

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070121\
 Data File : BG049161.D
 Acq On : 1 Jul 2021 20:04
 Operator : CG/JU
 Sample : M2902-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-063021

Quant Time: Jul 02 01:53:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 30 15:39:12 2021
 Response via : Initial Calibration

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

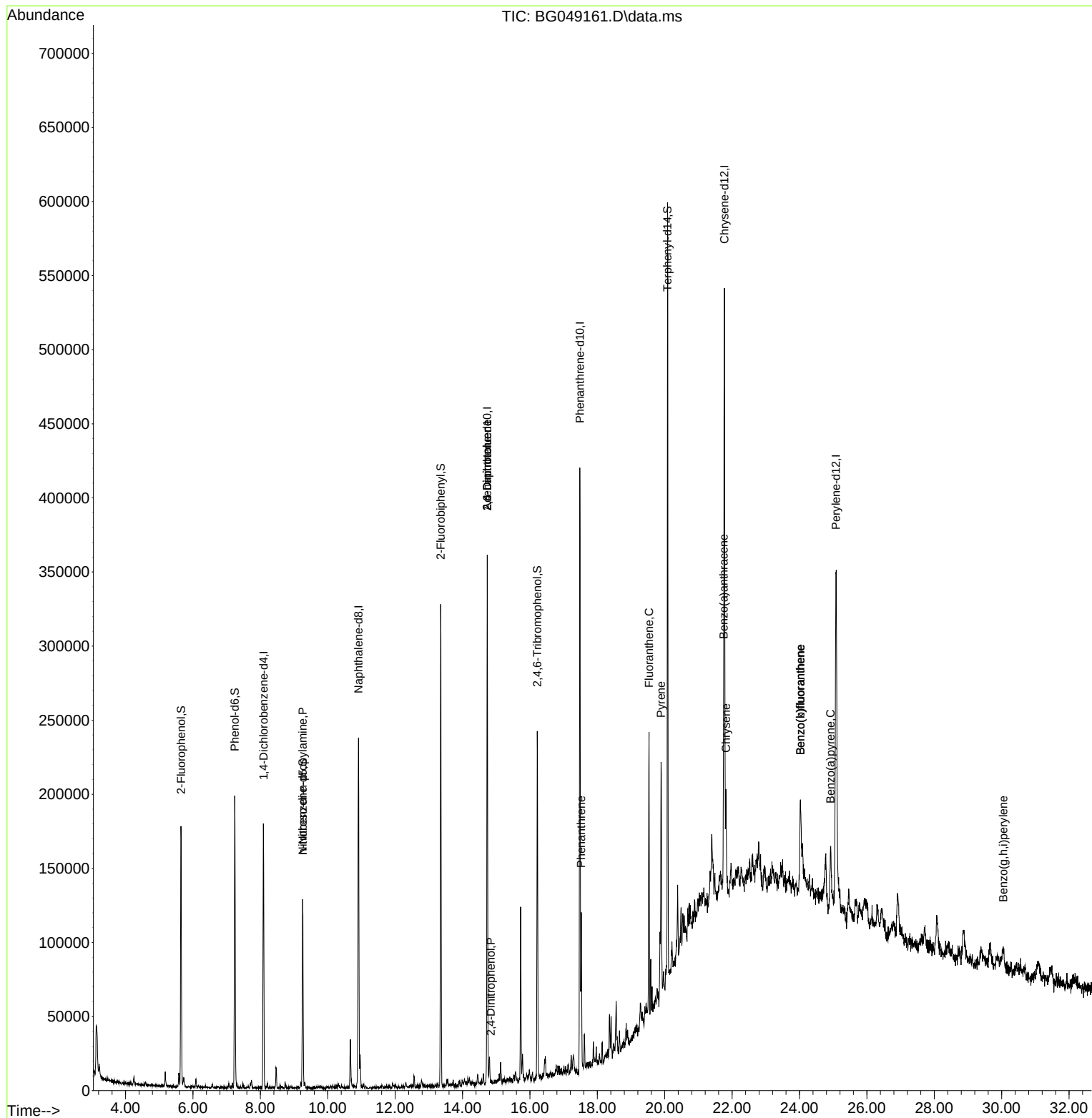
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	49030	20.00	ng	# 0.00
21) Naphthalene-d8	10.913	136	192645	20.00	ng	# 0.00
39) Acenaphthene-d10	14.732	164	127902	20.00	ng	0.00
64) Phenanthrene-d10	17.482	188	253281	20.00	ng	# 0.00
76) Chrysene-d12	21.771	240	250567	20.00	ng	0.00
86) Perylene-d12	25.085	264	265732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	71827	22.95	ng	0.00
7) Phenol-d6	7.241	99	97437	21.83	ng	0.00
23) Nitrobenzene-d5	9.256	82	76711	16.88	ng	0.00
42) 2,4,6-Tribromophenol	16.219	330	45019	20.30	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	167118	17.63	ng	0.00
79) Terphenyl-d14	20.085	244	245321	16.59	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.256	70	11250	3.51	ng	# 77
51) 2,6-Dinitrotoluene	14.732	165	16874	7.17	ng	# 13
54) 2,4-Dinitrophenol	14.838	184	56	5.20	ng	# 8
57) 2,4-Dinitrotoluene	14.732	165	16874	5.05	ng	# 18
71) Phenanthrene	17.523	178	63220	4.33	ng	94
75) Fluoranthene	19.532	202	115809	6.34	ng	98
78) Pyrene	19.891	202	101157	5.44	ng	99
81) Benzo(a)anthracene	21.747	228	56835	3.04	ng	98
83) Chrysene	21.818	228	55738	3.14	ng	96
88) Benzo(b)fluoranthene	24.027	252	78018	4.07	ng	# 95
89) Benzo(k)fluoranthene	24.027	252	78018	4.26	ng	# 98
90) Benzo(a)pyrene	24.920	252	49446	2.80	ng	# 94
92) Benzo(g,h,i)perylene	30.044	276	36670	2.08	ng	# 88

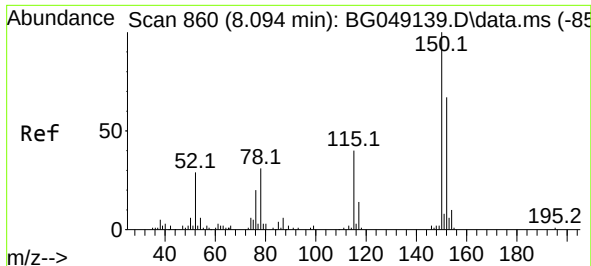
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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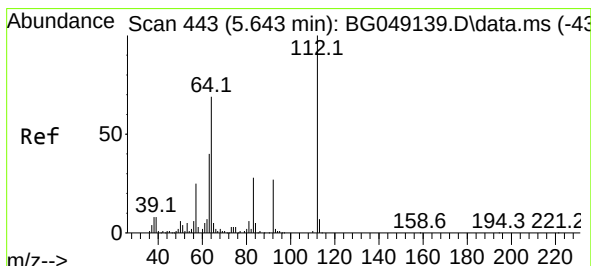
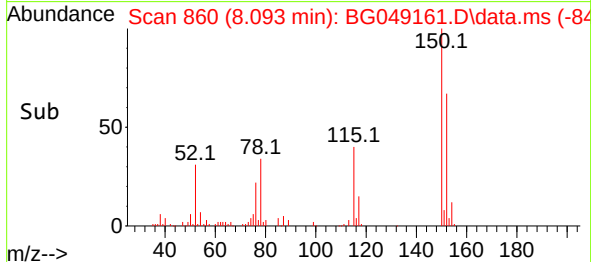
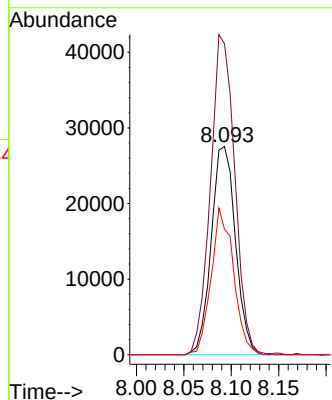
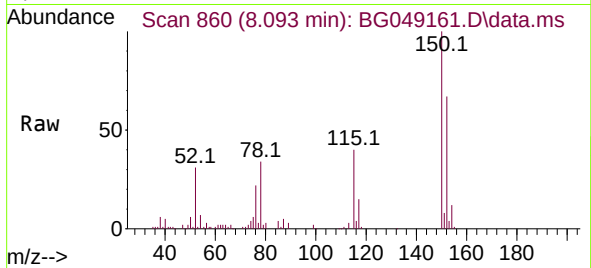




