

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057566.D
 Acq On : 25 May 2023 20:35
 Operator : CG/JU
 Sample : 02925-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-052423

Quant Time: May 26 03:01:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

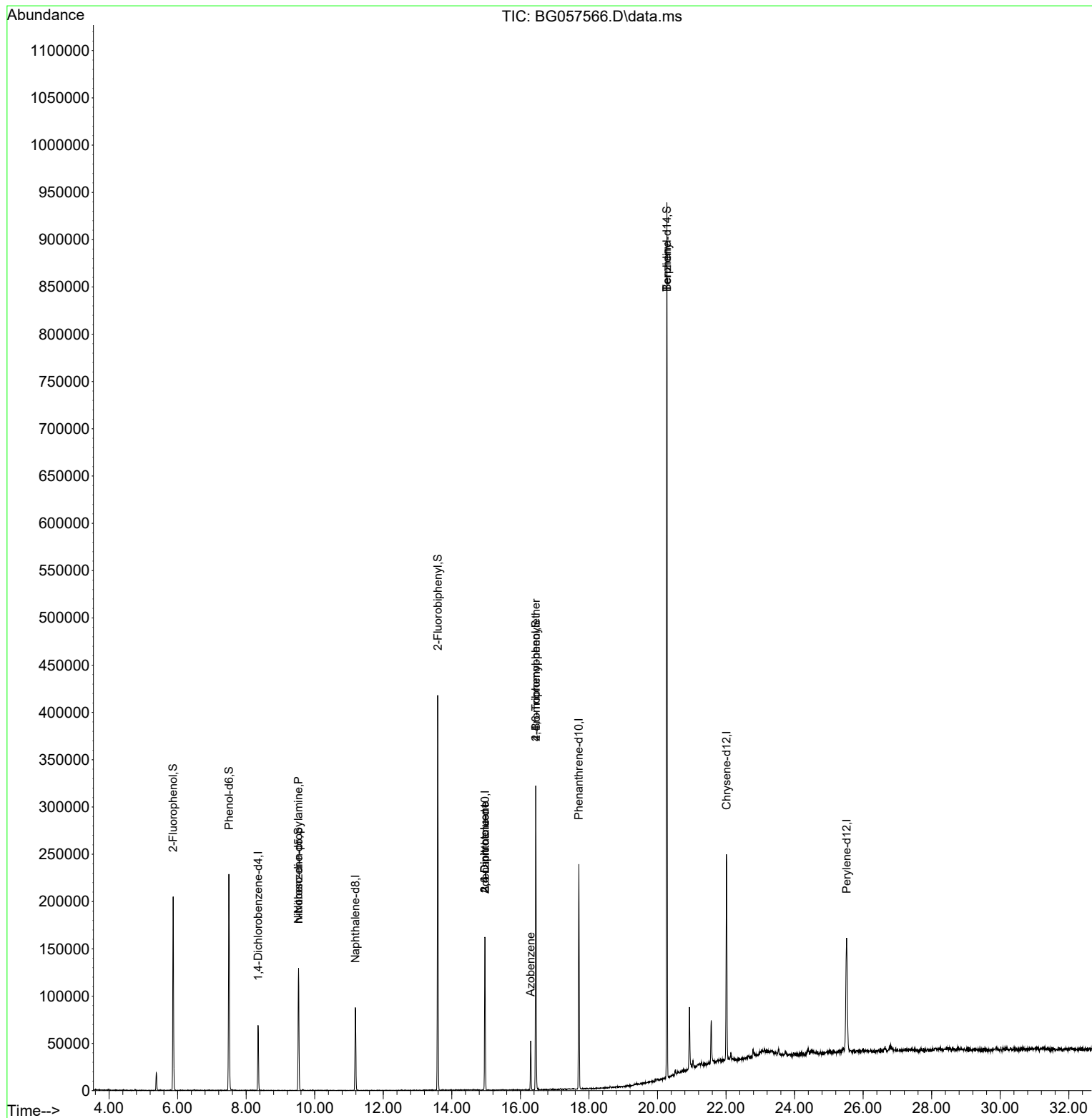
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	19616	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	77906	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	59458	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	155832	20.000	ng	0.00
76) Chrysene-d12	22.012	240	139192	20.000	ng	0.00
86) Perylene-d12	25.519	264	151056	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	90527	78.944	ng	0.00
7) Phenol-d6	7.497	99	141189	81.080	ng	0.00
23) Nitrobenzene-d5	9.529	82	83277	44.864	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	66683	79.041	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	220241	49.887	ng	0.00
79) Terphenyl-d14	20.274	244	474987	55.689	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.497	77	224	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.529	70	11494	8.656	ng	# 76
51) 2,6-Dinitrotoluene	14.963	165	7901	7.920	ng	# 19
57) 2,4-Dinitrotoluene	14.963	165	7901	5.542	ng	# 22
63) Azobenzene	16.302	77	15525	3.243	ng	# 1
67) 4-Bromophenyl-phenylether	16.449	248	4670	2.455	ng	# 1
77) Benzidine	20.274	184	7173	2.305	ng	# 85

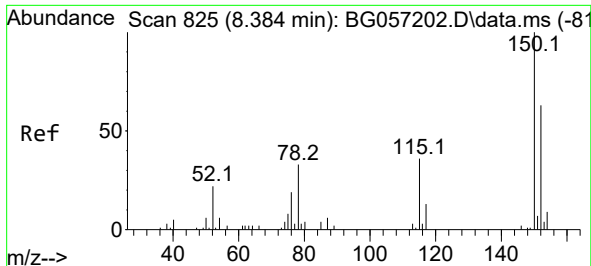
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057566.D
Acq On : 25 May 2023 20:35
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Misc :
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CONCRETE-052423

