

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040838.D
 Acq On : 10 May 2019 6:30
 Operator : HP/JU
 Sample : K2764-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-0612-01

Quant Time: May 10 07:08:44 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

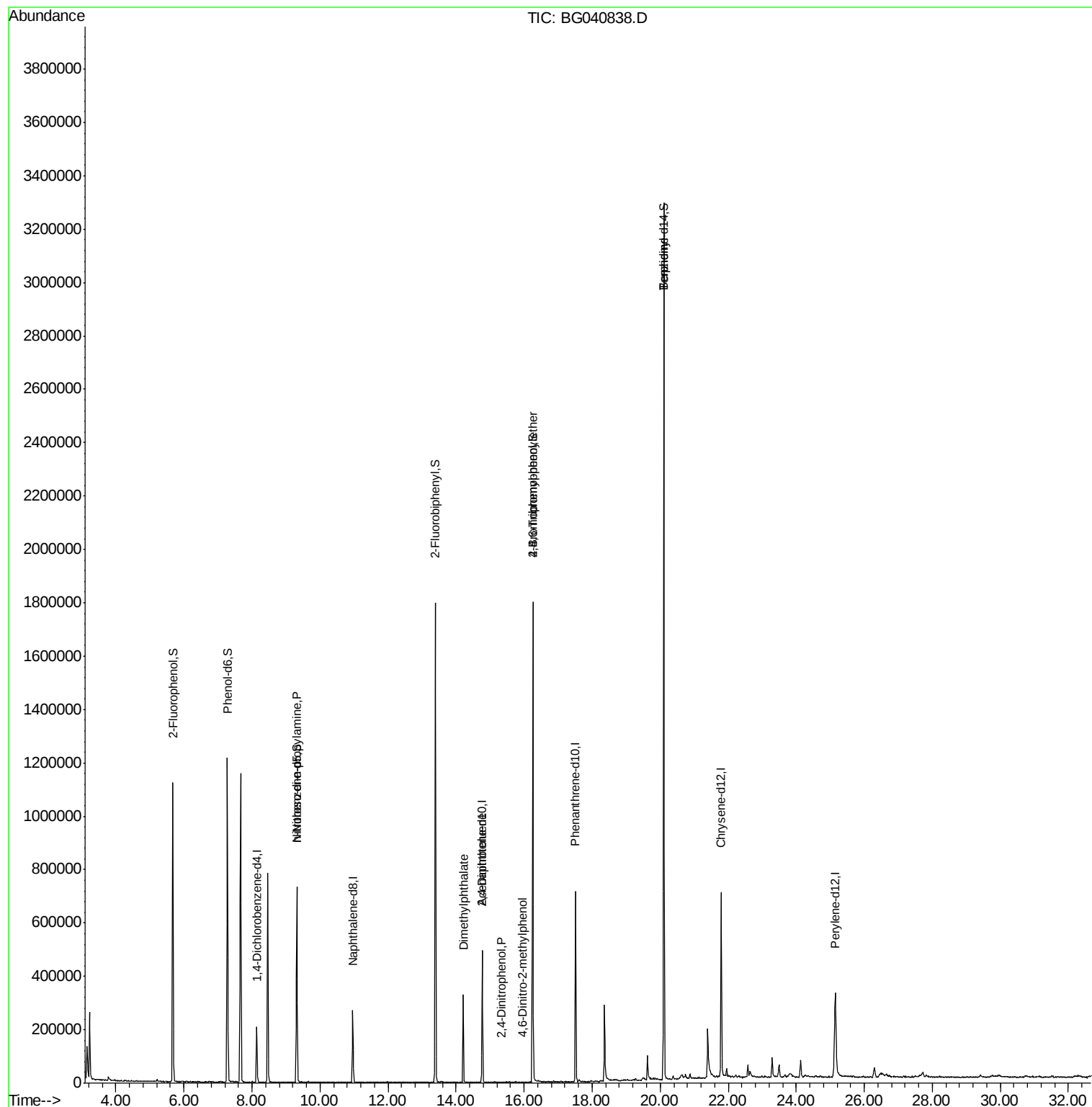
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	51539	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	221156	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	163512	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	430290	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	409345	20.00	ng	-0.03
87) Perylene-d12	25.15	264	416387	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	415077	141.97	ng	-0.01
7) Phenol-d6	7.28	99	636858	141.47	ng	-0.02
23) Nitrobenzene-d5	9.32	82	442123	92.37	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	333236	148.27	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	873562	77.16	ng	-0.02
79) Terphenyl-d14	20.11	244	1545905	83.67	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1634	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	63246	15.607	ng	# 75
50) Dimethylphthalate	14.21	163	200962	14.689	ng	# 98
54) 2,4-Dinitrophenol	15.34	184	54	7.047	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	20259	5.584	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.96	198	98	7.141	ng	# 28
67) 4-Bromophenyl-phenylether	16.25	248	24278	4.529	ng	# 1
77) Benzydine	20.11	184	26118	2.330	ng	# 90

