

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100721\
 Data File : BG050493.D
 Acq On : 7 Oct 2021 21:50
 Operator : CG/JU
 Sample : M4088-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-20211005-WATER

Quant Time: Oct 08 05:46:27 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)

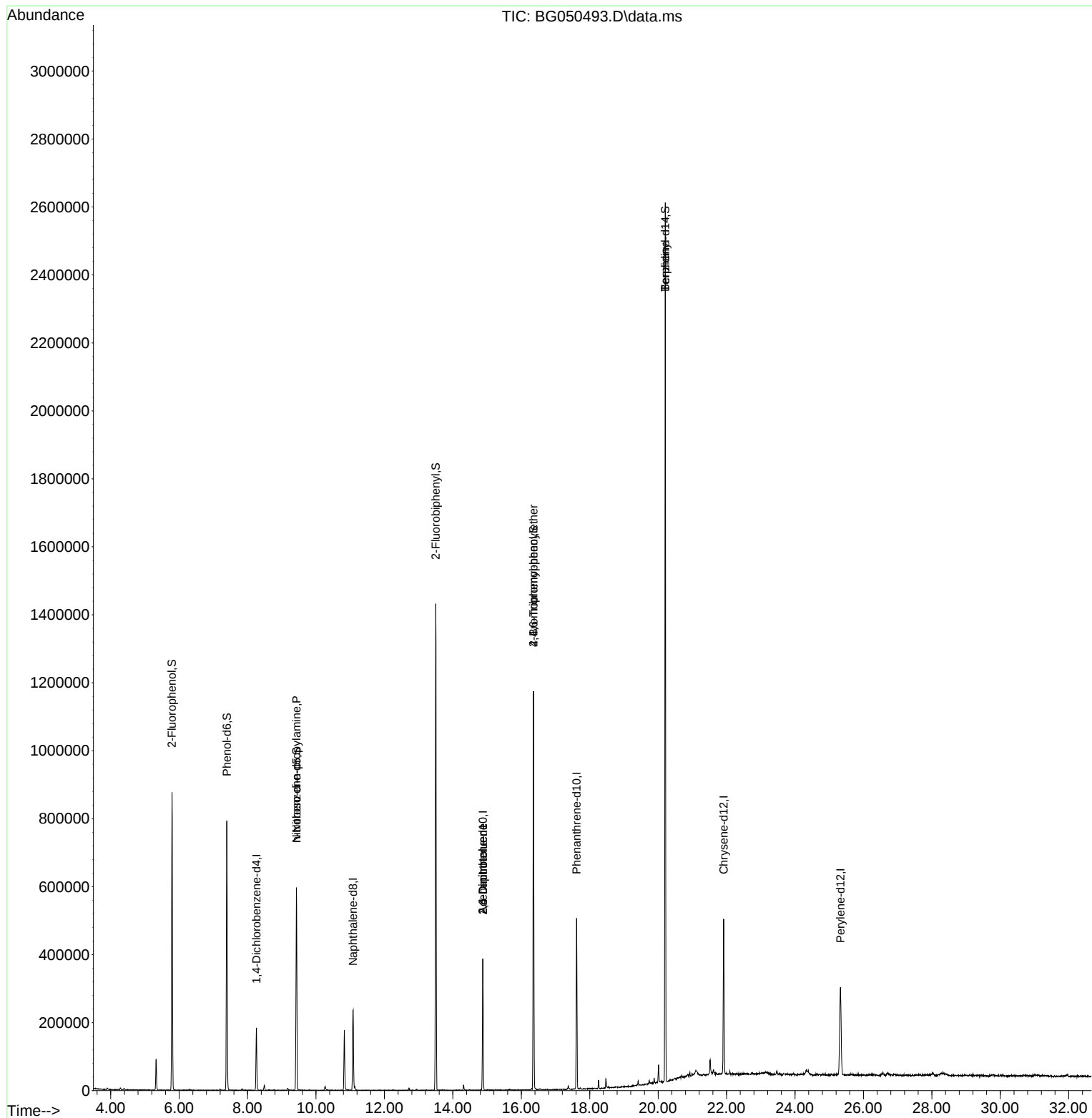
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	47269	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	195480	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	132731	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	303577	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	270432	20.000	ng	# 0.00
86) Perylene-d12	25.327	264	266999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	350017	110.741	ng	0.00
7) Phenol-d6	7.395	99	436112	95.302	ng	0.00
23) Nitrobenzene-d5	9.428	82	379978	80.466	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	165459	130.692	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	697402	79.078	ng	0.00
79) Terphenyl-d14	20.210	244	1121092	80.790	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.395	77	2617	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	9.428	70	53045	15.904	ng	# 71
51) 2,6-Dinitrotoluene	14.875	165	17806	8.861	ng	# 12
57) 2,4-Dinitrotoluene	14.875	165	17806	6.287	ng	# 17
67) 4-Bromophenyl-phenylether	16.355	248	13742	4.492	ng	# 1
77) Benzidine	20.210	184	22850	2.607	ng	# 95