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.093 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

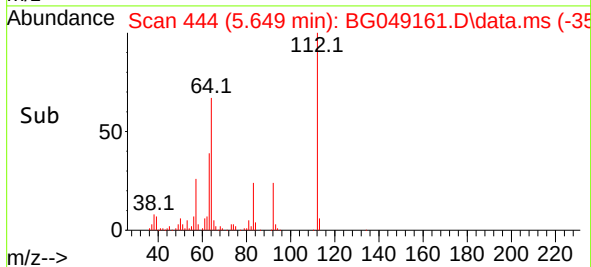
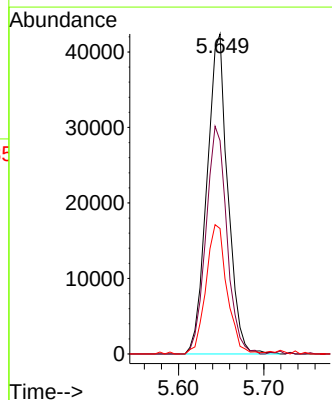
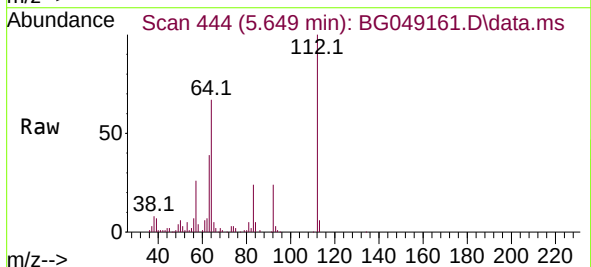
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

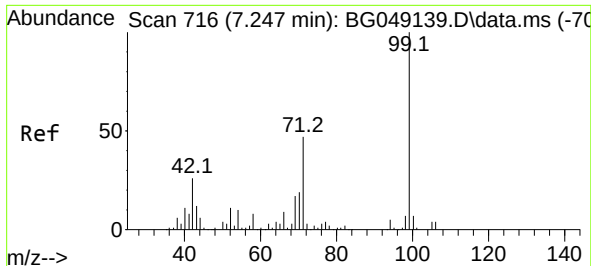
Tgt Ion:152 Resp: 49030
Ion Ratio Lower Upper
152 100
150 149.3 119.4 179.0
115 60.2 60.2 90.4#



#5
2-Fluorophenol
Concen: 22.95 ng
RT: 5.649 min Scan# 444
Delta R.T. 0.005 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:112 Resp: 71827
Ion Ratio Lower Upper
112 100
64 66.6 46.7 70.1
63 39.2 35.3 52.9

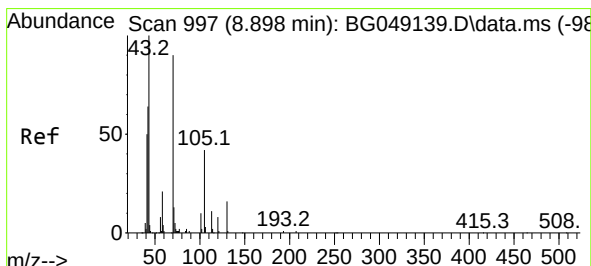
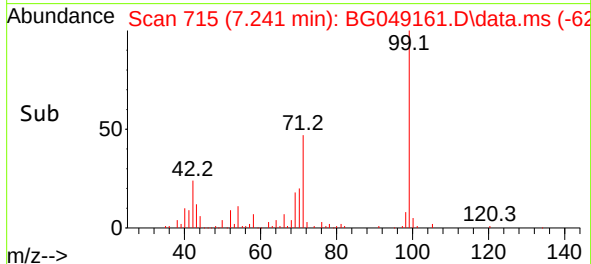
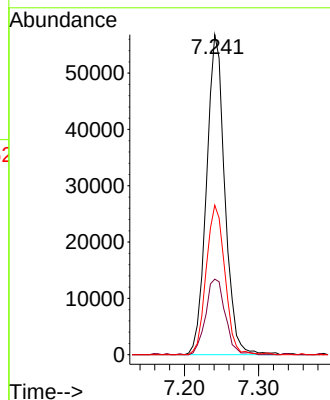
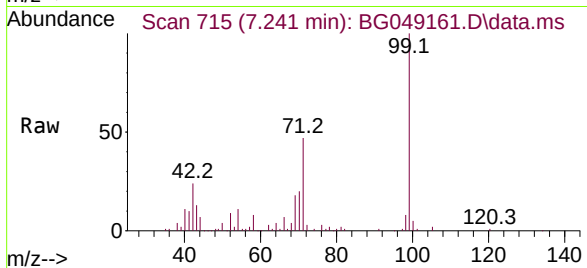




#7
Phenol-d6
Concen: 21.83 ng
RT: 7.241 min Scan# 715
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

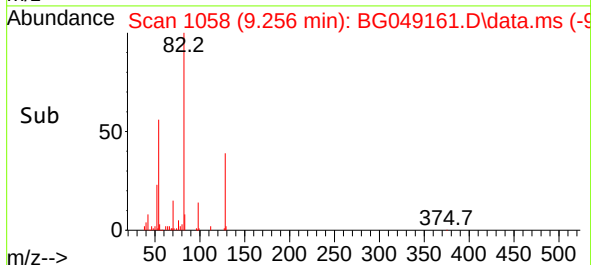
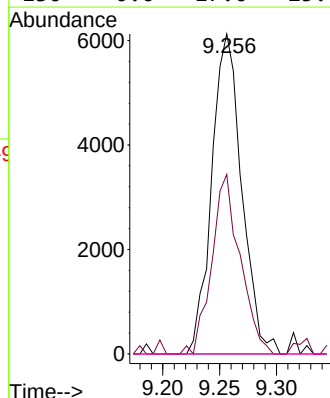
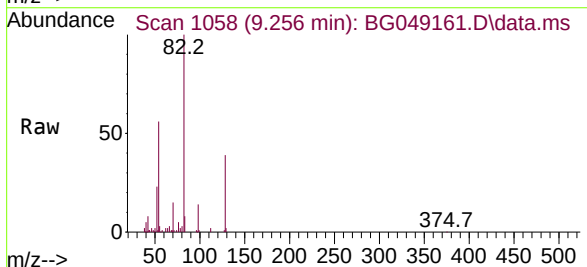
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

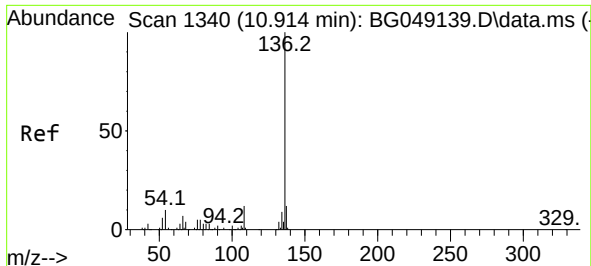
Tgt Ion: 99 Resp: 97437
Ion Ratio Lower Upper
99 100
42 23.6 20.5 30.7
71 46.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 3.51 ng
RT: 9.256 min Scan# 1058
Delta R.T. 0.358 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion: 70 Resp: 11250
Ion Ratio Lower Upper
70 100
42 56.1 54.5 81.7
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

