

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062521\
 Data File : BG049100.D
 Acq On : 25 Jun 2021 21:26
 Operator : CG/JU
 Sample : M2829-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-3B

Quant Time: Jun 26 01:34:17 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)

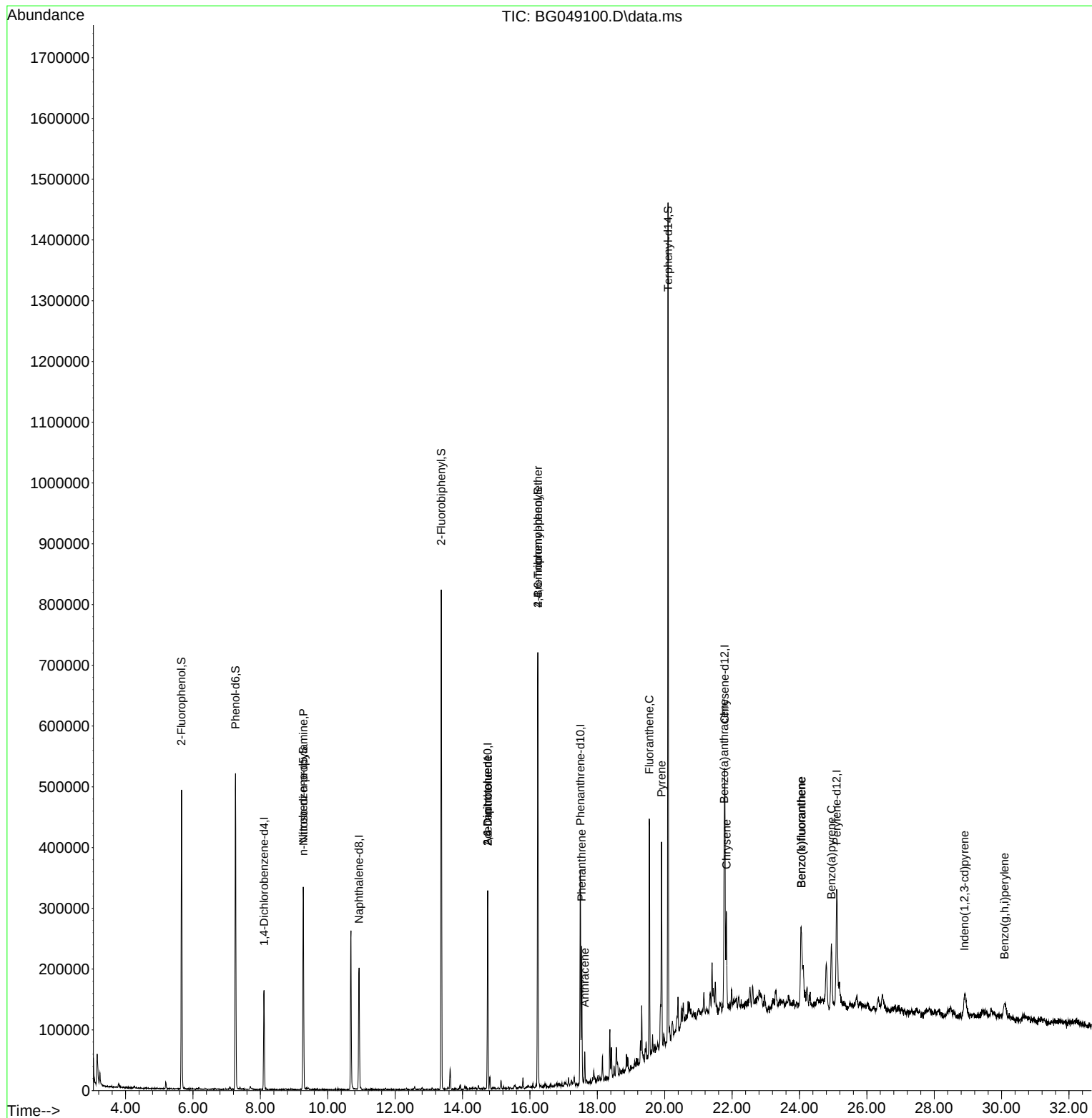
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	42725	20.000	ng	0.00
21) Naphthalene-d8	10.929	136	168707	20.000	ng	# 0.00
39) Acenaphthene-d10	14.748	164	114825	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	233970	20.000	ng	# 0.00
76) Chrysene-d12	21.781	240	220515	20.000	ng	0.00
86) Perylene-d12	25.107	264	226732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.659	112	204098	74.363	ng	0.00
7) Phenol-d6	7.263	99	269550	65.525	ng	0.00
23) Nitrobenzene-d5	9.272	82	196137	50.131	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	139074	81.750	ng	0.00
45) 2-Fluorobiphenyl	13.367	172	434148	53.412	ng	0.00
79) Terphenyl-d14	20.101	244	634089	52.662	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.278	70	28224	8.778	ng	# 70
51) 2,6-Dinitrotoluene	14.748	165	14359	7.883	ng	# 12
57) 2,4-Dinitrotoluene	14.748	165	14359	6.418	ng	# 17
67) 4-Bromophenyl-phenylether	16.235	248	8047	2.754	ng	# 1
71) Phenanthrene	17.539	178	137880	10.473	ng	96
72) Anthracene	17.627	178	31443	2.377	ng	96
75) Fluoranthene	19.543	202	247372	15.582	ng	99
78) Pyrene	19.907	202	227979	14.244	ng	99
81) Benzo(a)anthracene	21.763	228	133592	8.438	ng	96
83) Chrysene	21.834	228	127387	8.391	ng	96
87) Indeno(1,2,3-cd)pyrene	28.902	276	74957	4.393	ng	# 88
88) Benzo(b)fluoranthene	24.055	252	169212	10.469	ng	# 96
89) Benzo(k)fluoranthene	24.055	252	169212	11.034	ng	# 98
90) Benzo(a)pyrene	24.948	252	130330	8.834	ng	# 95
92) Benzo(g,h,i)perylene	30.089	276	71219	4.953	ng	# 95

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

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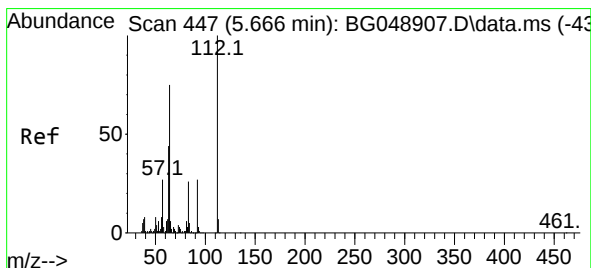
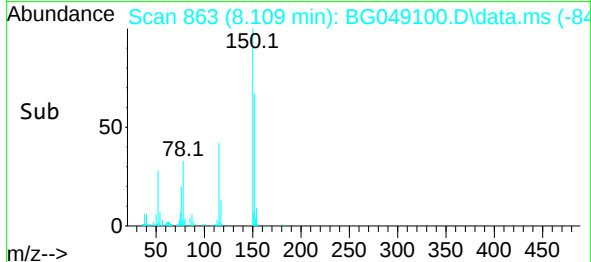
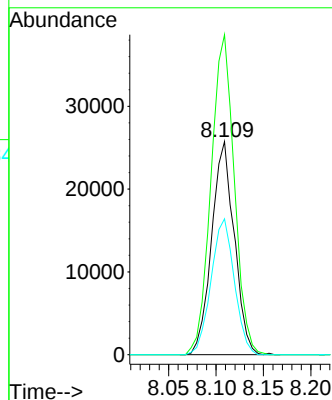
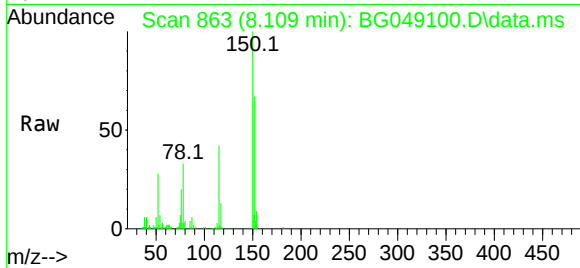




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.109 min Scan# 863
Delta R.T. 0.004 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

