

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055827.D
 Acq On : 29 Nov 2022 13:56
 Operator : CG/JU
 Sample : N5782-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Nov 30 02:04:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

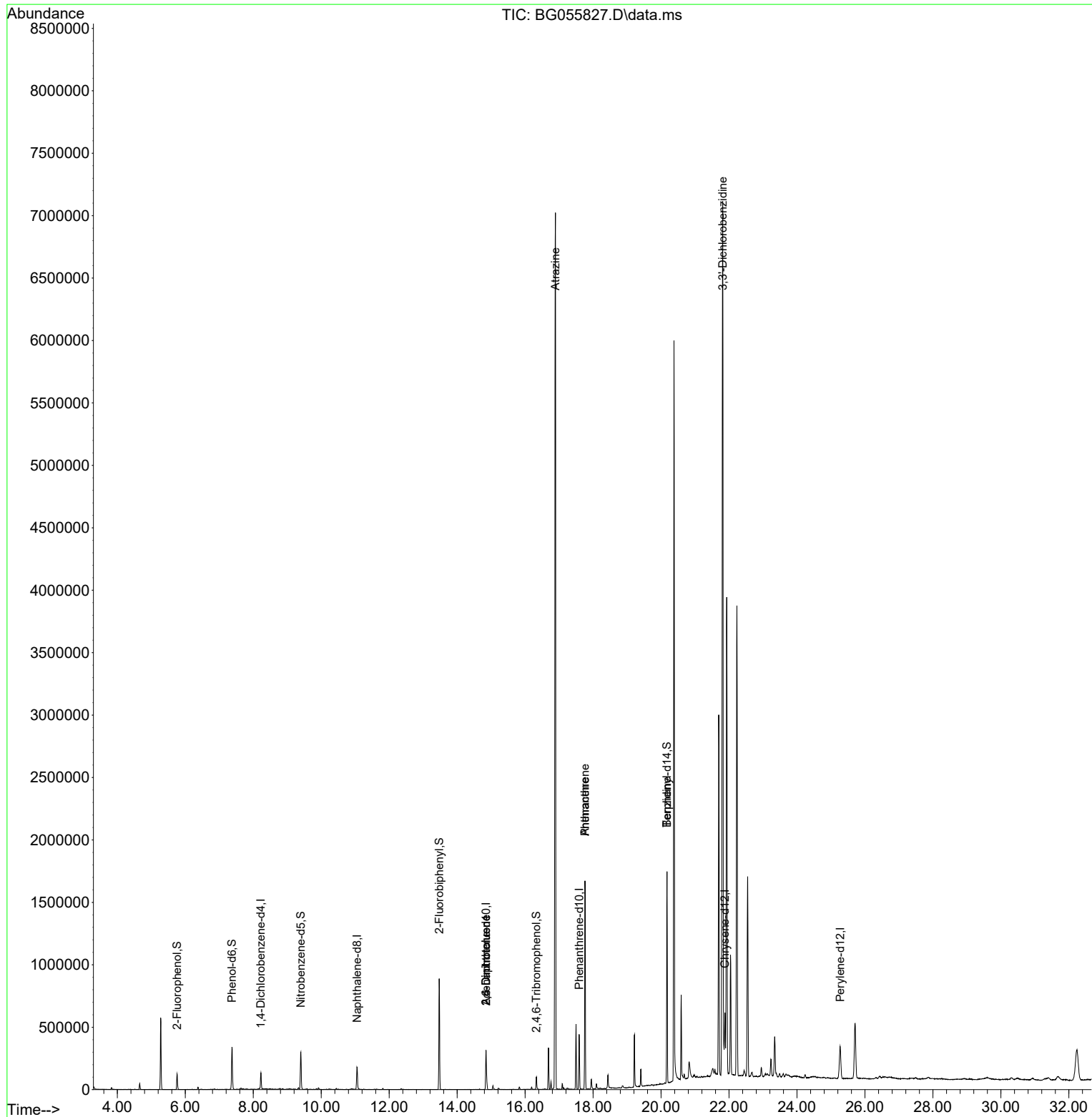
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	38358	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	158153	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	117403	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	276355	20.000	ng	0.00
76) Chrysene-d12	21.878	240	270848	20.000	ng	0.00
86) Perylene-d12	25.268	264	289823	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	55606	26.203	ng	0.00
7) Phenol-d6	7.372	99	195498	69.205	ng	0.00
23) Nitrobenzene-d5	9.399	82	178288	59.584	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	22513	13.618	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	468634	59.800	ng	0.00
79) Terphenyl-d14	20.174	244	834490	61.624	ng	0.00
Target Compounds					Qvalue	
51) 2,6-Dinitrotoluene	14.845	165	14969	7.822	ng	# 27
57) 2,4-Dinitrotoluene	14.845	165	14969	5.548	ng	# 25
69) Atrazine	16.890	200	19726	6.549	ng	# 59
71) Phenanthrene	17.759	178	37641	2.524	ng	# 24
72) Anthracene	17.759	178	37641	2.598	ng	# 24
77) Benzidine	20.174	184	13098	2.090	ng	# 92
82) 3,3'-Dichlorobenzidine	21.814	252	41402	6.316	ng	# 66

