

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
 Data File : BG050506.D
 Acq On : 8 Oct 2021 12:38
 Operator : CG/JU
 Sample : M4112-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1-SLAB

Quant Time: Oct 08 13:28:04 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

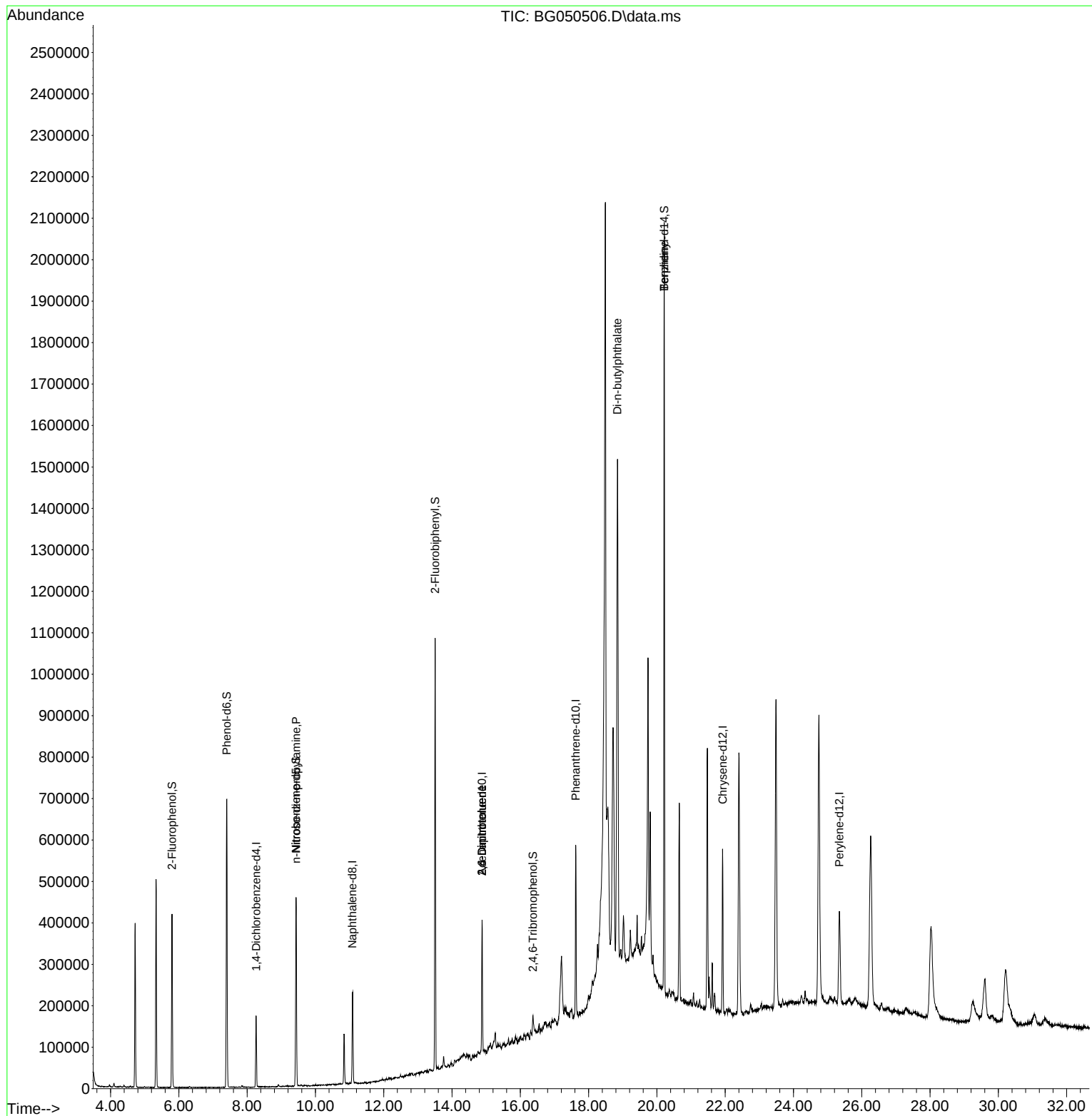
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	43675	20.000	ng	0.00
21) Naphthalene-d8	11.084	136	180322	20.000	ng	# 0.00
39) Acenaphthene-d10	14.880	164	114383	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	254451	20.000	ng	# 0.00
76) Chrysene-d12	21.925	240	235358	20.000	ng	# 0.00
86) Perylene-d12	25.344	264	236630	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.802	112	176579	60.465	ng	0.01
7) Phenol-d6	7.401	99	395580	93.558	ng	0.00
23) Nitrobenzene-d5	9.433	82	299785	68.820	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	11683	10.708	ng	0.00
45) 2-Fluorobiphenyl	13.505	172	513091	67.512	ng	0.00
79) Terphenyl-d14	20.215	244	796786	65.976	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.401	77	1119	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.439	70	42679	13.849	ng	# 69
51) 2,6-Dinitrotoluene	14.880	165	15004	8.664	ng	# 13
57) 2,4-Dinitrotoluene	14.880	165	15004	6.147	ng	# 18
74) Di-n-butylphthalate	18.846	149	858486	55.086	ng	# 88
77) Benzidine	20.215	184	16882	2.213	ng	# 74