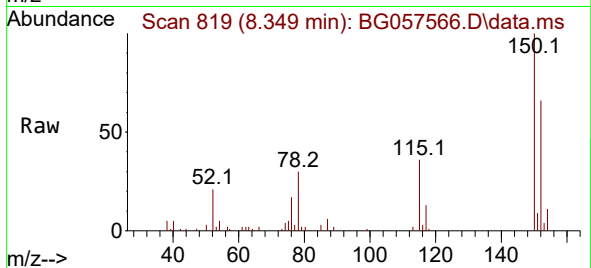
Quant Time: May 26 03:01:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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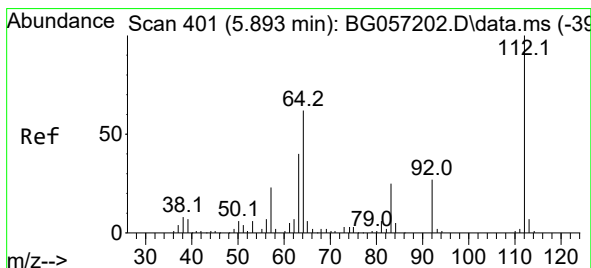
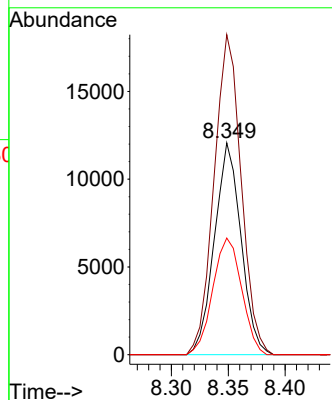
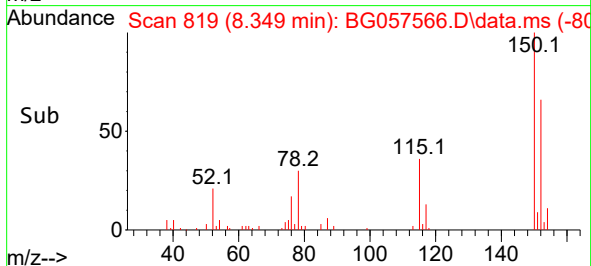


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.349 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

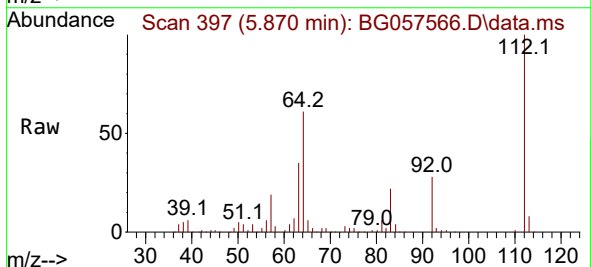
Instrument :
BNA_G
ClientSampleId :
CONCRETE-052423



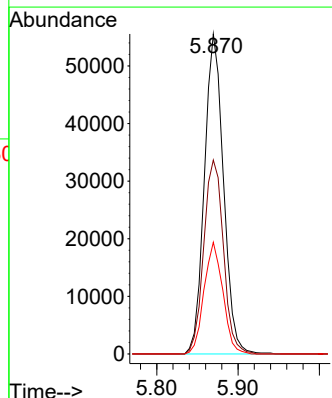
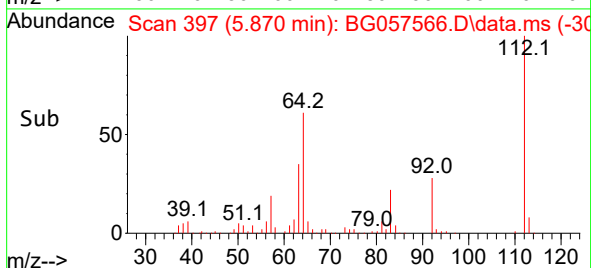
Tgt Ion:152 Resp: 19616
Ion Ratio Lower Upper
152 100
150 151.0 126.2 189.4
115 55.0 45.0 67.4

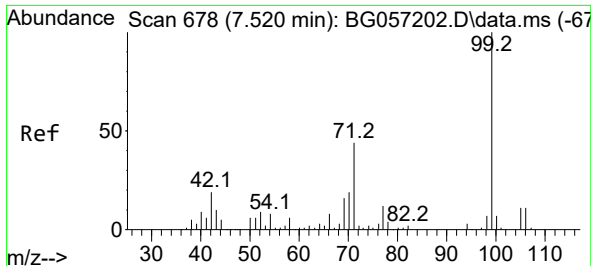


#5
2-Fluorophenol
Concen: 78.944 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.003 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35



Tgt Ion:112 Resp: 90527
Ion Ratio Lower Upper
112 100
64 60.6 49.4 74.2
63 34.9 31.6 47.4

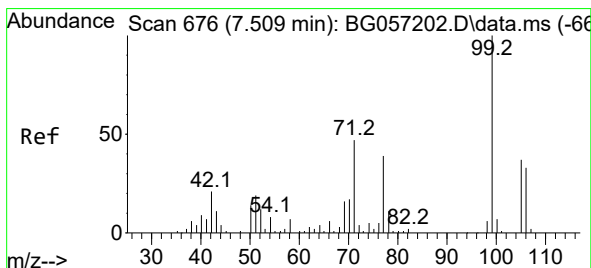
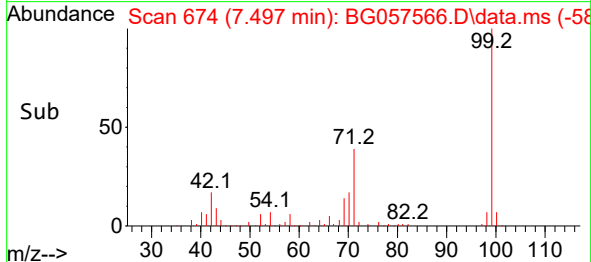
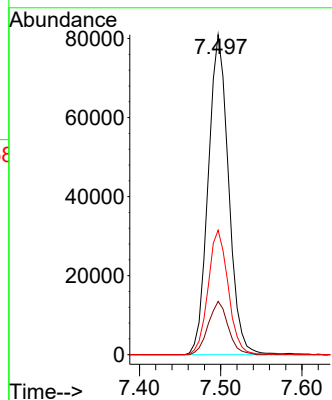
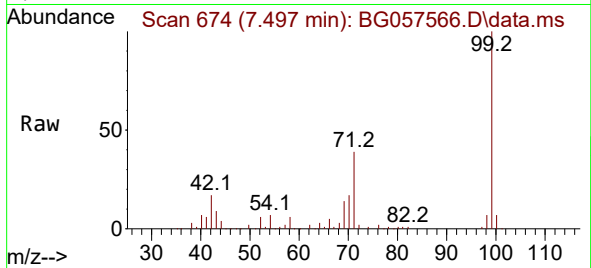




