

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
 Data File : BG055219.D
 Acq On : 20 Oct 2022 12:56
 Operator : CG/JU
 Sample : N5175-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-1

Quant Time: Oct 20 15:15:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 20 09:21:42 2022
 Response via : Initial Calibration

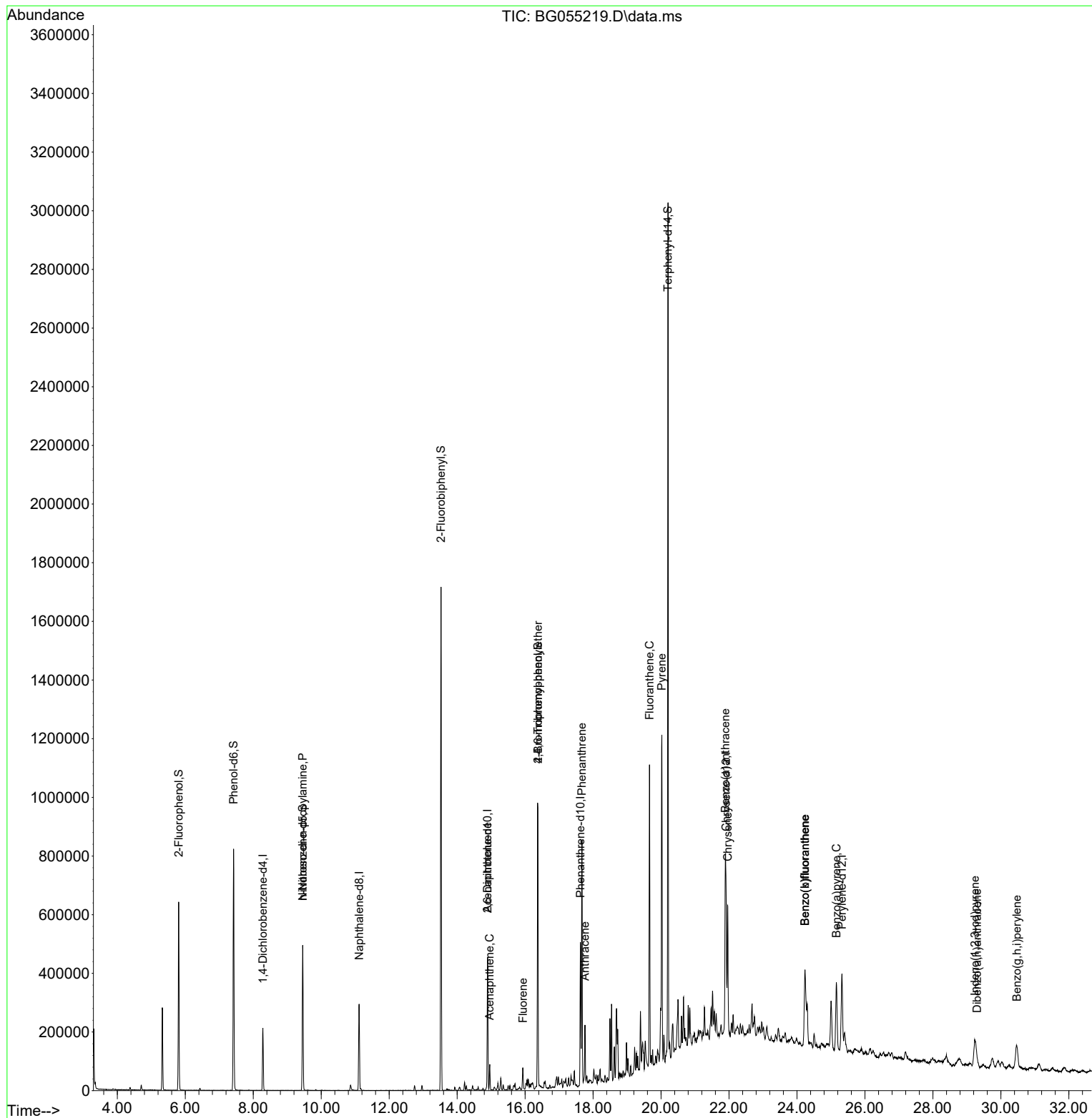
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.285	152	57567	20.000	ng	0.00
21) Naphthalene-d8	11.117	136	254545	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	151783	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	287403	20.000	ng	0.00
76) Chrysene-d12	21.910	240	236169	20.000	ng	0.00
86) Perylene-d12	25.324	264	248864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	271069	84.717	ng	0.00
7) Phenol-d6	7.421	99	478053	98.049	ng	0.00
23) Nitrobenzene-d5	9.454	82	310117	58.818	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	162730	103.467	ng	0.00
45) 2-Fluorobiphenyl	13.526	172	823065	86.616	ng	0.00
79) Terphenyl-d14	20.206	244	1172658	92.519	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.454	70	41515	9.928	ng	# 75
51) 2,6-Dinitrotoluene	14.895	165	20671	8.629	ng	# 17
52) Acenaphthene	14.959	154	29439	3.267	ng	95
58) Fluorene	15.935	166	33399	3.055	ng	95
67) 4-Bromophenyl-phenylether	16.375	248	10811	3.859	ng	# 1
71) Phenanthrene	17.674	178	476606	31.077	ng	100
72) Anthracene	17.762	178	122053	8.144	ng	98
75) Fluoranthene	19.660	202	596647	35.122	ng	100
78) Pyrene	20.024	202	663464	37.283	ng	99
81) Benzo(a)anthracene	21.892	228	324093	21.156	ng	99
83) Chrysene	21.963	228	296320	20.771	ng	97
87) Indeno(1,2,3-cd)pyrene	29.237	276	154240	8.911	ng	# 88
88) Benzo(b)fluoranthene	24.237	252	320469	21.685	ng	# 93
89) Benzo(k)fluoranthene	24.237	252	320469	21.412	ng	# 94
90) Benzo(a)pyrene	25.159	252	248072	19.557	ng	# 93
91) Dibenzo(a,h)anthracene	29.301	278	44062	3.107	ng	# 88
92) Benzo(g,h,i)perylene	30.471	276	154627	11.256	ng	# 87

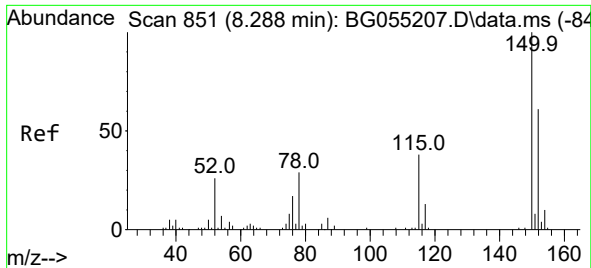
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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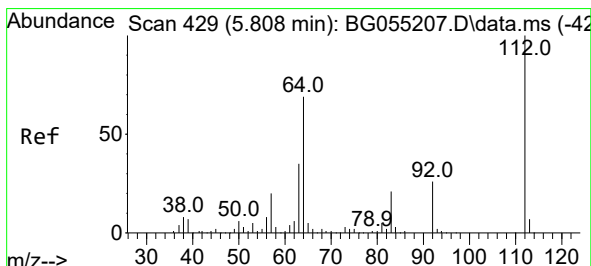
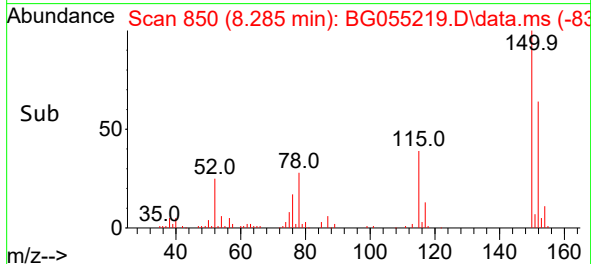
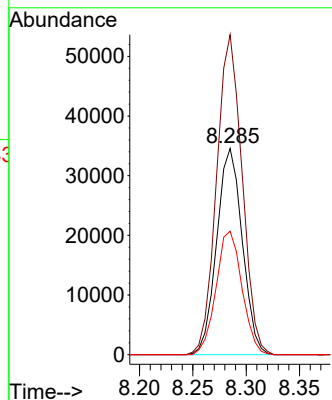
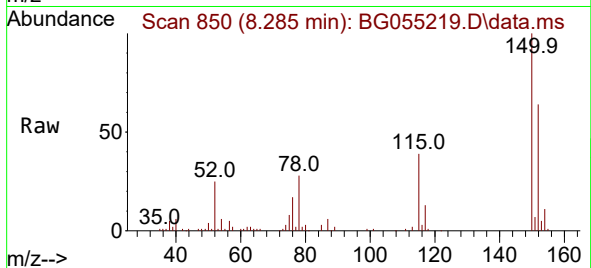




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.285 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