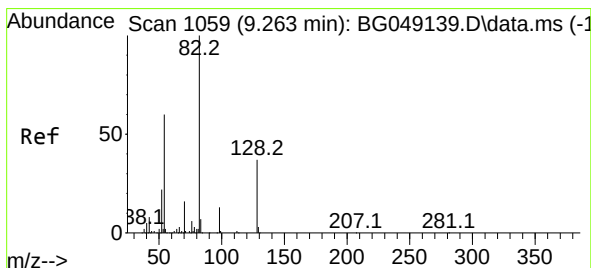
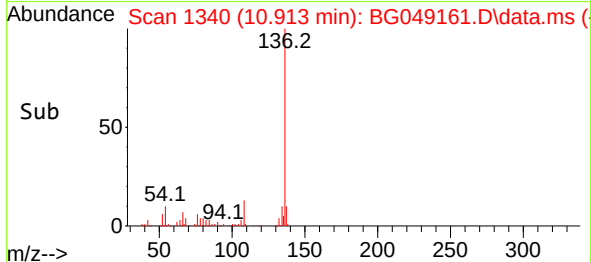
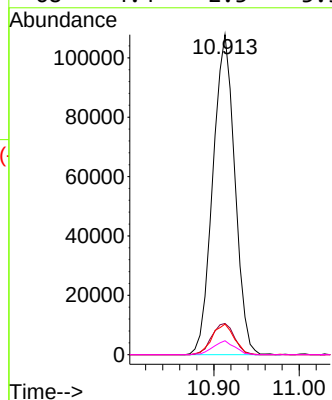
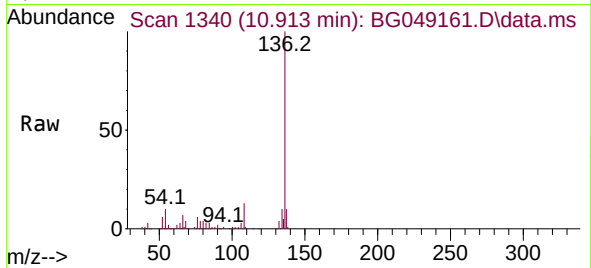




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.913 min Scan# 1340
Delta R.T. -0.001 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

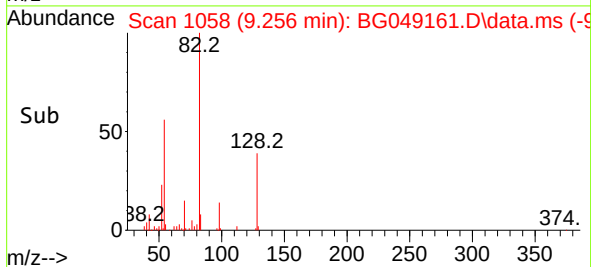
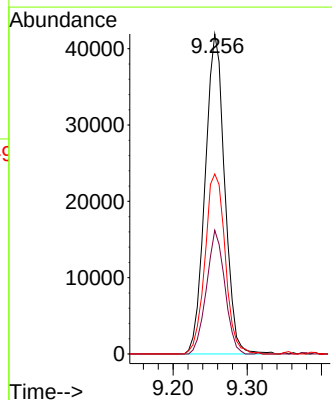
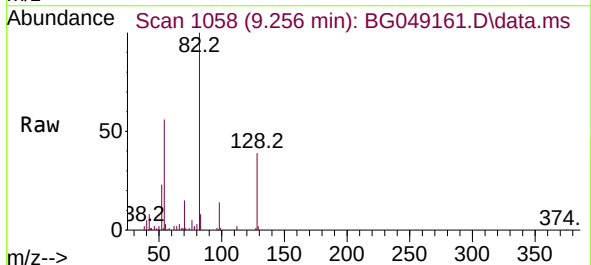
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

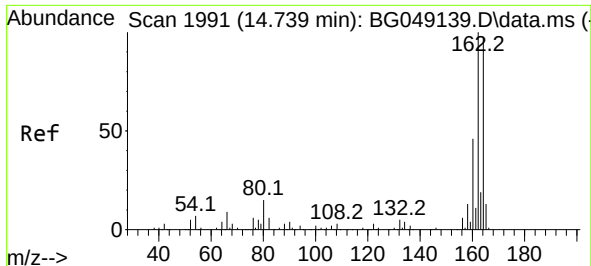
Tgt Ion:136	Resp:	192645
Ion Ratio	Lower	Upper
136	100	
137	9.8	8.2 12.2
54	9.5	5.5 8.3#
68	4.4	2.3 3.5#



#23
Nitrobenzene-d5
Concen: 16.88 ng
RT: 9.256 min Scan# 1058
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion: 82	Resp:	76711
Ion Ratio	Lower	Upper
82	100	
128	38.6	29.8 44.6
54	56.3	45.8 68.8

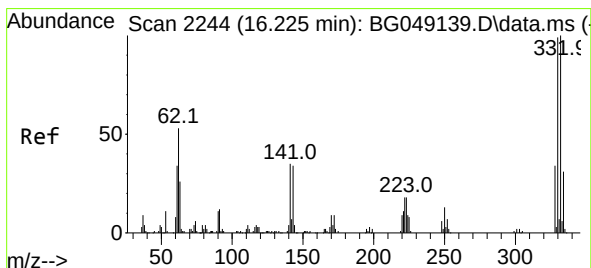
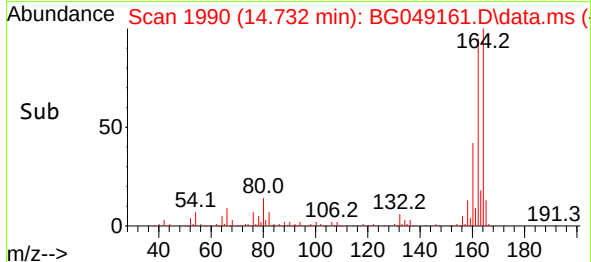
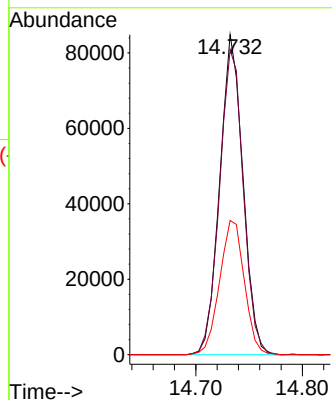
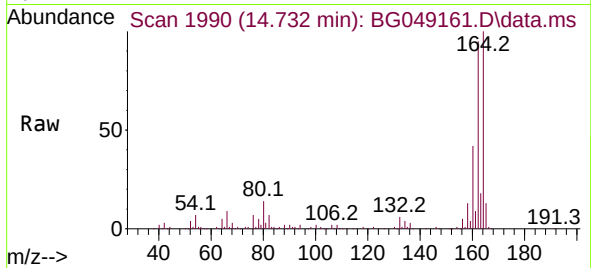




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.732 min Scan# 1990
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

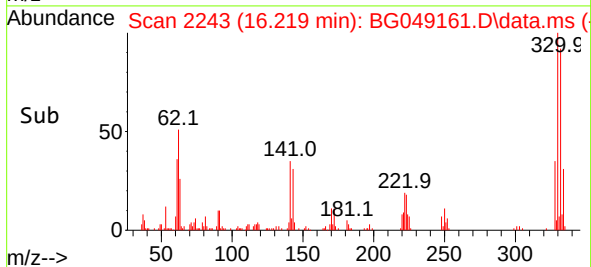
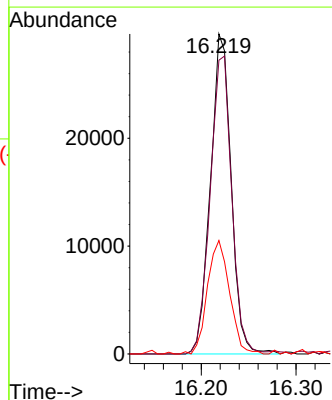
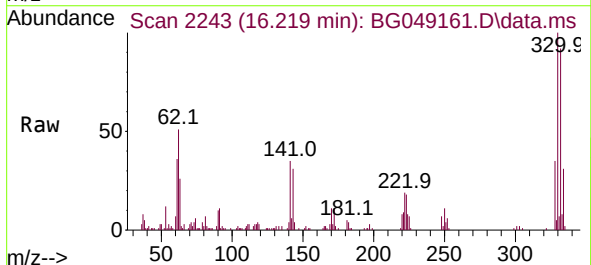
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