#7
Phenol-d6
Concen: 81.080 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

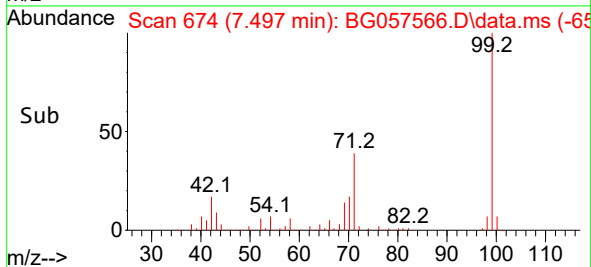
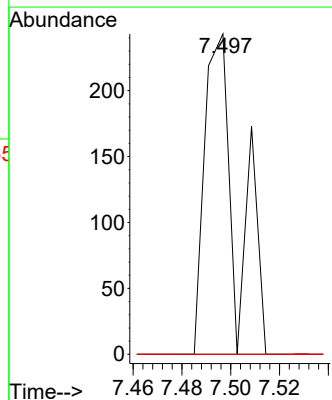
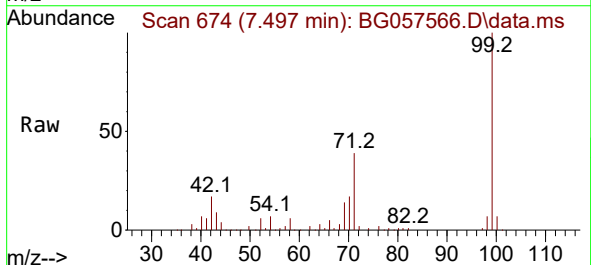
Instrument :
BNA_G
ClientSampleId :
CONCRETE-052423

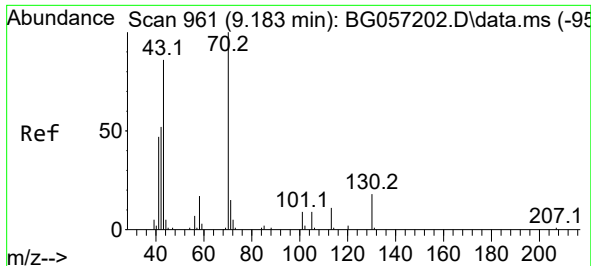
Tgt Ion: 99 Resp: 141189
Ion Ratio Lower Upper
99 100
42 16.7 15.1 22.7
71 38.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.497 min Scan# 674
Delta R.T. 0.015 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

Tgt Ion: 77 Resp: 224
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

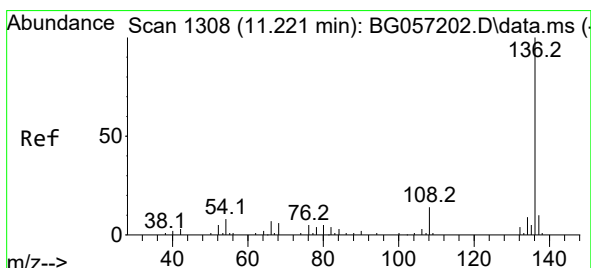
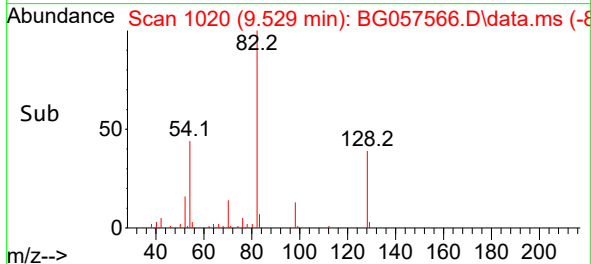
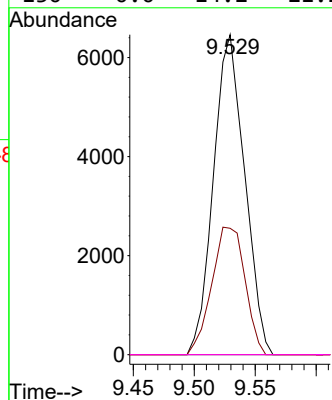
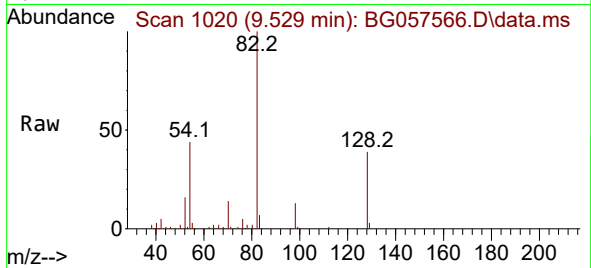




#19
n-Nitroso-di-n-propylamine
Concen: 8.656 ng
RT: 9.529 min Scan# 1020
Delta R.T. 0.373 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

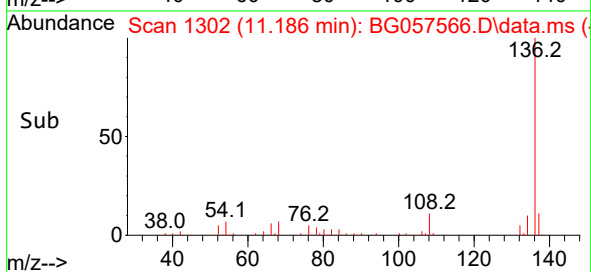
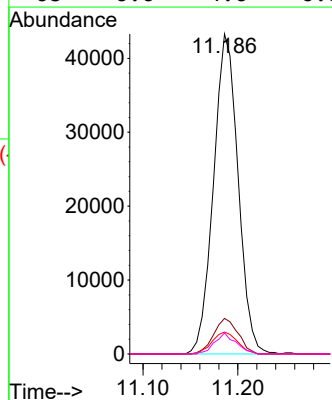
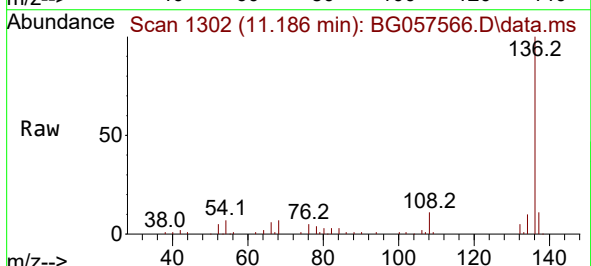
Instrument :
BNA_G
ClientSampleId :
CONCRETE-052423