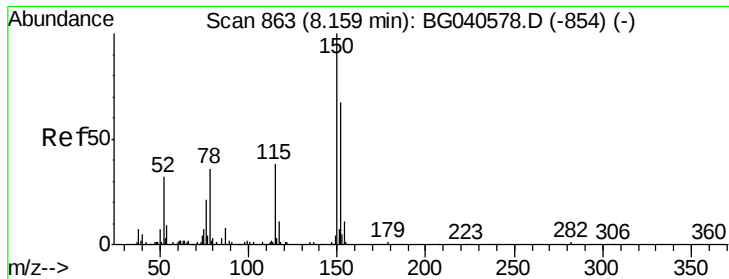
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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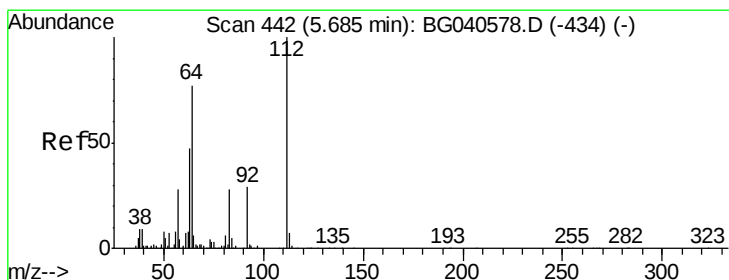
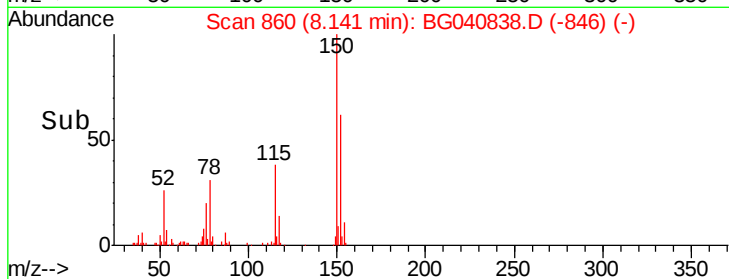
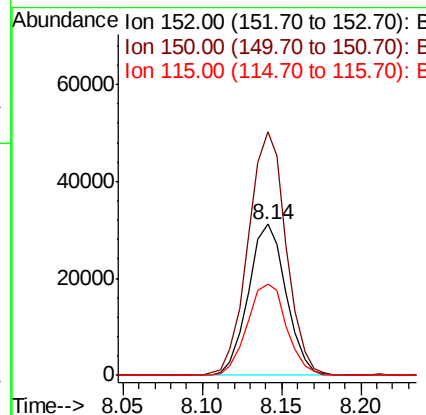
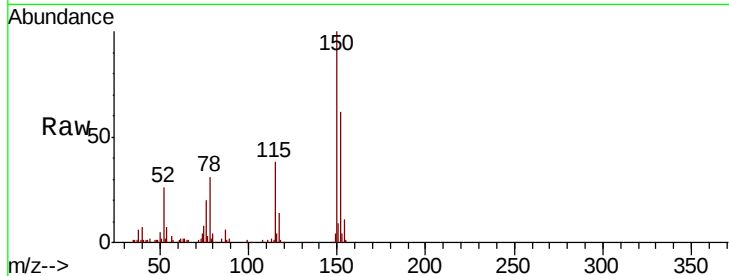


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-0612-01

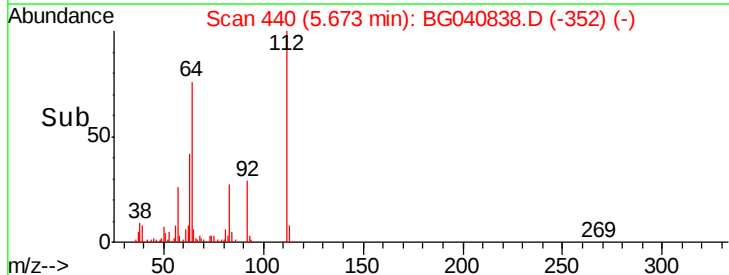
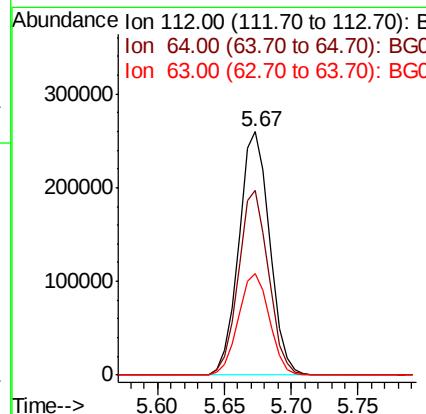
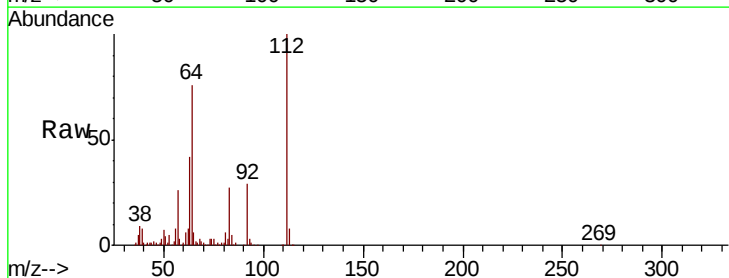
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.8	120.2	180.2
115	60.4	46.2	69.2

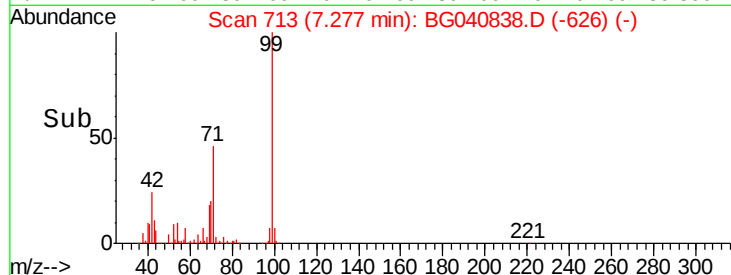
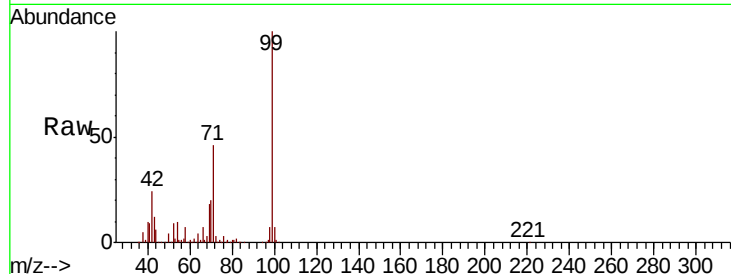


#5

2-Fluorophenol
 Concen: 141.967 ng
 RT: 5.67 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.9	61.4	92.0
63	41.8	37.8	56.6





#7

Phenol-d6

Concen: 141.469 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

Instrument :

BNA_G

ClientSampleId :

