

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
 Data File : BG057730.D
 Acq On : 15 Jun 2023 18:52
 Operator : CG/JU
 Sample : 03164-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001

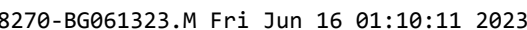
Quant Time: Jun 16 01:10:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:28:07 2023
 Response via : Initial Calibration

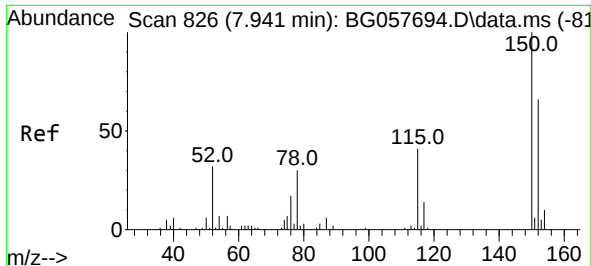
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	29006	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	116608	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	73943	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	176819	20.000	ng	0.00
76) Chrysene-d12	21.566	240	164224	20.000	ng	0.00
86) Perylene-d12	24.727	264	193259	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	311130	174.657	ng	0.00
7) Phenol-d6	7.095	99	389310	142.259	ng	0.00
23) Nitrobenzene-d5	9.098	82	267545	132.627	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	170045	206.128	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	565404	113.979	ng	0.00
79) Terphenyl-d14	19.927	244	1020068	114.841	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	34862	17.618	ng	# 72
24) Nitrobenzene	9.104	77	747	5.395	ng	# 44
48) 2-Nitroaniline	13.193	65	1025	5.352	ng	# 5
51) 2,6-Dinitrotoluene	14.568	165	9668	17.765	ng	# 14
57) 2,4-Dinitrotoluene	14.568	165	9668	14.745	ng	# 17
67) 4-Bromophenyl-phenylether	16.055	248	11610	6.448	ng	# 1
77) Benzidine	19.933	184	14008	3.578	ng	# 93
80) Butylbenzylphthalate	20.626	149	66	4.121	ng	# 21

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 15:28:07 2023
Response via : Initial Calibration

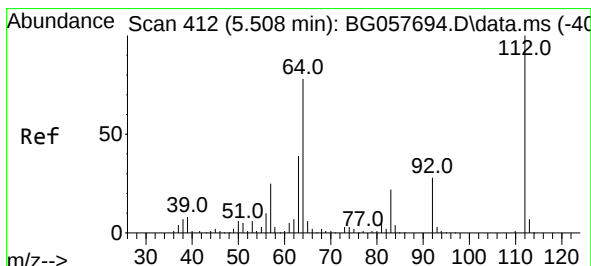
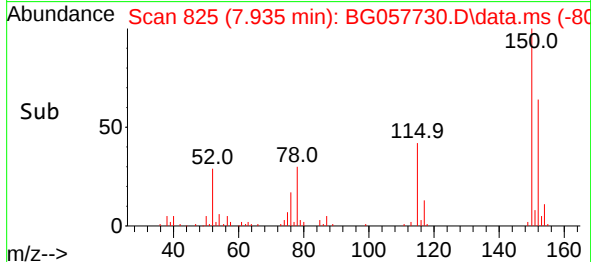
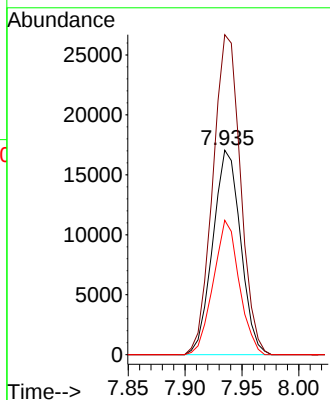
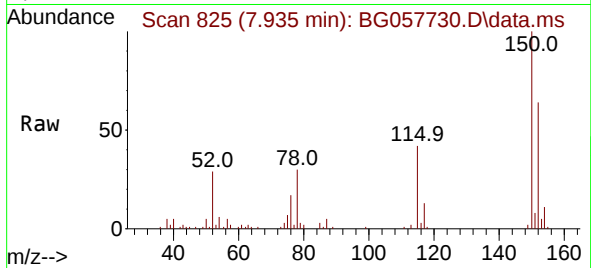




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057730.D
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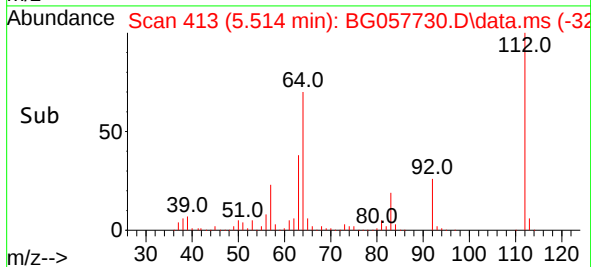
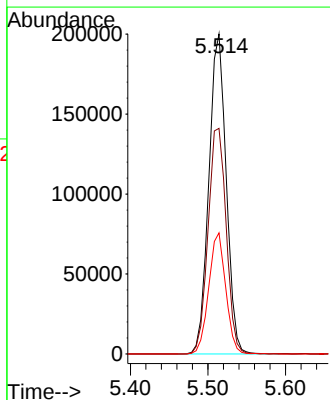
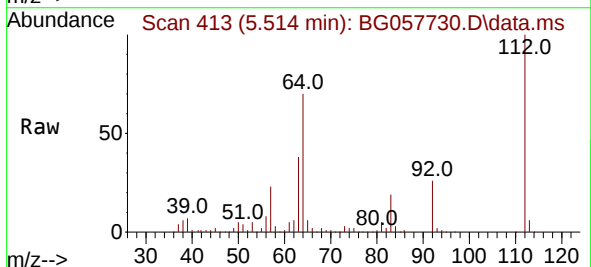
Instrument :
BNA_G
ClientSampleId :
SOIL-001