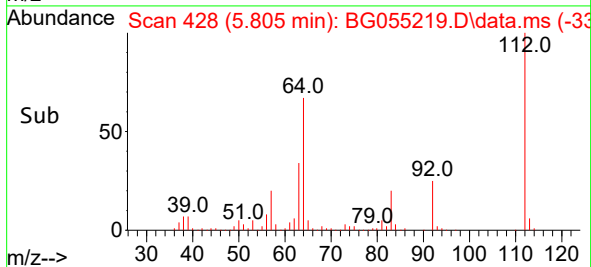
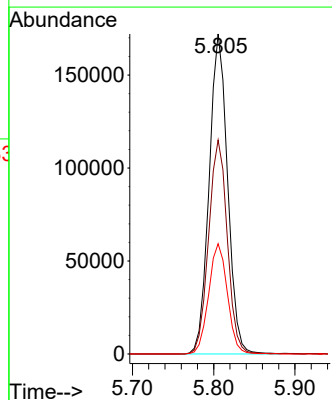
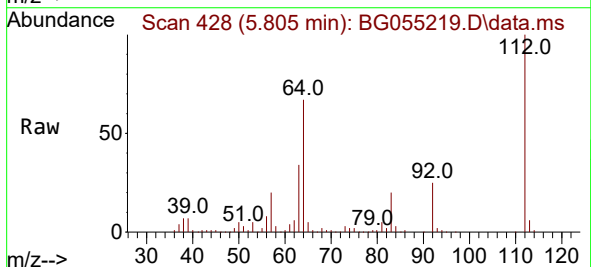
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

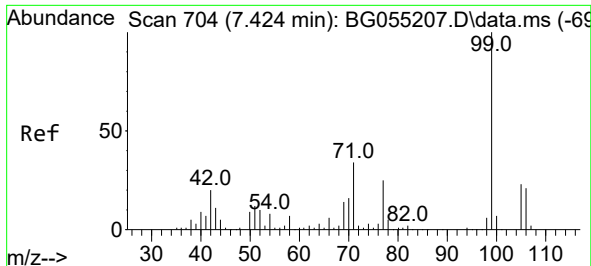
Tgt Ion:152 Resp: 57567
Ion Ratio Lower Upper
152 100
150 155.1 130.2 195.2
115 59.9 50.0 75.0



#5
2-Fluorophenol
Concen: 84.717 ng
RT: 5.805 min Scan# 428
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:112 Resp: 271069
Ion Ratio Lower Upper
112 100
64 66.9 55.1 82.7
63 34.5 27.8 41.6

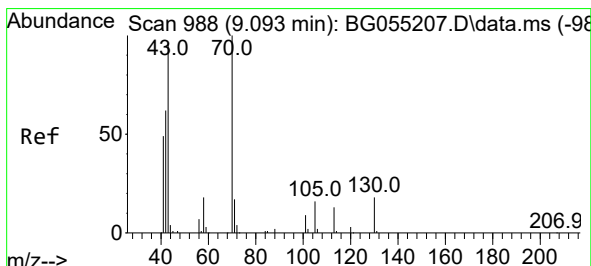
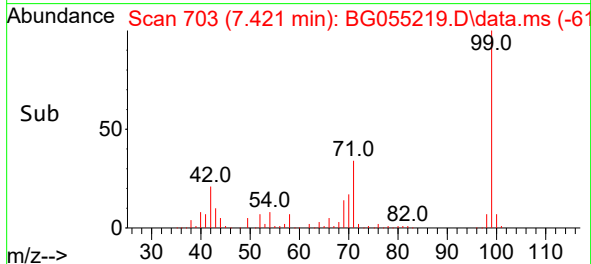
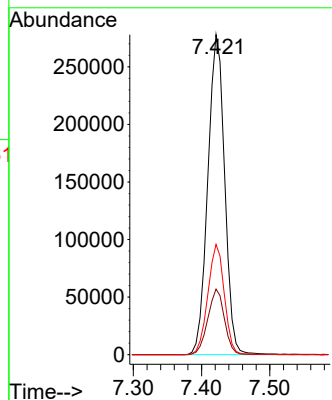
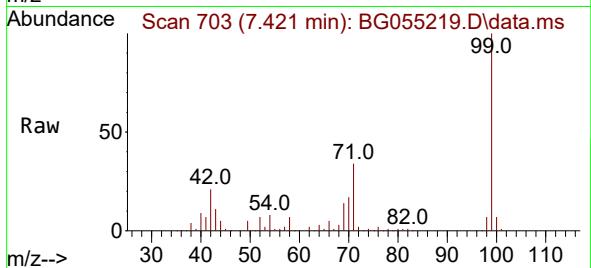




#7
Phenol-d6
Concen: 98.049 ng
RT: 7.421 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

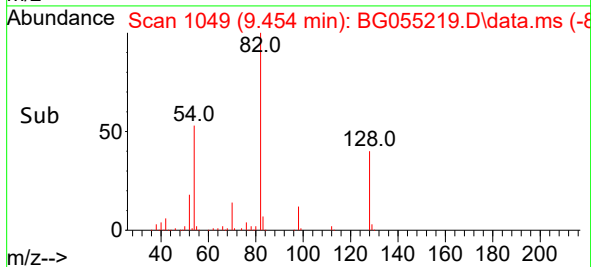
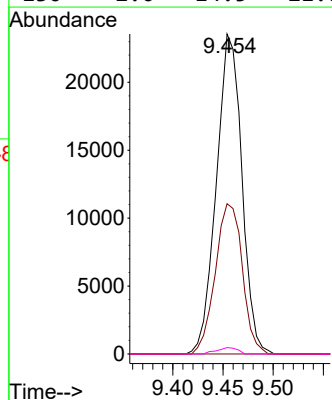
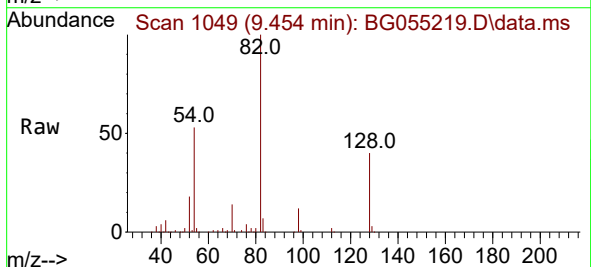
Instrument :
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ClientSampleId :
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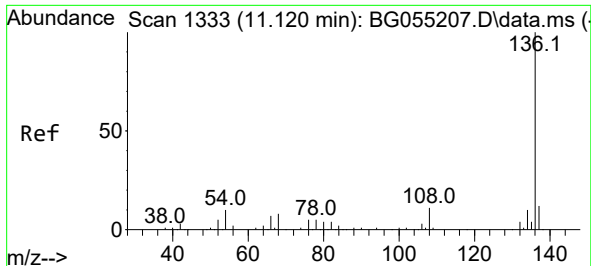
Tgt Ion: 99 Resp: 478053
Ion Ratio Lower Upper
99 100
42 20.5 16.2 24.4
71 34.4 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.928 ng
RT: 9.454 min Scan# 1049
Delta R.T. 0.361 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion: 70 Resp: 41515
Ion Ratio Lower Upper
70 100
42 47.0 50.8 76.2#
101 0.0 7.0 10.6#
130 2.0 14.5 21.7#

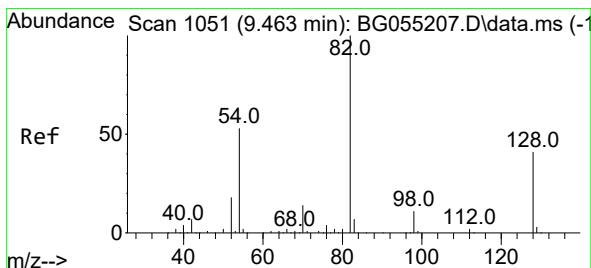
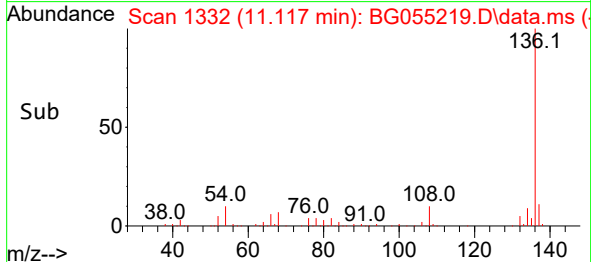
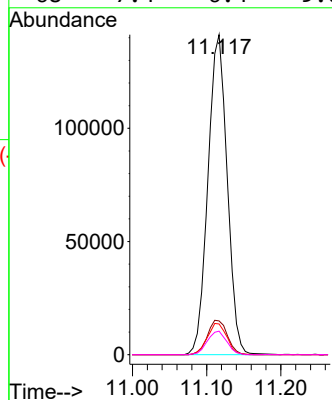
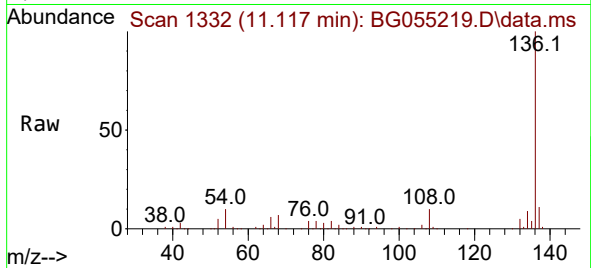