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

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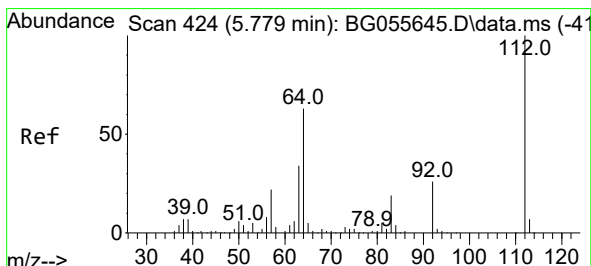
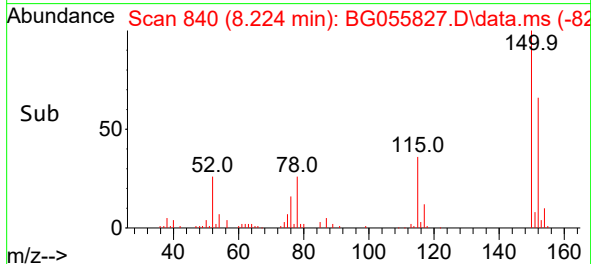
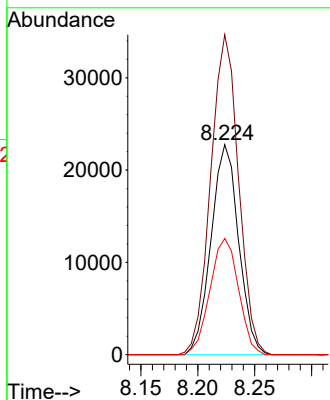
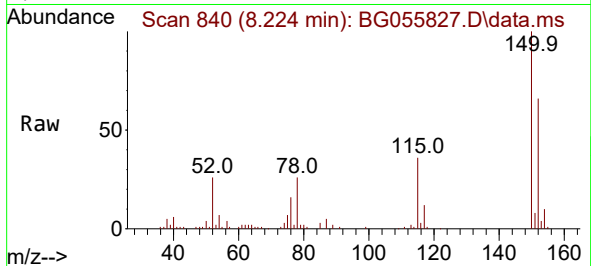




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

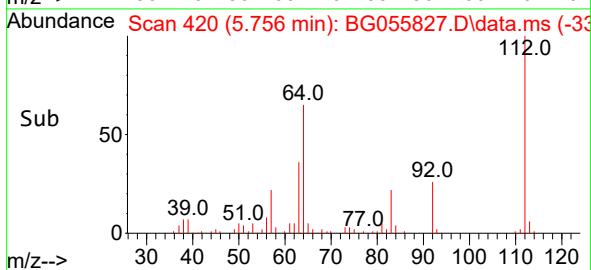
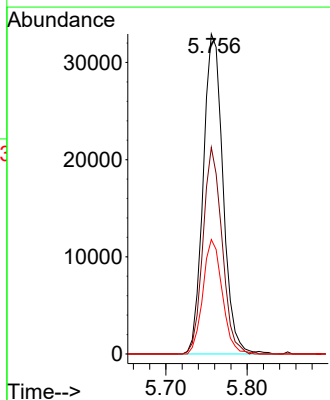
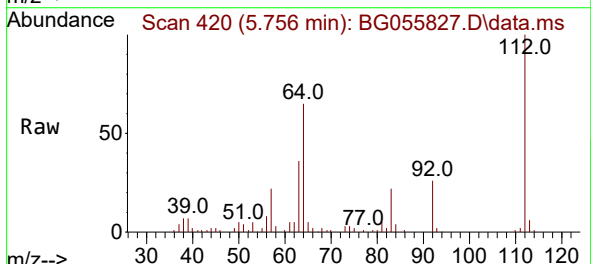
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PILE

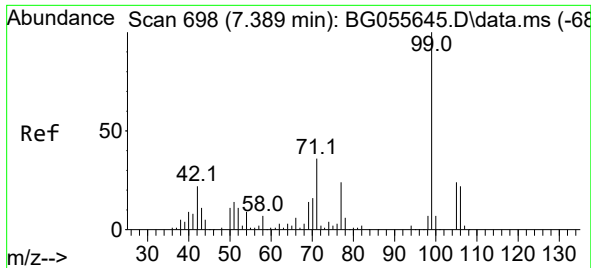
Tgt Ion:152 Resp: 38358
Ion Ratio Lower Upper
152 100
150 152.3 123.0 184.6
115 55.3 47.0 70.4



#5
2-Fluorophenol
Concen: 26.203 ng
RT: 5.756 min Scan# 420
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

Tgt Ion:112 Resp: 55606
Ion Ratio Lower Upper
112 100
64 64.5 50.6 76.0
63 35.8 27.5 41.3

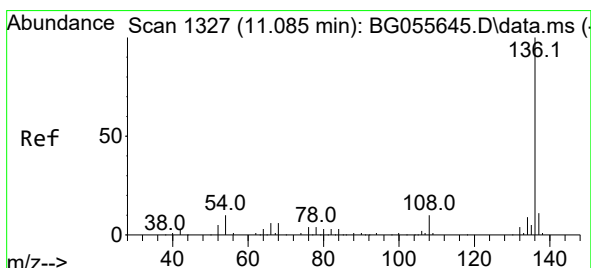
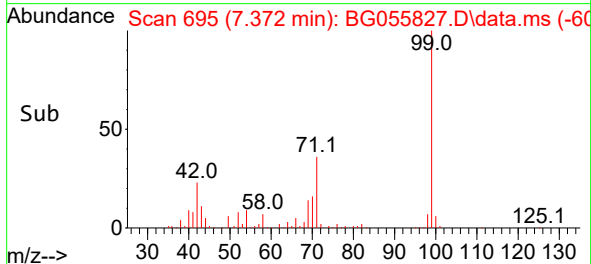
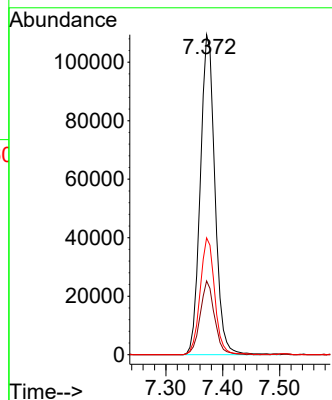
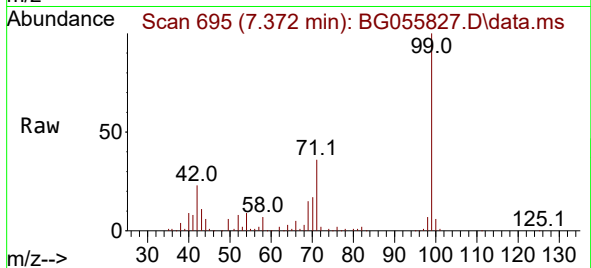




#7
Phenol-d6
Concen: 69.205 ng
RT: 7.372 min Scan# 698
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

