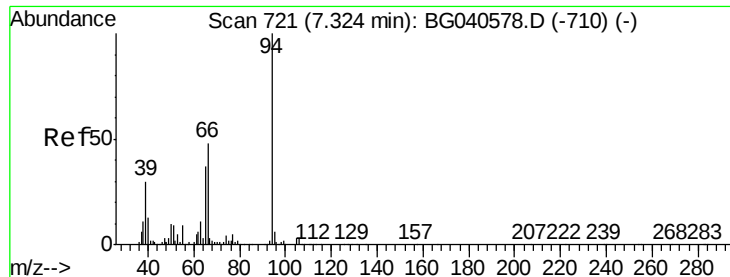
42 25.4 21.8 32.8

71 45.8 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





#10

Phenol

Concen: 2.014 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0612-01

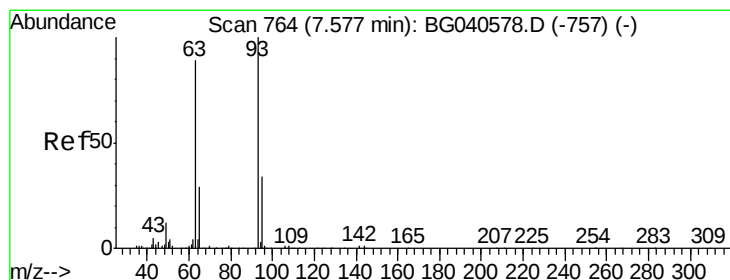
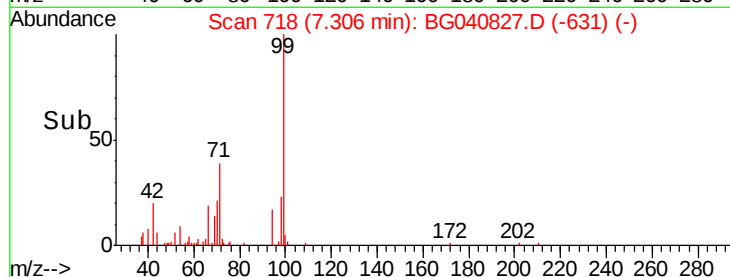
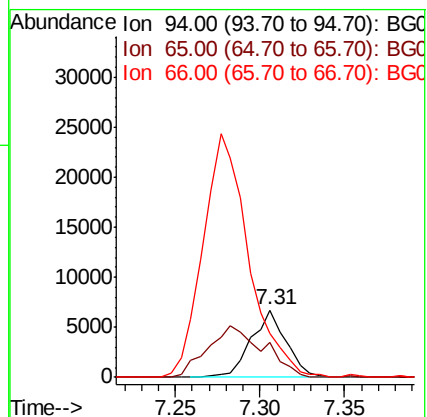
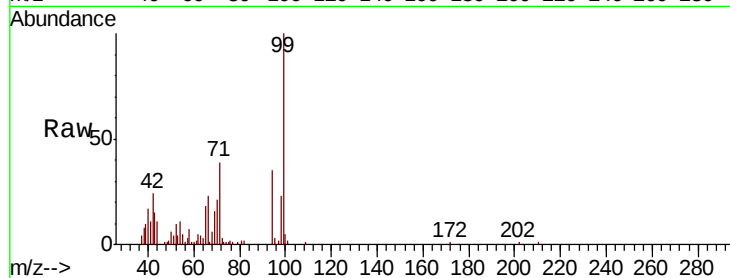
Tgt Ion: 94 Resp: 9659

Ion Ratio Lower Upper

94 100

65 52.1 17.0 57.0

66 65.5 28.6 68.6



#11

bis(2-Chloroethyl)ether

Concen: 10.499 ng

RT: 7.56 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

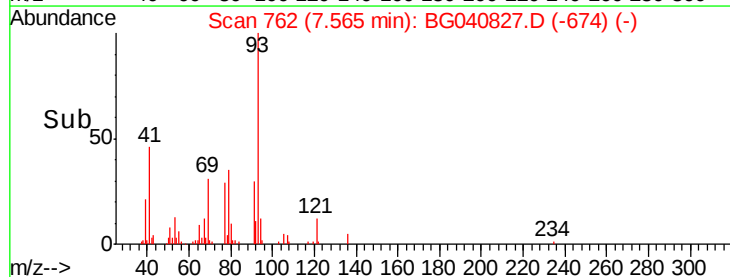
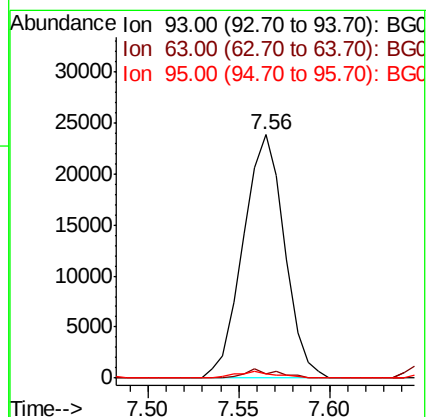
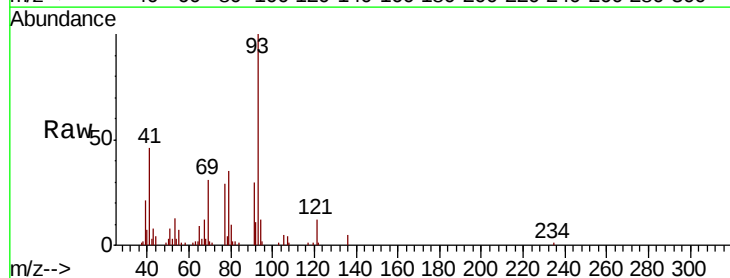
Tgt Ion: 93 Resp: 37765

