

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060061.D
 Acq On : 16 Dec 2023 8:44
 Operator : MA/JU
 Sample : 05804-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FENCE-POST-CONCRETE

Quant Time: Dec 18 00:11:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

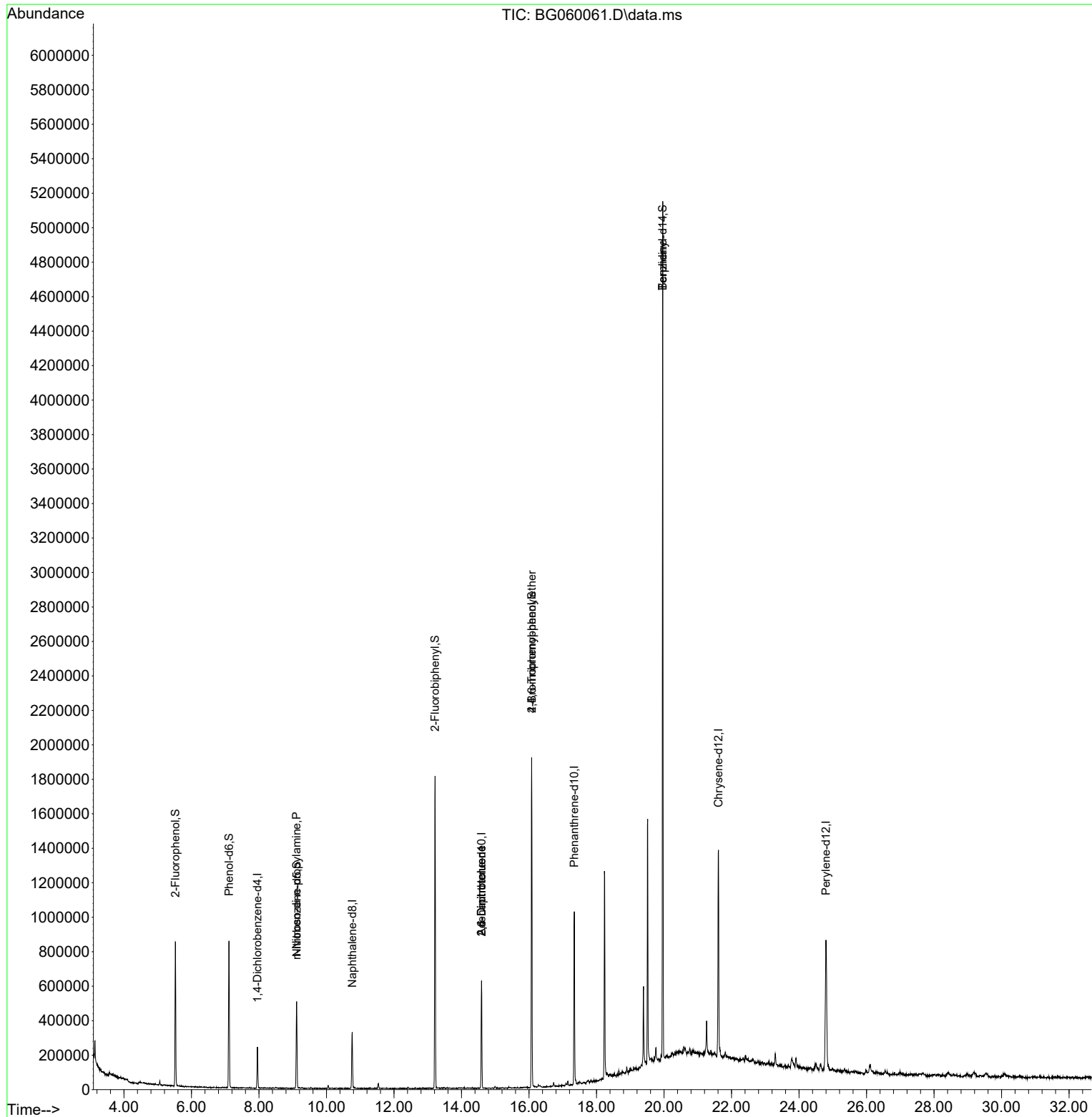
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	62953	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	266323	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	218545	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	687532	20.000	ng	0.00
76) Chrysene-d12	21.608	240	794335	20.000	ng	0.00
86) Perylene-d12	24.798	264	942256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	314933	85.638	ng	0.00
7) Phenol-d6	7.113	99	449936	86.978	ng	0.00
23) Nitrobenzene-d5	9.116	82	296933	50.627	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	454131	89.166	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	984961	55.160	ng	0.00
79) Terphenyl-d14	19.962	244	2615190	60.108	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.110	70	40894	12.253	ng	# 71
51) 2,6-Dinitrotoluene	14.592	165	30392	8.649	ng	# 25
57) 2,4-Dinitrotoluene	14.592	165	30392	6.153	ng	# 28
67) 4-Bromophenyl-phenylether	16.079	248	26778	2.760	ng	# 1
69) Atrazine	16.743	200	240	Below Cal		# 34
77) Benzidine	19.962	184	37250	3.651	ng	# 94