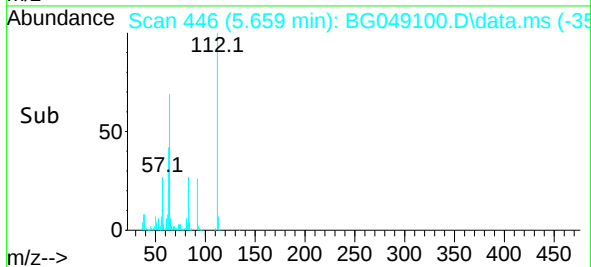
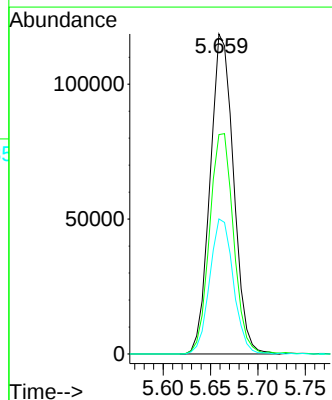
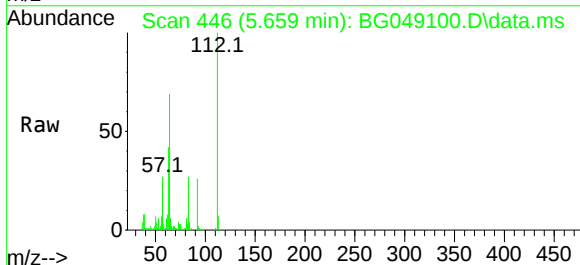
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

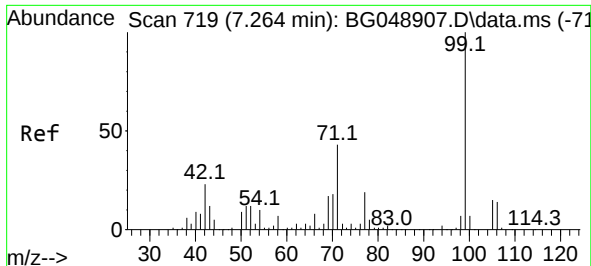
Tgt Ion:152 Resp: 42725
Ion Ratio Lower Upper
152 100
150 150.2 119.4 179.0
115 63.8 60.2 90.4



#5
2-Fluorophenol
Concen: 74.363 ng
RT: 5.659 min Scan# 446
Delta R.T. 0.003 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:112 Resp: 204098
Ion Ratio Lower Upper
112 100
64 68.6 46.7 70.1
63 42.2 35.3 52.9

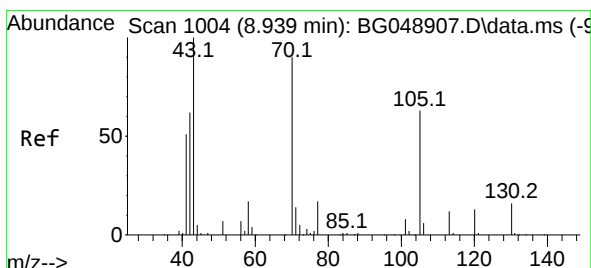
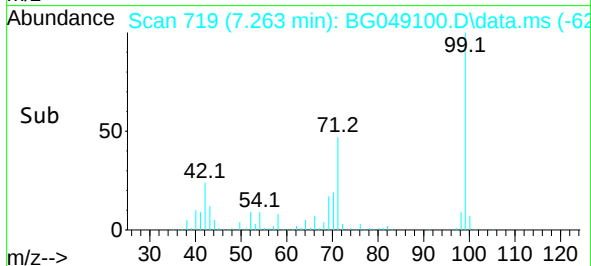
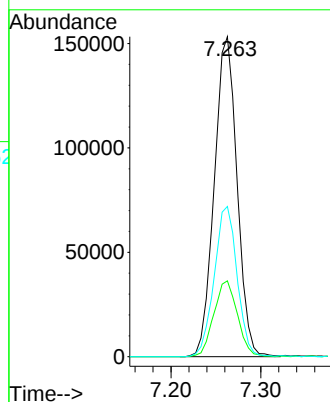
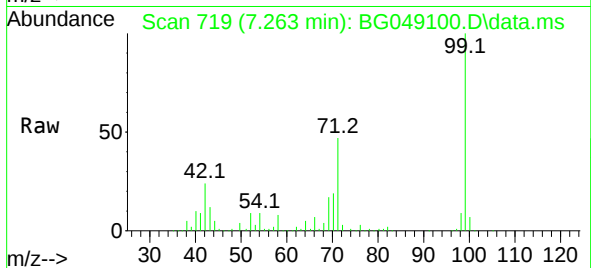




#7
Phenol-d6
Concen: 65.525 ng
RT: 7.263 min Scan# 719
Delta R.T. 0.003 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

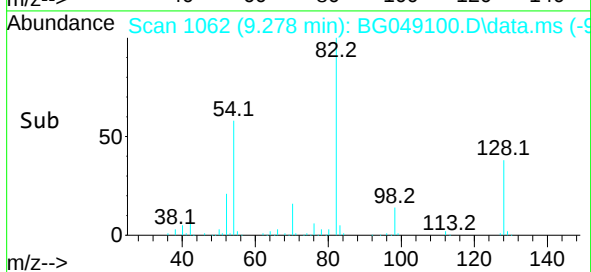
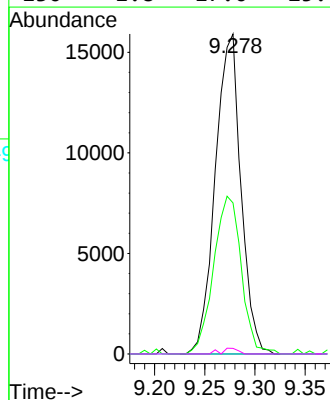
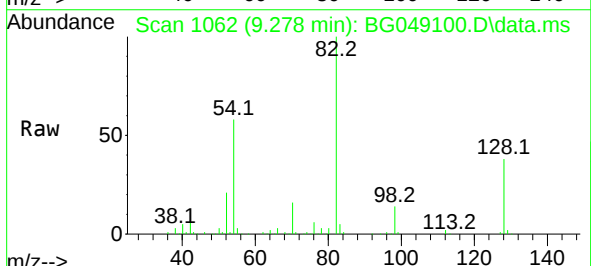
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

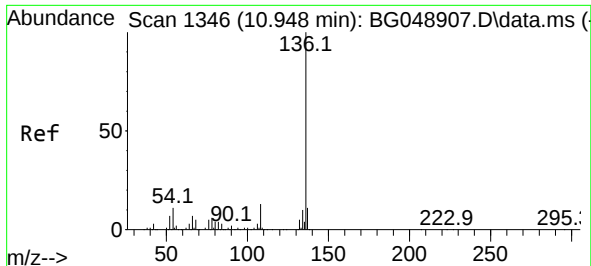
Tgt Ion: 99 Resp: 269550
Ion Ratio Lower Upper
99 100
42 23.7 20.5 30.7
71 47.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.778 ng
RT: 9.278 min Scan# 1062
Delta R.T. 0.368 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion: 70 Resp: 28224
Ion Ratio Lower Upper
70 100
42 47.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.8 17.0 25.6#

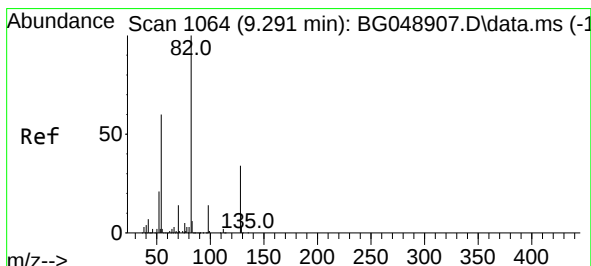
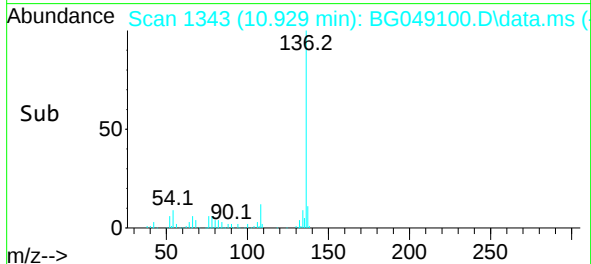
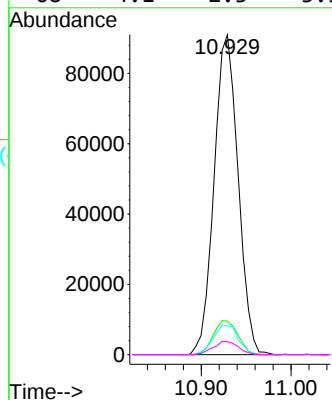
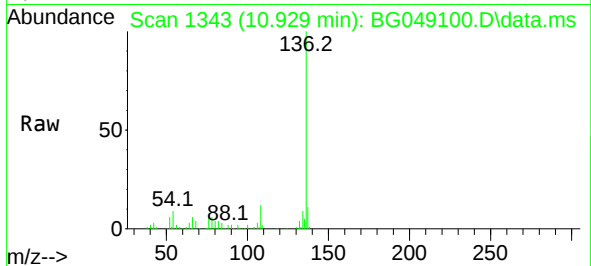




