

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)

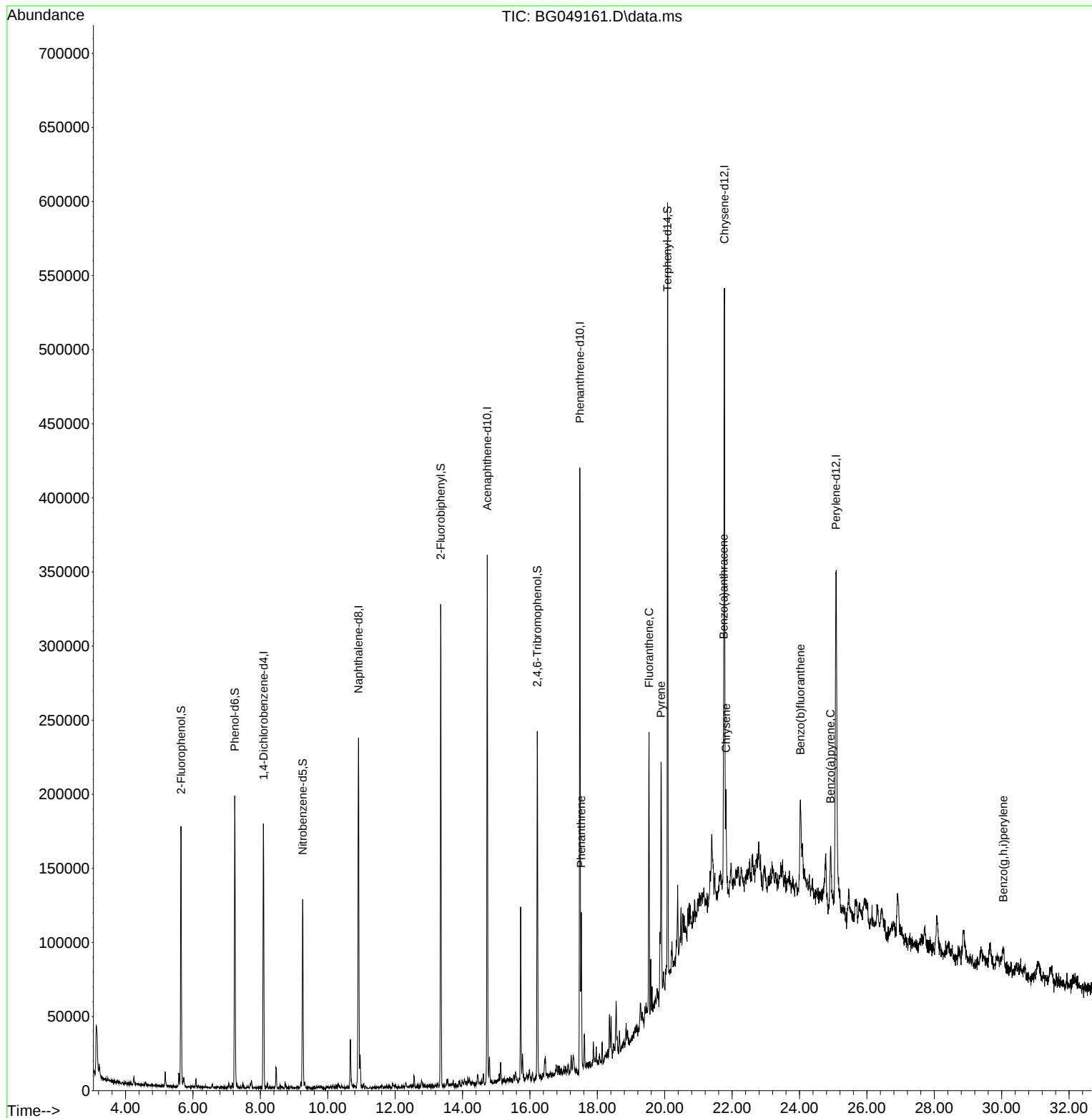
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	49030	20.000	ng	# 0.00
21) Naphthalene-d8	10.913	136	192645	20.000	ng	# 0.00
39) Acenaphthene-d10	14.732	164	127902	20.000	ng	0.00
64) Phenanthrene-d10	17.482	188	253281	20.000	ng	# 0.00
76) Chrysene-d12	21.771	240	250567	20.000	ng	0.00
86) Perylene-d12	25.085	264	265732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	71827	22.945	ng	0.00
7) Phenol-d6	7.241	99	97437	21.832	ng	0.00
23) Nitrobenzene-d5	9.256	82	76711	16.883	ng	0.00
42) 2,4,6-Tribromophenol	16.219	330	45019	20.304	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	167118	17.628	ng	0.00
79) Terphenyl-d14	20.085	244	245321	16.590	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.523	178	63220	4.335	ng	94
75) Fluoranthene	19.532	202	115809	6.343	ng	98
78) Pyrene	19.891	202	101157	5.435	ng	99
81) Benzo(a)anthracene	21.747	228	56835	3.041	ng	98
83) Chrysene	21.818	228	55738	3.139	ng	96
88) Benzo(b)fluoranthene	24.027	252	78018	4.069	ng	# 95
90) Benzo(a)pyrene	24.920	252	49446	2.795	ng	# 94
92) Benzo(g,h,i)perylene	30.044	276	36670	2.079	ng	# 88