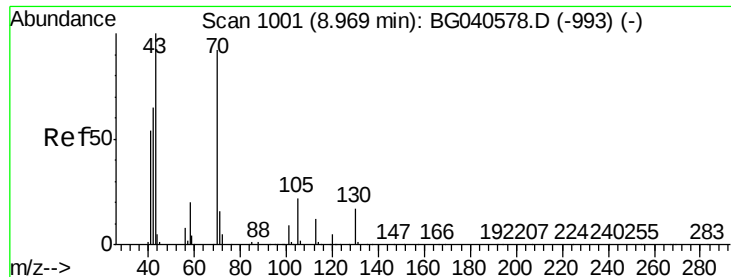
Ion Ratio Lower Upper

93 100

63 1.7 68.2 108.2#

95 1.6 14.3 54.3#

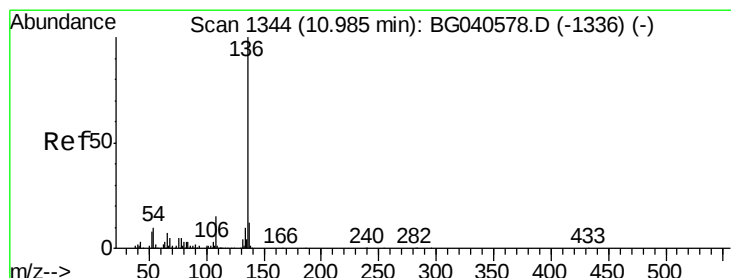
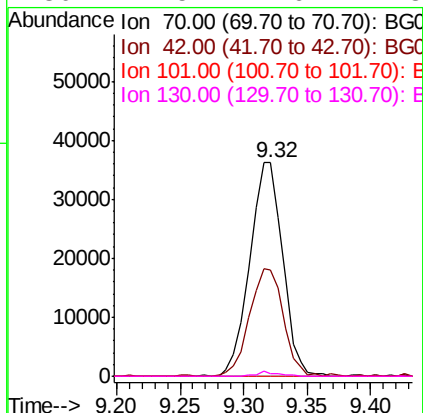
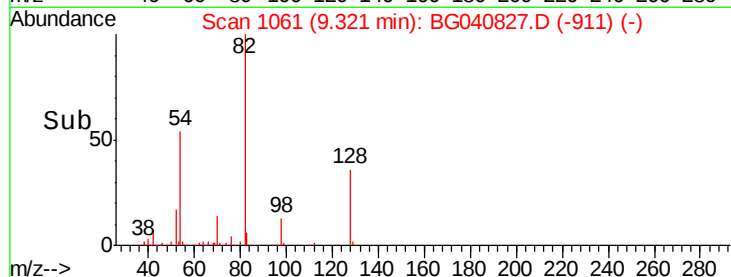
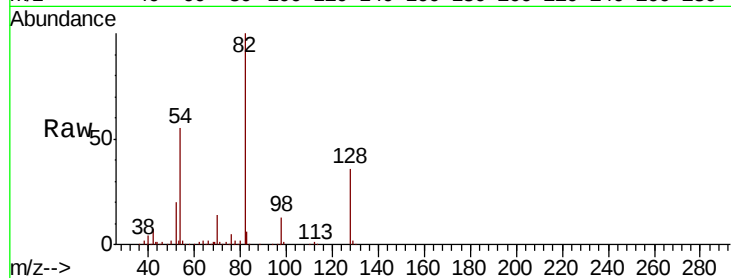




#19
n-Nitroso-di-n-propylamine
Concen: 16.279 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040827.D
Acq: 9 May 2019 22:18

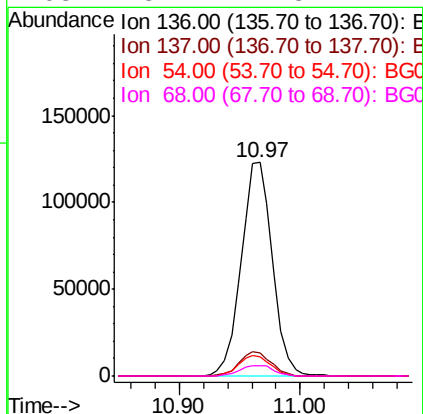
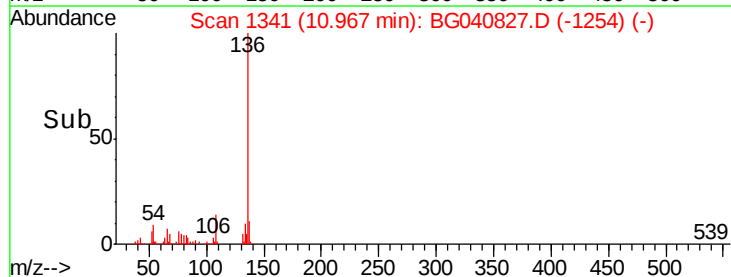
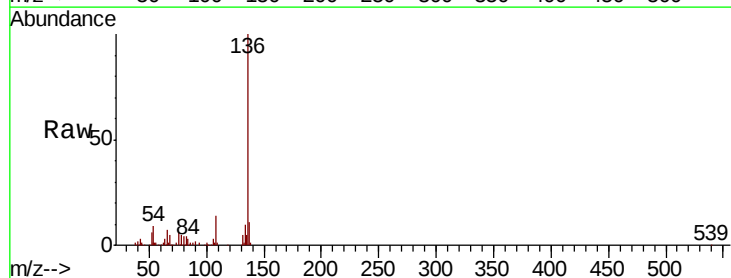
Instrument :
BNA_G
ClientSampleId :
P021-SS003-0612-01

