

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100621\
 Data File : BG050471.D
 Acq On : 6 Oct 2021 17:05
 Operator : CG/JU
 Sample : PB139656BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB139656BL

Quant Time: Oct 06 18:22:16 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)

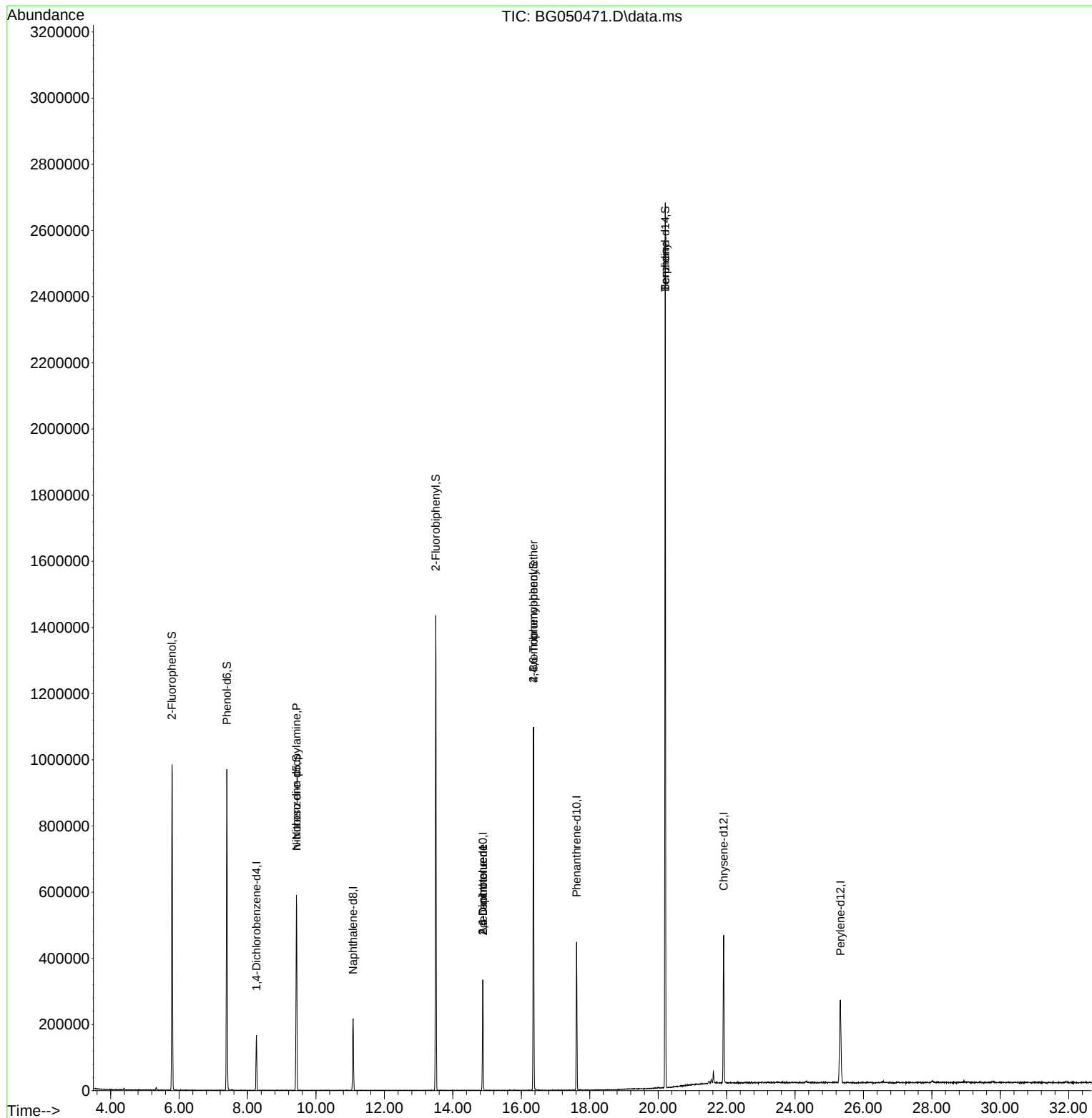
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	45004	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	176159	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	114835	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	267896	20.000	ng	# 0.00
76) Chrysene-d12	21.914	240	273533	20.000	ng	# 0.00
86) Perylene-d12	25.327	264	259211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	401025	133.265	ng	0.00
7) Phenol-d6	7.395	99	534665	122.719	ng	0.00
23) Nitrobenzene-d5	9.428	82	378329	88.904	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	150770	137.649	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	689731	90.396	ng	0.00
79) Terphenyl-d14	20.210	244	1188394	84.669	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.395	77	1173	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	52279	16.463	ng	# 74
51) 2,6-Dinitrotoluene	14.875	165	14866	8.551	ng	# 12
57) 2,4-Dinitrotoluene	14.875	165	14866	6.066	ng	# 17
67) 4-Bromophenyl-phenylether	16.355	248	12548	4.648	ng	# 1
77) Benzidine	20.210	184	24685	2.784	ng	96