P021-SS008-0612-01

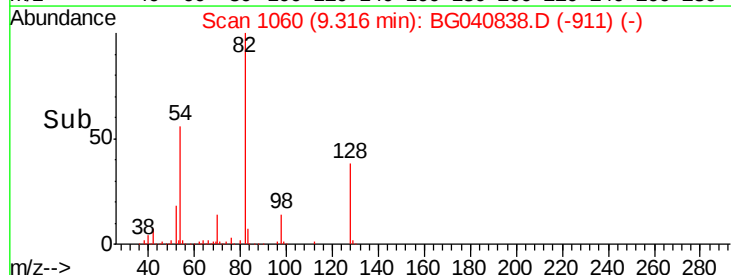
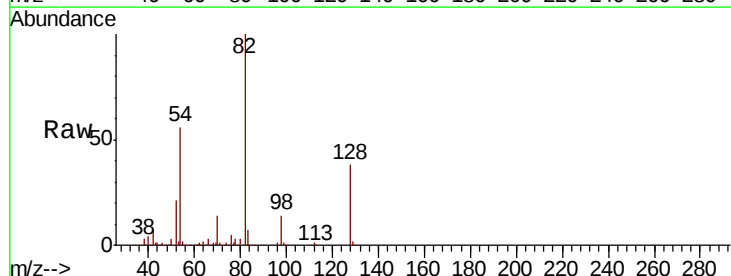
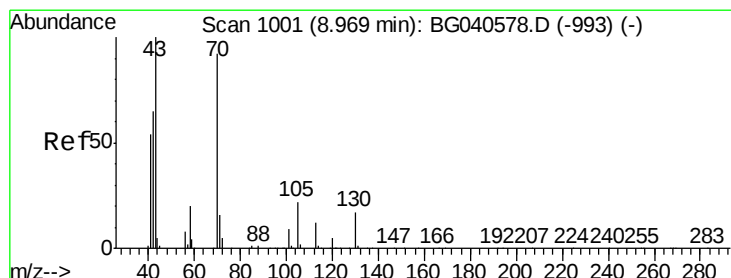
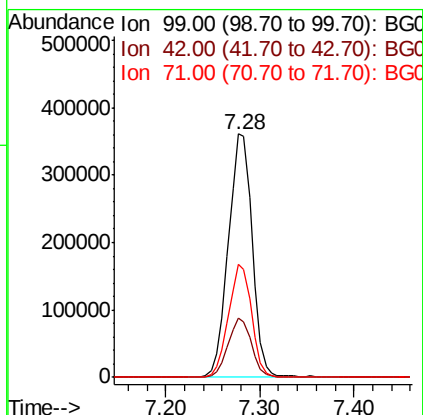
Tgt Ion: 99 Resp: 636858

Ion Ratio Lower Upper

99 100

42 24.2 21.8 32.8

71 46.4 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.607 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

Tgt Ion: 70 Resp: 63246

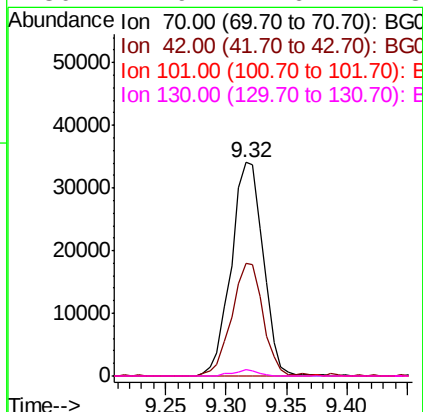
Ion Ratio Lower Upper

70 100

42 52.5 57.1 85.7#

101 0.0 7.8 11.8#

130 2.9 14.6 21.8#

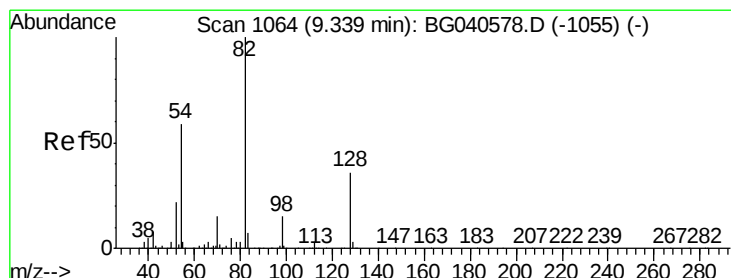
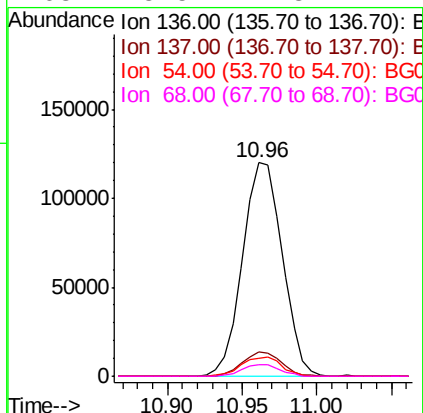
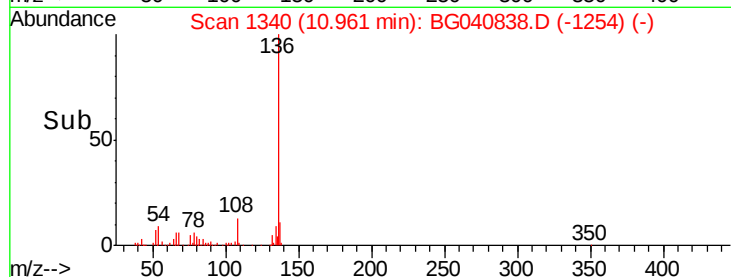
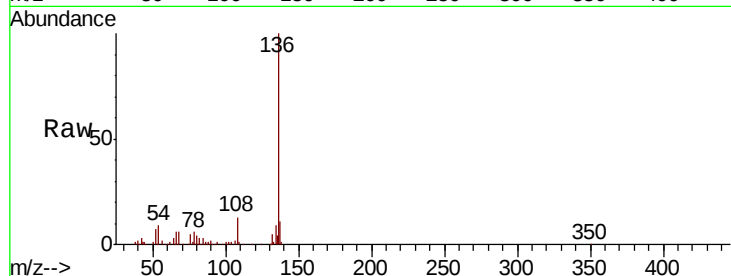




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040838.D
Acq: 10 May 2019 6:30

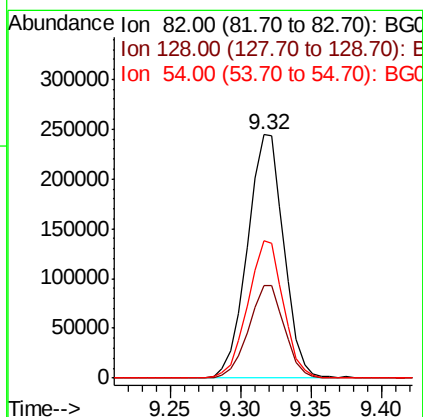
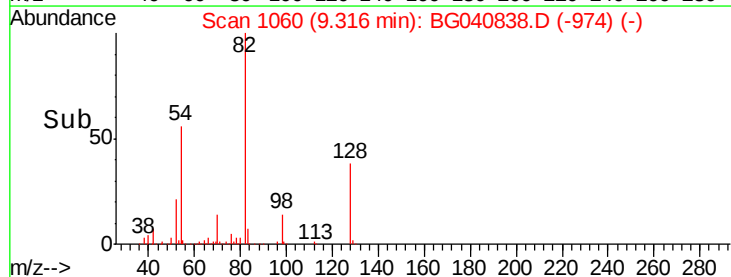
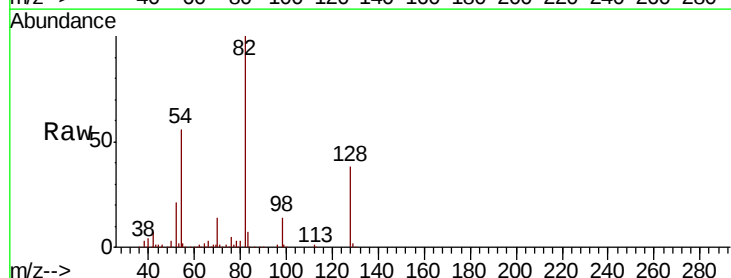
Instrument :
BNA_G
ClientSampleId :
P021-SS008-0612-01