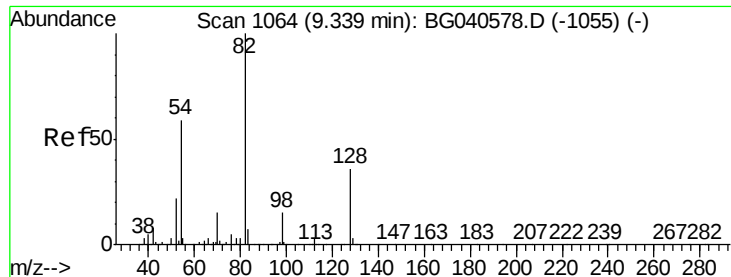
Tgt Ion:	70	Resp:	65393
Ion	Ratio	Lower	Upper
70	100		
42	49.9	57.1	85.7#
101	0.0	7.8	11.8#
130	1.5	14.6	21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040827.D
Acq: 9 May 2019 22:18

Tgt Ion:	136	Resp:	220804
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.7	14.5
54	9.2	8.6	12.8
68	5.2	4.8	7.2

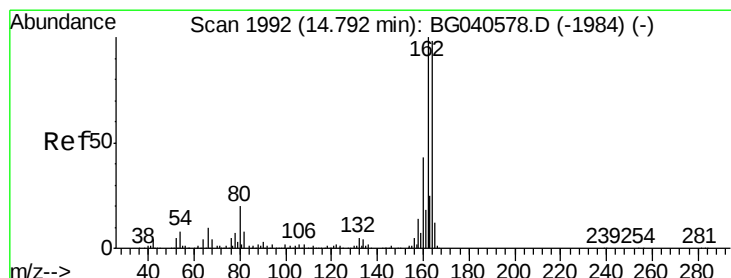
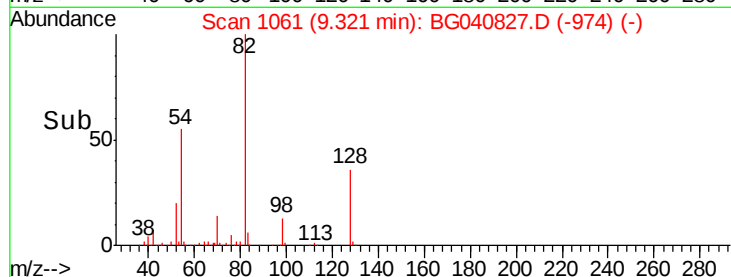
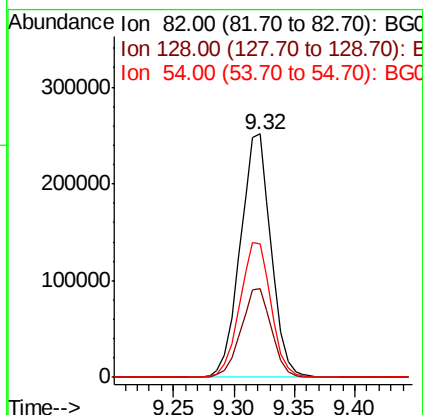
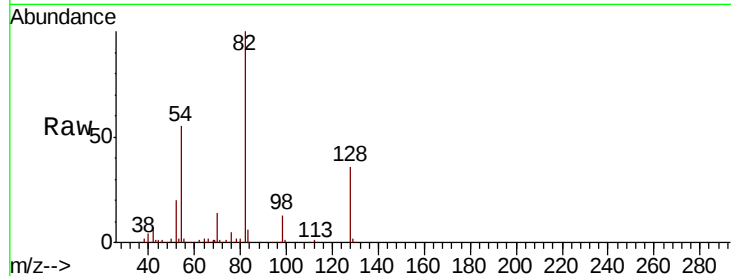




#23
 Nitrobenzene-d5
 Concen: 93.456 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

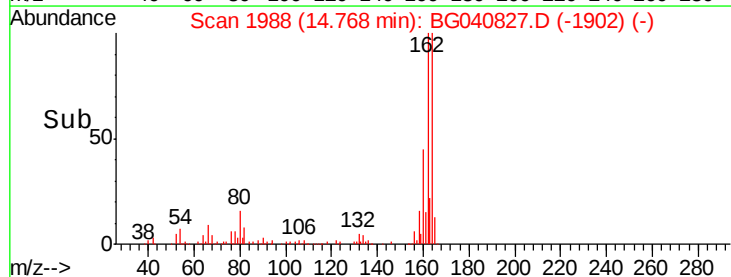
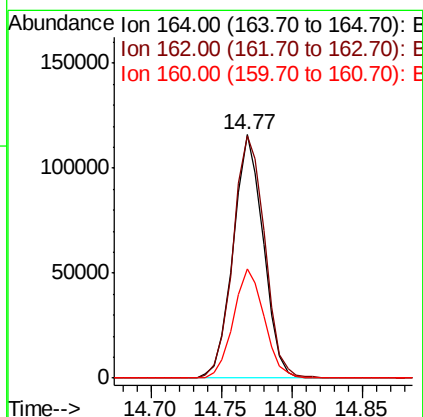
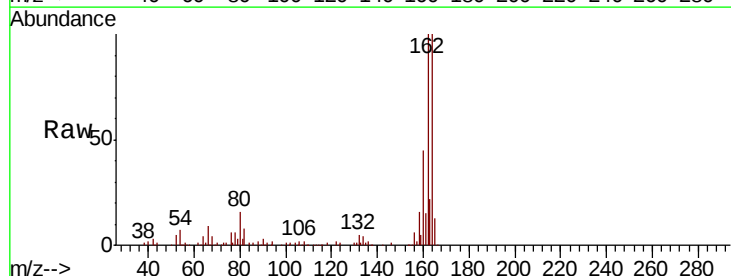
Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0612-01