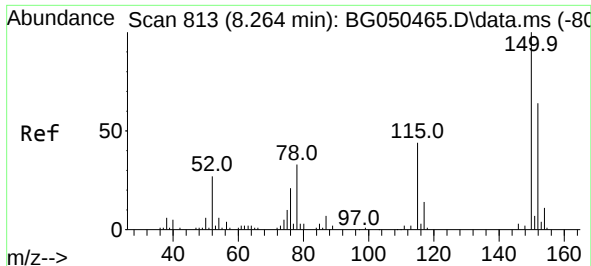
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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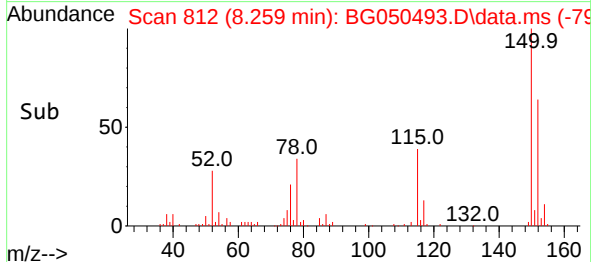
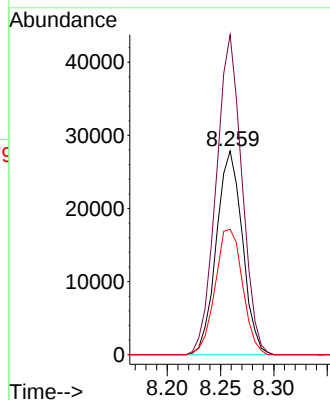
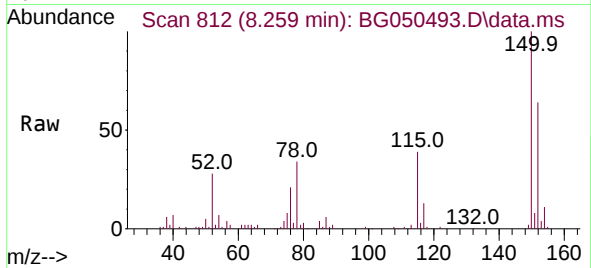




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

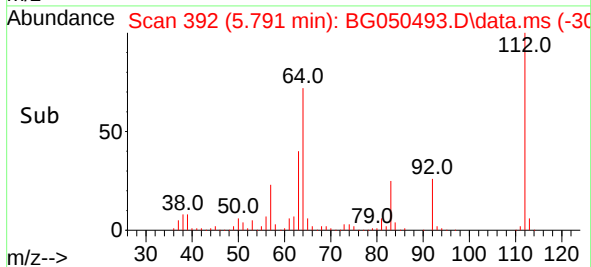
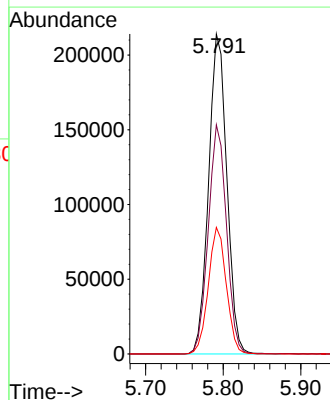
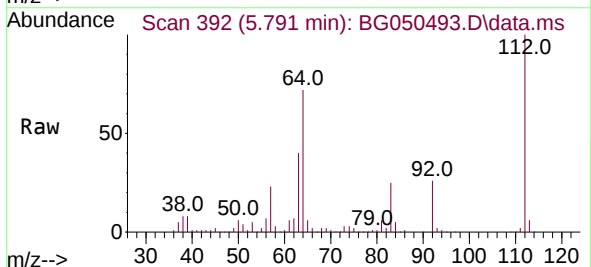
Instrument :
BNA_G
ClientSampleId :
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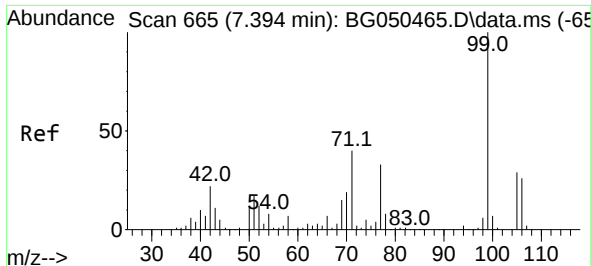
Tgt Ion:152 Resp: 47269
Ion Ratio Lower Upper
152 100
150 157.1 119.4 179.0
115 61.6 60.2 90.4



#5
2-Fluorophenol
Concen: 110.741 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion:112 Resp: 350017
Ion Ratio Lower Upper
112 100
64 71.6 46.7 70.1#
63 39.6 35.3 52.9

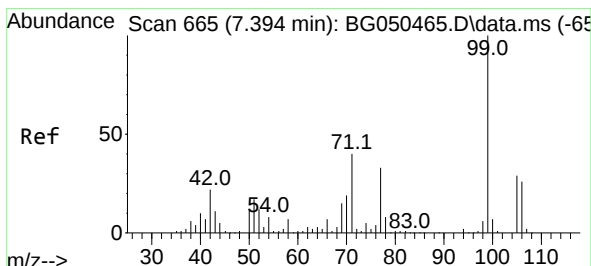
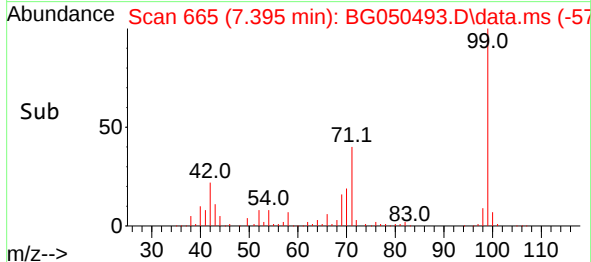
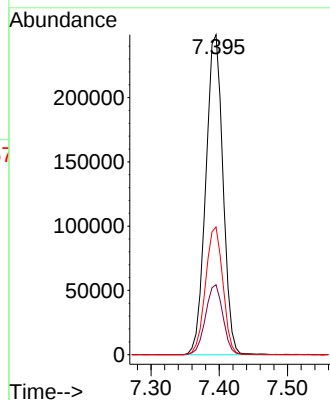
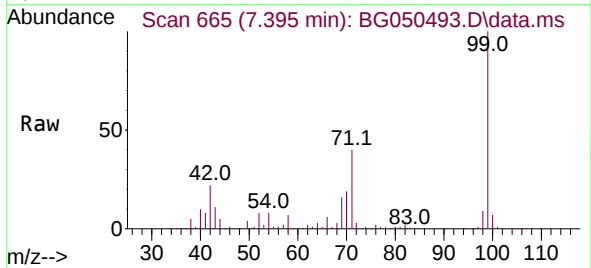




