

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054820.D
 Acq On : 1 Sep 2022 13:23
 Operator : CG/JU
 Sample : N4431-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-4RE

Quant Time: Sep 01 14:34:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

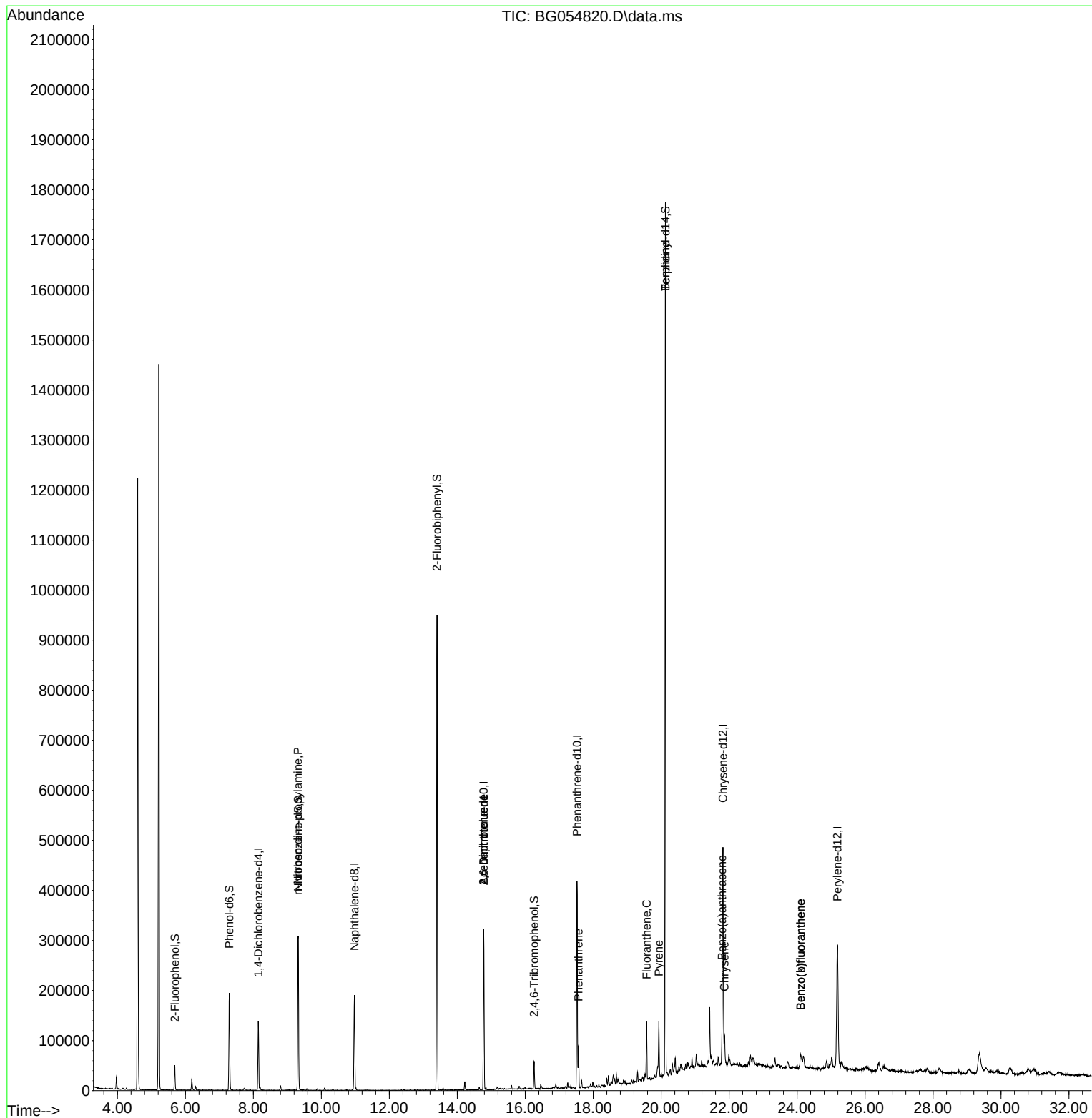
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	41688	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	168987	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	117316	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	270190	20.000	ng	0.00
76) Chrysene-d12	21.819	240	256900	20.000	ng	0.00
86) Perylene-d12	25.185	264	275367	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	23474	9.805	ng	0.00
7) Phenol-d6	7.295	99	121873	37.225	ng	0.00
23) Nitrobenzene-d5	9.322	82	200722	62.355	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	12125	8.271	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	512803	65.699	ng	0.00
79) Terphenyl-d14	20.127	244	892050	68.801	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	25433	11.296	ng	# 77
51) 2,6-Dinitrotoluene	14.780	165	15279	8.265	ng	# 20
57) 2,4-Dinitrotoluene	14.780	165	15279	5.975	ng	# 18
71) Phenanthrene	17.571	178	54595	3.793	ng	96
75) Fluoranthene	19.574	202	75620	4.319	ng	96
77) Benzidine	20.127	184	12781	2.009	ng	# 92
78) Pyrene	19.933	202	74592	4.164	ng	98
81) Benzo(a)anthracene	21.795	228	44582	2.559	ng	97
83) Chrysene	21.866	228	38147	2.290	ng	95
88) Benzo(b)fluoranthene	24.104	252	36341	2.104	ng	99
89) Benzo(k)fluoranthene	24.104	252	36341	2.090	ng	100

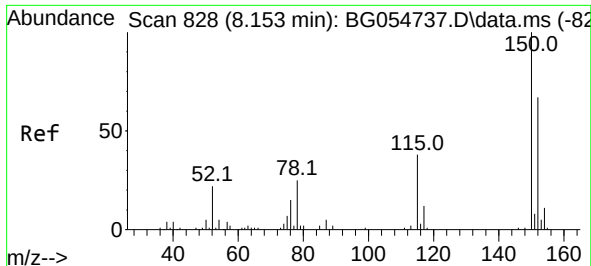
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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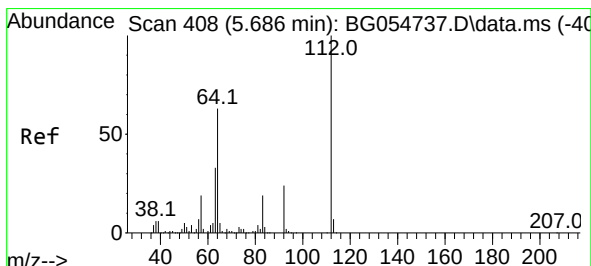
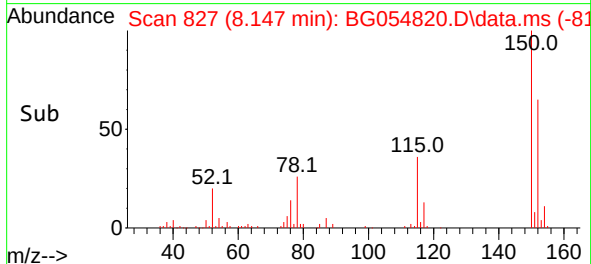
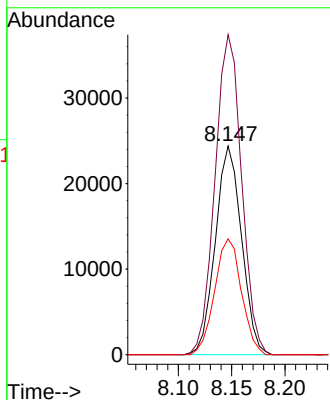
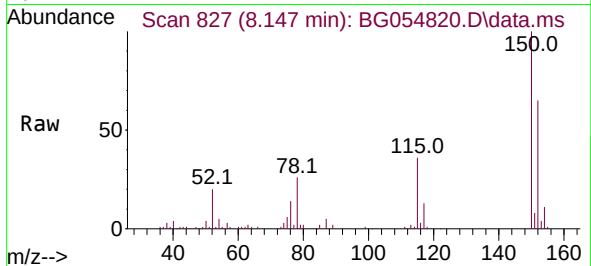