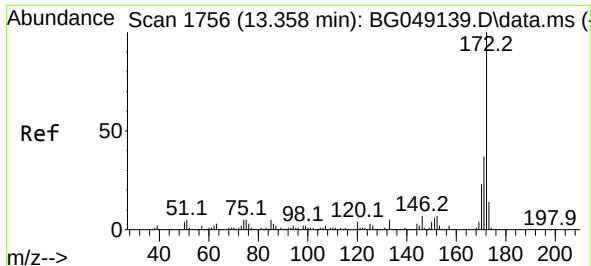
Tgt Ion:164 Resp: 127902
Ion Ratio Lower Upper
164 100
162 95.4 81.4 122.0
160 42.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 20.30 ng
RT: 16.219 min Scan# 2243
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:330 Resp: 45019
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 37.9 35.6 53.4

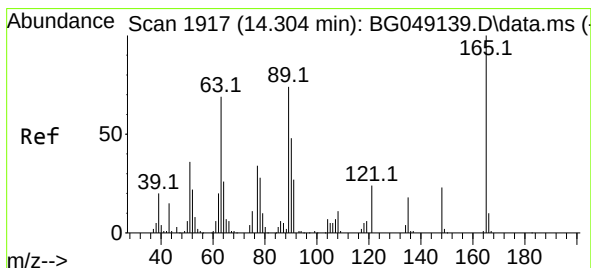
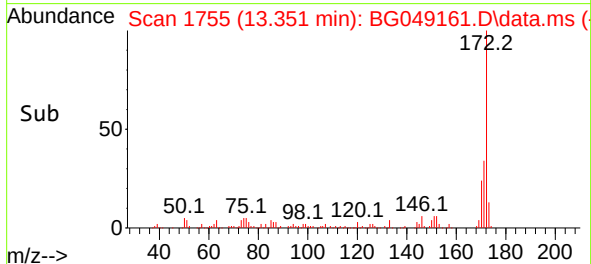
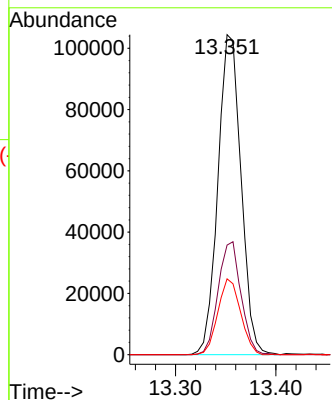
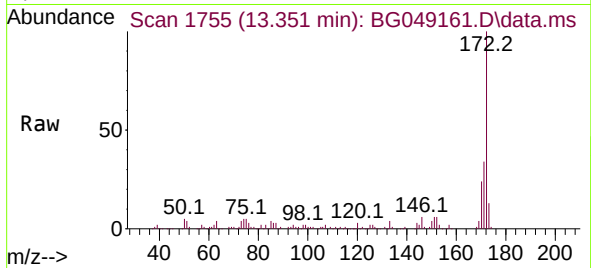




#45
2-Fluorobiphenyl
Concen: 17.63 ng
RT: 13.351 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

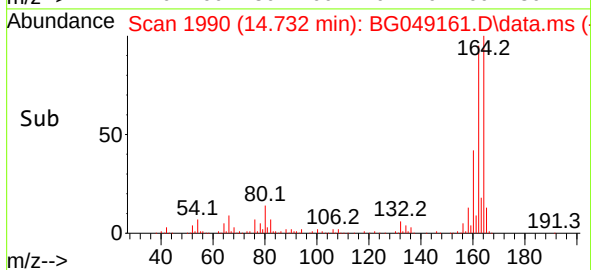
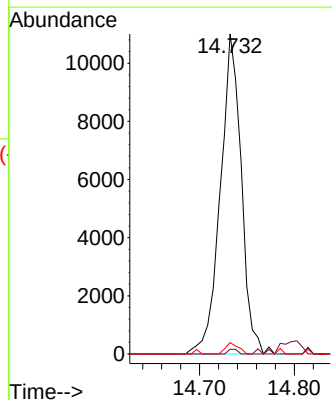
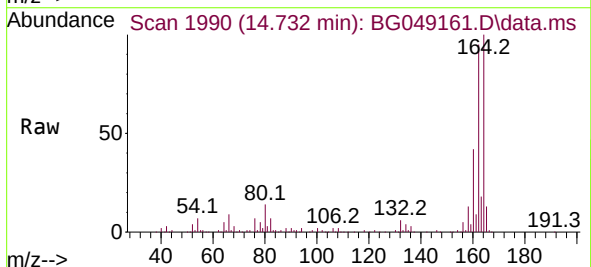
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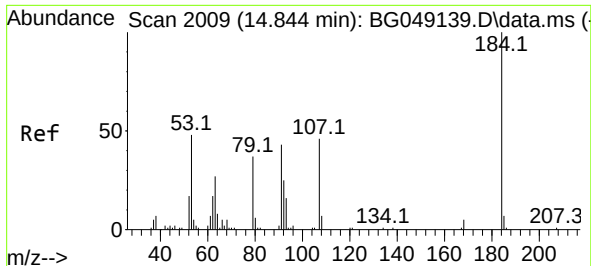
Tgt Ion:172 Resp: 167118
Ion Ratio Lower Upper
172 100
171 34.2 28.6 43.0
170 23.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.17 ng
RT: 14.732 min Scan# 1990
Delta R.T. 0.428 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:165 Resp: 16874
Ion Ratio Lower Upper
165 100
63 1.4 63.3 94.9#
89 3.5 63.4 95.0#

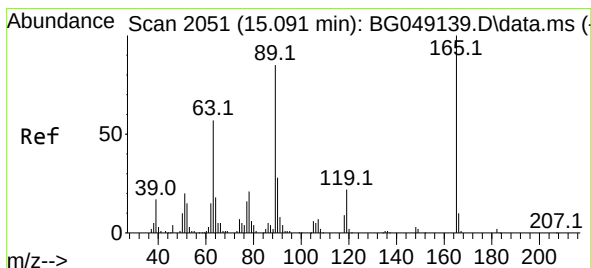
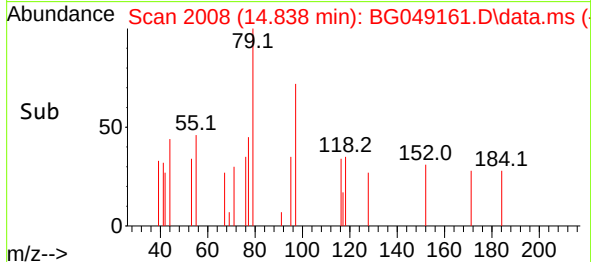
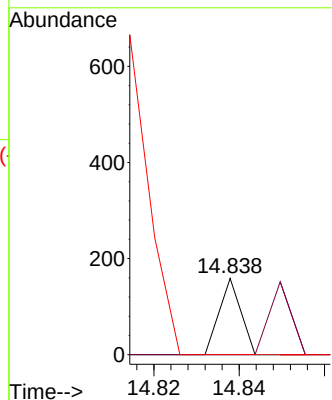
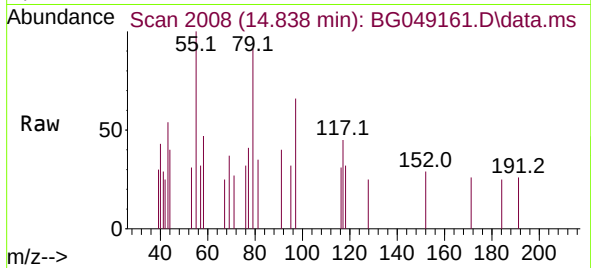




