

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062521\
 Data File : BG049102.D
 Acq On : 25 Jun 2021 22:48
 Operator : CG/JU
 Sample : M2829-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-2B

Quant Time: Jun 26 01:35:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 24 11:02:36 2021
 Response via : Initial Calibration

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

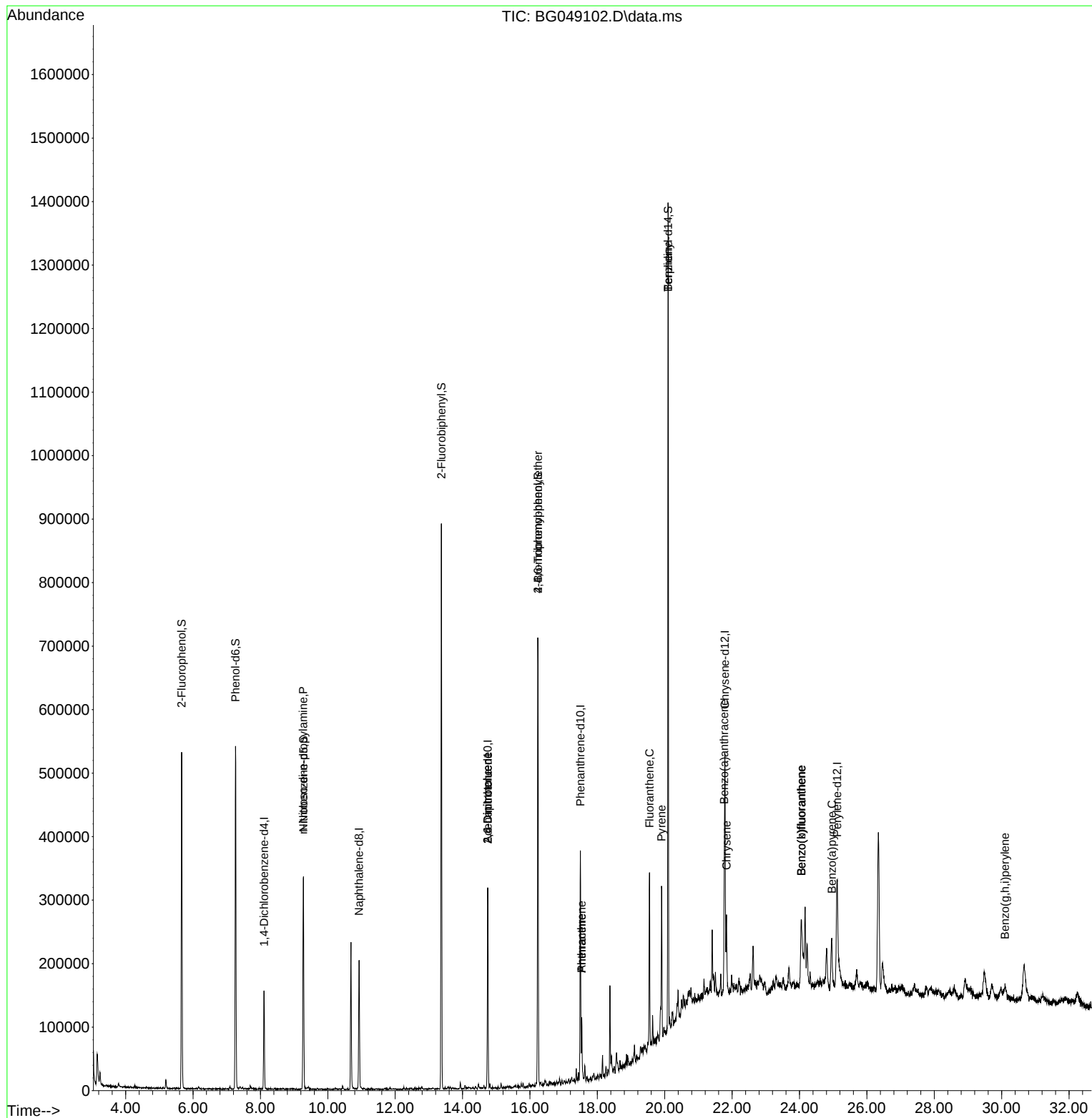
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.107	152	41968	20.000	ng	# 0.00
21) Naphthalene-d8	10.928	136	166053	20.000	ng	# 0.00
39) Acenaphthene-d10	14.747	164	112566	20.000	ng	0.00
64) Phenanthrene-d10	17.496	188	228617	20.000	ng	# 0.00
76) Chrysene-d12	21.785	240	207575	20.000	ng	0.00
86) Perylene-d12	25.117	264	211611	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	213837	79.316	ng	0.00
7) Phenol-d6	7.261	99	281566	69.681	ng	0.00
23) Nitrobenzene-d5	9.277	82	204111	53.003	ng	0.00
42) 2,4,6-Tribromophenol	16.233	330	141417	84.796	ng	0.00
45) 2-Fluorobiphenyl	13.372	172	455751	57.195	ng	0.00
79) Terphenyl-d14	20.099	244	627998	55.408	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.271	70	32217	10.200	ng	# 64
51) 2,6-Dinitrotoluene	14.747	165	15264	8.548	ng	# 11
57) 2,4-Dinitrotoluene	14.747	165	15264	6.959	ng	# 16
67) 4-Bromophenyl-phenylether	16.233	248	8956	3.137	ng	# 1
71) Phenanthrene	17.537	178	60663	4.716	ng	96
72) Anthracene	17.537	178	60663	4.693	ng	97
75) Fluoranthene	19.547	202	166176	10.713	ng	99
77) Benzidine	20.099	184	12922	3.090	ng	98
78) Pyrene	19.905	202	158654	10.530	ng	99
81) Benzo(a)anthracene	21.768	228	95001	6.374	ng	98
83) Chrysene	21.832	228	91364	6.394	ng	96
88) Benzo(b)fluoranthene	24.059	252	145958	9.676	ng	# 87
89) Benzo(k)fluoranthene	24.059	252	145958	10.198	ng	# 92
90) Benzo(a)pyrene	24.958	252	100844	7.323	ng	# 95
92) Benzo(g,h,i)perylene	30.099	276	47910	3.570	ng	# 90

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

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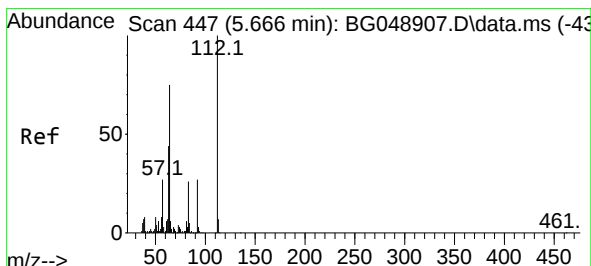
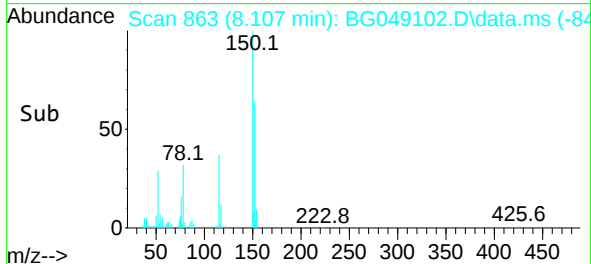
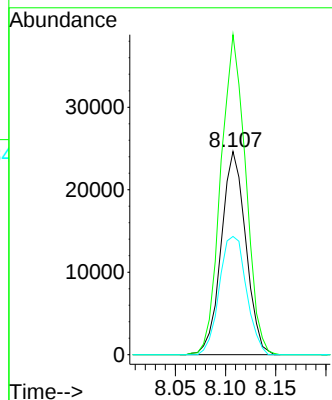
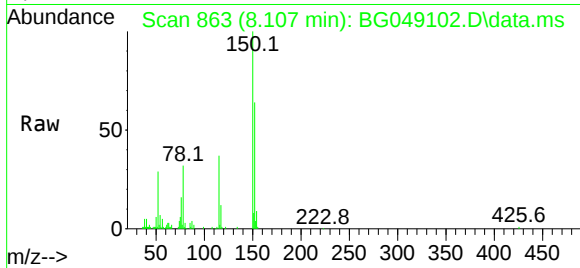




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.107 min Scan# 863
Delta R.T. 0.002 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