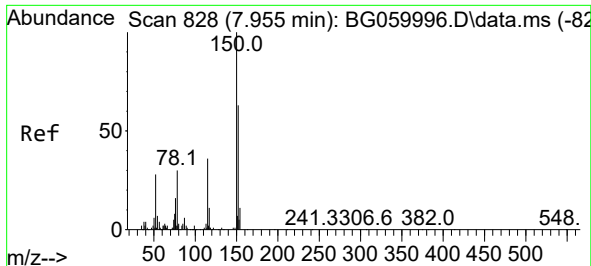
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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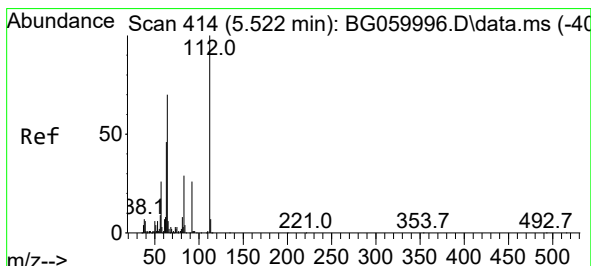
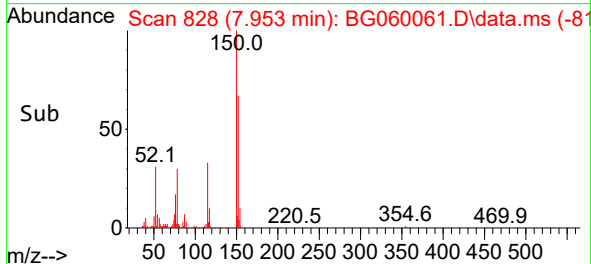
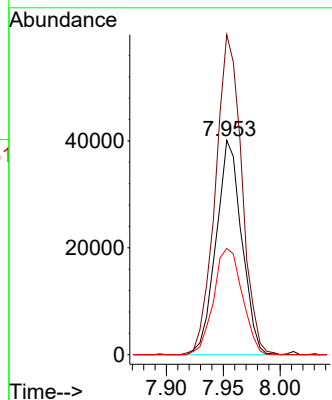
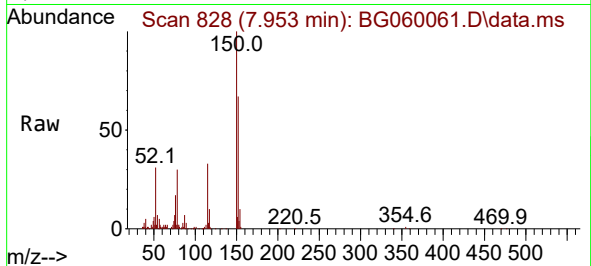




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

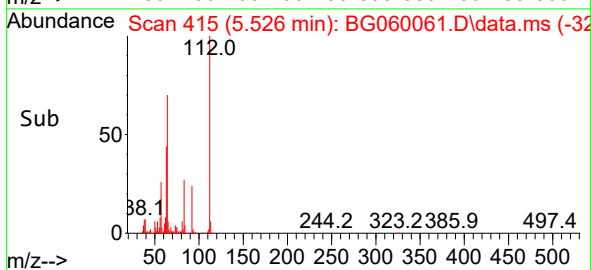
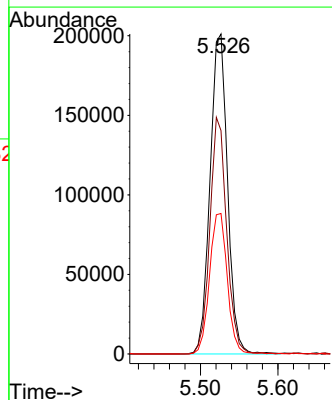
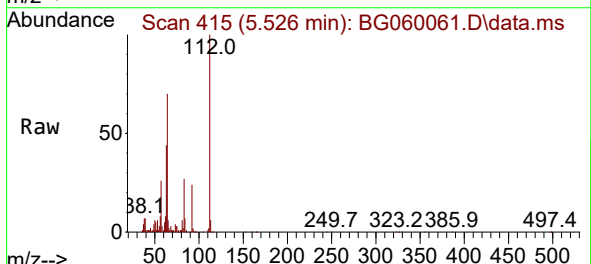
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

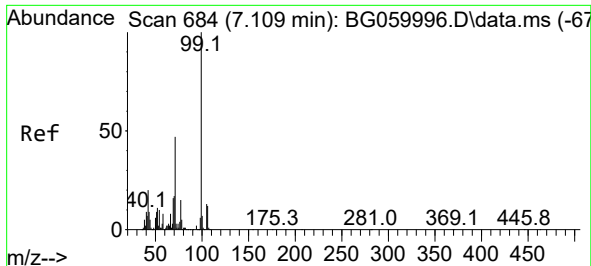
Tgt Ion:152 Resp: 62953
Ion Ratio Lower Upper
152 100
150 149.4 127.0 190.6
115 49.6 45.7 68.5



#5
2-Fluorophenol
Concen: 85.638 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion:112 Resp: 314933
Ion Ratio Lower Upper
112 100
64 69.8 55.9 83.9
63 43.9 36.5 54.7