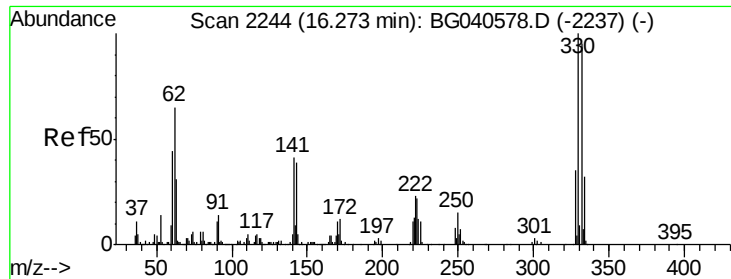
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.9	43.3
54	54.9	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.9	122.9
160	45.0	35.4	53.2

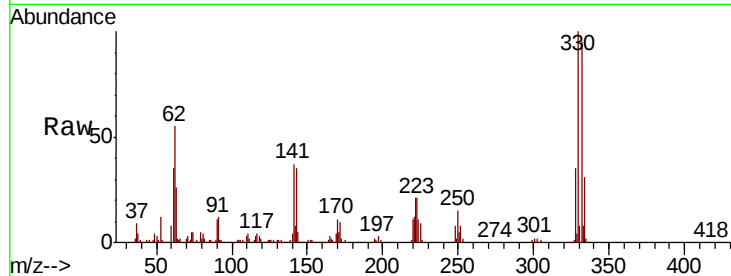




#42
 2,4,6-Tribromophenol
 Concen: 143.468 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0612-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.9	113.9
141	36.8	32.4	48.6

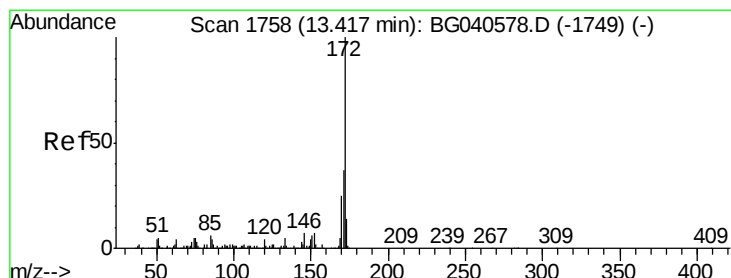
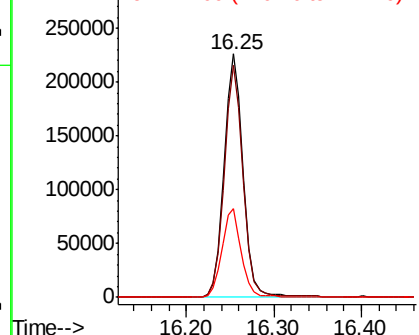
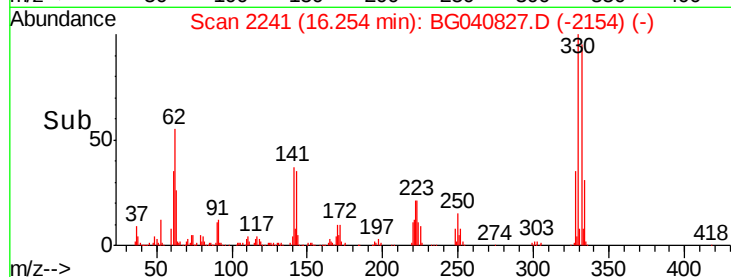


Abundance

Ion 329.80 (329.50 to 330.50): E

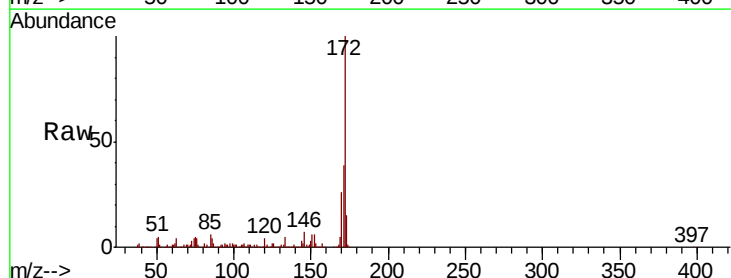
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.695 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.4	44.2
170	25.8	19.9	29.9

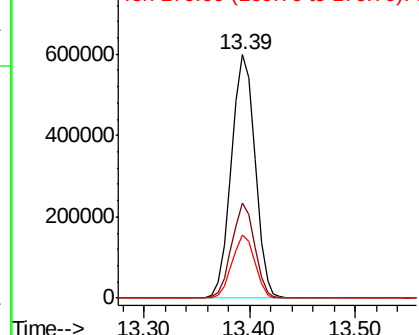
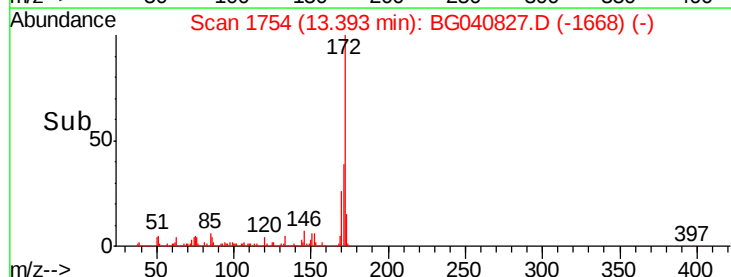