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

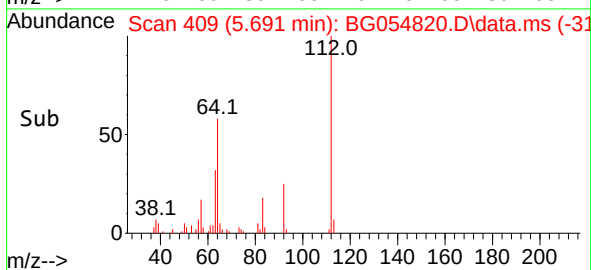
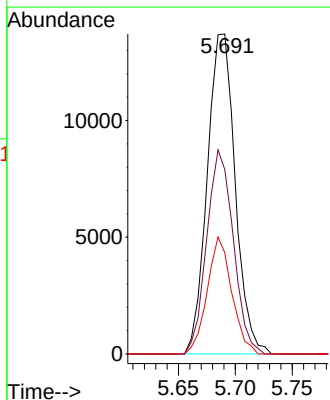
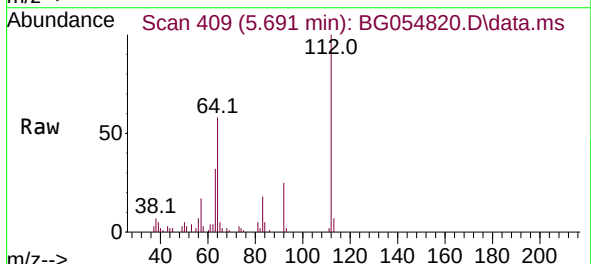
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4RE

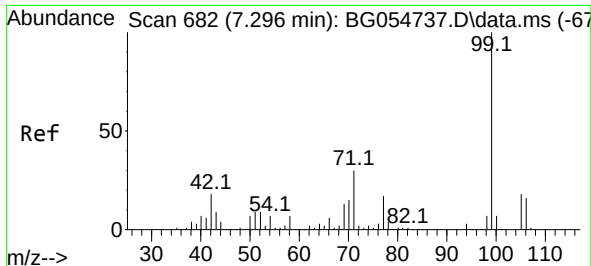
Tgt Ion:152 Resp: 41688
Ion Ratio Lower Upper
152 100
150 153.3 125.2 187.8
115 55.5 47.9 71.9



#5
2-Fluorophenol
Concen: 9.805 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:112 Resp: 23474
Ion Ratio Lower Upper
112 100
64 57.6 49.3 73.9
63 31.6 26.3 39.5

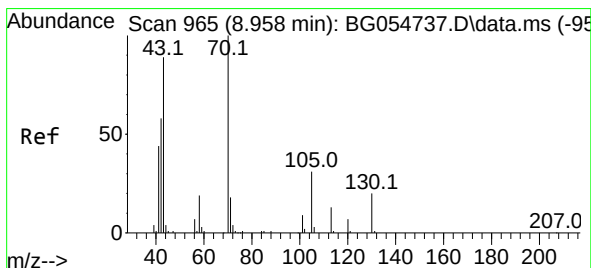
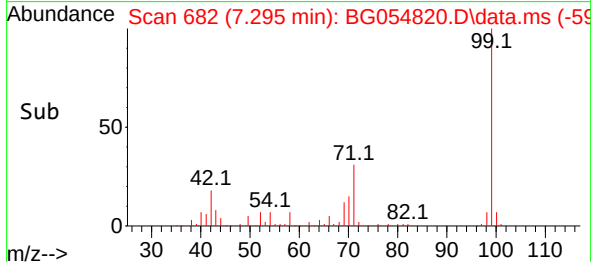
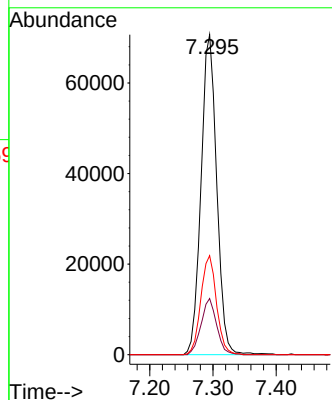
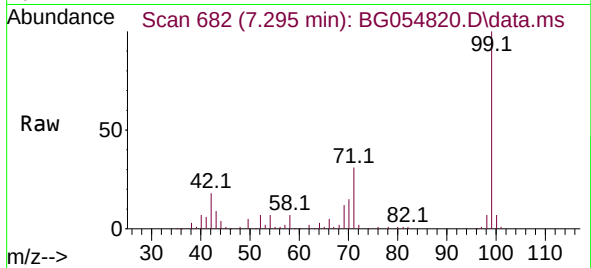




#7
Phenol-d6
Concen: 37.225 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

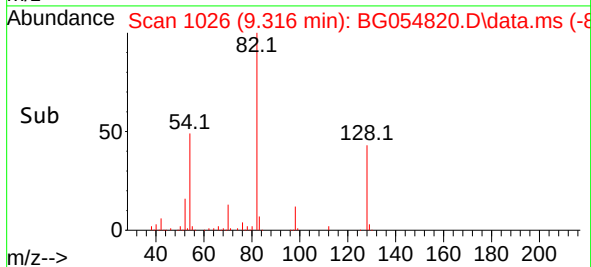
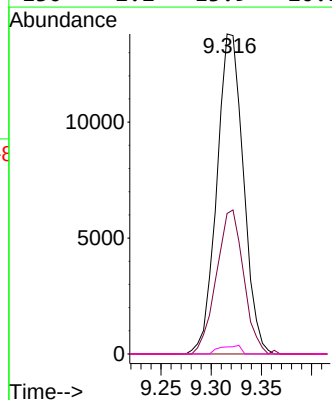
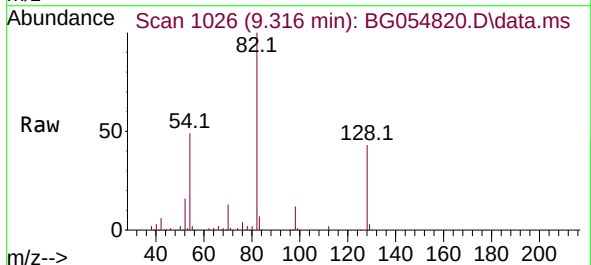
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4RE