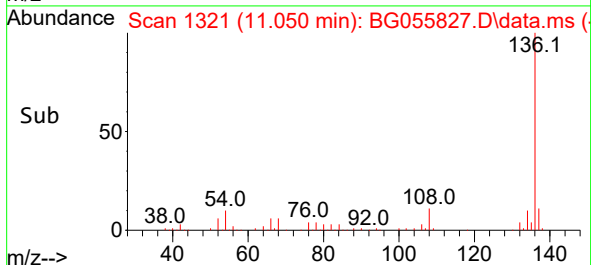
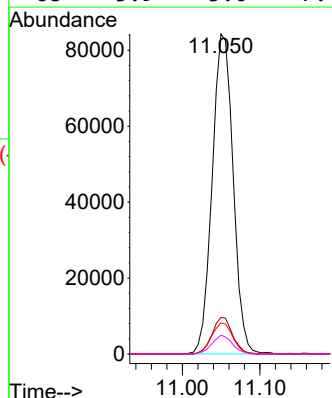
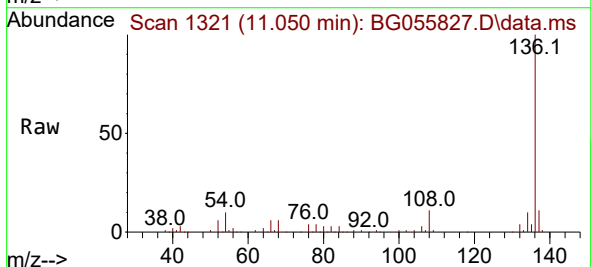
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PILE

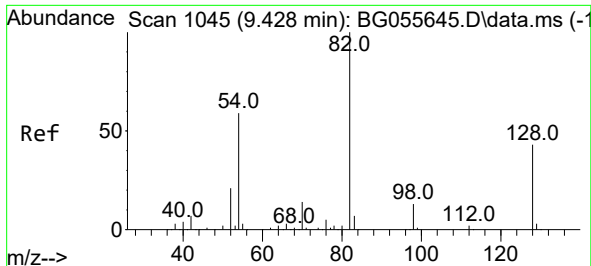
Tgt Ion: 99 Resp: 195498
Ion Ratio Lower Upper
99 100
42 23.1 18.0 27.0
71 36.5 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

Tgt Ion: 136 Resp: 158153
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.7 7.8 11.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 59.584 ng

RT: 9.399 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

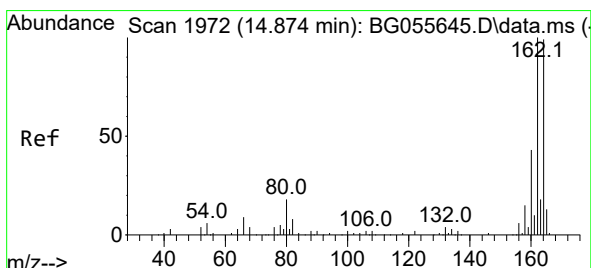
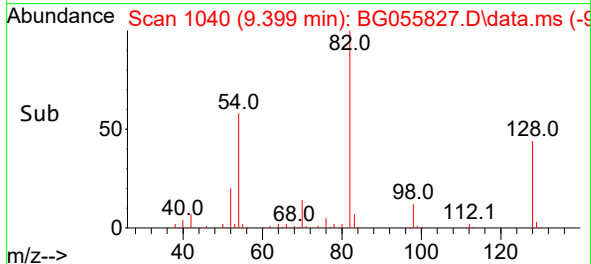
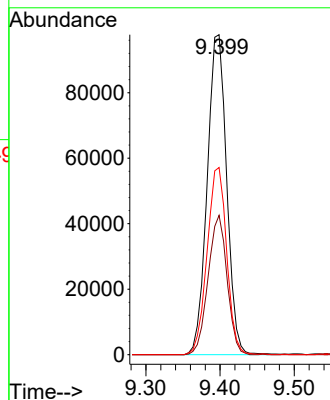
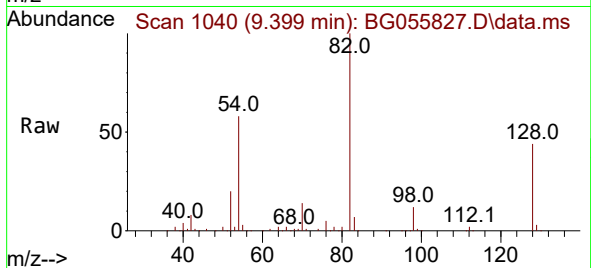
Tgt Ion: 82 Resp: 178288

Ion Ratio Lower Upper

82 100

128 43.5 34.1 51.1

54 58.5 47.3 70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.008 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

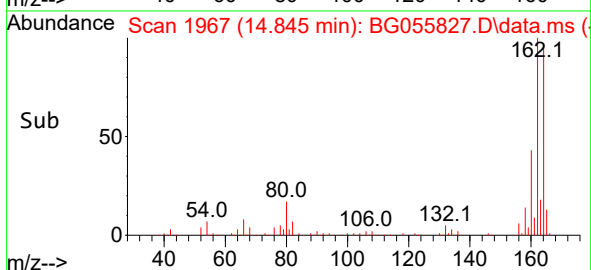
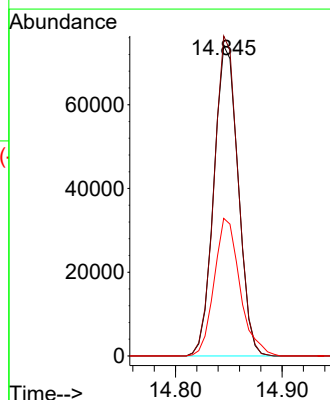
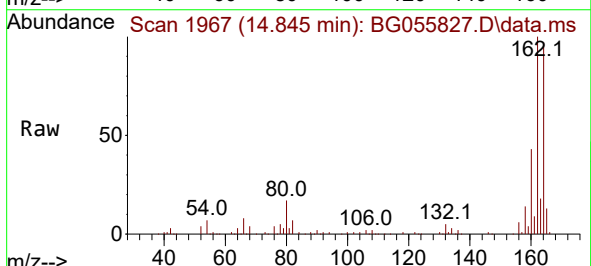
Tgt Ion:164 Resp: 117403