Tgt Ion:	136	Resp:	221156
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	8.5	8.6	12.8#
68	5.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 92.373 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040838.D
Acq: 10 May 2019 6:30

Tgt Ion:	82	Resp:	442123
Ion	Ratio	Lower	Upper
82	100		
128	38.0	28.9	43.3
54	56.3	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: BG040838.D

Acq: 10 May 2019 6:30

Instrument :

BNA_G

ClientSampleId :

P021-SS008-0612-01

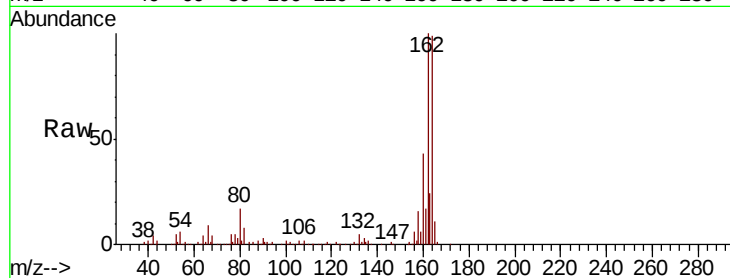
Tgt Ion:164 Resp: 163512

Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

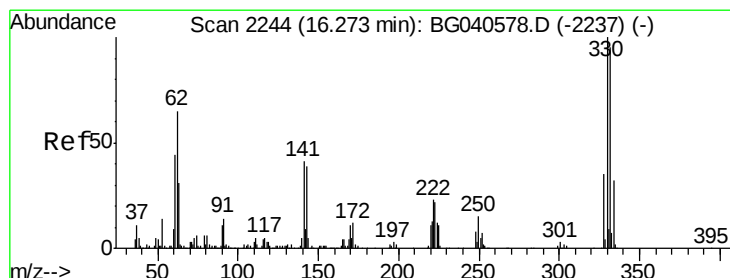
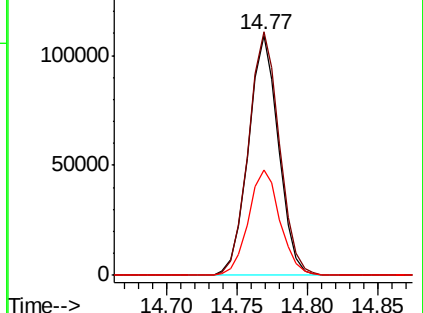
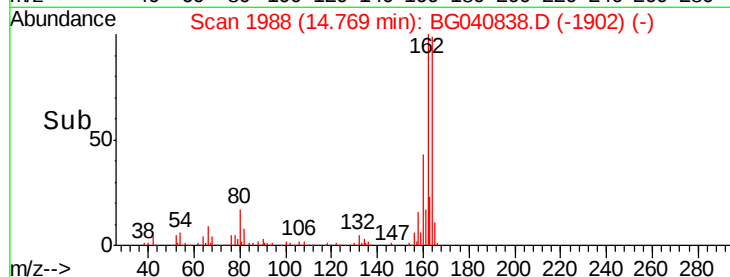
160 43.7 35.4 53.2



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: 148.269 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

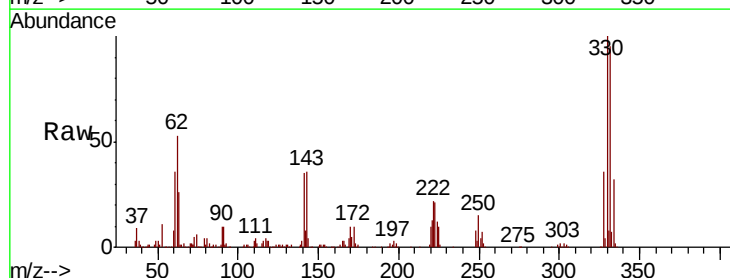
Tgt Ion:330 Resp: 333236

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

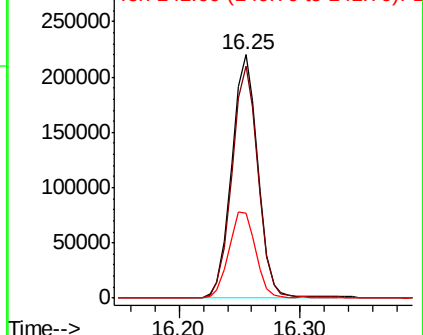
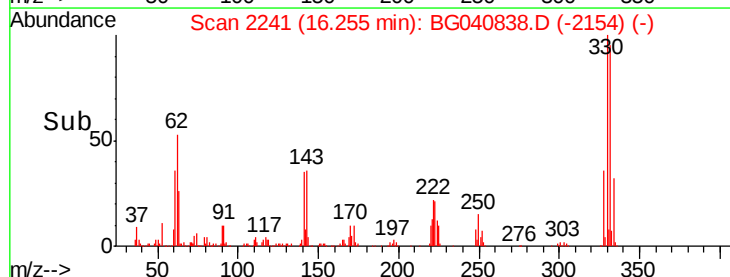
141 36.2 32.4 48.6