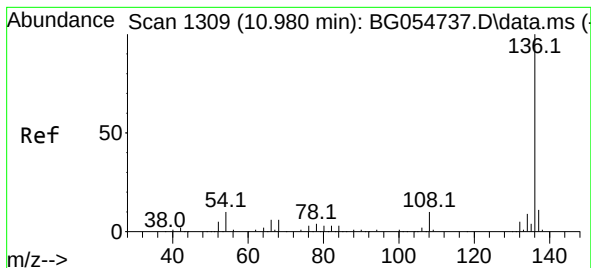
Tgt Ion: 99 Resp: 121873
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 30.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.296 ng
RT: 9.316 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion: 70 Resp: 25433
Ion Ratio Lower Upper
70 100
42 43.9 46.6 69.8#
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#

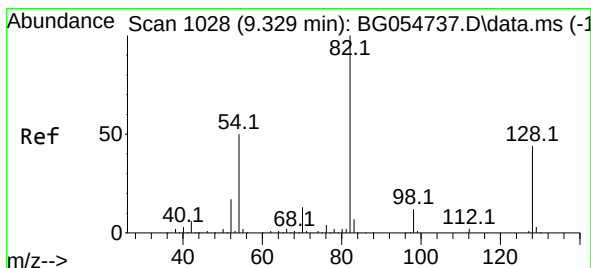
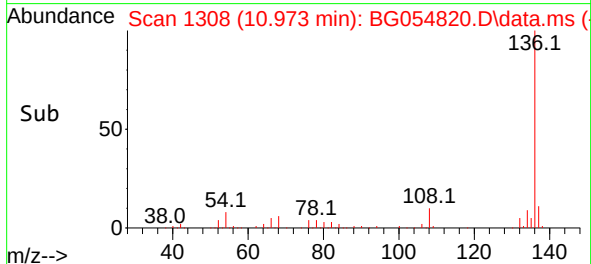
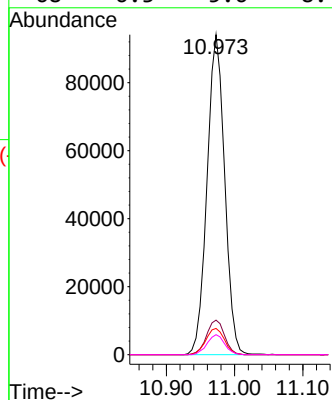
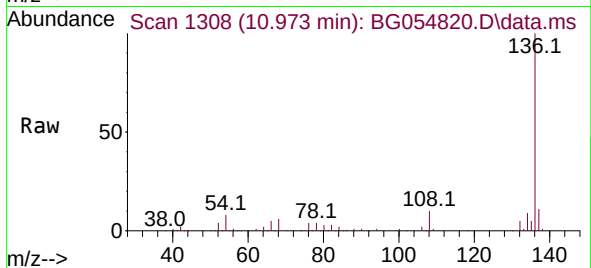




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

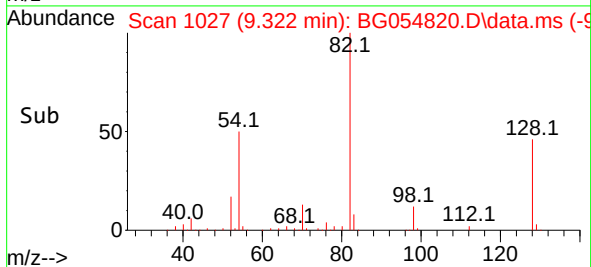
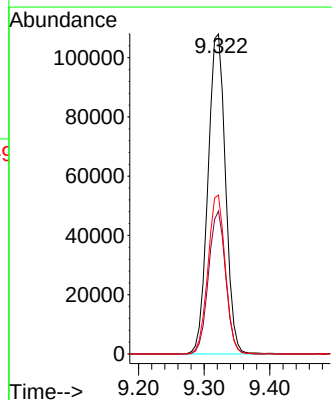
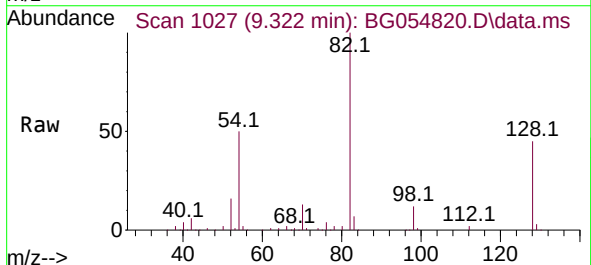
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4RE

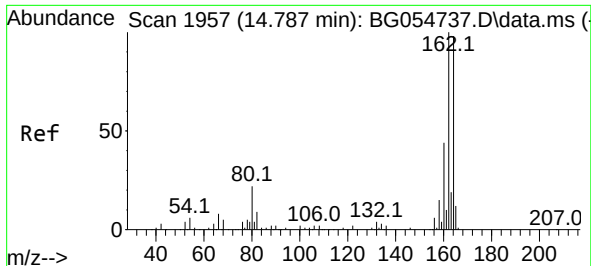
Tgt Ion:	136	Resp:	168987
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.2	7.7	11.5
68	6.3	5.6	8.4



#23
Nitrobenzene-d5
Concen: 62.355 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:	82	Resp:	200722
Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.2	48.2
54	49.7	41.4	62.0

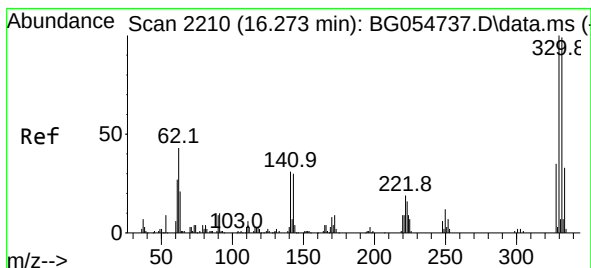
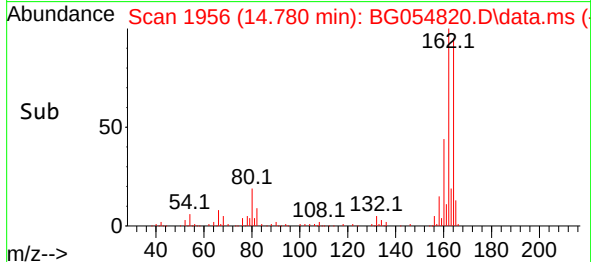
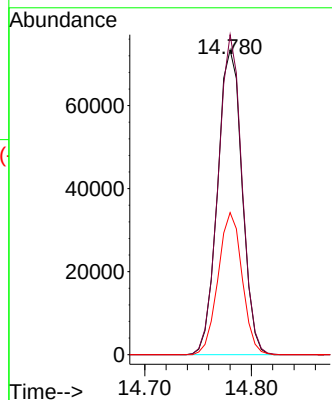
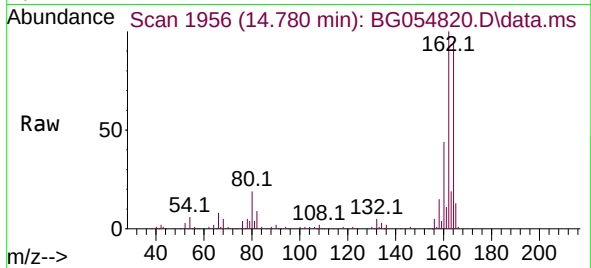




