

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040867.D
 Acq On : 11 May 2019 4:54
 Operator : HP/JU
 Sample : K2762-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS001-0002-02

Quant Time: May 11 05:47:37 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

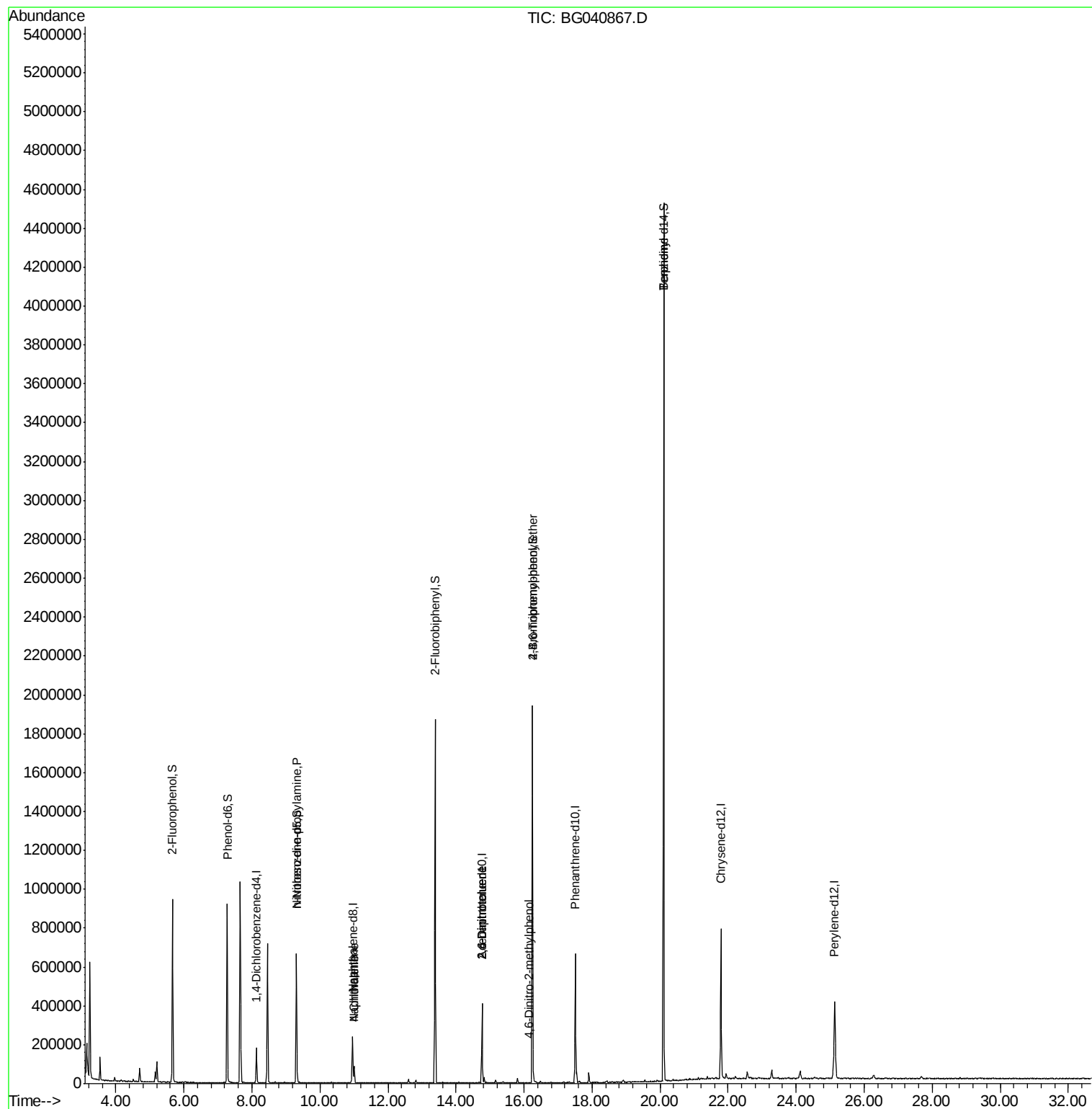
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47827	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	187422	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	144629	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	407017	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	465260	20.00	ng	-0.04
87) Perylene-d12	25.14	264	475737	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	356354	131.34	ng	-0.02
7) Phenol-d6	7.27	99	467896	112.00	ng	-0.02
23) Nitrobenzene-d5	9.31	82	402626	99.26	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	363517	182.86	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	923740	92.24	ng	-0.03
79) Terphenyl-d14	20.11	244	2083479	99.21	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1054	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	57071	15.176 ng	#	77
31) Naphthalene	11.00	128	68208	6.850 ng	#	97
33) 4-Chloroaniline	11.00	127	8877	2.011 ng	#	40
51) 2,6-Dinitrotoluene	14.76	165	18748	7.938 ng	#	15
57) 2,4-Dinitrotoluene	14.76	165	18748	5.842 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.16	198	62	7.128 ng	#	28
67) 4-Bromophenyl-phenylether	16.25	248	26127	5.152 ng	#	1
77) Benzidine	20.11	184	38511	3.023 ng	#	95

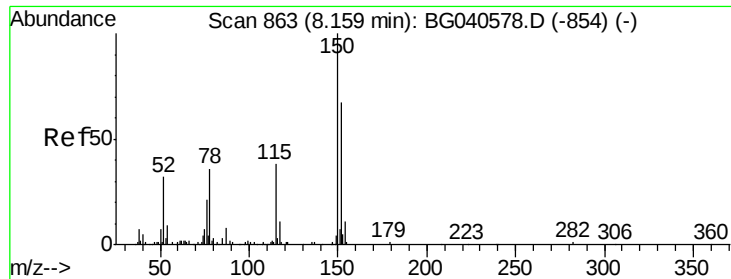
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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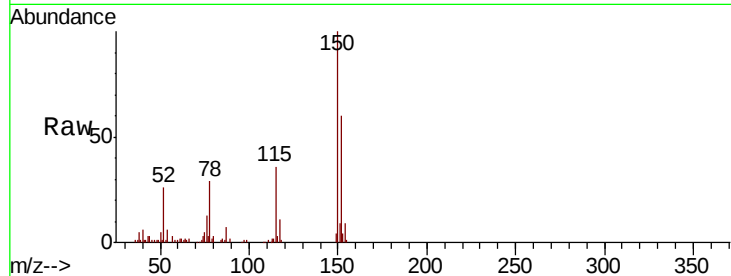


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Instrument :
BNA_G
ClientSampleId :
P021-SS001-0002-02

Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.6	120.2	180.2
115	60.4	46.2	69.2