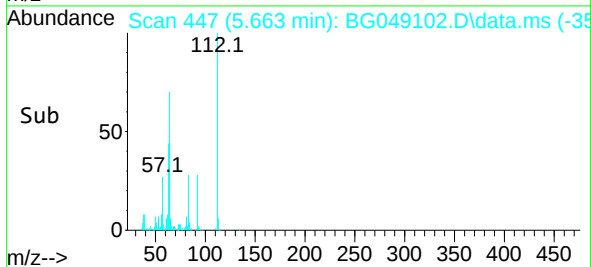
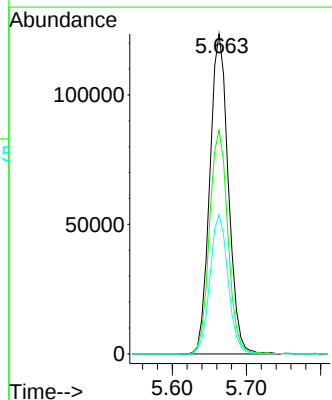
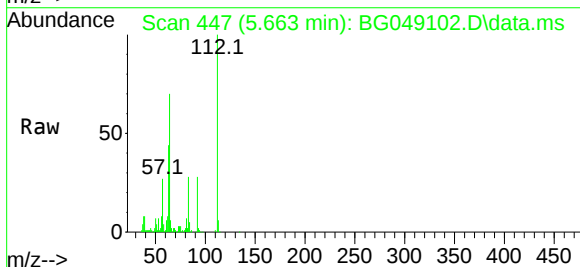
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

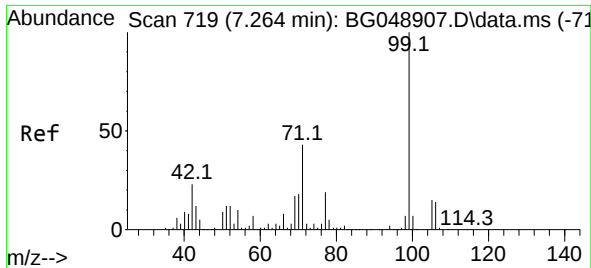
Tgt Ion:152 Resp: 41968
Ion Ratio Lower Upper
152 100
150 157.4 119.4 179.0
115 58.2 60.2 90.4#



#5
2-Fluorophenol
Concen: 79.316 ng
RT: 5.663 min Scan# 447
Delta R.T. 0.008 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion:112 Resp: 213837
Ion Ratio Lower Upper
112 100
64 70.0 46.7 70.1
63 43.5 35.3 52.9

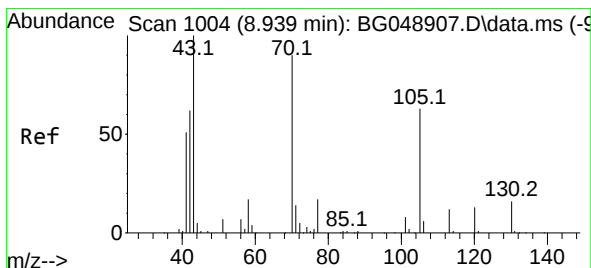
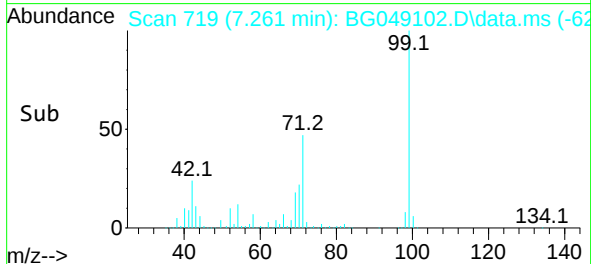
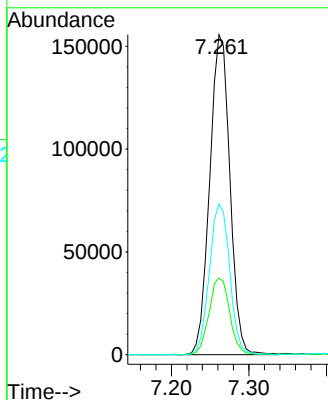
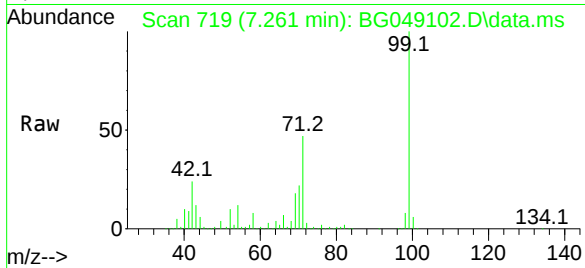




#7
Phenol-d6
Concen: 69.681 ng
RT: 7.261 min Scan# 719
Delta R.T. 0.002 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

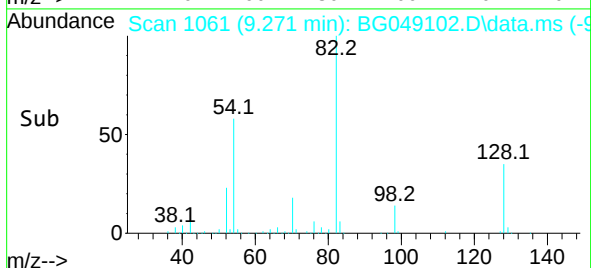
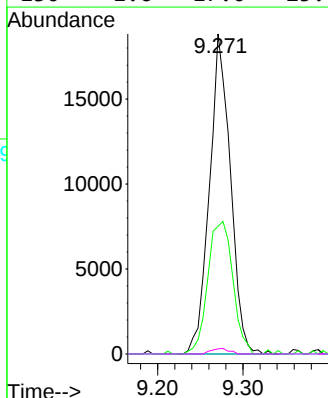
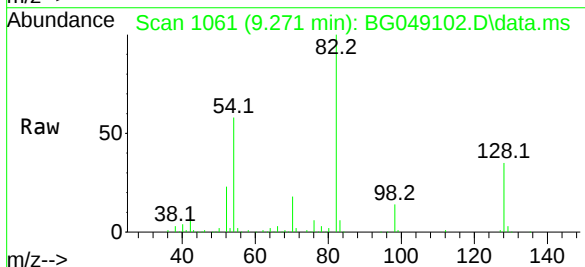
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

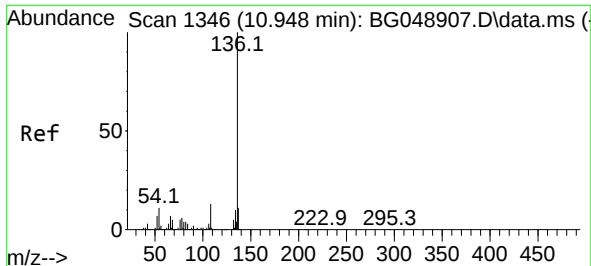
Tgt Ion: 99 Resp: 281566
Ion Ratio Lower Upper
99 100
42 24.0 20.5 30.7
71 47.1 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.200 ng
RT: 9.271 min Scan# 1061
Delta R.T. 0.360 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion: 70 Resp: 32217
Ion Ratio Lower Upper
70 100
42 39.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.6 17.0 25.6#

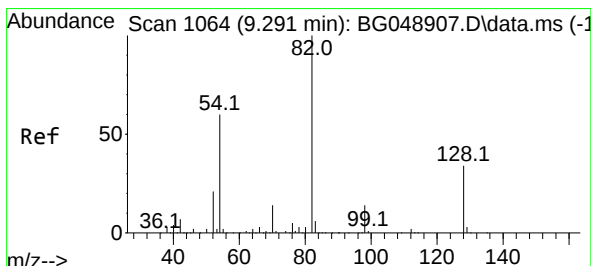
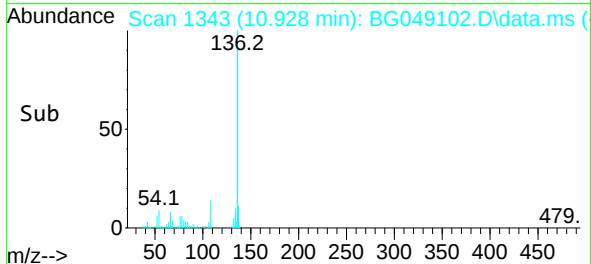
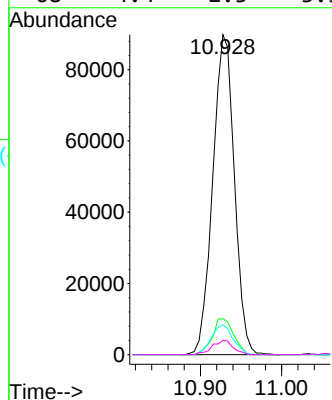
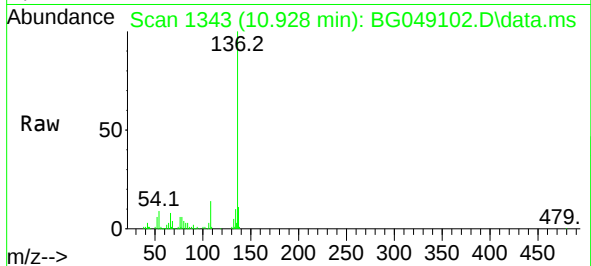