#7
Phenol-d6
Concen: 95.302 ng
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

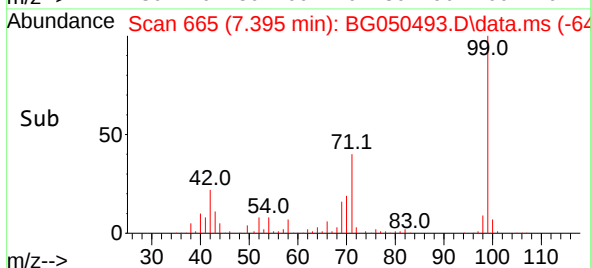
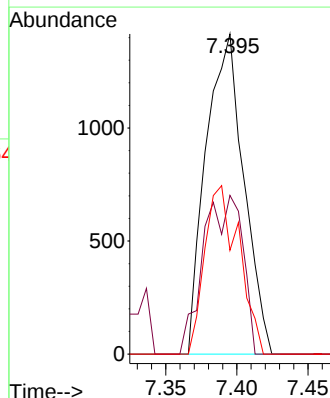
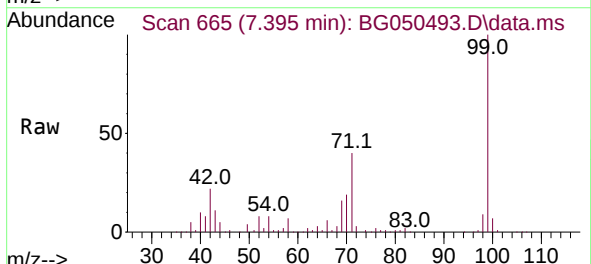
Instrument :
BNA_G
ClientSampleId :
WC-20211005-WATER

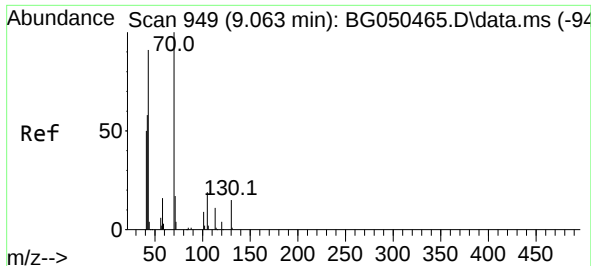
Tgt Ion: 99 Resp: 436112
Ion Ratio Lower Upper
99 100
42 21.9 20.5 30.7
71 39.9 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

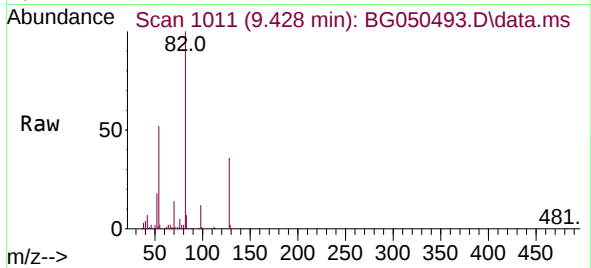
Tgt Ion: 77 Resp: 2617
Ion Ratio Lower Upper
77 100
105 49.6 68.8 108.8#
106 32.4 47.9 87.9#



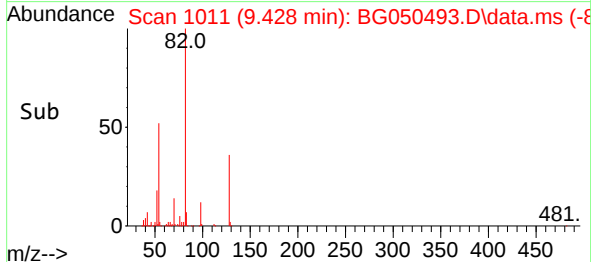
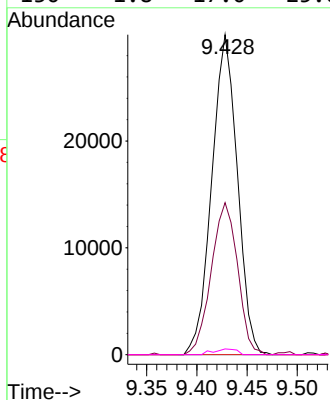


#19
n-Nitroso-di-n-propylamine
Concen: 15.904 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.365 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Instrument :
BNA_G
ClientSampleId :
WC-20211005-WATER