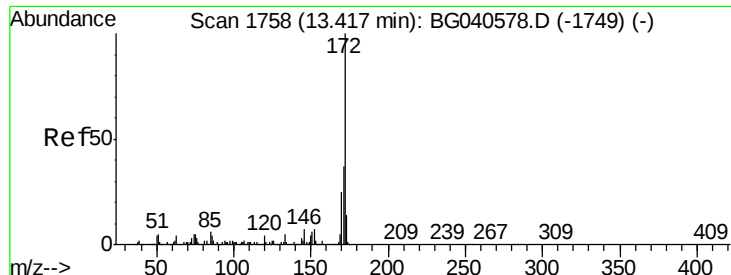


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

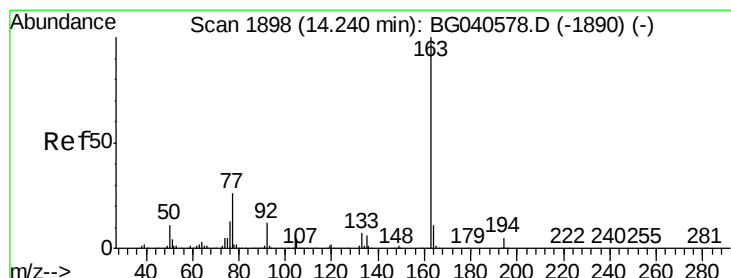
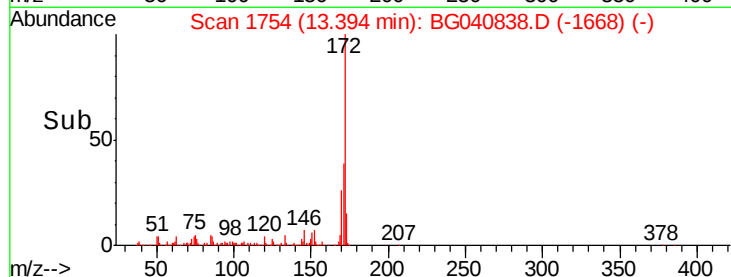
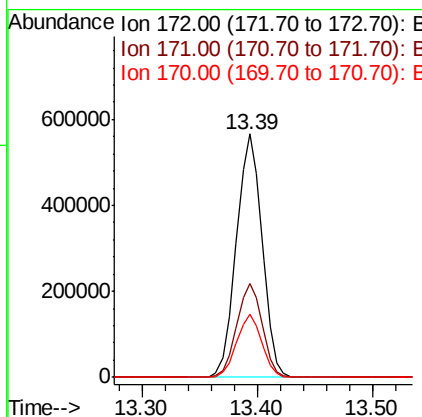
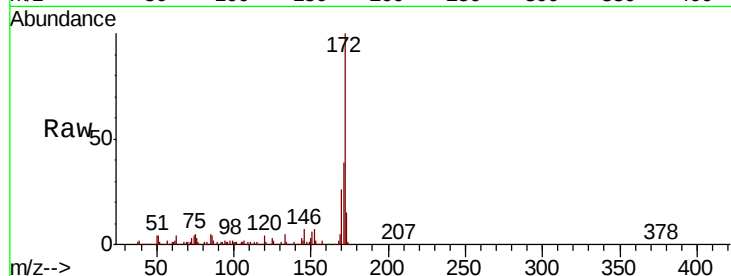




#45
 2-Fluorobiphenyl
 Concen: 77.156 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

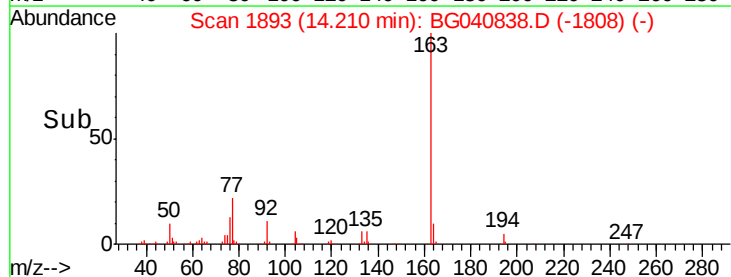
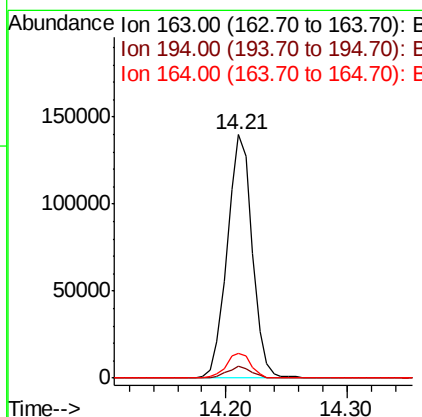
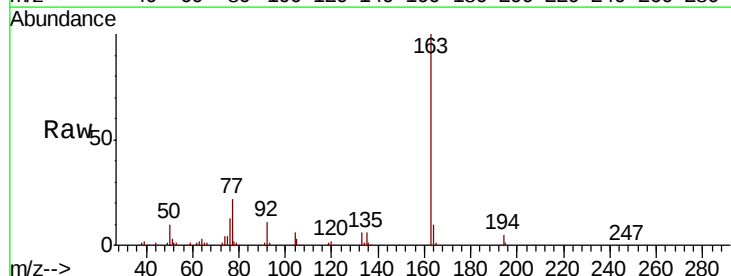
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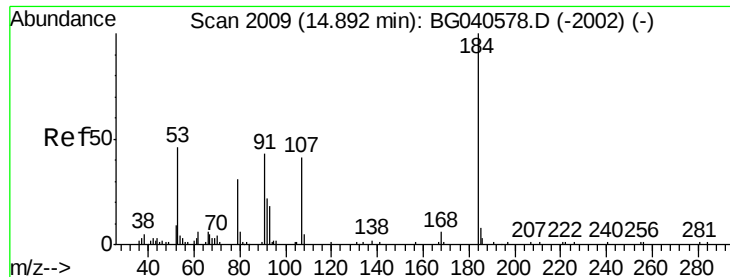
Tgt Ion:	172	Resp:	873562
Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.4	44.2
170	25.8	19.9	29.9



#50
 Dimethylphthalate
 Concen: 14.689 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

Tgt Ion:	163	Resp:	200962
Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.8	5.8
164	10.1	8.8	13.2

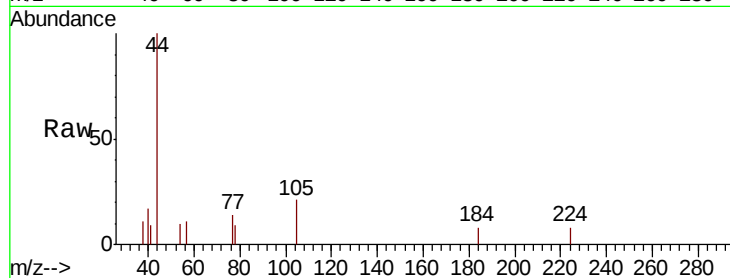




#54
2,4-Dinitrophenol
Concen: 7.047 ng
RT: 15.34 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG040838.D
Acq: 10 May 2019 6:30