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.117 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

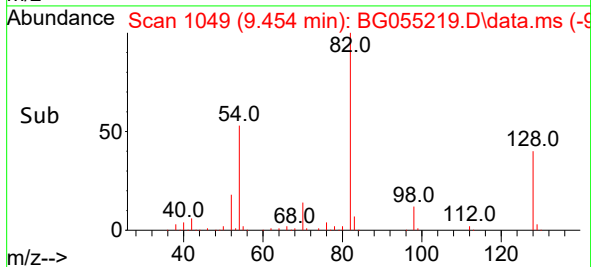
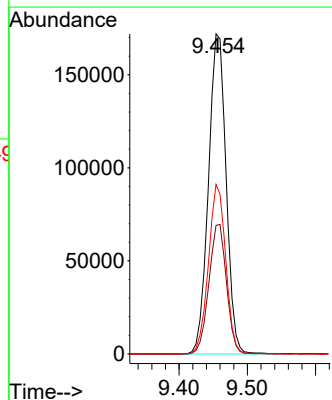
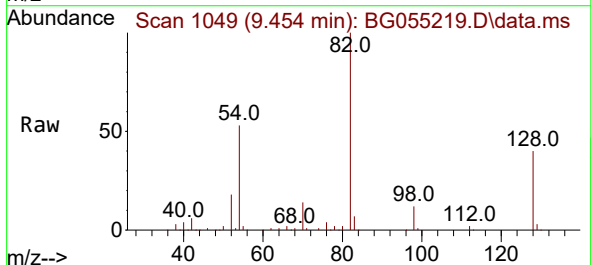
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

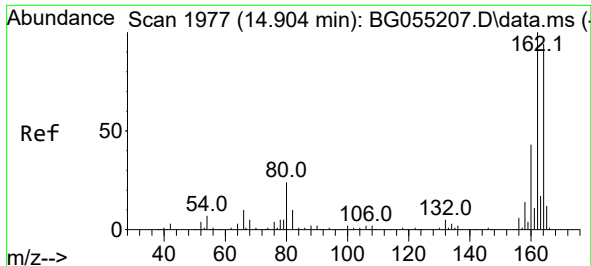
Tgt Ion:136 Resp: 254545
Ion Ratio Lower Upper
136 100
137 10.6 9.3 13.9
54 9.6 8.2 12.4
68 7.4 6.4 9.6



#23
Nitrobenzene-d5
Concen: 58.818 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion: 82 Resp: 310117
Ion Ratio Lower Upper
82 100
128 40.2 32.3 48.5
54 52.9 42.6 63.8

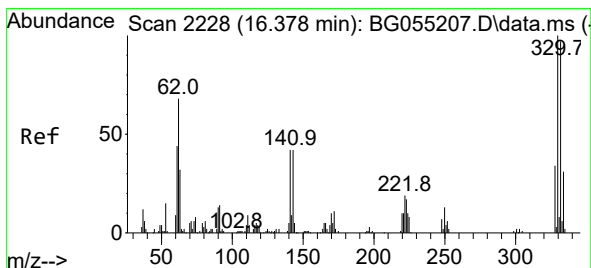
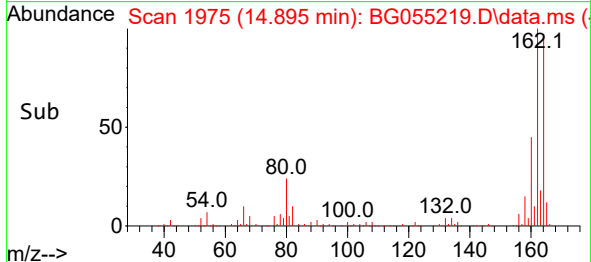
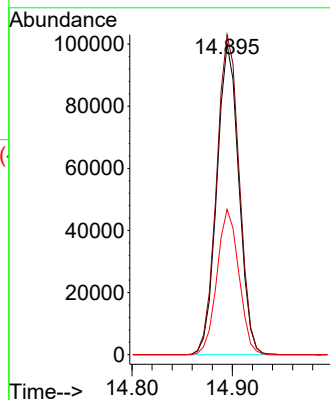
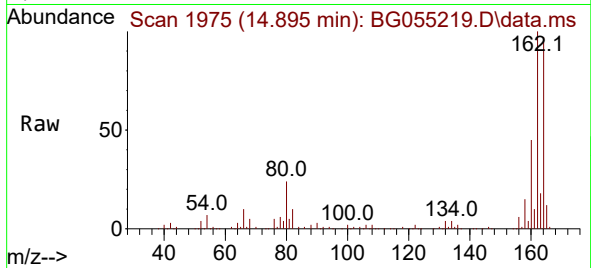




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

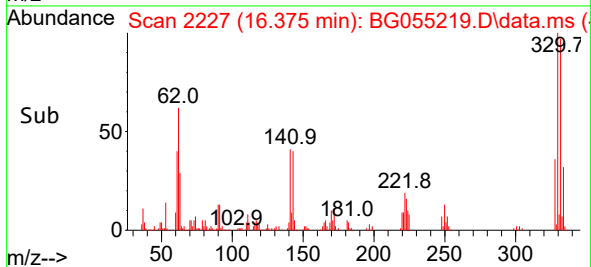
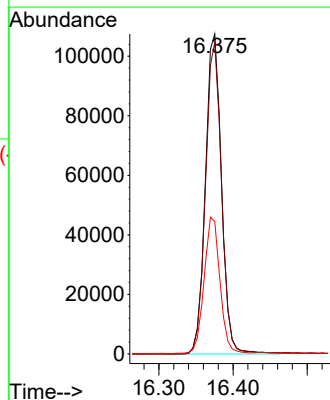
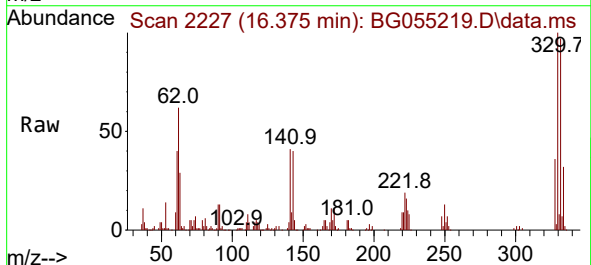
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

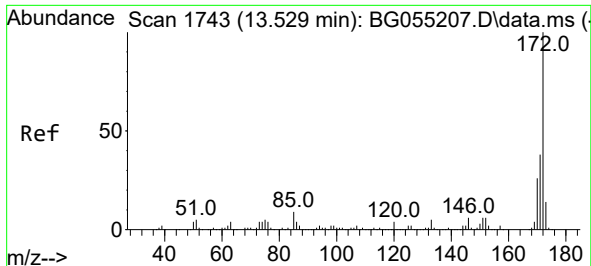
Tgt Ion:164 Resp: 151783
Ion Ratio Lower Upper
164 100
162 103.1 85.2 127.8
160 46.8 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 103.467 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:330 Resp: 162730
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 42.6 33.5 50.3

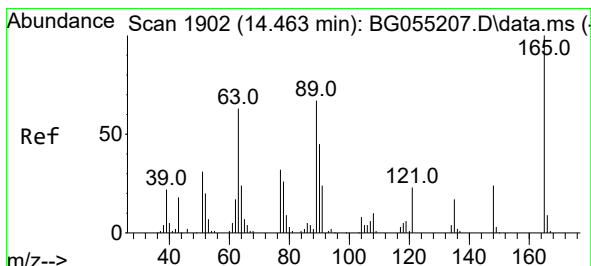
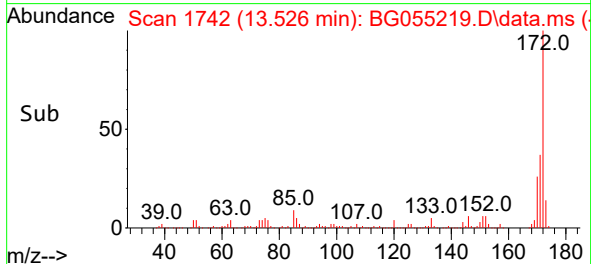
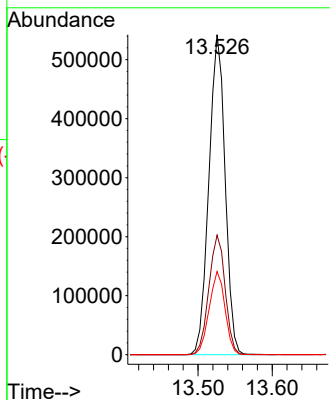
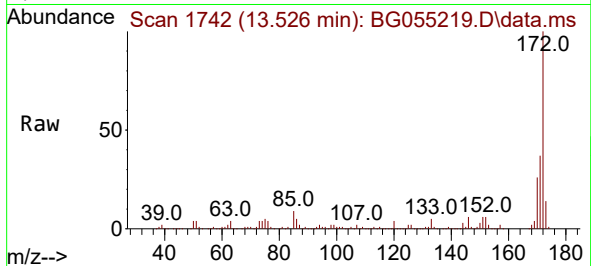