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

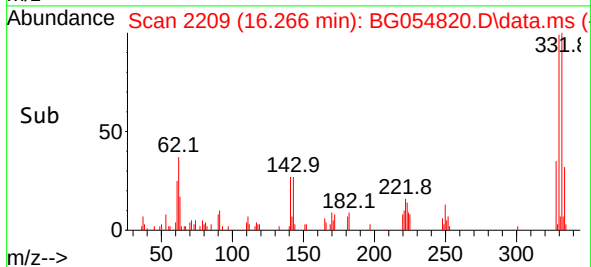
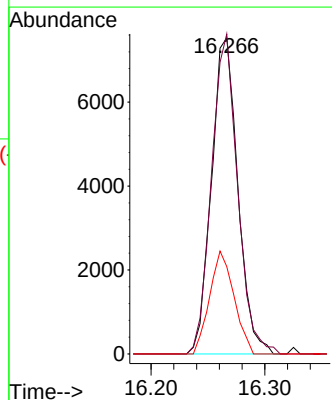
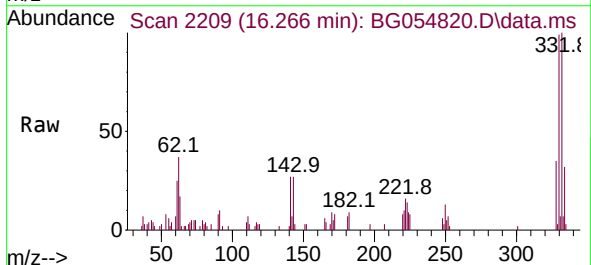
Instrument :
BNA_G
ClientSampleId :
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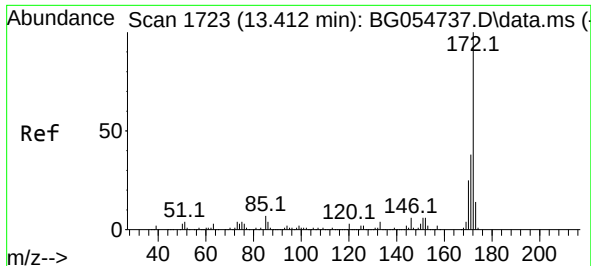
Tgt Ion:164 Resp: 117316
Ion Ratio Lower Upper
164 100
162 105.0 83.0 124.4
160 46.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 8.271 ng
RT: 16.266 min Scan# 2209
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:330 Resp: 12125
Ion Ratio Lower Upper
330 100
332 99.9 79.8 119.6
141 30.1 26.8 40.2

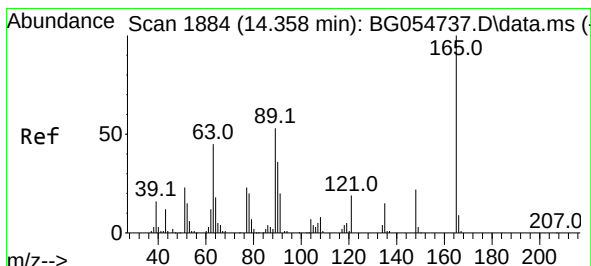
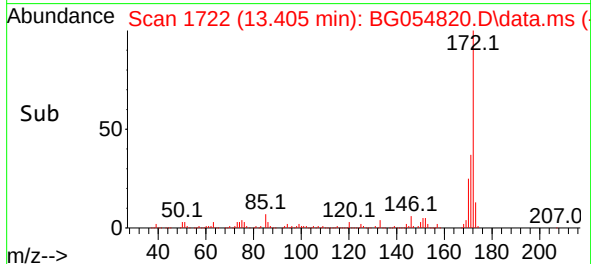
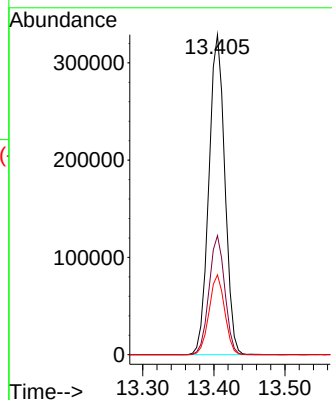
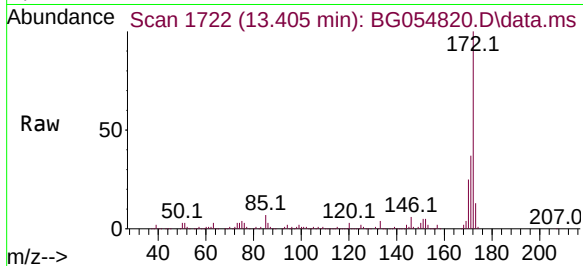




#45
2-Fluorobiphenyl
Concen: 65.699 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

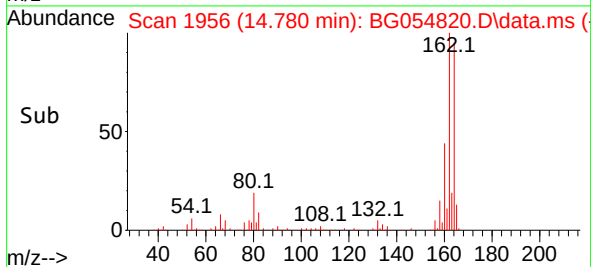
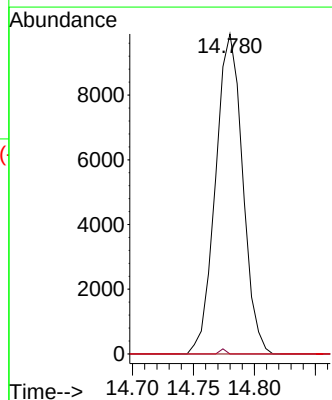
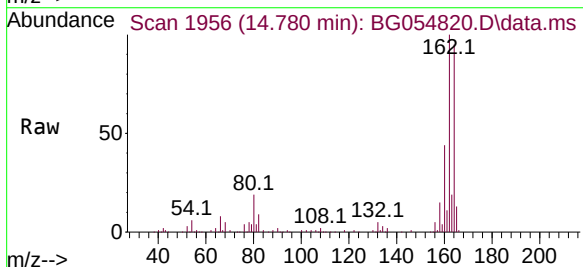
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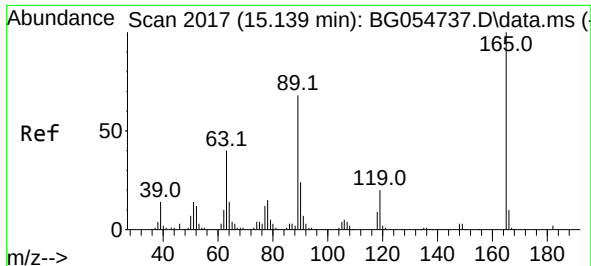
Tgt Ion:172 Resp: 512803
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.265 ng
RT: 14.780 min Scan# 1956
Delta R.T. 0.422 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:165 Resp: 15279
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