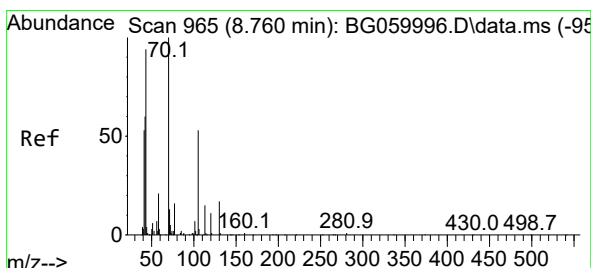
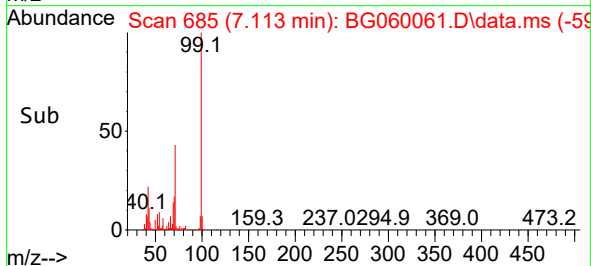
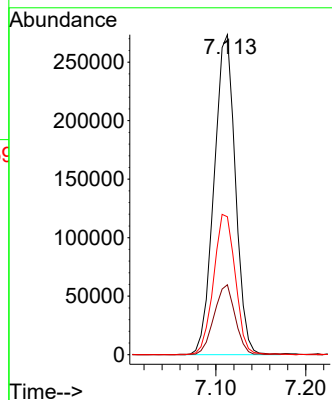
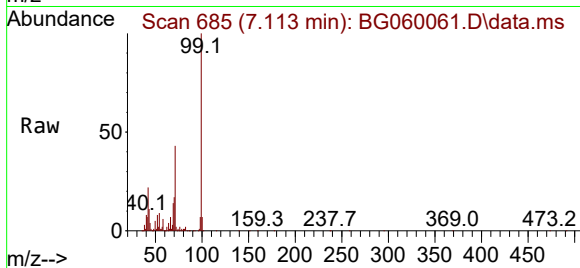




#7
Phenol-d6
Concen: 86.978 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

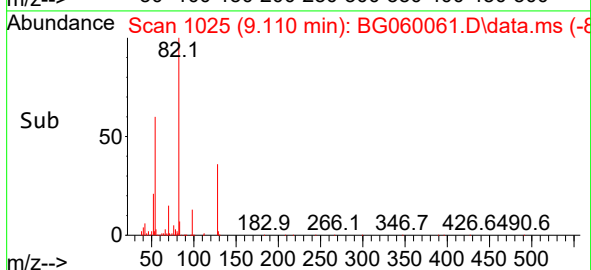
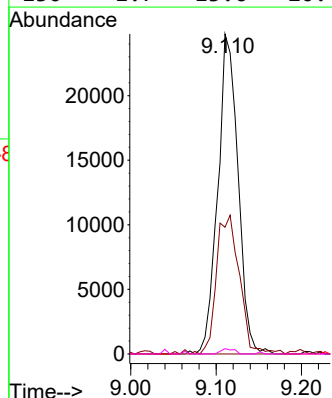
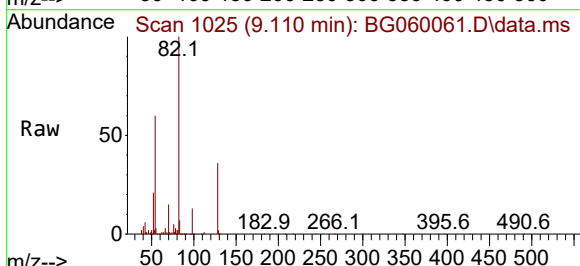
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

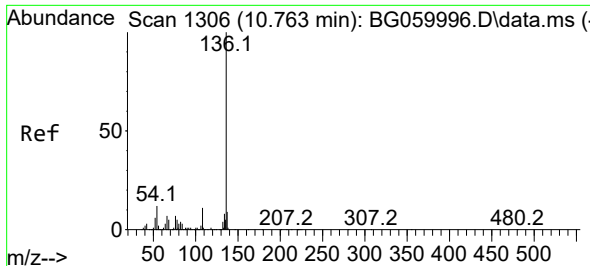
Tgt Ion: 99 Resp: 449936
Ion Ratio Lower Upper
99 100
42 21.8 16.2 24.4
71 43.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.253 ng
RT: 9.110 min Scan# 1025
Delta R.T. 0.351 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion: 70 Resp: 40894
Ion Ratio Lower Upper
70 100
42 39.6 48.6 73.0#
101 0.0 5.7 8.5#
130 1.7 13.6 20.4#

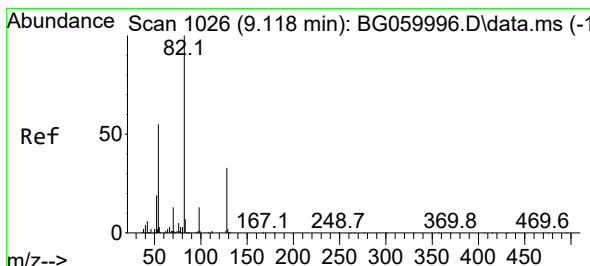
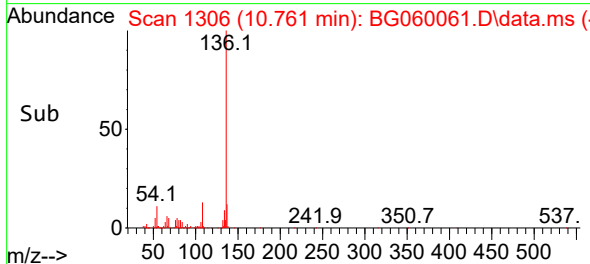
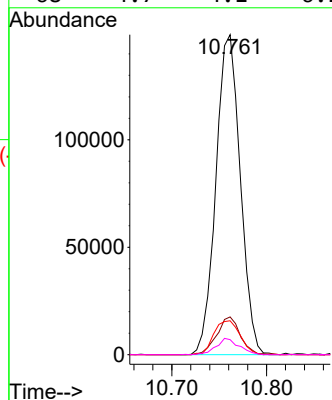
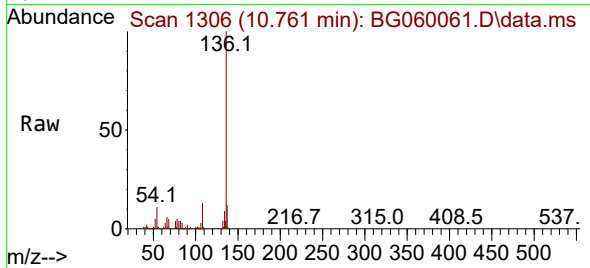