Instrument :
BNA_G
ClientSampleId :
P021-SS008-0612-01

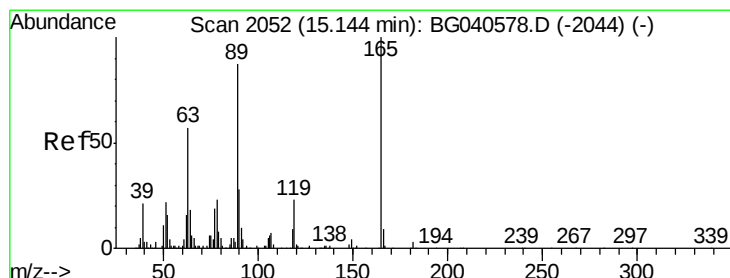
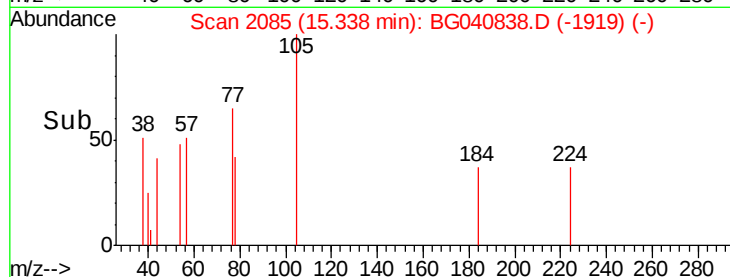
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

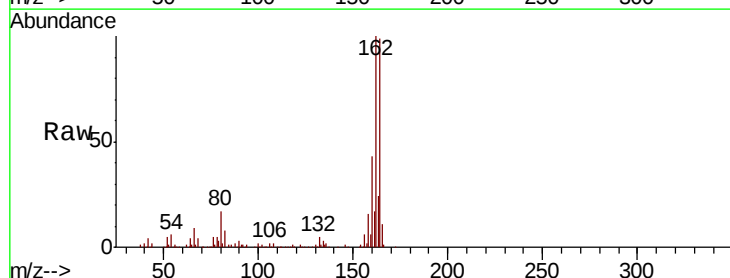
15.34

Time--> 15.32 15.34



#57
2,4-Dinitrotoluene
Concen: 5.584 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040838.D
Acq: 10 May 2019 6:30

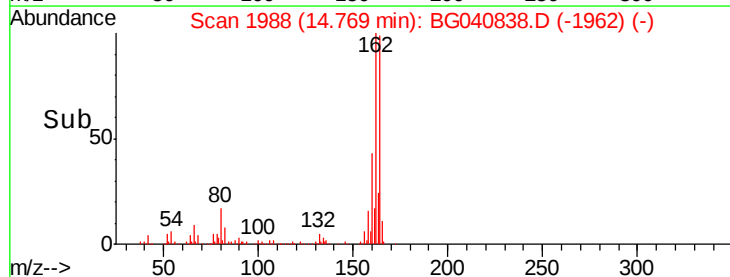
Tgt Ion:165 Resp: 20259
Ion Ratio Lower Upper
165 100
63 2.6 45.8 68.8#
89 2.6 69.4 104.2#
182 0.0 2.2 3.4#

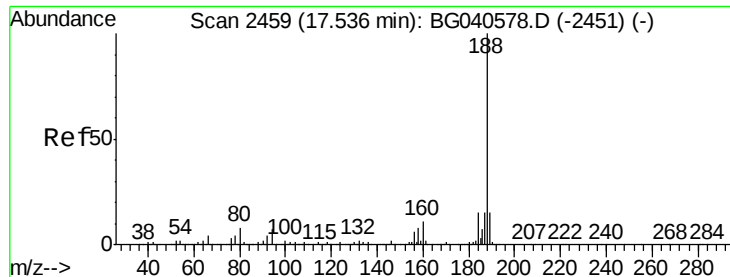


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.77

Time--> 14.70 14.75 14.80





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

Instrument :

BNA_G

ClientSampleId :

P021-SS008-0612-01

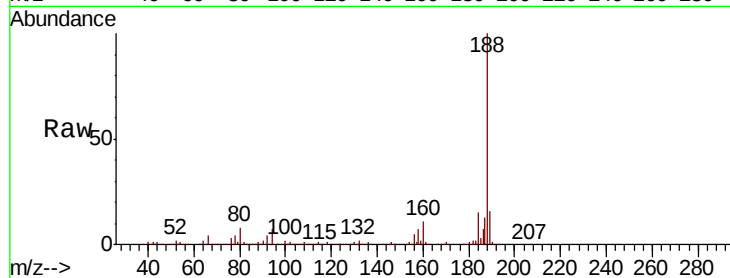
Tgt Ion:188 Resp: 430290

Ion Ratio Lower Upper

188 100

94 6.6 5.6 8.4

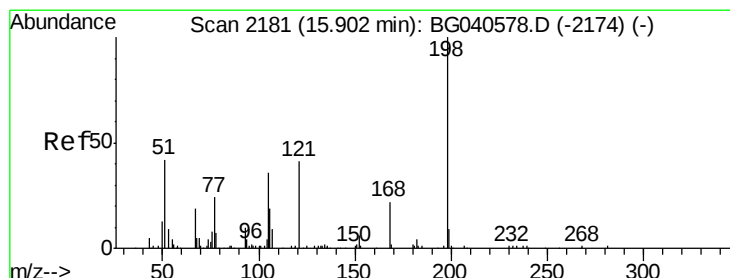
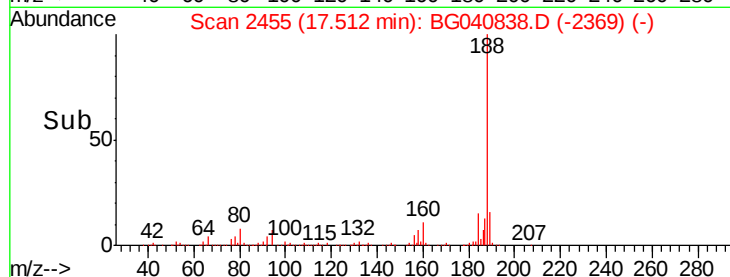
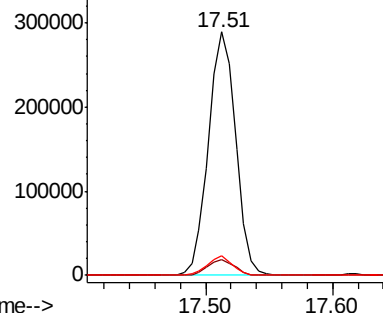
80 7.9 6.4 9.6