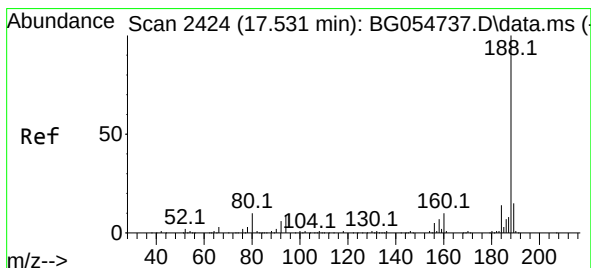
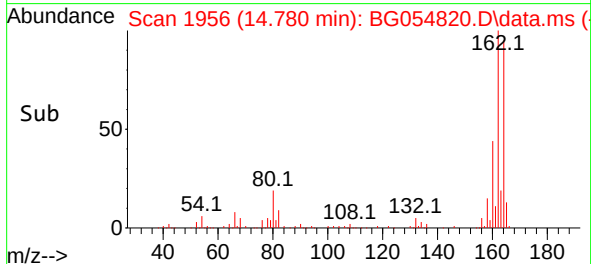
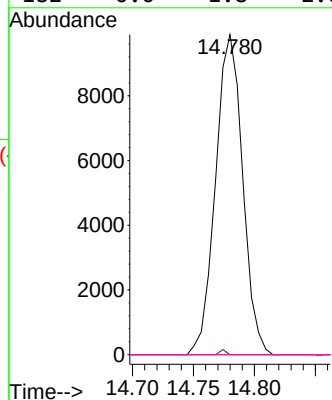
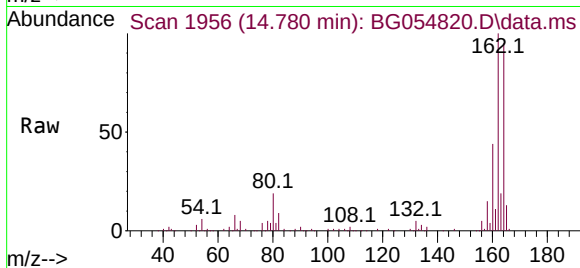




#57
2,4-Dinitrotoluene
Concen: 5.975 ng
RT: 14.780 min Scan# 1956
Delta R.T. -0.359 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

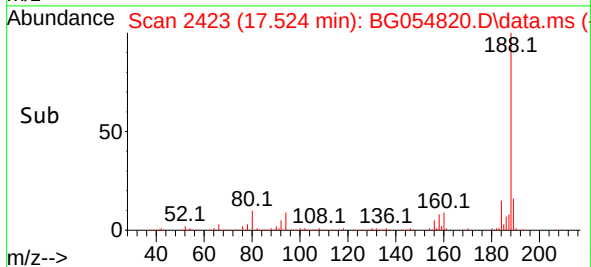
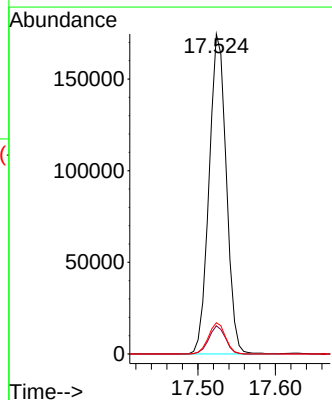
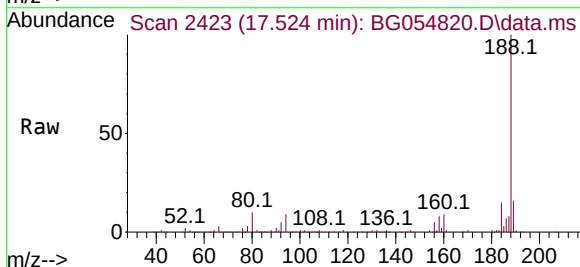
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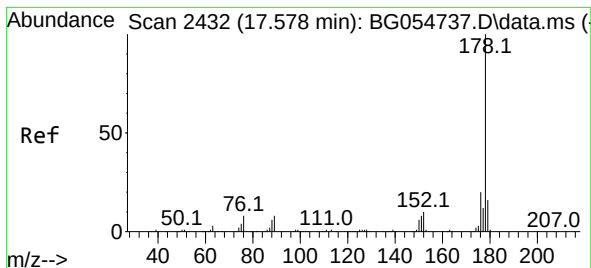
Tgt Ion:165 Resp: 15279
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 2423
Delta R.T. -0.007 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:188 Resp: 270190
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.8 7.9 11.9





#71

Phenanthrene

Concen: 3.793 ng

RT: 17.571 min Scan# 2431

Delta R.T. -0.007 min

Lab File: BG054820.D

Acq: 1 Sep 2022 13:23

Instrument :

BNA_G

ClientSampleId :

CRUSHED-MASONARY-PILE-4RE

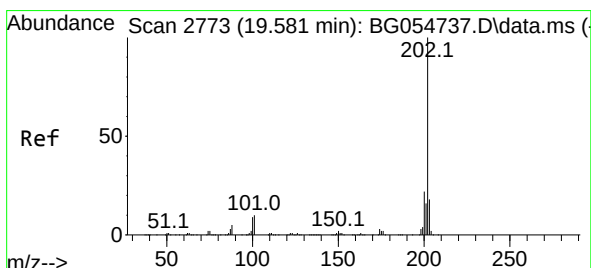
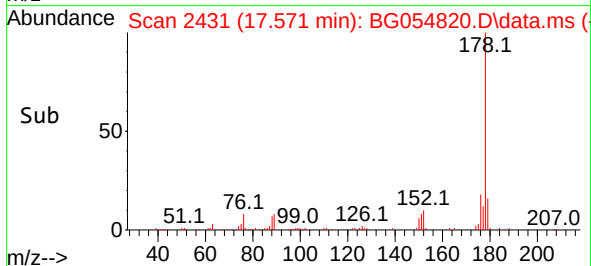
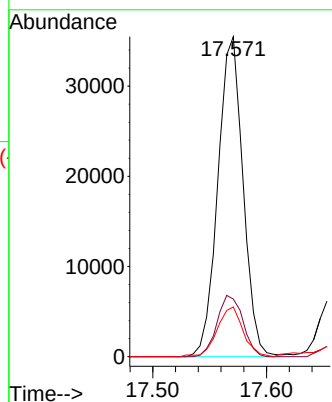
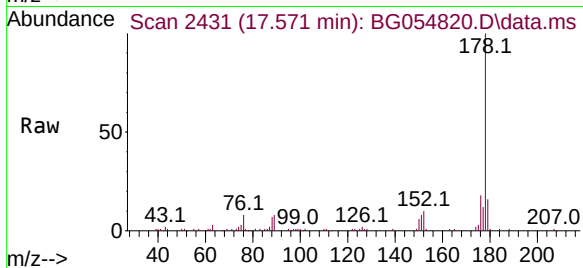
Tgt Ion:178 Resp: 54595