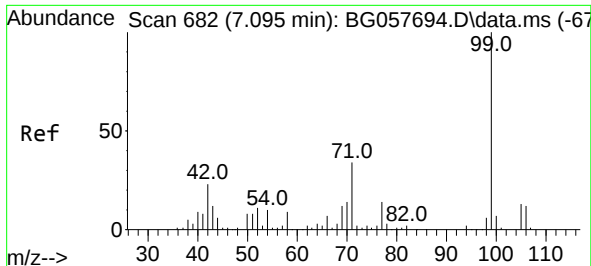
Tgt Ion:152 Resp: 29006
Ion Ratio Lower Upper
152 100
150 156.5 120.8 181.2
115 65.7 49.4 74.2



#5
2-Fluorophenol
Concen: 174.657 ng
RT: 5.514 min Scan# 413
Delta R.T. 0.004 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:112 Resp: 311130
Ion Ratio Lower Upper
112 100
64 70.5 62.3 93.5
63 37.9 31.5 47.3

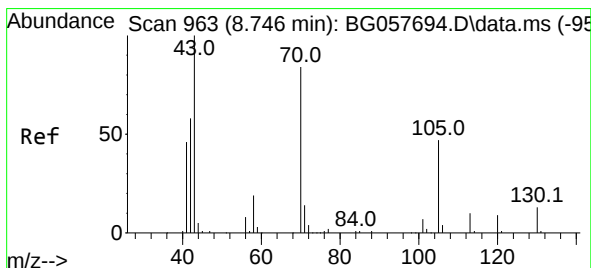
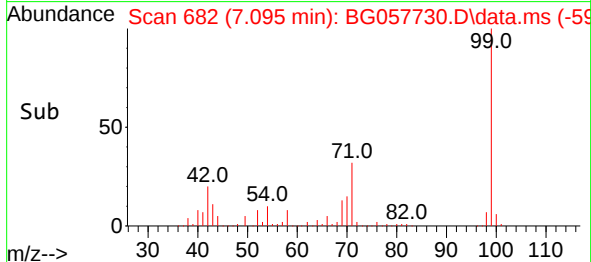
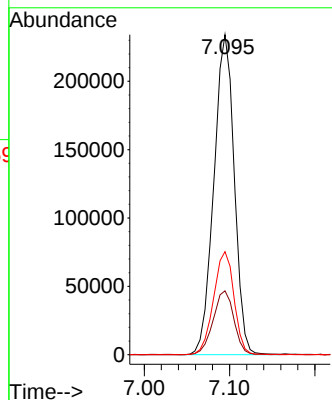
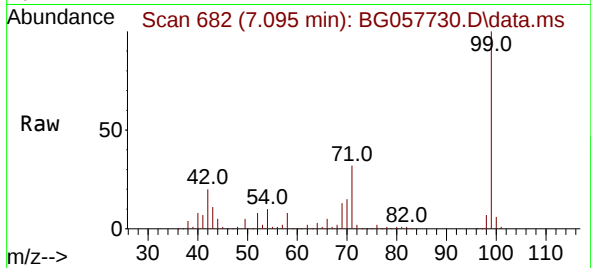




#7
Phenol-d6
Concen: 142.259 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

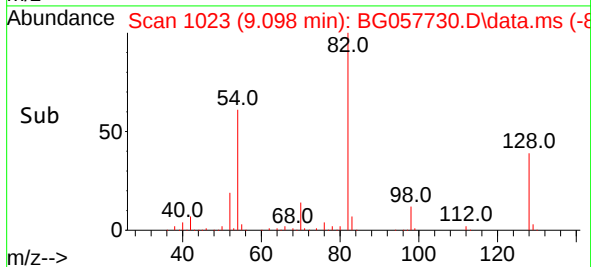
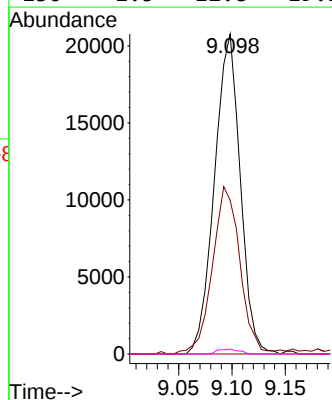
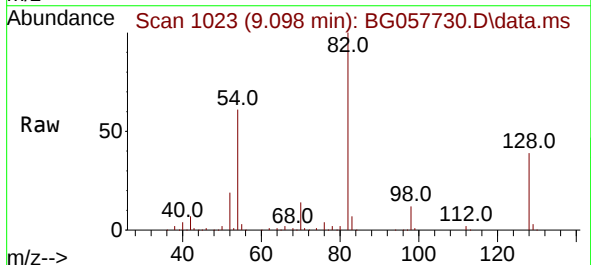
Instrument :
BNA_G
ClientSampleId :
SOIL-001

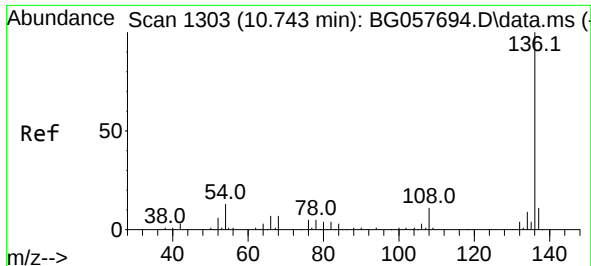
Tgt Ion: 99 Resp: 389310
Ion Ratio Lower Upper
99 100
42 20.0 18.3 27.5
71 32.2 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.618 ng
RT: 9.098 min Scan# 1023
Delta R.T. 0.351 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion: 70 Resp: 34862
Ion Ratio Lower Upper
70 100
42 48.1 56.6 84.8#
101 0.0 6.2 9.4#
130 1.5 12.8 19.2#