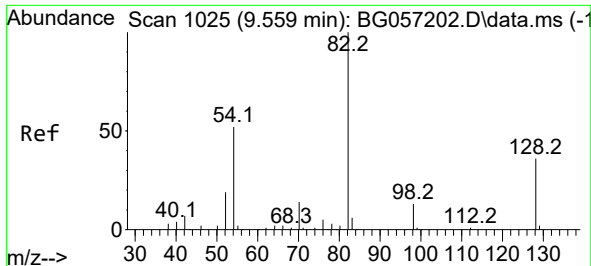
Tgt Ion: 70 Resp: 11494
Ion Ratio Lower Upper
70 100
42 39.5 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 1302
Delta R.T. -0.009 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

Tgt Ion:136 Resp: 77906
Ion Ratio Lower Upper
136 100
137 11.1 8.3 12.5
54 6.8 6.7 10.1
68 6.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 44.864 ng

RT: 9.529 min Scan# 1020

Delta R.T. -0.009 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-052423

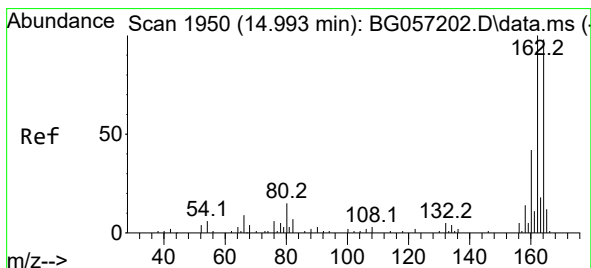
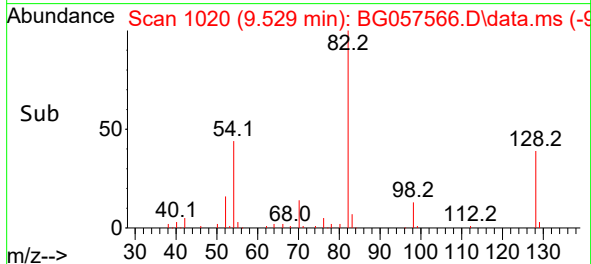
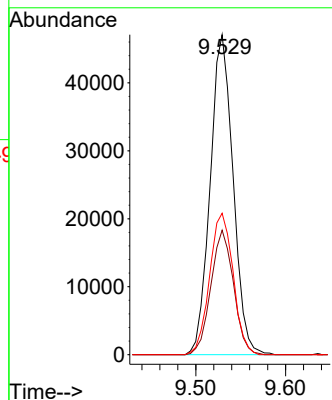
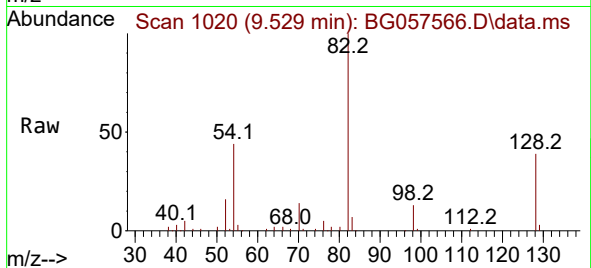
Tgt Ion: 82 Resp: 83277

Ion Ratio Lower Upper

82 100

128 38.9 29.0 43.4

54 44.2 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.003 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

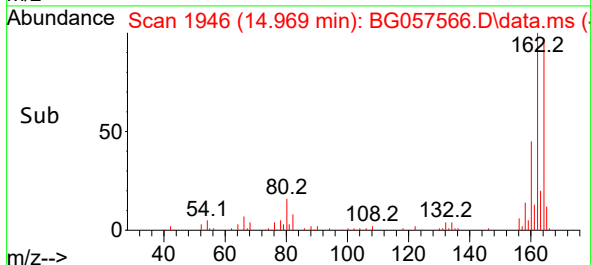
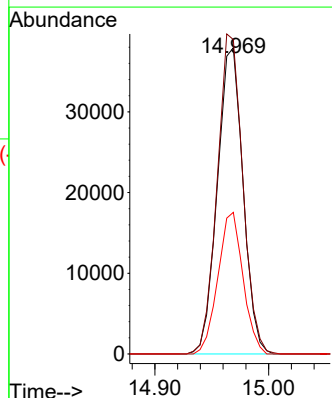
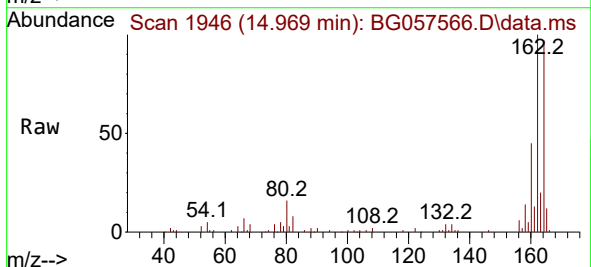
Tgt Ion:164 Resp: 59458

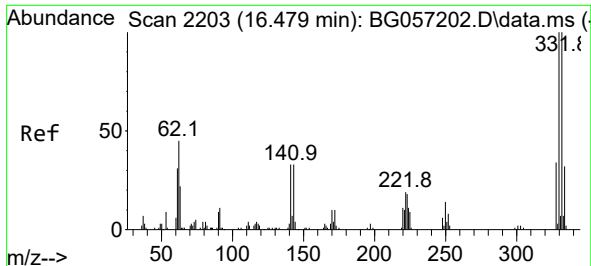
Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.6