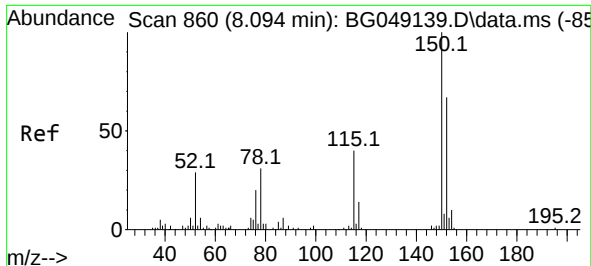
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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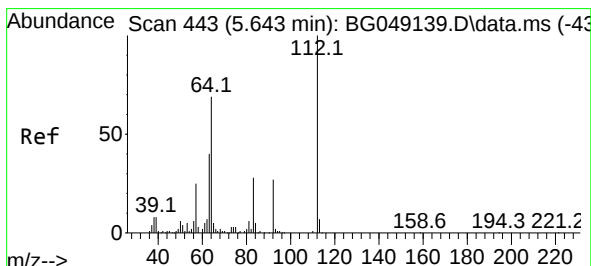
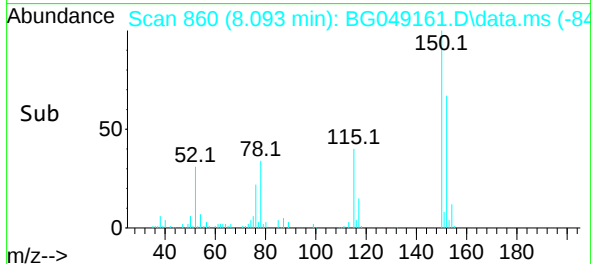
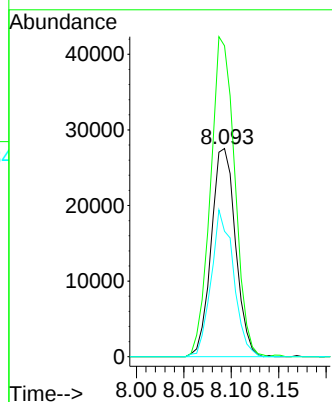
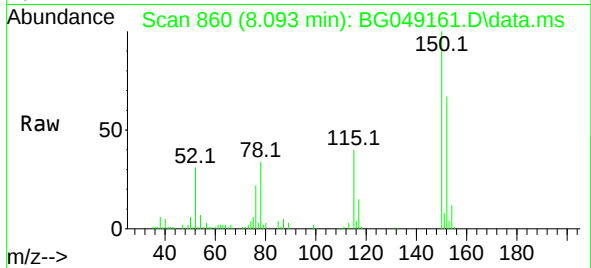




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

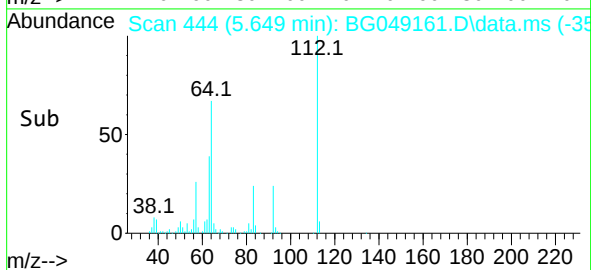
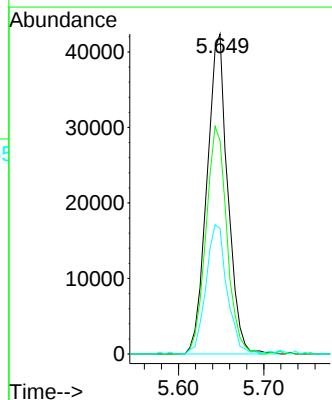
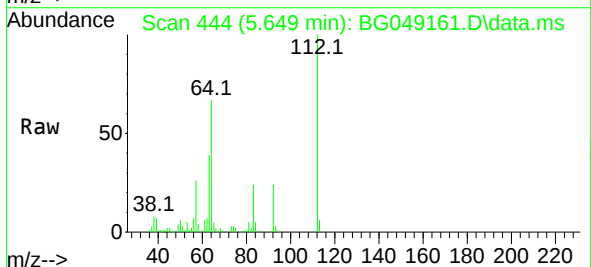
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

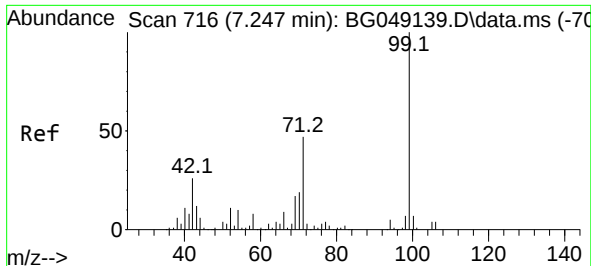
Tgt Ion:152 Resp: 49030
Ion Ratio Lower Upper
152 100
150 149.3 119.4 179.0
115 60.2 60.2 90.4#



#5
2-Fluorophenol
Concen: 22.945 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

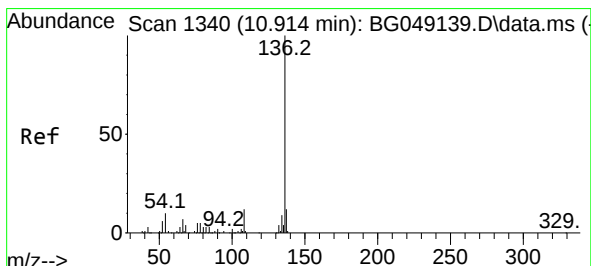
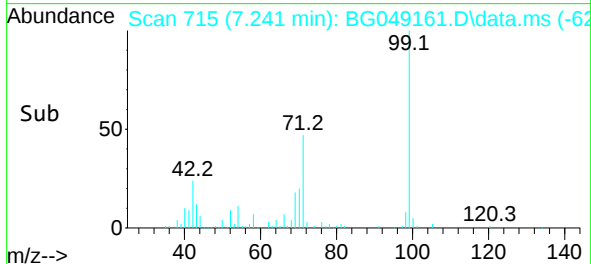
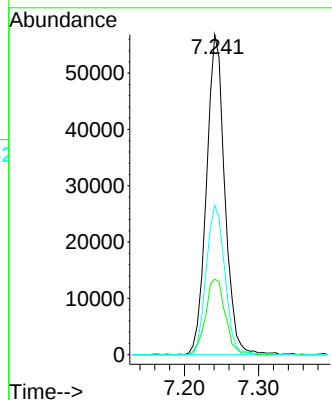
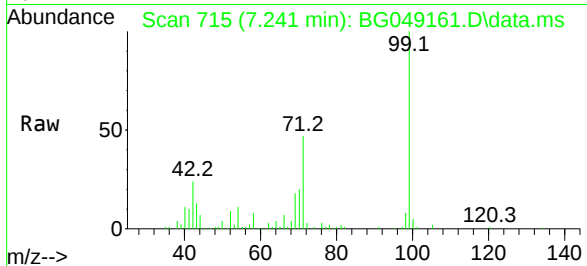




#7
Phenol-d6
Concen: 21.832 ng
RT: 7.241 min Scan# 715
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