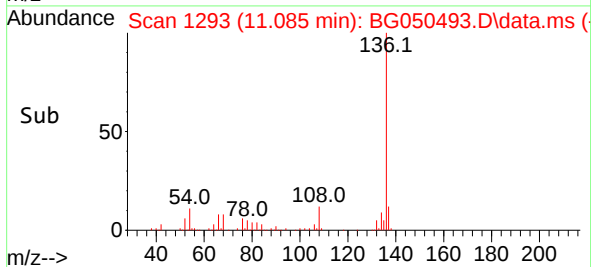
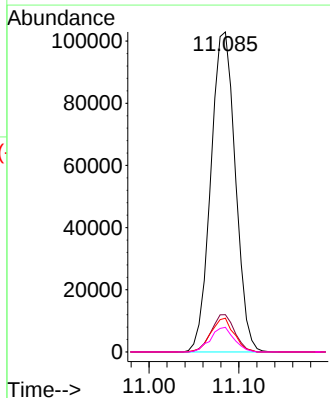
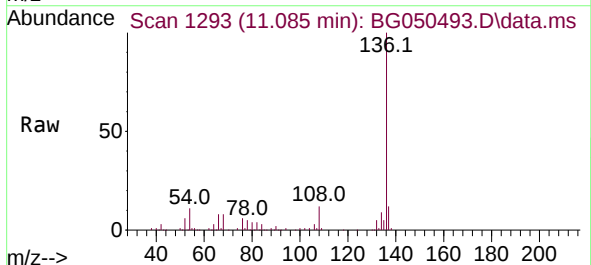


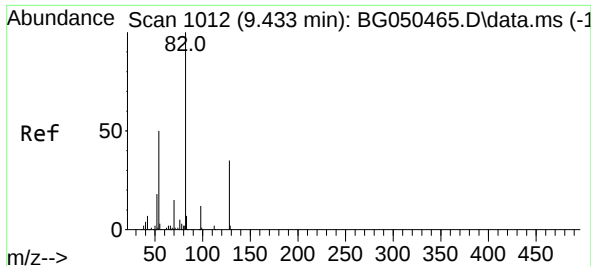
Tgt Ion: 70	Resp: 53045
Ion Ratio	Lower Upper
70	100
42	47.5 54.5 81.7#
101	0.0 9.0 13.6#
130	1.8 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion: 136	Resp: 195480
Ion Ratio	Lower Upper
136	100
137	11.6 8.2 12.2
54	10.6 5.5 8.3#
68	7.7 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 80.466 ng

RT: 9.428 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG050493.D

Acq: 7 Oct 2021 21:50

Instrument :

BNA_G

ClientSampleId :

WC-20211005-WATER

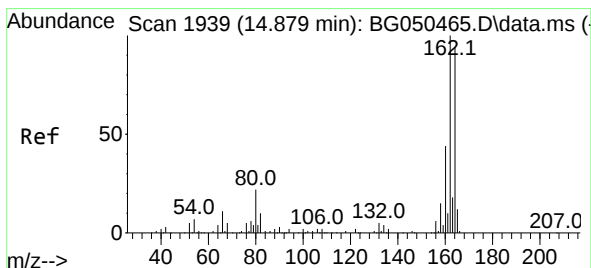
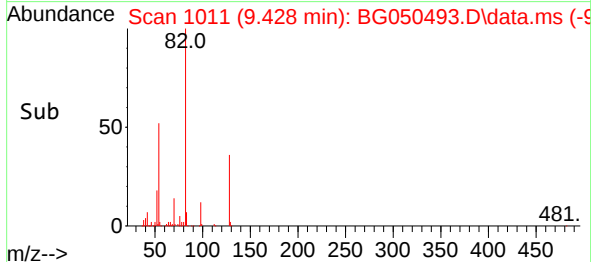
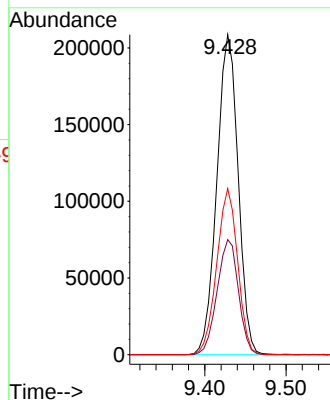
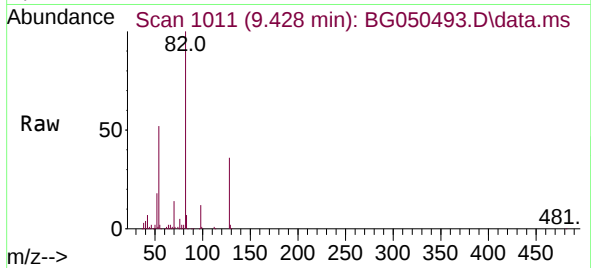
Tgt Ion: 82 Resp: 379978

Ion Ratio Lower Upper

82 100

128 35.9 29.8 44.6

54 51.9 45.8 68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.875 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BG050493.D