160 46.2 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 79.041 ng

RT: 16.449 min Scan# 2198

Delta R.T. -0.009 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-052423

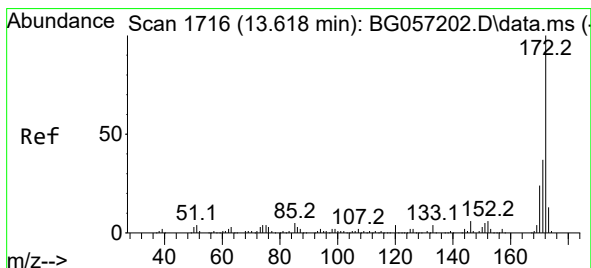
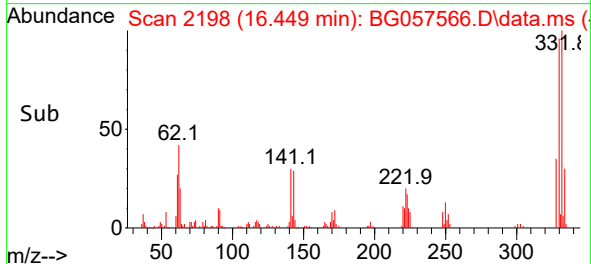
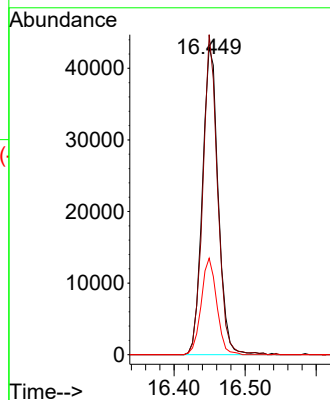
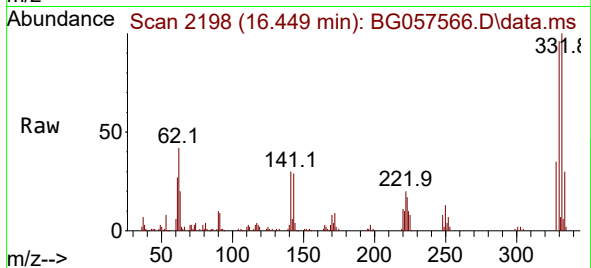
Tgt Ion:330 Resp: 66683

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.2

141 30.7 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 49.887 ng

RT: 13.589 min Scan# 1711

Delta R.T. -0.009 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

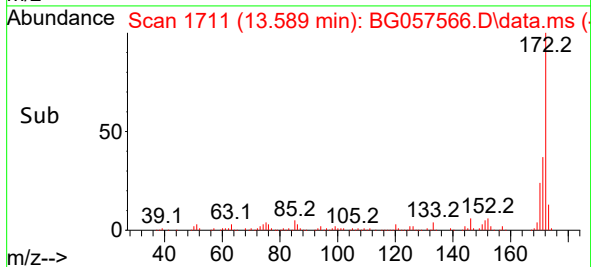
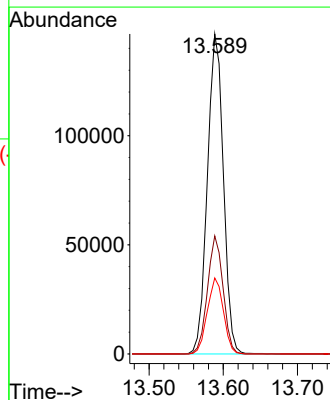
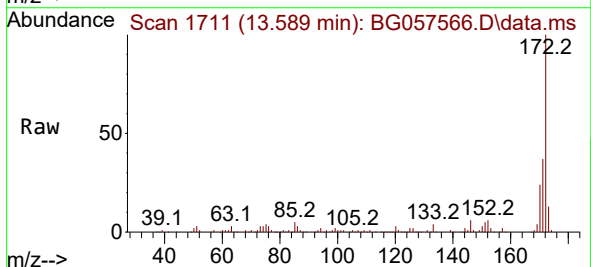
Tgt Ion:172 Resp: 220241

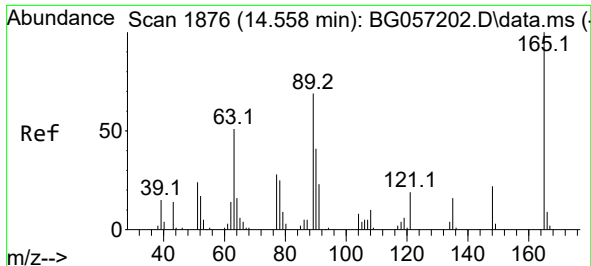
Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.920 ng

RT: 14.963 min Scan# 1945

Delta R.T. 0.420 min

Lab File: BG057566.D

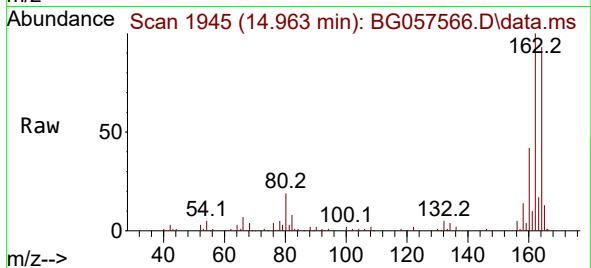
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Instrument :

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ClientSampleId :