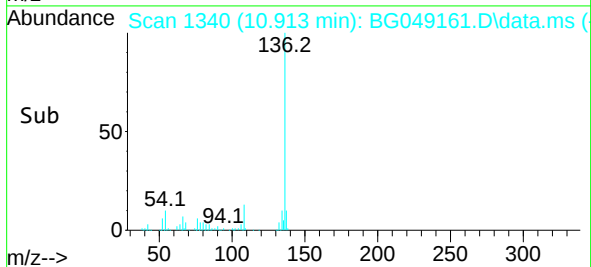
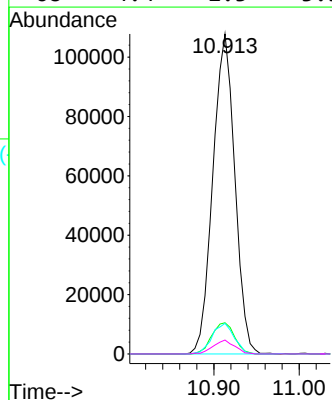
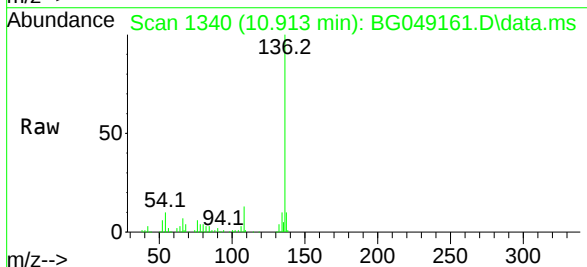
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

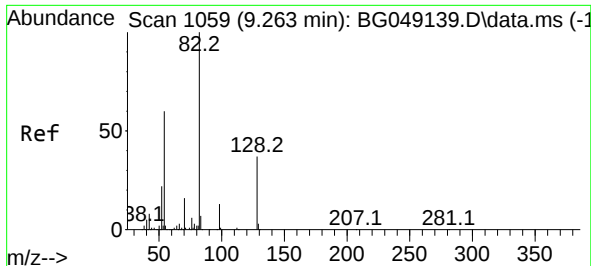
Tgt Ion: 99 Resp: 97437
Ion Ratio Lower Upper
99 100
42 23.6 20.5 30.7
71 46.7 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.913 min Scan# 1340
Delta R.T. -0.001 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

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: 16.883 ng

RT: 9.256 min Scan# 1058

Delta R.T. -0.007 min

Lab File: BG049161.D

Acq: 1 Jul 2021 20:04

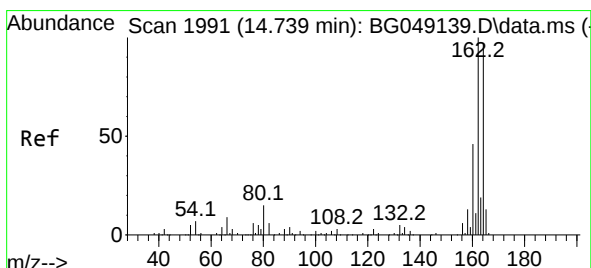
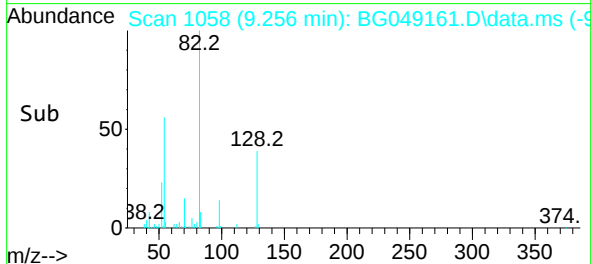
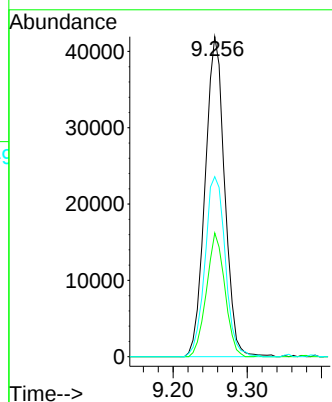
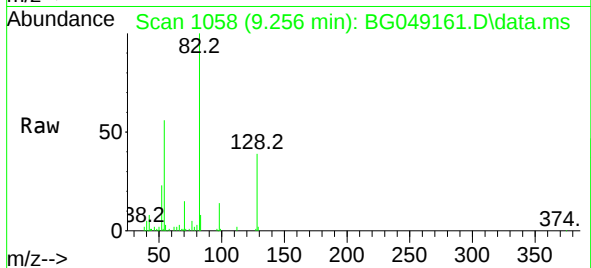
Tgt Ion: 82	Resp: 76711
Ion Ratio	Lower Upper
82 100	
128 38.6	29.8 44.6
54 56.3	45.8 68.8

Instrument :

BNA_G

ClientSampleId :

CL-01-063021



#39

Acenaphthene-d10

Concen: 20.000 ng

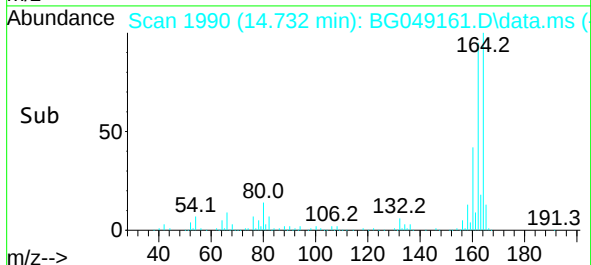
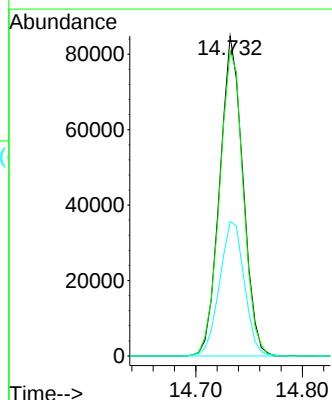
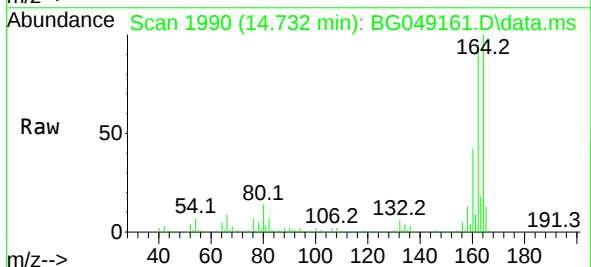
RT: 14.732 min Scan# 1990