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

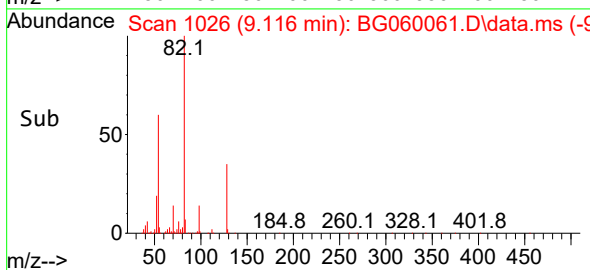
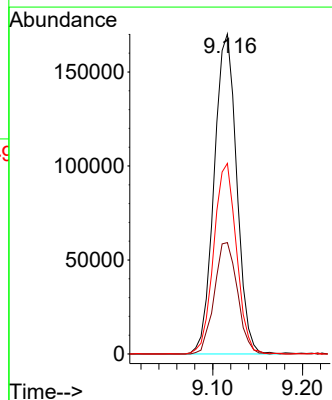
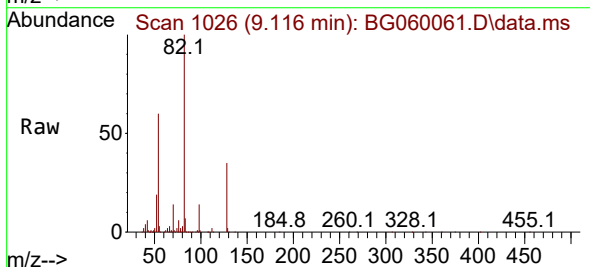
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

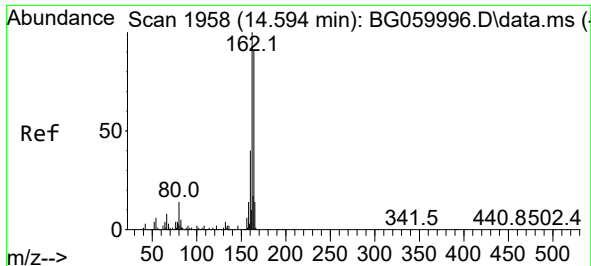
Tgt Ion:136 Resp: 266323
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 10.6 9.6 14.4
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 50.627 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion: 82 Resp: 296933
Ion Ratio Lower Upper
82 100
128 34.8 26.3 39.5
54 59.6 44.3 66.5

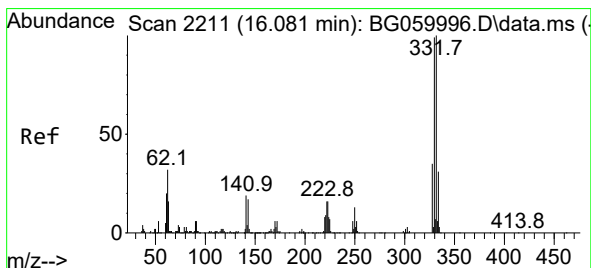
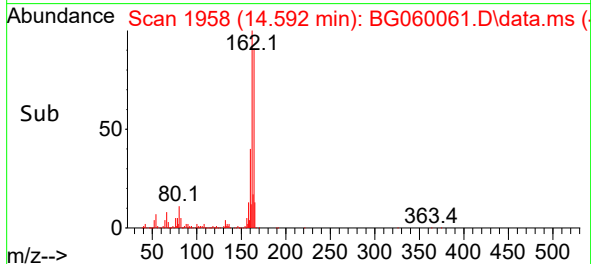
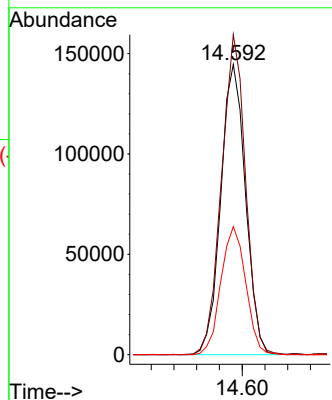
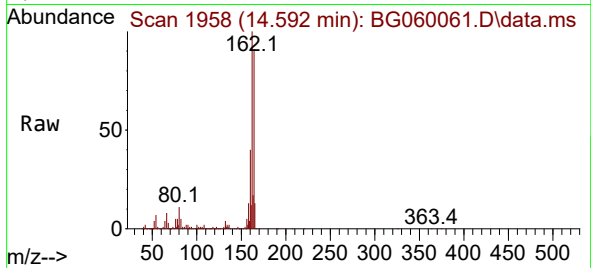