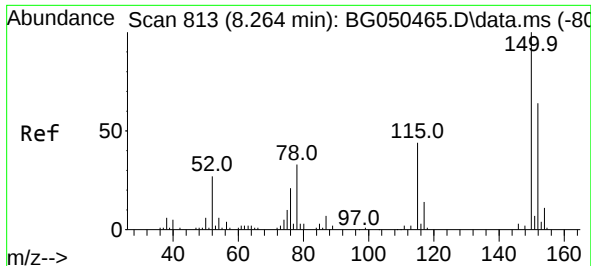
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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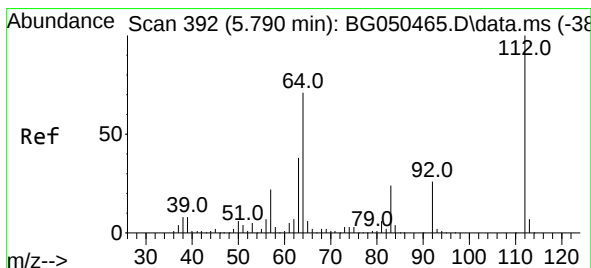
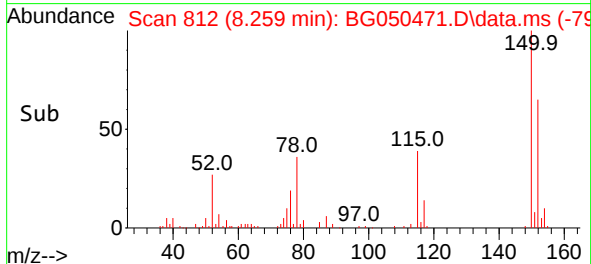
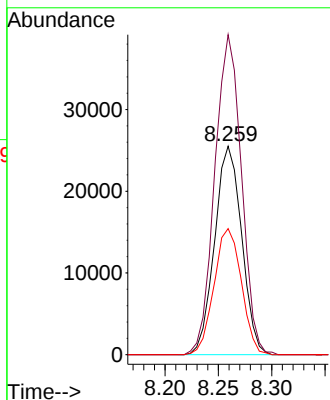
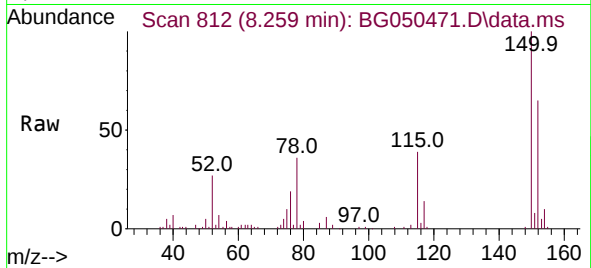




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

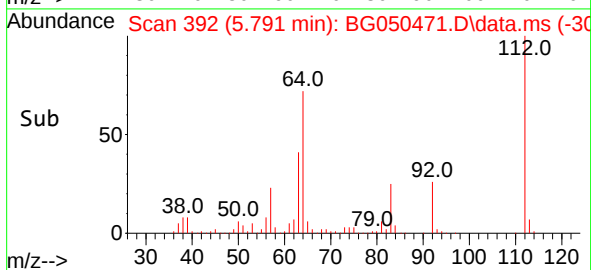
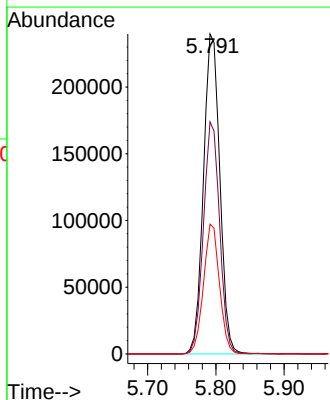
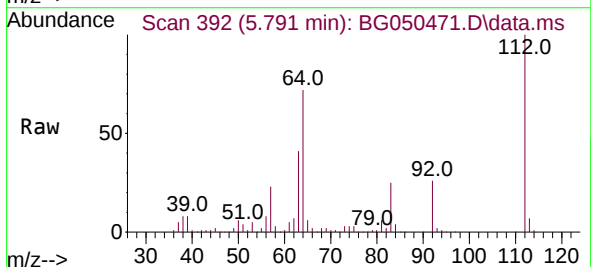
Instrument :
BNA_G
ClientSampleId :
PB139656BL

Tgt Ion:152 Resp: 45004
Ion Ratio Lower Upper
152 100
150 153.4 119.4 179.0
115 60.5 60.2 90.4



#5
2-Fluorophenol
Concen: 133.265 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

Tgt Ion:112 Resp: 401025
Ion Ratio Lower Upper
112 100
64 72.5 46.7 70.1#
63 40.5 35.3 52.9

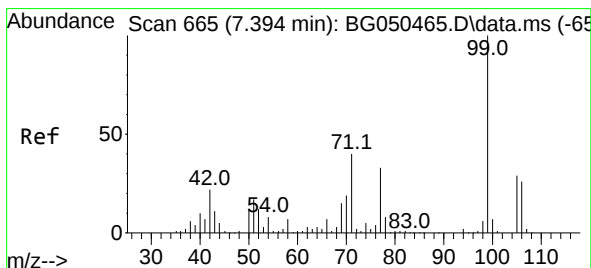
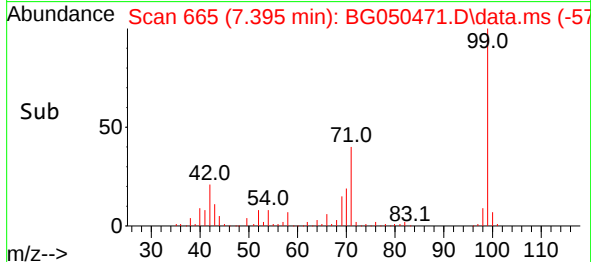
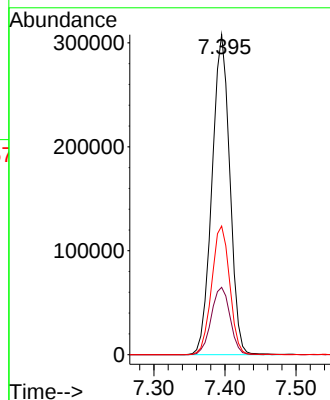
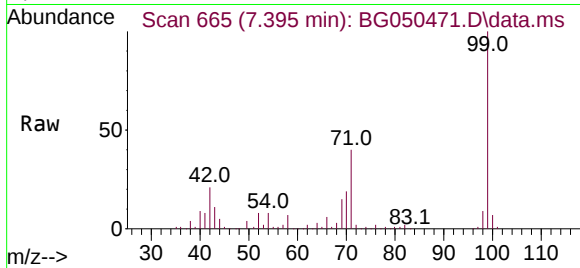