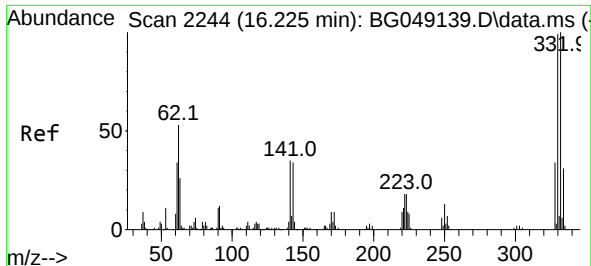
Delta R.T. -0.007 min

Lab File: BG049161.D

Acq: 1 Jul 2021 20:04

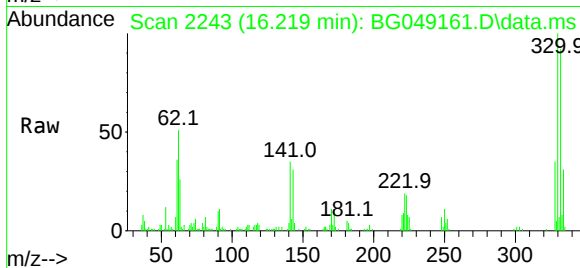
Tgt Ion: 164	Resp: 127902
Ion Ratio	Lower Upper
164 100	
162 95.4	81.4 122.0
160 42.0	34.9 52.3



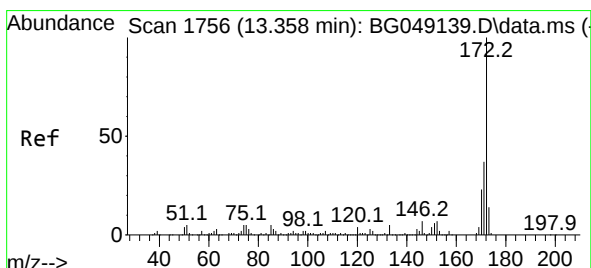
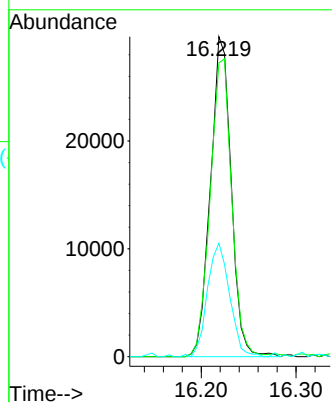
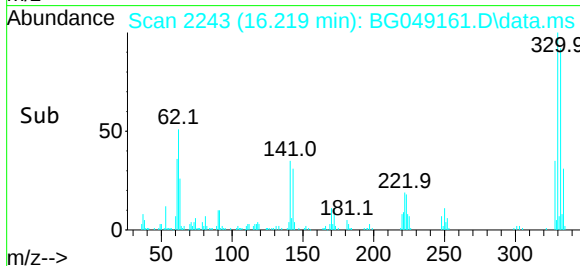


#42
2,4,6-Tribromophenol
Concen: 20.304 ng
RT: 16.219 min Scan# 2243
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

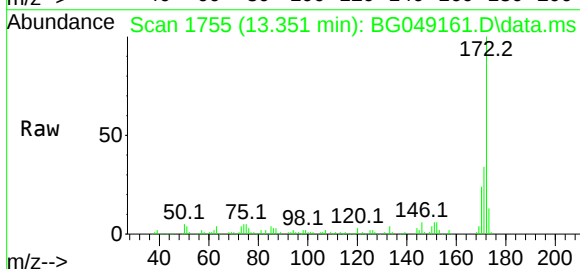
Instrument :
BNA_G
ClientSampleId :
CL-01-063021



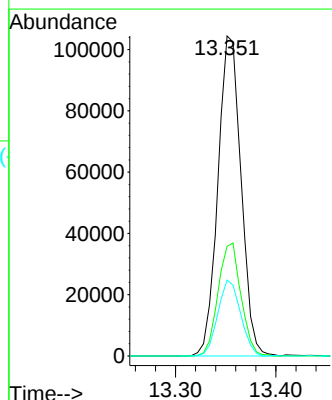
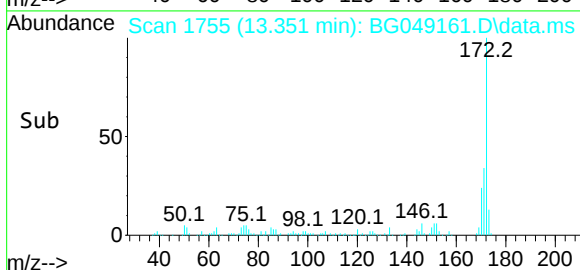
Tgt Ion:330 Resp: 45019
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 37.9 35.6 53.4

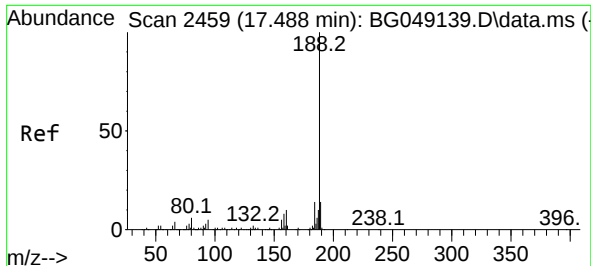


#45
2-Fluorobiphenyl
Concen: 17.628 ng
RT: 13.351 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04