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 1343
Delta R.T. 0.002 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

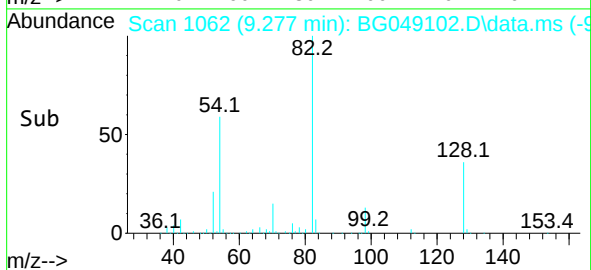
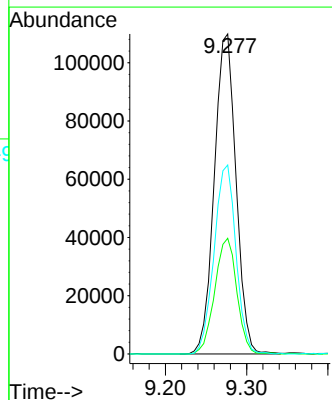
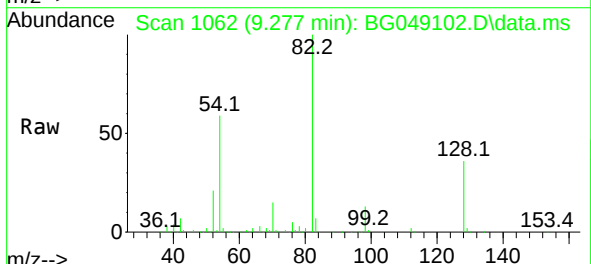
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

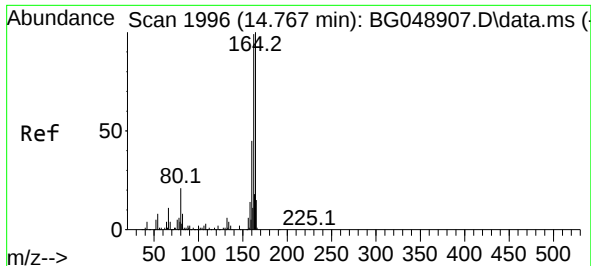
Tgt Ion:	136	Resp:	166053
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.2
54	9.4	5.5	8.3#
68	4.4	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 53.003 ng
RT: 9.277 min Scan# 1062
Delta R.T. 0.002 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

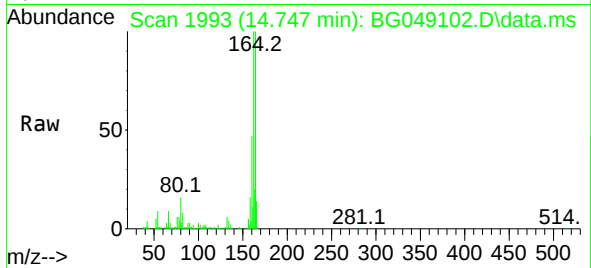
Tgt Ion:	82	Resp:	204111
Ion Ratio	Lower	Upper	
82	100		
128	36.1	29.8	44.6
54	59.1	45.8	68.8



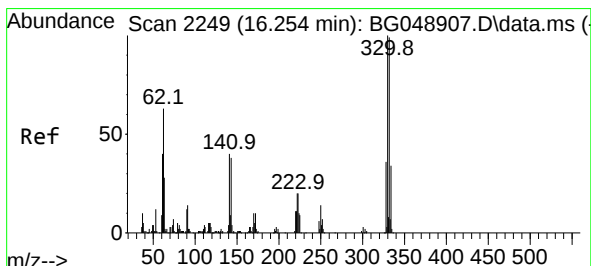
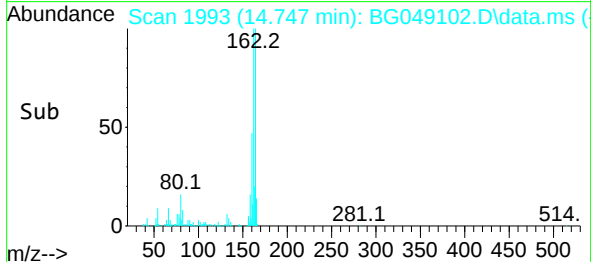
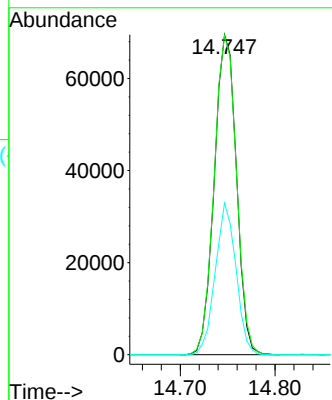


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.747 min Scan# 1993
Delta R.T. -0.004 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

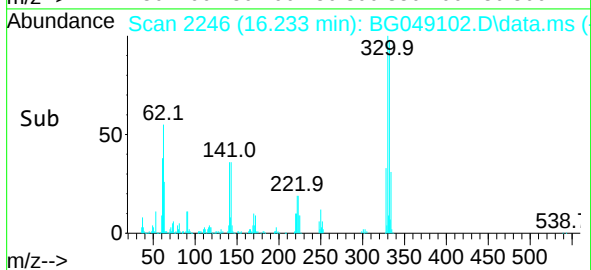
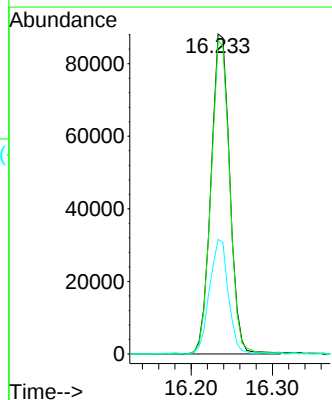
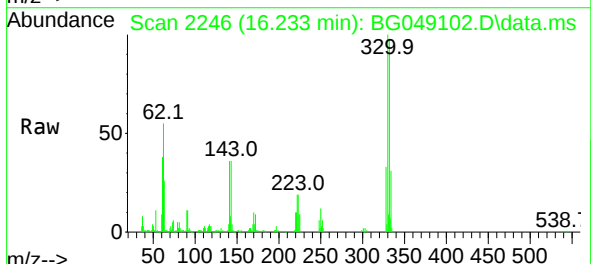


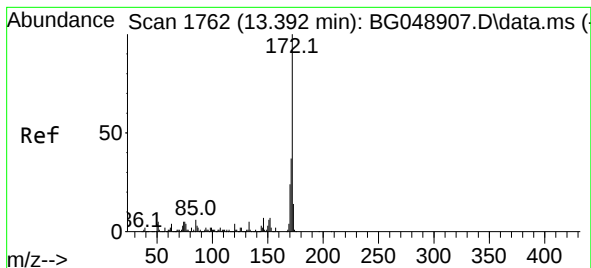
Tgt Ion:164 Resp: 112566
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 47.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 84.796 ng
RT: 16.233 min Scan# 2246
Delta R.T. -0.004 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

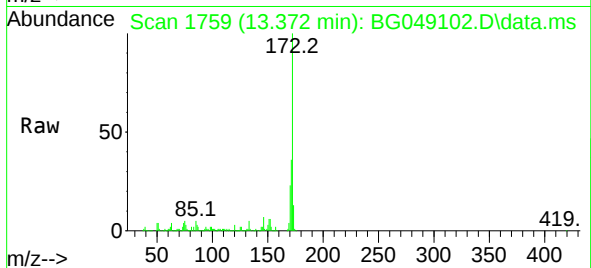
Tgt Ion:330 Resp: 141417
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 35.7 35.6 53.4



