

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057501.D
 Acq On : 22 May 2023 20:03
 Operator : CG/JU
 Sample : 02864-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-BIN

Quant Time: May 23 04:07:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	21012	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	77931	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	55616	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	145064	20.000	ng	0.00
76) Chrysene-d12	22.013	240	138410	20.000	ng	0.00
86) Perylene-d12	25.508	264	146880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	136194	110.877	ng	0.00
7) Phenol-d6	7.497	99	179124	96.031	ng	0.00
23) Nitrobenzene-d5	9.536	82	137009	73.788	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	106194	134.571	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	329902	79.889	ng	0.00
79) Terphenyl-d14	20.280	244	723206	85.269	ng	0.00

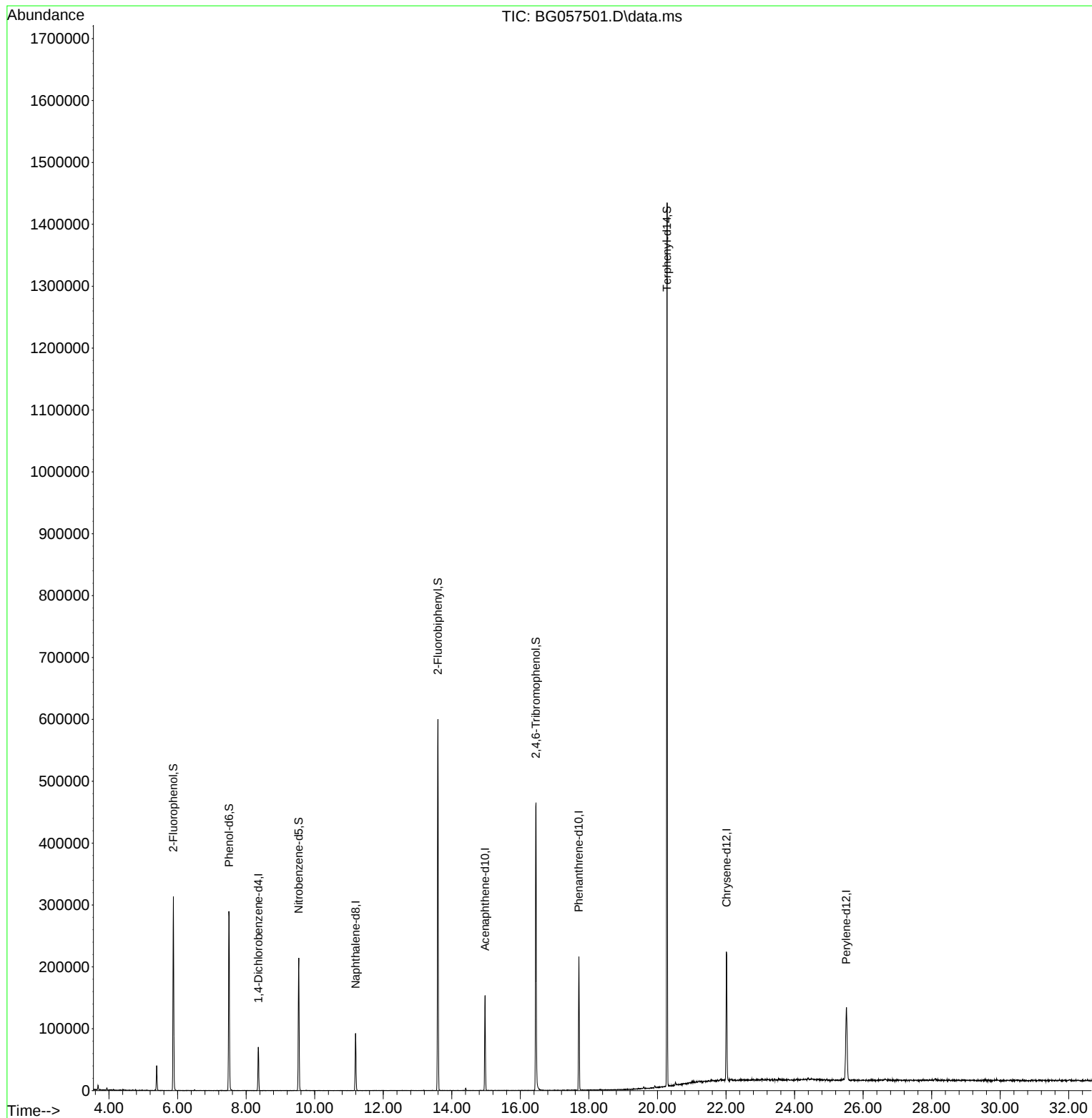
Target Compounds	Qvalue

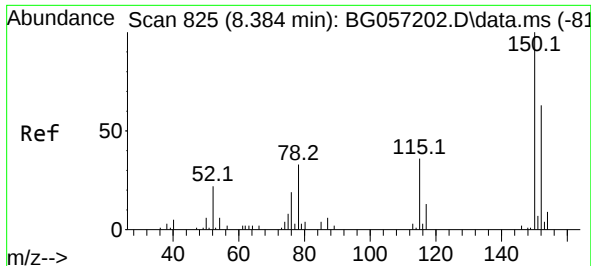
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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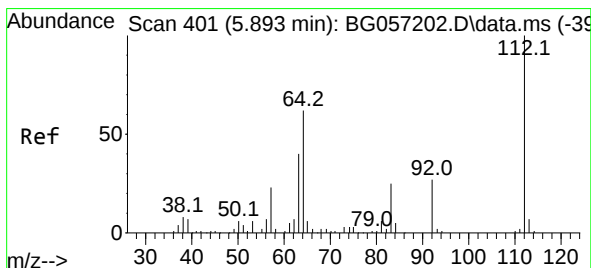
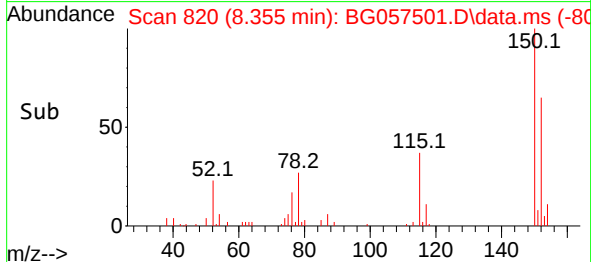
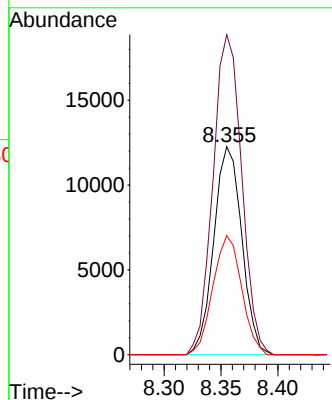
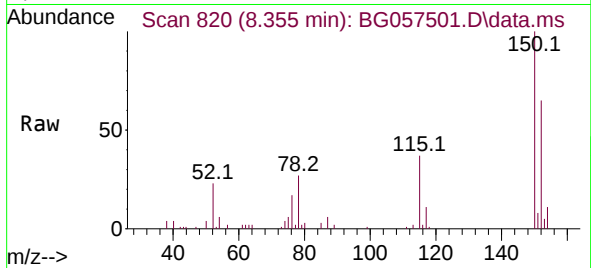