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

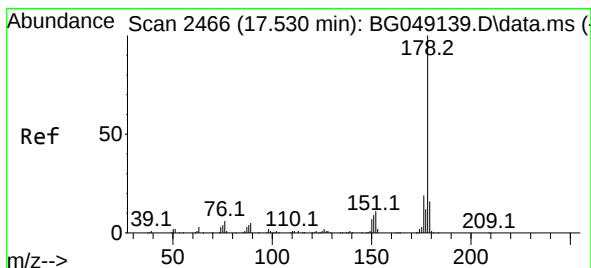
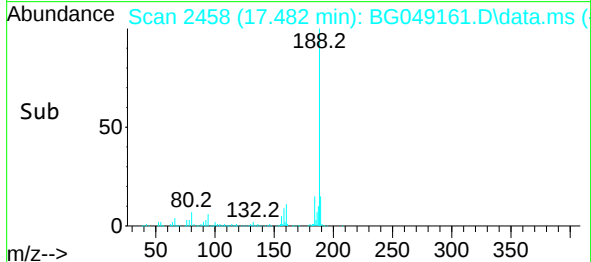
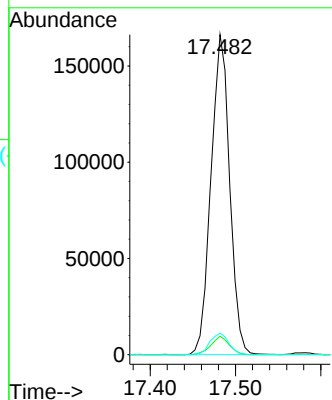
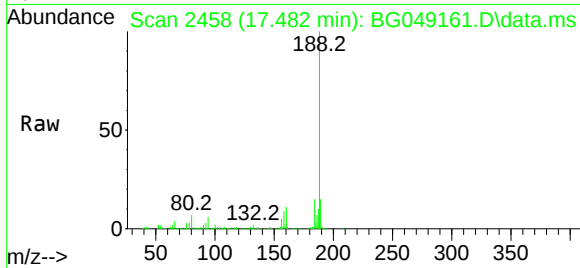




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.482 min Scan# 2458
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

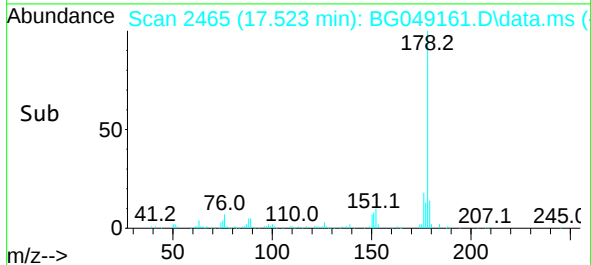
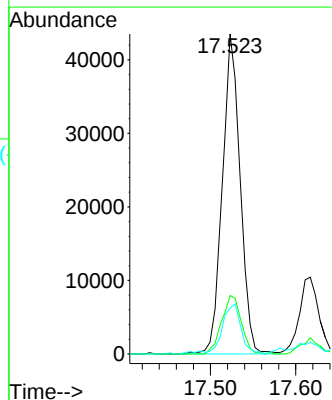
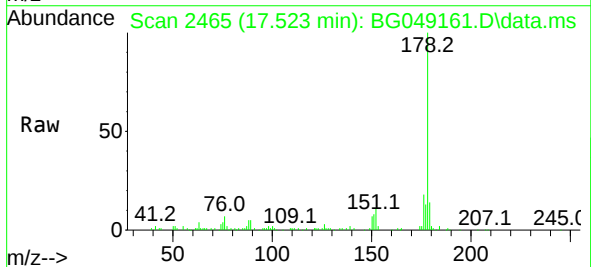
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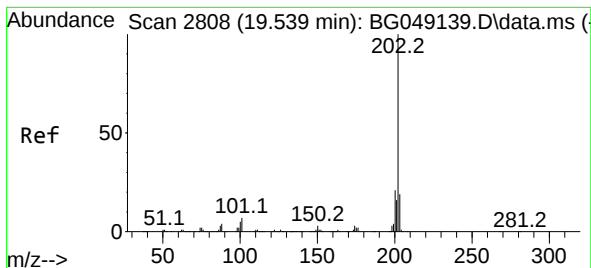
Tgt Ion:188 Resp: 253281
Ion Ratio Lower Upper
188 100
94 5.8 5.4 8.0
80 6.7 3.7 5.5#



#71
Phenanthrene
Concen: 4.335 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

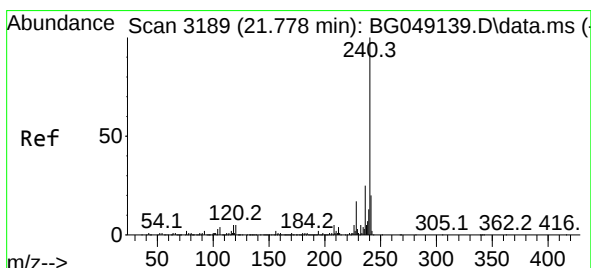
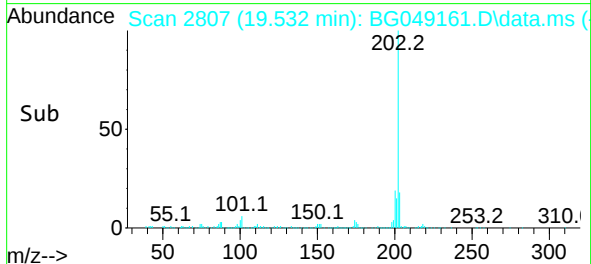
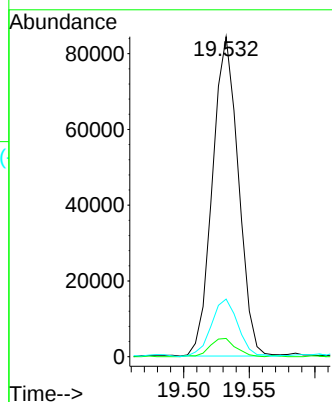
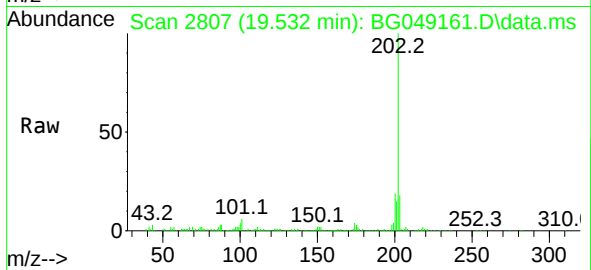




#75
Fluoranthene
Concen: 6.343 ng
RT: 19.532 min Scan# 2807
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