Acq: 7 Oct 2021 21:50

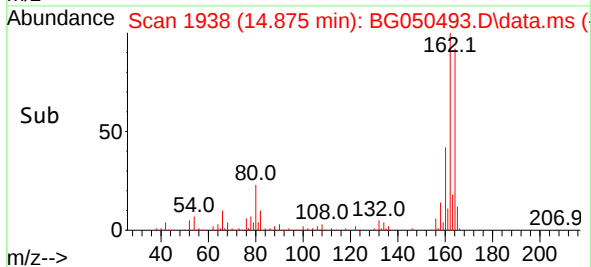
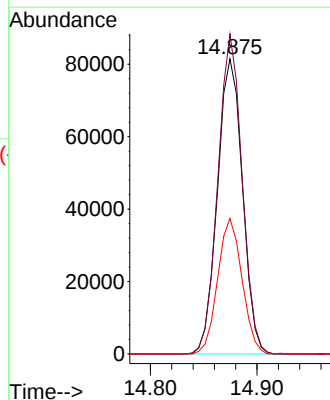
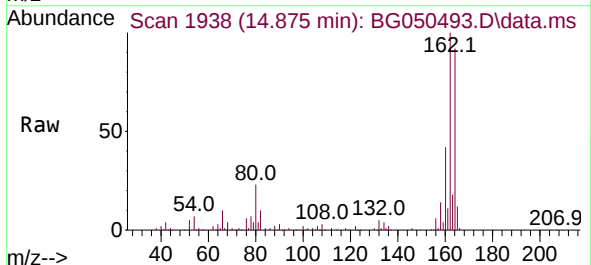
Tgt Ion:164 Resp: 132731

Ion Ratio Lower Upper

164 100

162 108.5 81.4 122.0

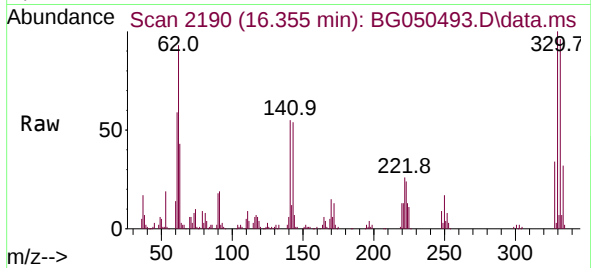
160 45.9 34.9 52.3



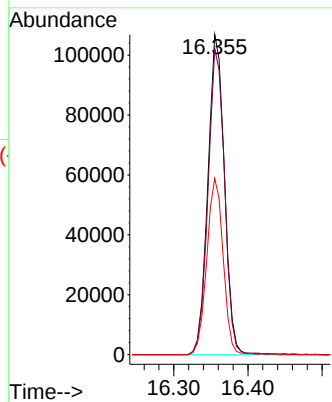
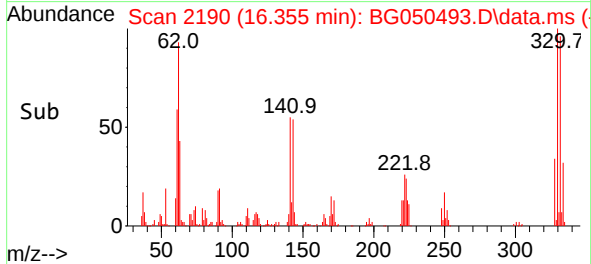


#42
2,4,6-Tribromophenol
Concen: 130.692 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

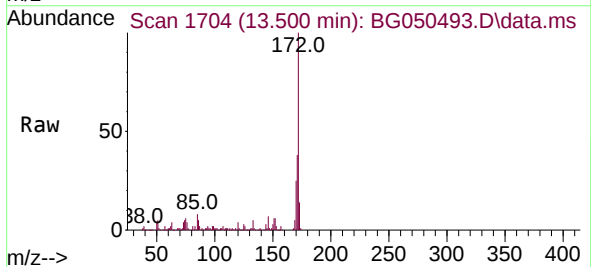
Instrument :
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ClientSampleId :
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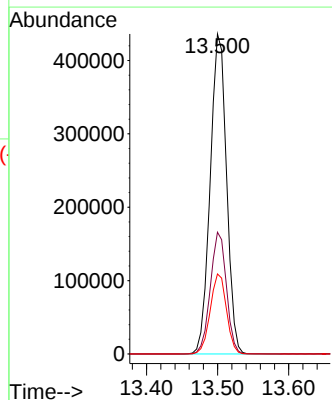
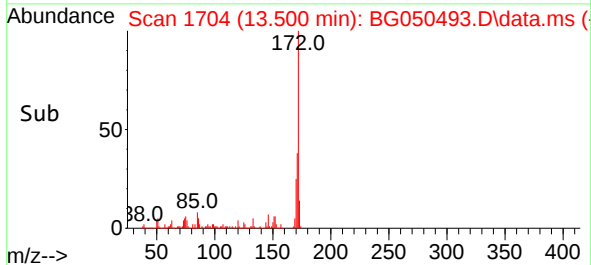
Tgt Ion:330 Resp: 165459
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 54.6 35.6 53.4#

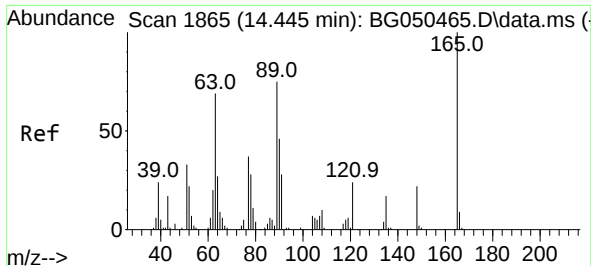


#45
2-Fluorobiphenyl
Concen: 79.078 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50



Tgt Ion:172 Resp: 697402
Ion Ratio Lower Upper
172 100
171 38.1 28.6 43.0
170 25.0 18.6 27.8