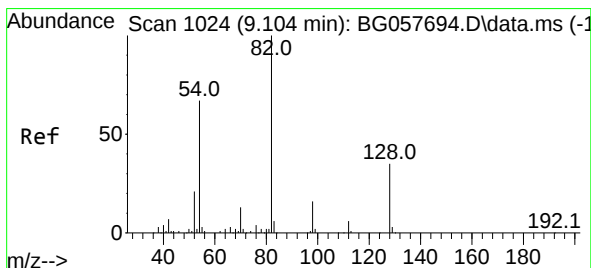
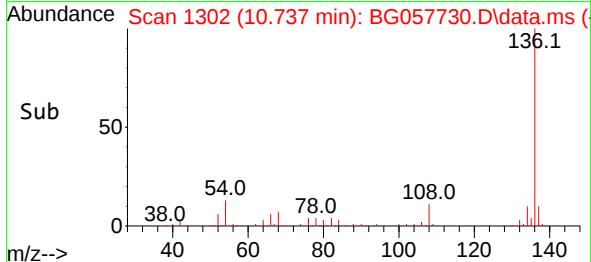
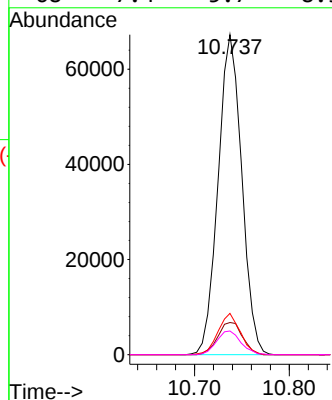
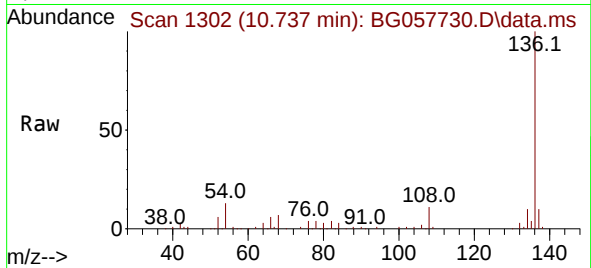




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

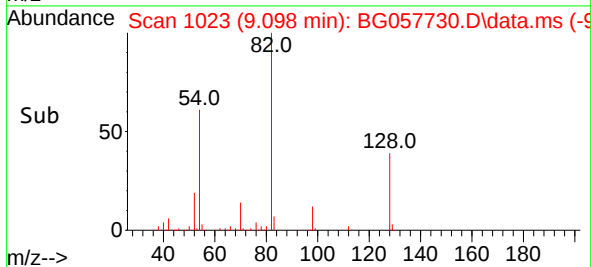
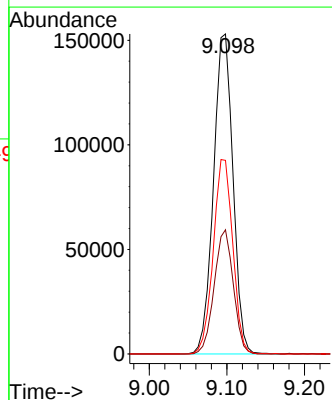
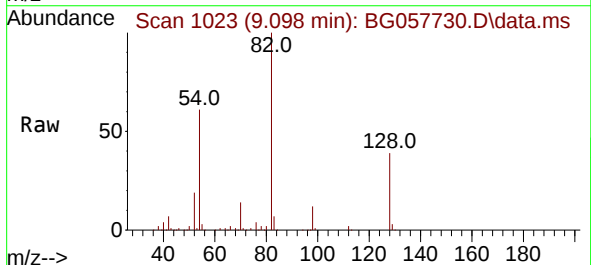
Instrument :
BNA_G
ClientSampleId :
SOIL-001

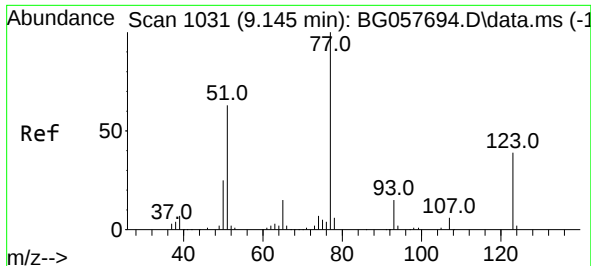
Tgt Ion:	136	Resp:	116608
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.6	13.0
54	12.9	10.8	16.2
68	7.4	5.7	8.5



#23
Nitrobenzene-d5
Concen: 132.627 ng
RT: 9.098 min Scan# 1023
Delta R.T. -0.001 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:	82	Resp:	267545
Ion Ratio	Lower	Upper	
82	100		
128	38.8	27.7	41.5
54	60.5	53.8	80.8

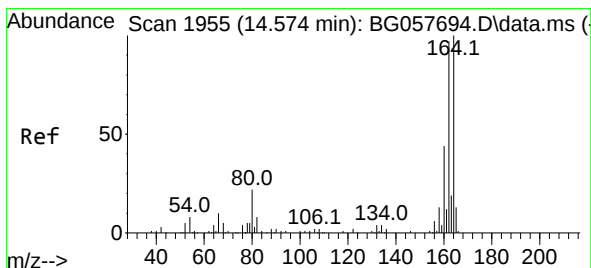
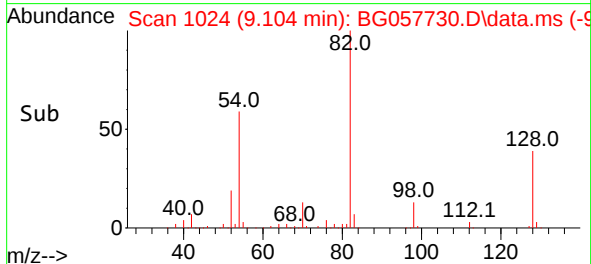
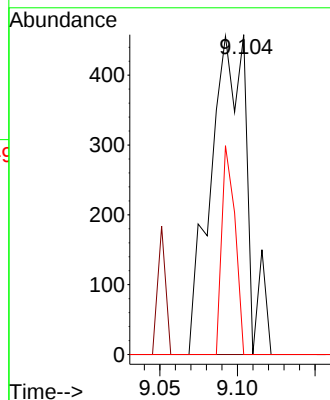
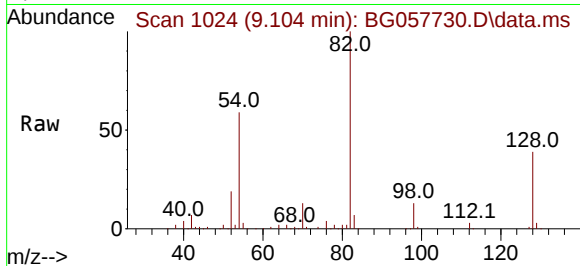