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.929 min Scan# 1343
Delta R.T. 0.003 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

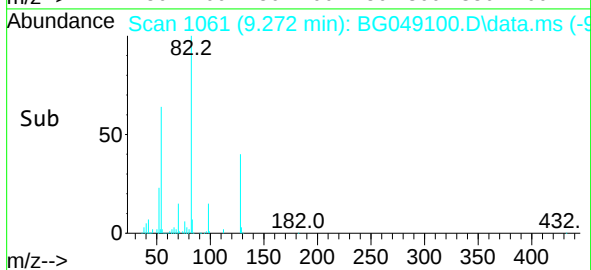
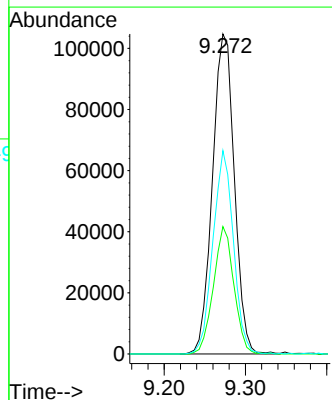
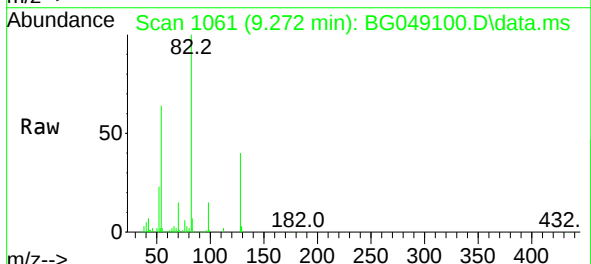
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

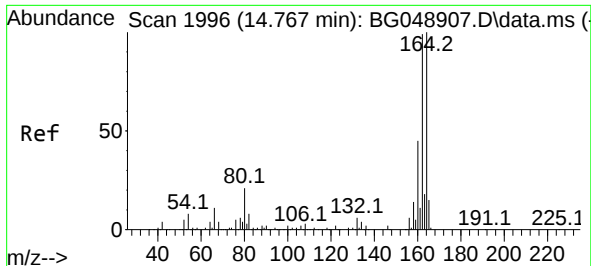
Tgt Ion:136 Resp: 168707
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.2
54 9.0 5.5 8.3#
68 4.1 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 50.131 ng
RT: 9.272 min Scan# 1061
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

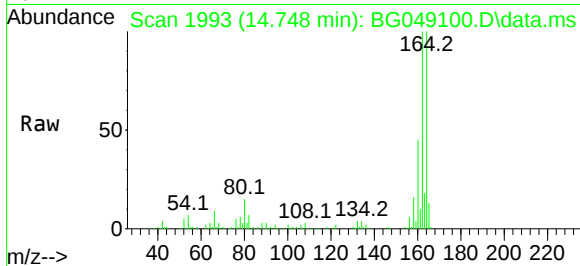
Tgt Ion: 82 Resp: 196137
Ion Ratio Lower Upper
82 100
128 39.8 29.8 44.6
54 63.5 45.8 68.8



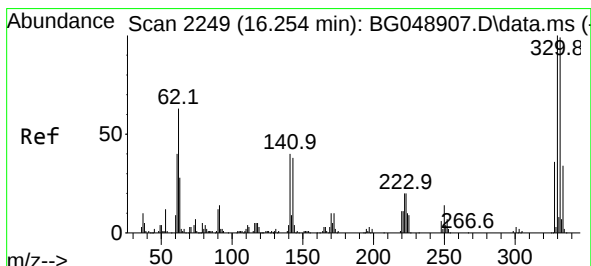
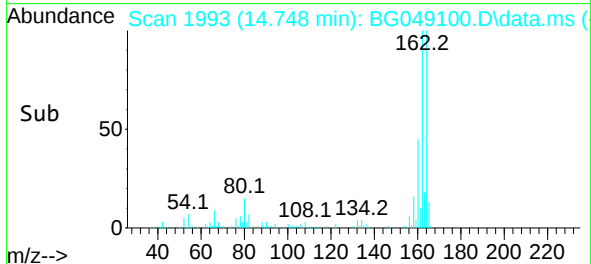
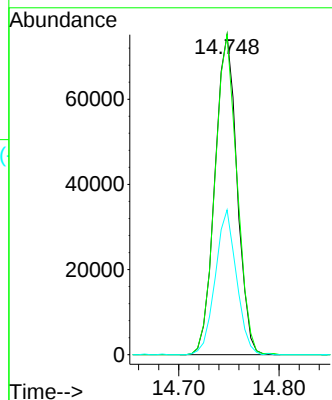


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

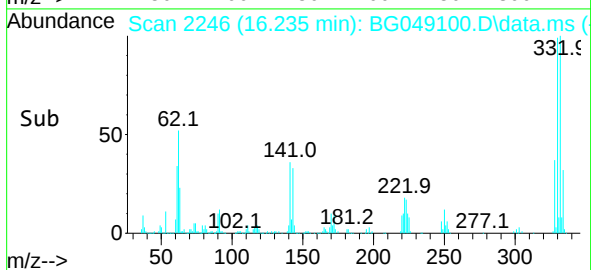
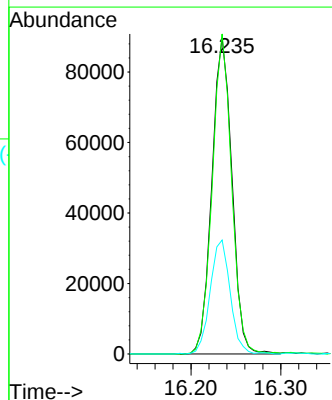
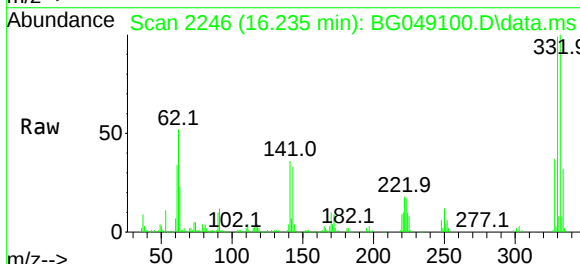


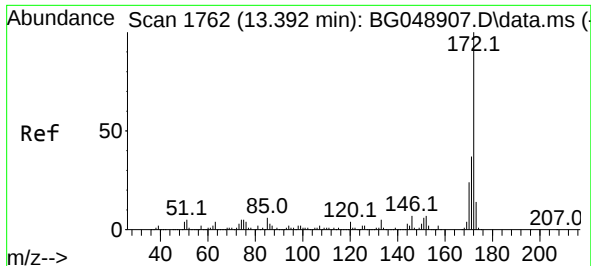
Tgt Ion:164 Resp: 114825
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 45.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 81.750 ng
RT: 16.235 min Scan# 2246
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

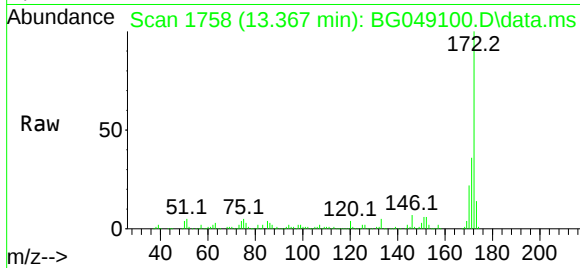
Tgt Ion:330 Resp: 139074
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 36.1 35.6 53.4