CONCRETE-052423



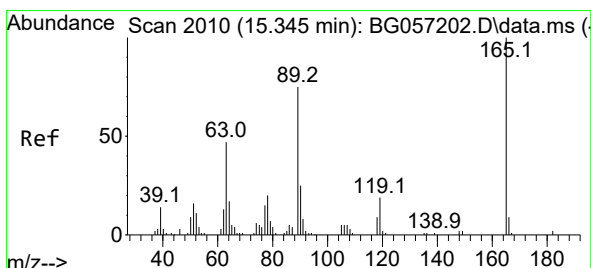
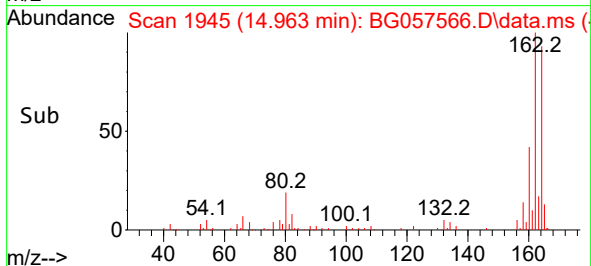
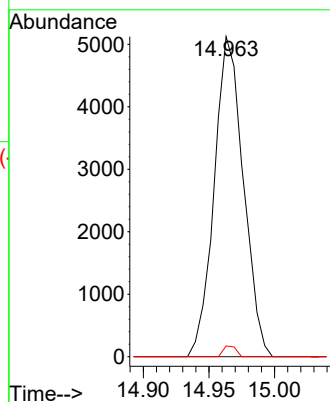
Tgt Ion:165 Resp: 7901

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 3.4 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.542 ng

RT: 14.963 min Scan# 1945

Delta R.T. -0.367 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

Tgt Ion:165 Resp: 7901

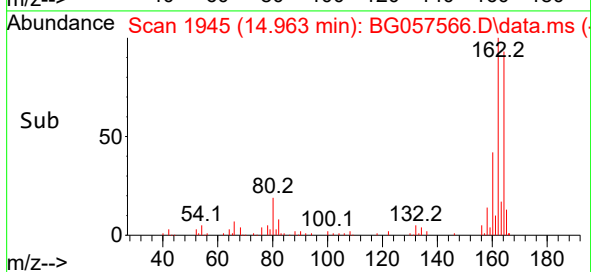
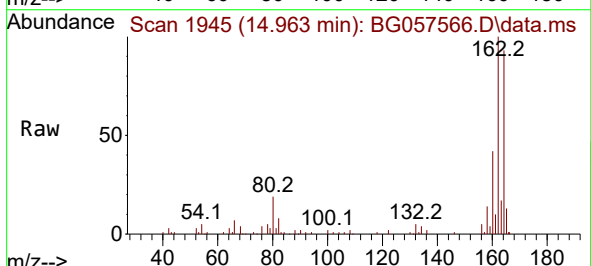
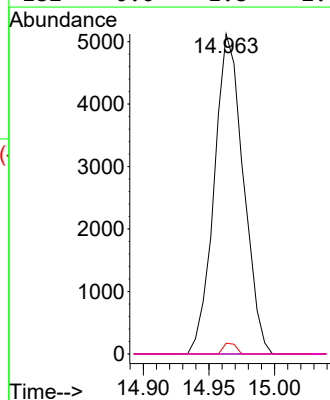
Ion Ratio Lower Upper

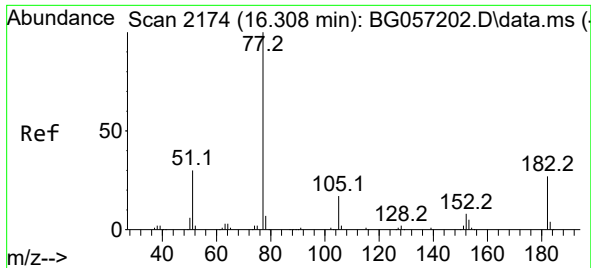
165 100

63 0.0 37.5 56.3#

89 3.4 60.2 90.4#

182 0.0 1.8 2.8#

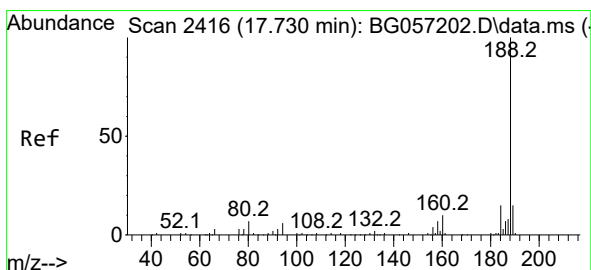
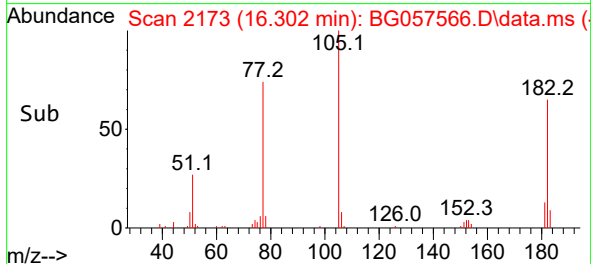
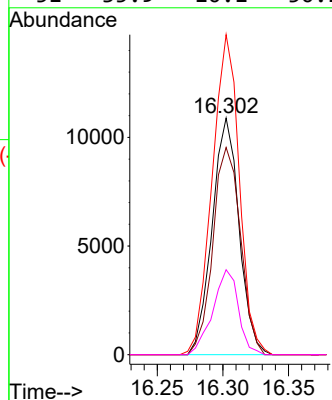
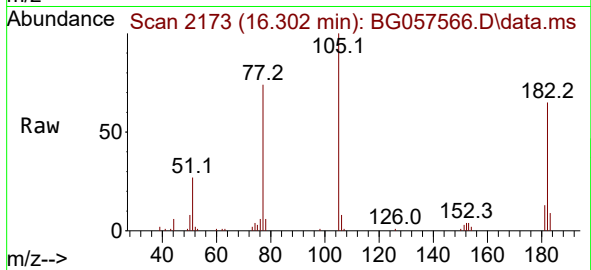




#63
Azobenzene
Concen: 3.243 ng
RT: 16.302 min Scan# 2173
Delta R.T. 0.021 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