#45
2-Fluorobiphenyl
Concen: 86.616 ng
RT: 13.526 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

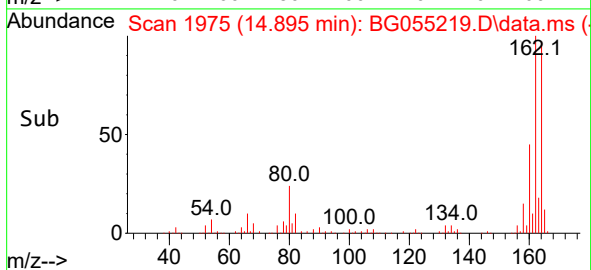
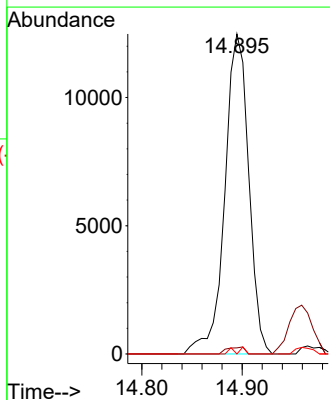
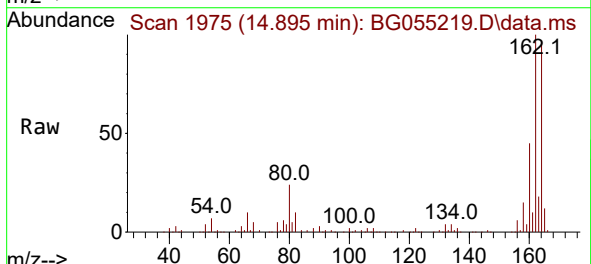
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

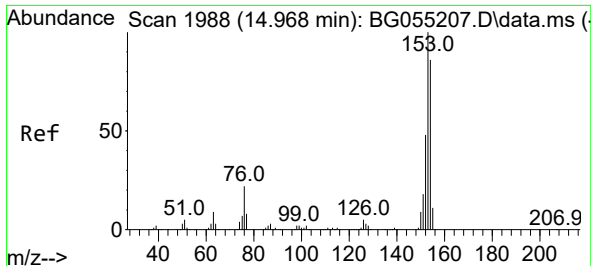
Tgt Ion:172 Resp: 823065
Ion Ratio Lower Upper
172 100
171 37.4 30.3 45.5
170 26.0 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.629 ng
RT: 14.895 min Scan# 1975
Delta R.T. 0.432 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:165 Resp: 20671
Ion Ratio Lower Upper
165 100
63 1.9 56.1 84.1#
89 0.0 53.4 80.0#

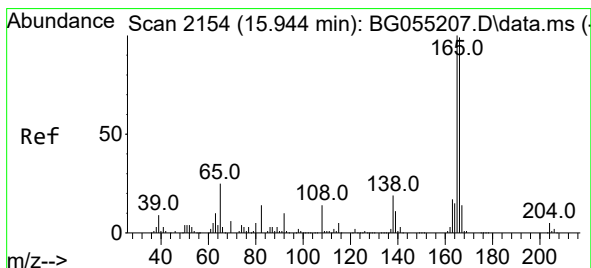
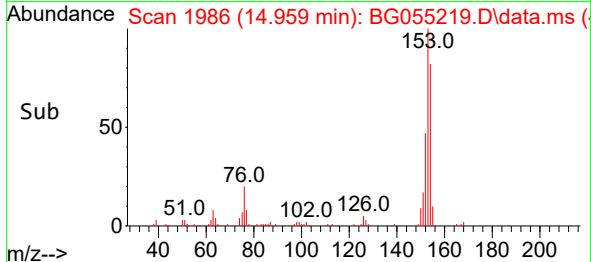
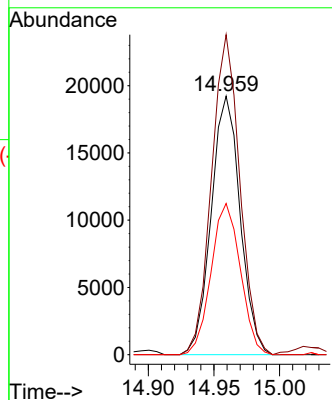
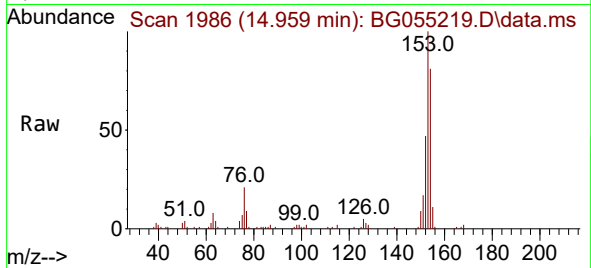




#52
Acenaphthene
Concen: 3.267 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

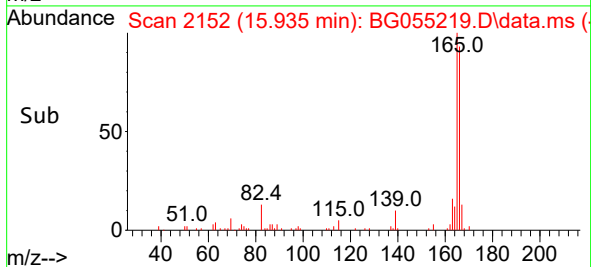
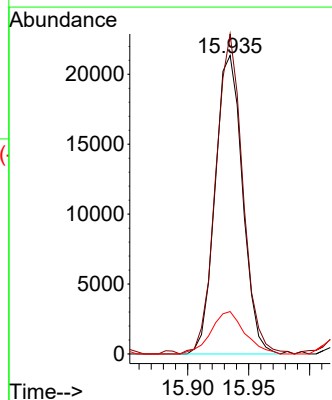
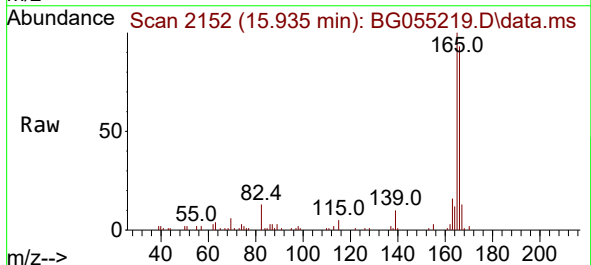
Instrument :
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ClientSampleId :
CONCRETE-1

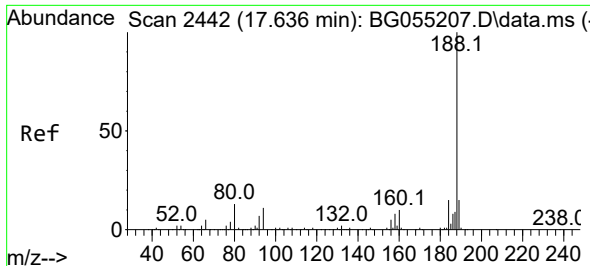
Tgt Ion:154 Resp: 29439
Ion Ratio Lower Upper
154 100
153 123.8 93.3 139.9
152 58.5 45.1 67.7



#58
Fluorene
Concen: 3.055 ng
RT: 15.935 min Scan# 2152
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:166 Resp: 33399
Ion Ratio Lower Upper
166 100
165 107.2 81.0 121.6
167 14.2 11.0 16.4

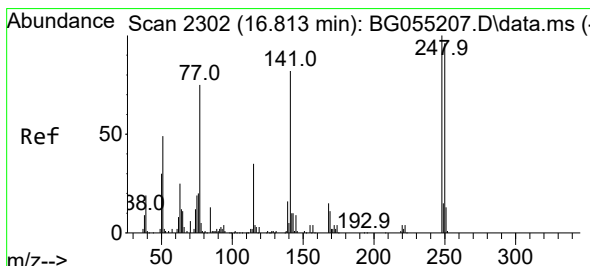
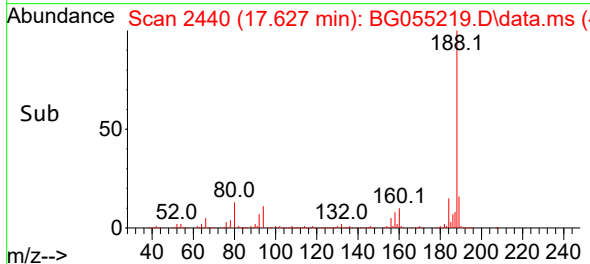
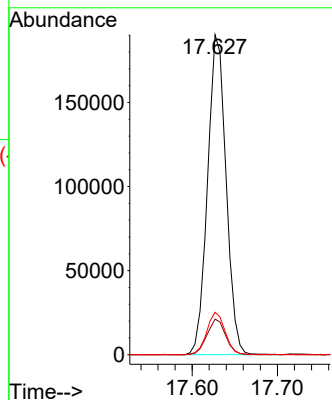
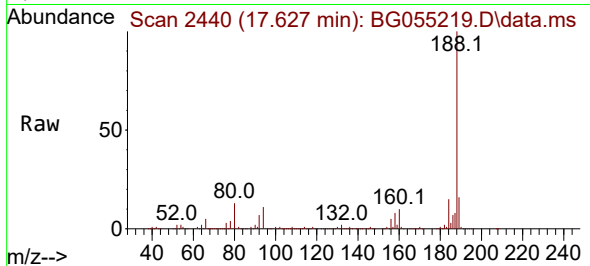