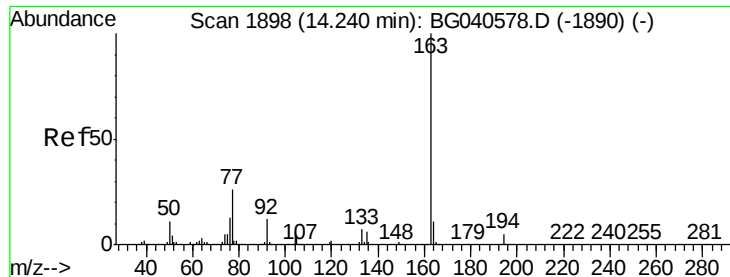
Abundance

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





#50

Dimethylphthalate

Concen: 6.384 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

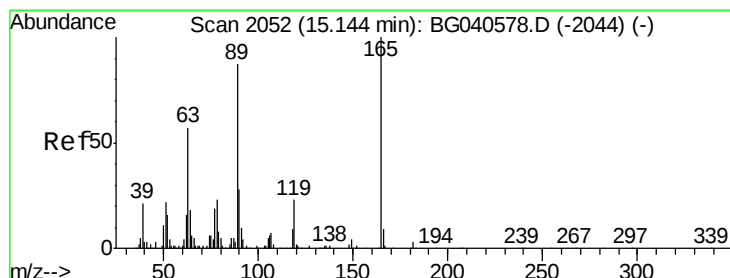
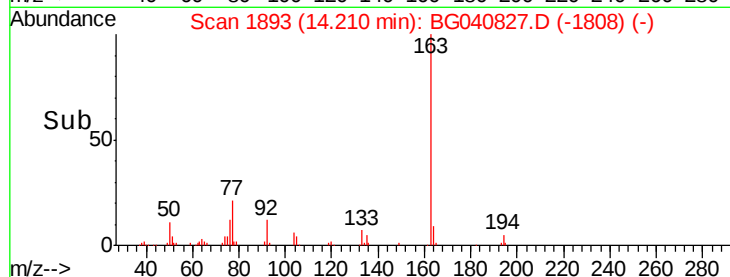
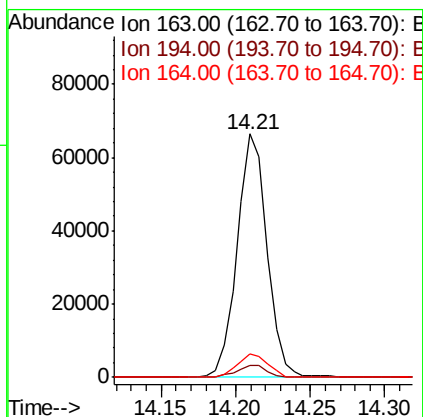
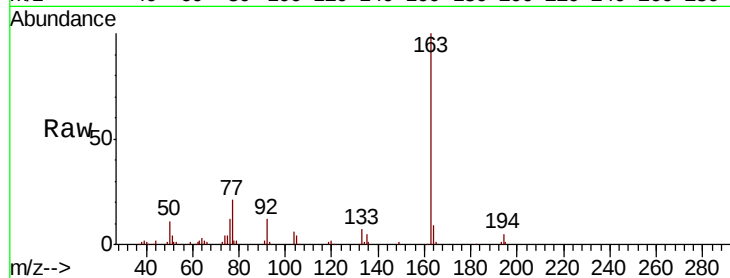
Instrument :

BNA_G

ClientSampleId :

P021-SS003-0612-01

Tgt Ion:	163	Resp:	92257
Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.8	5.8
164	9.4	8.8	13.2



#57

2,4-Dinitrotoluene

Concen: 5.941 ng

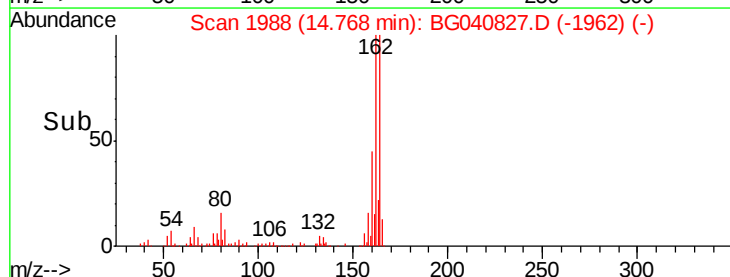
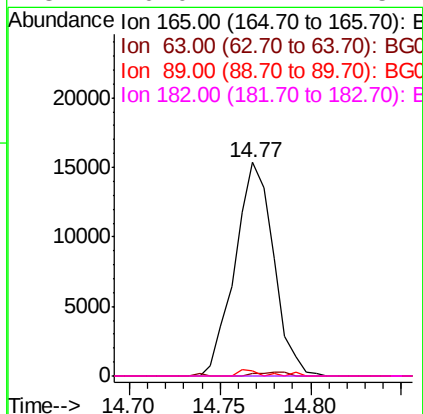
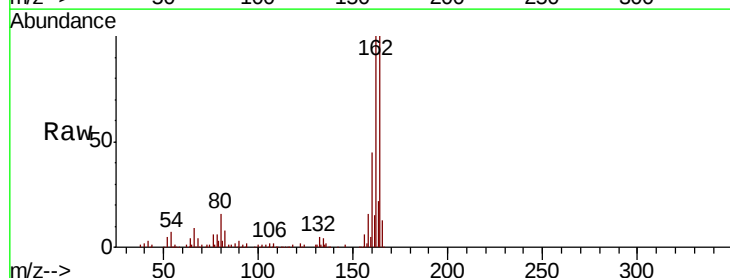
RT: 14.77 min Scan# 1988

