

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060086.D
 Acq On : 19 Dec 2023 15:26
 Operator : MA/JU
 Sample : 05884-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-3

Quant Time: Dec 19 16:15:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	48520	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	187512	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	182845	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	580469	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	603341	20.000	ng	# 0.00
86) Perylene-d12	24.801	264	653526	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	381857	134.724	ng	0.00
7) Phenol-d6	7.110	99	494317	123.983	ng	0.00
23) Nitrobenzene-d5	9.113	82	363345	87.988	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	716239	168.086	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1318021	88.223	ng	0.00
79) Terphenyl-d14	19.965	244	3487569	105.534	ng	0.00

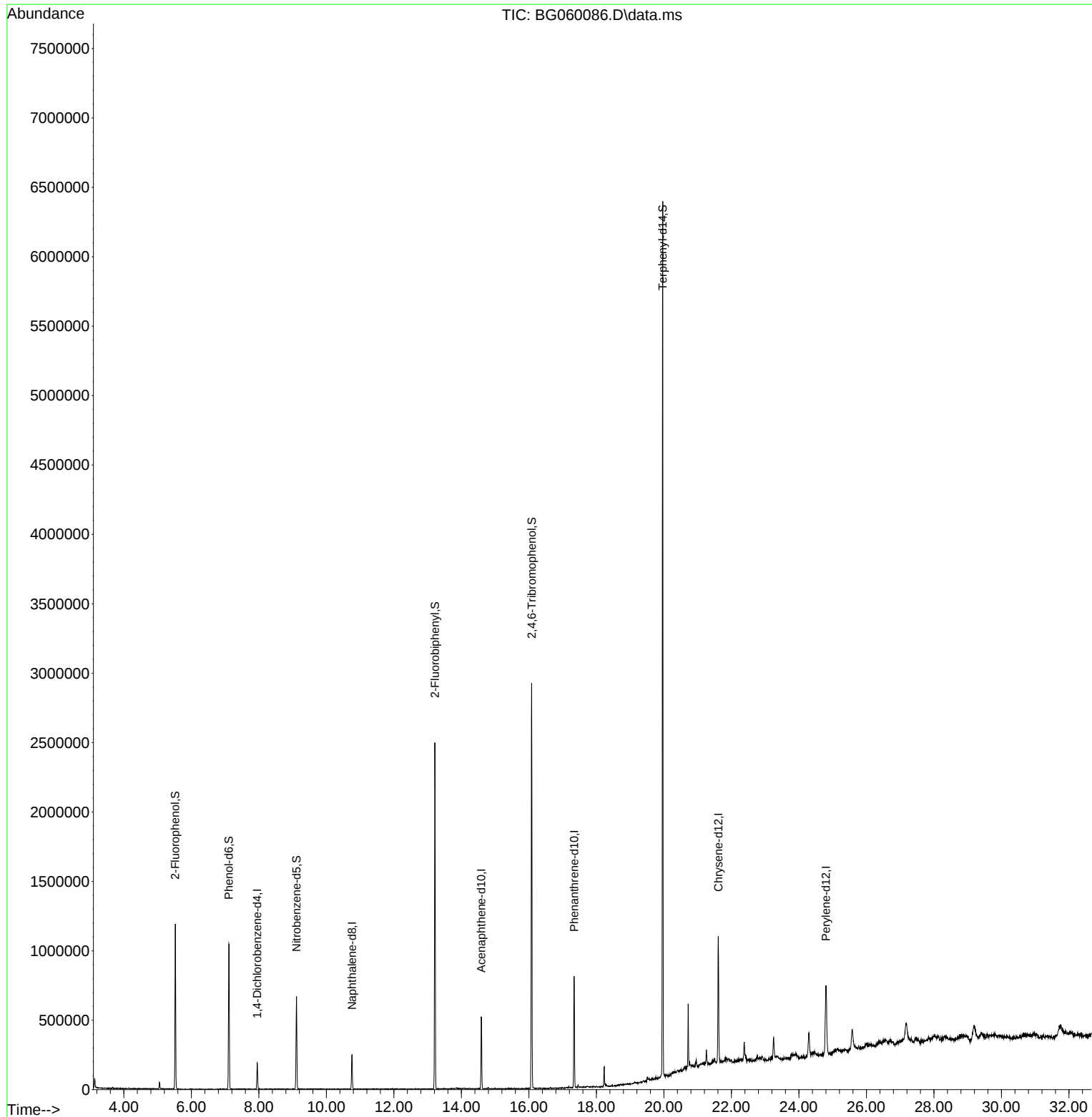
Target Compounds	Qvalue

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

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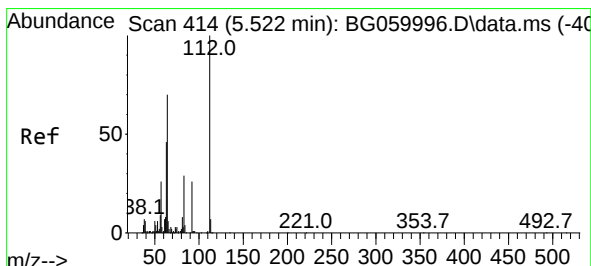
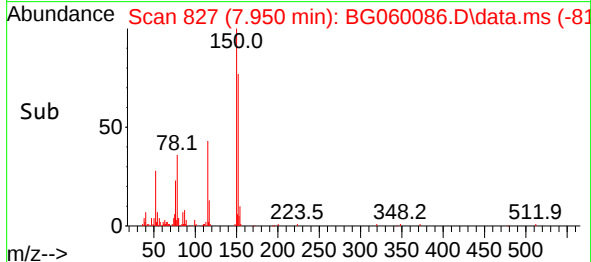
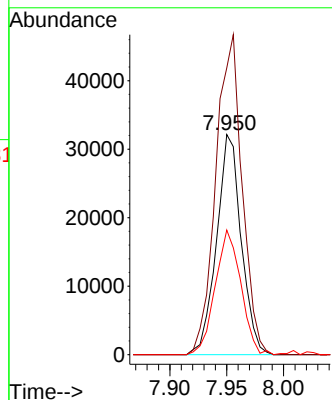
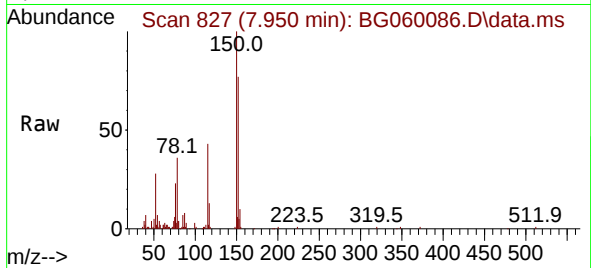




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.950 min Scan# 81
 Delta R.T. -0.009 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

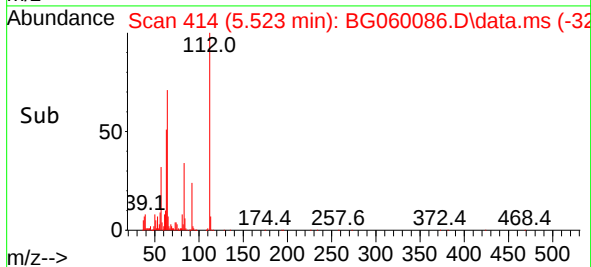
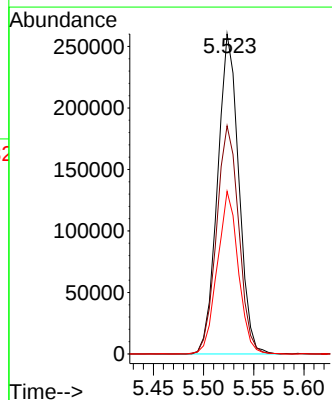
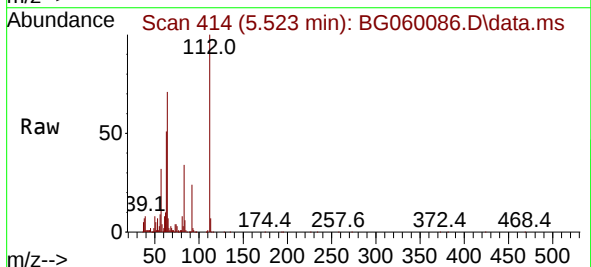
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-COMP-3

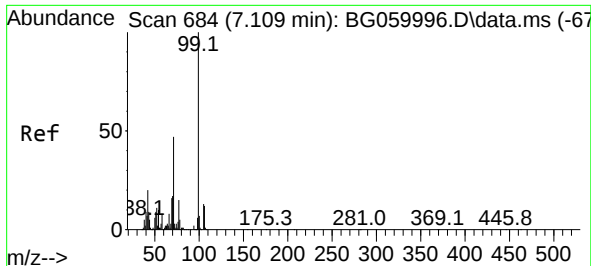
Tgt Ion:152 Resp: 48520
 Ion Ratio Lower Upper
 152 100
 150 130.2 127.0 190.6
 115 56.6 45.7 68.5