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.627 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

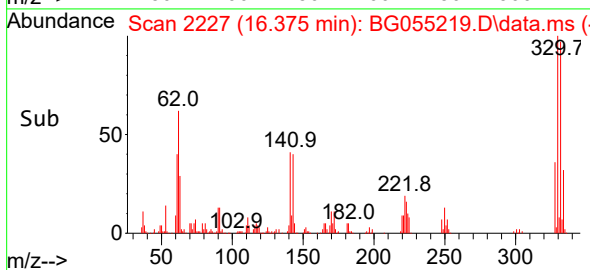
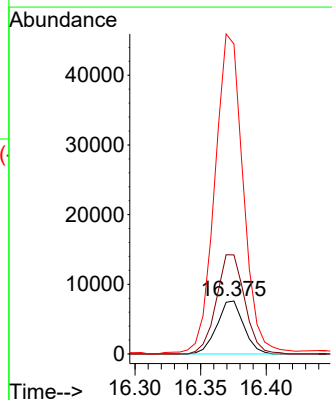
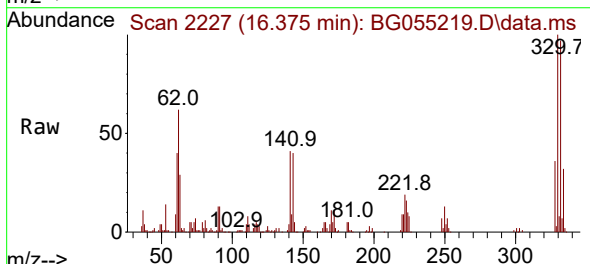
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

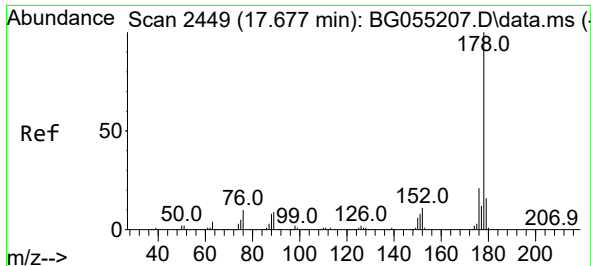
Tgt Ion:188 Resp: 287403
Ion Ratio Lower Upper
188 100
94 11.1 8.6 12.8
80 13.3 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.438 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:248 Resp: 10811
Ion Ratio Lower Upper
248 100
250 187.1 76.7 115.1#
141 585.1 65.3 97.9#

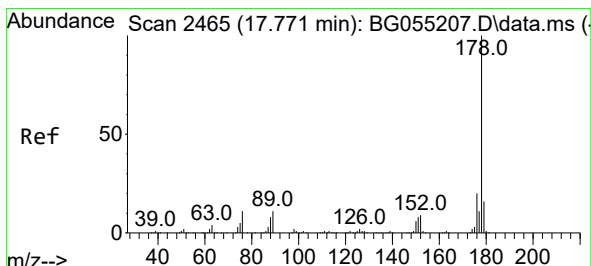
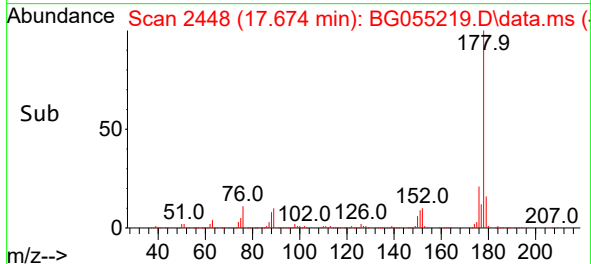
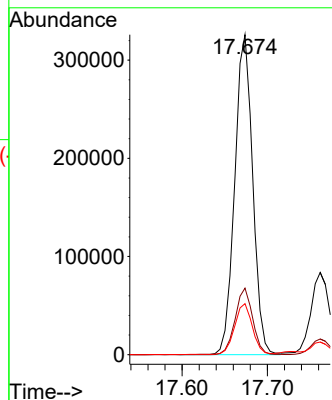
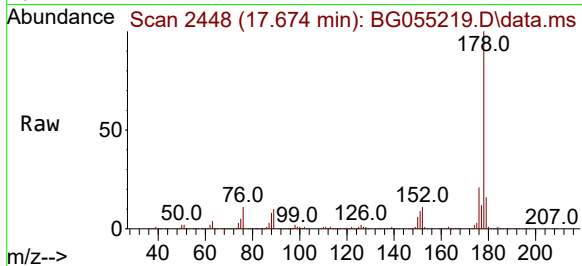




#71
Phenanthrene
Concen: 31.077 ng
RT: 17.674 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

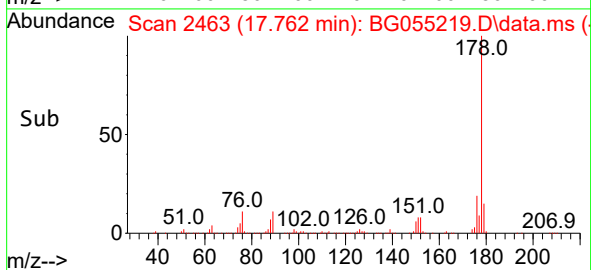
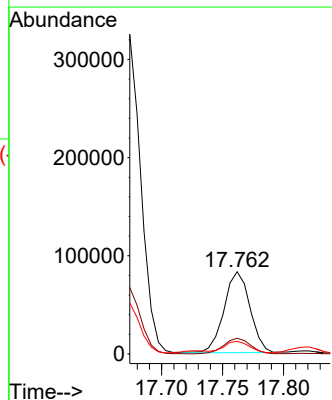
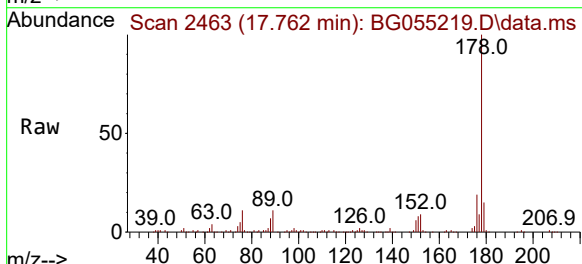
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

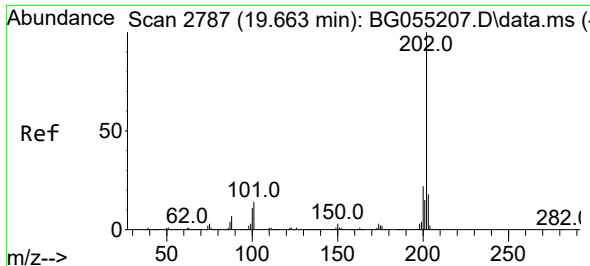
Tgt Ion:178 Resp: 476606
Ion Ratio Lower Upper
178 100
176 20.8 16.4 24.6
179 16.0 12.8 19.2



#72
Anthracene
Concen: 8.144 ng
RT: 17.762 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:178 Resp: 122053
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 15.4 13.0 19.4

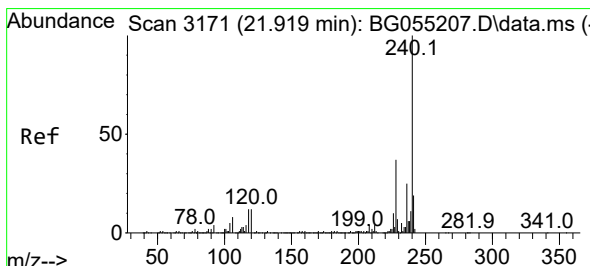
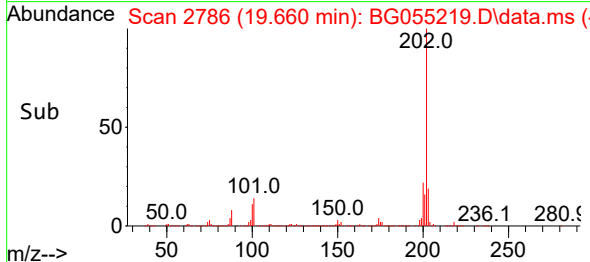
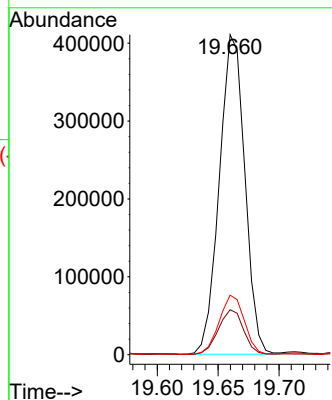
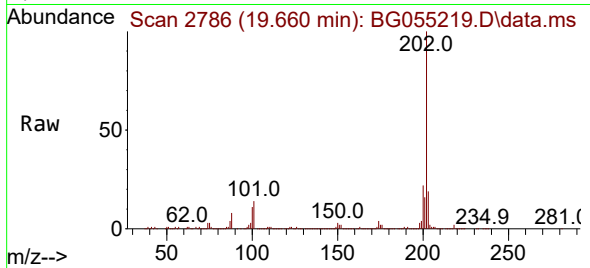