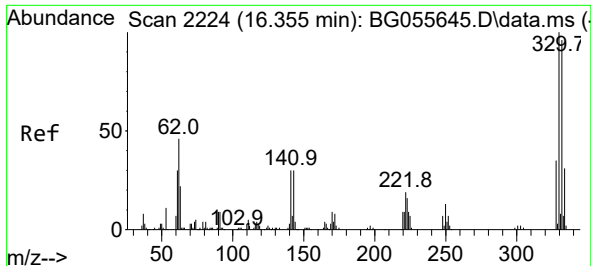
Ion Ratio Lower Upper

164 100

162 103.1 81.1 121.7

160 44.3 34.8 52.2

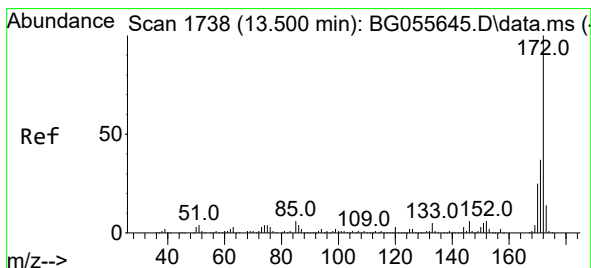
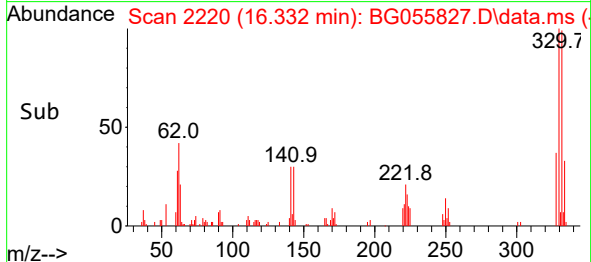
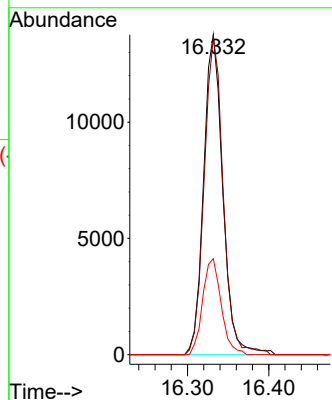
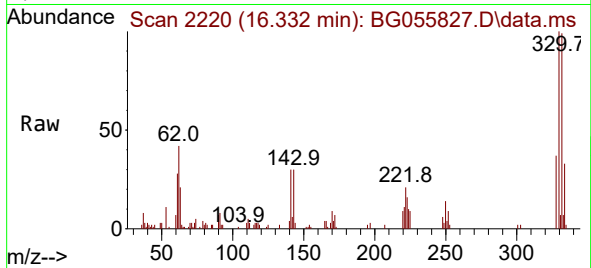




#42
2,4,6-Tribromophenol
Concen: 13.618 ng
RT: 16.332 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

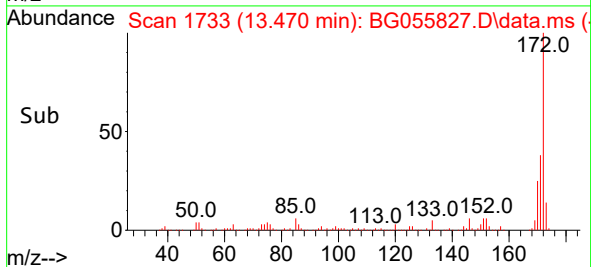
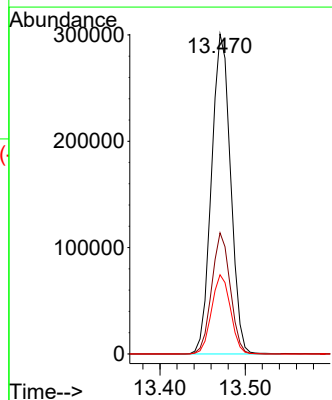
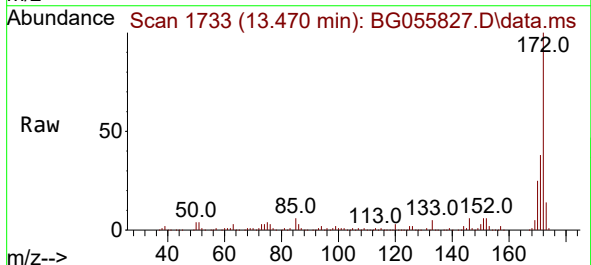
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PILE

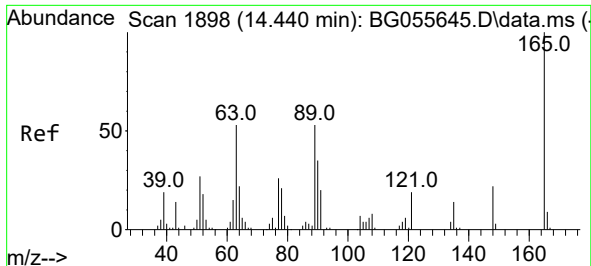
Tgt Ion:330 Resp: 22513
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.8
141 29.0 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 59.800 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

Tgt Ion:172 Resp: 468634
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 24.7 20.2 30.4