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

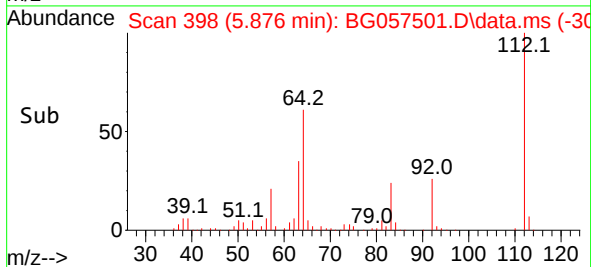
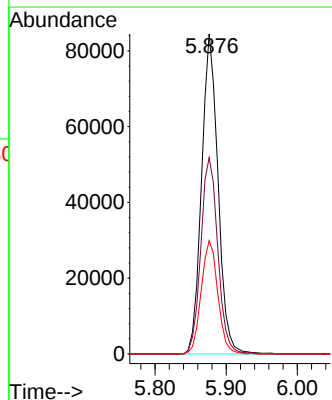
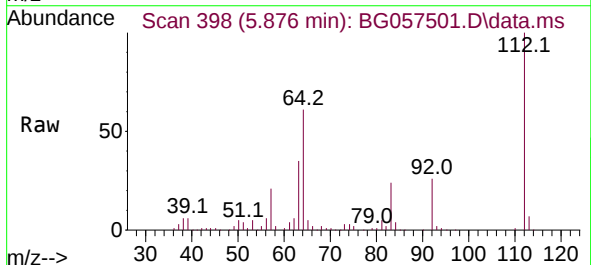
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

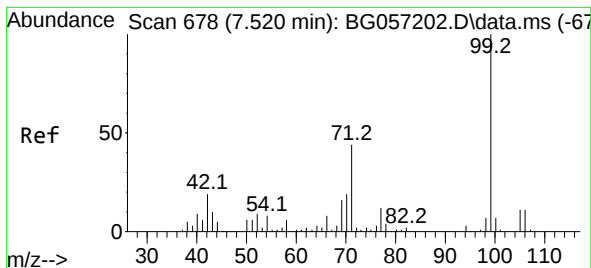
Tgt Ion:152 Resp: 21012
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.4
115 57.3 45.0 67.4



#5
2-Fluorophenol
Concen: 110.877 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

Tgt Ion:112 Resp: 136194
Ion Ratio Lower Upper
112 100
64 61.4 49.4 74.2
63 35.4 31.6 47.4





#7

Phenol-d6

Concen: 96.031 ng

RT: 7.497 min Scan# 61

Delta R.T. -0.001 min

Lab File: BG057501.D

Acq: 22 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

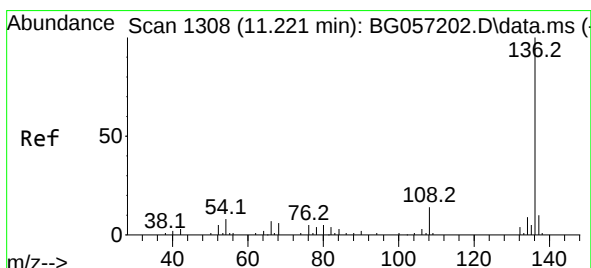
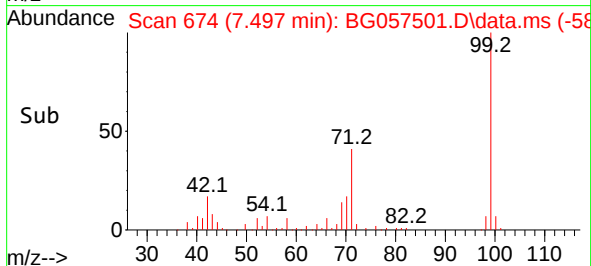
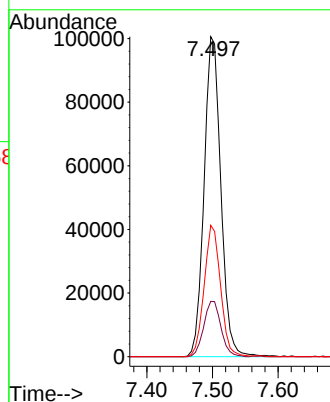
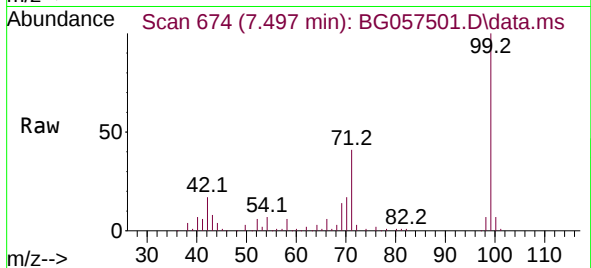
Tgt Ion: 99 Resp: 179124