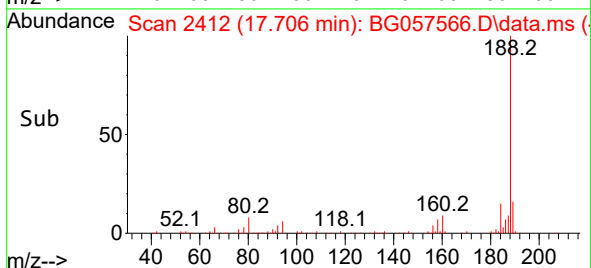
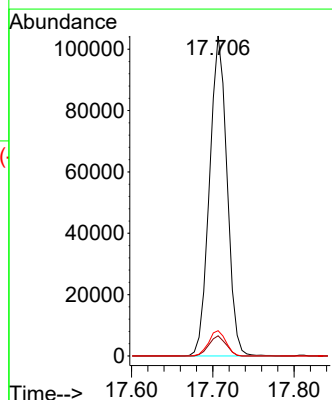
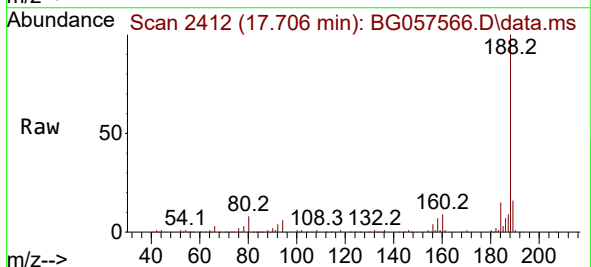
Instrument :
BNA_G
ClientSampleId :
CONCRETE-052423

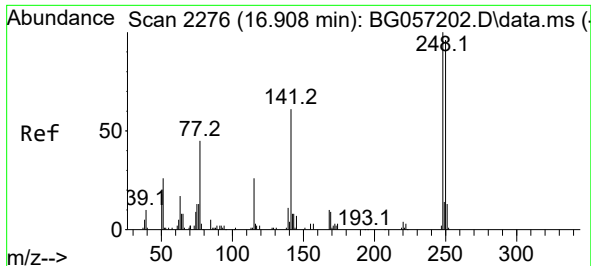
Tgt Ion: 77 Resp: 15525
Ion Ratio Lower Upper
77 100
182 87.5 7.4 47.4#
105 135.2 0.0 37.2#
51 35.9 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2412
Delta R.T. -0.003 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

Tgt Ion: 188 Resp: 155832
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 7.9 5.7 8.5

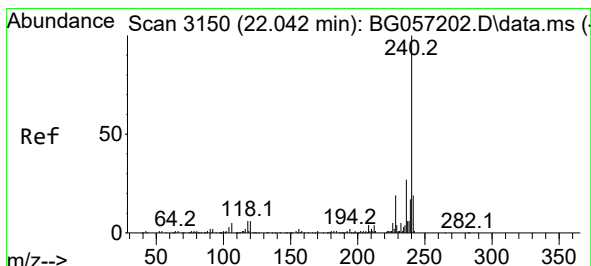
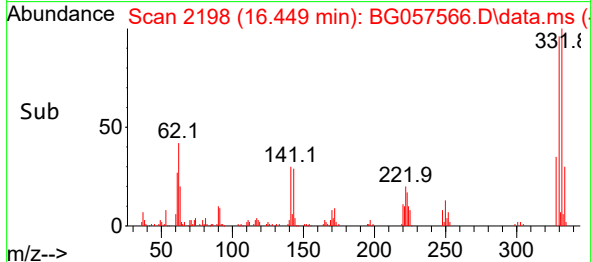
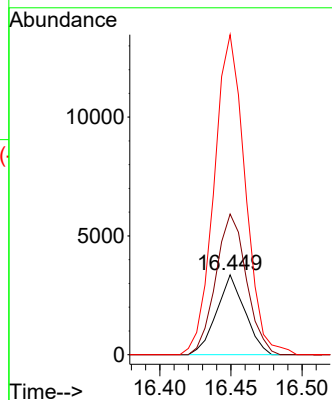
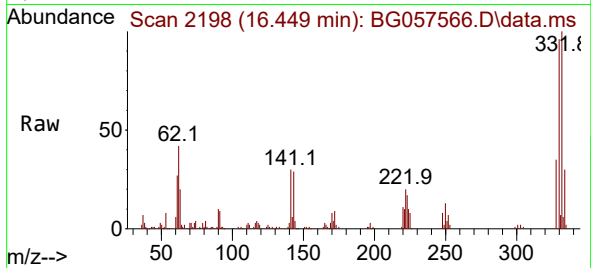




#67
4-Bromophenyl-phenylether
Concen: 2.455 ng
RT: 16.449 min Scan# 2198
Delta R.T. -0.437 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

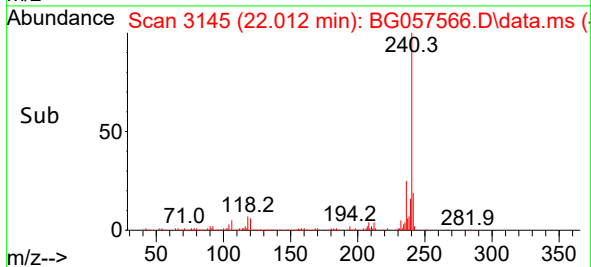
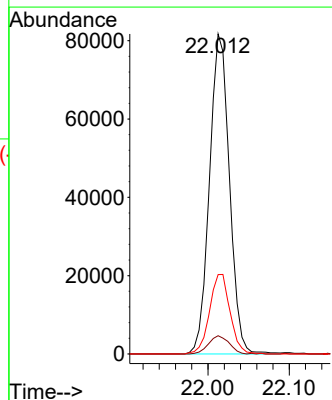
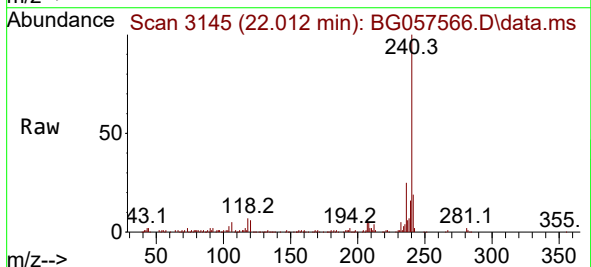
Instrument :
BNA_G
ClientSampleId :
CONCRETE-052423