#54
2,4-Dinitrophenol
Concen: 5.20 ng
RT: 14.838 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

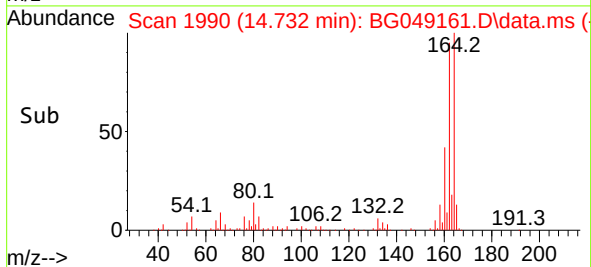
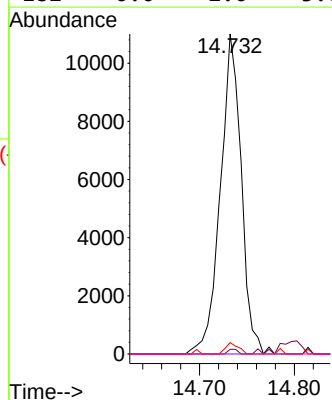
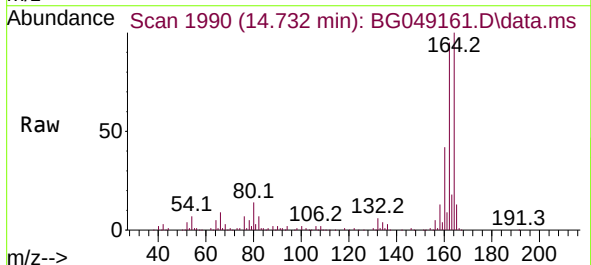
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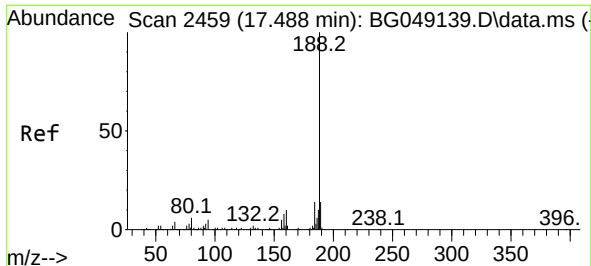
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#



#57
2,4-Dinitrotoluene
Concen: 5.05 ng
RT: 14.732 min Scan# 1990
Delta R.T. -0.359 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:165 Resp: 16874
Ion Ratio Lower Upper
165 100
63 1.4 48.0 72.0#
89 3.5 65.4 98.0#
182 0.0 2.0 3.0#

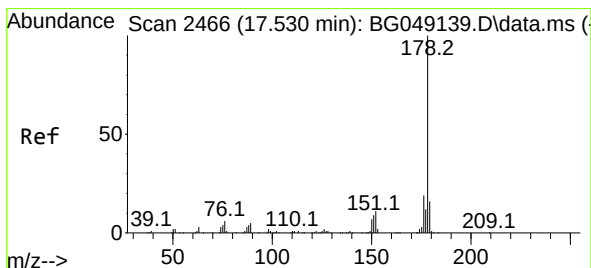
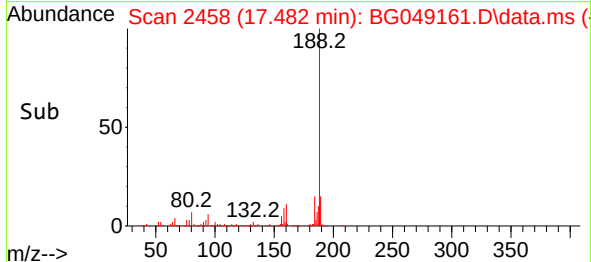
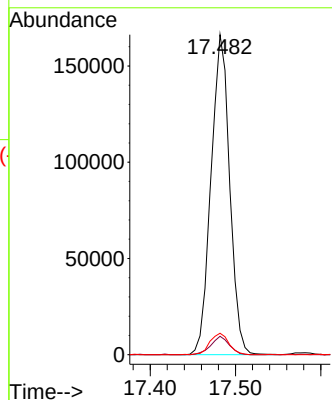
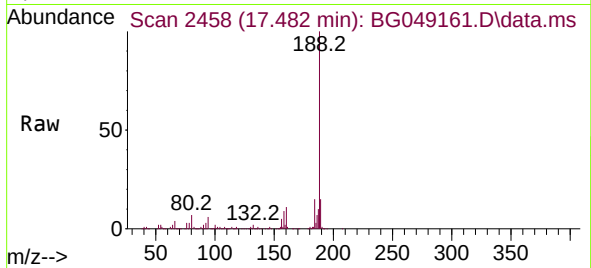




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.482 min Scan# 2458
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

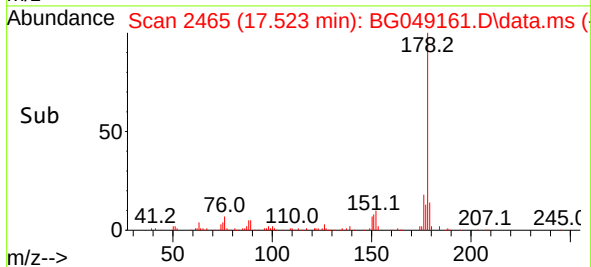
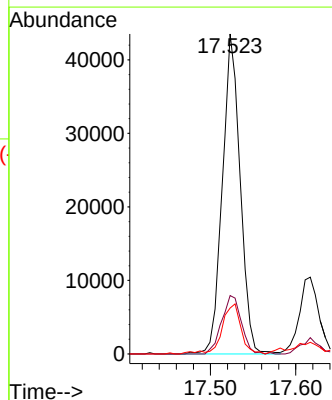
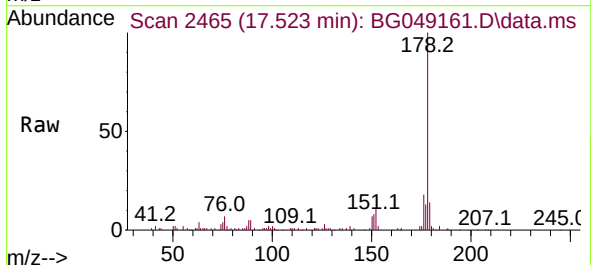
Instrument :
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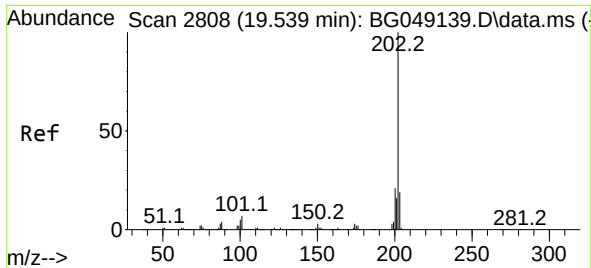
Tgt Ion:188 Resp: 253281
Ion Ratio Lower Upper
188 100
94 5.8 5.4 8.0
80 6.7 3.7 5.5#



#71
Phenanthrene
Concen: 4.33 ng
RT: 17.523 min Scan# 2465
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:178 Resp: 63220
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 14.4 14.2 21.4