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

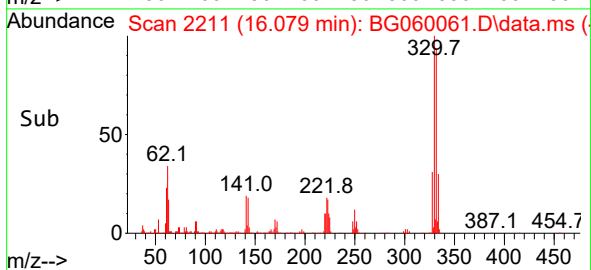
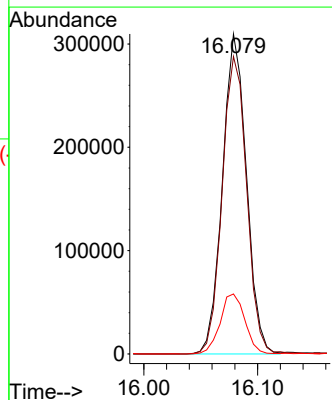
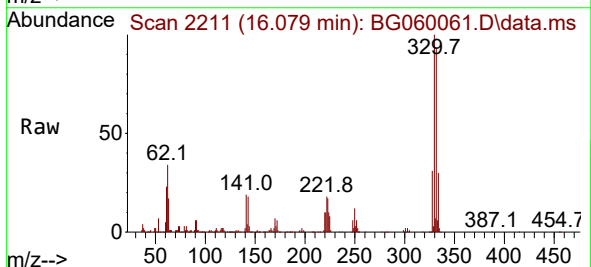
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

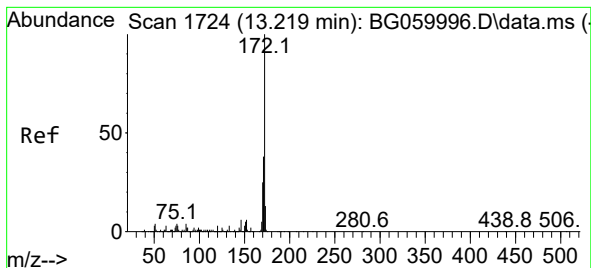
Tgt Ion:164 Resp: 218545
Ion Ratio Lower Upper
164 100
162 110.3 88.1 132.1
160 44.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 89.166 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion:330 Resp: 454131
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 19.6 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 55.160 ng

RT: 13.217 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060061.D

Acq: 16 Dec 2023 8:44

Instrument :

BNA_G

ClientSampleId :

FENCE-POST-CONCRETE

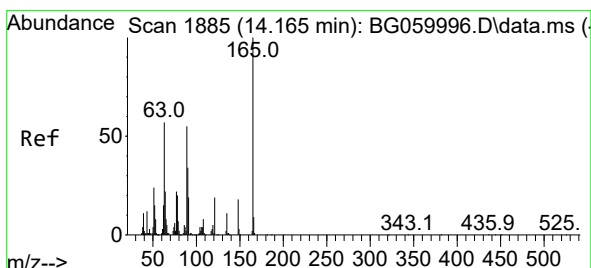
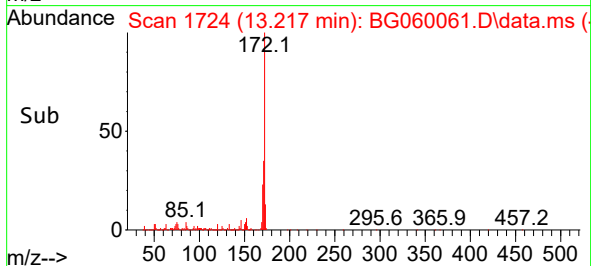
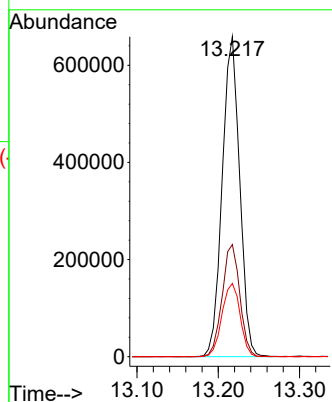
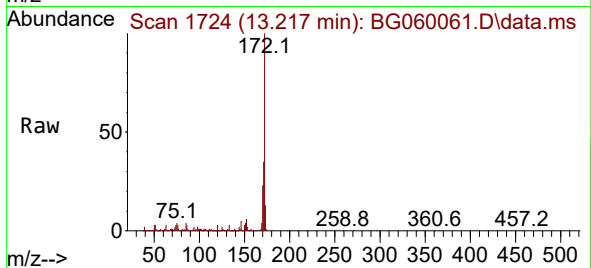
Tgt Ion:172 Resp: 984961