#5
 2-Fluorophenol
 Concen: 134.724 ng
 RT: 5.523 min Scan# 414
 Delta R.T. -0.003 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

Tgt Ion:112 Resp: 381857
 Ion Ratio Lower Upper
 112 100
 64 71.3 55.9 83.9
 63 50.8 36.5 54.7

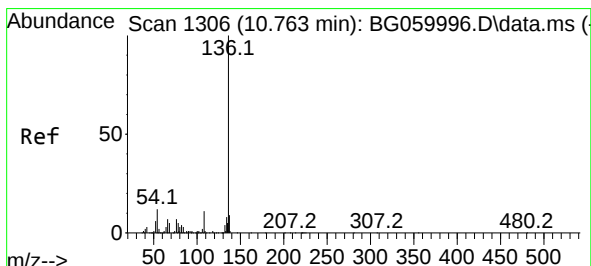
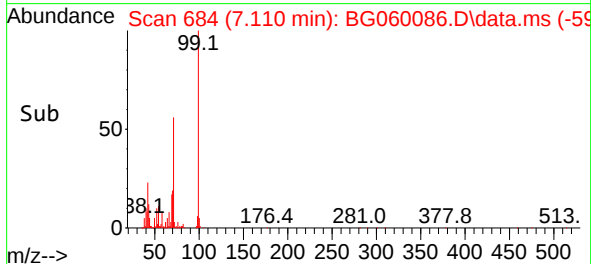
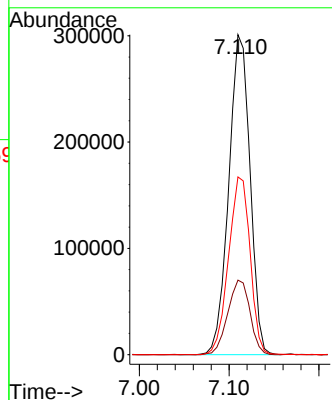
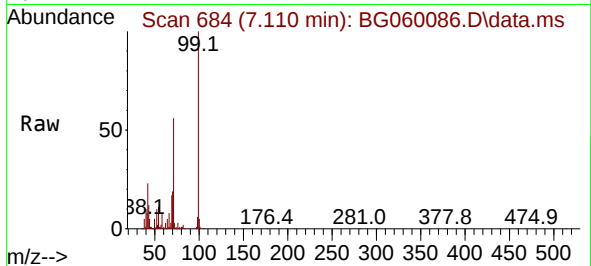




#7
Phenol-d6
Concen: 123.983 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

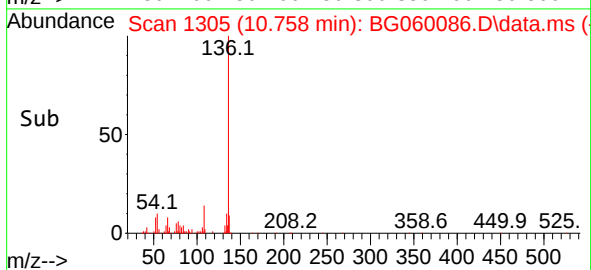
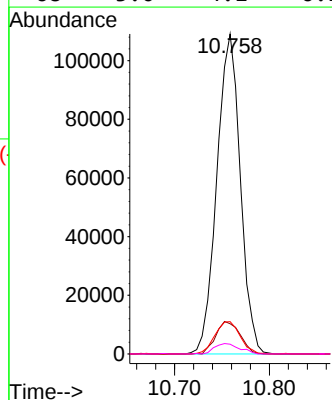
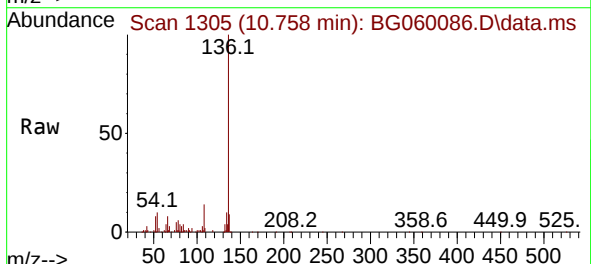
Instrument :
BNA_G
ClientSampleId :
SOIL-COMP-3

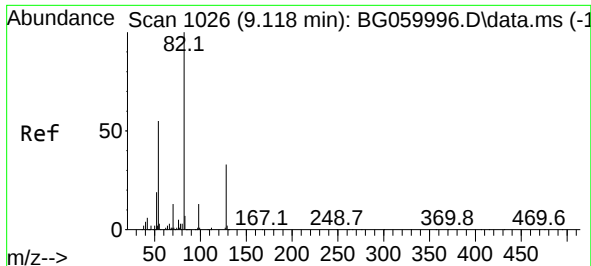
Tgt Ion: 99 Resp: 494317
Ion Ratio Lower Upper
99 100
42 23.3 16.2 24.4
71 55.5 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.003 min
Lab File: BG060086.D
Acq: 19 Dec 2023 15:26