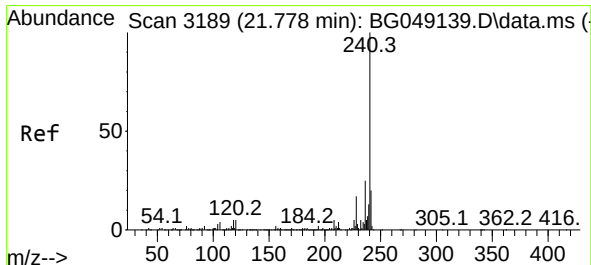
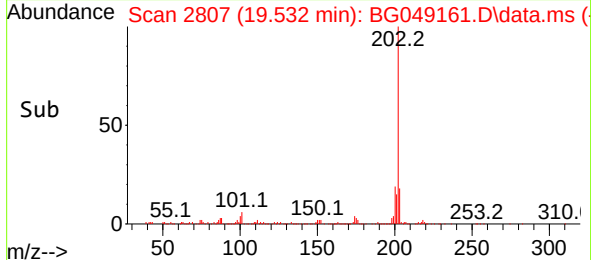
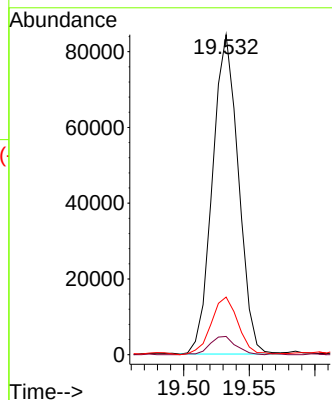
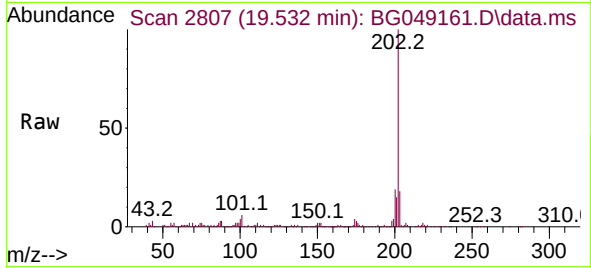




#75
Fluoranthene
Concen: 6.34 ng
RT: 19.532 min Scan# 2807
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

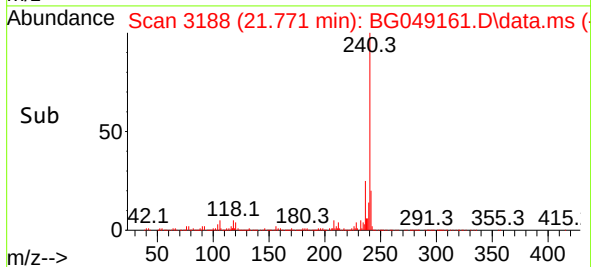
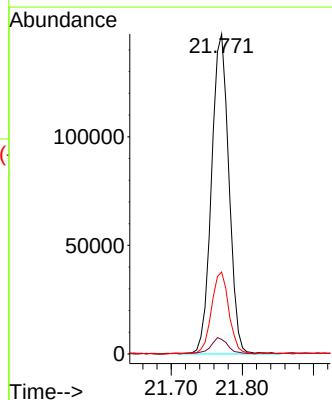
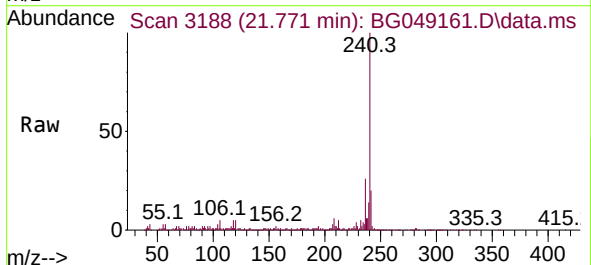
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

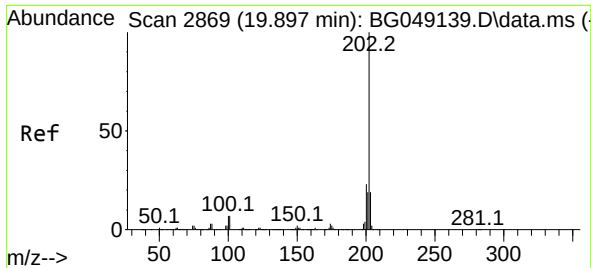
Tgt Ion:202 Resp: 115809
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 18.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.771 min Scan# 3188
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:240 Resp: 250567
Ion Ratio Lower Upper
240 100
120 4.6 4.2 6.2
236 25.6 21.8 32.6

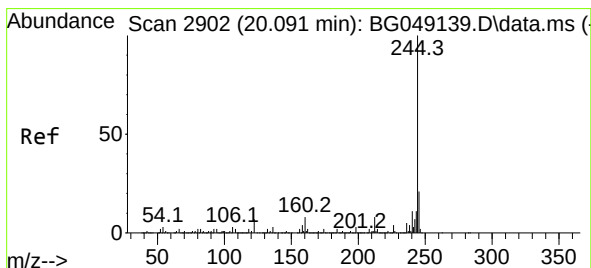
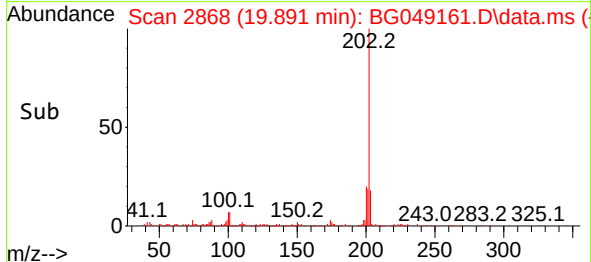
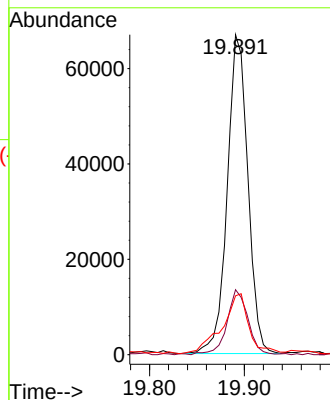
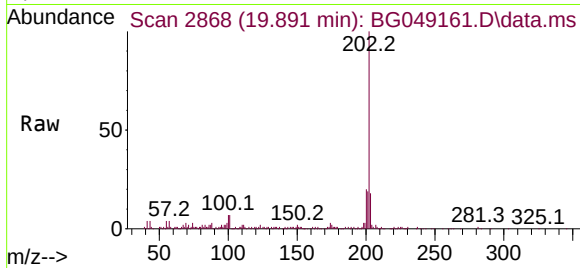




#78
Pyrene
Concen: 5.44 ng
RT: 19.891 min Scan# 2868
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

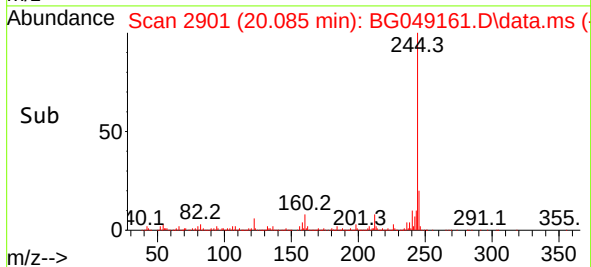
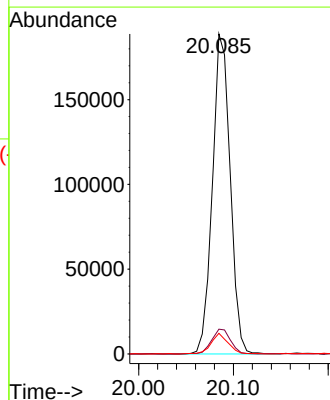
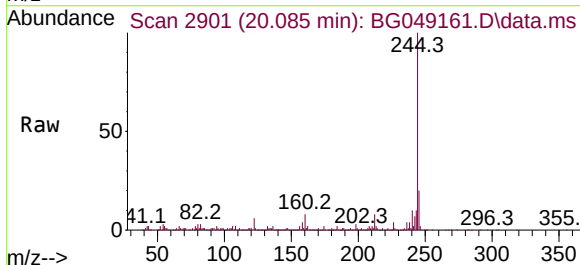
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