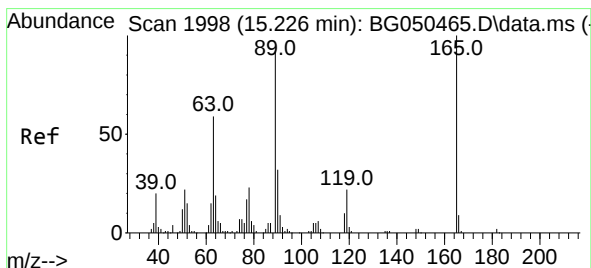
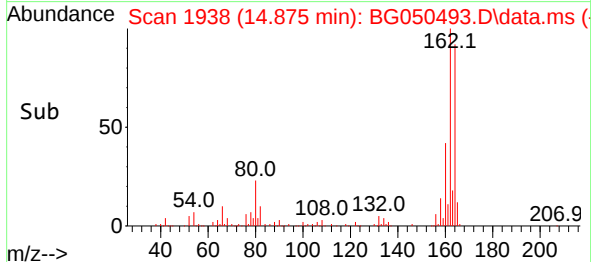
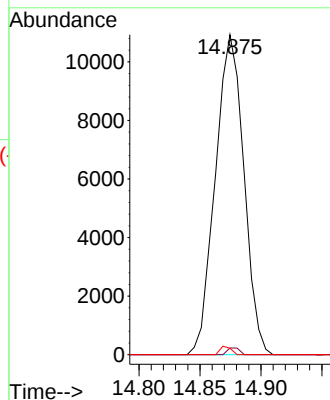
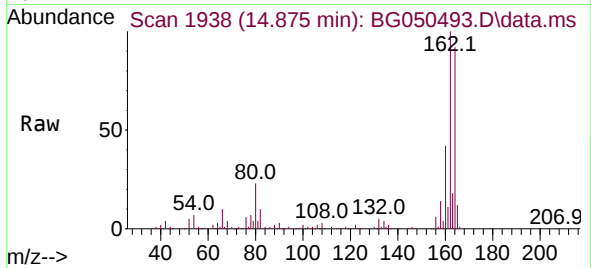




#51
2,6-Dinitrotoluene
Concen: 8.861 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

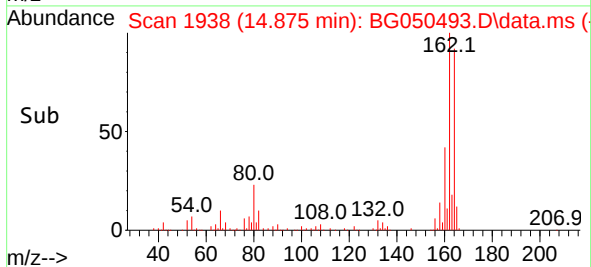
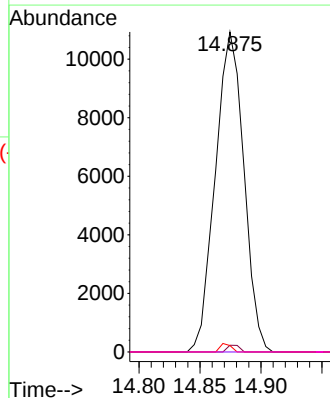
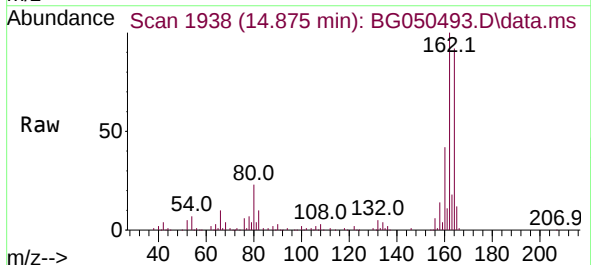
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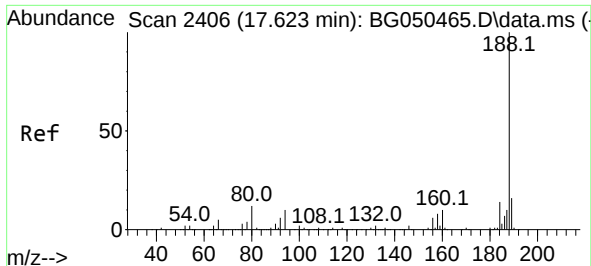
Tgt Ion:165 Resp: 17806
Ion Ratio Lower Upper
165 100
63 2.1 63.3 94.9#
89 2.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.287 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion:165 Resp: 17806
Ion Ratio Lower Upper
165 100
63 2.1 48.0 72.0#
89 2.0 65.4 98.0#
182 0.0 2.0 3.0#