#7
Phenol-d6
Concen: 122.719 ng
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

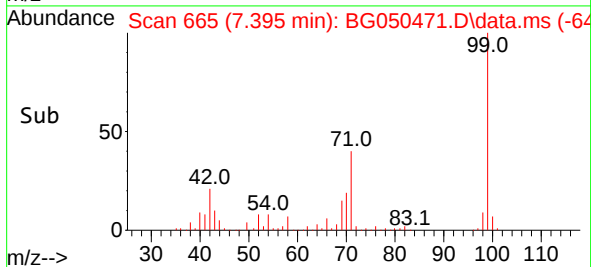
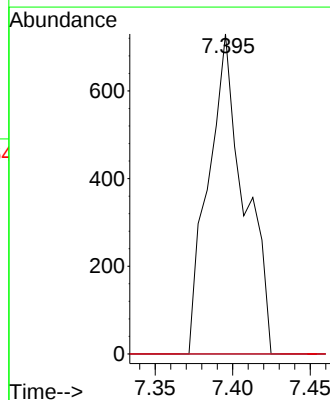
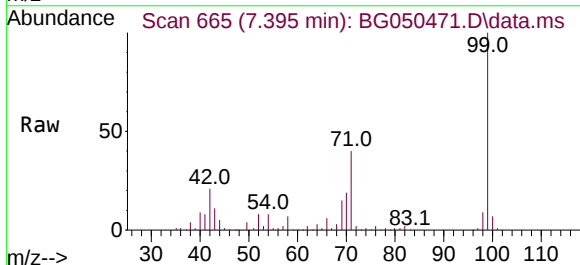
Instrument :
BNA_G
ClientSampleId :
PB139656BL

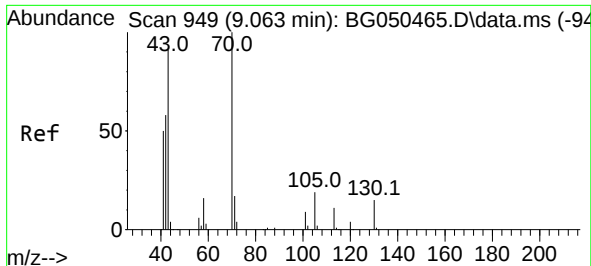
Tgt Ion: 99 Resp: 534665
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 40.2 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

Tgt Ion: 77 Resp: 1173
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

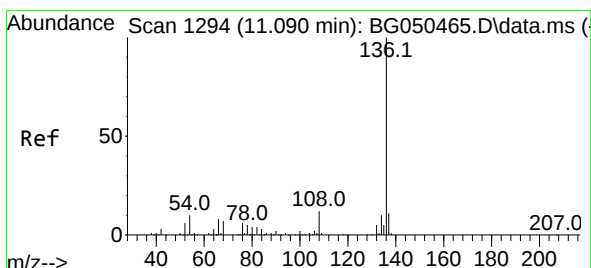
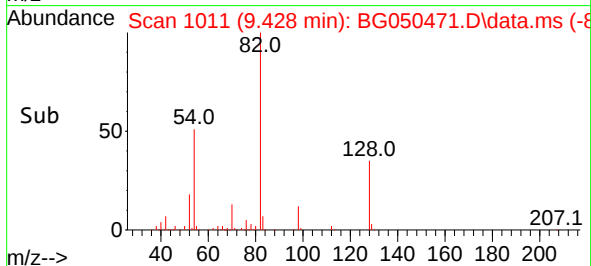
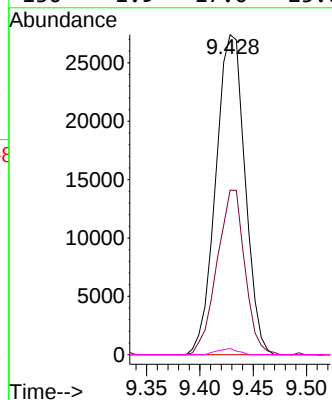
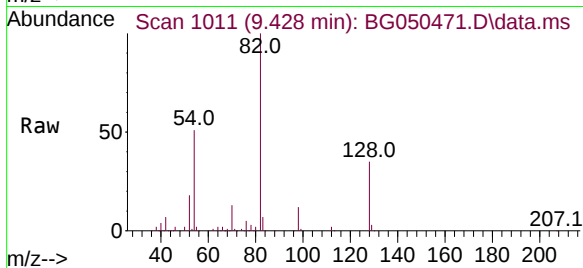




#19
n-Nitroso-di-n-propylamine
Concen: 16.463 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.366 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