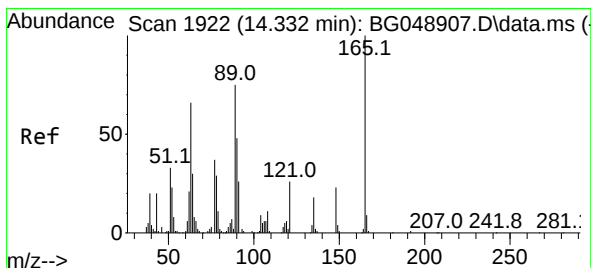
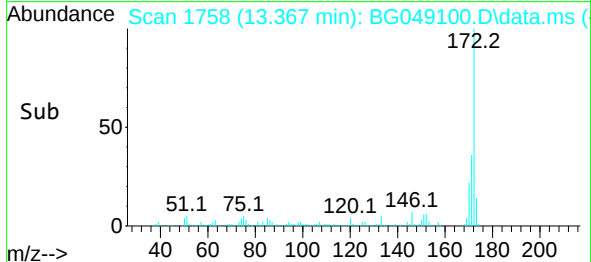
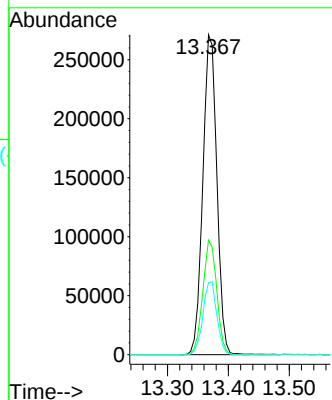


#45
2-Fluorobiphenyl
Concen: 53.412 ng
RT: 13.367 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

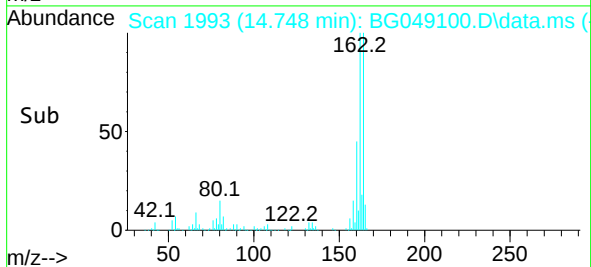
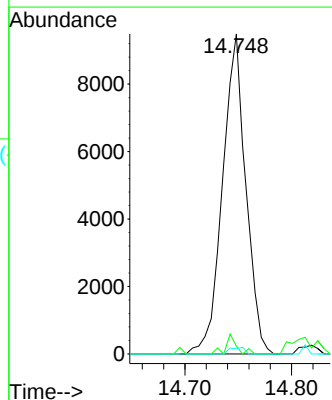
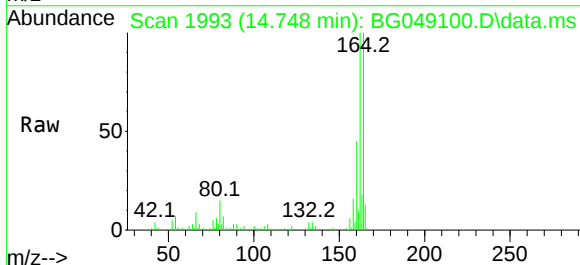


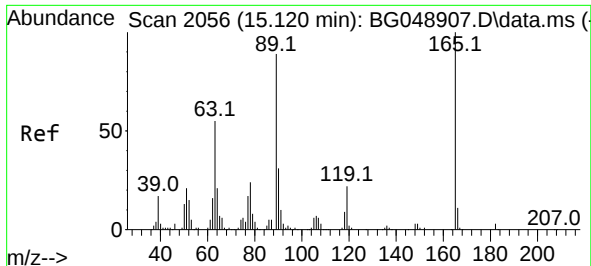
Tgt Ion:172 Resp: 434148
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 22.5 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.883 ng
RT: 14.748 min Scan# 1993
Delta R.T. 0.432 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

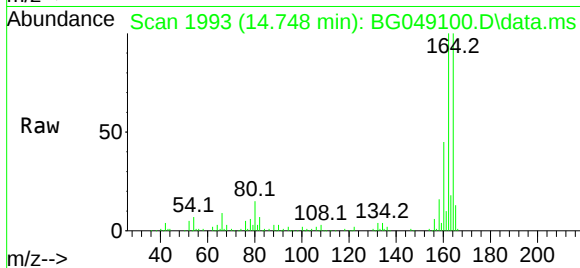
Tgt Ion:165 Resp: 14359
Ion Ratio Lower Upper
165 100
63 2.4 63.3 94.9#
89 1.6 63.4 95.0#



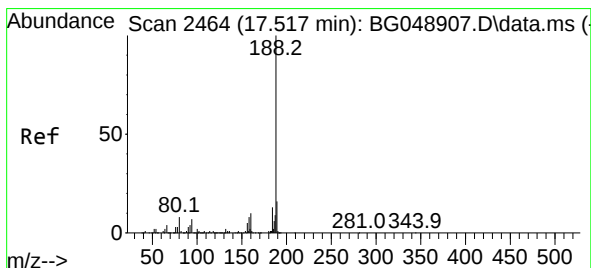
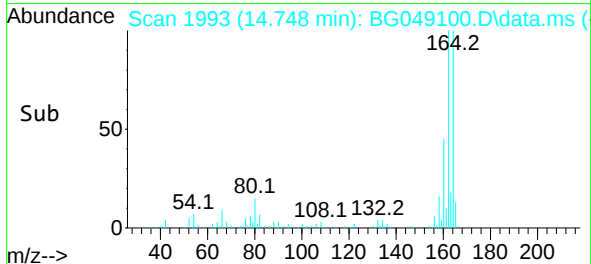
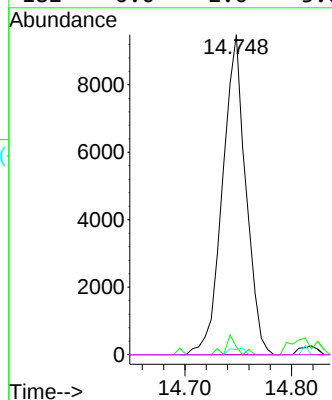


#57
2,4-Dinitrotoluene
Concen: 6.418 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.355 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Instrument :
BNA_G
ClientSampleId :
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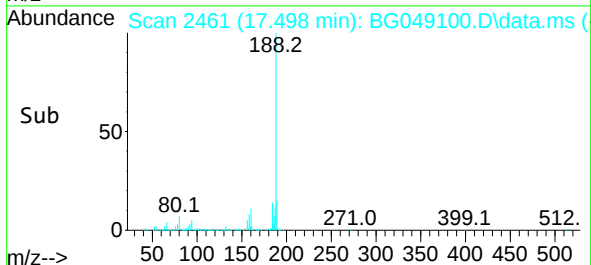
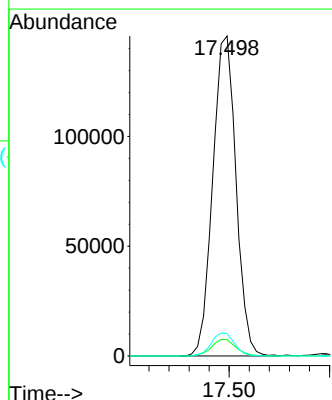
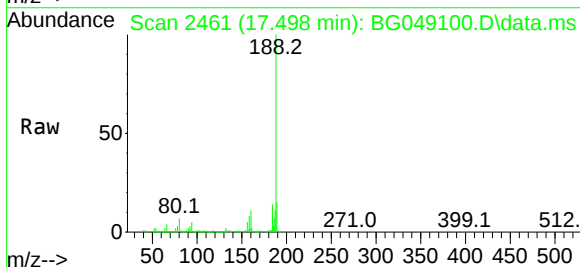


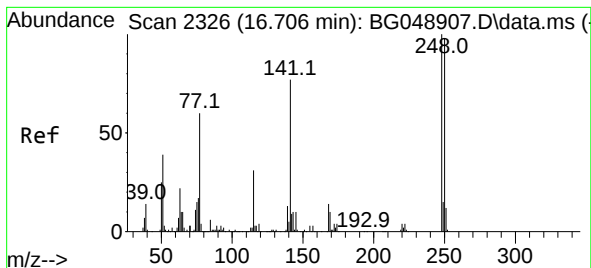
Tgt Ion:165 Resp: 14359
Ion Ratio Lower Upper
165 100
63 2.4 48.0 72.0#
89 1.6 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2461
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:188 Resp: 233970
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 7.0 3.7 5.5#