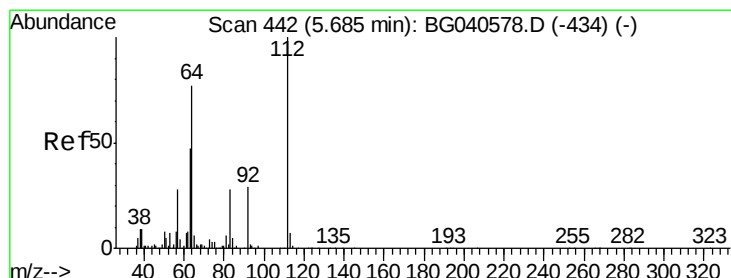
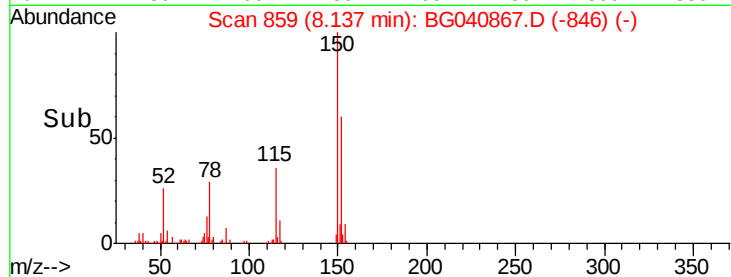
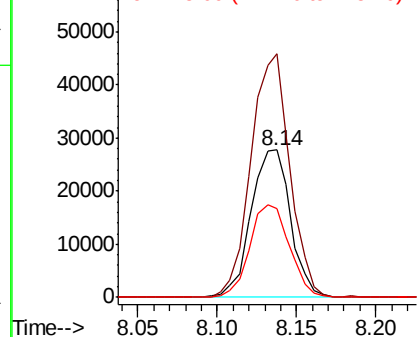


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

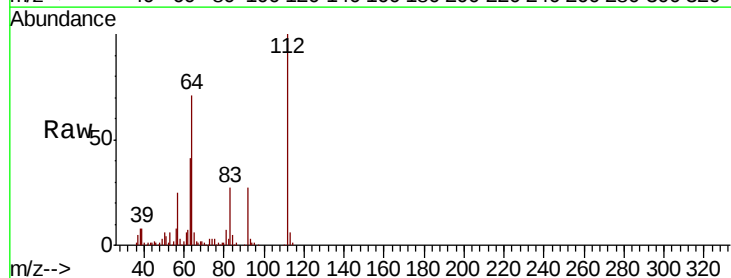
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 131.342 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	61.4	92.0
63	40.7	37.8	56.6

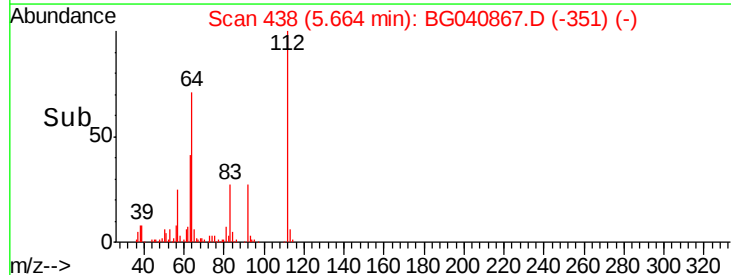
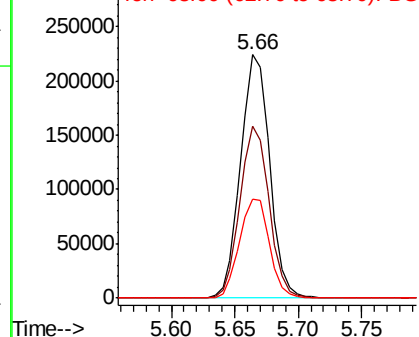


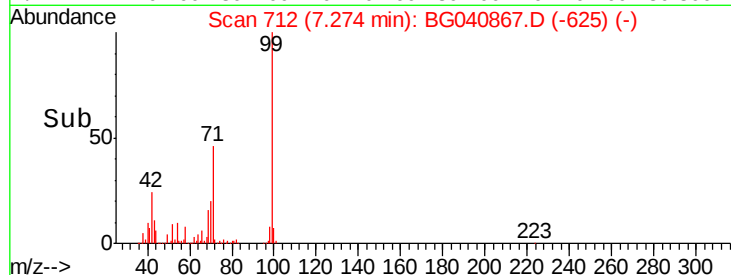
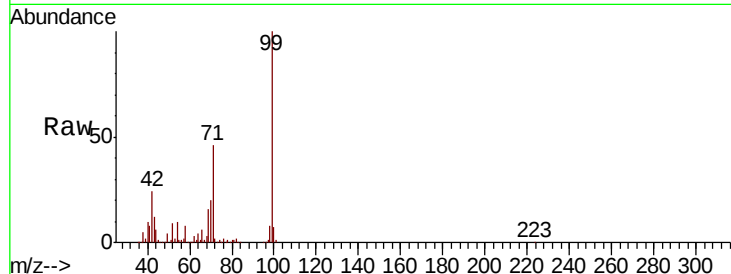
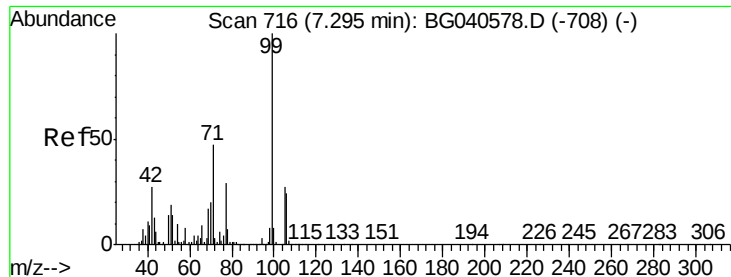
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 112.003 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

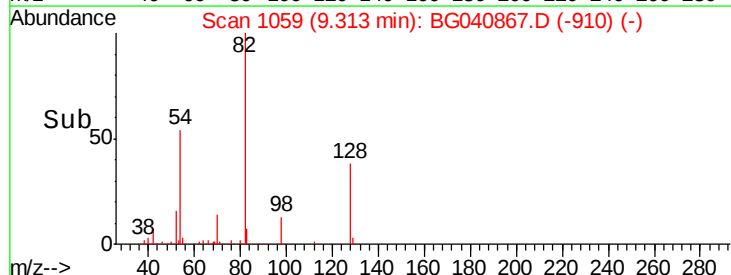
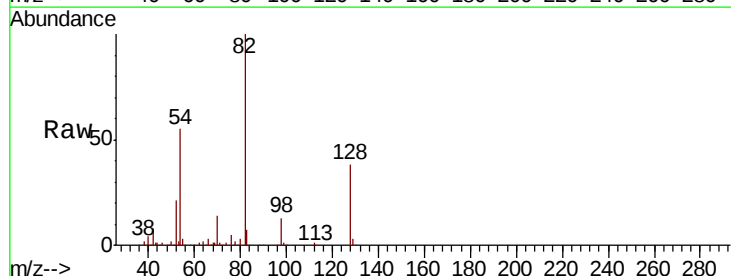
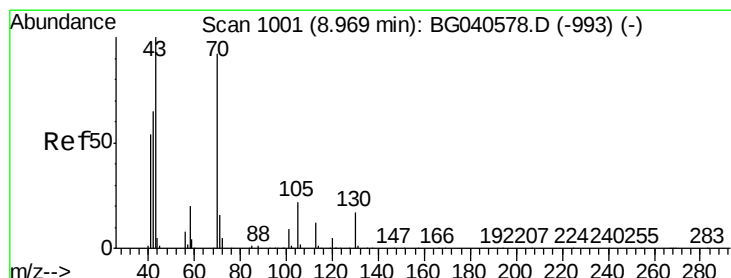
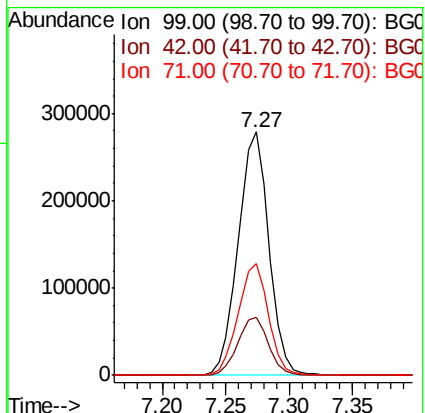
Tgt Ion: 99 Resp: 467896