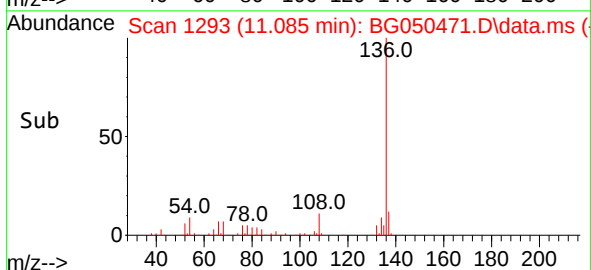
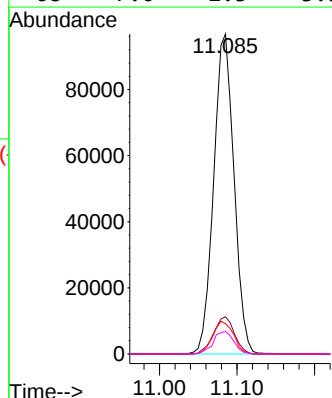
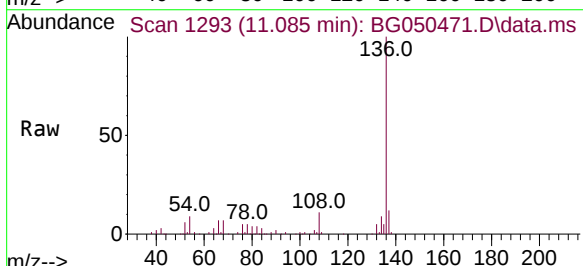
Instrument :
BNA_G
ClientSampleId :
PB139656BL

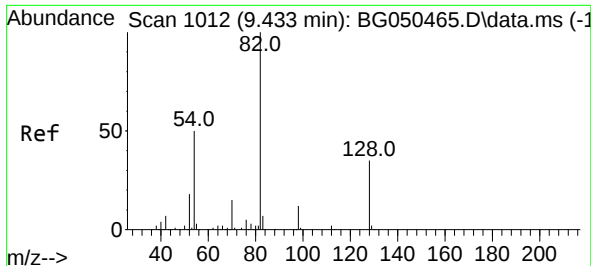
Tgt Ion:	70	Resp:	52279
Ion	Ratio	Lower	Upper
70	100		
42	51.4	54.5	81.7#
101	0.0	9.0	13.6#
130	1.9	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

Tgt Ion:	136	Resp:	176159
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.2
54	9.4	5.5	8.3#
68	7.0	2.3	3.5#

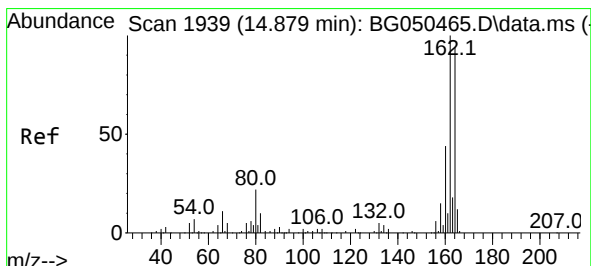
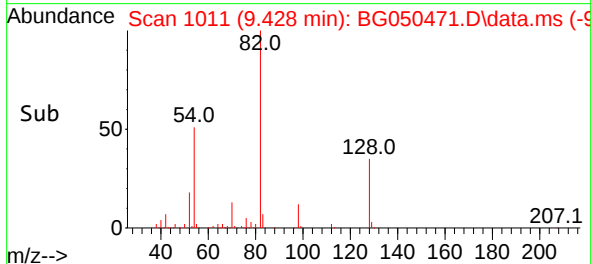
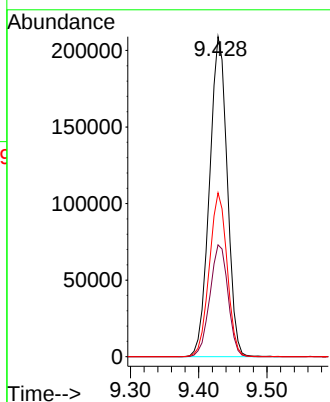
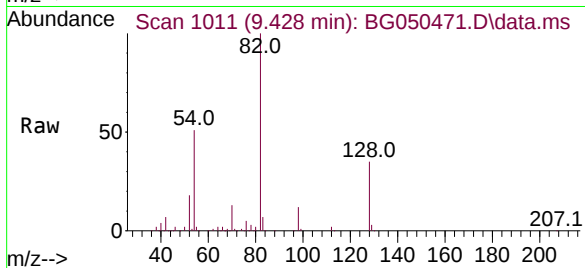




#23
Nitrobenzene-d5
Concen: 88.904 ng
RT: 9.428 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

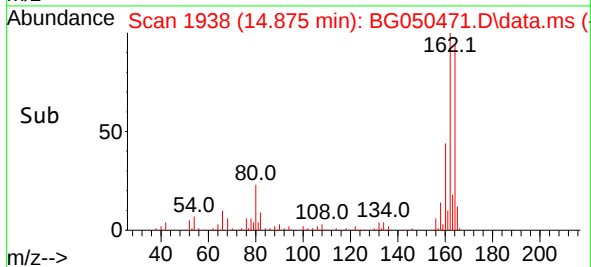
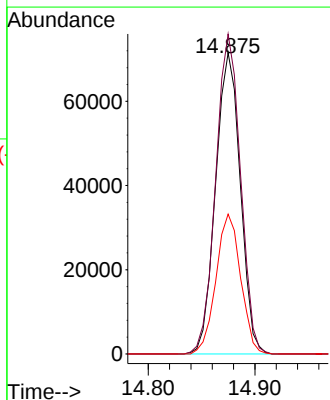
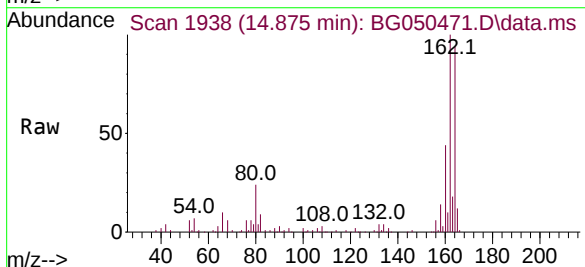
Instrument :
BNA_G
ClientSampleId :
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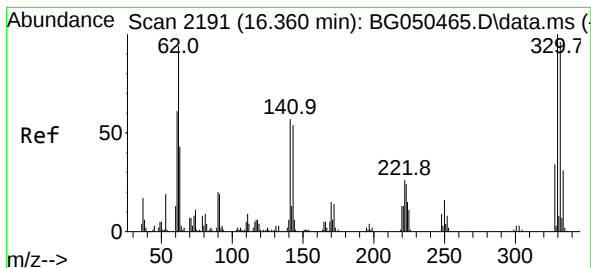
Tgt Ion: 82 Resp: 378329
Ion Ratio Lower Upper
82 100
128 34.9 29.8 44.6
54 51.2 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