Ion Ratio Lower Upper

178 100

176 18.0 16.6 25.0

179 15.5 12.8 19.2



#75

Fluoranthene

Concen: 4.319 ng

RT: 19.574 min Scan# 2772

Delta R.T. -0.007 min

Lab File: BG054820.D

Acq: 1 Sep 2022 13:23

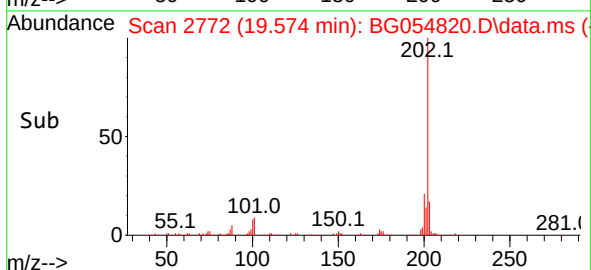
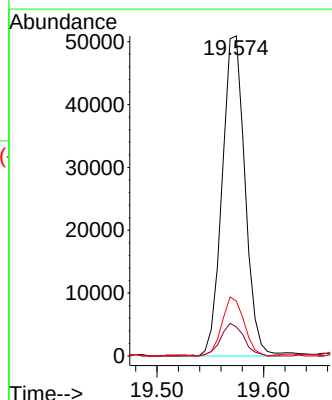
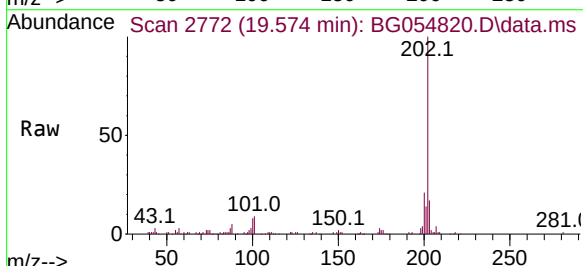
Tgt Ion:202 Resp: 75620

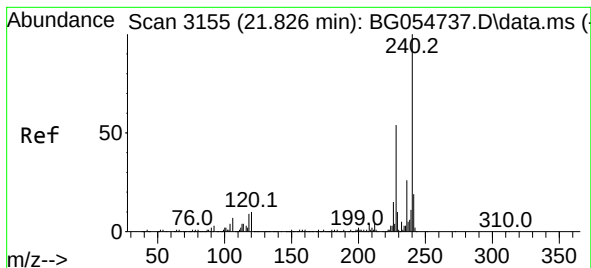
Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.4

203 17.2 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.819 min Scan# 3154

Delta R.T. -0.007 min

Lab File: BG054820.D

Acq: 1 Sep 2022 13:23

Instrument :

BNA_G

ClientSampleId :

CRUSHED-MASONARY-PILE-4RE

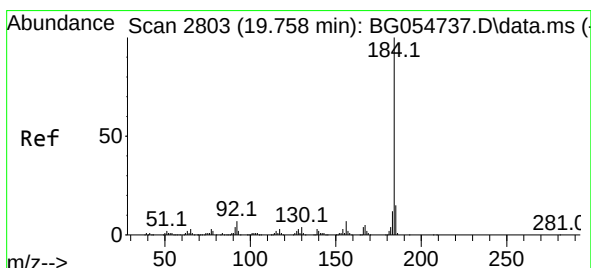
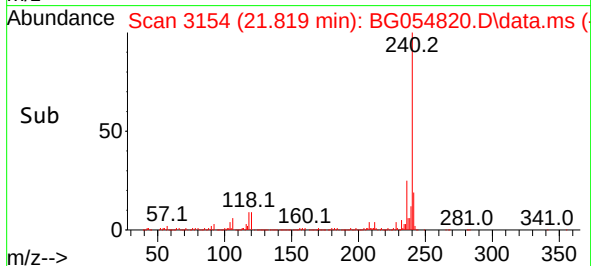
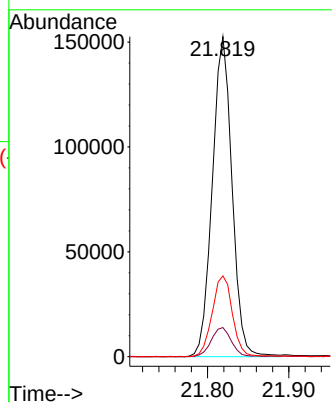
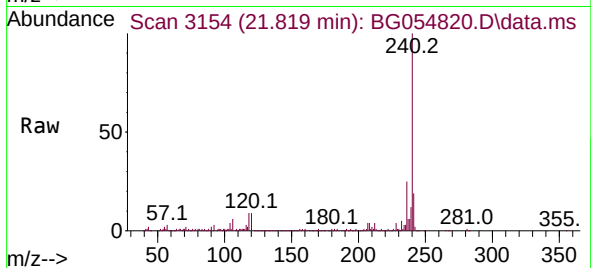
Tgt Ion:240 Resp: 256900

Ion Ratio Lower Upper

240 100

120 9.1 8.2 12.4

236 25.2 21.2 31.8



#77

Benzidine

Concen: 2.009 ng

RT: 20.127 min Scan# 2866

Delta R.T. 0.369 min

Lab File: BG054820.D

Acq: 1 Sep 2022 13:23

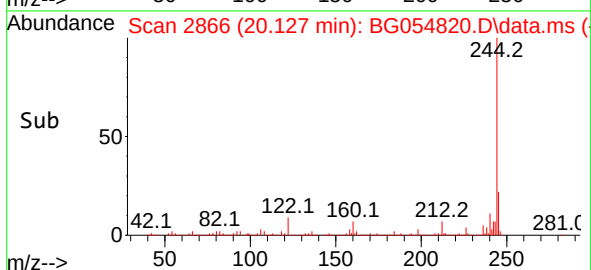
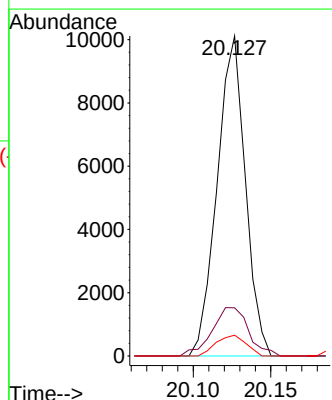
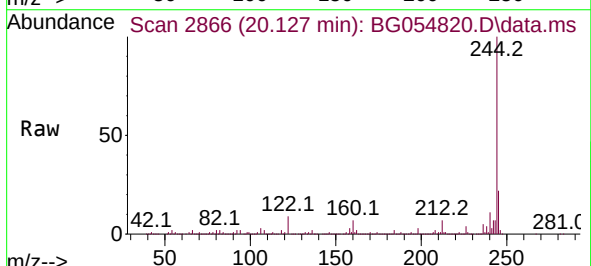
Tgt Ion:184 Resp: 12781