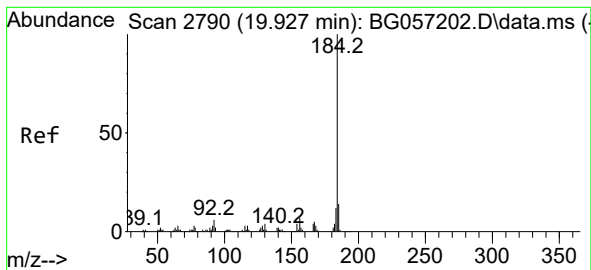
Tgt Ion:248 Resp: 4670
Ion Ratio Lower Upper
248 100
250 176.2 77.0 115.6#
141 401.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.012 min Scan# 3145
Delta R.T. -0.009 min
Lab File: BG057566.D
Acq: 25 May 2023 20:35

Tgt Ion:240 Resp: 139192
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 24.8 21.4 32.2





#77

Benzidine

Concen: 2.305 ng

RT: 20.274 min Scan# 2849

Delta R.T. 0.367 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-052423

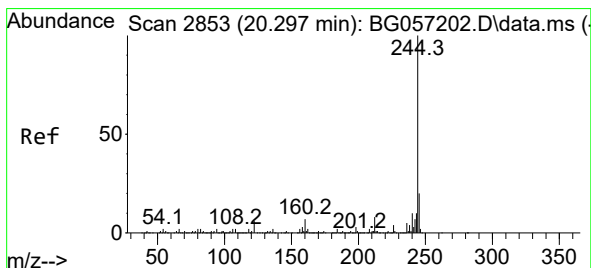
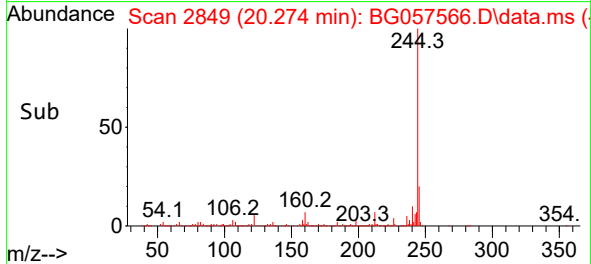
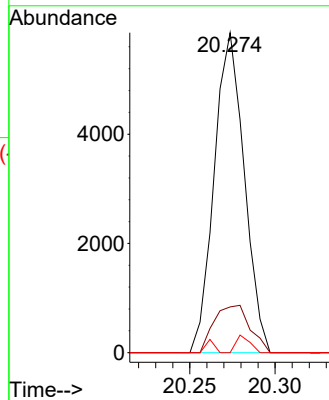
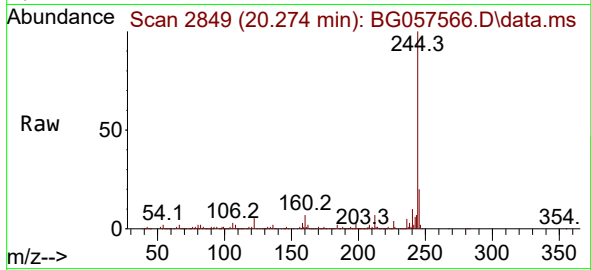
Tgt Ion:184 Resp: 7173

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

183 0.0 9.9 14.9#



#79

Terphenyl-d14

Concen: 55.689 ng

RT: 20.274 min Scan# 2849

Delta R.T. -0.003 min

Lab File: BG057566.D

Acq: 25 May 2023 20:35

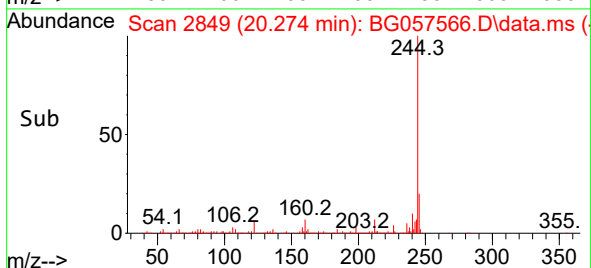
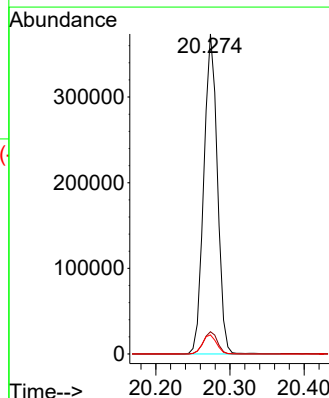
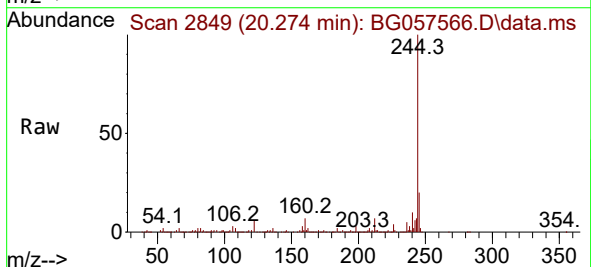
Tgt Ion:244 Resp: 474987

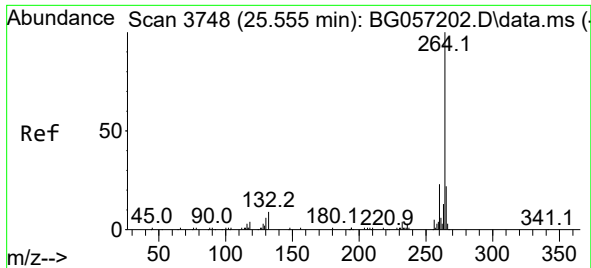
Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 5.9 5.1 7.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.519 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG057566.D

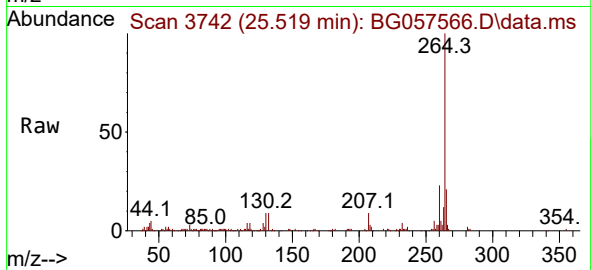
Acq: 25 May 2023 20:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-052423



Tgt Ion:264 Resp: 151056

Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

265 20.6 17.9 26.9