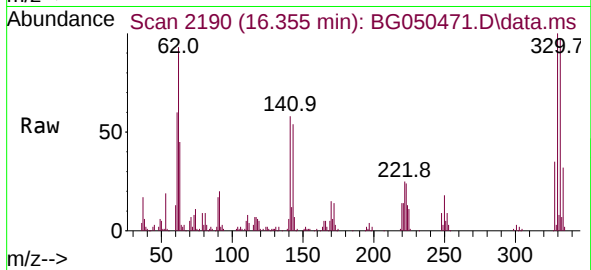
Tgt Ion: 164 Resp: 114835
Ion Ratio Lower Upper
164 100
162 106.2 81.4 122.0
160 46.4 34.9 52.3



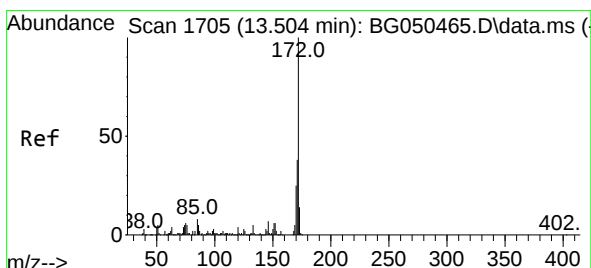
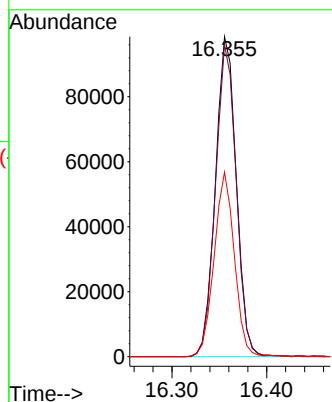
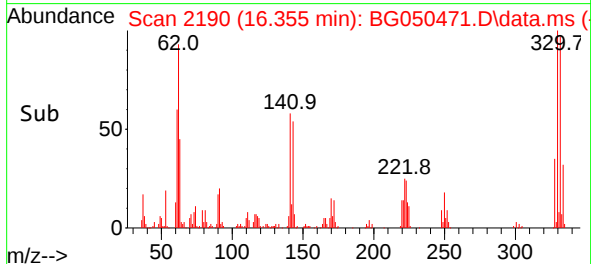


#42
2,4,6-Tribromophenol
Concen: 137.649 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

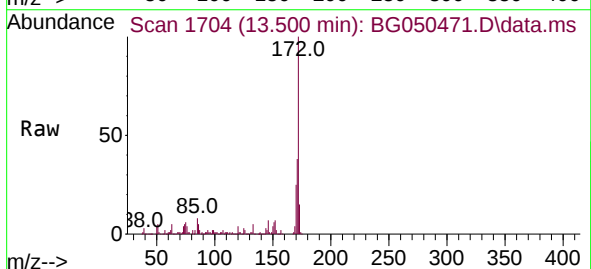
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BNA_G
ClientSampleId :
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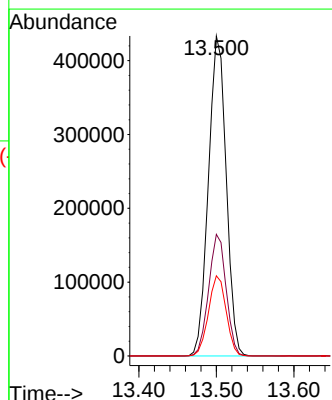
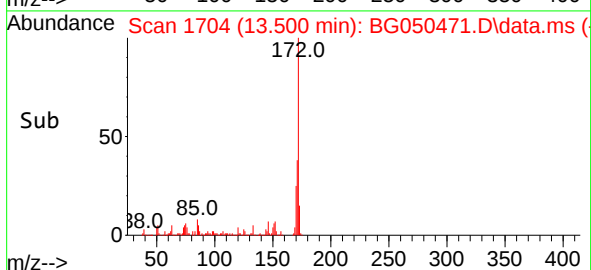
Tgt Ion:330 Resp: 150770
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 56.0 35.6 53.4#

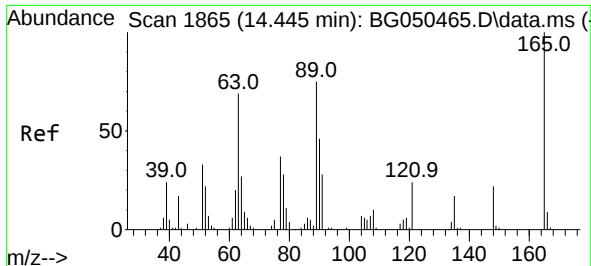


#45
2-Fluorobiphenyl
Concen: 90.396 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05