Ion Ratio Lower Upper

99 100

42 23.9 21.8 32.8

71 46.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.176 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Tgt Ion: 70 Resp: 57071

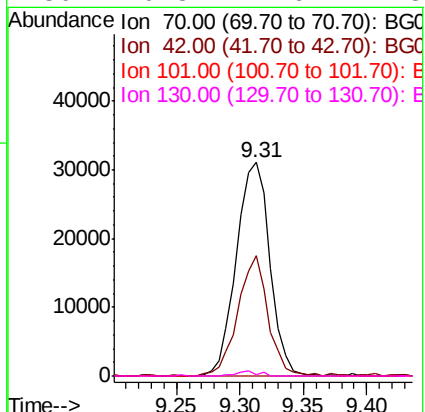
Ion Ratio Lower Upper

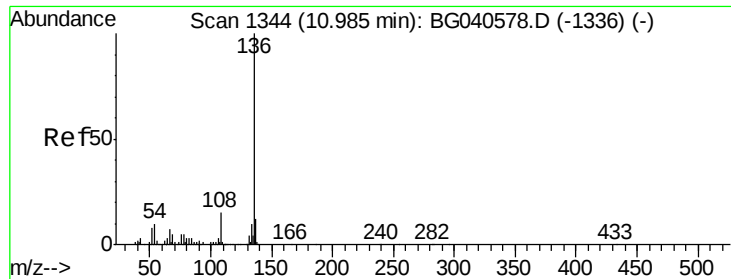
70 100

42 56.3 57.1 85.7#

101 0.0 7.8 11.8#

130 0.8 14.6 21.8#

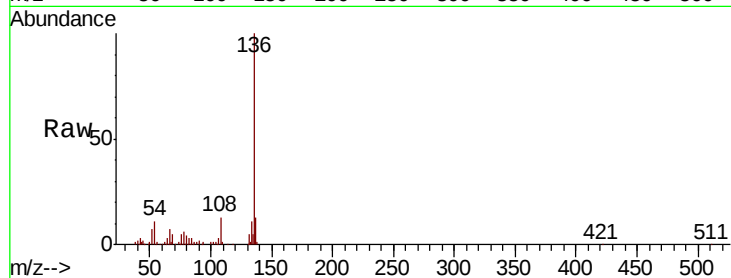




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Instrument :
BNA_G
ClientSampleId :
P021-SS001-0002-02

Tgt Ion:	136	Resp:	187422
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	10.5	8.6	12.8
68	5.0	4.8	7.2



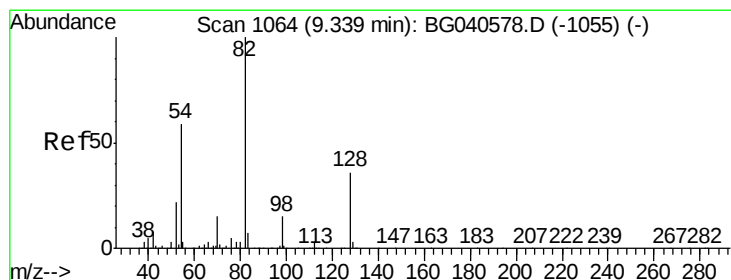
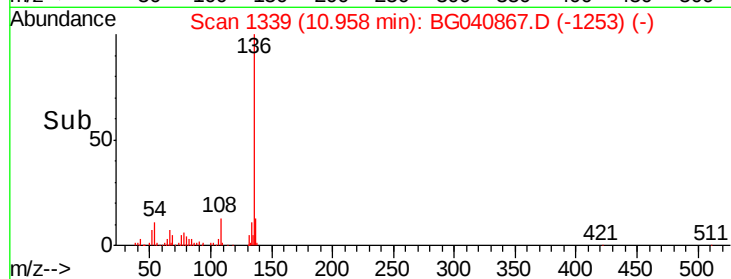
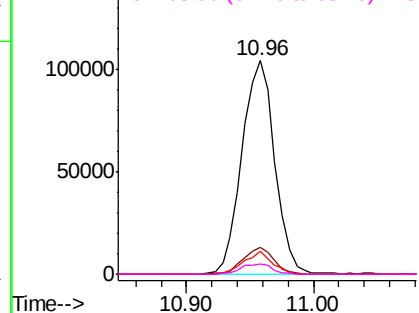
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

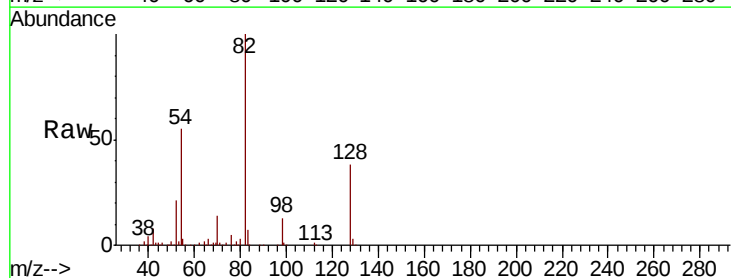
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 99.262 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Tgt Ion:	82	Resp:	402626
Ion	Ratio	Lower	Upper
82	100		
128	37.7	28.9	43.3
54	55.1	47.2	70.8

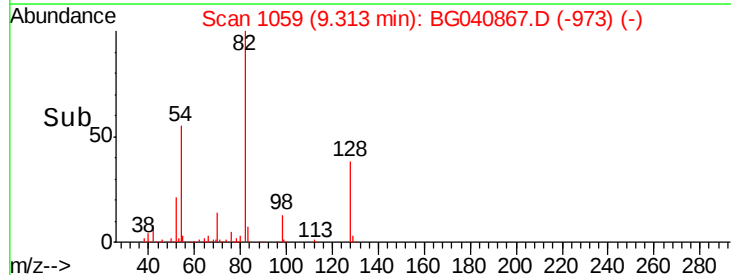
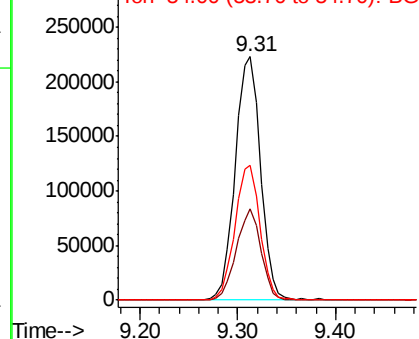


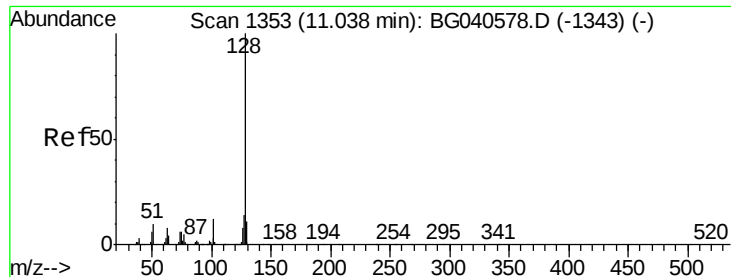
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