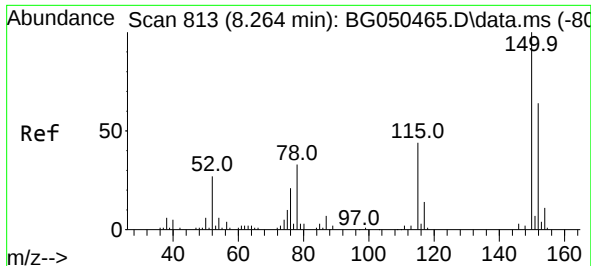
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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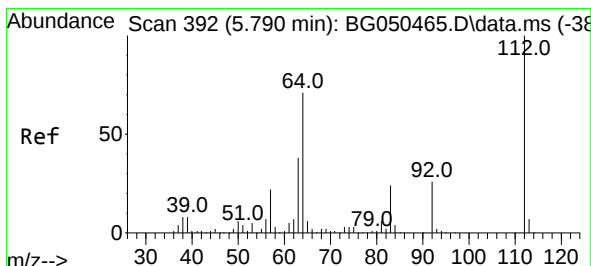
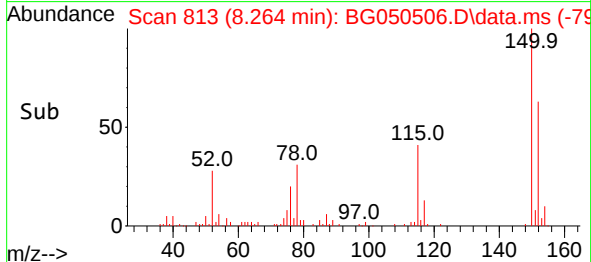
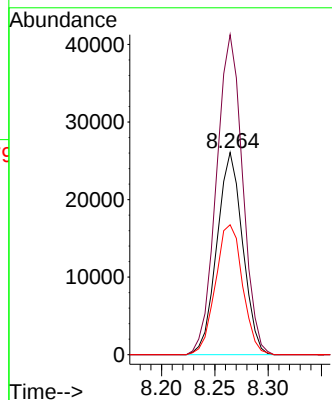
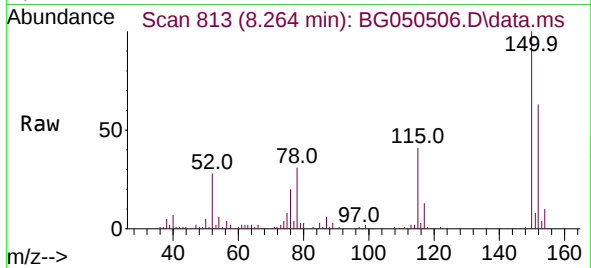




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

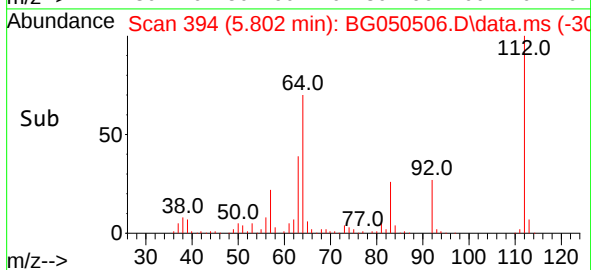
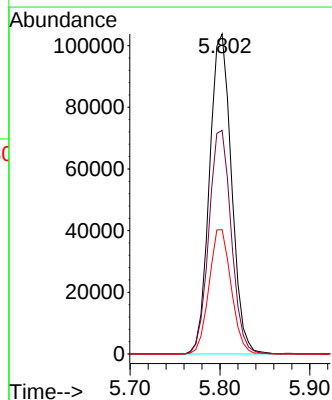
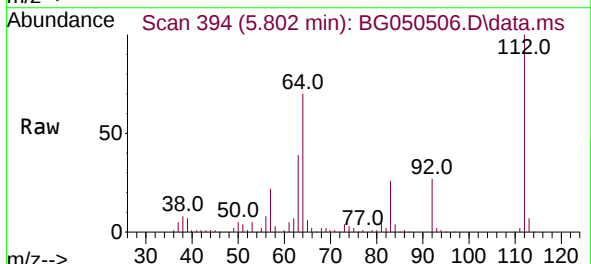
Instrument :
BNA_G
ClientSampled :
1-SLAB

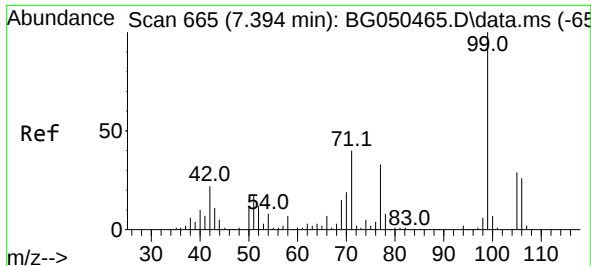
Tgt Ion:152 Resp: 43675
Ion Ratio Lower Upper
152 100
150 158.3 119.4 179.0
115 64.3 60.2 90.4



#5
2-Fluorophenol
Concen: 60.465 ng
RT: 5.802 min Scan# 394
Delta R.T. 0.012 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:112 Resp: 176579
Ion Ratio Lower Upper
112 100
64 69.8 46.7 70.1
63 38.8 35.3 52.9