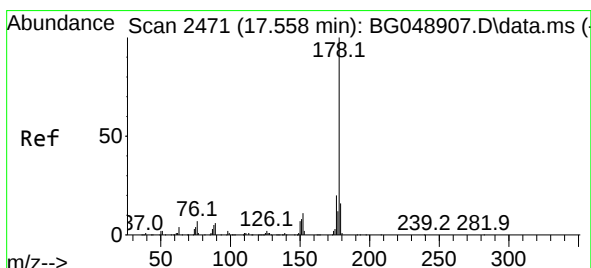
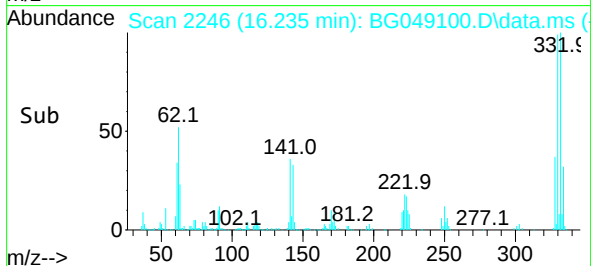
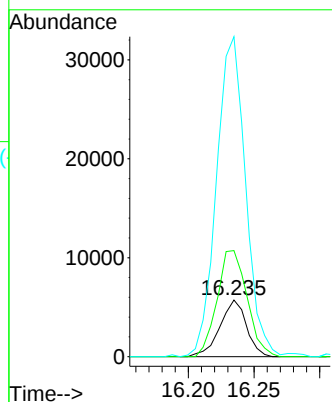
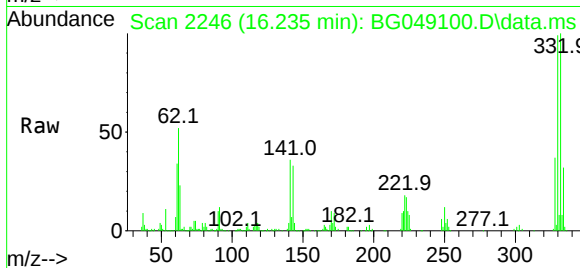




#67
4-Bromophenyl-phenylether
Concen: 2.754 ng
RT: 16.235 min Scan# 2246
Delta R.T. -0.449 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

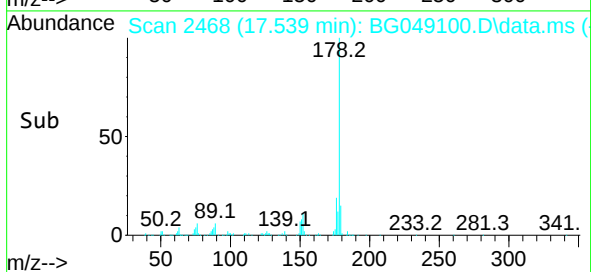
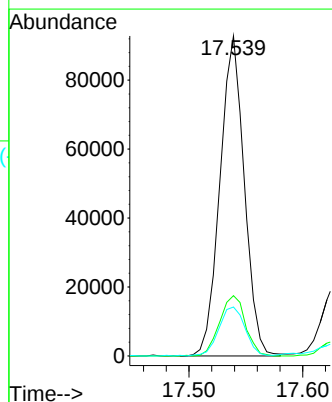
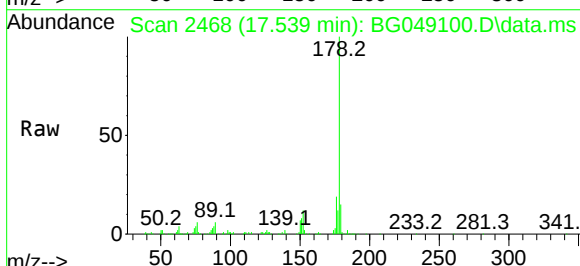
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

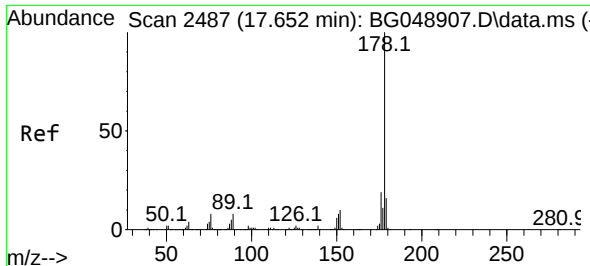
Tgt Ion:248 Resp: 8047
Ion Ratio Lower Upper
248 100
250 187.2 76.1 114.1#
141 564.8 65.4 98.2#



#71
Phenanthrene
Concen: 10.473 ng
RT: 17.539 min Scan# 2468
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:178 Resp: 137880
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.3 14.2 21.4

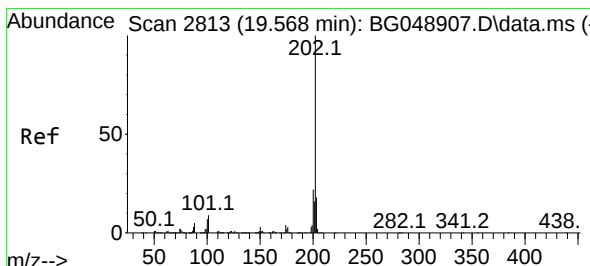
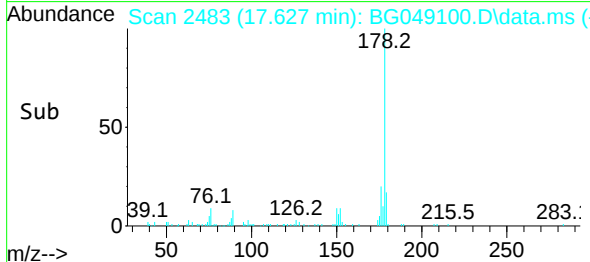
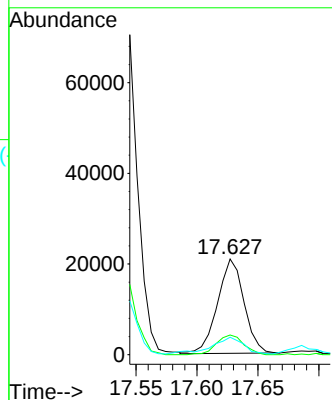
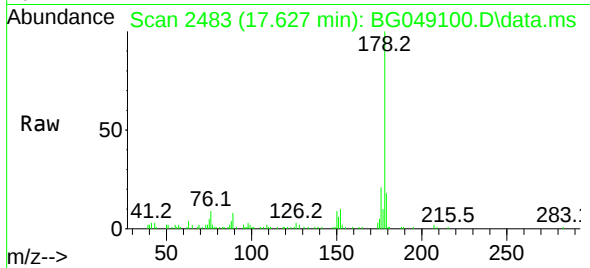




#72
 Anthracene
 Concen: 2.377 ng
 RT: 17.627 min Scan# 2483
 Delta R.T. -0.002 min
 Lab File: BG049100.D
 Acq: 25 Jun 2021 21:26

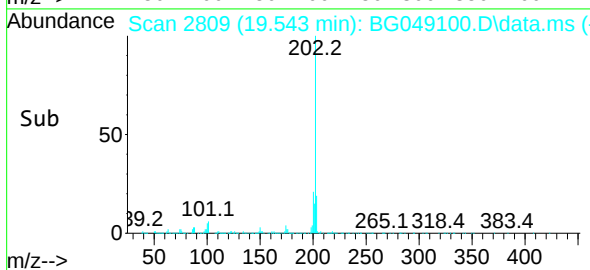
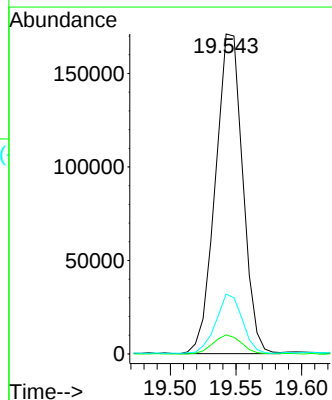
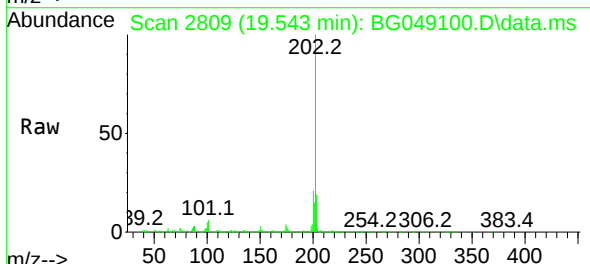
Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-3B