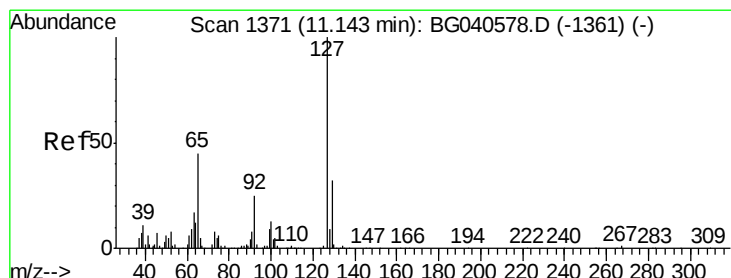
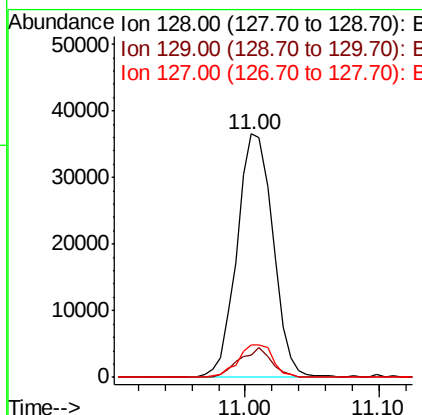
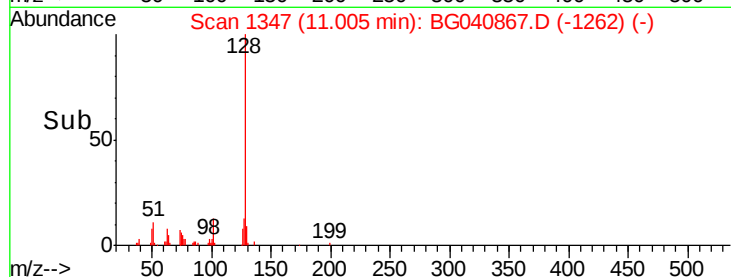
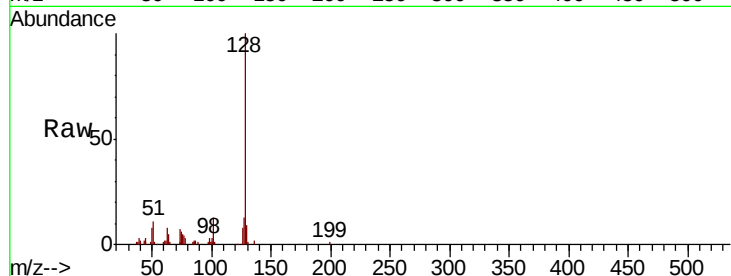




#31
Naphthalene
Concen: 6.850 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.03 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

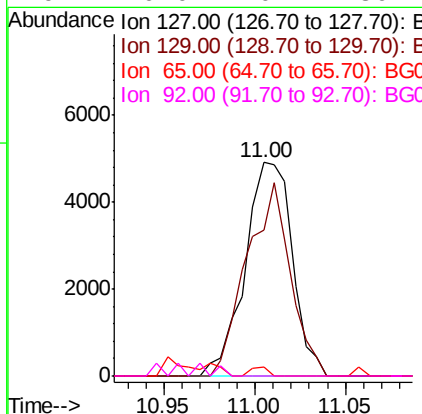
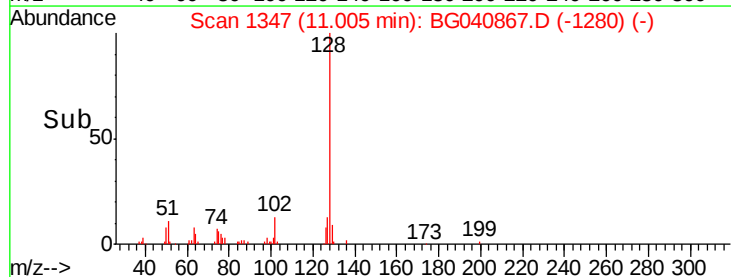
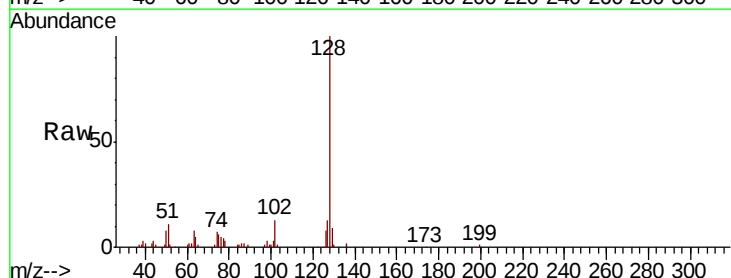
Instrument :
BNA_G
ClientSampleId :
P021-SS001-0002-02

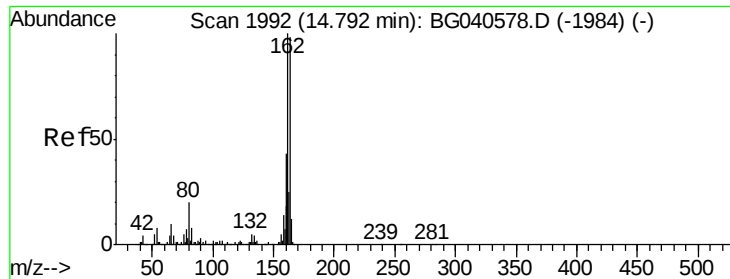
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.2	9.0	13.6
127	13.5	11.3	16.9



#33
4-Chloroaniline
Concen: 2.011 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.14 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Tgt Ion	Ratio	Lower	Upper
127	100		
129	68.3	25.7	38.5#
65	4.2	36.1	54.1#
92	0.0	20.1	30.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

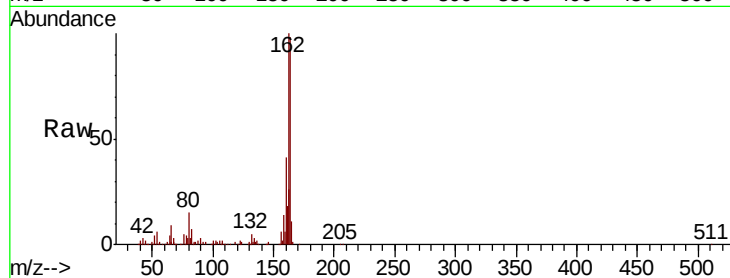
Tgt Ion:164 Resp: 144629

Ion Ratio Lower Upper

164 100

162 102.1 81.9 122.9

160 41.6 35.4 53.2

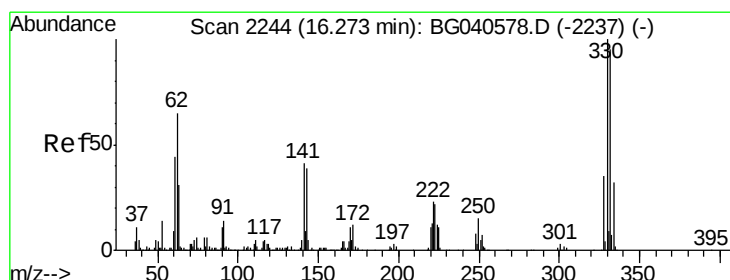
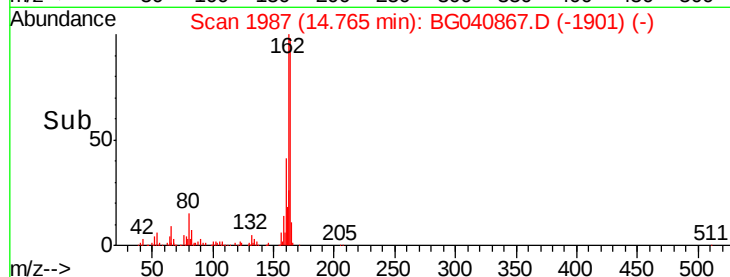
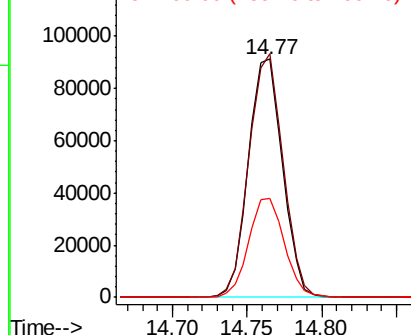