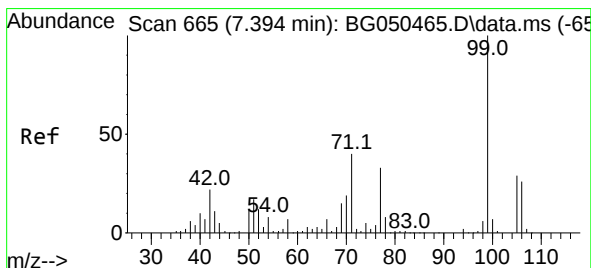
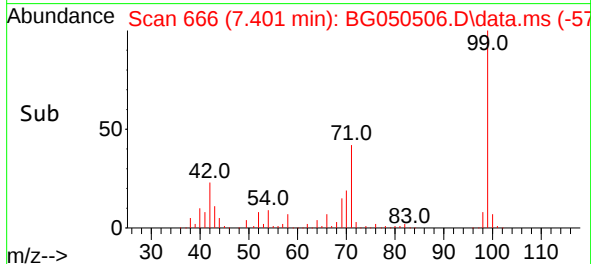
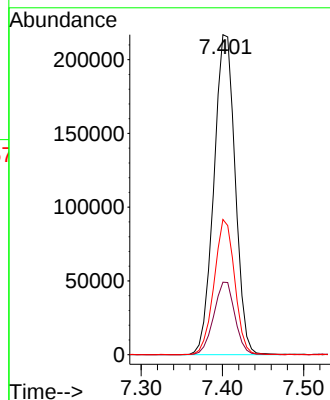
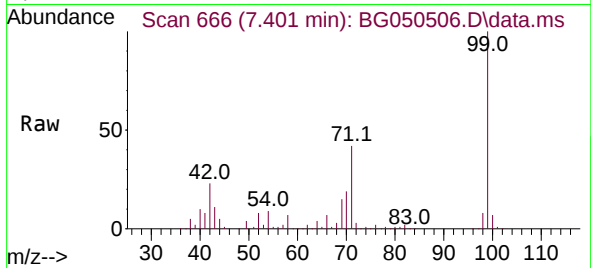




#7
Phenol-d6
Concen: 93.558 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

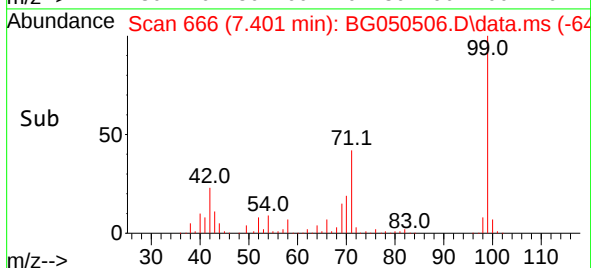
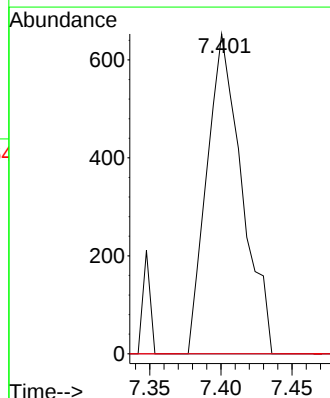
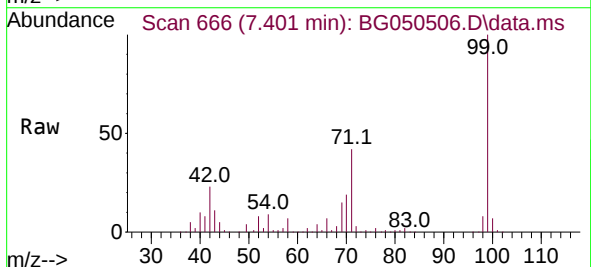
Instrument :
BNA_G
ClientSampleId :
1-SLAB

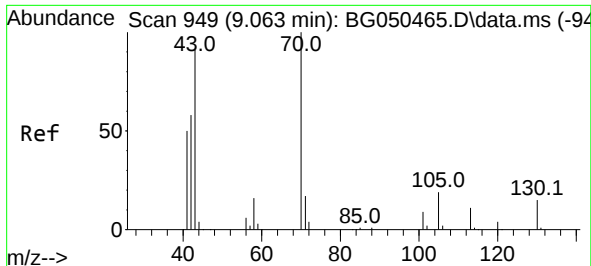
Tgt Ion: 99 Resp: 395580
Ion Ratio Lower Upper
99 100
42 22.6 20.5 30.7
71 42.3 41.5 62.3



#9
Benzaldehyde
Concen: Below Cal
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion: 77 Resp: 1119
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

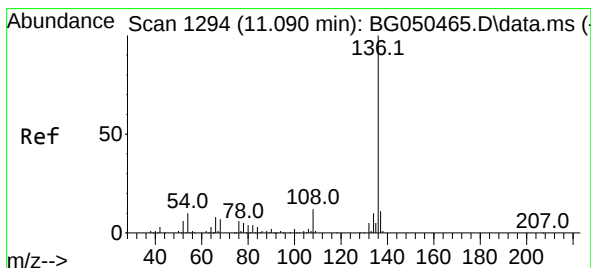
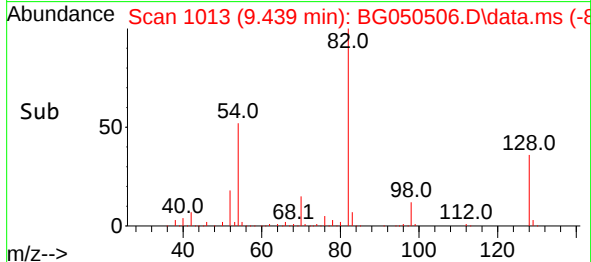
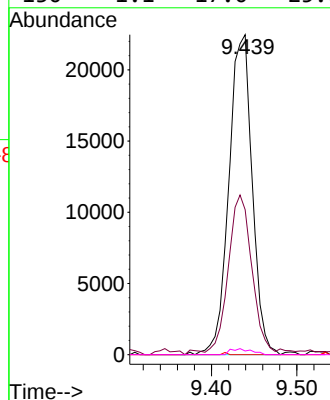
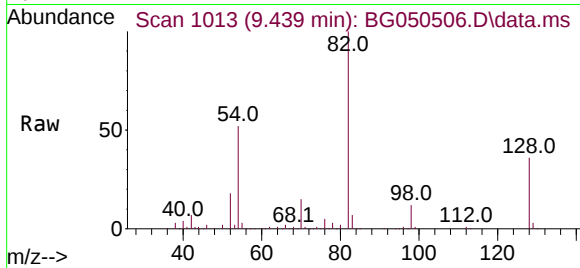




#19
n-Nitroso-di-n-propylamine
Concen: 13.849 ng
RT: 9.439 min Scan# 1013
Delta R.T. 0.377 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