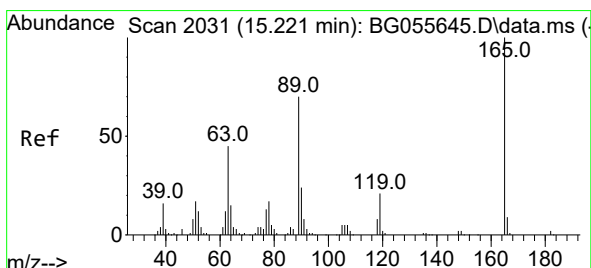
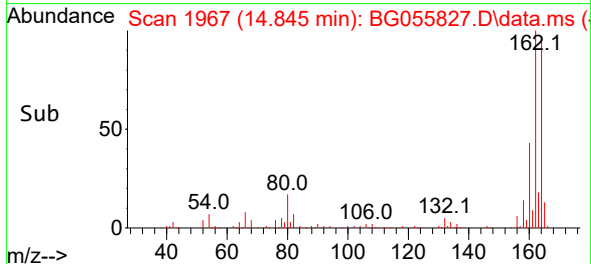
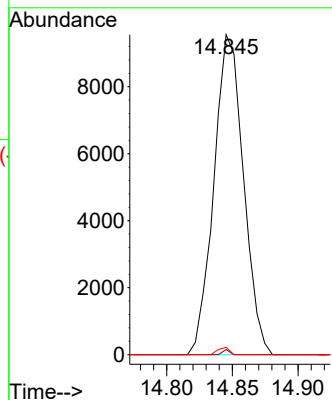
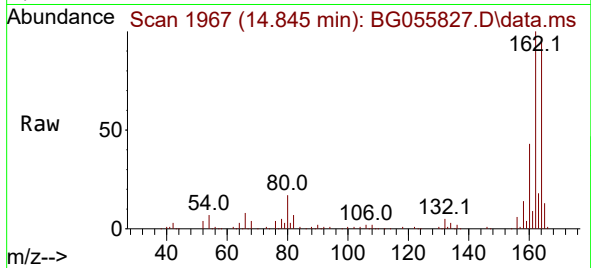




#51
2,6-Dinitrotoluene
Concen: 7.822 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.427 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

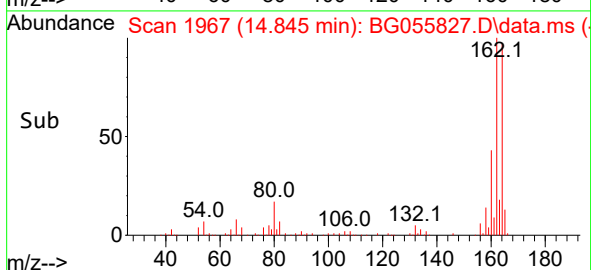
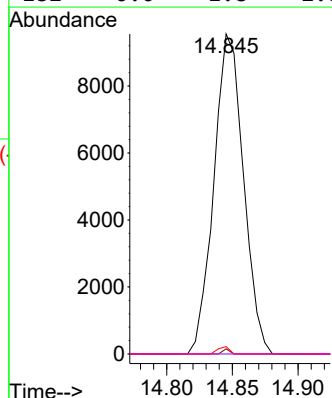
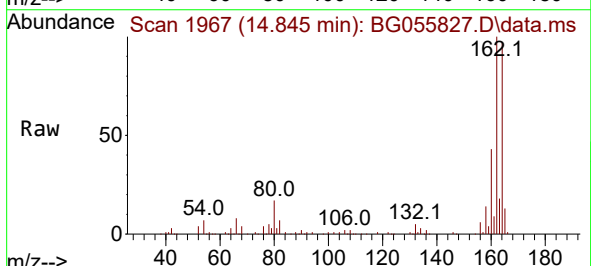
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PILE

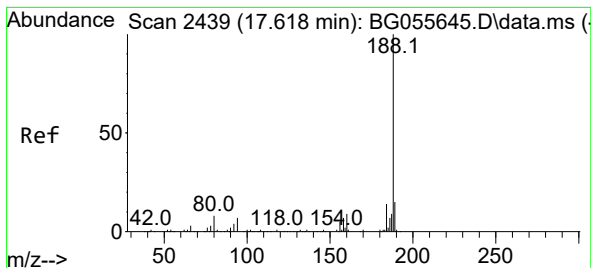
Tgt Ion:165 Resp: 14969
Ion Ratio Lower Upper
165 100
63 1.6 44.6 66.8#
89 2.3 42.2 63.4#



#57
2,4-Dinitrotoluene
Concen: 5.548 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.361 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

Tgt Ion:165 Resp: 14969
Ion Ratio Lower Upper
165 100
63 1.6 35.8 53.8#
89 2.3 56.2 84.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.589 min Scan# 2434

Delta R.T. -0.002 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

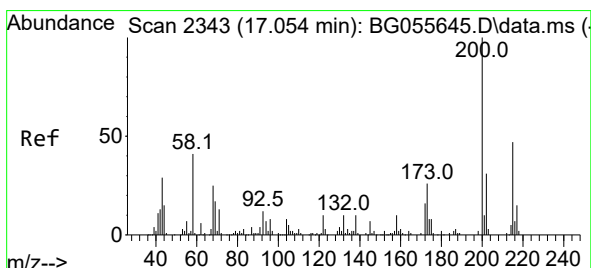
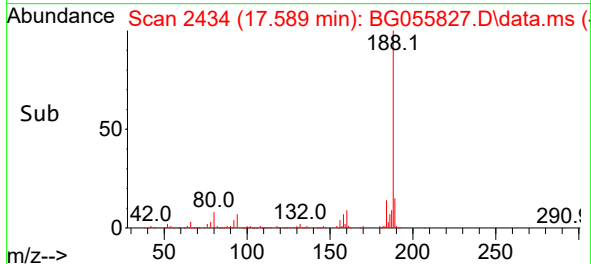
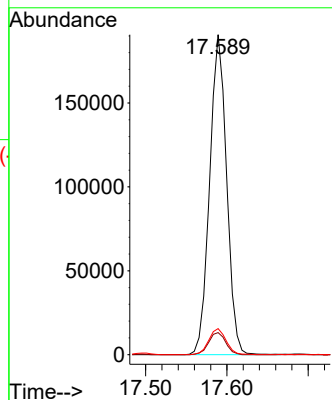
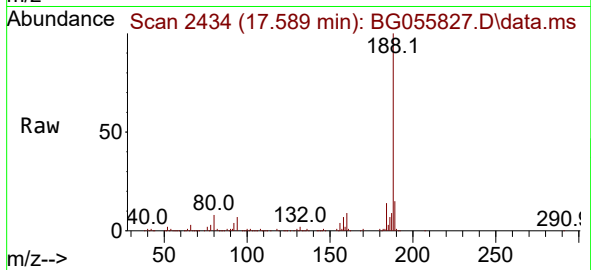
Tgt Ion:188 Resp: 276355