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

71 41.0 35.2 52.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.192 min Scan# 1303

Delta R.T. -0.007 min

Lab File: BG057501.D

Acq: 22 May 2023 20:03

Tgt Ion: 136 Resp: 77931

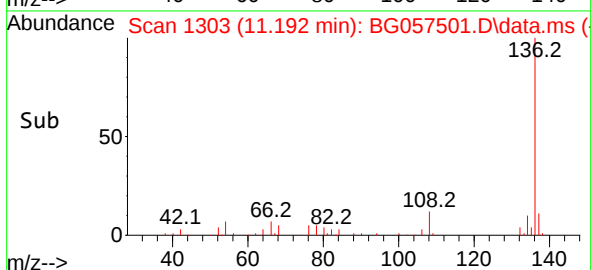
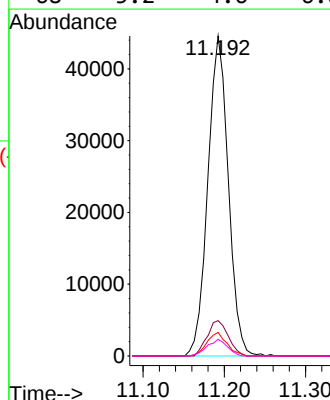
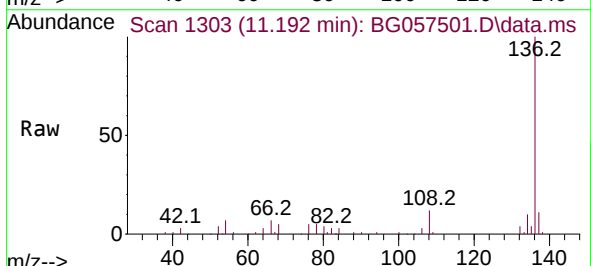
Ion Ratio Lower Upper