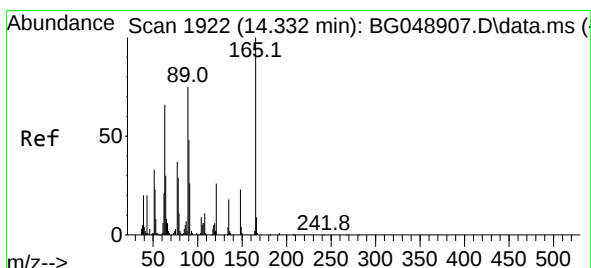
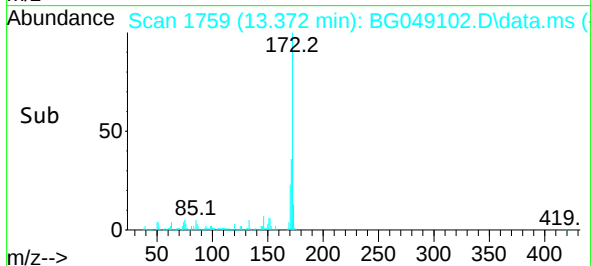
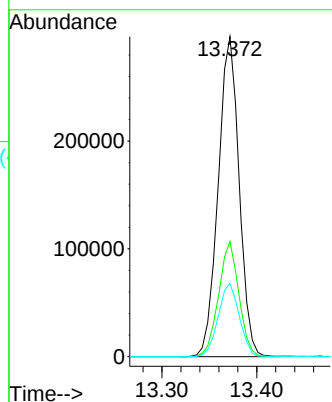


#45
2-Fluorobiphenyl
Concen: 57.195 ng
RT: 13.372 min Scan# 1759
Delta R.T. 0.002 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

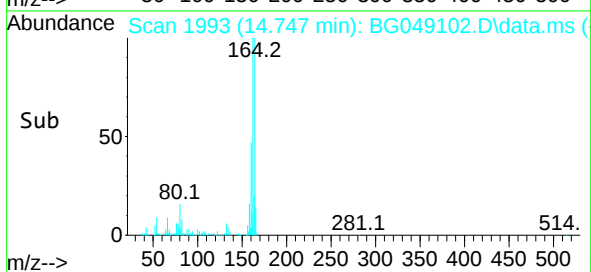
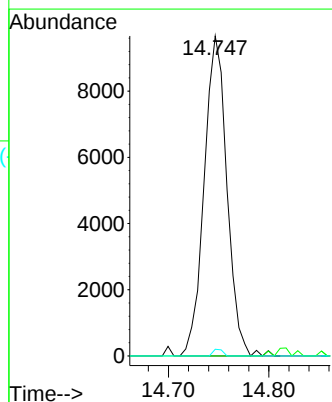
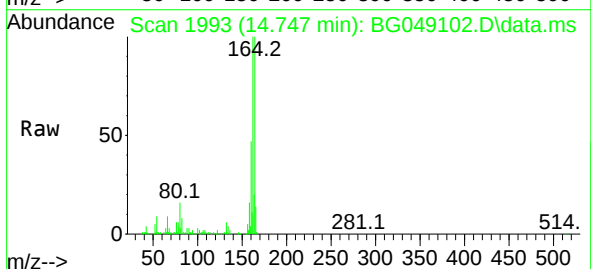


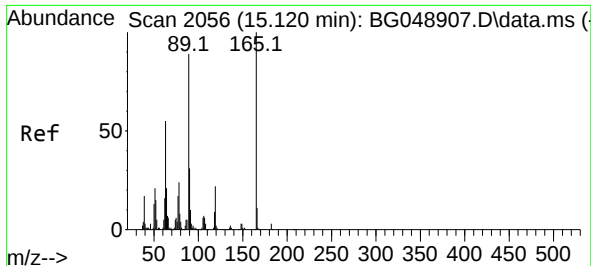
Tgt Ion:172 Resp: 455751
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 22.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.548 ng
RT: 14.747 min Scan# 1993
Delta R.T. 0.431 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

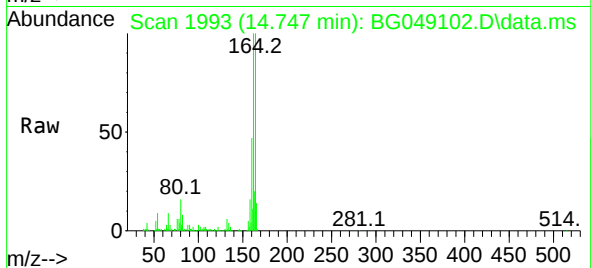
Tgt Ion:165 Resp: 15264
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.1 63.4 95.0#



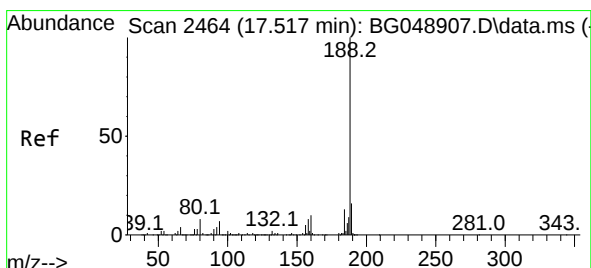
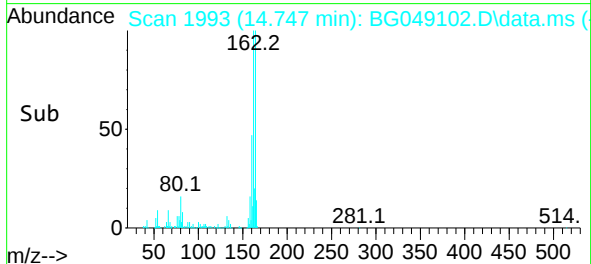
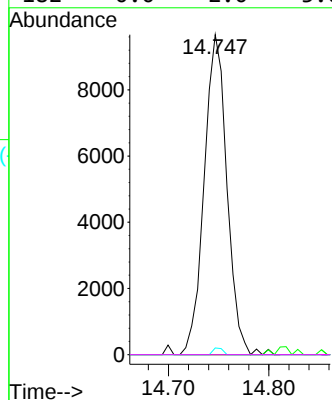


#57
2,4-Dinitrotoluene
Concen: 6.959 ng
RT: 14.747 min Scan# 1993
Delta R.T. -0.357 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Instrument :
BNA_G
ClientSampleId :
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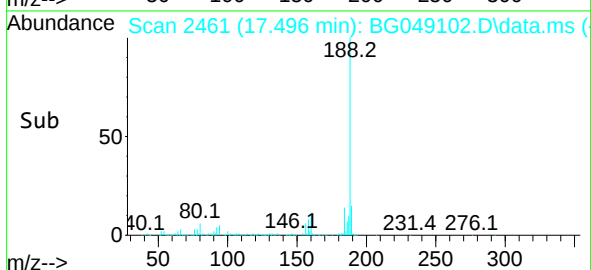
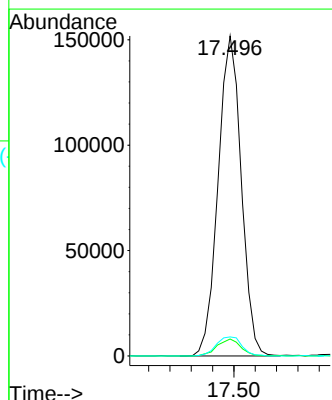
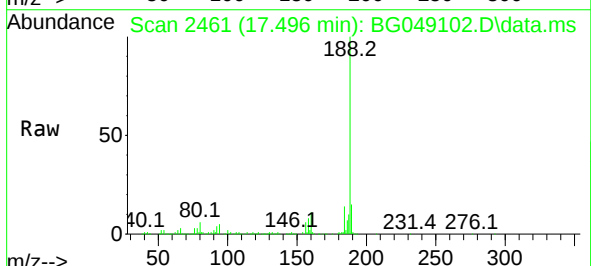


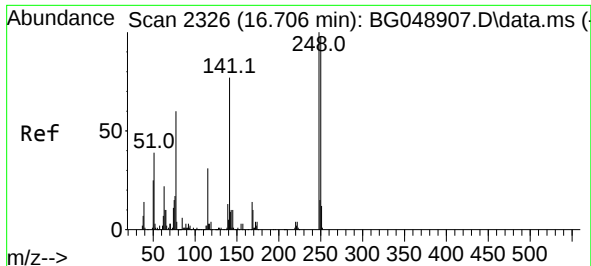
Tgt Ion:165 Resp: 15264
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.1 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.496 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion:188 Resp: 228617
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 5.9 3.7 5.5#