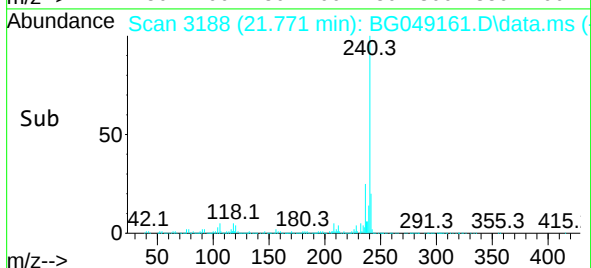
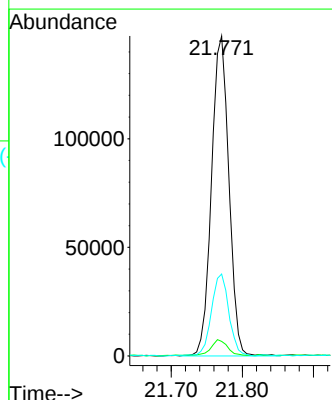
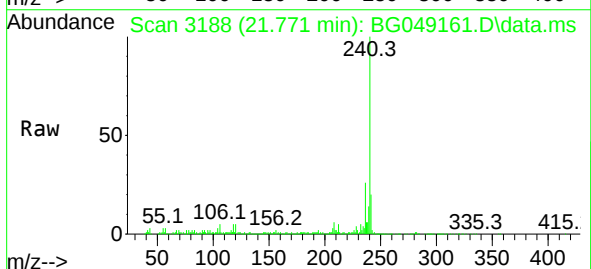
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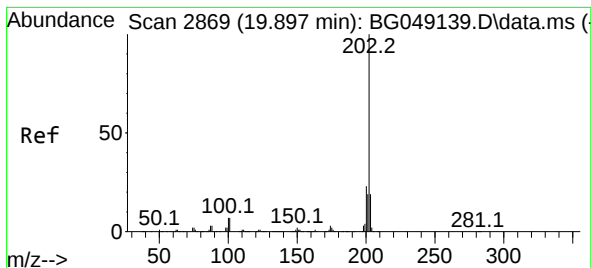
Tgt Ion:202 Resp: 115809
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 18.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 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: 5.435 ng

RT: 19.891 min Scan# 2868

Delta R.T. -0.007 min

Lab File: BG049161.D

Acq: 1 Jul 2021 20:04

Tgt Ion:202 Resp: 101157

Ion Ratio Lower Upper

202 100

200 20.3 15.8 23.8

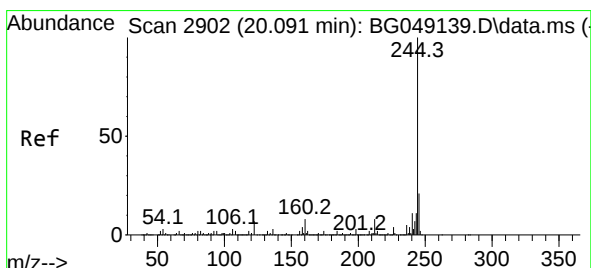
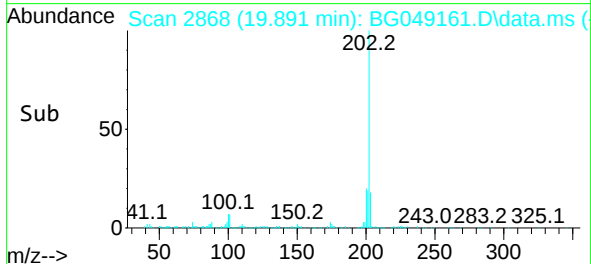
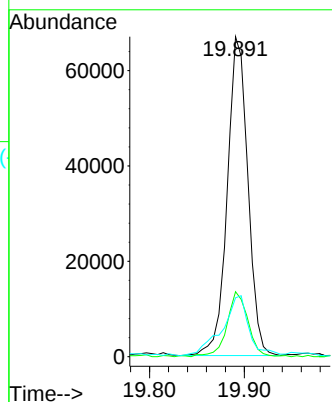
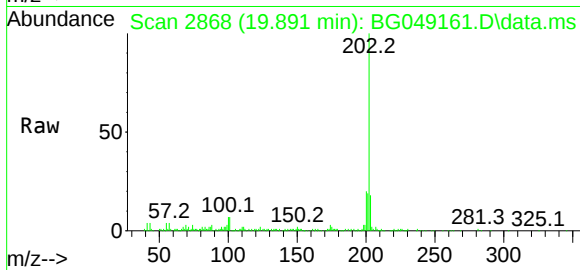
203 18.4 14.6 21.8

Instrument :

BNA_G

ClientSampleId :

CL-01-063021



#79

Terphenyl-d14

Concen: 16.590 ng

RT: 20.085 min Scan# 2901

Delta R.T. -0.007 min

Lab File: BG049161.D

Acq: 1 Jul 2021 20:04

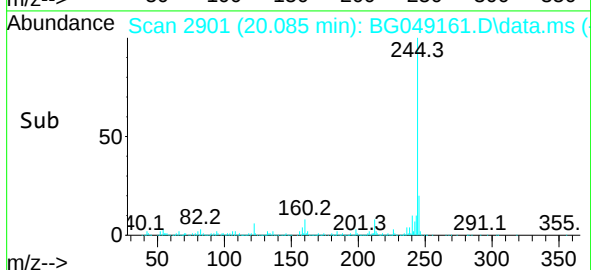
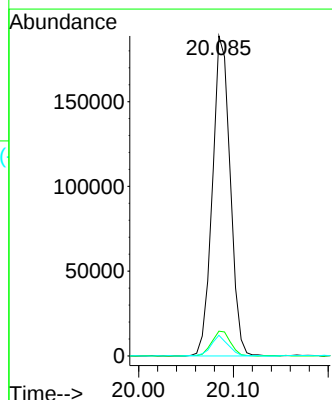
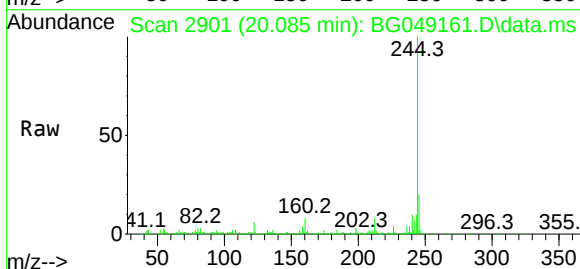
Tgt Ion:244 Resp: 245321