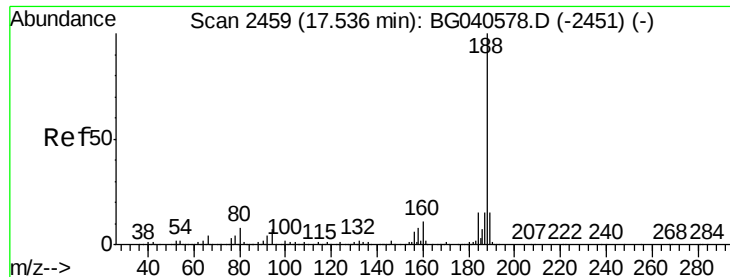
Delta R.T. -0.38 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

Tgt Ion:	165	Resp:	22768
Ion	Ratio	Lower	Upper
165	100		
63	1.2	45.8	68.8#
89	2.6	69.4	104.2#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0612-01

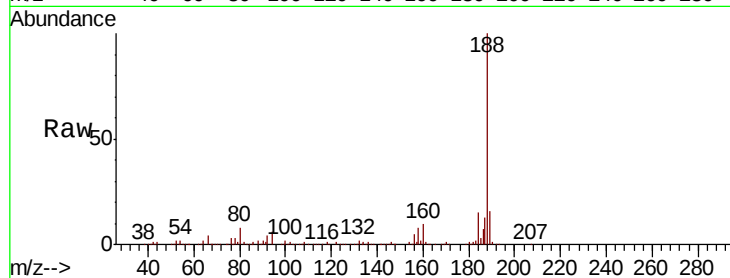
Tgt Ion:188 Resp: 449079

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

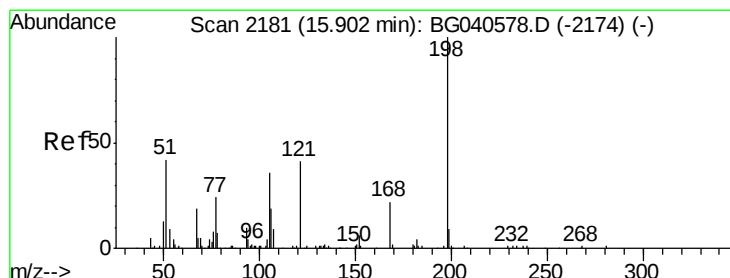
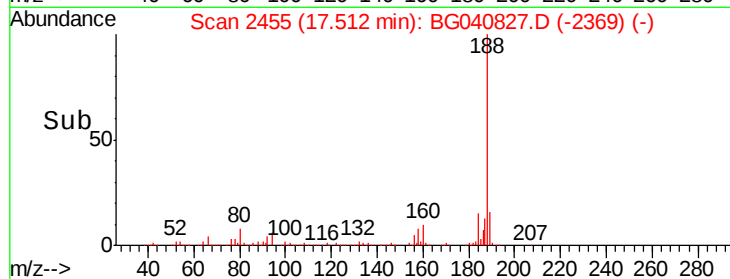
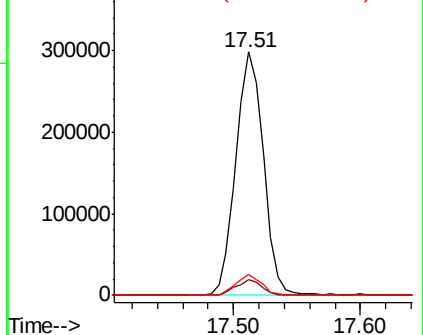
80 8.5 6.4 9.6



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: 7.593 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

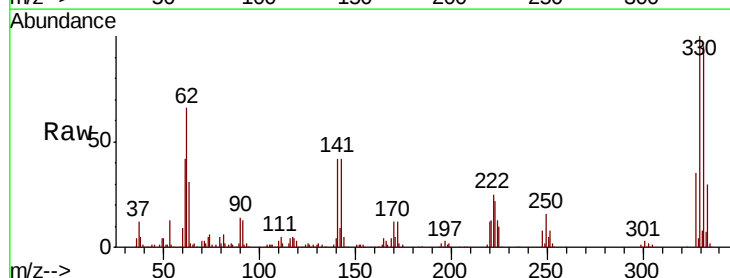
Tgt Ion:198 Resp: 1276

Ion Ratio Lower Upper

198 100

51 119.4 35.9 75.9#

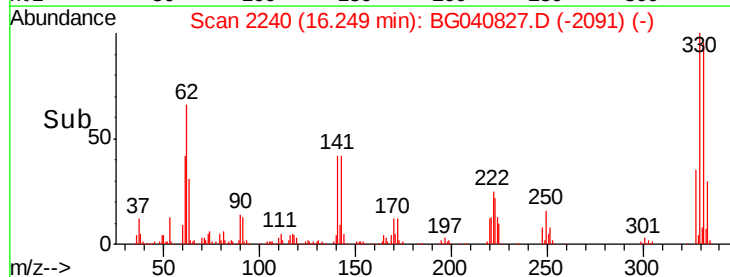
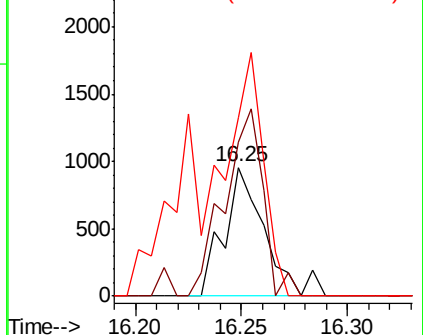
105 138.1 21.2 61.2#