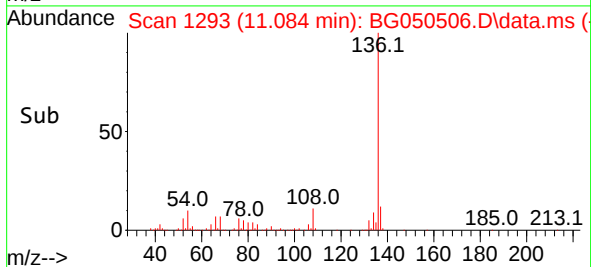
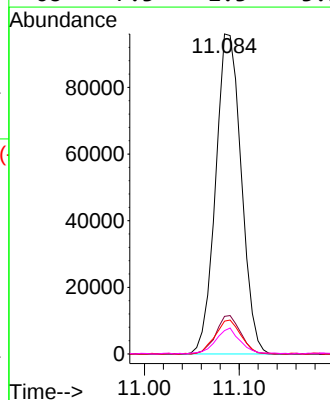
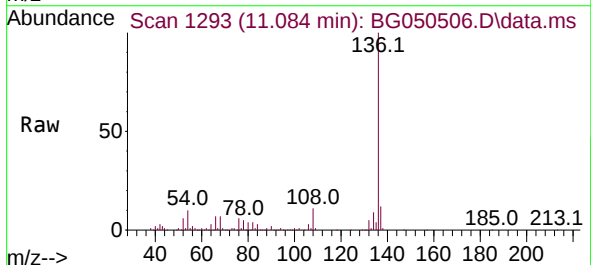
Instrument :
BNA_G
ClientSampled :
1-SLAB

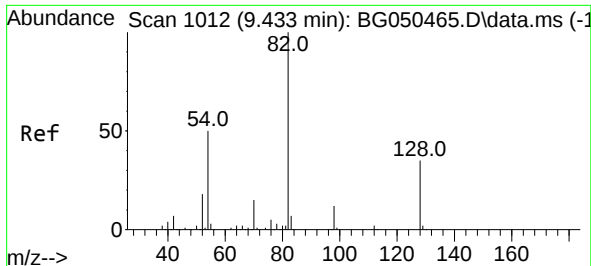
Tgt Ion: 70 Resp: 42679
Ion Ratio Lower Upper
70 100
42 45.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.1 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.084 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:136 Resp: 180322
Ion Ratio Lower Upper
136 100
137 11.7 8.2 12.2
54 10.3 5.5 8.3#
68 7.3 2.3 3.5#

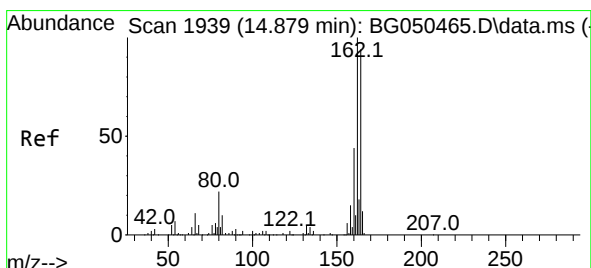
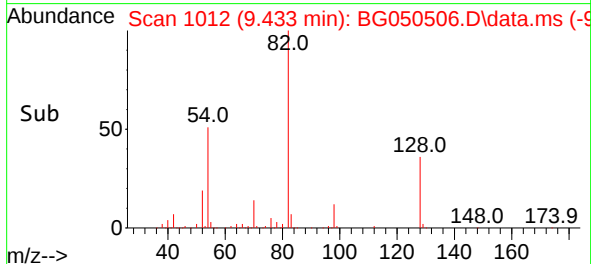
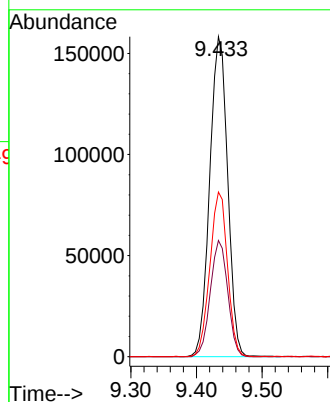
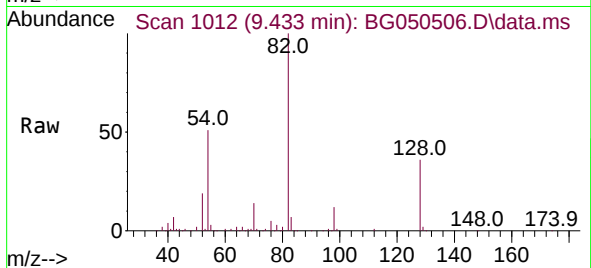




#23
Nitrobenzene-d5
Concen: 68.820 ng
RT: 9.433 min Scan# 1012
Delta R.T. 0.001 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

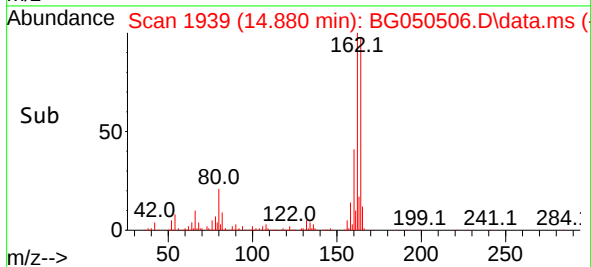
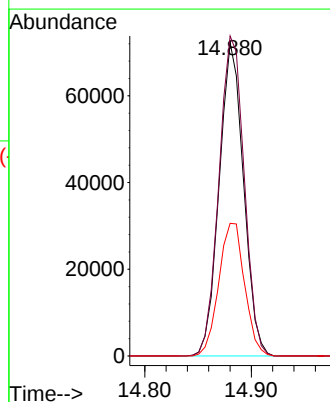
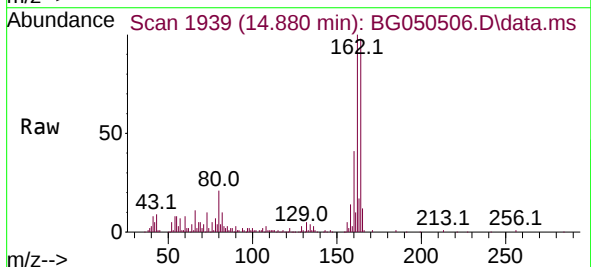
Instrument :
BNA_G
ClientSampled :
1-SLAB