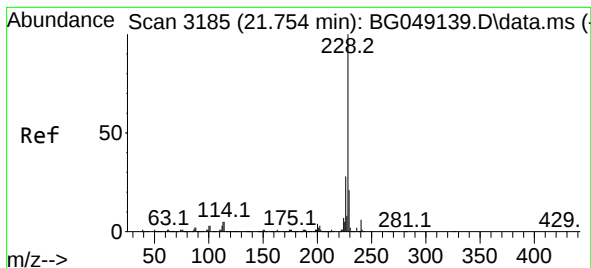
Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

122 6.5 5.0 7.6

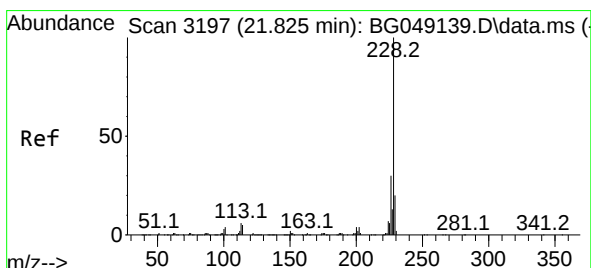
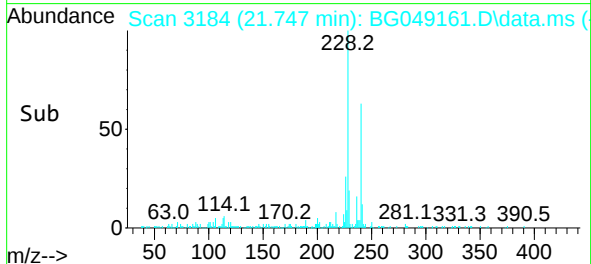
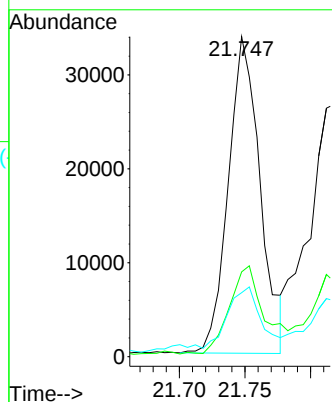
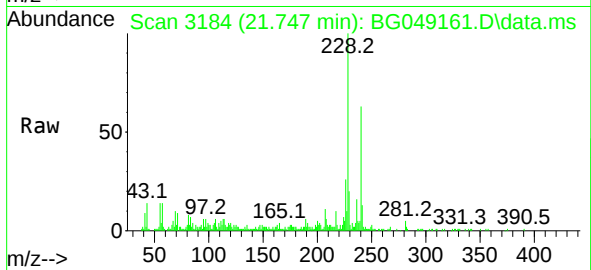




#81
Benzo(a)anthracene
Concen: 3.041 ng
RT: 21.747 min Scan# 3184
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

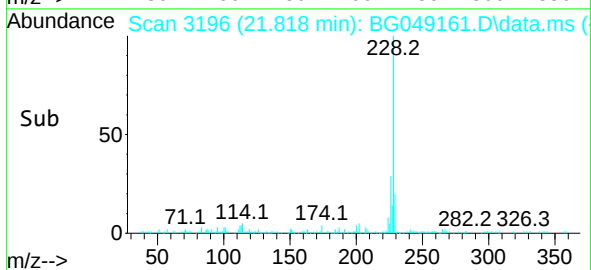
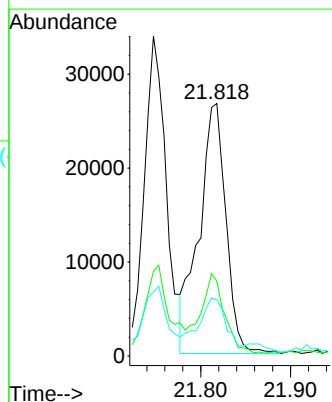
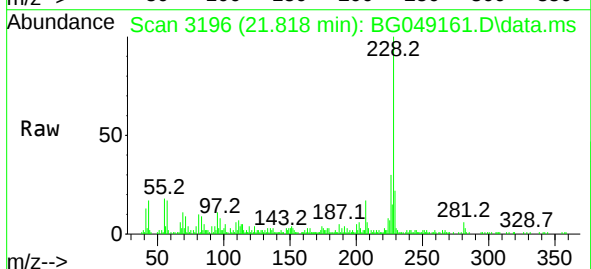
Instrument :
BNA_G
ClientSampleId :
CL-01-063021

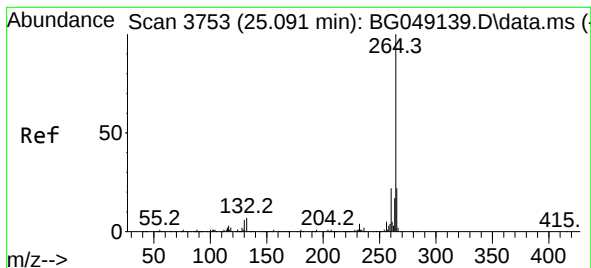
Tgt Ion:228 Resp: 56835
Ion Ratio Lower Upper
228 100
226 26.5 22.7 34.1
229 20.0 16.0 24.0



#83
Chrysene
Concen: 3.139 ng
RT: 21.818 min Scan# 3196
Delta R.T. -0.007 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

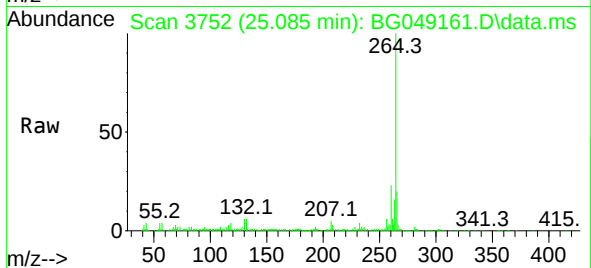
Tgt Ion:228 Resp: 55738
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 22.2 15.3 22.9