#24
Nitrobenzene
Concen: 5.395 ng
RT: 9.104 min Scan# 1024
Delta R.T. -0.043 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

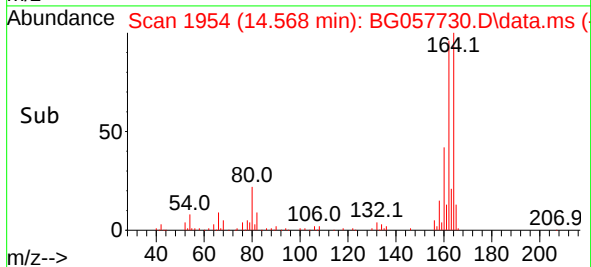
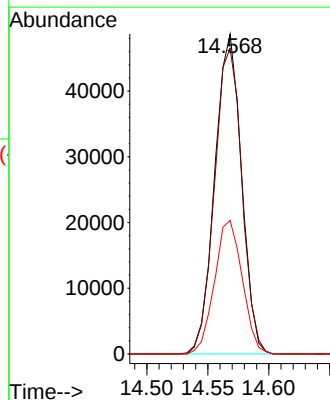
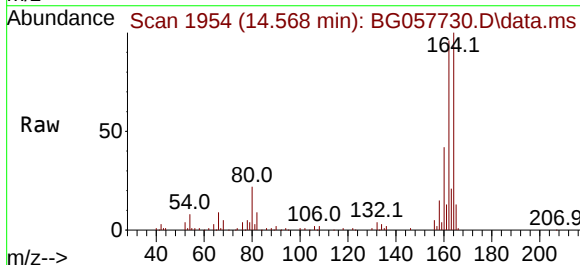
Instrument :
BNA_G
ClientSampleId :
SOIL-001

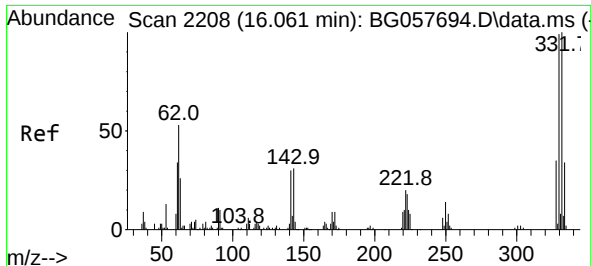
Tgt Ion: 77 Resp: 747
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.007 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:164 Resp: 73943
Ion Ratio Lower Upper
164 100
162 95.5 77.7 116.5
160 41.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 206.128 ng

RT: 16.055 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

Instrument :

BNA_G

ClientSampleId :

SOIL-001

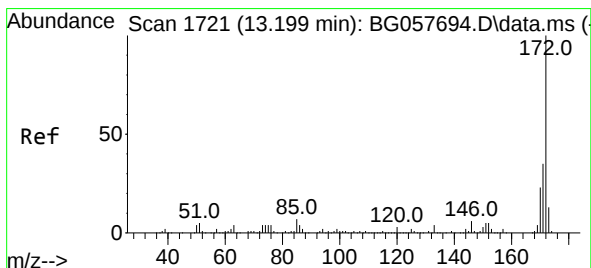
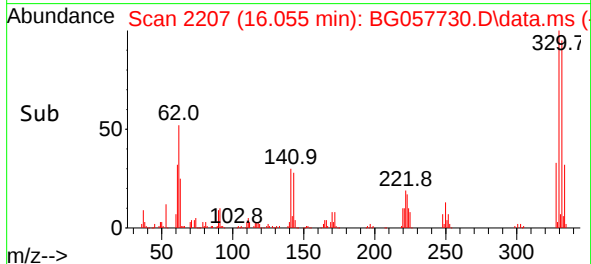
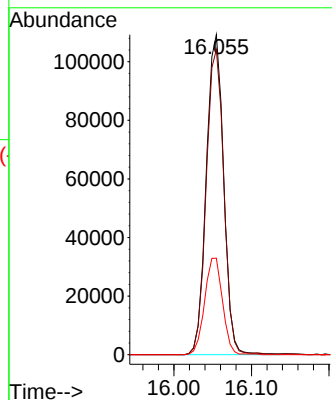
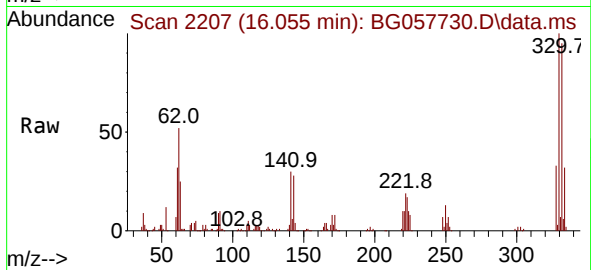
Tgt Ion:330 Resp: 170045