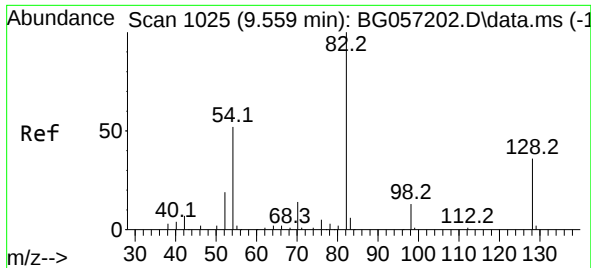
136 100

137 11.1 8.3 12.5

54 7.3 6.7 10.1

68 5.2 4.6 6.8

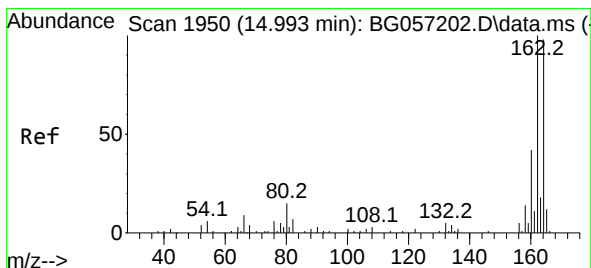
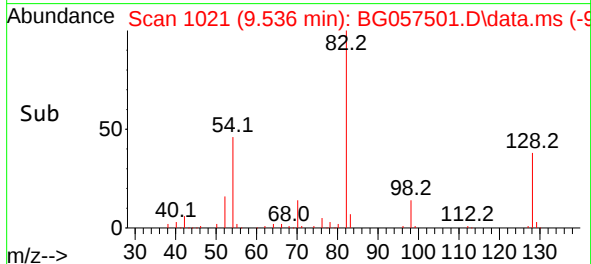
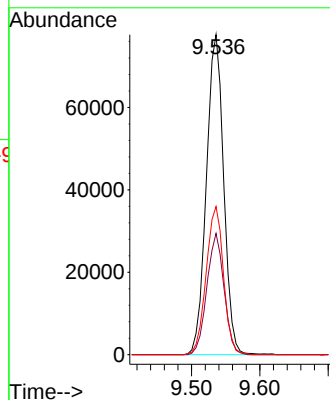
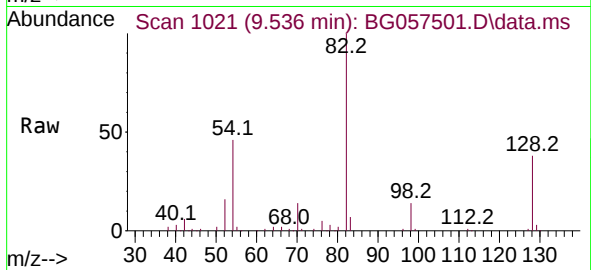




#23
Nitrobenzene-d5
Concen: 73.788 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

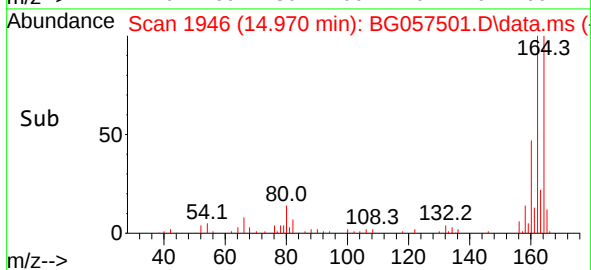
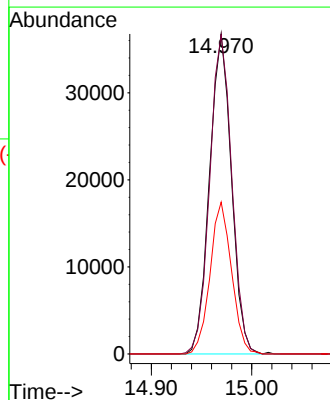
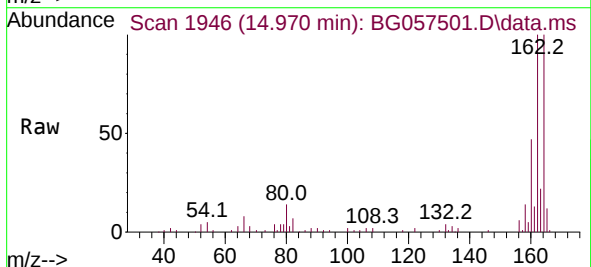
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

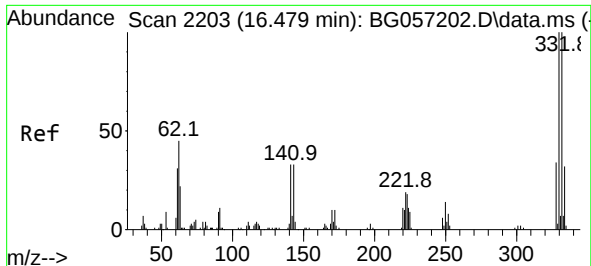
Tgt Ion: 82 Resp: 137009
Ion Ratio Lower Upper
82 100
128 37.9 29.0 43.4
54 46.3 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

Tgt Ion:164 Resp: 55616
Ion Ratio Lower Upper
164 100
162 99.8 81.8 122.6
160 47.5 34.6 52.0