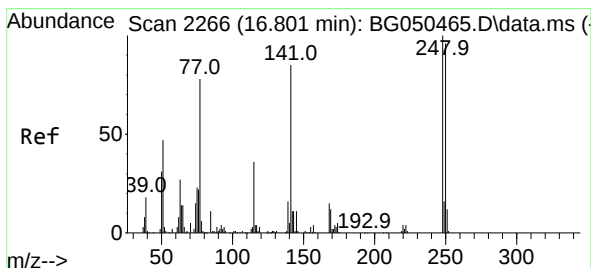
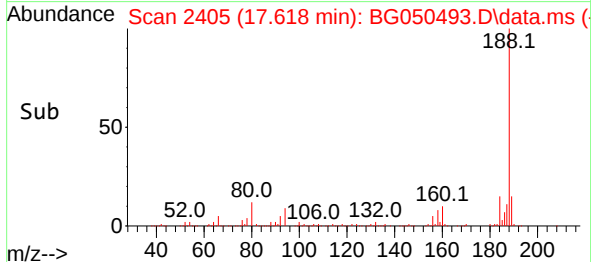
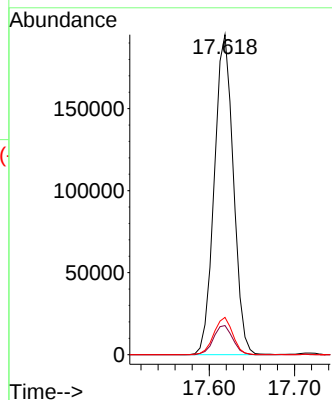
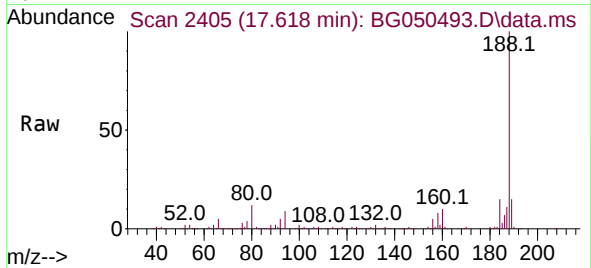




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

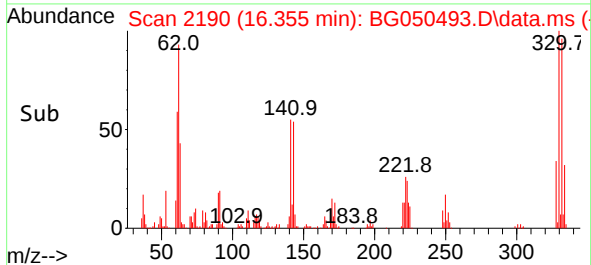
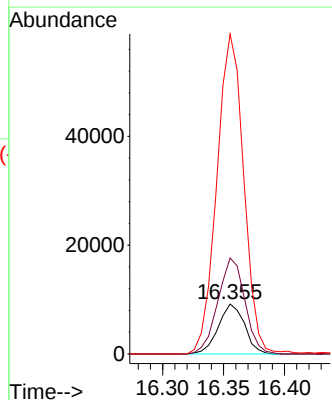
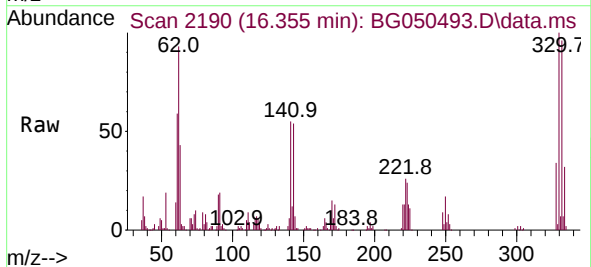
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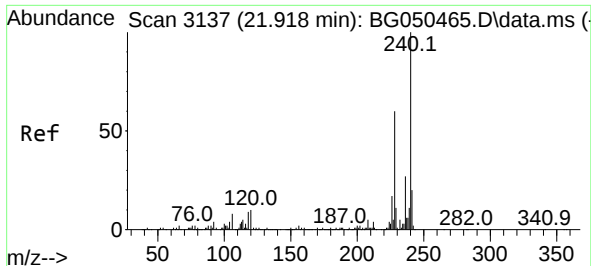
Tgt Ion:188 Resp: 303577
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 11.7 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.492 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.445 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion:248 Resp: 13742
Ion Ratio Lower Upper
248 100
250 192.5 76.1 114.1#
141 641.5 65.4 98.2#

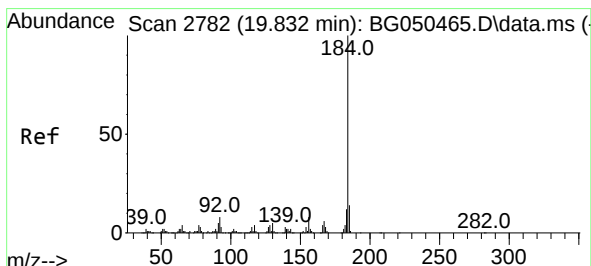
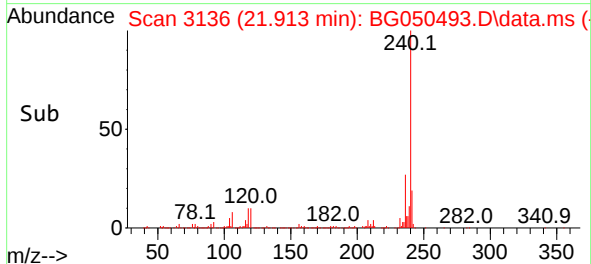
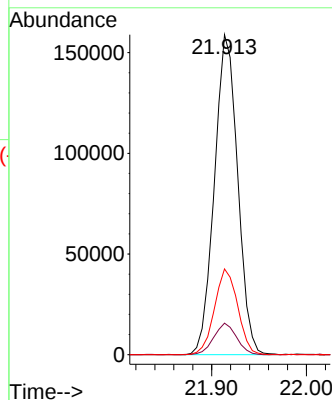
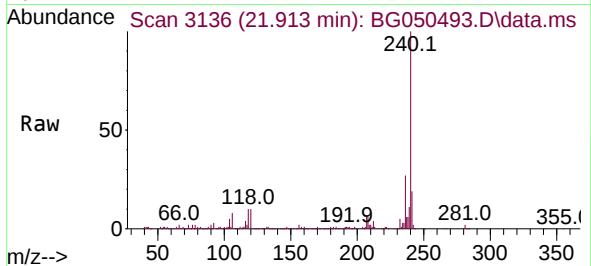