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.6

141 31.1 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 113.979 ng

RT: 13.193 min Scan# 1720

Delta R.T. -0.007 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

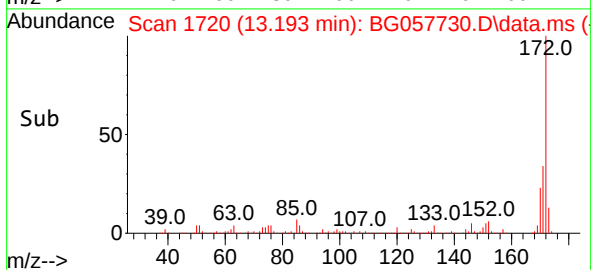
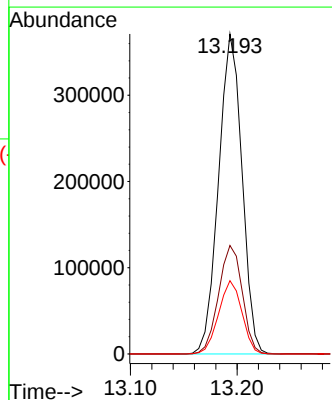
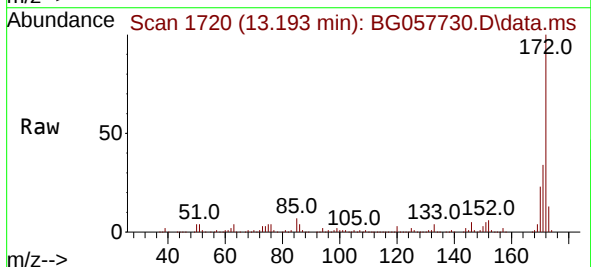
Tgt Ion:172 Resp: 565404

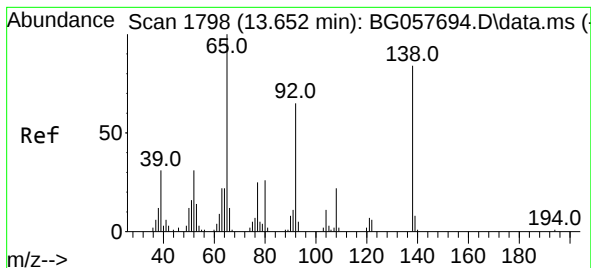
Ion Ratio Lower Upper

172 100

171 33.9 27.9 41.9

170 22.9 18.2 27.4





#48

2-Nitroaniline

Concen: 5.352 ng

RT: 13.193 min Scan# 1

Delta R.T. -0.460 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

Instrument :

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ClientSampleId :

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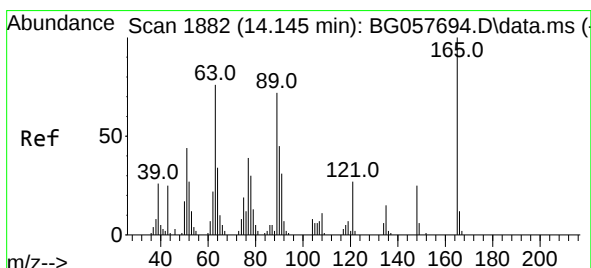
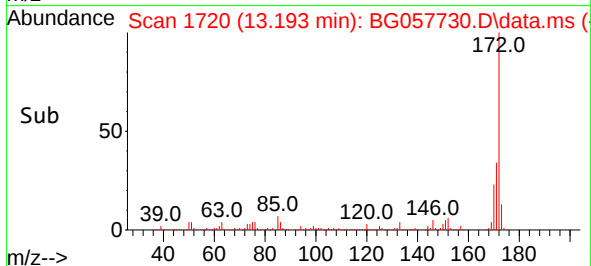
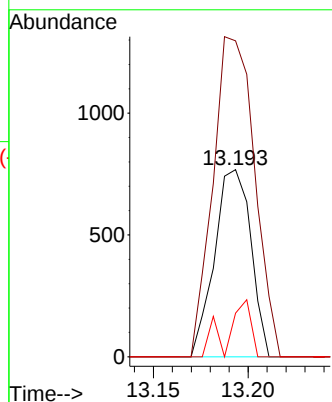
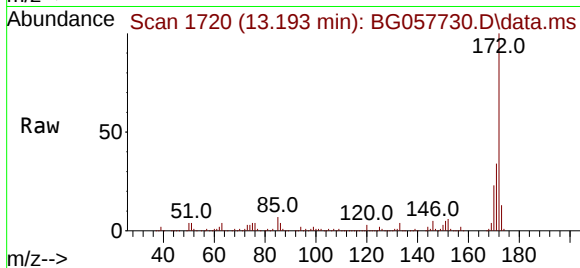
Tgt Ion: 65 Resp: 1025

Ion Ratio Lower Upper

65 100

92 168.9 52.2 78.4#

138 23.3 67.0 100.4#



#51

2,6-Dinitrotoluene

Concen: 17.765 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.422 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

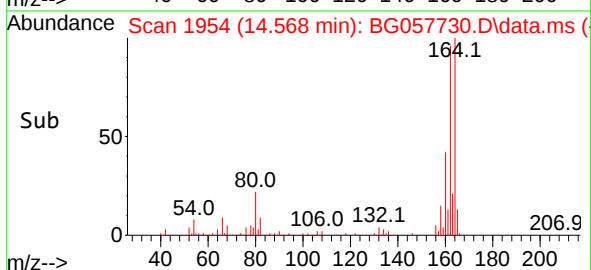
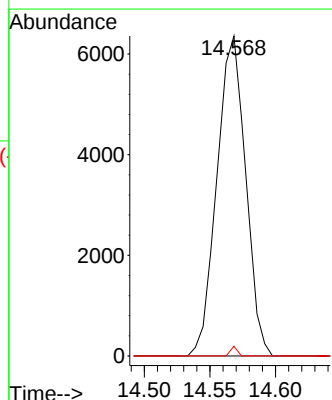
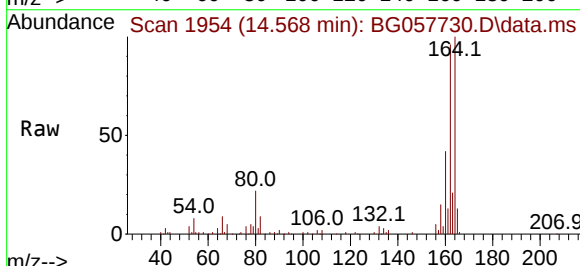
Tgt Ion:165 Resp: 9668