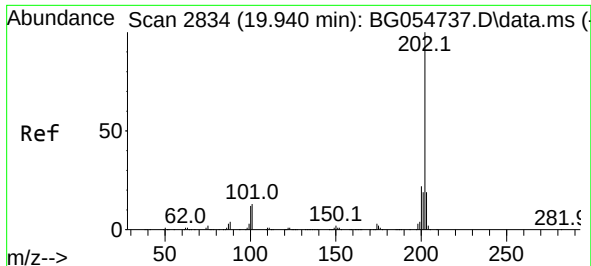
Ion Ratio Lower Upper

184 100

185 15.1 11.4 17.0

183 6.5 9.8 14.8#

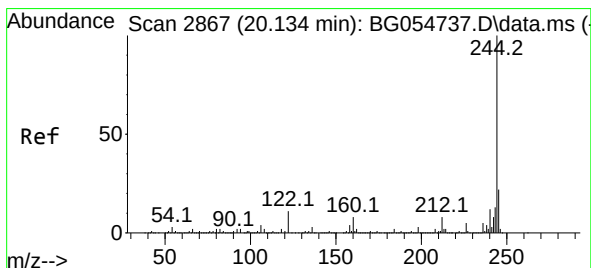
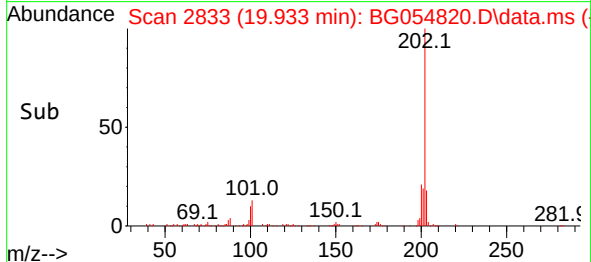
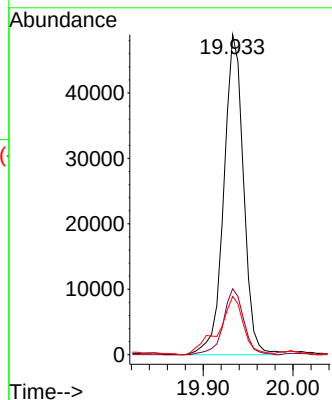
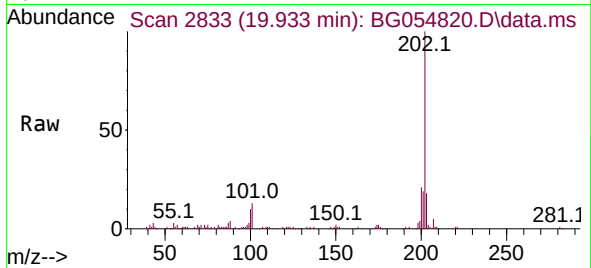




#78
 Pyrene
 Concen: 4.164 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054820.D
 Acq: 1 Sep 2022 13:23

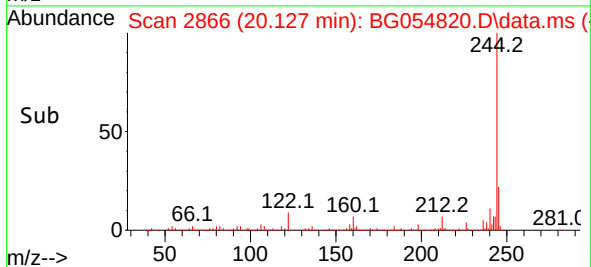
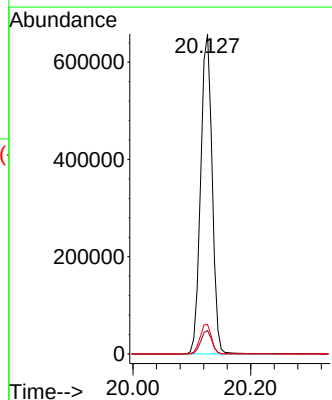
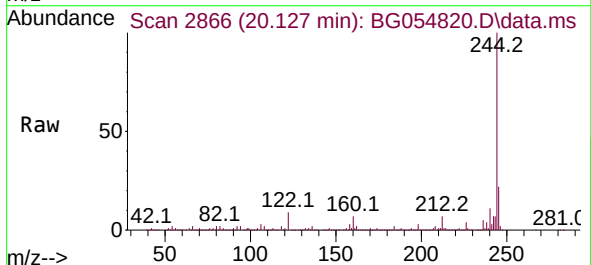
Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-4RE

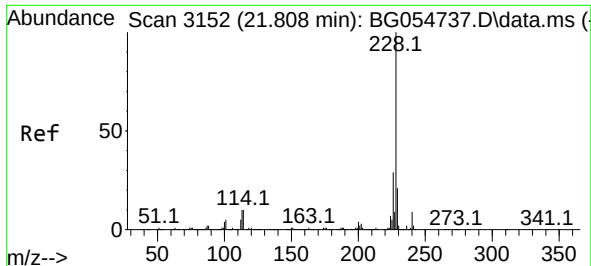
Tgt Ion:202 Resp: 74592
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.8 26.6
 203 18.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 68.801 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054820.D
 Acq: 1 Sep 2022 13:23

Tgt Ion:244 Resp: 892050
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.2 9.0 13.6

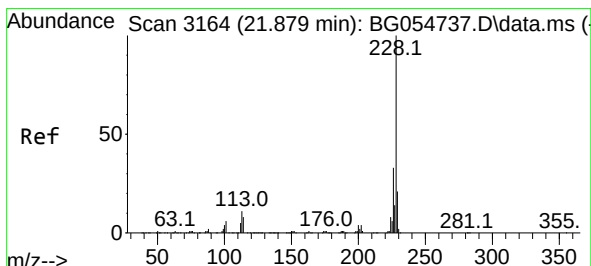
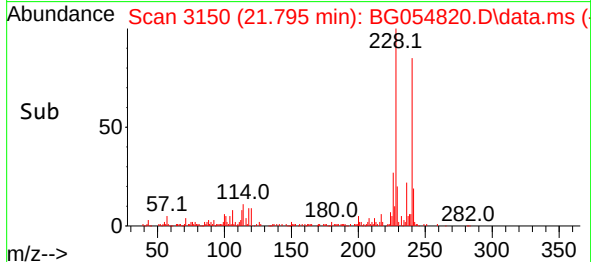
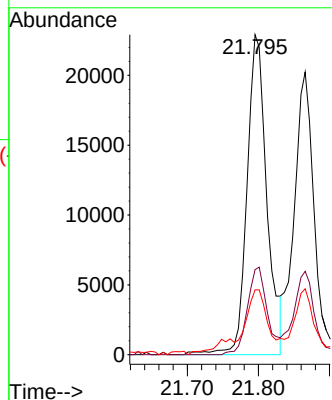
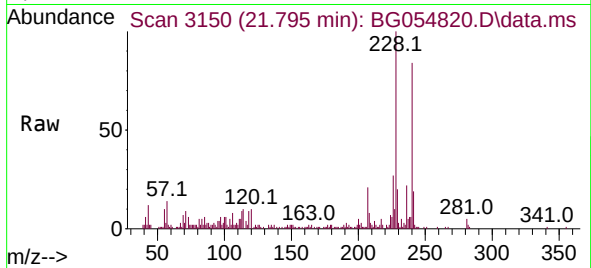




#81
Benzo(a)anthracene
Concen: 2.559 ng
RT: 21.795 min Scan# 3150
Delta R.T. -0.013 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

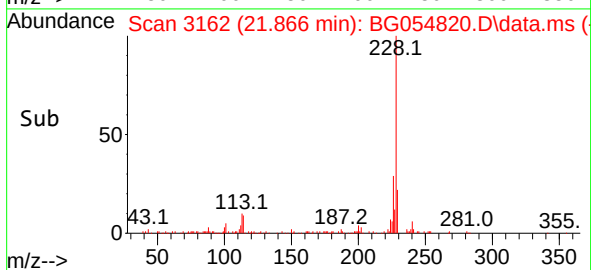
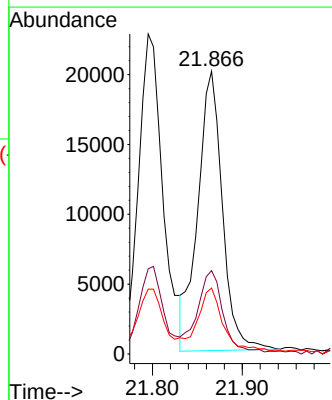
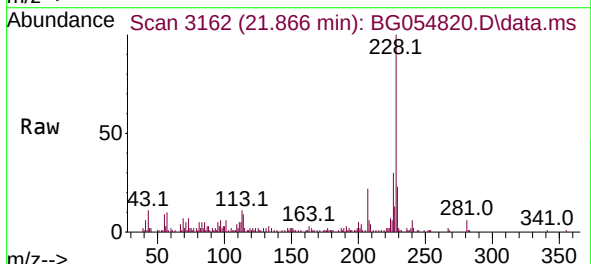
Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4RE