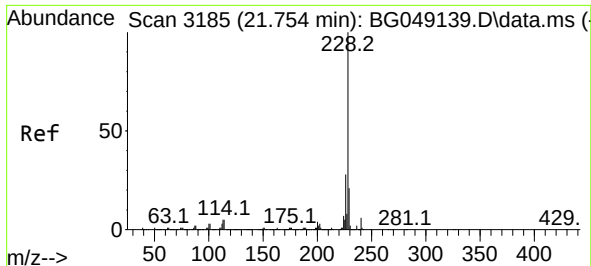
Tgt Ion:202	Resp:	101157
Ion Ratio	Lower	Upper
202	100	
200	20.3	15.8 23.8
203	18.4	14.6 21.8



#79
Terphenyl-d14
Concen: 16.59 ng
RT: 20.085 min Scan# 2901
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Tgt Ion:244	Resp:	245321
Ion Ratio	Lower	Upper
244	100	
212	7.8	6.9 10.3
122	6.5	5.0 7.6

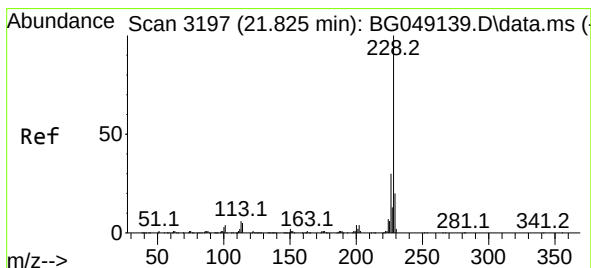
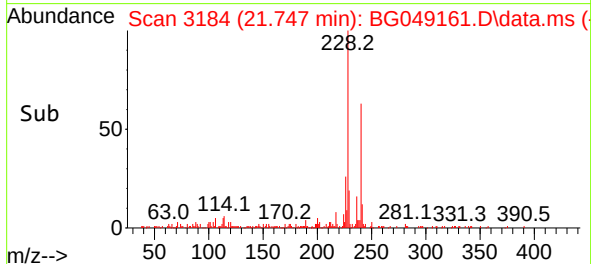
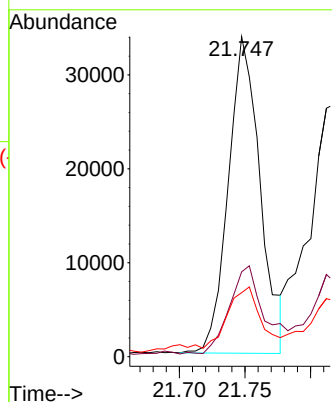
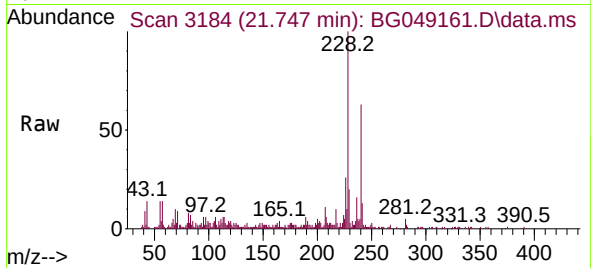




#81
Benzo(a)anthracene
Concen: 3.04 ng
RT: 21.747 min Scan# 3184
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

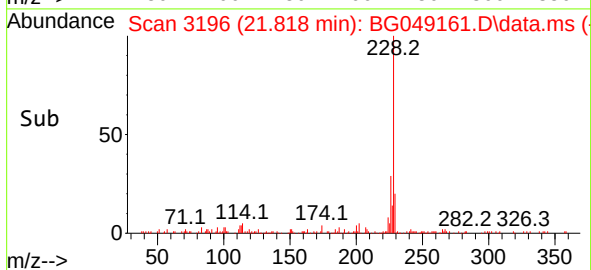
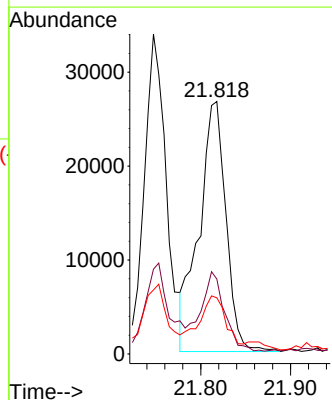
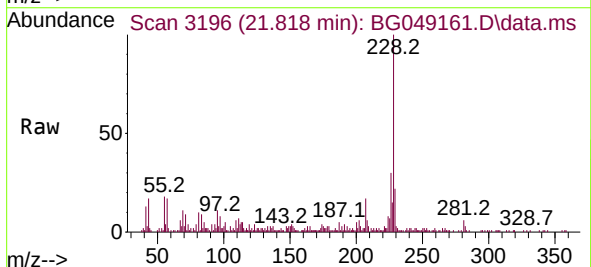
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

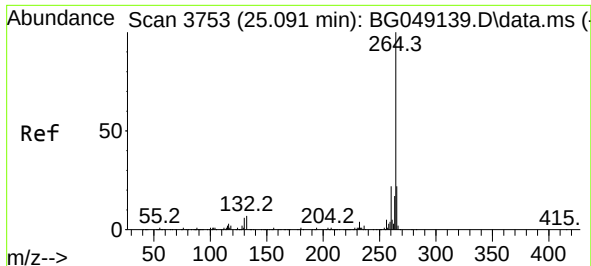
Tgt Ion:228 Resp: 56835
Ion Ratio Lower Upper
228 100
226 26.5 22.7 34.1
229 20.0 16.0 24.0



#83
Chrysene
Concen: 3.14 ng
RT: 21.818 min Scan# 3196
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

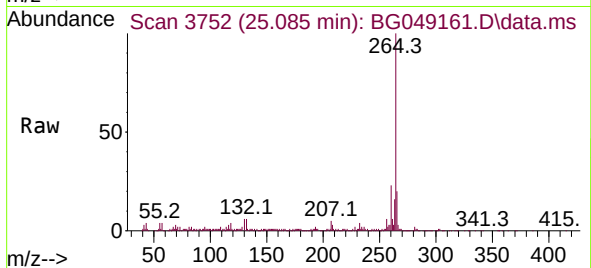
Tgt Ion:228 Resp: 55738
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 22.2 15.3 22.9



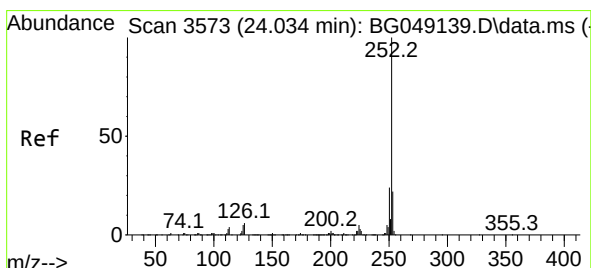
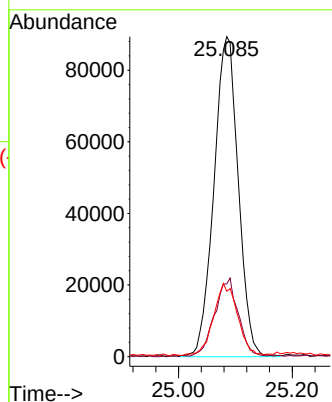
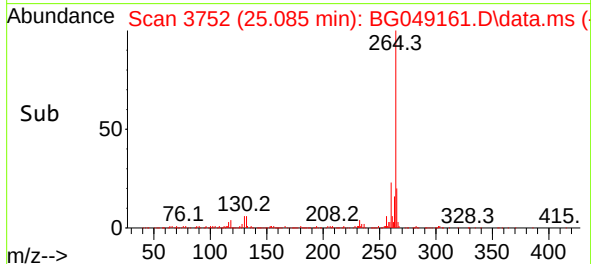


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.085 min Scan# 3752
 Delta R.T. -0.007 min
 Lab File: BG049161.D
 Acq: 1 Jul 2021 20:04