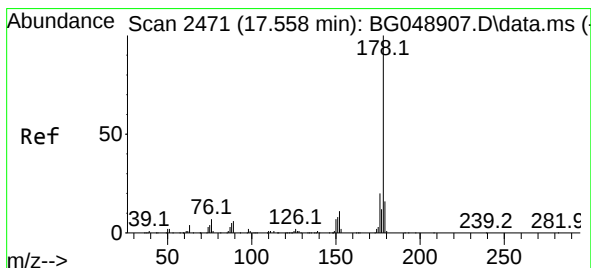
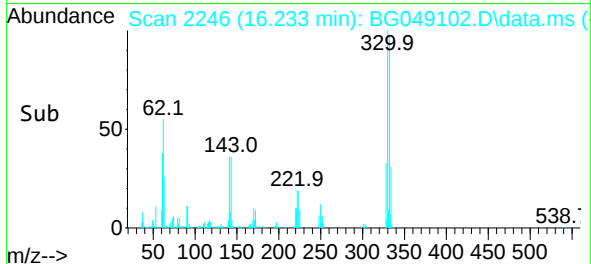
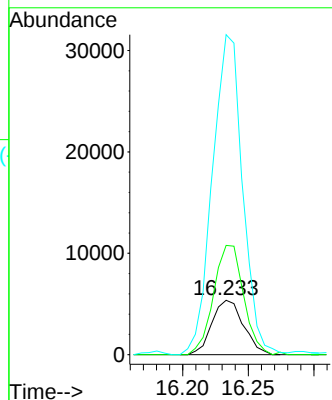
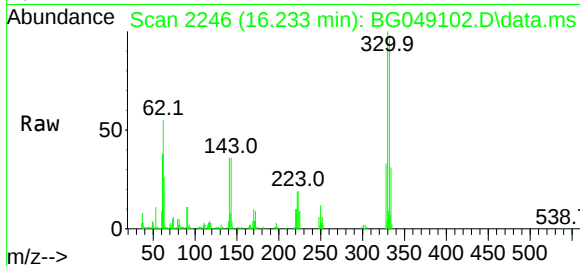




#67
4-Bromophenyl-phenylether
Concen: 3.137 ng
RT: 16.233 min Scan# 2246
Delta R.T. -0.451 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

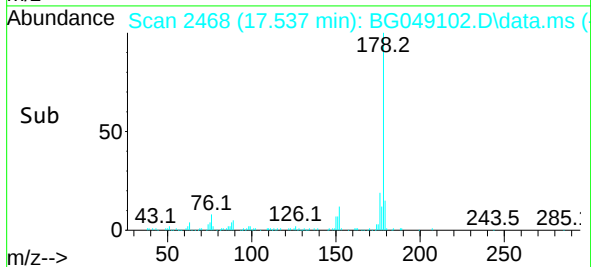
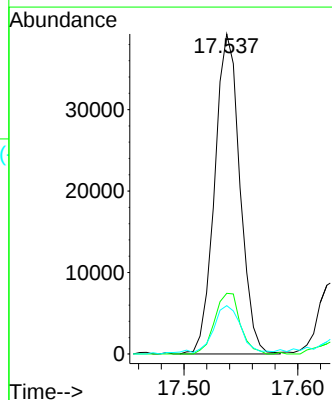
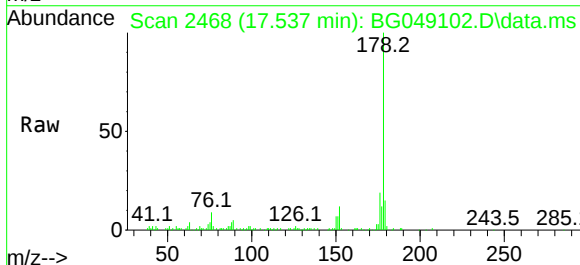
Instrument :
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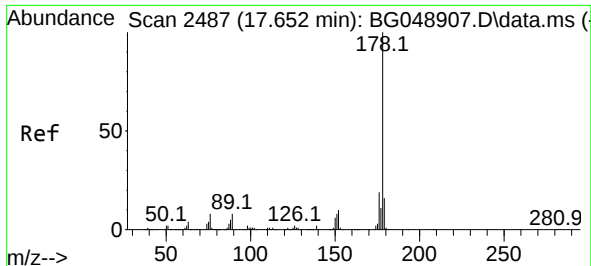
Tgt Ion:248 Resp: 8956
Ion Ratio Lower Upper
248 100
250 200.8 76.1 114.1#
141 587.8 65.4 98.2#



#71
Phenanthrene
Concen: 4.716 ng
RT: 17.537 min Scan# 2468
Delta R.T. -0.004 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion:178 Resp: 60663
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 14.2 21.4

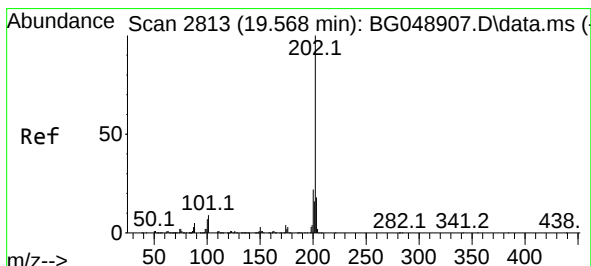
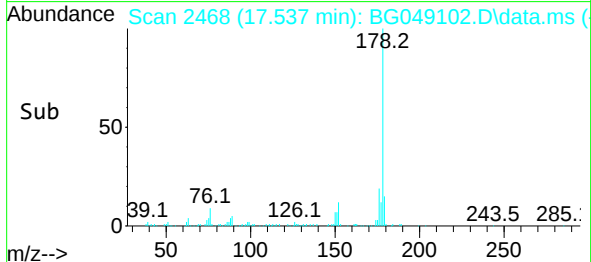
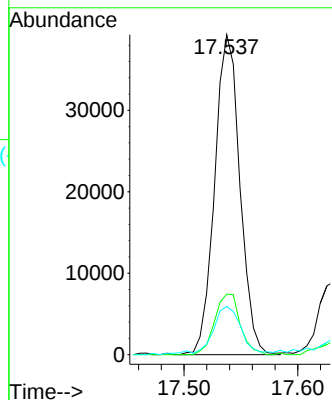
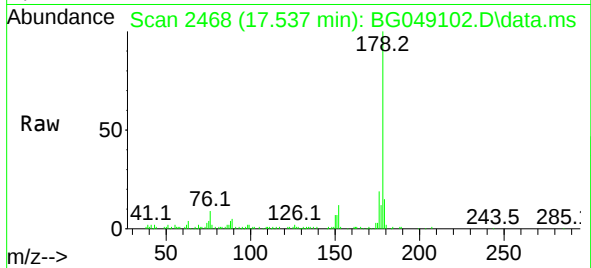




#72
 Anthracene
 Concen: 4.693 ng
 RT: 17.537 min Scan# 2468
 Delta R.T. -0.092 min
 Lab File: BG049102.D
 Acq: 25 Jun 2021 22:48

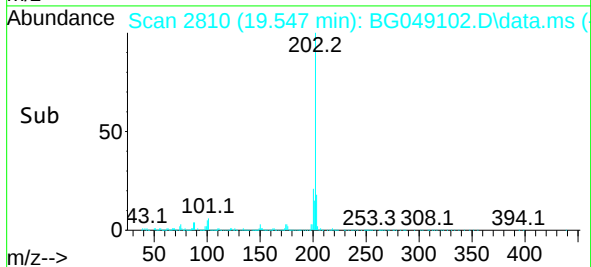
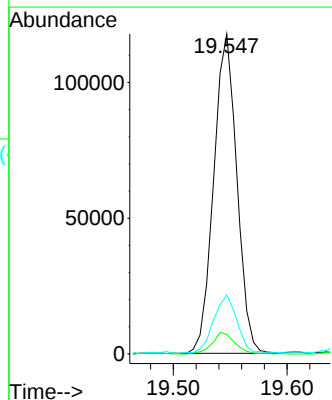
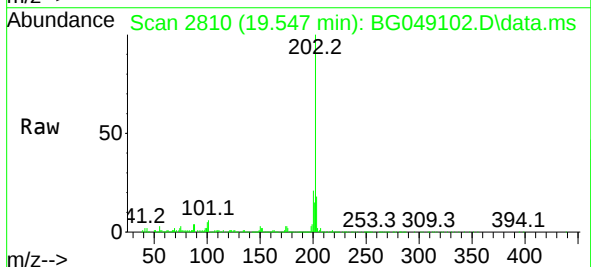
Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-2B