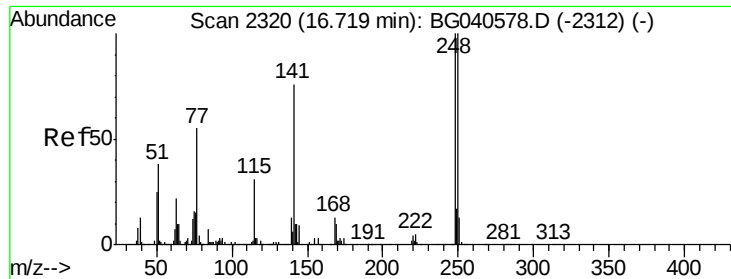


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

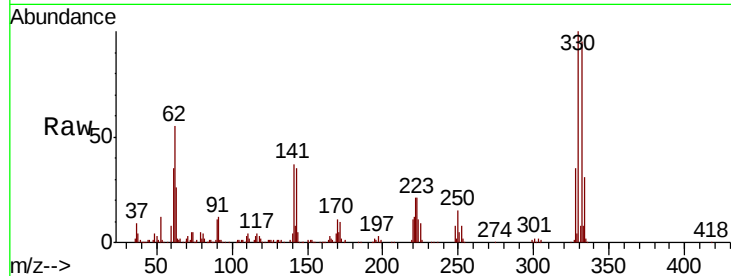




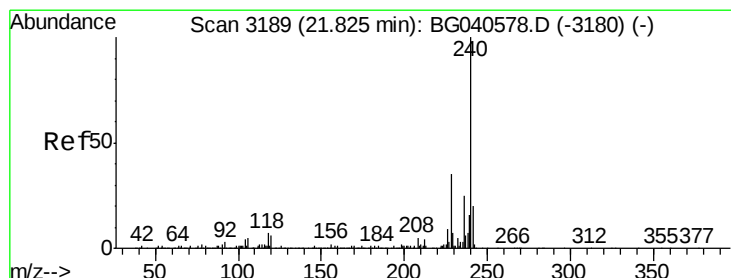
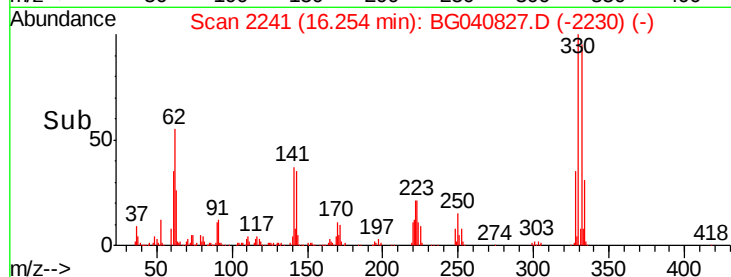
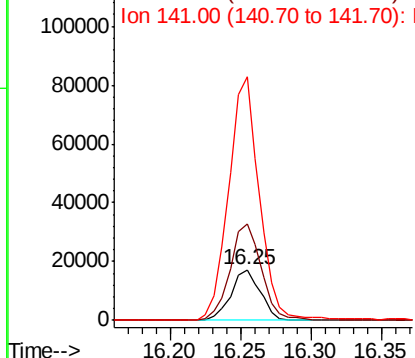
#67
 4-Bromophenyl-phenylether
 Concen: 4.539 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0612-01

Tgt Ion:248 Resp: 25396
 Ion Ratio Lower Upper
 248 100
 250 191.9 79.8 119.6#
 141 483.1 60.8 91.2#

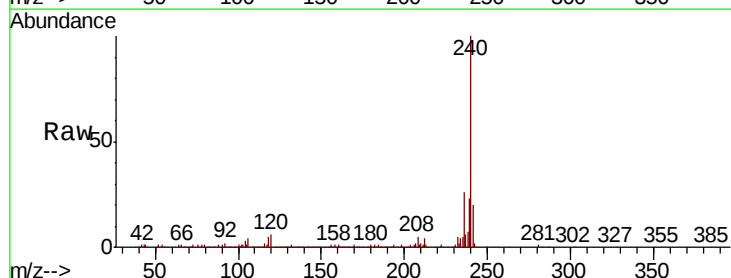


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

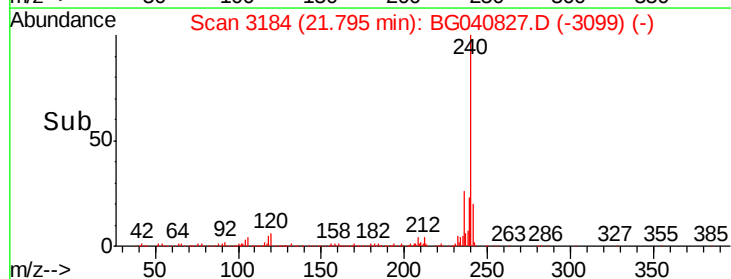
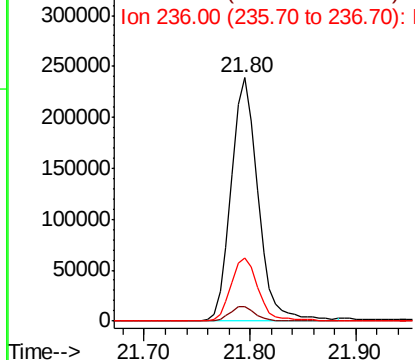


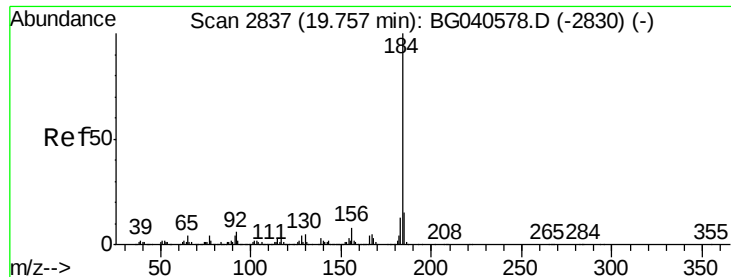
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040827.D
 Acq: 9 May 2019 22:18