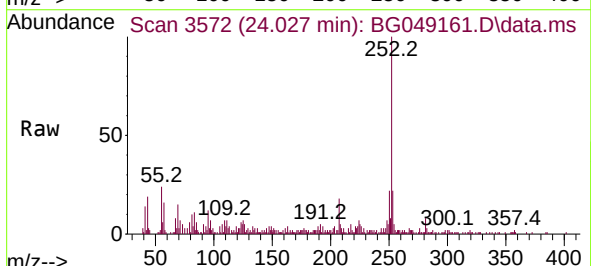
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-063021



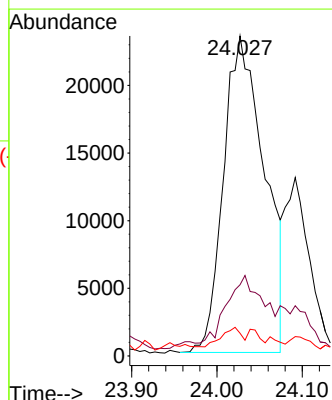
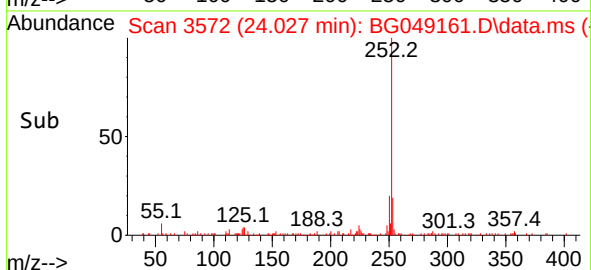
Tgt Ion:264 Resp: 265732
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.4 29.2
 265 20.4 16.9 25.3

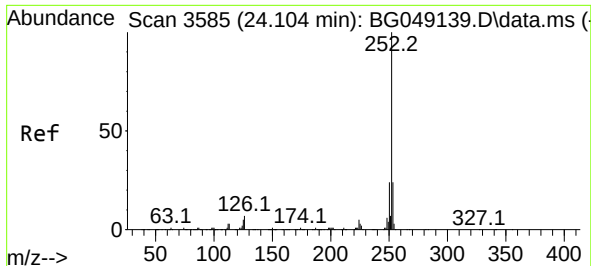


#88
 Benzo(b)fluoranthene
 Concen: 4.07 ng
 RT: 24.027 min Scan# 3572
 Delta R.T. -0.007 min
 Lab File: BG049161.D
 Acq: 1 Jul 2021 20:04



Tgt Ion:252 Resp: 78018
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.2 24.4
 125 7.1 3.0 4.4#

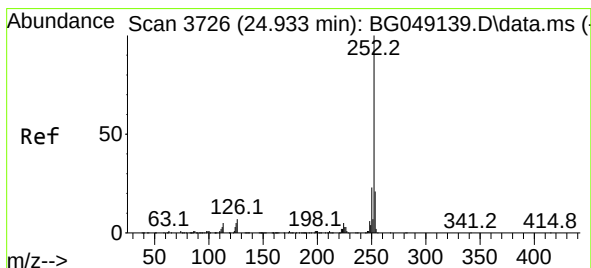
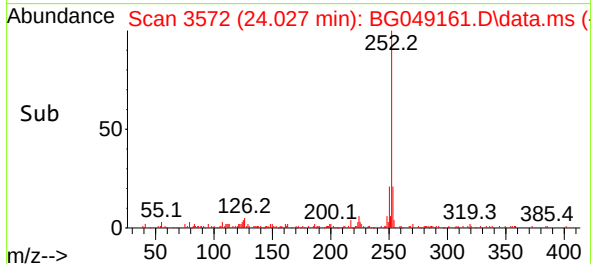
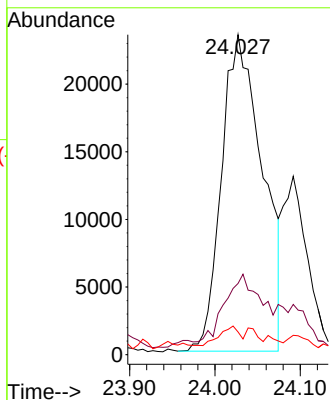
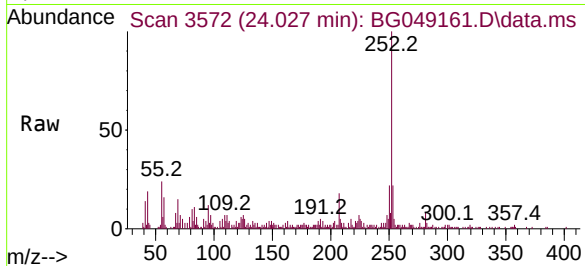




#89
Benzo(k)fluoranthene
Concen: 4.26 ng
RT: 24.027 min Scan# 3572
Delta R.T. -0.077 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

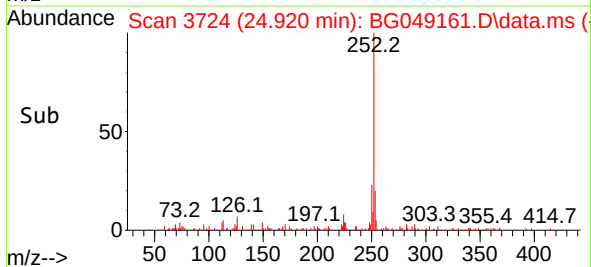
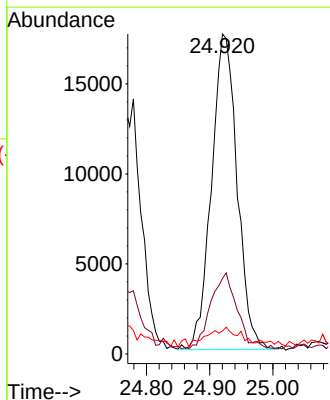
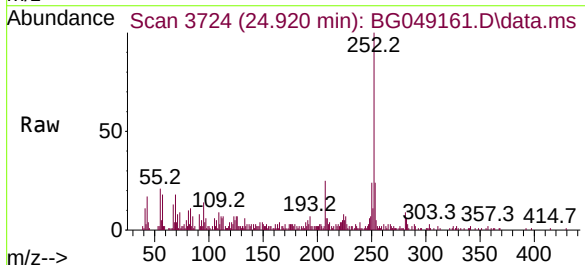
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

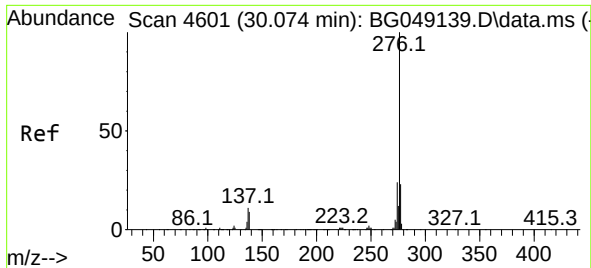
Tgt Ion:252 Resp: 78018
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 7.1 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.80 ng
RT: 24.920 min Scan# 3724
Delta R.T. -0.012 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

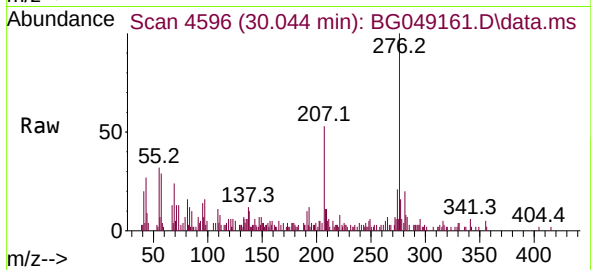
Tgt Ion:252 Resp: 49446
Ion Ratio Lower Upper
252 100
253 23.6 16.6 25.0
125 7.2 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 2.08 ng
 RT: 30.044 min Scan# 4596
 Delta R.T. -0.030 min
 Lab File: BG049161.D
 Acq: 1 Jul 2021 20:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-063021



Tgt Ion: 276 Resp: 36670
 Ion Ratio Lower Upper
 276 100
 277 15.6 18.4 27.6#
 138 9.9 7.0 10.6