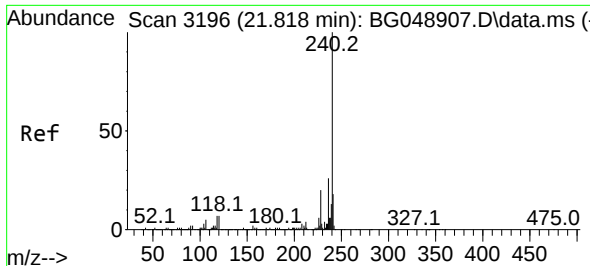
Tgt Ion:178 Resp: 60663
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 21.8
 179 15.1 13.4 20.0



#75
 Fluoranthene
 Concen: 10.713 ng
 RT: 19.547 min Scan# 2810
 Delta R.T. 0.002 min
 Lab File: BG049102.D
 Acq: 25 Jun 2021 22:48

Tgt Ion:202 Resp: 166176
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 24.7
 203 18.5 0.0 38.5

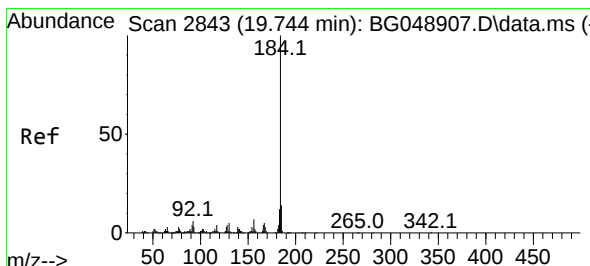
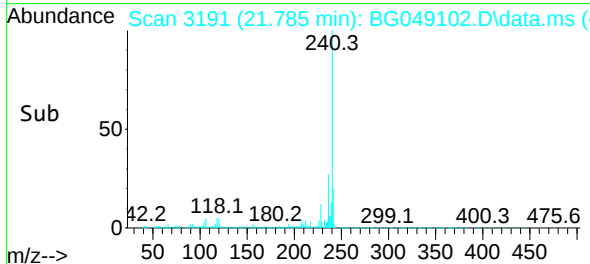
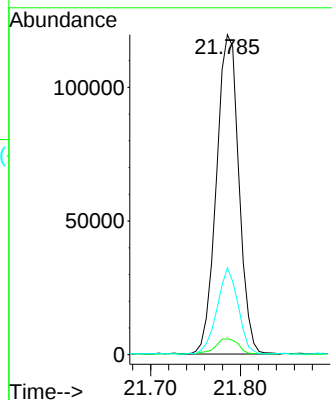
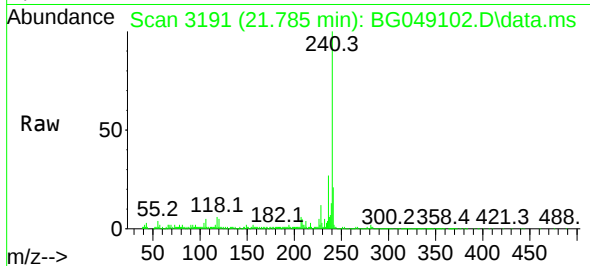




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.785 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

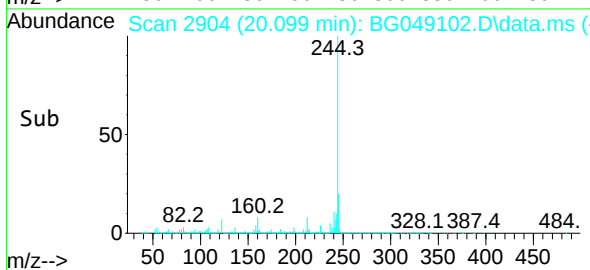
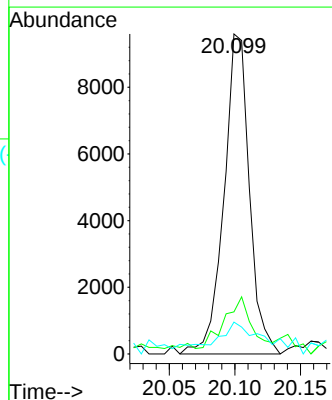
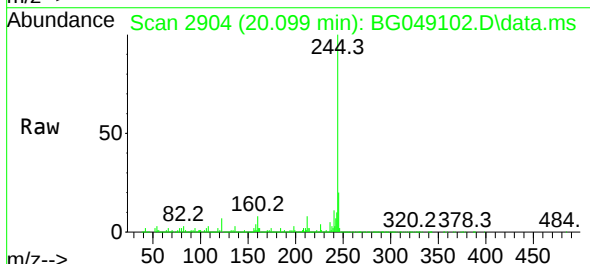
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

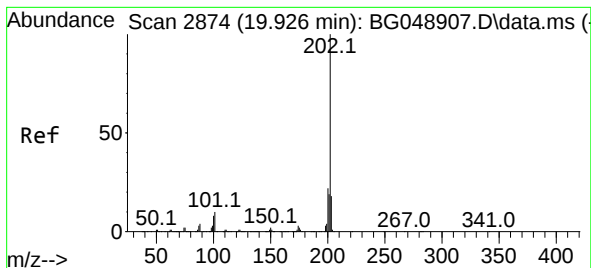
Tgt Ion:240 Resp: 207575
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 27.2 21.8 32.6



#77
Benzidine
Concen: 3.090 ng
RT: 20.099 min Scan# 2904
Delta R.T. 0.378 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion:184 Resp: 12922
Ion Ratio Lower Upper
184 100
185 13.1 10.7 16.1
183 9.9 9.4 14.0





#78

Pyrene

Concen: 10.530 ng

RT: 19.905 min Scan# 2871

Delta R.T. -0.004 min

Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

Tgt Ion:202 Resp: 158654

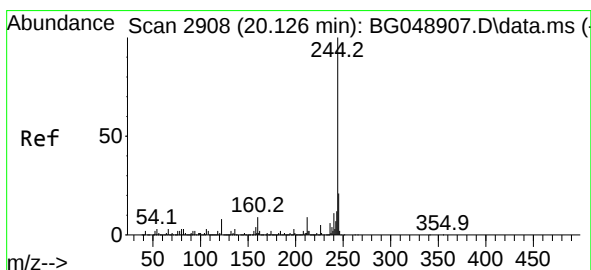
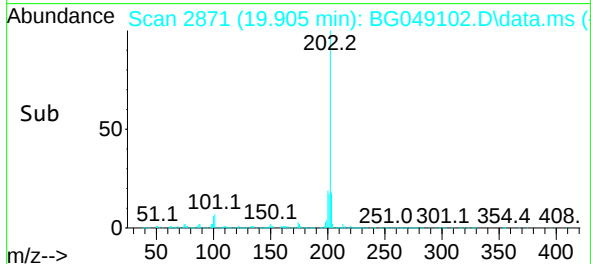
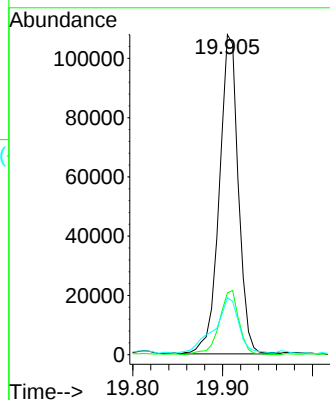
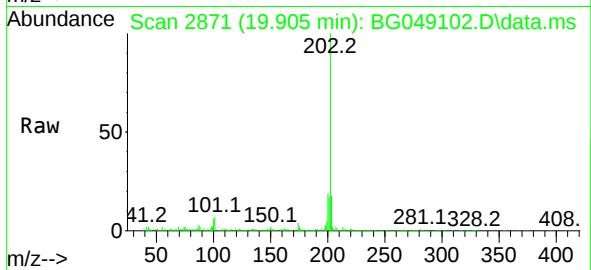
Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.8	23.8
203	17.8	14.6	21.8

Instrument :

BNA_G

ClientSampleId :