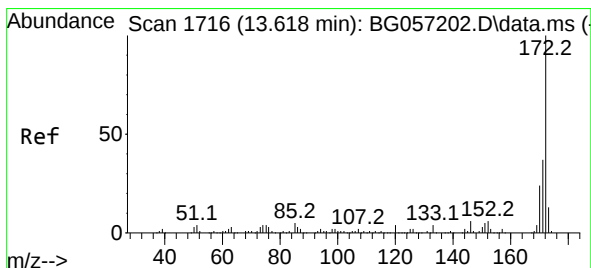
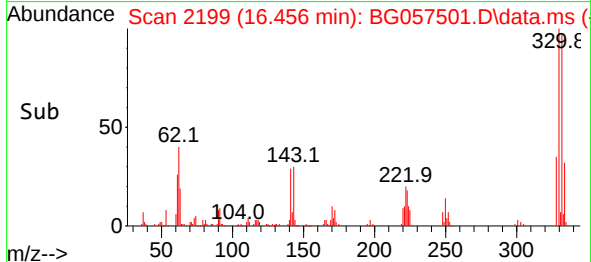
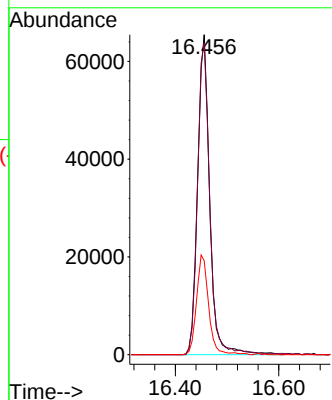
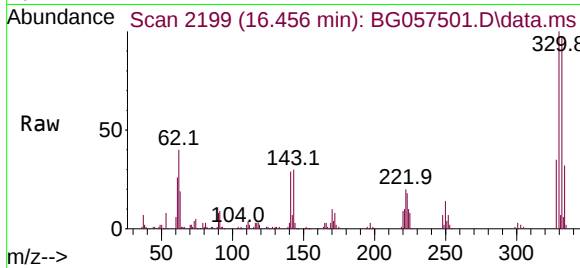




#42
2,4,6-Tribromophenol
Concen: 134.571 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

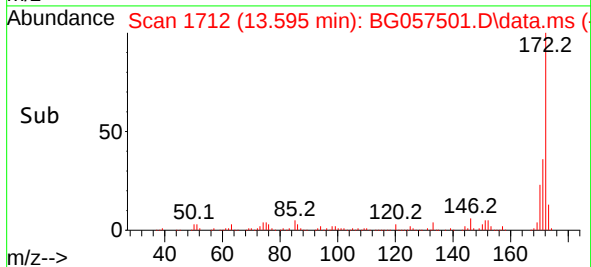
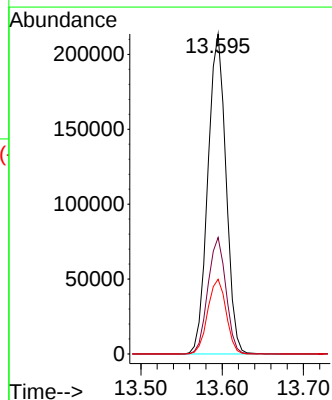
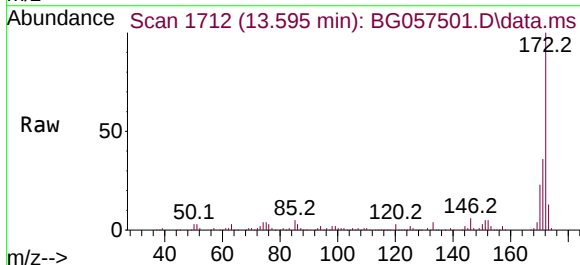
Instrument :
BNA_G
ClientSampleId :
SOIL-BIN

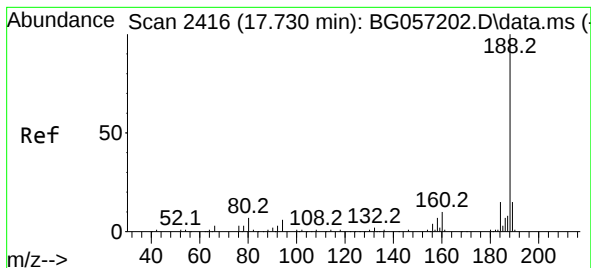
Tgt Ion:330 Resp: 106194
Ion Ratio Lower Upper
330 100
332 98.7 78.2 117.2
141 31.3 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 79.889 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057501.D
Acq: 22 May 2023 20:03