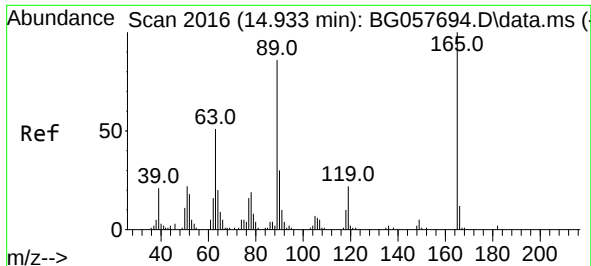
Ion Ratio Lower Upper

165 100

63 0.0 62.3 93.5#

89 3.0 57.4 86.0#

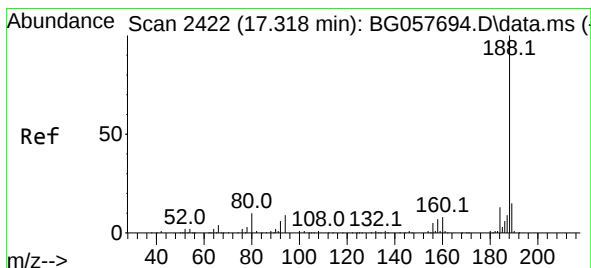
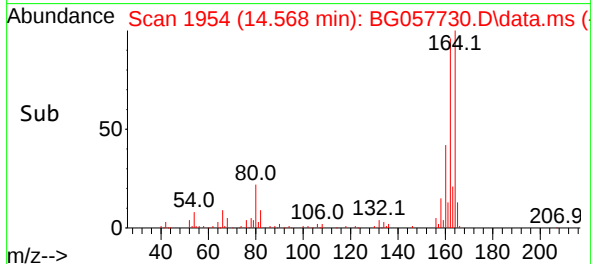
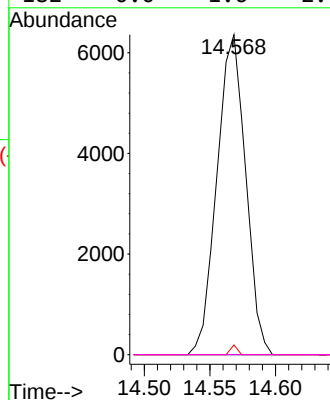
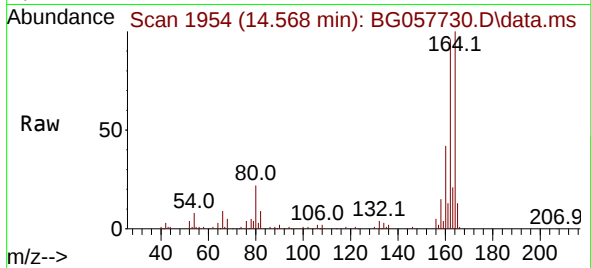




#57
2,4-Dinitrotoluene
Concen: 14.745 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.366 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

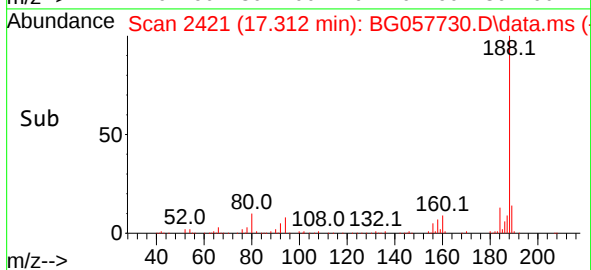
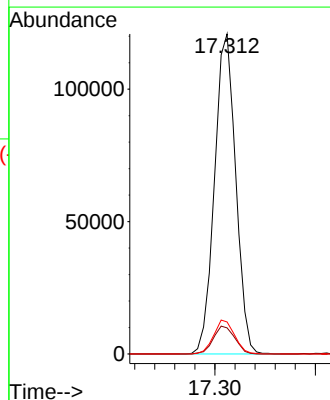
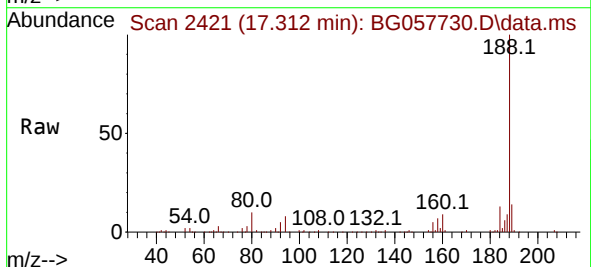
Instrument :
BNA_G
ClientSampleId :
SOIL-001

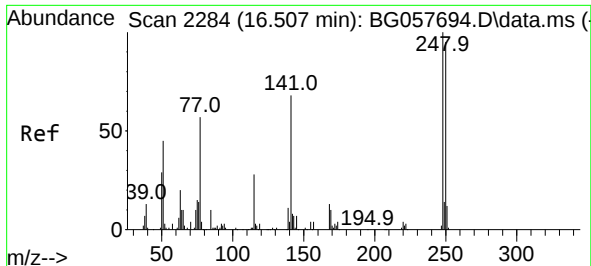
Tgt Ion:165 Resp: 9668
Ion Ratio Lower Upper
165 100
63 0.0 40.8 61.2#
89 3.0 68.5 102.7#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.007 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:188 Resp: 176819
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 10.0 8.2 12.4