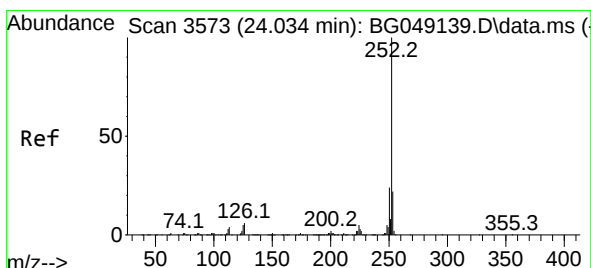
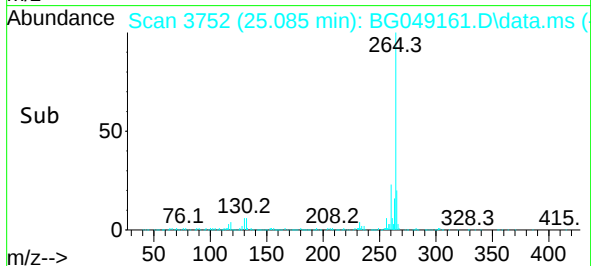
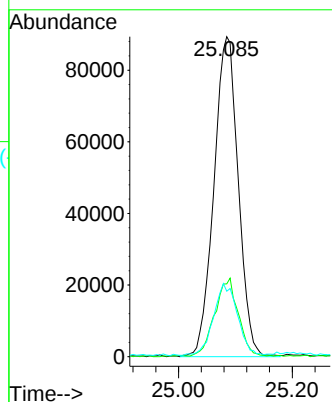


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.085 min Scan# 3752
 Delta R.T. -0.007 min
 Lab File: BG049161.D
 Acq: 1 Jul 2021 20:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-063021

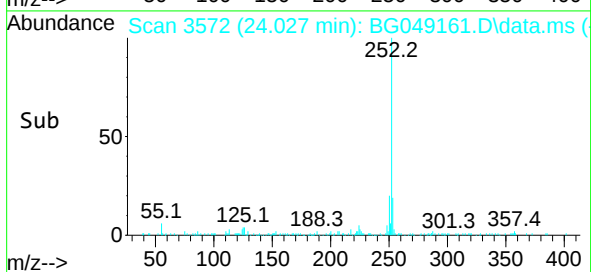
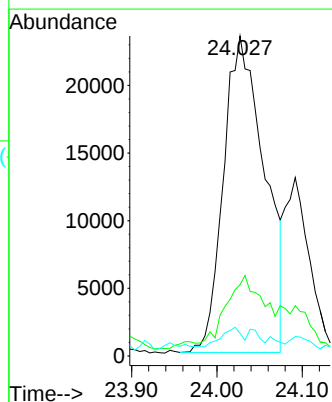
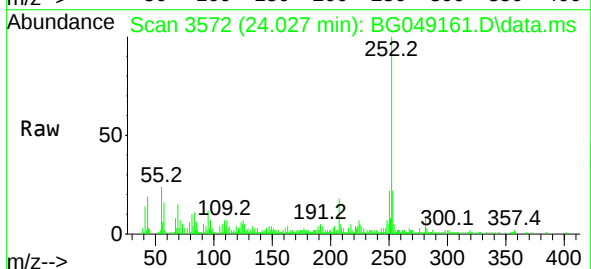


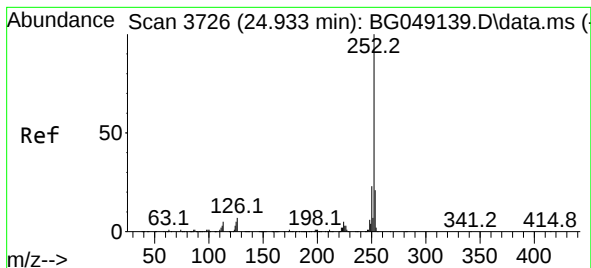
Tgt Ion:264 Resp: 265732
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.4 29.2
 265 20.4 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.069 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#

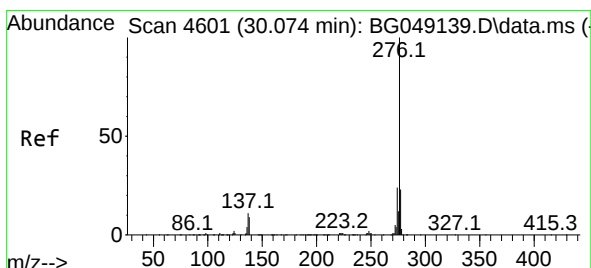
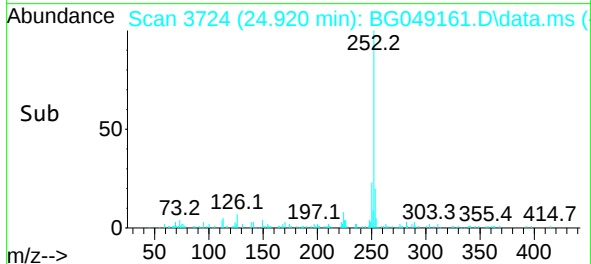
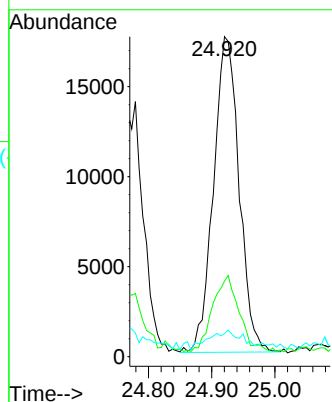
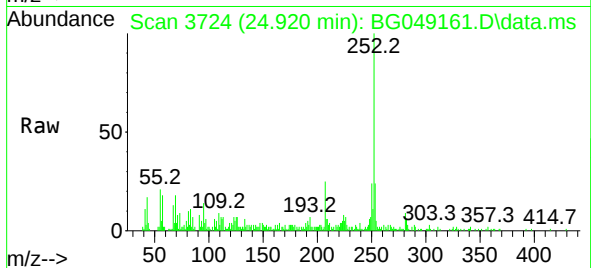




#90
Benzo(a)pyrene
Concen: 2.795 ng
RT: 24.920 min Scan# 3724
Delta R.T. -0.012 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

Instrument :
BNA_G
ClientSampleId :
CL-01-063021

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: 2.079 ng
RT: 30.044 min Scan# 4596
Delta R.T. -0.030 min
Lab File: BG049161.D
Acq: 1 Jul 2021 20:04

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