Abundance

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: 182.859 ng

RT: 16.25 min Scan# 2239

Delta R.T. -0.03 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

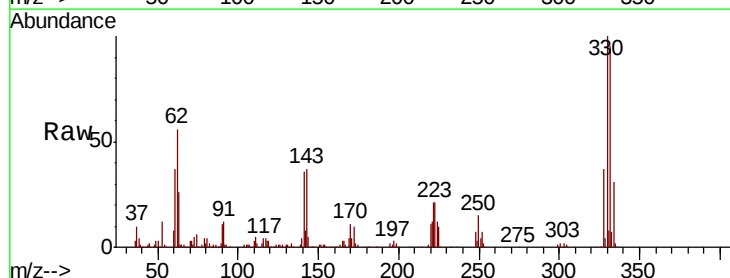
Tgt Ion:330 Resp: 363517

Ion Ratio Lower Upper

330 100

332 96.2 75.9 113.9

141 35.5 32.4 48.6

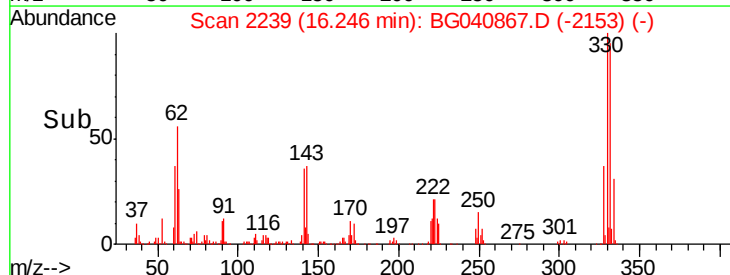
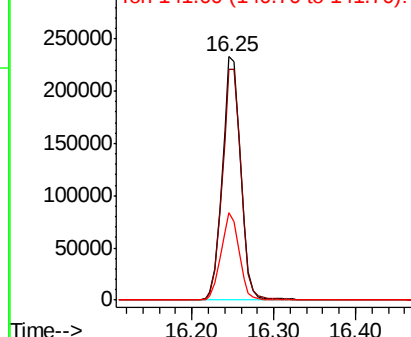


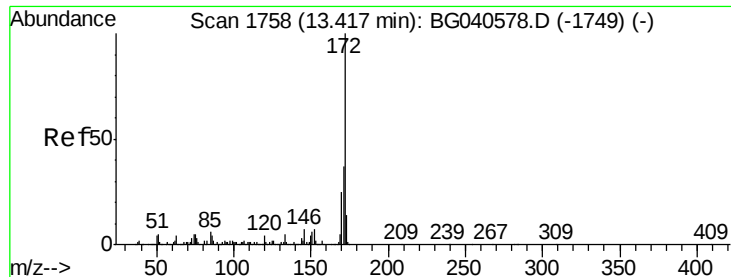
Abundance

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: 92.241 ng

RT: 13.38 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

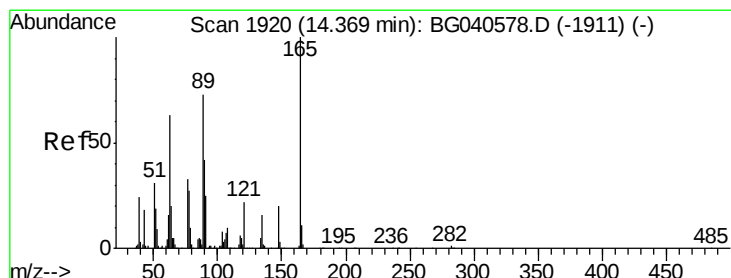
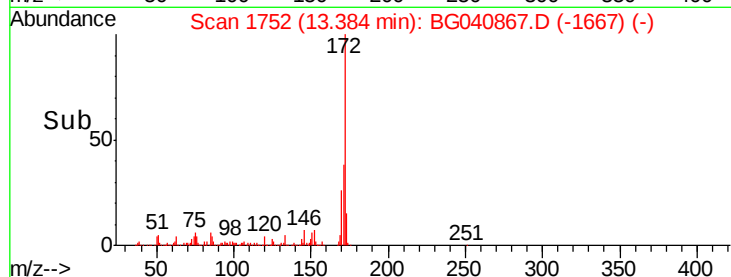
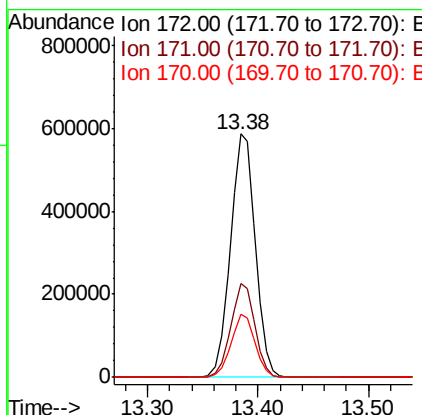
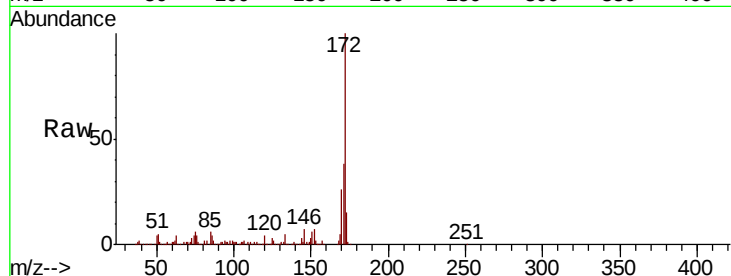
Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

Tgt Ion:	172	Resp:	923740
Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	25.9	19.9	29.9