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

80 8.1 6.6 10.0



#69

Atrazine

Concen: 6.549 ng

RT: 16.890 min Scan# 2315

Delta R.T. -0.137 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

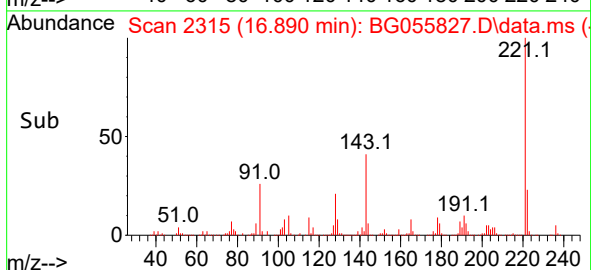
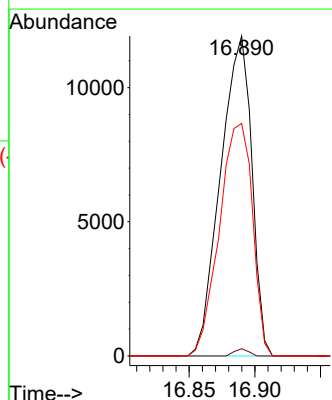
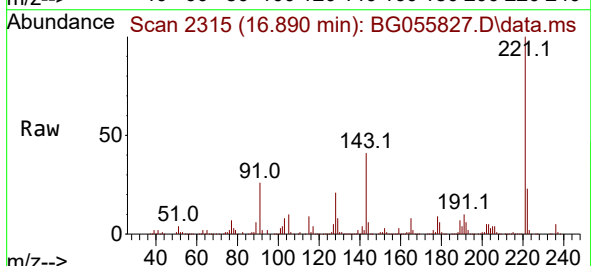
Tgt Ion:200 Resp: 19726

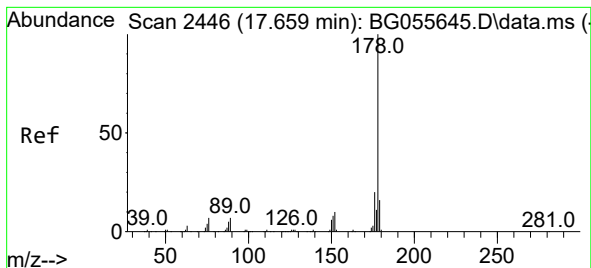
Ion Ratio Lower Upper

200 100

173 2.2 5.6 45.6#

215 72.7 27.2 67.2#





#71

Phenanthrene

Concen: 2.524 ng

RT: 17.759 min Scan# 2463

Delta R.T. 0.127 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

Instrument :

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ClientSampleId :

CONCRETE-PILE

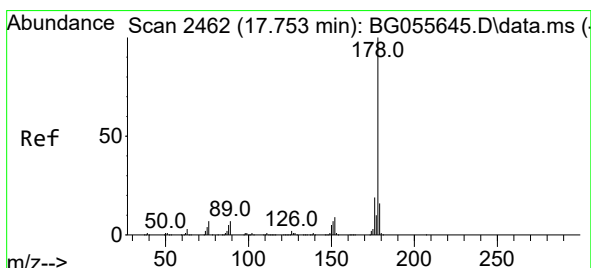
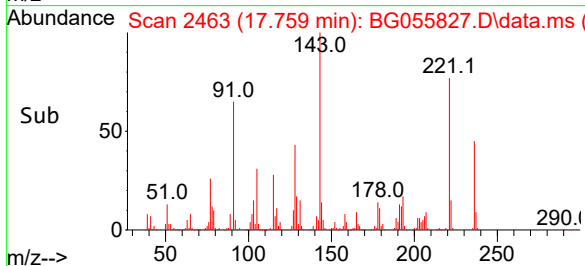
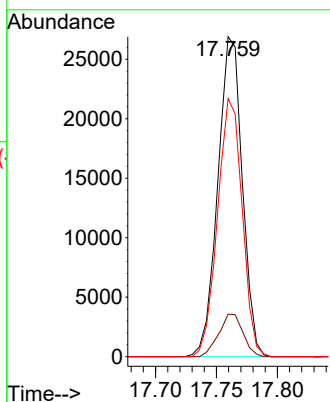
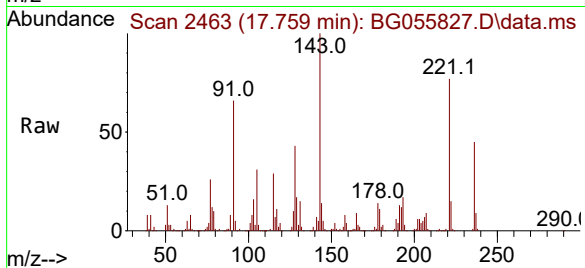
Tgt Ion:178 Resp: 37641