#75
Fluoranthene
Concen: 35.122 ng
RT: 19.660 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

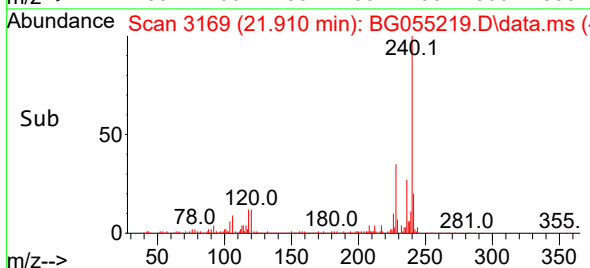
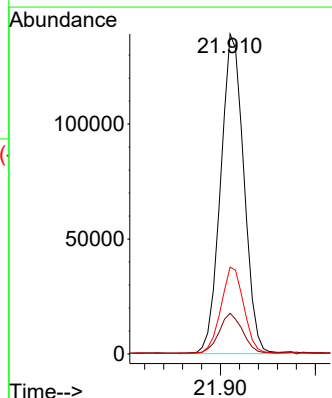
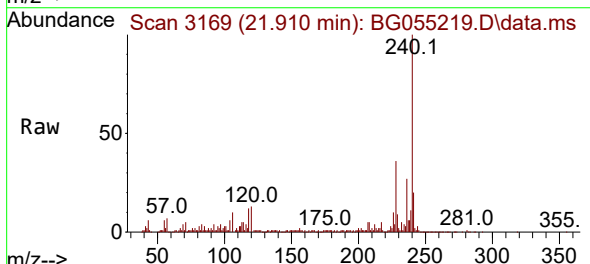
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

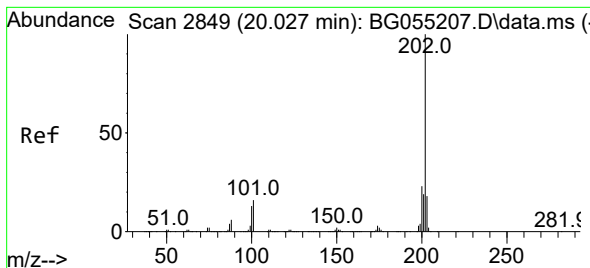
Tgt Ion:202 Resp: 596647
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.2
203 18.6 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.910 min Scan# 3169
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:240 Resp: 236169
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 27.1 20.4 30.6





#78

Pyrene

Concen: 37.283 ng

RT: 20.024 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG055219.D

Acq: 20 Oct 2022 12:56

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

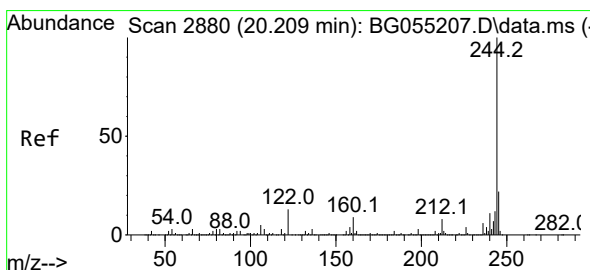
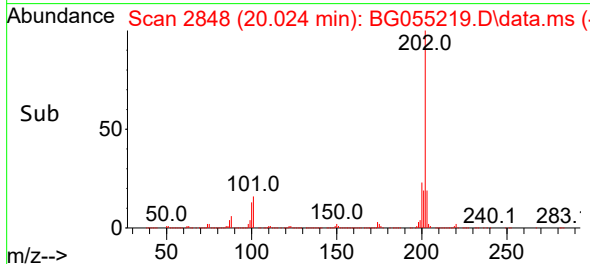
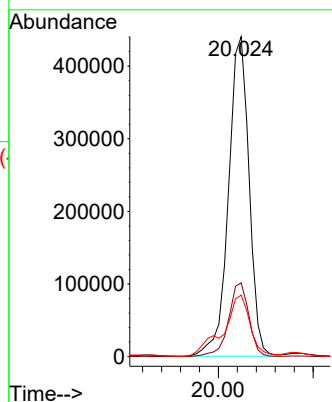
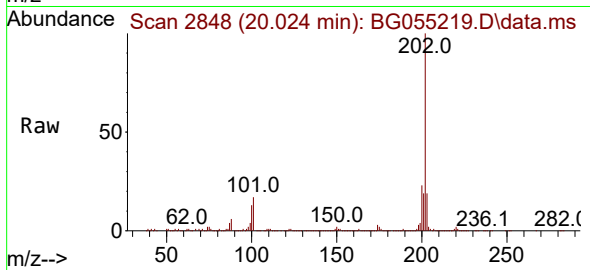
Tgt Ion:202 Resp: 663464

Ion Ratio Lower Upper

202 100

200 23.0 18.2 27.2

203 19.2 14.6 22.0



#79

Terphenyl-d14

Concen: 92.519 ng

RT: 20.206 min Scan# 2879

Delta R.T. -0.003 min

Lab File: BG055219.D

Acq: 20 Oct 2022 12:56

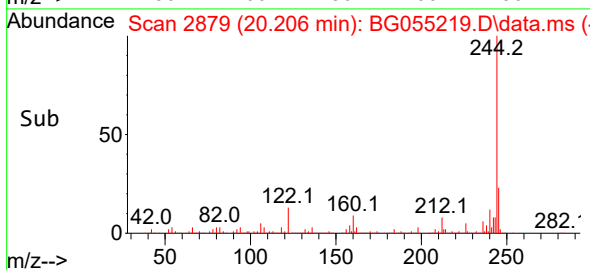
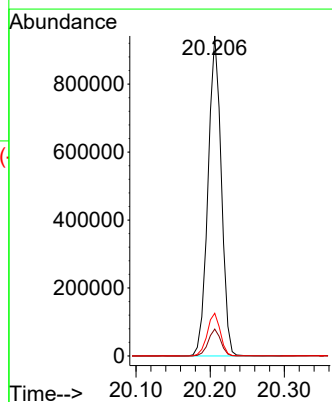
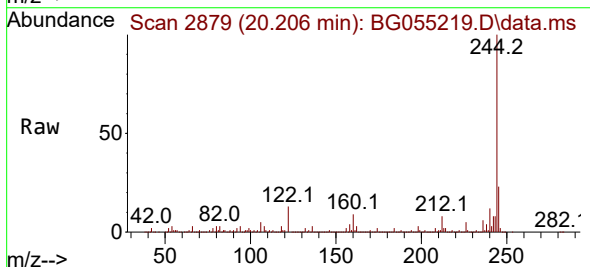
Tgt Ion:244 Resp: 1172658

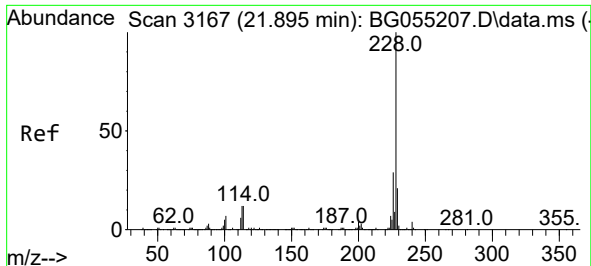
Ion Ratio Lower Upper

244 100

212 8.4 6.3 9.5

122 13.3 10.0 15.0

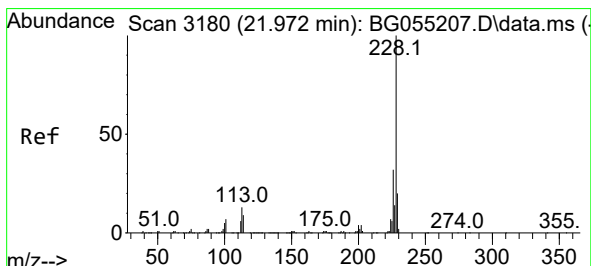
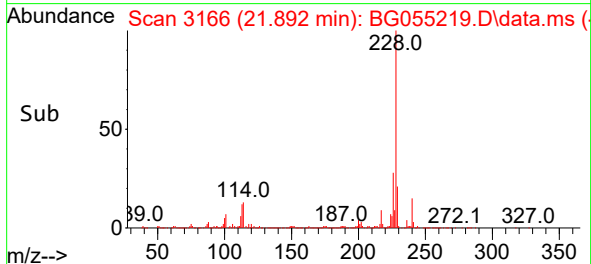
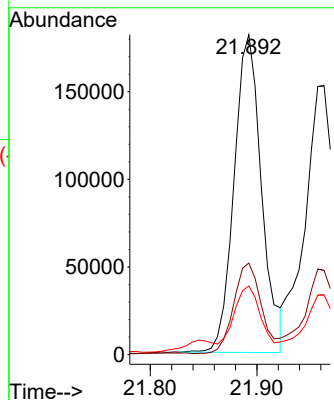
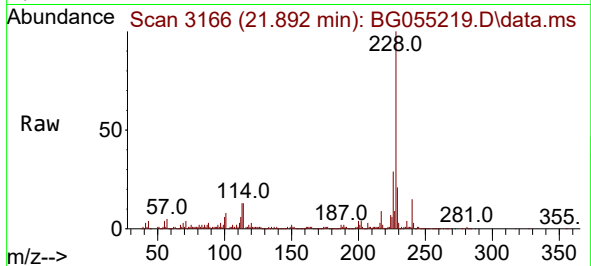