#51

2,6-Dinitrotoluene

Concen: 7.938 ng

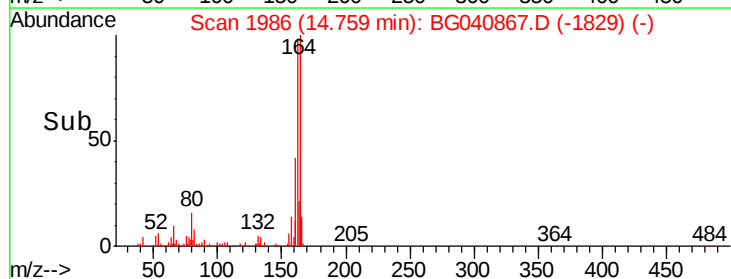
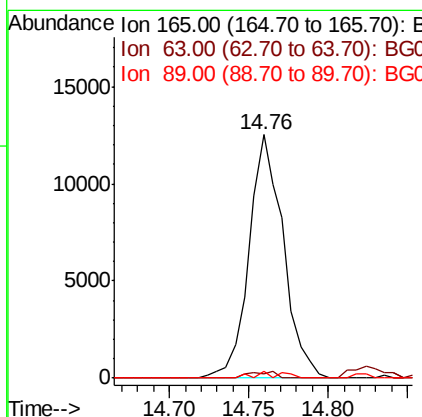
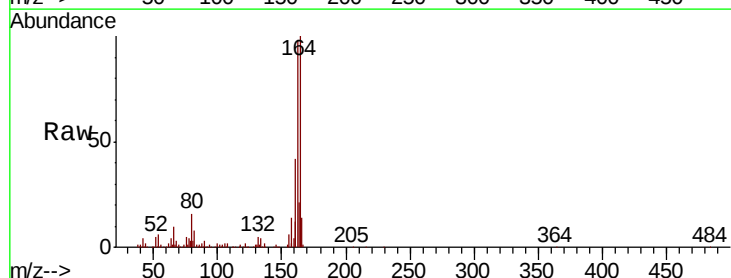
RT: 14.76 min Scan# 1986

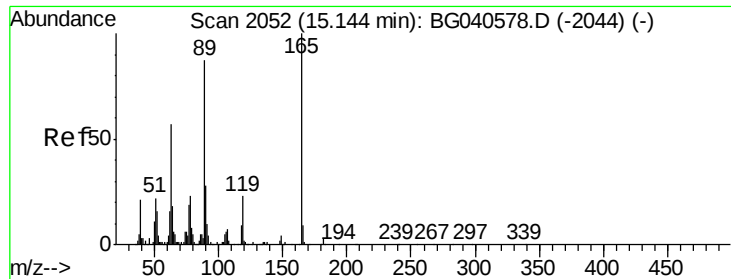
Delta R.T. 0.39 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Tgt Ion:	165	Resp:	18748
Ion	Ratio	Lower	Upper
165	100		
63	1.7	61.0	91.4#
89	2.8	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.842 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.39 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

Tgt Ion:165 Resp: 18748

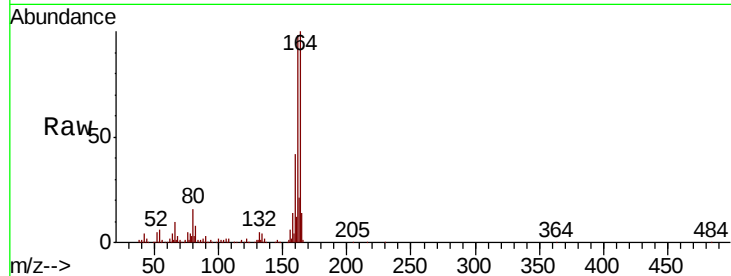
Ion Ratio Lower Upper

165 100

63 1.7 45.8 68.8#

89 2.8 69.4 104.2#

182 0.0 2.2 3.4#

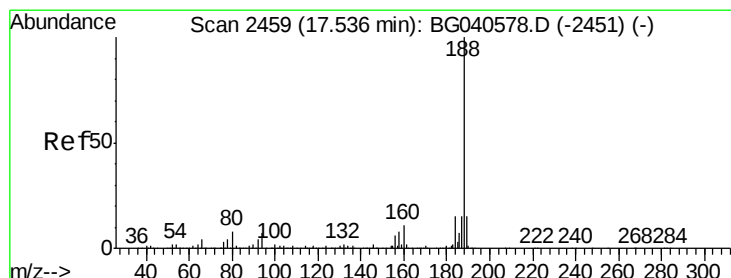
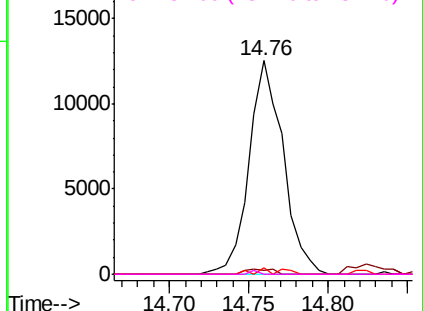
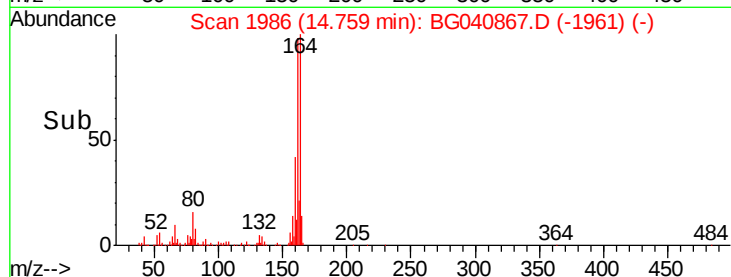


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2454

Delta R.T. -0.03 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

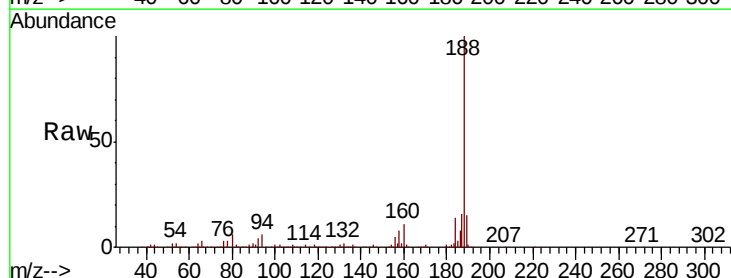
Tgt Ion:188 Resp: 407017

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

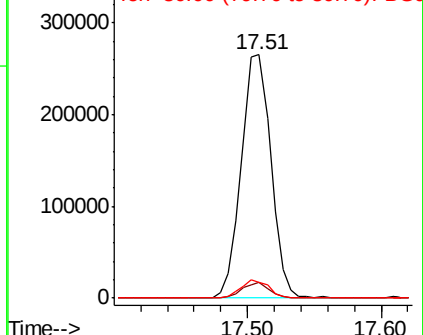
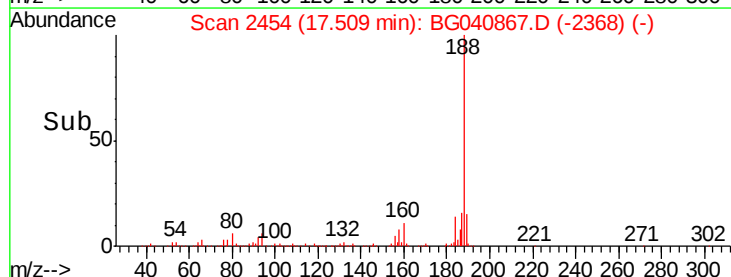
80 6.5 6.4 9.6

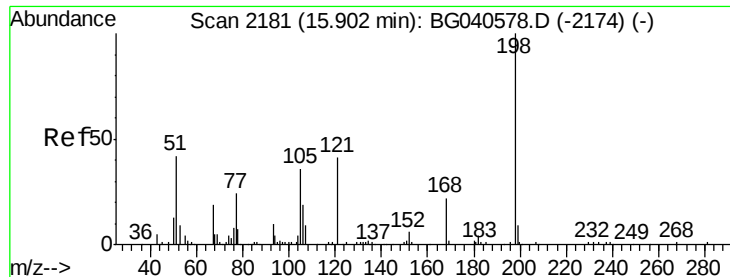


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.128 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.26 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