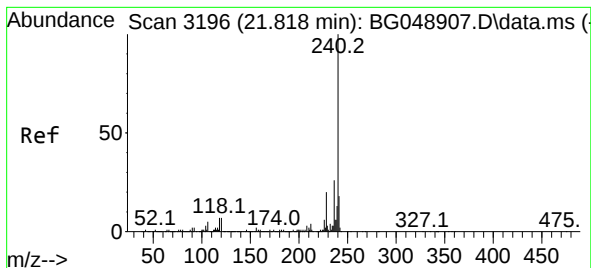
Tgt Ion:178 Resp: 31443
 Ion Ratio Lower Upper
 178 100
 176 20.5 14.6 21.8
 179 18.3 13.4 20.0



#75
 Fluoranthene
 Concen: 15.582 ng
 RT: 19.543 min Scan# 2809
 Delta R.T. -0.002 min
 Lab File: BG049100.D
 Acq: 25 Jun 2021 21:26

Tgt Ion:202 Resp: 247372
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 24.7
 203 18.7 0.0 38.5

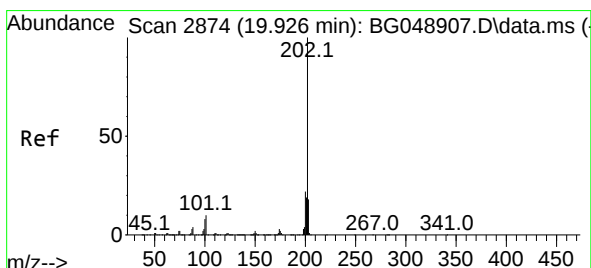
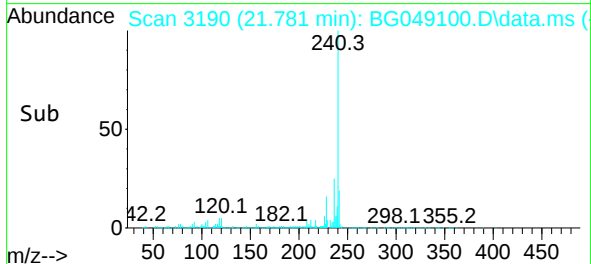
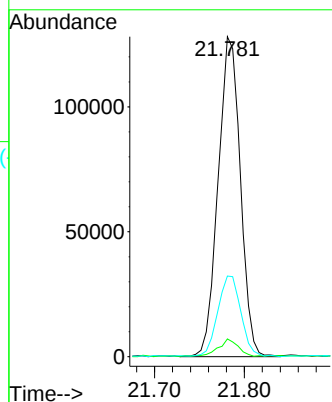
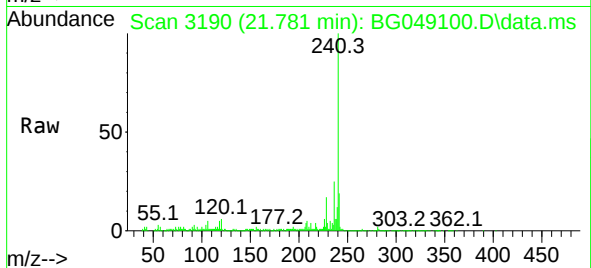




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3190
Delta R.T. -0.008 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

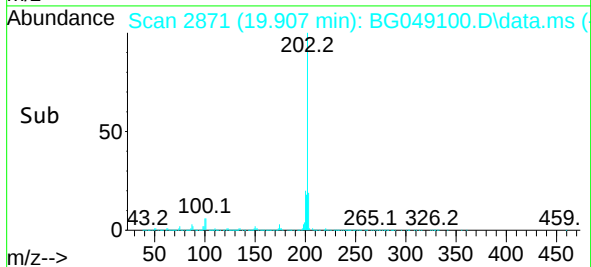
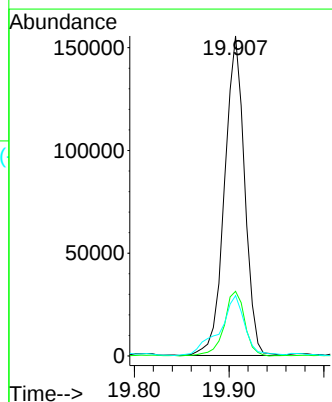
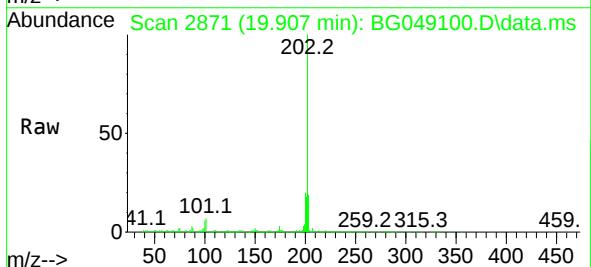
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

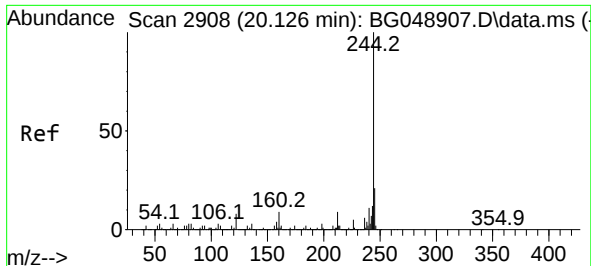
Tgt Ion:240 Resp: 220515
Ion Ratio Lower Upper
240 100
120 5.6 4.2 6.2
236 25.2 21.8 32.6



#78
Pyrene
Concen: 14.244 ng
RT: 19.907 min Scan# 2871
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:202 Resp: 227979
Ion Ratio Lower Upper
202 100
200 20.2 15.8 23.8
203 18.9 14.6 21.8

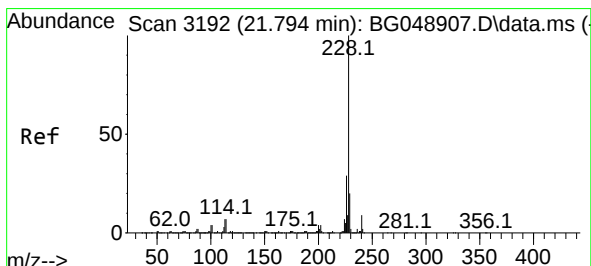
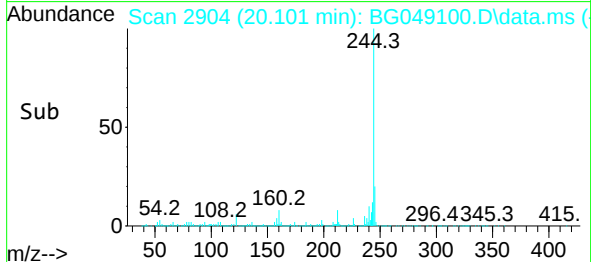
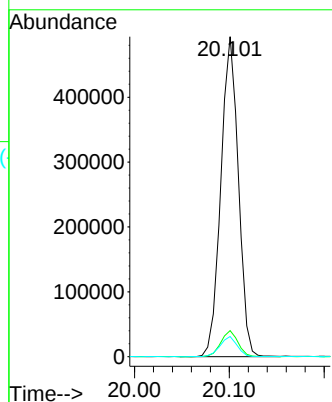
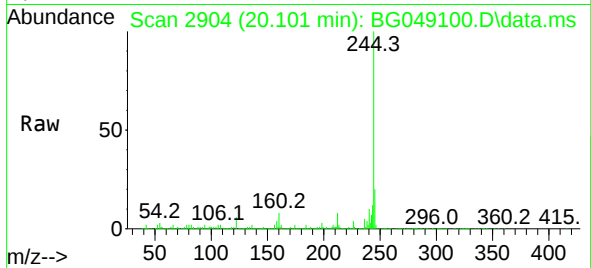




#79
Terphenyl-d14
Concen: 52.662 ng
RT: 20.101 min Scan# 2904
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