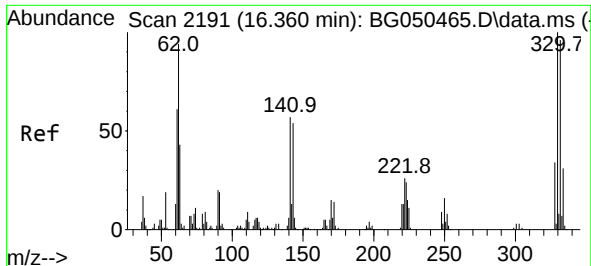
Tgt Ion: 82 Resp: 299785
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.6
54 51.4 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.880 min Scan# 1939
Delta R.T. 0.001 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:164 Resp: 114383
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 42.3 34.9 52.3

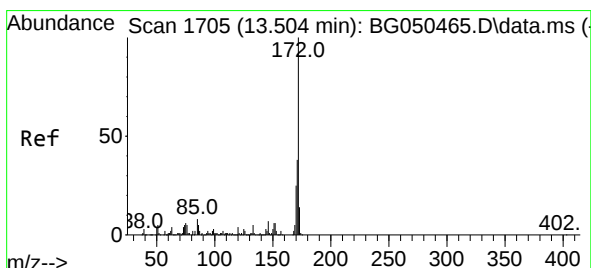
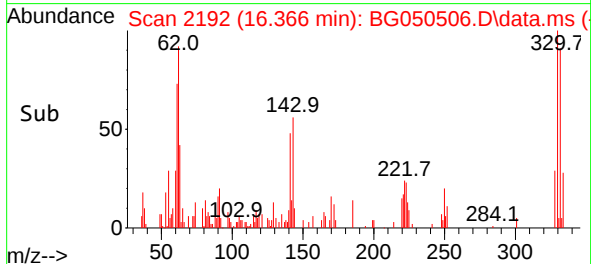
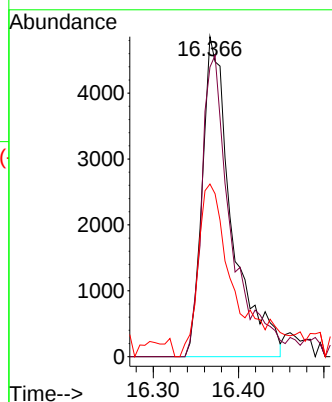
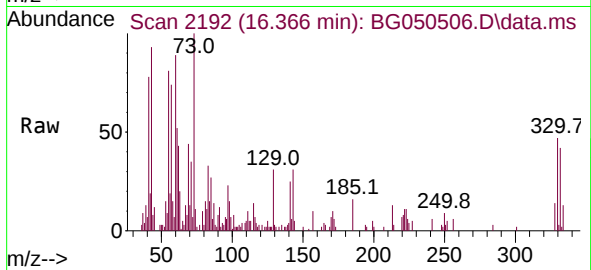




#42
2,4,6-Tribromophenol
Concen: 10.708 ng
RT: 16.366 min Scan# 2192
Delta R.T. 0.007 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

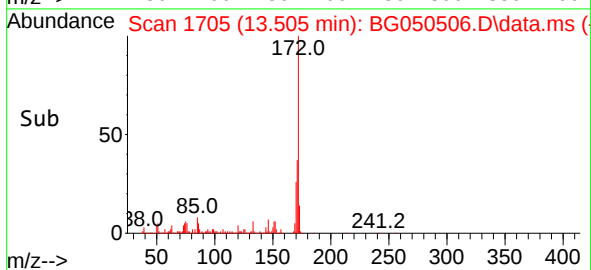
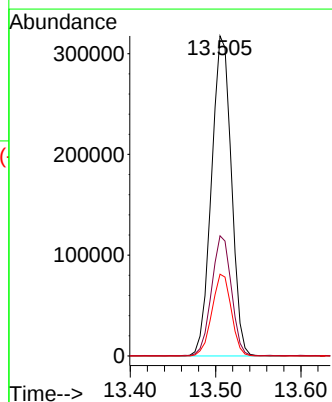
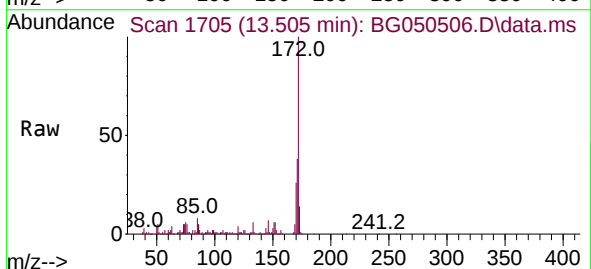
Instrument :
BNA_G
ClientSampleId :
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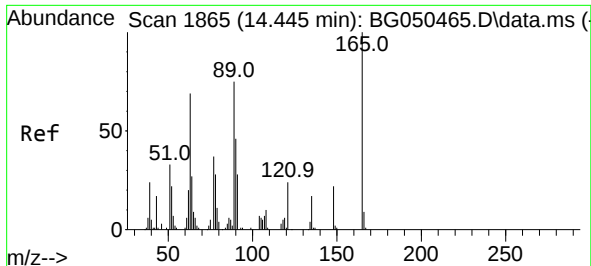
Tgt Ion:330 Resp: 11683
Ion Ratio Lower Upper
330 100
332 93.7 77.3 115.9
141 53.4 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 67.512 ng
RT: 13.505 min Scan# 1705
Delta R.T. 0.001 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:172 Resp: 513091
Ion Ratio Lower Upper
172 100
171 37.6 28.6 43.0
170 25.6 18.6 27.8