Tgt Ion:172 Resp: 689731
Ion Ratio Lower Upper
172 100
171 38.0 28.6 43.0
170 25.1 18.6 27.8

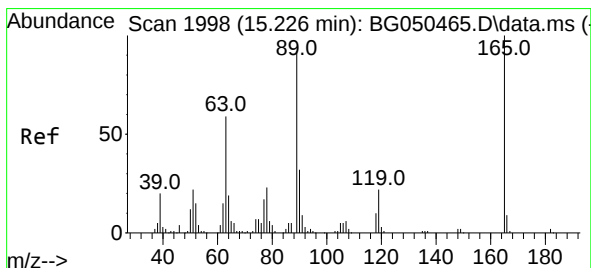
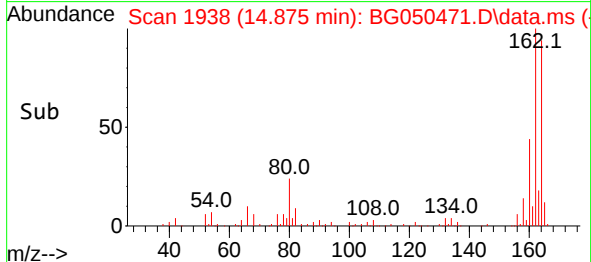
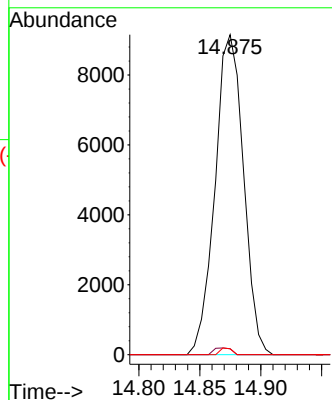
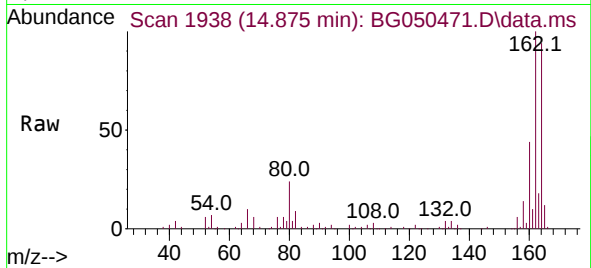




#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

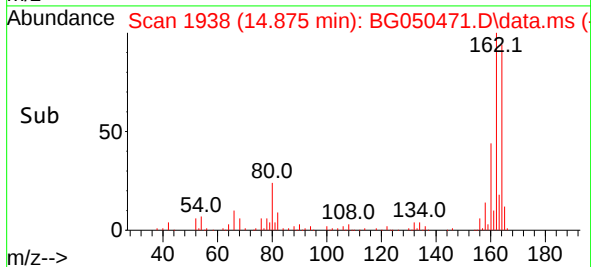
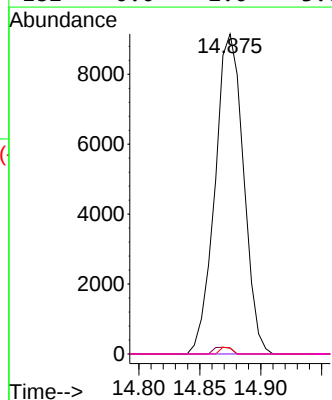
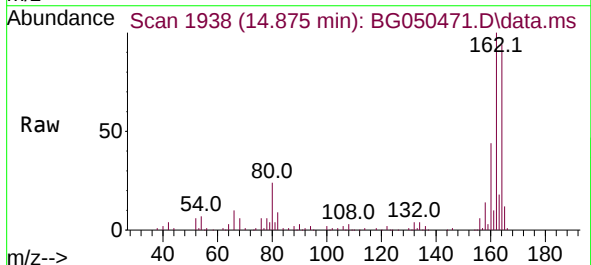
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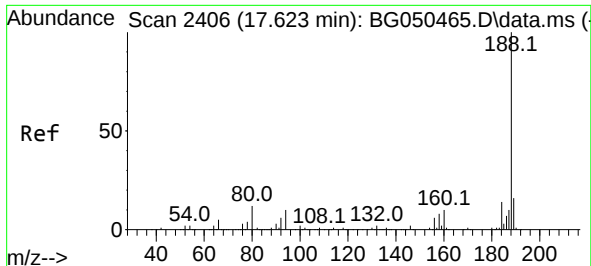
Tgt Ion:165 Resp: 14866
Ion Ratio Lower Upper
165 100
63 1.8 63.3 94.9#
89 1.9 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.066 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

Tgt Ion:165 Resp: 14866
Ion Ratio Lower Upper
165 100
63 1.8 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#