Ion Ratio Lower Upper

172 100

171 35.0 30.1 45.1

170 22.9 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.649 ng

RT: 14.592 min Scan# 1958

Delta R.T. 0.427 min

Lab File: BG060061.D

Acq: 16 Dec 2023 8:44

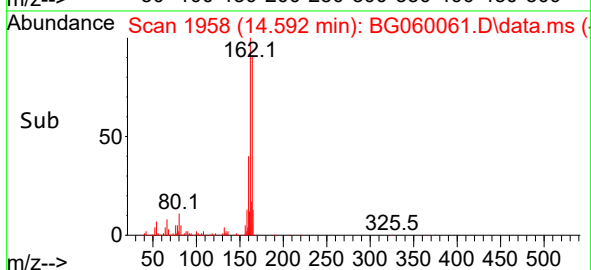
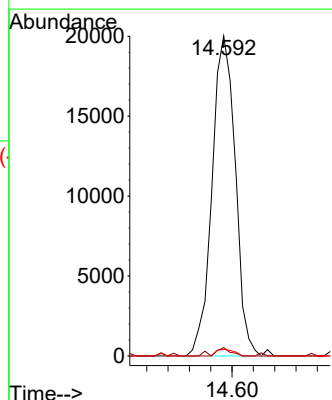
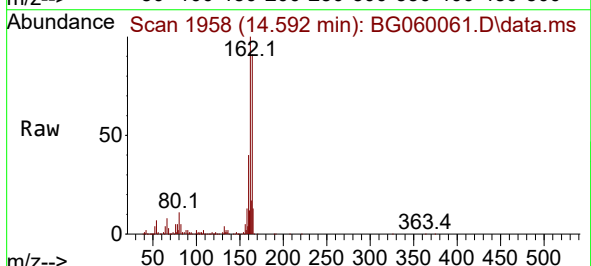
Tgt Ion:165 Resp: 30392

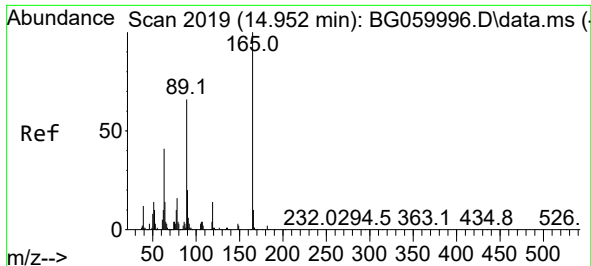
Ion Ratio Lower Upper

165 100

63 2.6 48.2 72.2#

89 2.0 44.4 66.6#

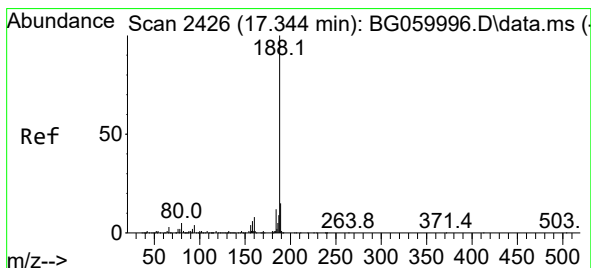
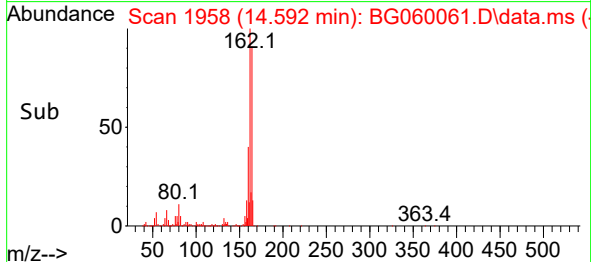
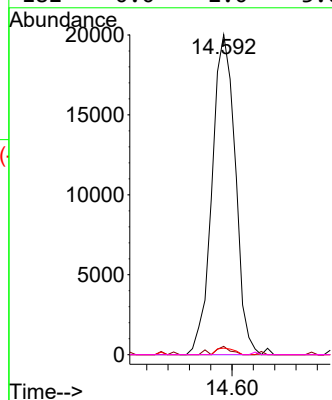
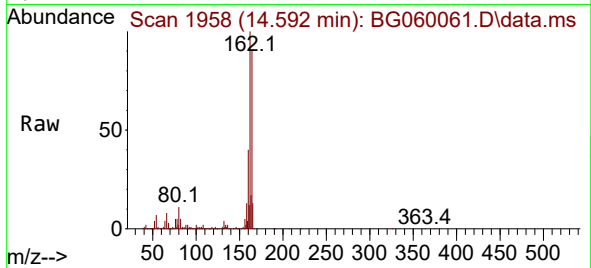




#57
2,4-Dinitrotoluene
Concen: 6.153 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.360 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

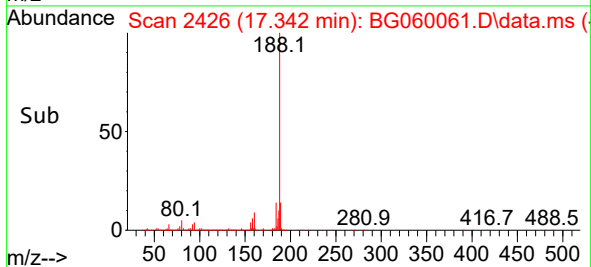
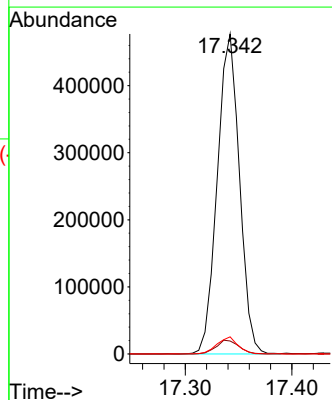
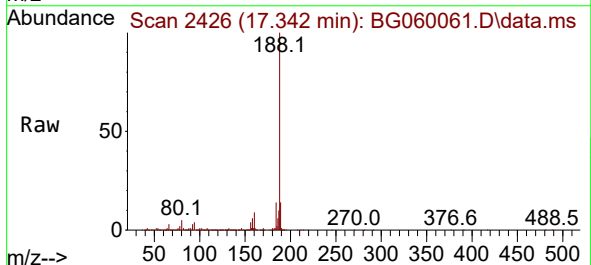
Instrument :
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FENCE-POST-CONCRETE