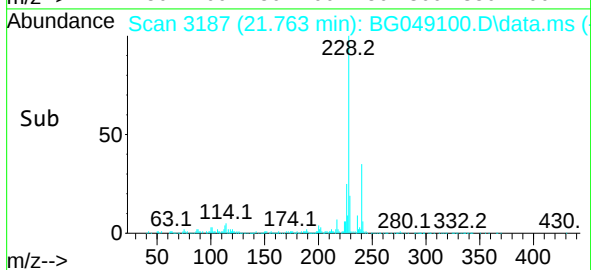
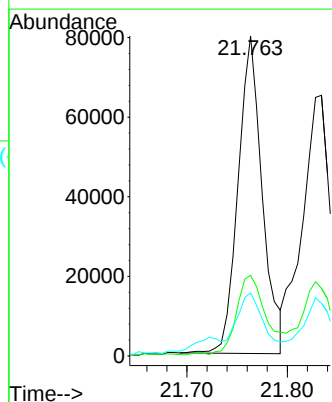
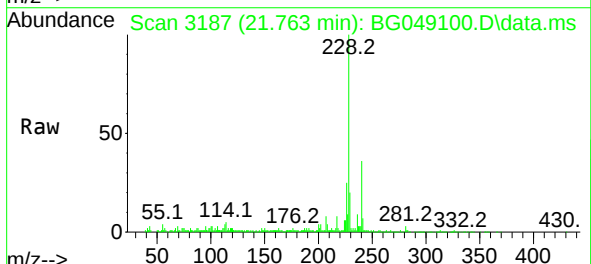
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

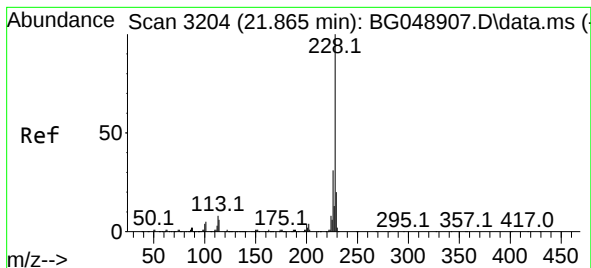
Tgt Ion:244 Resp: 634089
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 6.3 5.0 7.6



#81
Benzo(a)anthracene
Concen: 8.438 ng
RT: 21.763 min Scan# 3187
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:228 Resp: 133592
Ion Ratio Lower Upper
228 100
226 25.2 22.7 34.1
229 19.7 16.0 24.0





#83

Chrysene

Concen: 8.391 ng

RT: 21.834 min Scan# 3199

Delta R.T. -0.002 min

Lab File: BG049100.D

Acq: 25 Jun 2021 21:26

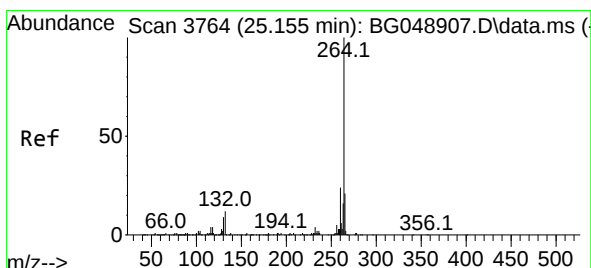
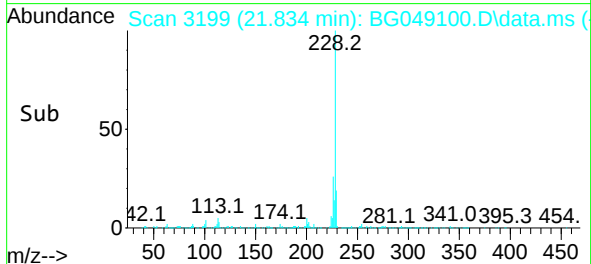
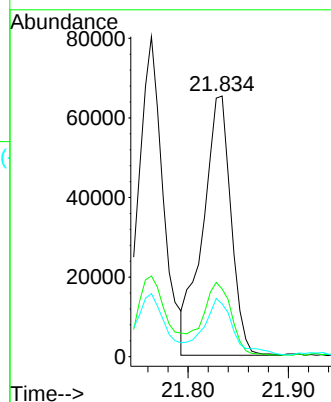
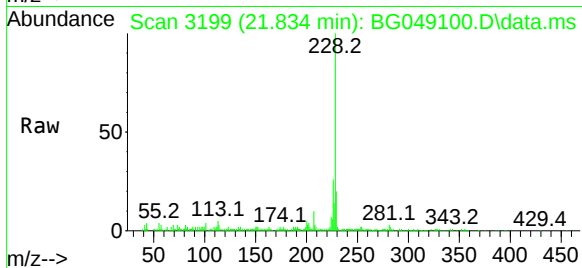
Tgt Ion:228 Resp: 127387

Ion Ratio Lower Upper

228 100

226 26.0 23.1 34.7

229 20.2 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.107 min Scan# 3756

Delta R.T. 0.003 min

Lab File: BG049100.D

Acq: 25 Jun 2021 21:26

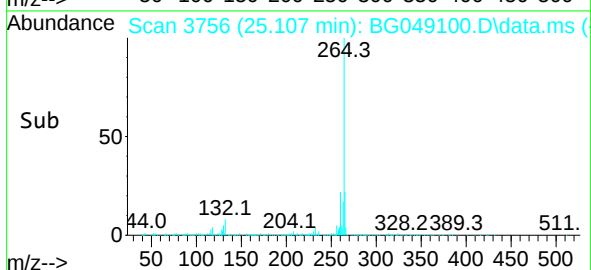
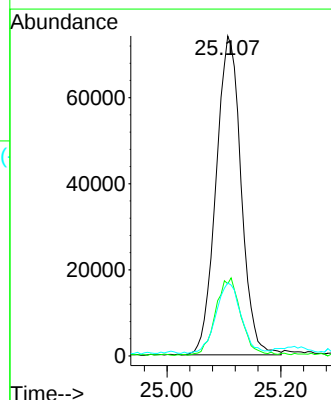
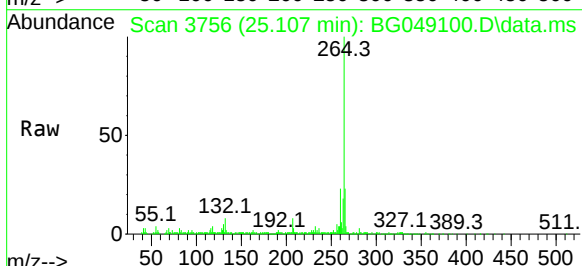
Tgt Ion:264 Resp: 226732

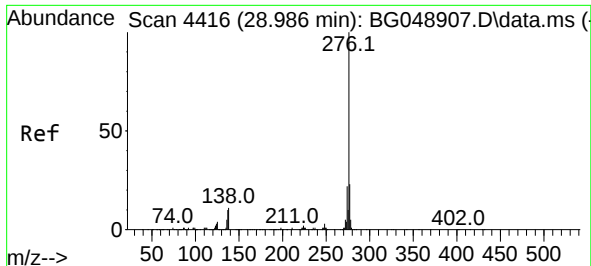
Ion Ratio Lower Upper

264 100

260 22.5 19.4 29.2

265 22.9 16.9 25.3

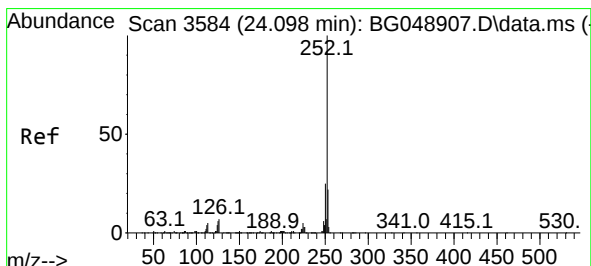
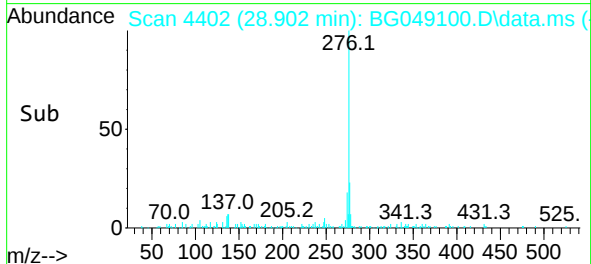
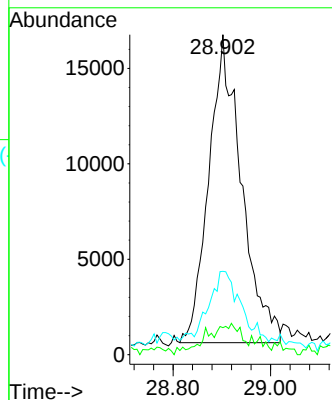
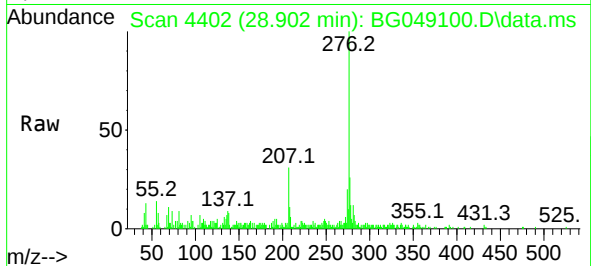