Ion Ratio Lower Upper

178 100

176 13.3 16.0 24.0#

179 80.7 12.7 19.1#



#72

Anthracene

Concen: 2.598 ng

RT: 17.759 min Scan# 2463

Delta R.T. 0.033 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

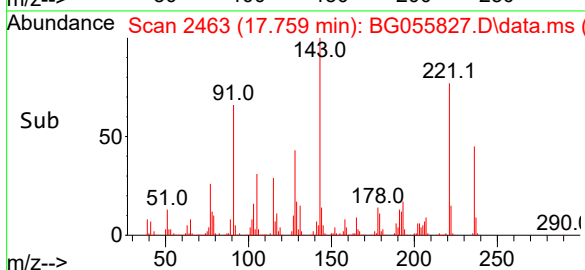
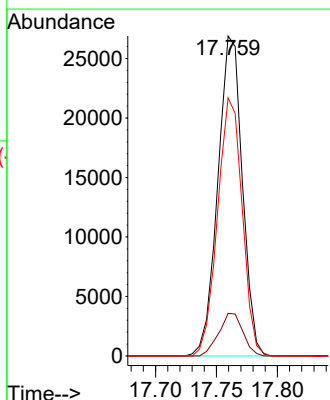
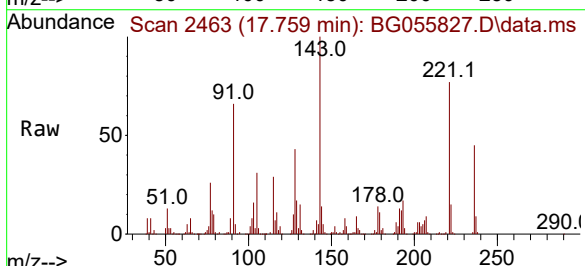
Tgt Ion:178 Resp: 37641

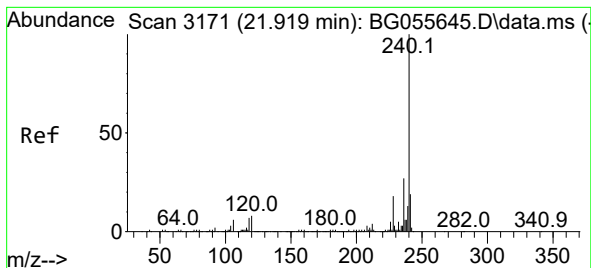
Ion Ratio Lower Upper

178 100

176 13.3 15.5 23.3#

179 80.7 12.5 18.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.878 min Scan# 3171

Delta R.T. -0.002 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

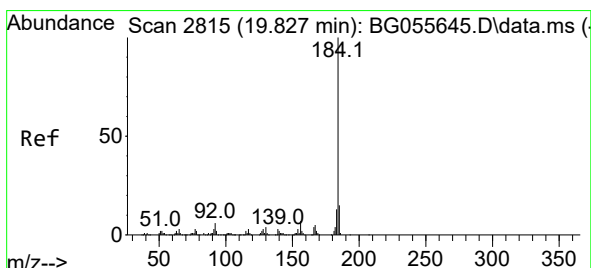
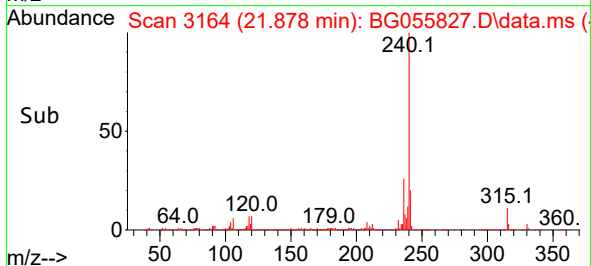
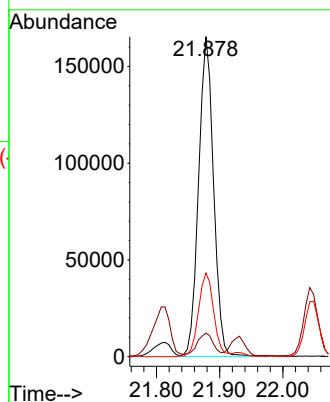
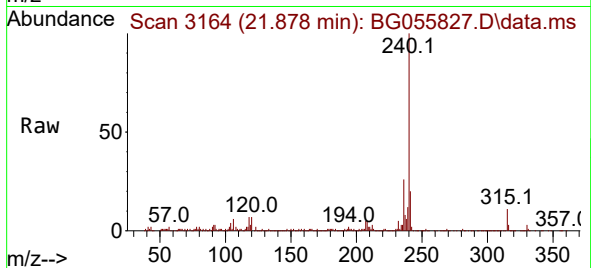
Tgt Ion:240 Resp: 270848

Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 26.2 21.9 32.9



#77

Benzidine

Concen: 2.090 ng

RT: 20.174 min Scan# 2874

Delta R.T. 0.374 min

Lab File: BG055827.D

Acq: 29 Nov 2022 13:56

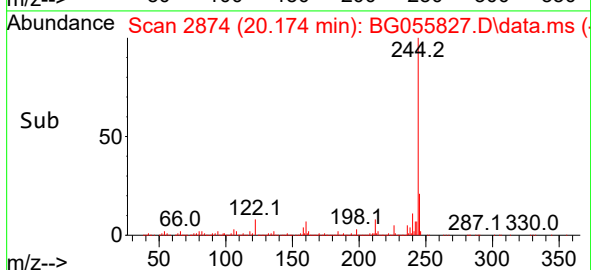
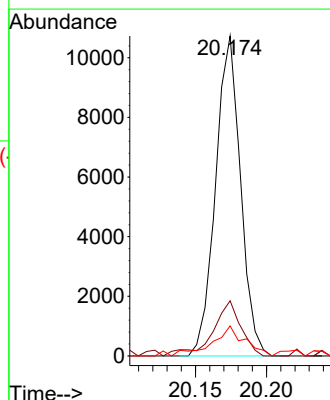
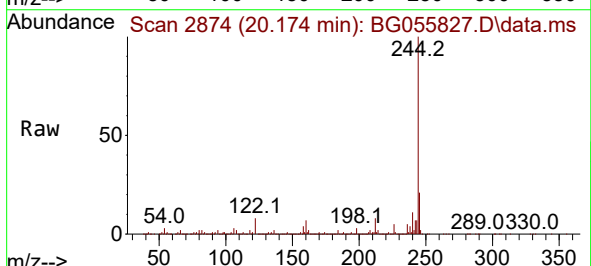
Tgt Ion:184 Resp: 13098