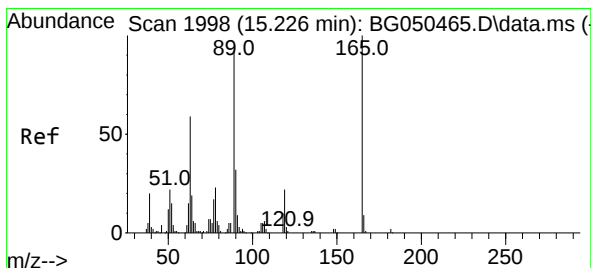
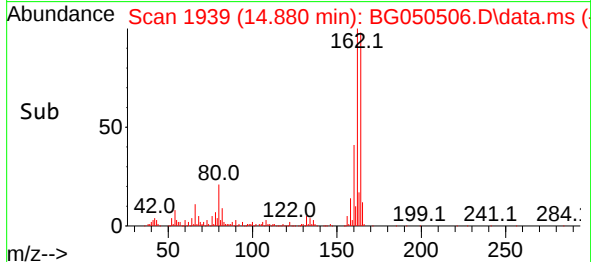
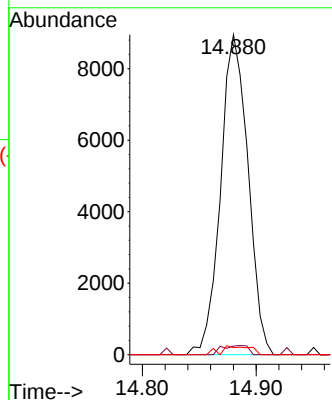
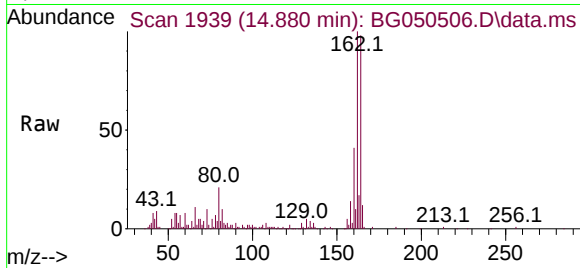




#51
2,6-Dinitrotoluene
Concen: 8.664 ng
RT: 14.880 min Scan# 1939
Delta R.T. 0.435 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

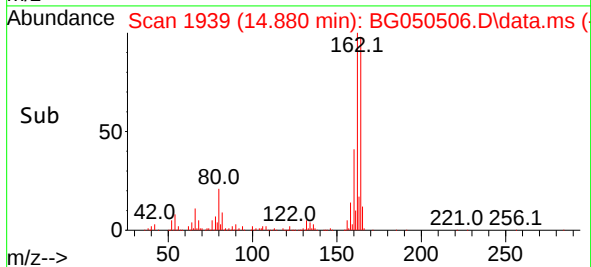
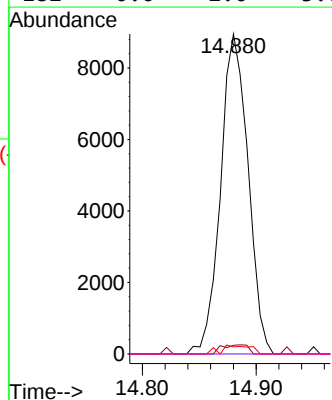
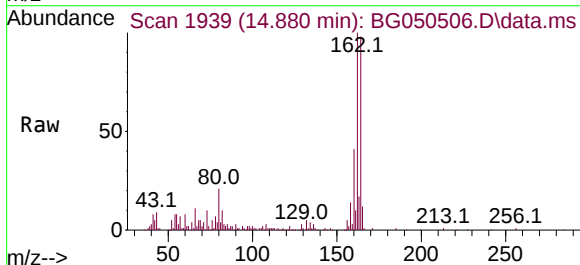
Instrument :
BNA_G
ClientSampled :
1-SLAB

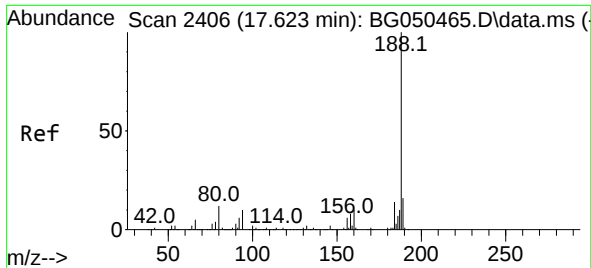
Tgt Ion:165 Resp: 15004
Ion Ratio Lower Upper
165 100
63 2.7 63.3 94.9#
89 2.2 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.147 ng
RT: 14.880 min Scan# 1939
Delta R.T. -0.346 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:165 Resp: 15004
Ion Ratio Lower Upper
165 100
63 2.7 48.0 72.0#
89 2.2 65.4 98.0#
182 0.0 2.0 3.0#