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: 7.141 ng

RT: 15.96 min Scan# 2191

Delta R.T. 0.06 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

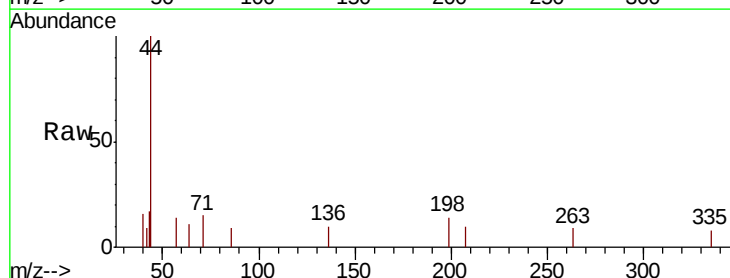
Tgt Ion:198 Resp: 98

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

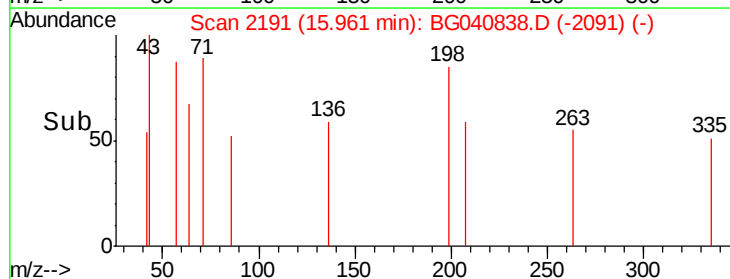
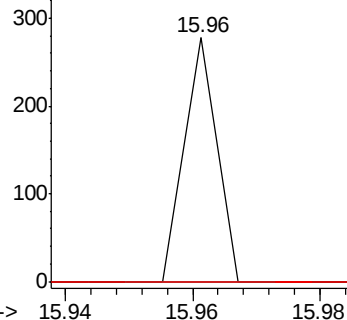
105 0.0 21.2 61.2#

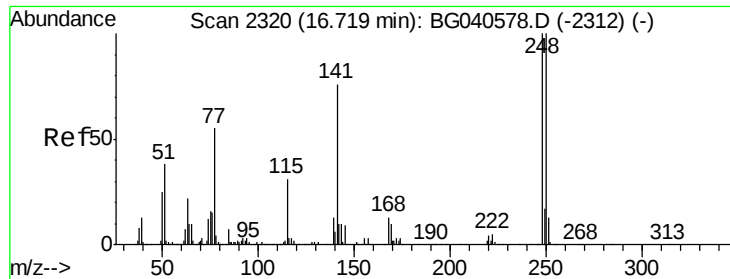


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

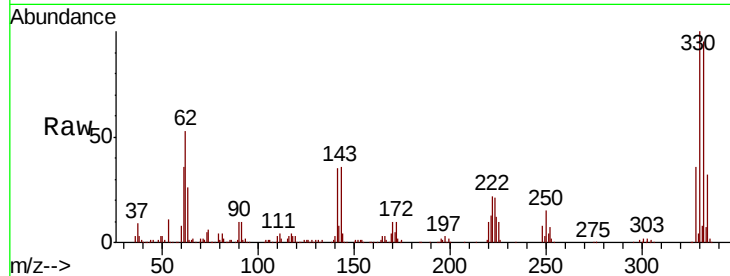




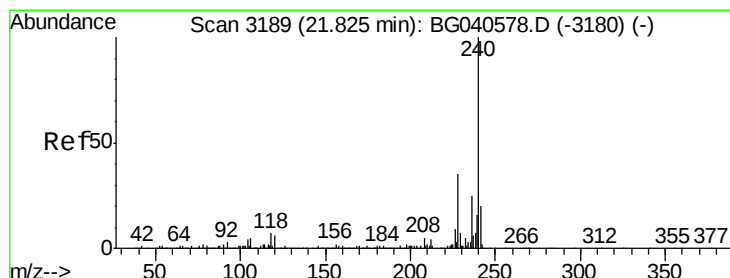
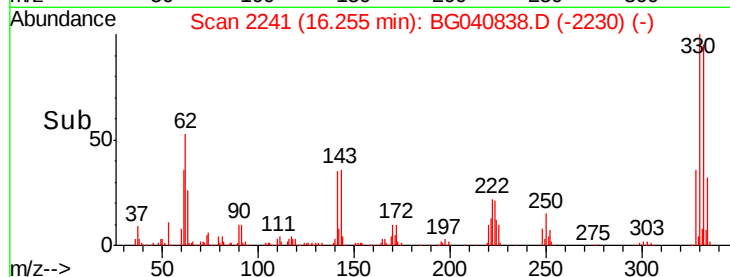
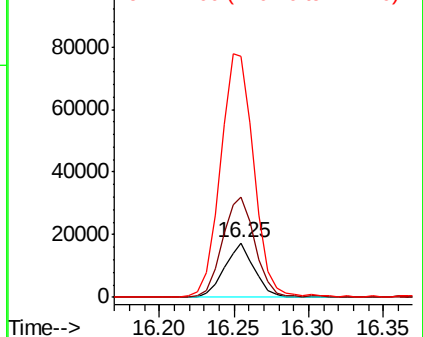
#67
 4-Bromophenyl-phenylether
 Concen: 4.529 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS008-0612-01

Tgt Ion:248 Resp: 24278
 Ion Ratio Lower Upper
 248 100
 250 184.5 79.8 119.6#
 141 441.9 60.8 91.2#

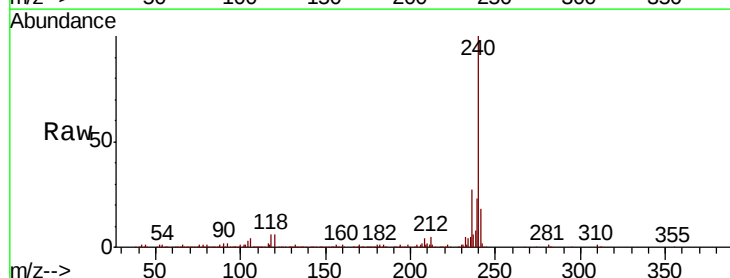


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

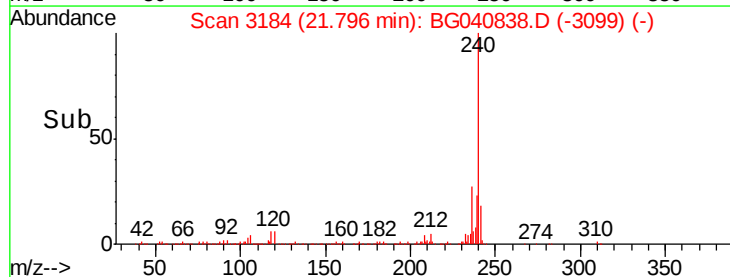
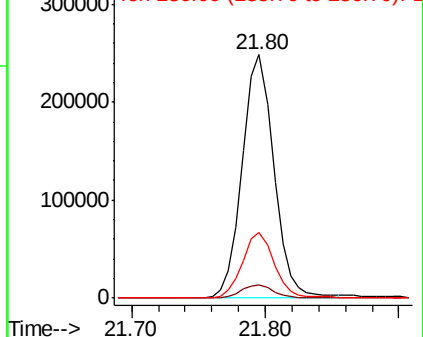