Tgt Ion:172 Resp: 329902
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2416

Delta R.T. -0.007 min

Lab File: BG057501.D

Acq: 22 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

SOIL-BIN

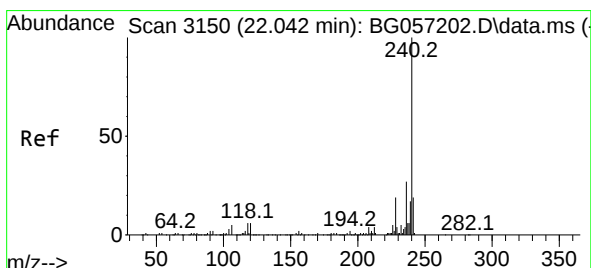
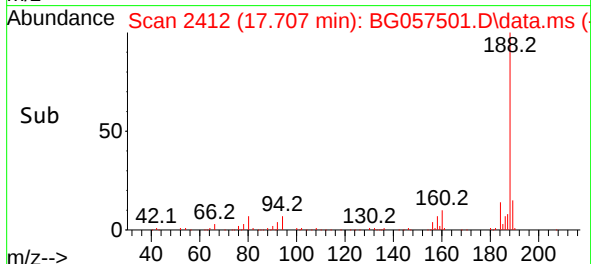
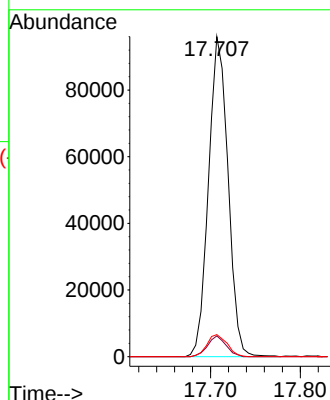
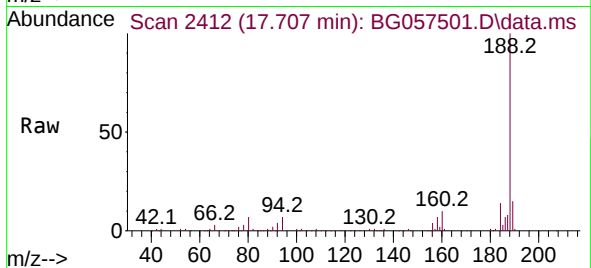
Tgt Ion:188 Resp: 145064

Ion Ratio Lower Upper

188 100

94 6.5 5.1 7.7

80 6.9 5.7 8.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 3145

Delta R.T. -0.007 min

Lab File: BG057501.D

Acq: 22 May 2023 20:03

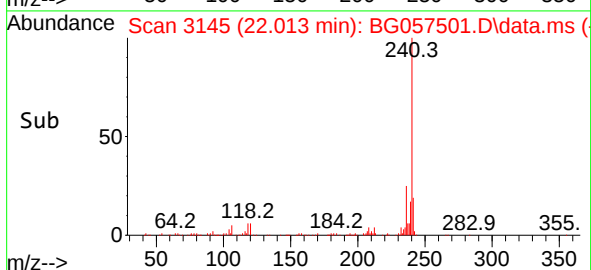
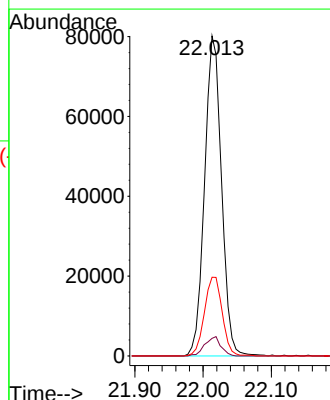
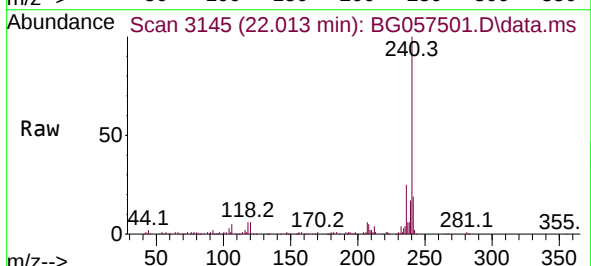
Tgt Ion:240 Resp: 138410