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

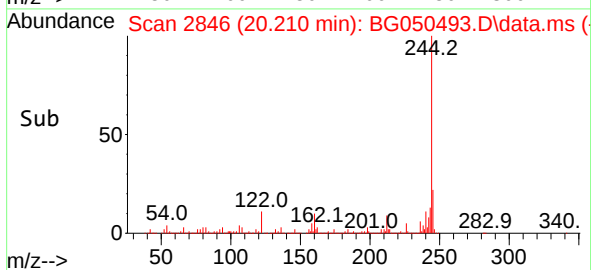
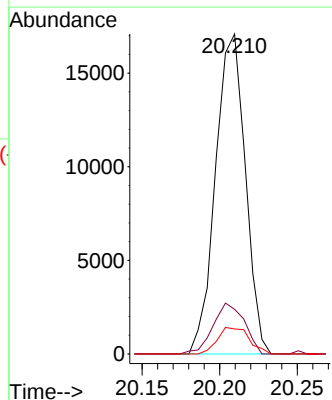
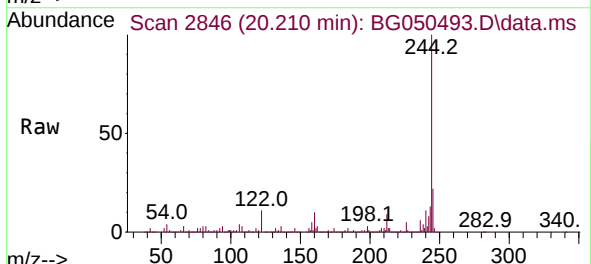
Instrument :
BNA_G
ClientSampleId :
WC-20211005-WATER

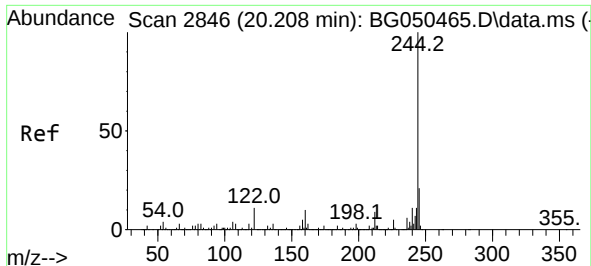
Tgt Ion:240 Resp: 270432
Ion Ratio Lower Upper
240 100
120 9.8 4.2 6.2#
236 26.8 21.8 32.6



#77
Benzidine
Concen: 2.607 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.377 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion:184 Resp: 22850
Ion Ratio Lower Upper
184 100
185 13.9 10.7 16.1
183 7.8 9.4 14.0#

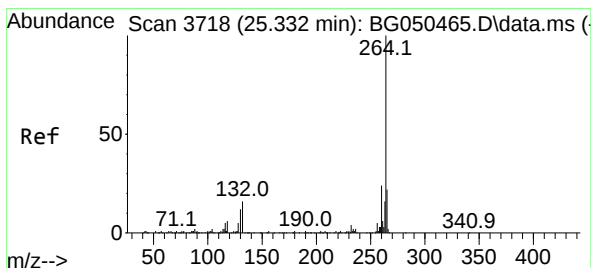
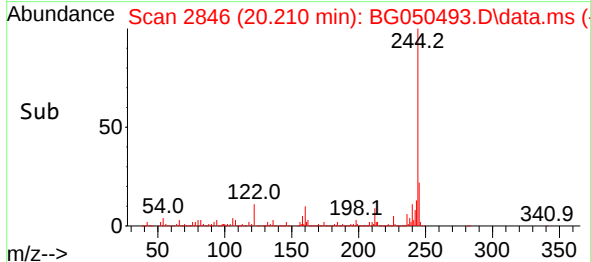
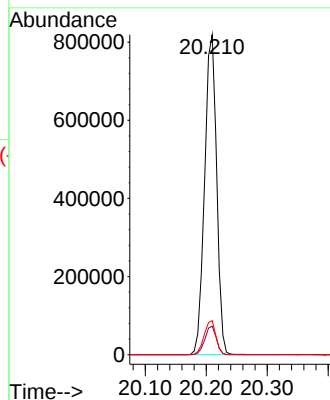
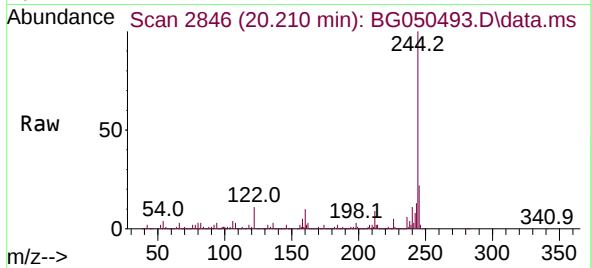




#79
Terphenyl-d14
Concen: 80.790 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.001 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Instrument :
BNA_G
ClientSampleId :
WC-20211005-WATER

Tgt Ion:244 Resp: 1121092
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 10.7 5.0 7.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG050493.D
Acq: 7 Oct 2021 21:50

Tgt Ion:264 Resp: 266999
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.9 16.9 25.3