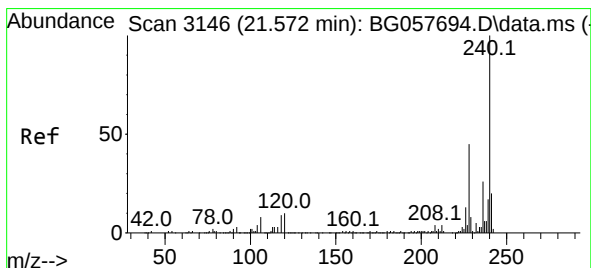
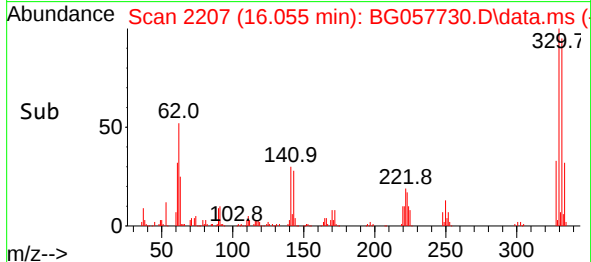
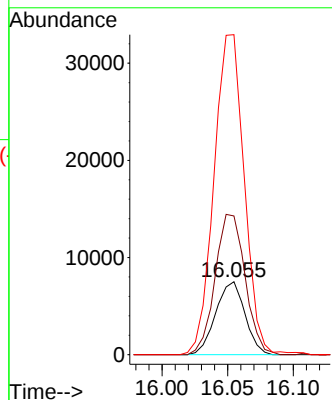
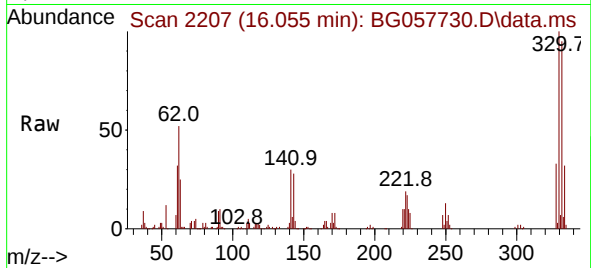




#67
4-Bromophenyl-phenylether
Concen: 6.448 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

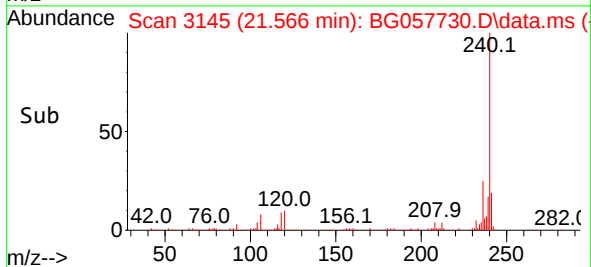
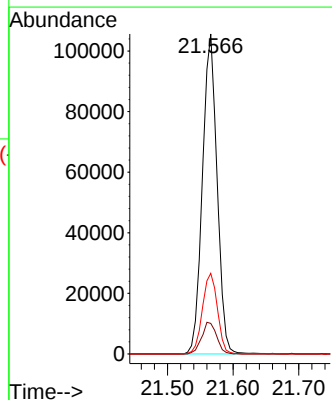
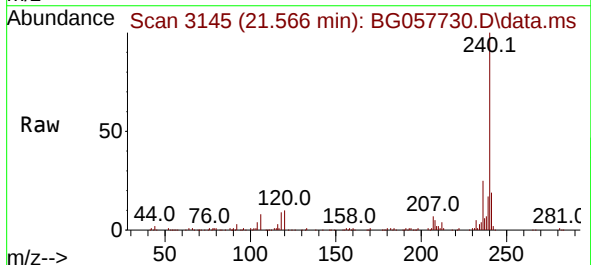
Instrument :
BNA_G
ClientSampleId :
SOIL-001

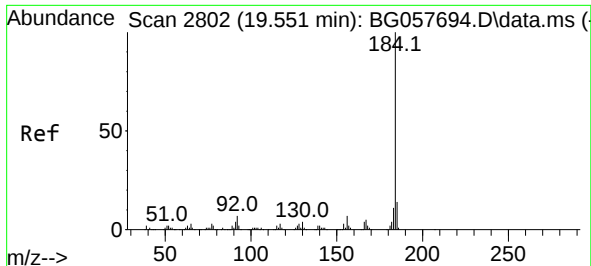
Tgt Ion:248 Resp: 11610
Ion Ratio Lower Upper
248 100
250 190.1 76.3 114.5#
141 438.7 54.6 82.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:240 Resp: 164224
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 25.2 20.7 31.1

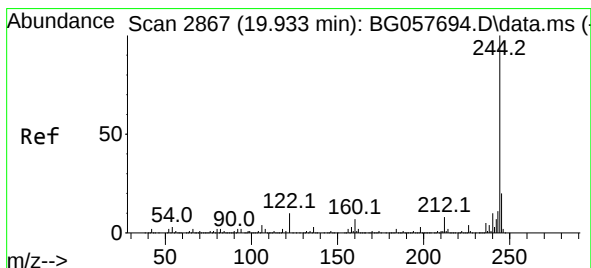
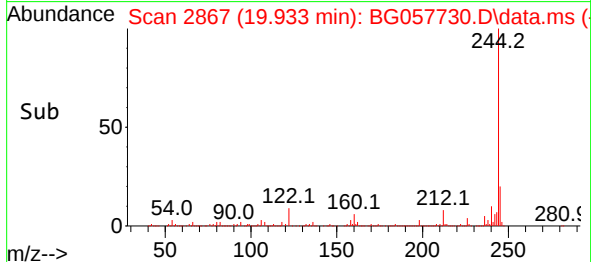
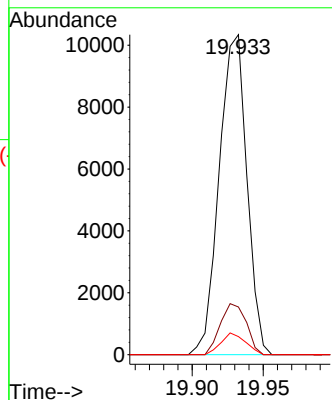
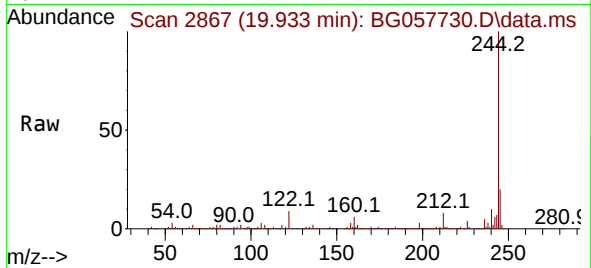