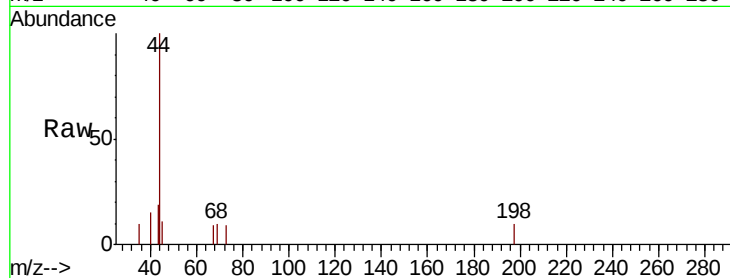
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

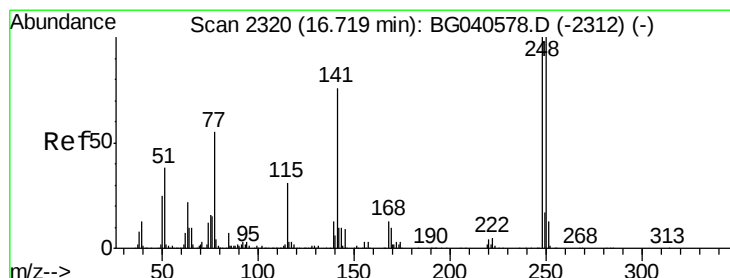
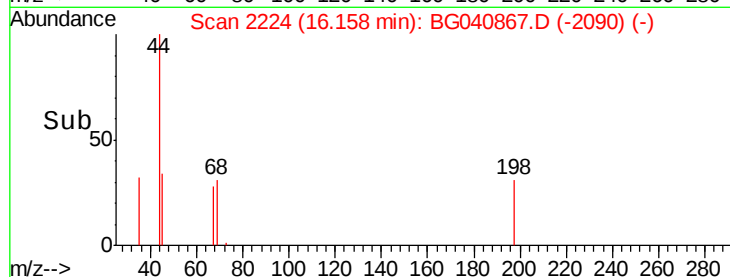
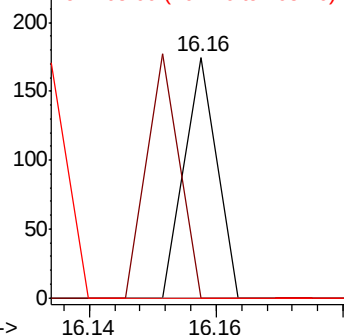
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.152 ng

RT: 16.25 min Scan# 2239

Delta R.T. -0.47 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

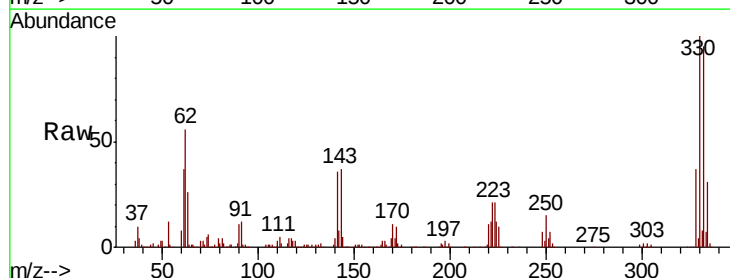
Tgt Ion:248 Resp: 26127

Ion Ratio Lower Upper

248 100

250 206.5 79.8 119.6#

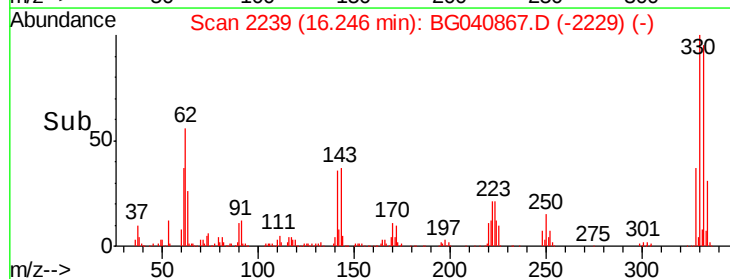
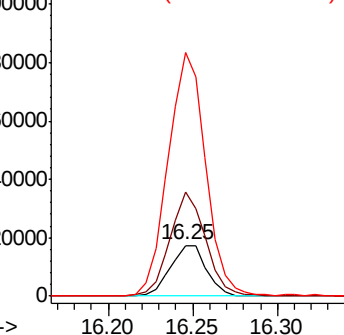
141 480.7 60.8 91.2#

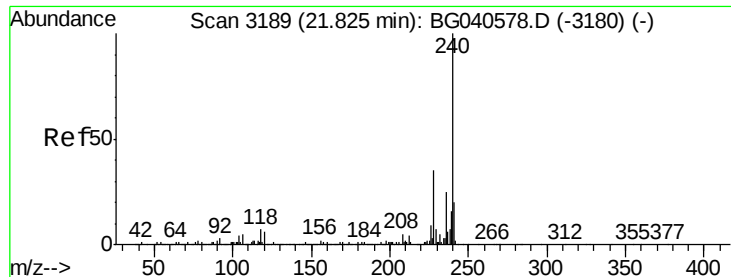


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

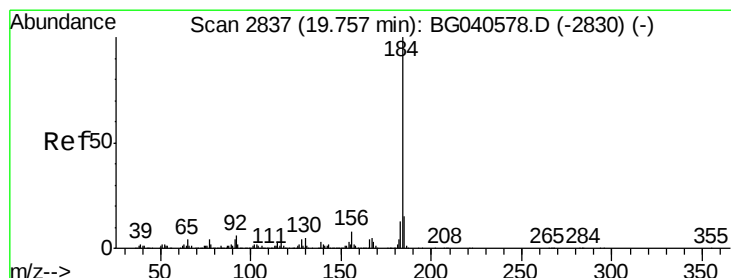
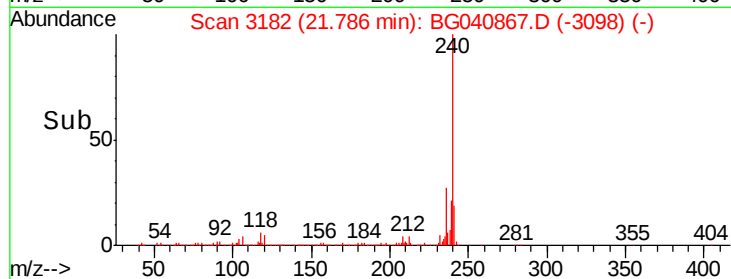
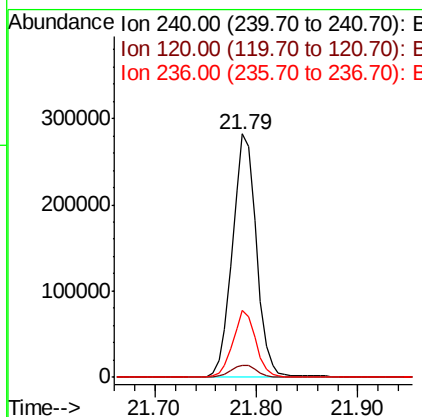
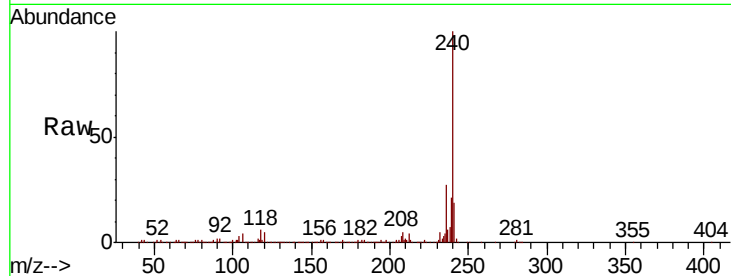