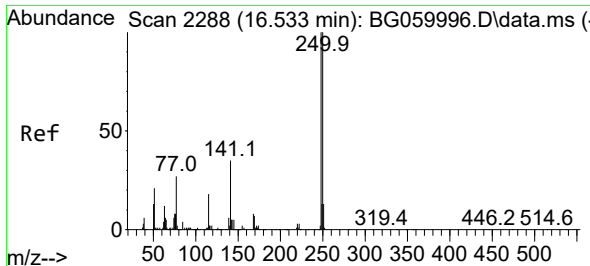
Tgt Ion:165 Resp: 30392
Ion Ratio Lower Upper
165 100
63 2.6 32.8 49.2#
89 2.0 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion:188 Resp: 687532
Ion Ratio Lower Upper
188 100
94 4.0 3.0 4.6
80 5.4 4.0 6.0

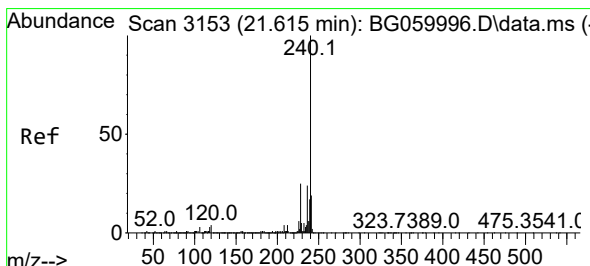
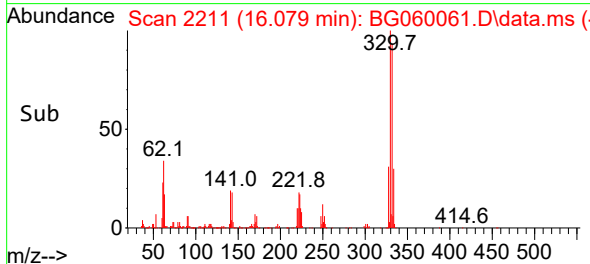
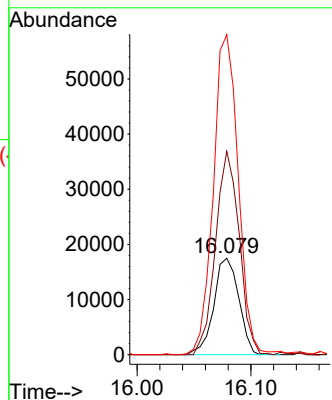
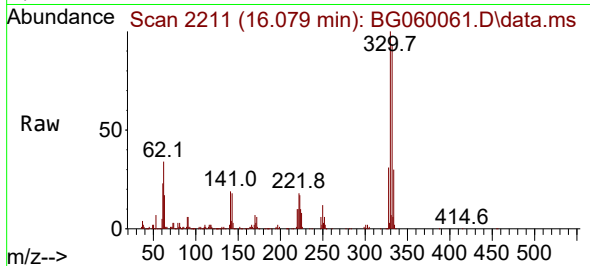




#67
4-Bromophenyl-phenylether
Concen: 2.760 ng
RT: 16.079 min Scan# 211
Delta R.T. -0.454 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

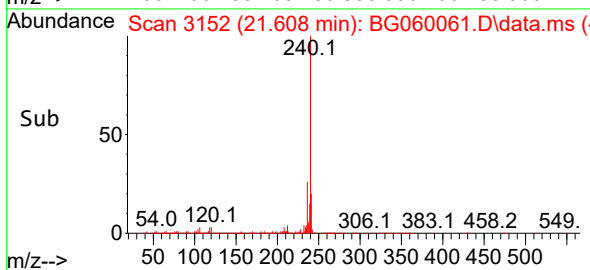
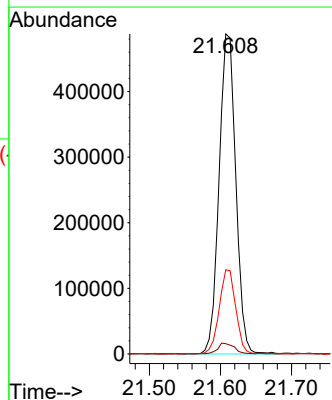
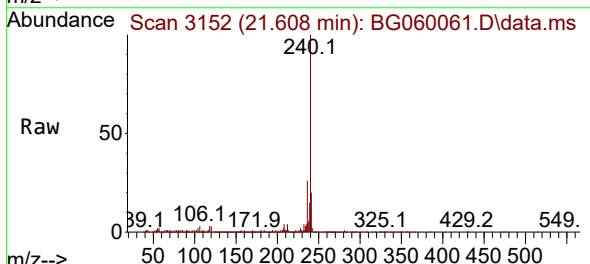
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

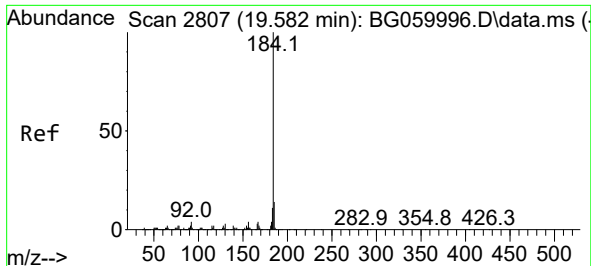
Tgt Ion:248 Resp: 26778
Ion Ratio Lower Upper
248 100
250 210.7 79.9 119.9#
141 331.5 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion:240 Resp: 794335
Ion Ratio Lower Upper
240 100
120 3.2 2.9 4.3
236 26.3 19.4 29.2