#77
Benzidine
Concen: 3.578 ng
RT: 19.933 min Scan# 2867
Delta R.T. 0.380 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

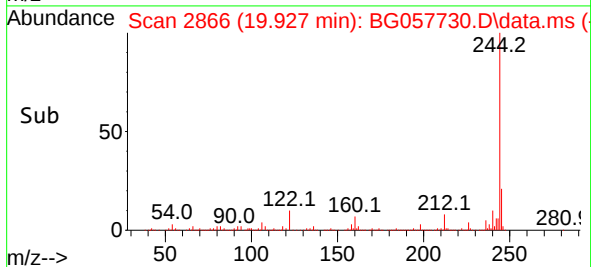
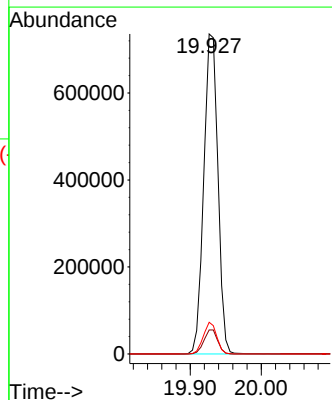
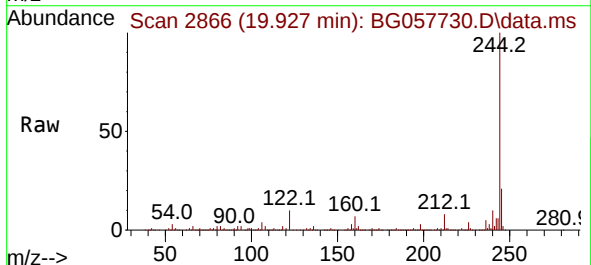
Instrument :
BNA_G
ClientSampleId :
SOIL-001

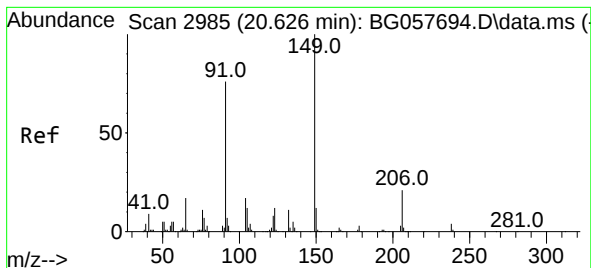
Tgt Ion:184 Resp: 14008
Ion Ratio Lower Upper
184 100
185 14.9 11.1 16.7
183 5.6 8.4 12.6#



#79
Terphenyl-d14
Concen: 114.841 ng
RT: 19.927 min Scan# 2866
Delta R.T. -0.007 min
Lab File: BG057730.D
Acq: 15 Jun 2023 18:52

Tgt Ion:244 Resp: 1020068
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 9.9 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.121 ng

RT: 20.626 min Scan# 2985

Delta R.T. -0.001 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

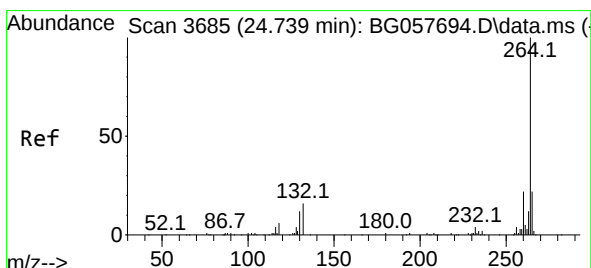
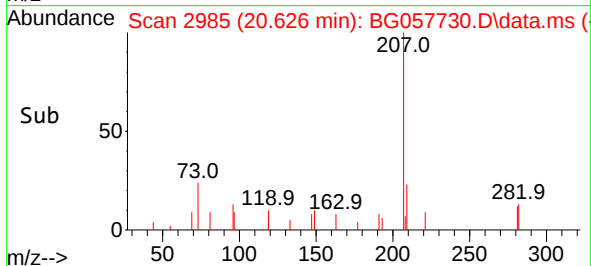
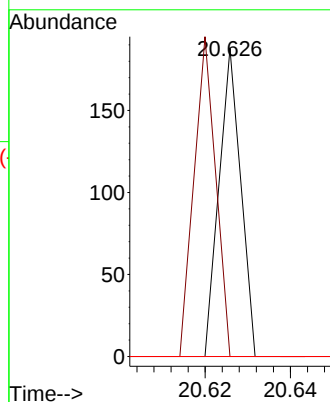
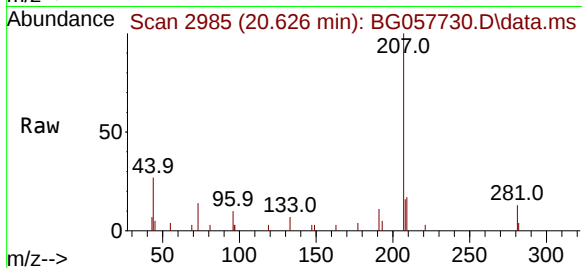
Instrument :

BNA_G

ClientSampleId :

SOIL-001

Tgt Ion:	149	Resp:	66
Ion	Ratio	Lower	Upper
149	100		
91	0.0	60.8	91.2#
206	0.0	16.8	25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.727 min Scan# 3683

Delta R.T. -0.007 min

Lab File: BG057730.D

Acq: 15 Jun 2023 18:52

Tgt Ion:	264	Resp:	193259
Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.3	25.9
265	21.7	17.5	26.3