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3182
Delta R.T. -0.04 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

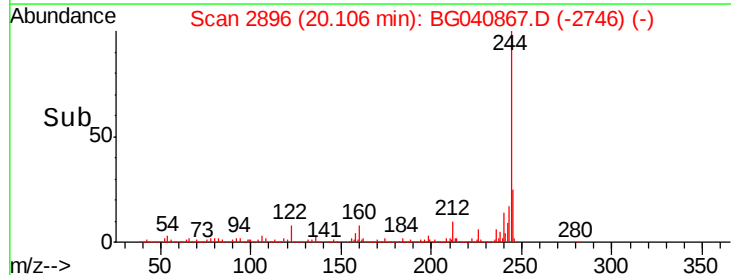
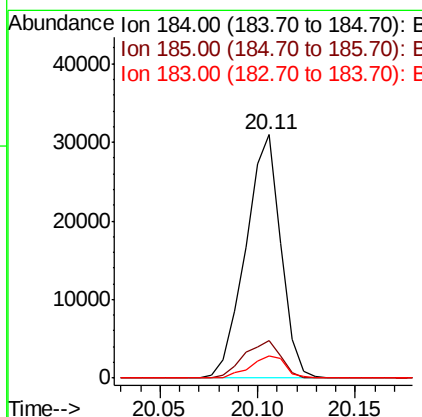
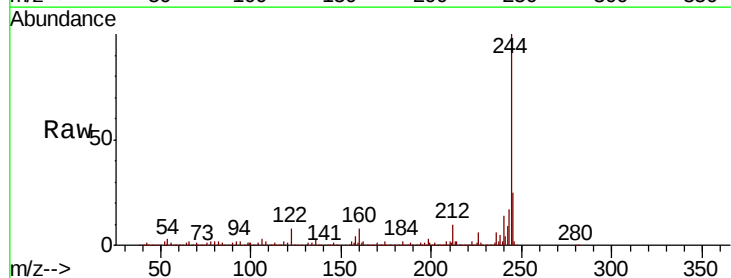
Instrument :
BNA_G
ClientSampleId :
P021-SS001-0002-02

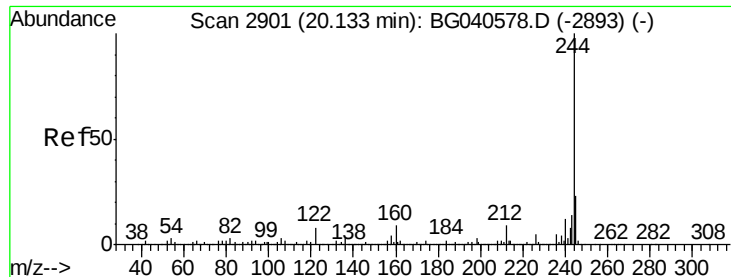
Tgt Ion:240 Resp: 465260
Ion Ratio Lower Upper
240 100
120 5.1 5.0 7.6
236 27.4 20.3 30.5



#77
Benzidine
Concen: 3.023 ng
RT: 20.11 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040867.D
Acq: 11 May 2019 4:54

Tgt Ion:184 Resp: 38511
Ion Ratio Lower Upper
184 100
185 15.4 11.8 17.8
183 9.3 10.2 15.2#





#79

Terphenyl-d14

Concen: 99.209 ng

RT: 20.11 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

Instrument :

BNA_G

ClientSampleId :

P021-SS001-0002-02

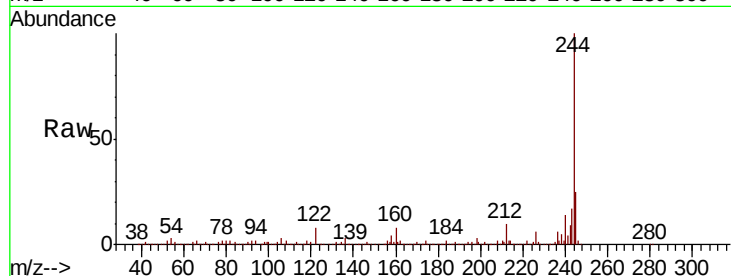
Tgt Ion:244 Resp: 2083479

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

122 7.7 6.6 10.0

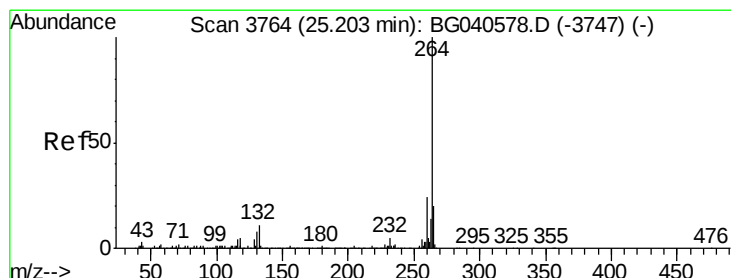
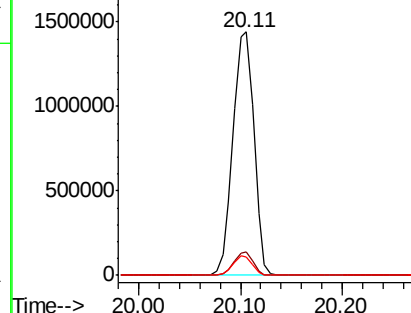
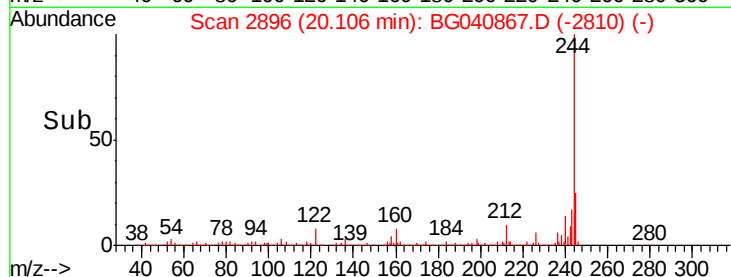


Abundance

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: 25.14 min Scan# 3752

Delta R.T. -0.07 min

Lab File: BG040867.D

Acq: 11 May 2019 4:54

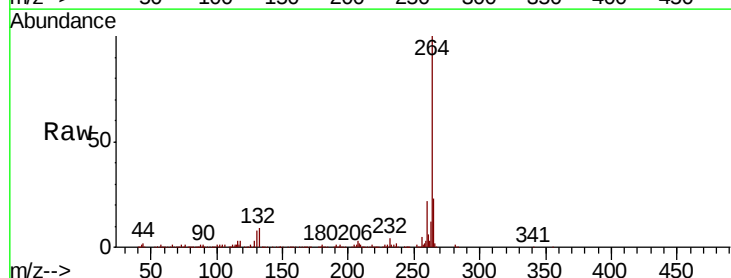
Tgt Ion:264 Resp: 475737

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 23.3 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