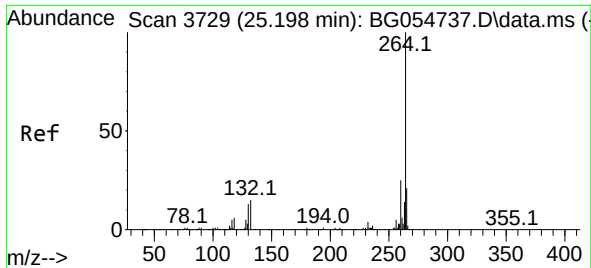
Tgt Ion:228 Resp: 44582
Ion Ratio Lower Upper
228 100
226 26.6 23.4 35.2
229 20.3 16.5 24.7



#83
Chrysene
Concen: 2.290 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.013 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Tgt Ion:228 Resp: 38147
Ion Ratio Lower Upper
228 100
226 29.5 25.5 38.3
229 23.3 16.8 25.2

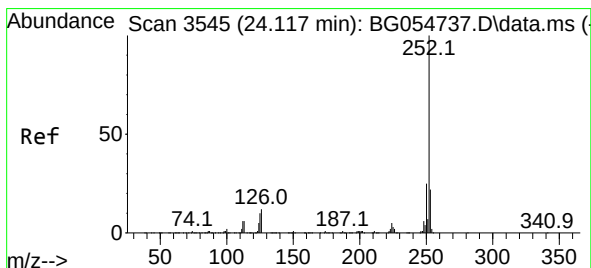
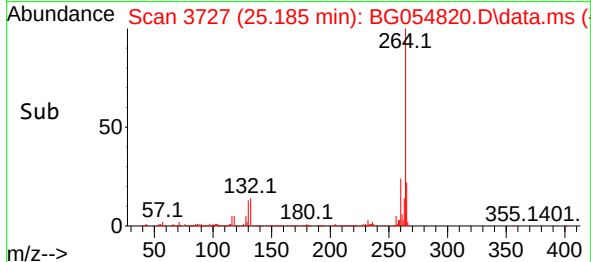
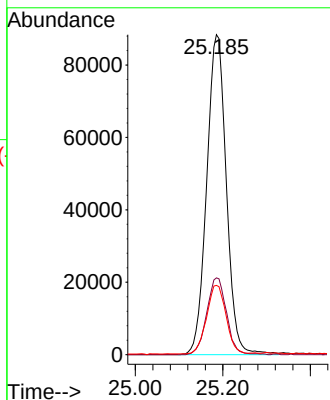
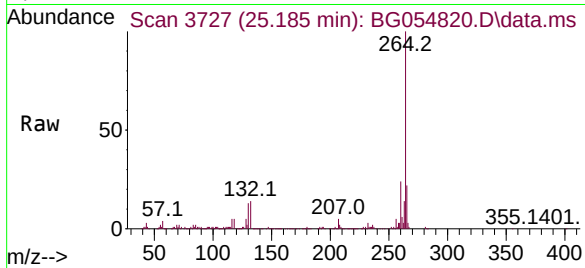




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.185 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG054820.D
 Acq: 1 Sep 2022 13:23

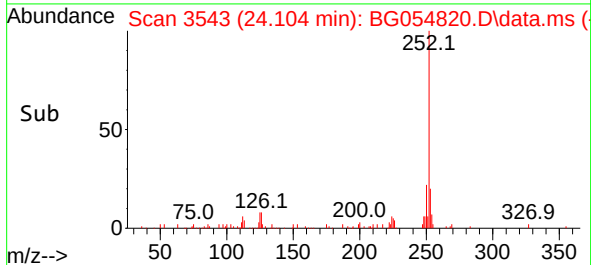
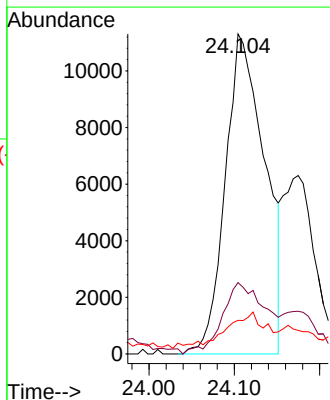
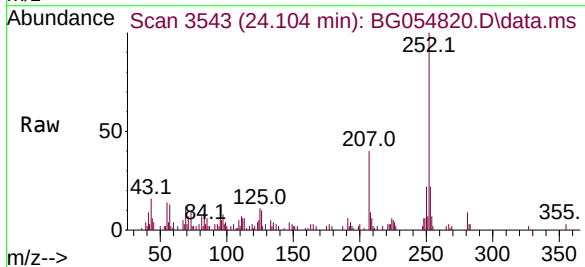
Instrument :
 BNA_G
 ClientSampleId :
 CRUSHED-MASONARY-PILE-4RE

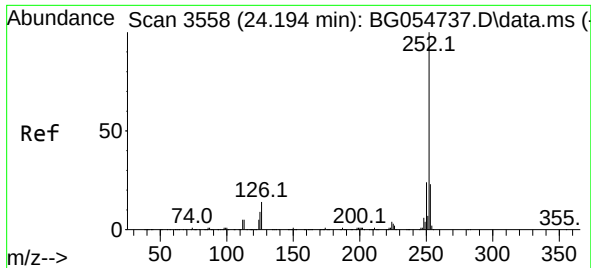
Tgt Ion:264 Resp: 275367
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.9 29.9
 265 21.7 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 2.104 ng
 RT: 24.104 min Scan# 3543
 Delta R.T. -0.013 min
 Lab File: BG054820.D
 Acq: 1 Sep 2022 13:23

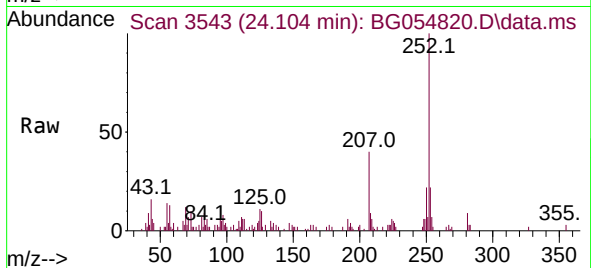
Tgt Ion:252 Resp: 36341
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.0 27.0
 125 10.5 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 2.090 ng
RT: 24.104 min Scan# 31
Delta R.T. -0.089 min
Lab File: BG054820.D
Acq: 1 Sep 2022 13:23

Instrument :
BNA_G
ClientSampleId :
CRUSHED-MASONARY-PILE-4RE



Tgt Ion:252 Resp: 36341
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.5 8.2 12.4