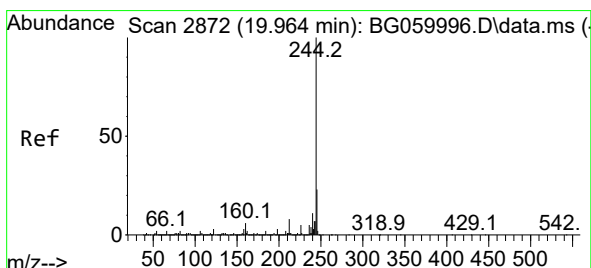
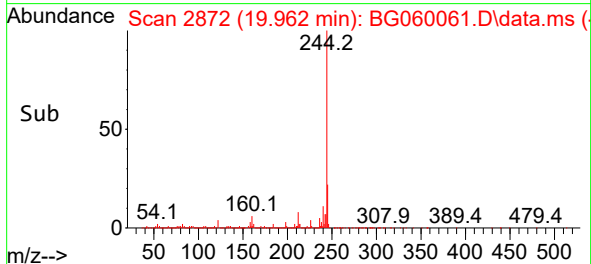
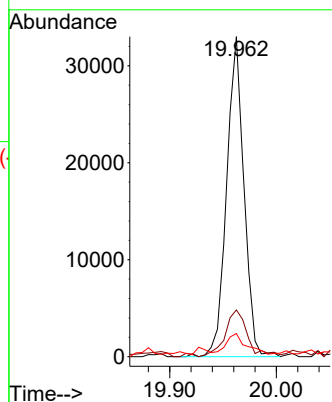
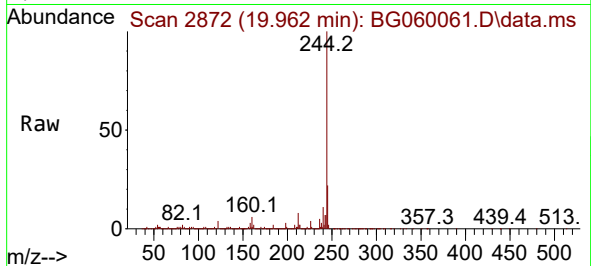




#77
Benzidine
Concen: 3.651 ng
RT: 19.962 min Scan# 2872
Delta R.T. 0.380 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

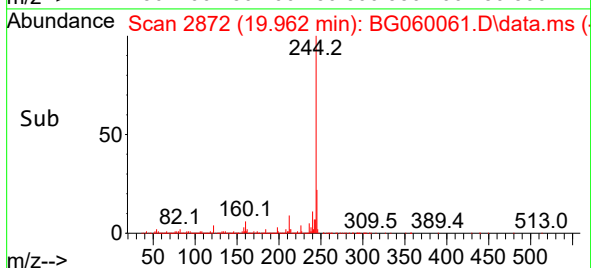
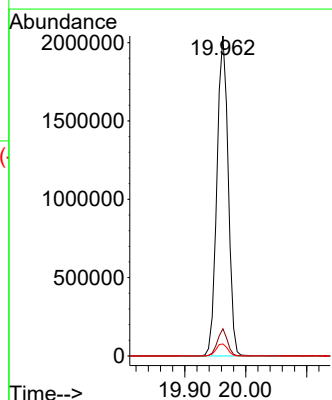
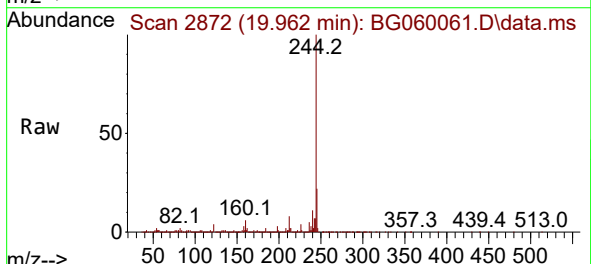
Instrument :
BNA_G
ClientSampleId :
FENCE-POST-CONCRETE

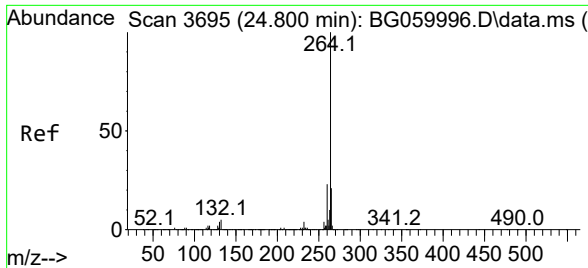
Tgt Ion:184 Resp: 37250
Ion Ratio Lower Upper
184 100
185 14.6 11.1 16.7
183 7.3 9.0 13.4#



#79
Terphenyl-d14
Concen: 60.108 ng
RT: 19.962 min Scan# 2872
Delta R.T. -0.002 min
Lab File: BG060061.D
Acq: 16 Dec 2023 8:44

Tgt Ion:244 Resp: 2615190
Ion Ratio Lower Upper
244 100
212 8.5 6.8 10.2
122 3.8 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060061.D
 Acq: 16 Dec 2023 8:44

Instrument :
 BNA_G
 ClientSampleId :
 FENCE-POST-CONCRETE

Tgt Ion:264 Resp: 942256
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 20.7 17.3 25.9