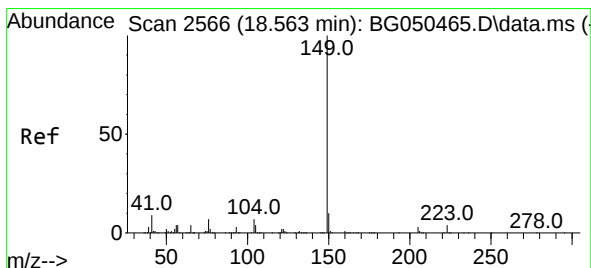
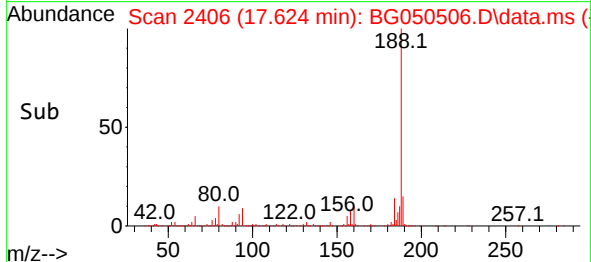
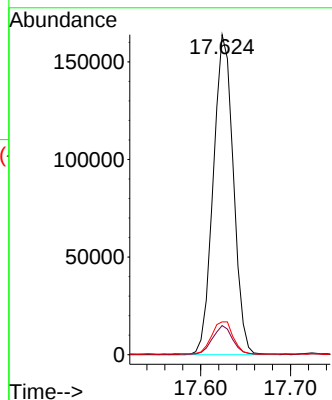
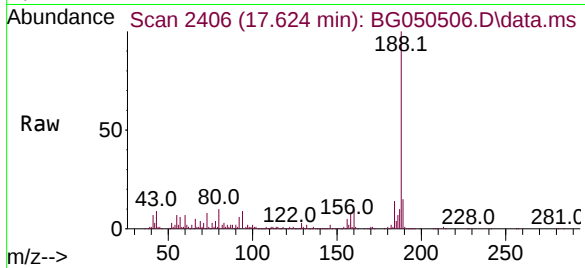




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

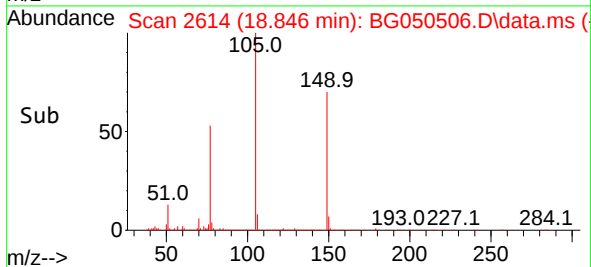
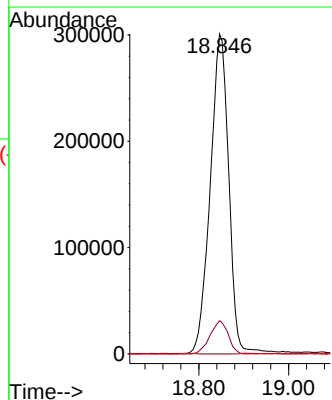
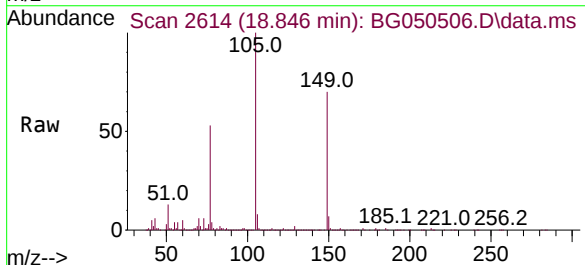
Instrument :
BNA_G
ClientSampleId :
1-SLAB

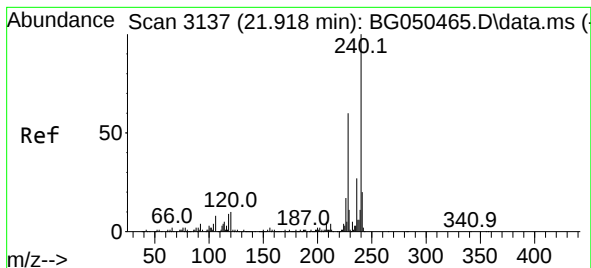
Tgt Ion:188 Resp: 254451
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 10.2 3.7 5.5#



#74
Di-n-butylphthalate
Concen: 55.086 ng
RT: 18.846 min Scan# 2614
Delta R.T. 0.283 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:149 Resp: 858486
Ion Ratio Lower Upper
149 100
150 10.4 7.5 11.3
104 0.0 6.6 10.0#

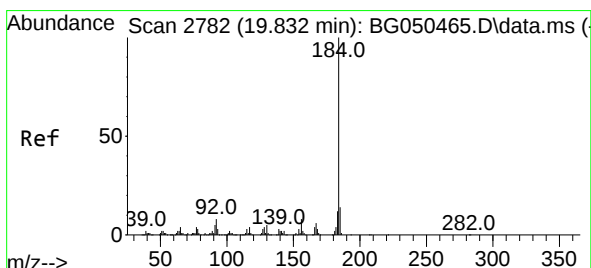
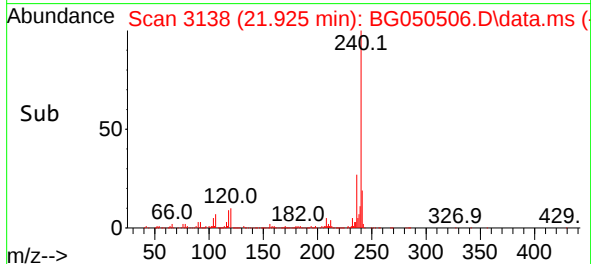
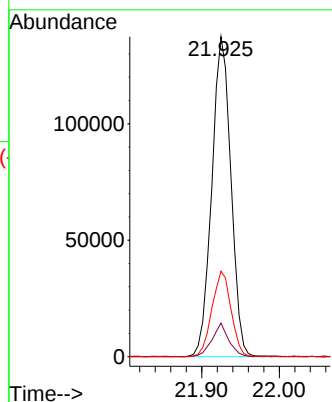
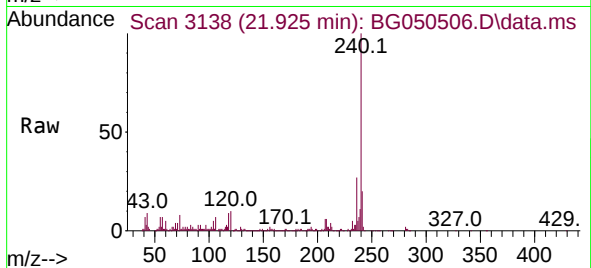