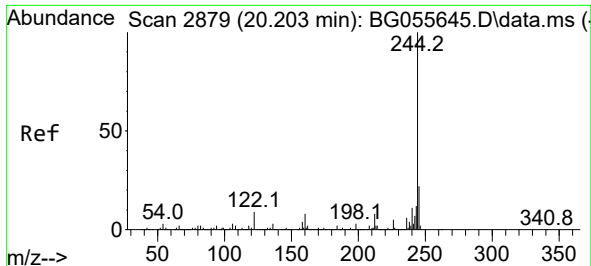
Ion Ratio Lower Upper

184 100

185 17.3 11.8 17.8

183 9.4 10.6 15.8#

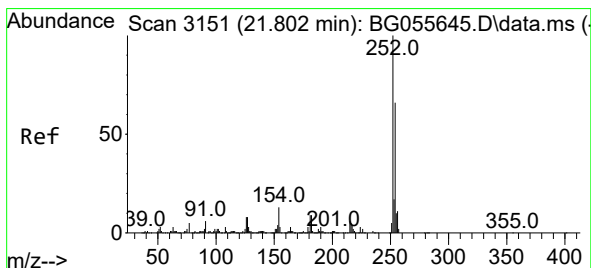
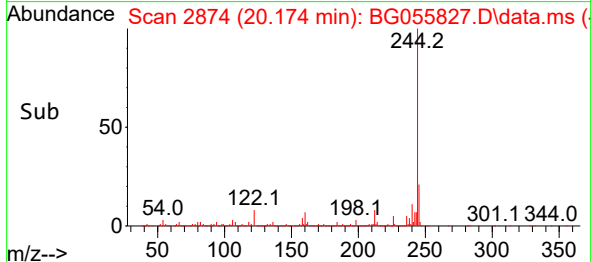
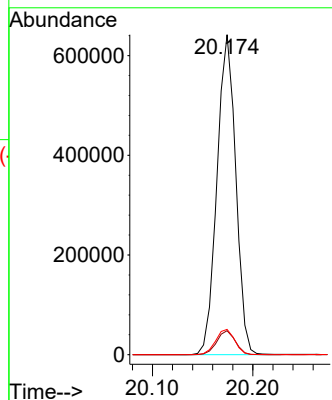
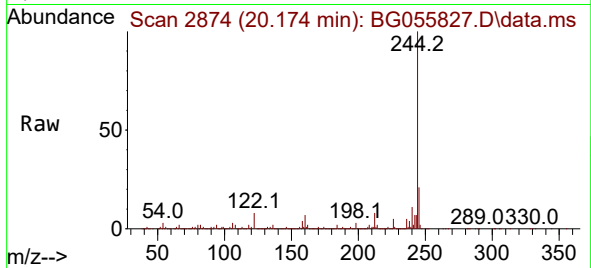




#79
 Terphenyl-d14
 Concen: 61.624 ng
 RT: 20.174 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055827.D
 Acq: 29 Nov 2022 13:56

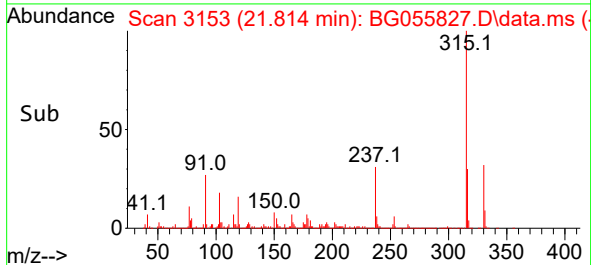
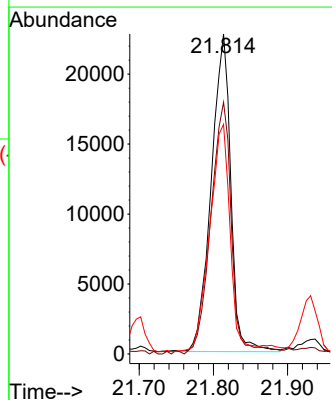
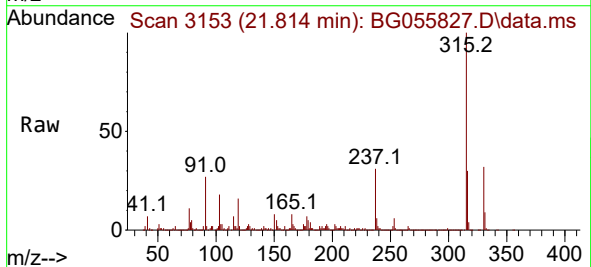
Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

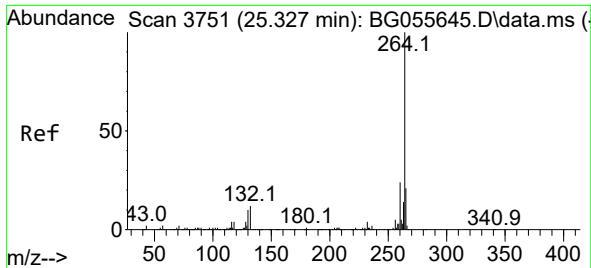
Tgt Ion:244 Resp: 834490
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 7.9 6.9 10.3



#82
 3,3'-Dichlorobenzidine
 Concen: 6.316 ng
 RT: 21.814 min Scan# 3153
 Delta R.T. 0.051 min
 Lab File: BG055827.D
 Acq: 29 Nov 2022 13:56

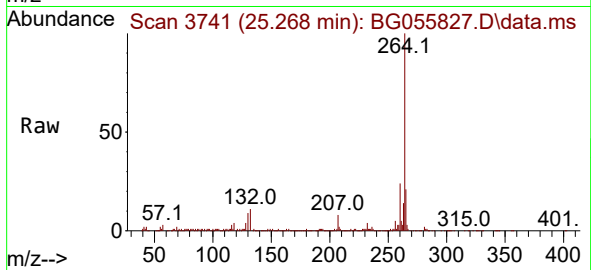
Tgt Ion:252 Resp: 41402
 Ion Ratio Lower Upper
 252 100
 254 78.7 53.0 79.6
 126 71.7 6.7 10.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.268 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG055827.D
Acq: 29 Nov 2022 13:56

Instrument :
BNA_G
ClientSampleId :
CONCRETE-PILE



Tgt Ion:264 Resp: 289823

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	20.8	17.1	25.7