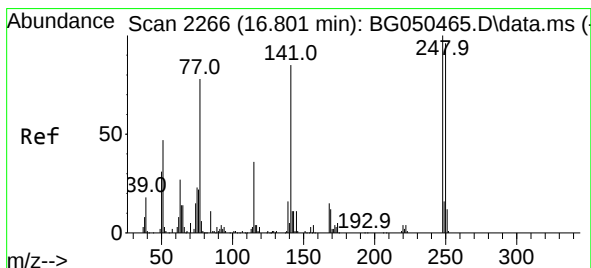
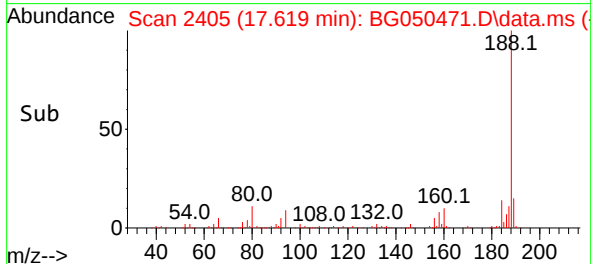
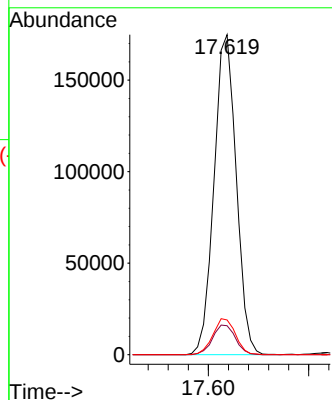
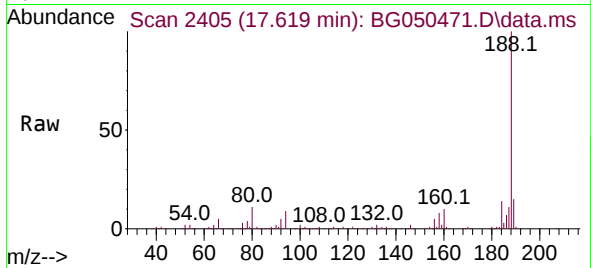




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

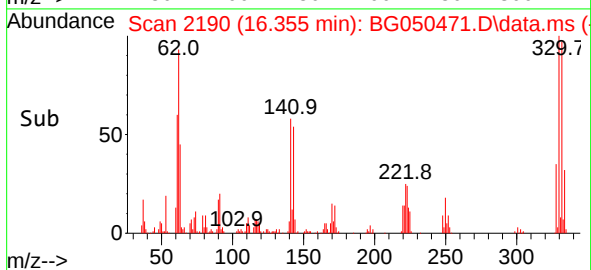
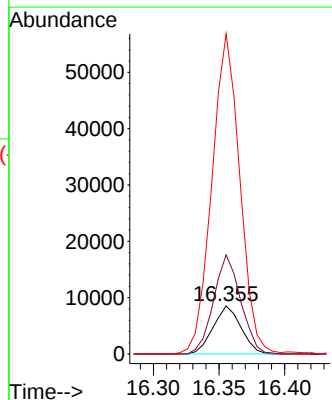
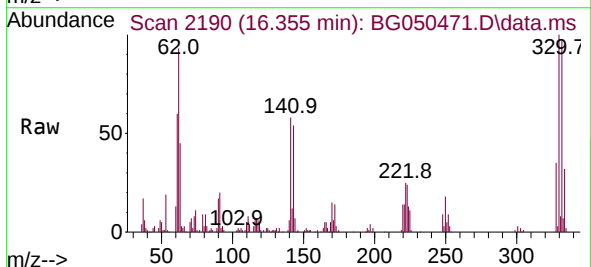
Instrument :
BNA_G
ClientSampleId :
PB139656BL

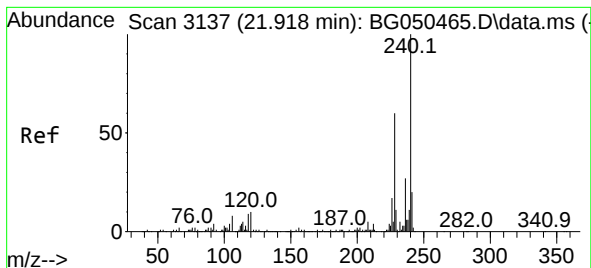
Tgt Ion:188 Resp: 267896
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 10.9 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.648 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.445 min
Lab File: BG050471.D
Acq: 6 Oct 2021 17:05

Tgt Ion:248 Resp: 12548
Ion Ratio Lower Upper
248 100
250 206.2 76.1 114.1#
141 666.2 65.4 98.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.914 min Scan# 3136

Delta R.T. -0.005 min

Lab File: BG050471.D

Acq: 6 Oct 2021 17:05

Instrument :

BNA_G

ClientSampleId :

PB139656BL

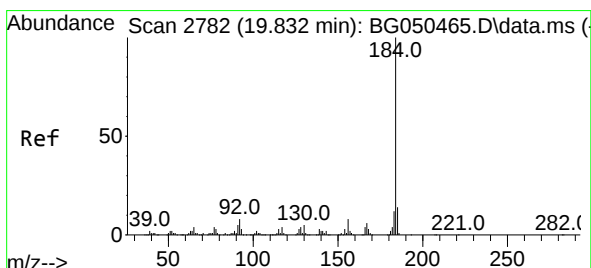
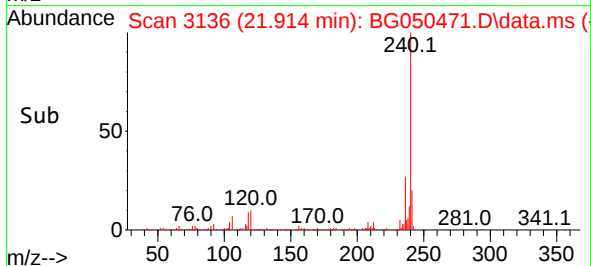
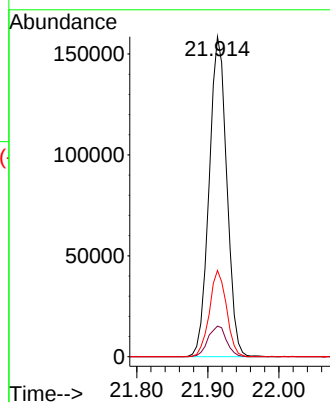
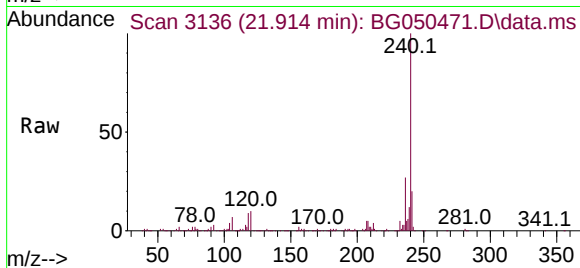
Tgt Ion:240 Resp: 273533