15B-STOCKPILE-2B



#79

Terphenyl-d14

Concen: 55.408 ng

RT: 20.099 min Scan# 2904

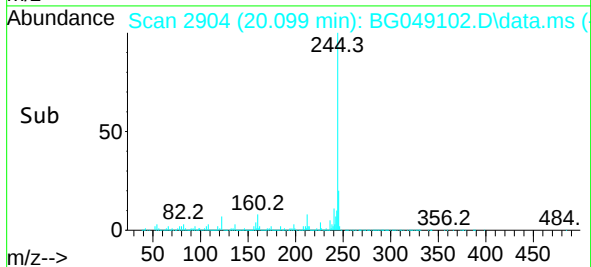
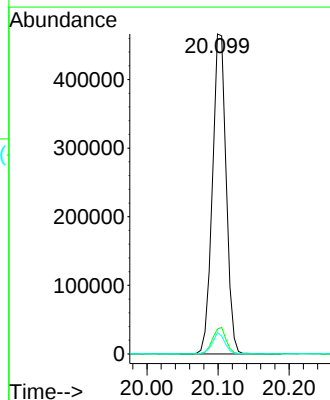
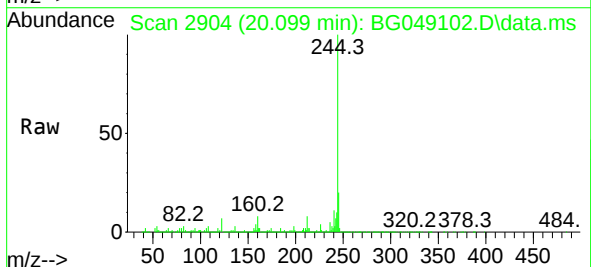
Delta R.T. -0.004 min

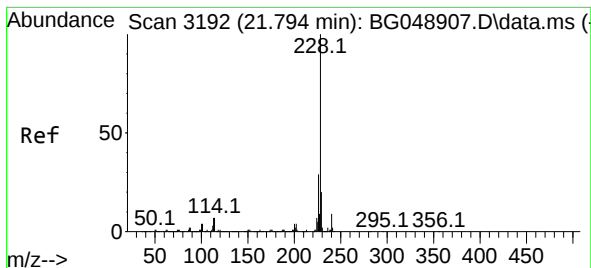
Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

Tgt Ion:244 Resp: 627998

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.9	10.3
122	6.7	5.0	7.6





#81

Benzo(a)anthracene

Concen: 6.374 ng

RT: 21.768 min Scan# 3188

Delta R.T. 0.002 min

Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

Tgt Ion:228 Resp: 95001

Ion Ratio Lower Upper

228 100

226 28.0 22.7 34.1

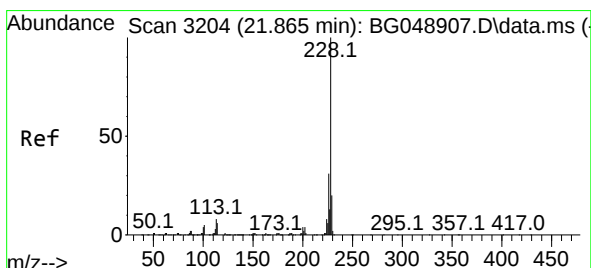
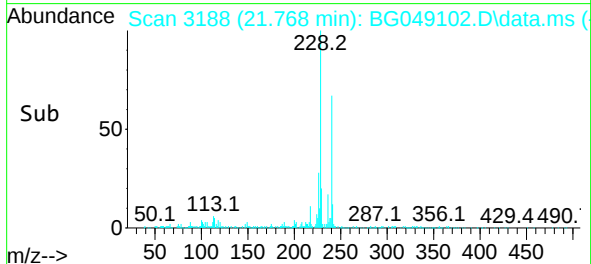
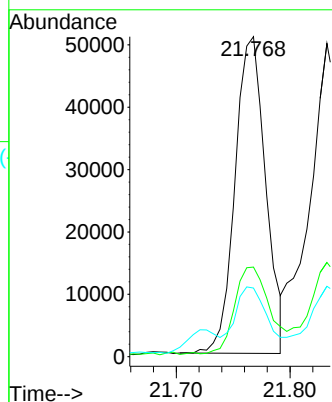
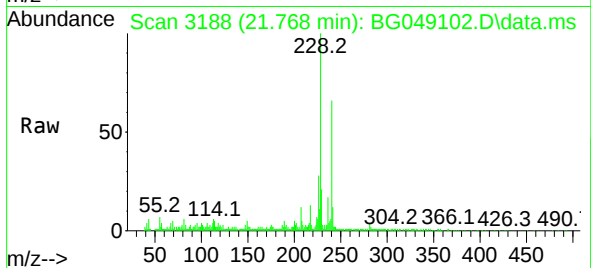
229 21.4 16.0 24.0

Instrument :

BNA_G

ClientSampleId :

15B-STOCKPILE-2B



#83

Chrysene

Concen: 6.394 ng

RT: 21.832 min Scan# 3199

Delta R.T. -0.004 min

Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

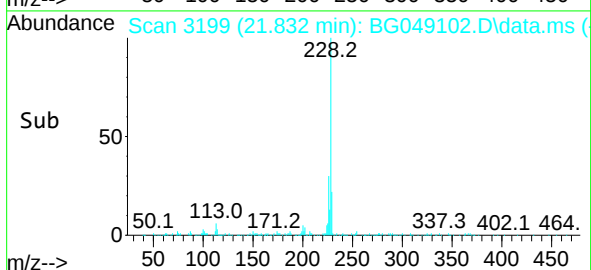
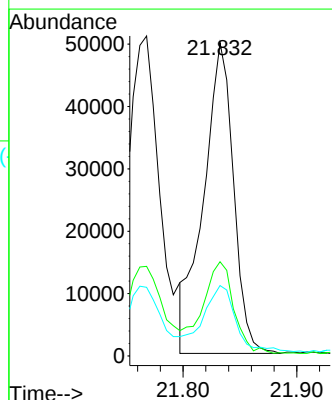
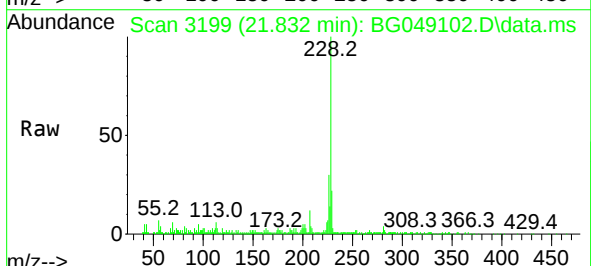
Tgt Ion:228 Resp: 91364

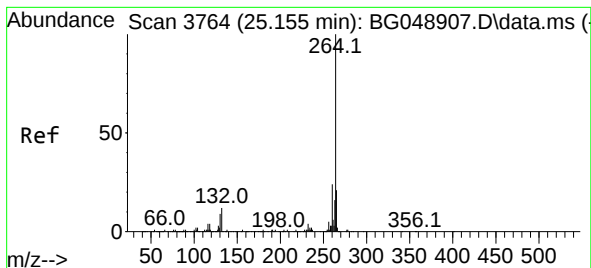
Ion Ratio Lower Upper

228 100

226 30.1 23.1 34.7

229 22.5 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.117 min Scan# 3758

Delta R.T. 0.014 min

Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

Tgt Ion:264 Resp: 211611

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

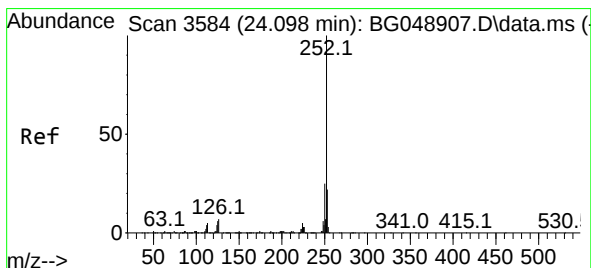
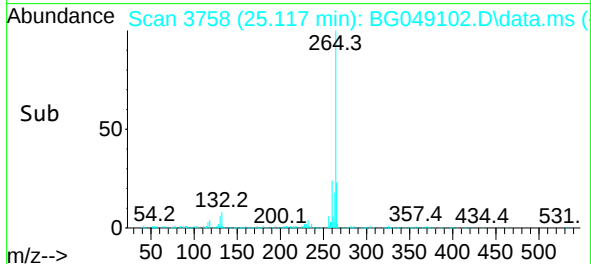
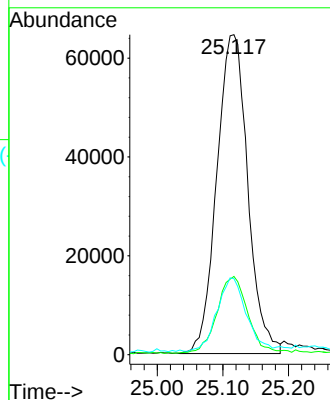
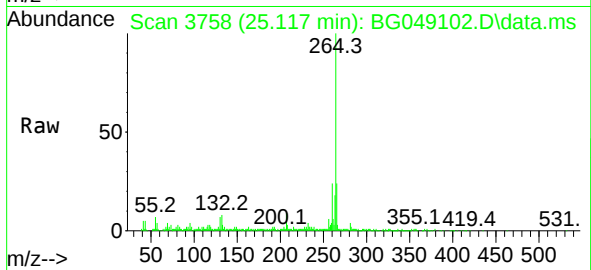
265 23.8 16.9 25.3