Tgt Ion:240 Resp: 422455
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.0 7.6
 236 26.1 20.3 30.5



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: 2.547 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

Instrument :

BNA_G

ClientSampleId :

P021-SS003-0612-01

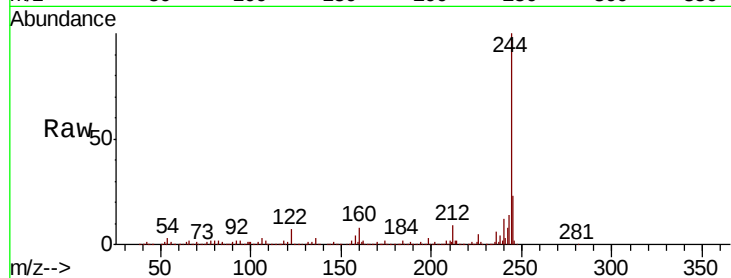
Tgt Ion:184 Resp: 29458

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.8

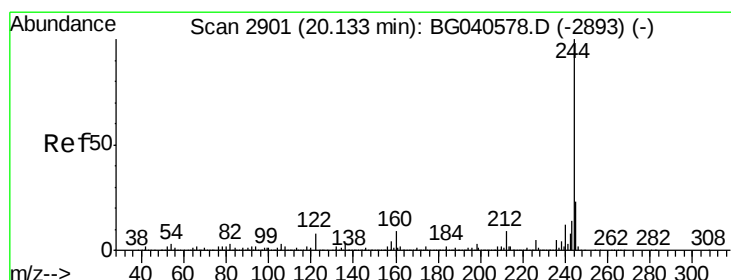
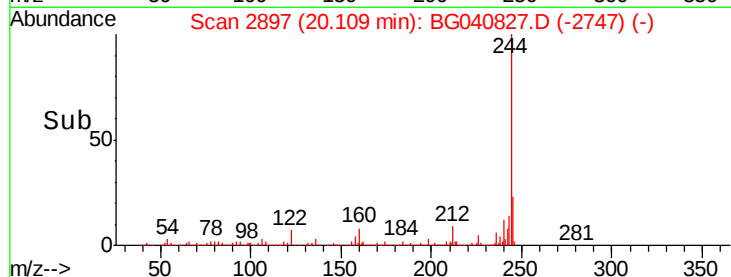
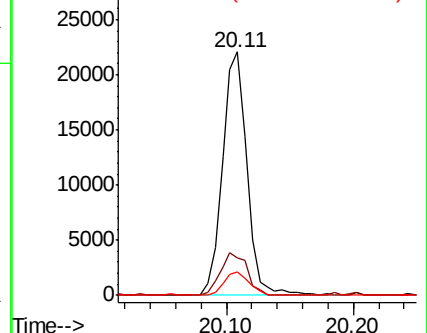
183 9.8 10.2 15.2#



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: 82.997 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040827.D

Acq: 9 May 2019 22:18

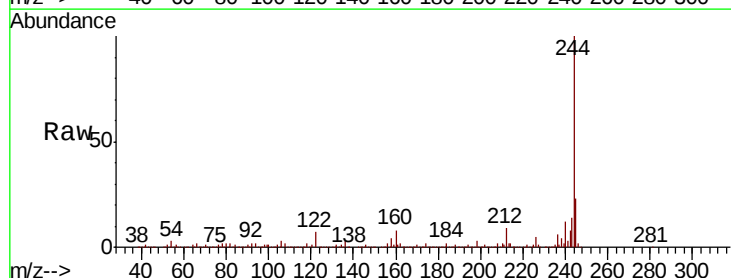
Tgt Ion:244 Resp: 1582656

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

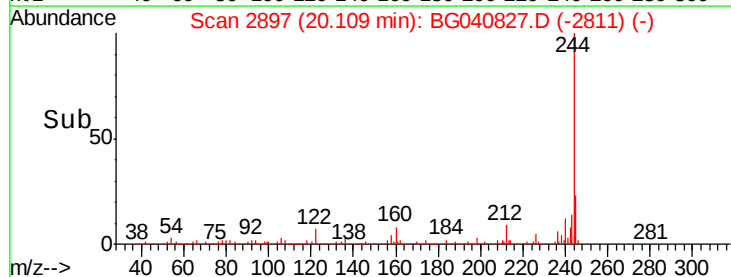
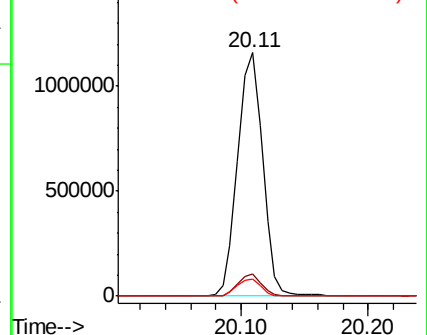
122 7.1 6.6 10.0

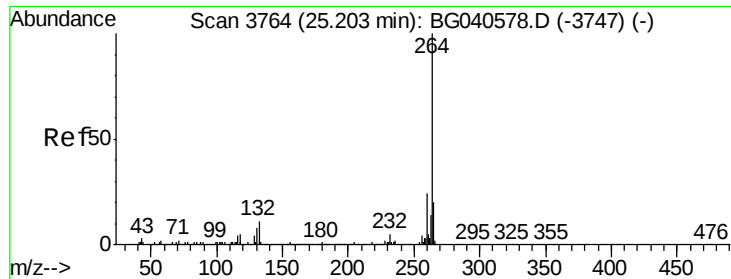


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040827.D
 Acq: 9 May 2019 22:18

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS003-0612-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	19.4	16.6	25.0