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.393 ng
RT: 28.902 min Scan# 4402
Delta R.T. -0.014 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

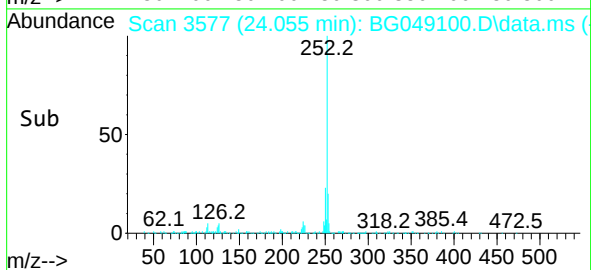
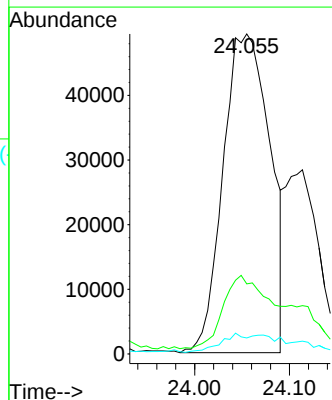
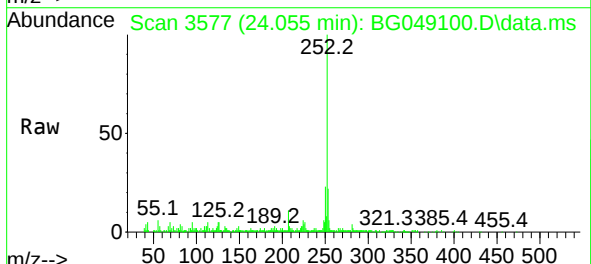
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

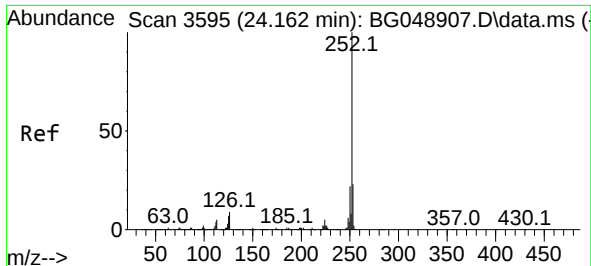
Tgt Ion:276 Resp: 74957
Ion Ratio Lower Upper
276 100
138 4.2 5.1 7.7#
277 17.8 19.8 29.6#



#88
Benzo(b)fluoranthene
Concen: 10.469 ng
RT: 24.055 min Scan# 3577
Delta R.T. 0.003 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:252 Resp: 169212
Ion Ratio Lower Upper
252 100
253 21.9 16.2 24.4
125 5.0 3.0 4.4#

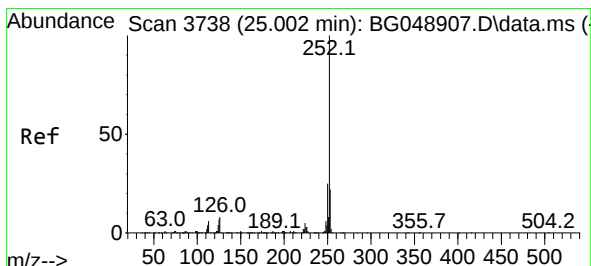
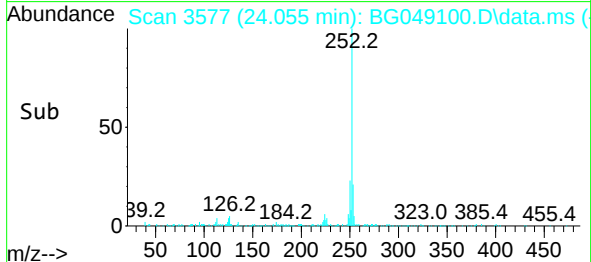
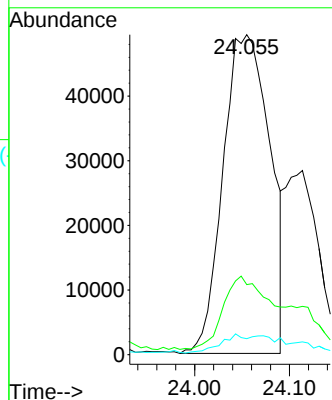
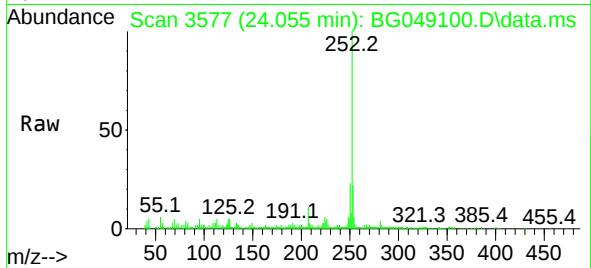




#89
Benzo(k)fluoranthene
Concen: 11.034 ng
RT: 24.055 min Scan# 3577
Delta R.T. -0.073 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

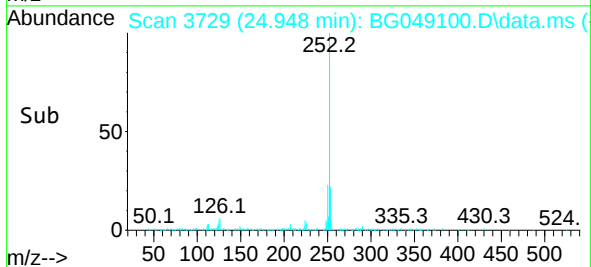
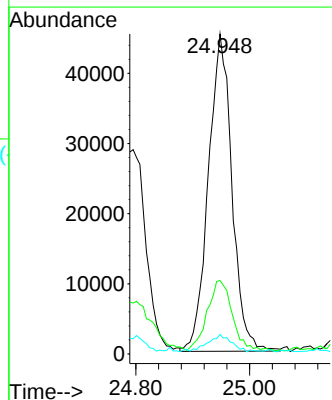
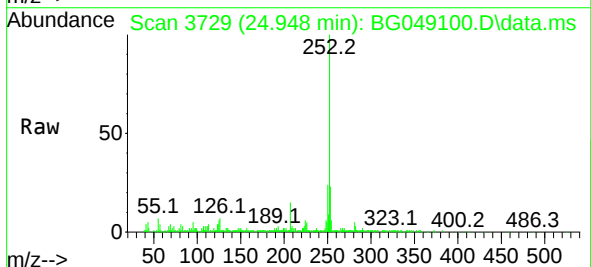
Instrument :
BNA_G
ClientSampleId :
15B-STOCKPILE-3B

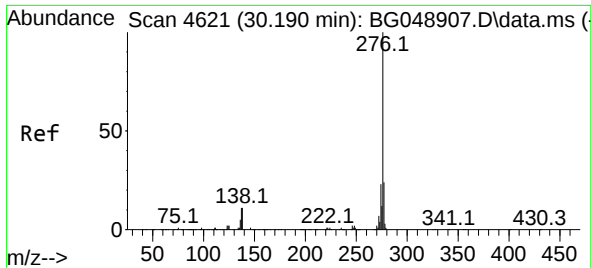
Tgt Ion:252 Resp: 169212
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 5.0 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 8.834 ng
RT: 24.948 min Scan# 3729
Delta R.T. -0.002 min
Lab File: BG049100.D
Acq: 25 Jun 2021 21:26

Tgt Ion:252 Resp: 130330
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 6.1 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 4.953 ng
 RT: 30.089 min Scan# 4604
 Delta R.T. -0.020 min
 Lab File: BG049100.D
 Acq: 25 Jun 2021 21:26

Instrument :
 BNA_G
 ClientSampleId :
 15B-STOCKPILE-3B

Tgt Ion:276 Resp: 71219
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.4 27.6
 138 14.3 7.0 10.6#