#81
Benzo(a)anthracene
Concen: 21.156 ng
RT: 21.892 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

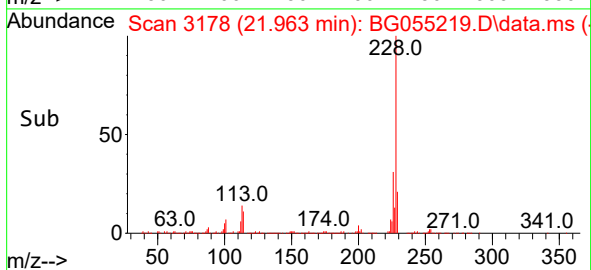
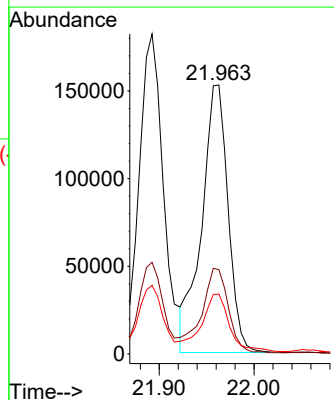
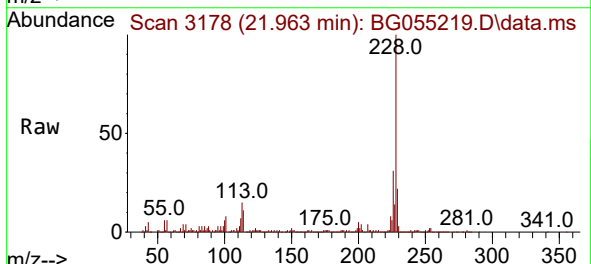
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

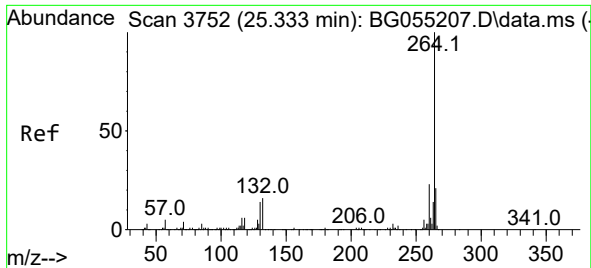
Tgt Ion:228 Resp: 324093
Ion Ratio Lower Upper
228 100
226 28.6 23.1 34.7
229 21.4 16.5 24.7



#83
Chrysene
Concen: 20.771 ng
RT: 21.963 min Scan# 3178
Delta R.T. -0.009 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:228 Resp: 296320
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.2
229 22.2 15.8 23.8

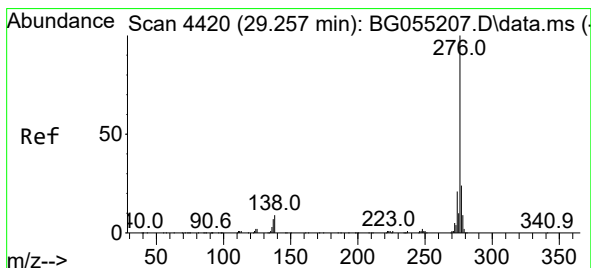
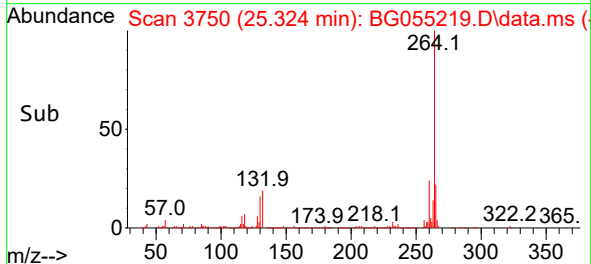
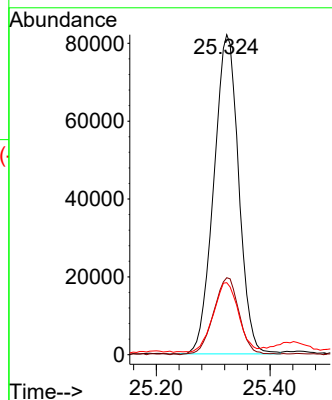
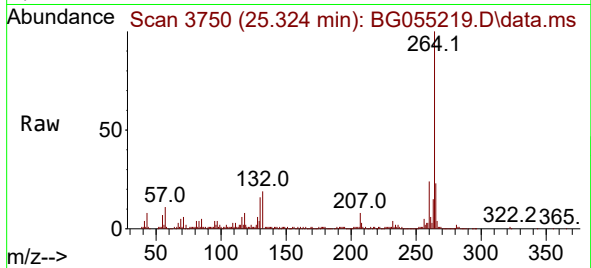




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.324 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG055219.D
 Acq: 20 Oct 2022 12:56

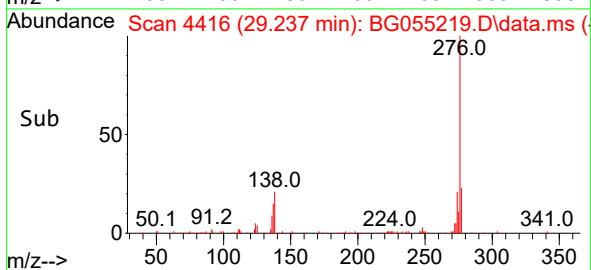
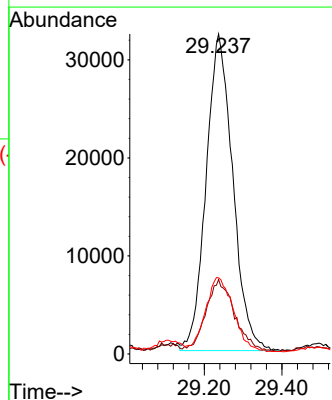
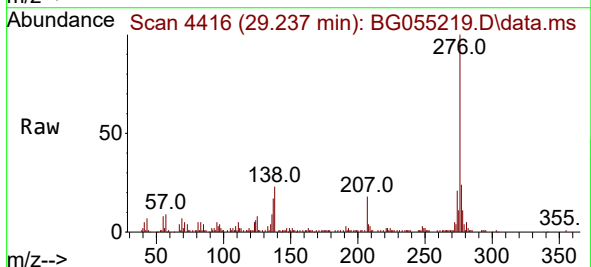
Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-1

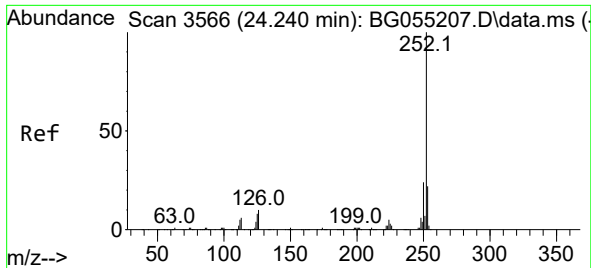
Tgt Ion:264 Resp: 248864
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 22.5 17.1 25.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.911 ng
 RT: 29.237 min Scan# 4416
 Delta R.T. -0.021 min
 Lab File: BG055219.D
 Acq: 20 Oct 2022 12:56

Tgt Ion:276 Resp: 154240
 Ion Ratio Lower Upper
 276 100
 138 24.3 9.5 14.3#
 277 24.3 20.5 30.7