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3138
Delta R.T. 0.007 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

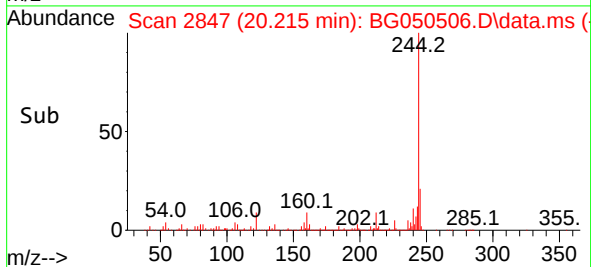
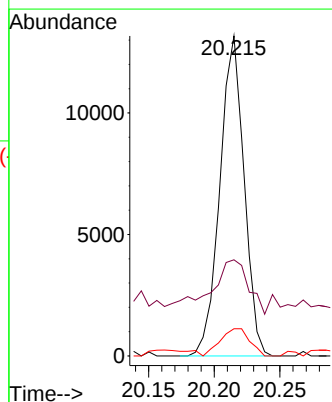
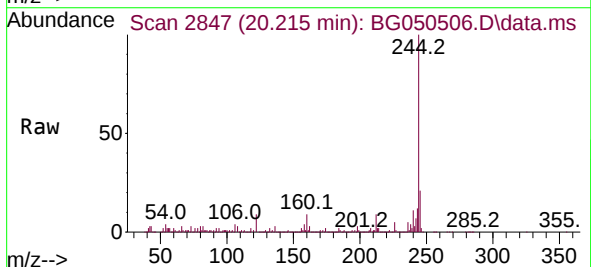
Instrument :
BNA_G
ClientSampled :
1-SLAB

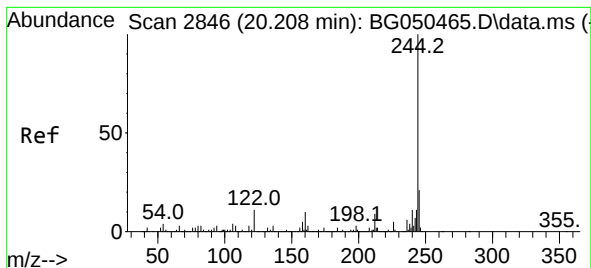
Tgt Ion:240 Resp: 235358
Ion Ratio Lower Upper
240 100
120 10.5 4.2 6.2#
236 26.7 21.8 32.6



#77
Benzidine
Concen: 2.213 ng
RT: 20.215 min Scan# 2847
Delta R.T. 0.383 min
Lab File: BG050506.D
Acq: 8 Oct 2021 12:38

Tgt Ion:184 Resp: 16882
Ion Ratio Lower Upper
184 100
185 30.1 10.7 16.1#
183 8.5 9.4 14.0#





#79

Terphenyl-d14

Concen: 65.976 ng

RT: 20.215 min Scan# 2847

Delta R.T. 0.007 min

Lab File: BG050506.D

Acq: 8 Oct 2021 12:38

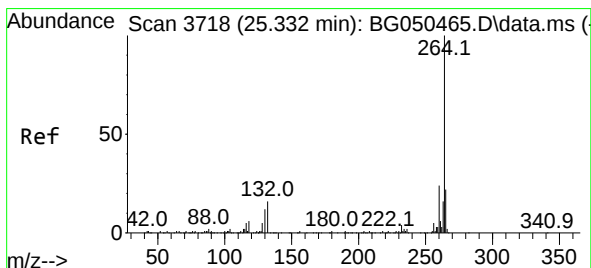
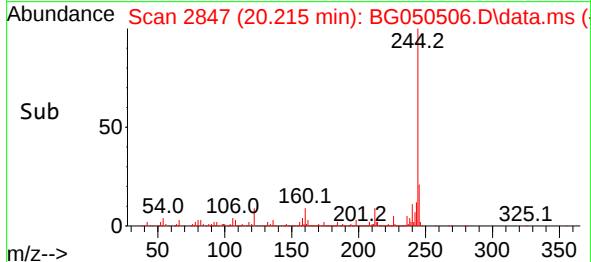
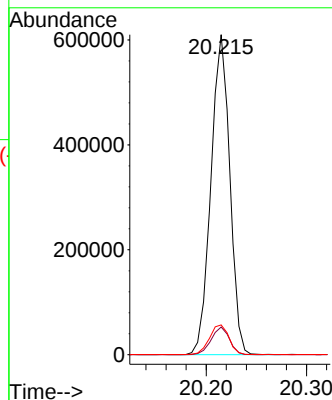
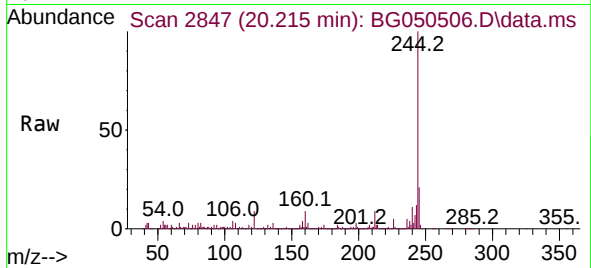
Tgt Ion:244 Resp: 796786

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

122 9.3 5.0 7.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 3720

Delta R.T. 0.012 min

Lab File: BG050506.D

Acq: 8 Oct 2021 12:38

Tgt Ion:264 Resp: 236630

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 21.5 16.9 25.3