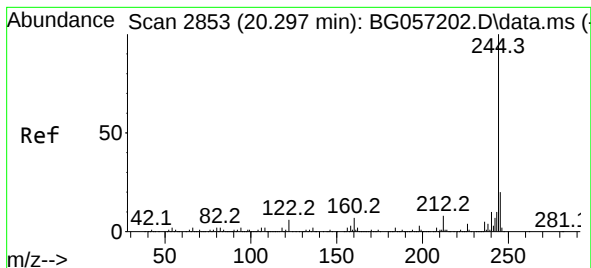
Ion Ratio Lower Upper

240 100

120 5.5 4.9 7.3

236 24.6 21.4 32.2





#79

Terphenyl-d14

Concen: 85.269 ng

RT: 20.280 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG057501.D

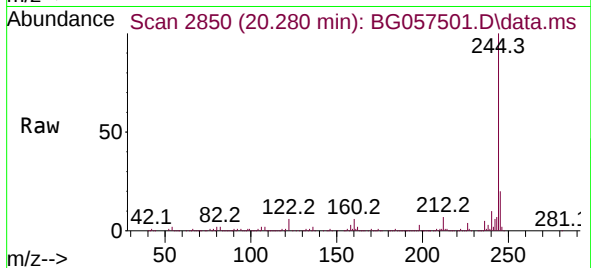
Acq: 22 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

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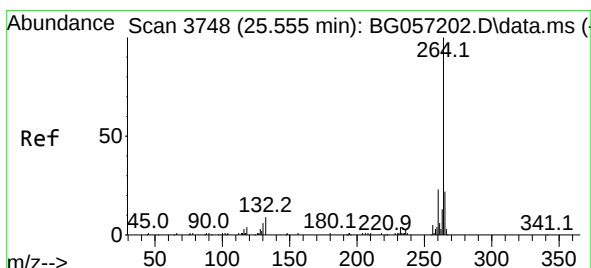
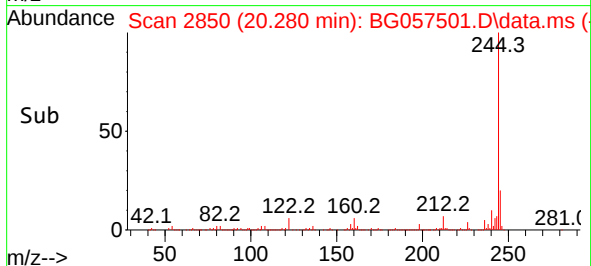
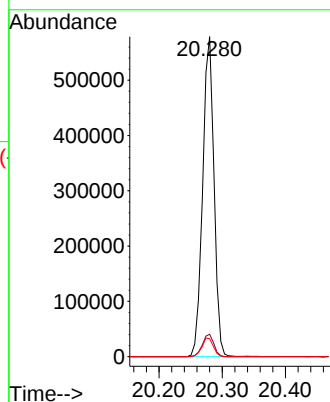
Tgt Ion:244 Resp: 723206

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 5.6 5.1 7.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.508 min Scan# 3740

Delta R.T. -0.007 min

Lab File: BG057501.D

Acq: 22 May 2023 20:03

Tgt Ion:264 Resp: 146880

Ion Ratio Lower Upper

264 100

260 22.1 18.8 28.2

265 22.1 17.9 26.9