Ion Ratio Lower Upper

240 100

120 9.5 4.2 6.2#

236 26.9 21.8 32.6



#77

Benzidine

Concen: 2.784 ng

RT: 20.210 min Scan# 2846

Delta R.T. 0.377 min

Lab File: BG050471.D

Acq: 6 Oct 2021 17:05

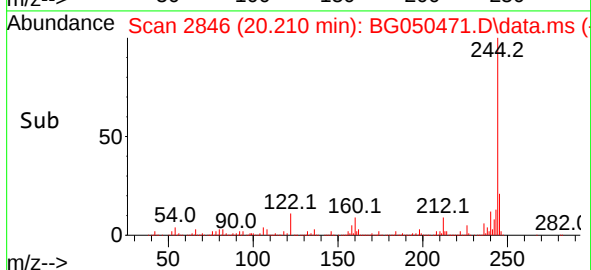
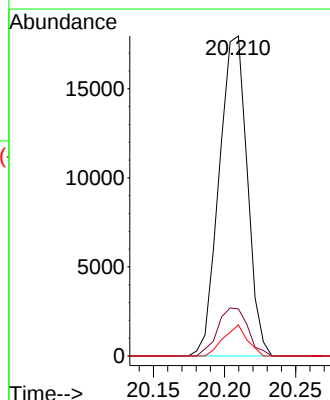
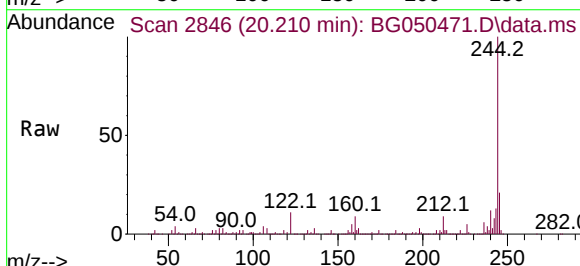
Tgt Ion:184 Resp: 24685

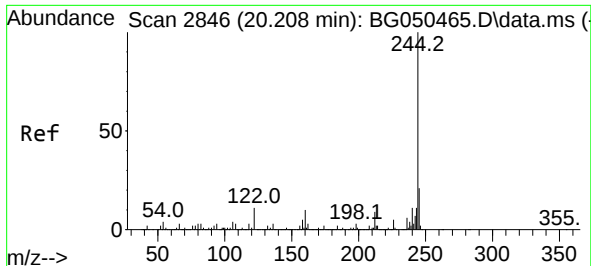
Ion Ratio Lower Upper

184 100

185 14.7 10.7 16.1

183 9.7 9.4 14.0

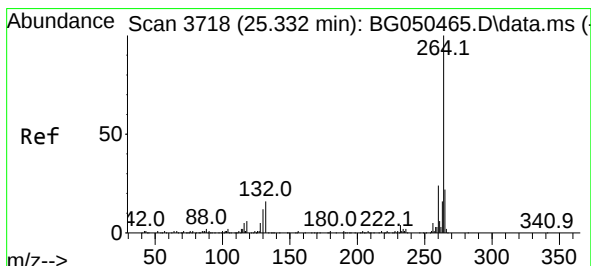
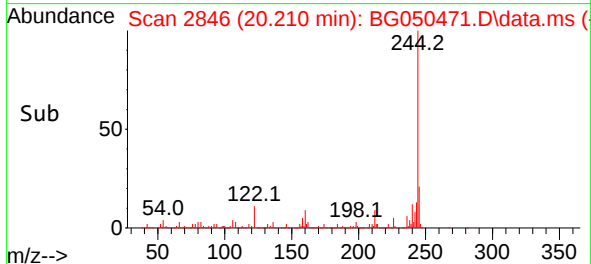
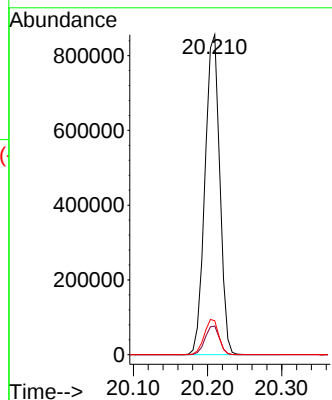
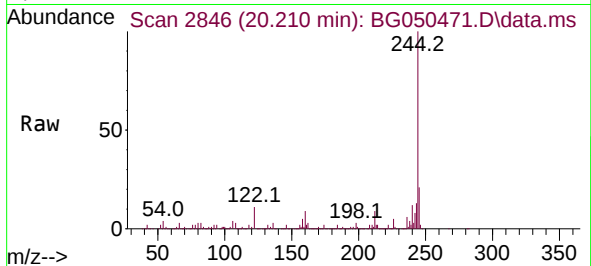




#79
 Terphenyl-d14
 Concen: 84.669 ng
 RT: 20.210 min Scan# 2846
 Delta R.T. 0.001 min
 Lab File: BG050471.D
 Acq: 6 Oct 2021 17:05

Instrument :
 BNA_G
 ClientSampleId :
 PB139656BL

Tgt Ion:244 Resp: 1188394
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.9 10.3
 122 10.6 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: BG050471.D
 Acq: 6 Oct 2021 17:05

Tgt Ion:264 Resp: 259211
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 22.5 16.9 25.3