Instrument :

BNA_G

ClientSampleId :

15B-STOCKPILE-2B



#88

Benzo(b)fluoranthene

Concen: 9.676 ng

RT: 24.059 min Scan# 3578

Delta R.T. 0.008 min

Lab File: BG049102.D

Acq: 25 Jun 2021 22:48

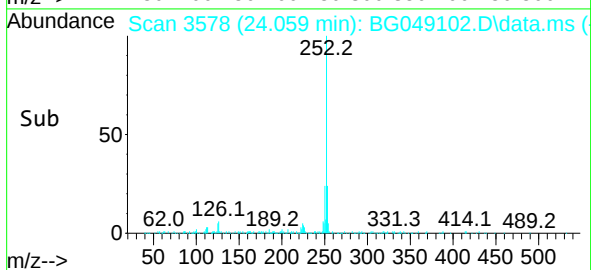
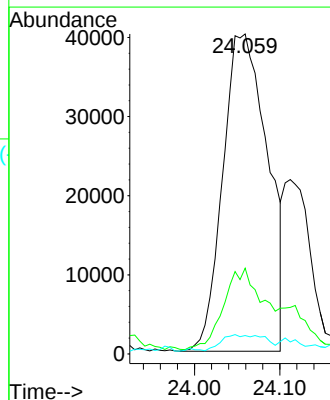
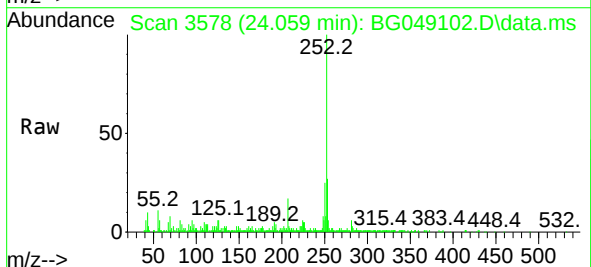
Tgt Ion:252 Resp: 145958

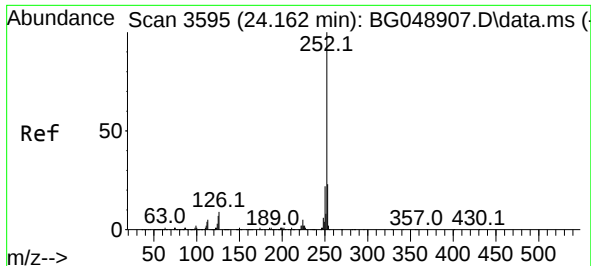
Ion Ratio Lower Upper

252 100

253 26.8 16.2 24.4#

125 5.8 3.0 4.4#

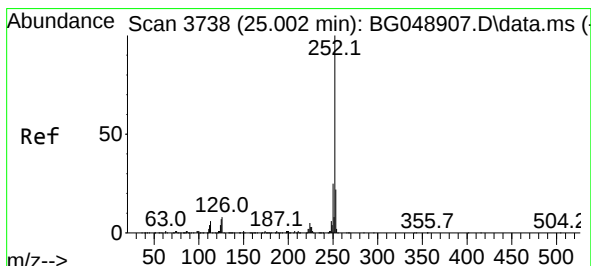
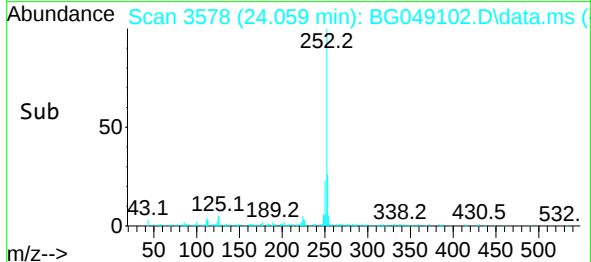
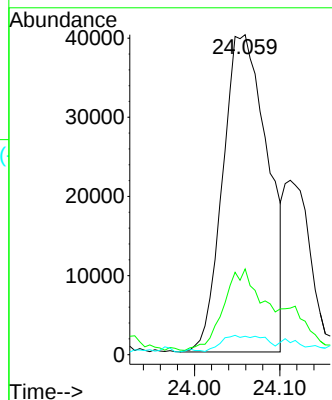
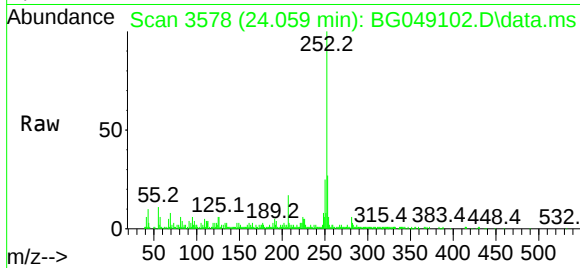




#89
Benzo(k)fluoranthene
Concen: 10.198 ng
RT: 24.059 min Scan# 3578
Delta R.T. -0.069 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

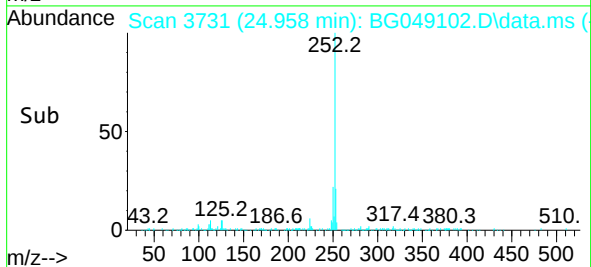
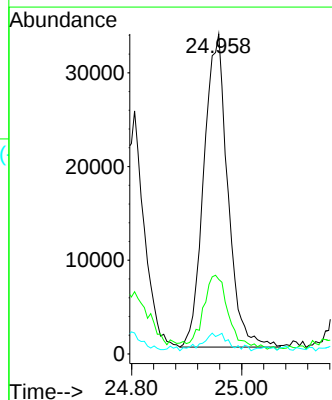
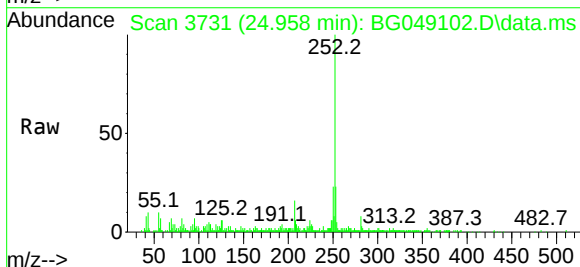
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-2B

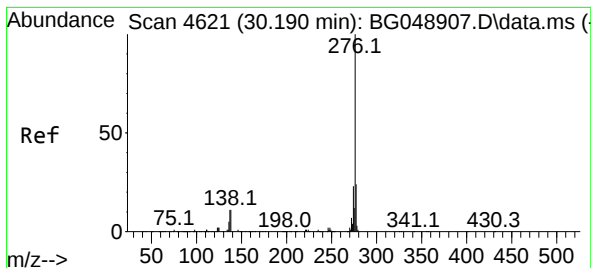
Tgt Ion:252 Resp: 145958
Ion Ratio Lower Upper
252 100
253 26.8 18.0 27.0
125 5.8 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 7.323 ng
RT: 24.958 min Scan# 3731
Delta R.T. 0.008 min
Lab File: BG049102.D
Acq: 25 Jun 2021 22:48

Tgt Ion:252 Resp: 100844
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 5.9 3.5 5.3#





#92

Benzo(g,h,i)perylene

Concen: 3.570 ng

RT: 30.099 min Scan# 4606

Delta R.T. -0.010 min

Lab File: BG049102.D

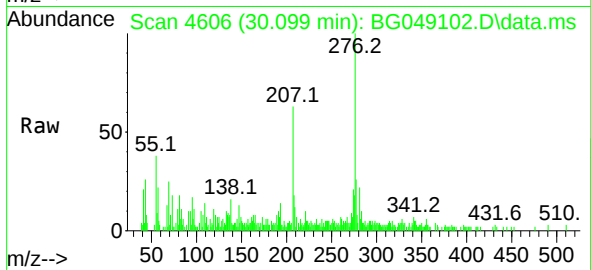
Acq: 25 Jun 2021 22:48

Instrument :

BNA_G

ClientSampleId :

15B-STOCKPILE-2B



Tgt Ion:276 Resp: 47910

Ion Ratio Lower Upper

276 100

277 25.9 18.4 27.6

138 16.0 7.0 10.6#