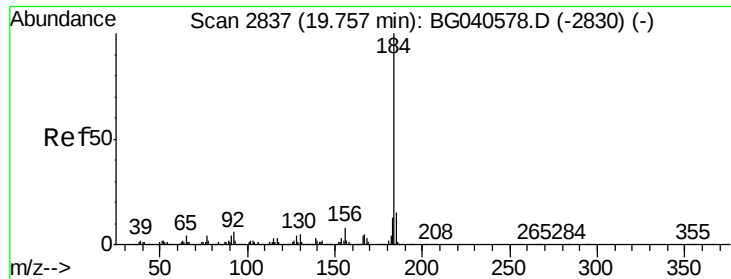
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040838.D
 Acq: 10 May 2019 6:30

Tgt Ion:240 Resp: 409345
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.0 7.6
 236 26.8 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: 2.330 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

Instrument :

BNA_G

ClientSampleId :

P021-SS008-0612-01

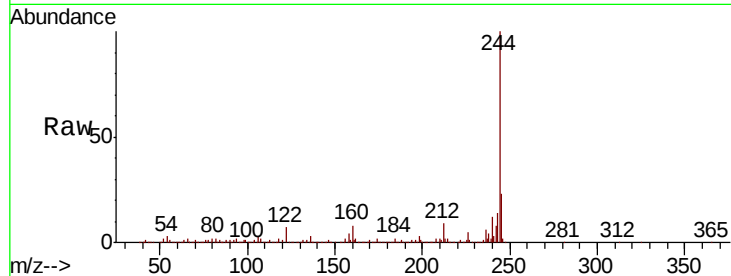
Tgt Ion:184 Resp: 26118

Ion Ratio Lower Upper

184 100

185 19.2 11.8 17.8#

183 8.7 10.2 15.2#

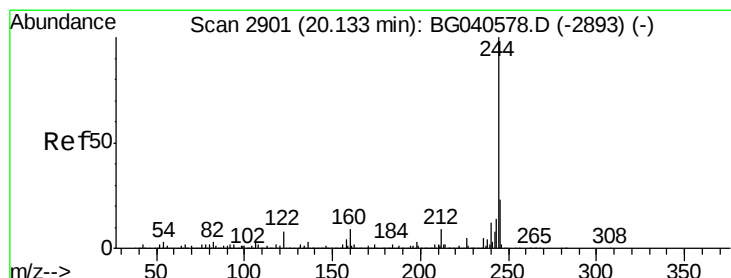
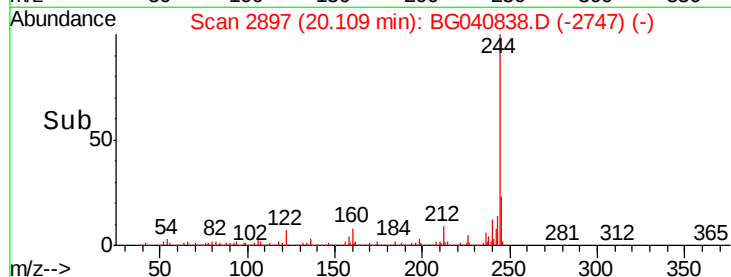
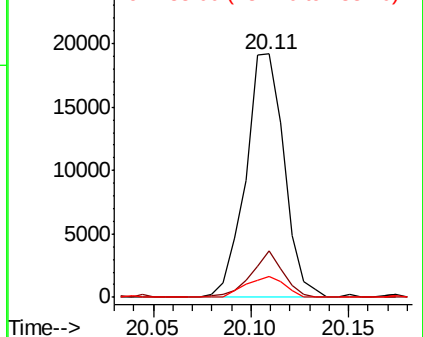


Abundance

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: 83.666 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040838.D

Acq: 10 May 2019 6:30

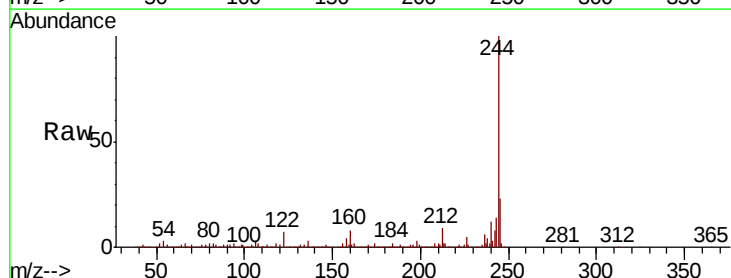
Tgt Ion:244 Resp: 1545905

Ion Ratio Lower Upper

244 100

212 9.0 7.2 10.8

122 7.5 6.6 10.0

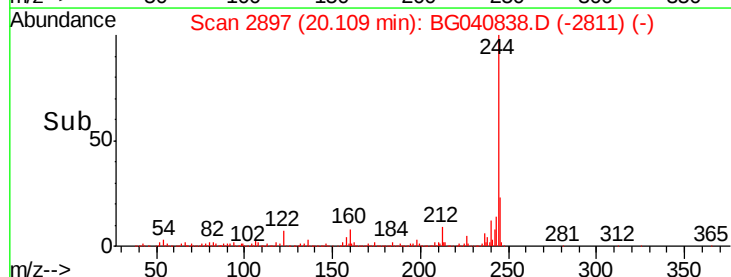
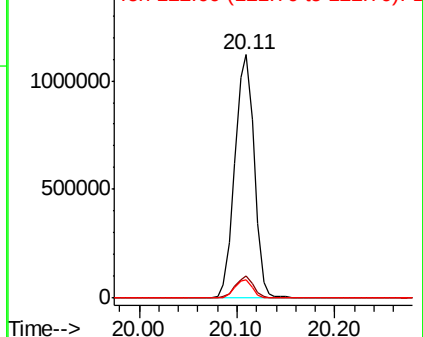


Abundance

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: BG040838.D
Acq: 10 May 2019 6:30

Instrument :
BNA_G
ClientSampleId :
P021-SS008-0612-01

Tgt Ion:	264	Resp:	416387
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.0	16.6	25.0