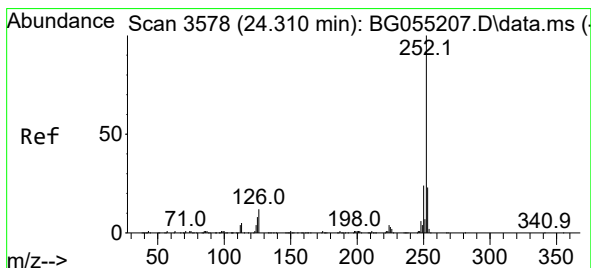
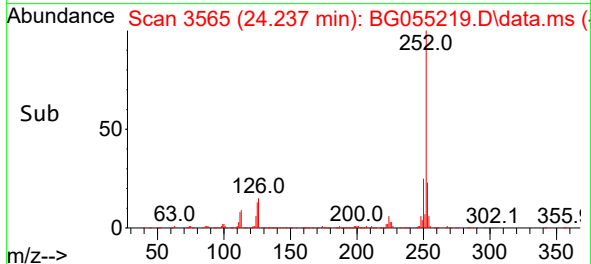
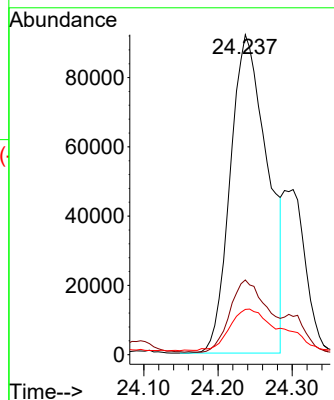
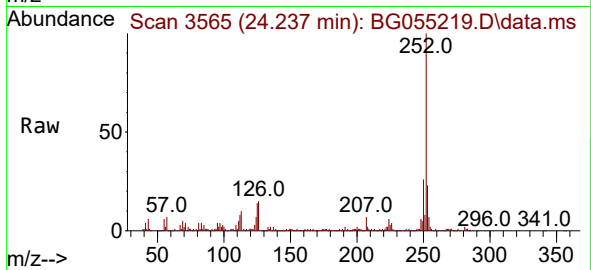




#88
Benzo(b)fluoranthene
Concen: 21.685 ng
RT: 24.237 min Scan# 3565
Delta R.T. -0.003 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

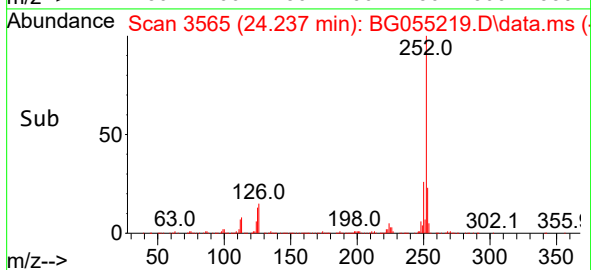
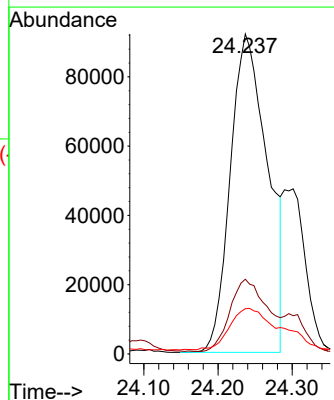
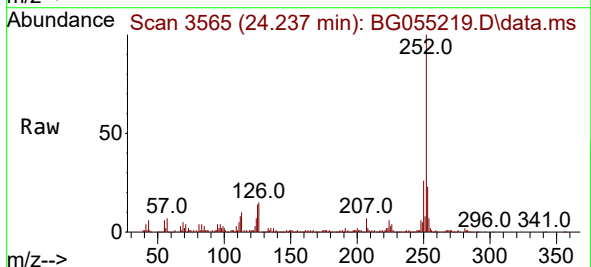
Instrument :
BNA_G
ClientSampleId :
CONCRETE-1

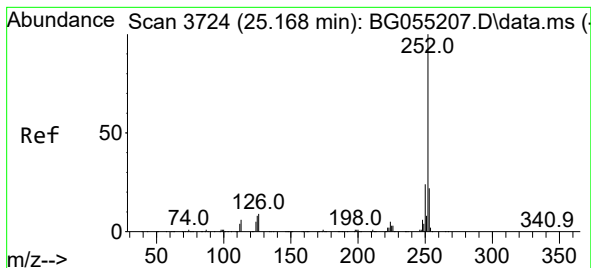
Tgt Ion:252 Resp: 320469
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 14.1 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 21.412 ng
RT: 24.237 min Scan# 3565
Delta R.T. -0.074 min
Lab File: BG055219.D
Acq: 20 Oct 2022 12:56

Tgt Ion:252 Resp: 320469
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 14.1 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 19.557 ng

RT: 25.159 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055219.D

Acq: 20 Oct 2022 12:56

Instrument :

BNA_G

ClientSampleId :

CONCRETE-1

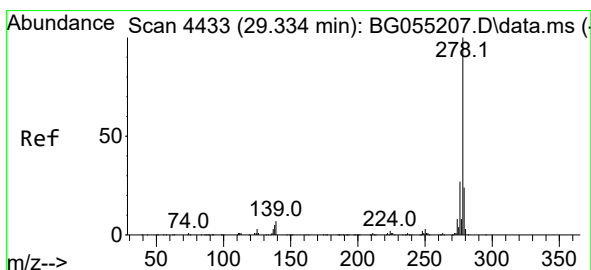
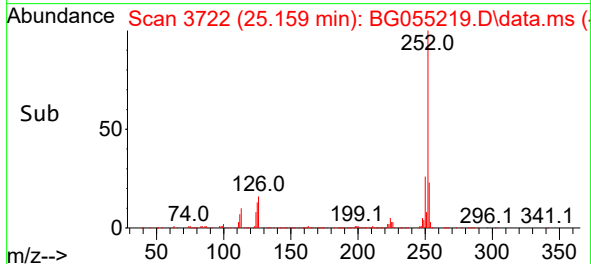
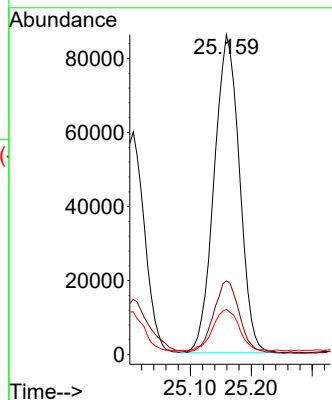
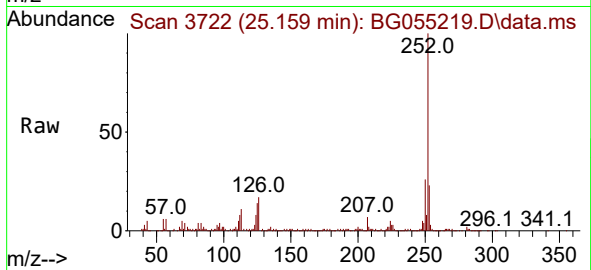
Tgt Ion:252 Resp: 248072

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 14.2 6.2 9.2#



#91

Dibenzo(a,h)anthracene

Concen: 3.107 ng

RT: 29.301 min Scan# 4427

Delta R.T. -0.032 min

Lab File: BG055219.D

Acq: 20 Oct 2022 12:56

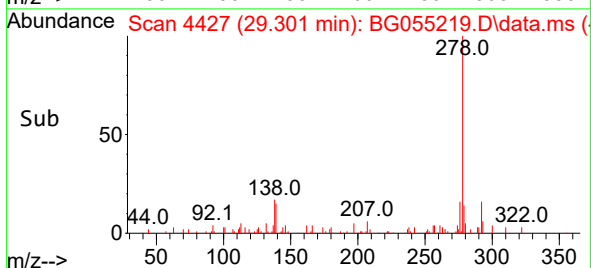
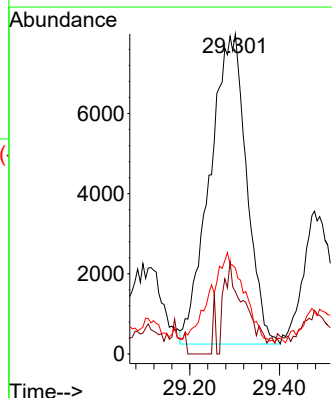
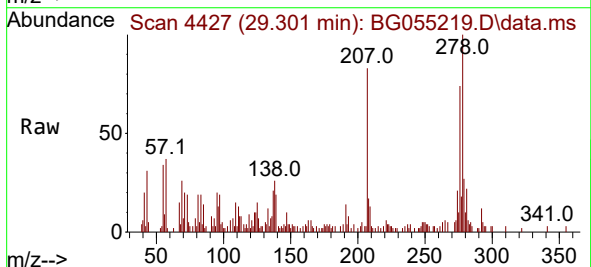
Tgt Ion:278 Resp: 44062

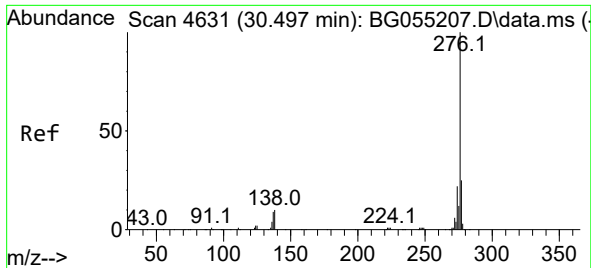
Ion Ratio Lower Upper

278 100

139 19.5 5.6 8.4#

279 26.8 19.5 29.3





#92
 Benzo(g,h,i)perylene
 Concen: 11.256 ng
 RT: 30.471 min Scan# 4626
 Delta R.T. -0.027 min
 Lab File: BG055219.D
 Acq: 20 Oct 2022 12:56

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-1

Tgt Ion:276 Resp: 154627
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.7 29.5
 138 24.1 8.0 12.0#