Tgt Ion:136 Resp: 187512
Ion Ratio Lower Upper
136 100
137 9.5 7.3 10.9
54 10.1 9.6 14.4
68 3.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 87.988 ng

RT: 9.113 min Scan# 1025

Delta R.T. -0.009 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-3

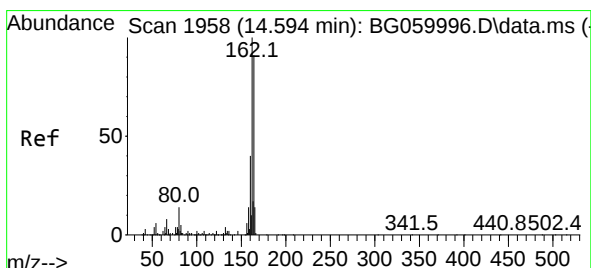
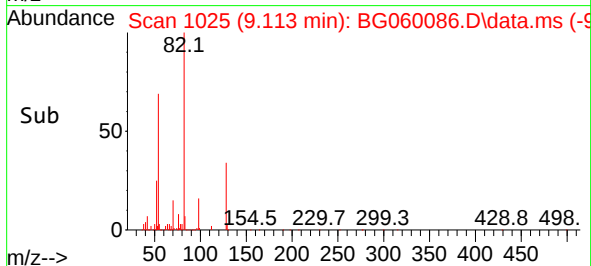
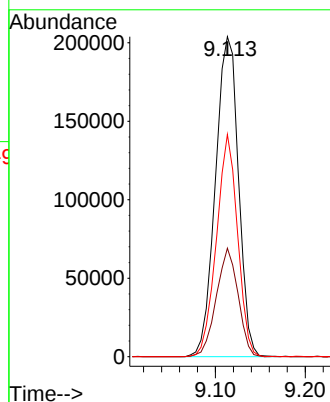
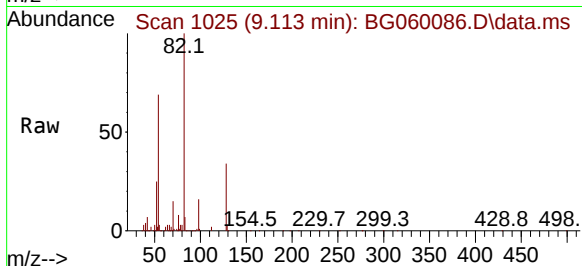
Tgt Ion: 82 Resp: 363345

Ion Ratio Lower Upper

82 100

128 33.9 26.3 39.5

54 69.4 44.3 66.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.589 min Scan# 1957

Delta R.T. -0.009 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

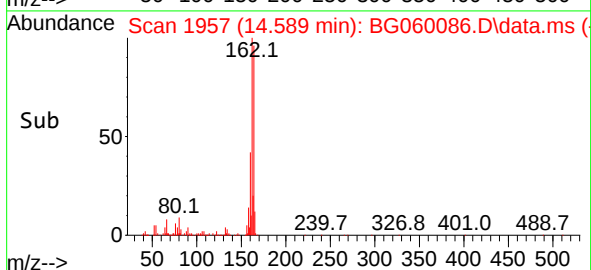
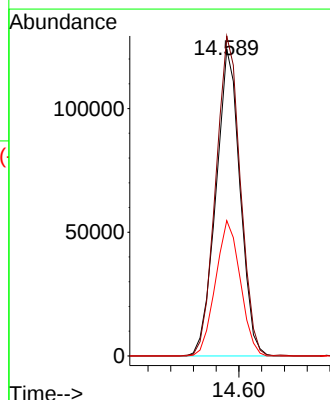
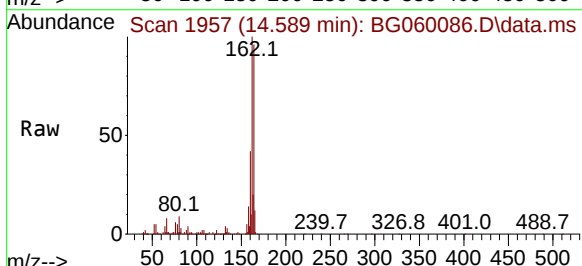
Tgt Ion:164 Resp: 182845

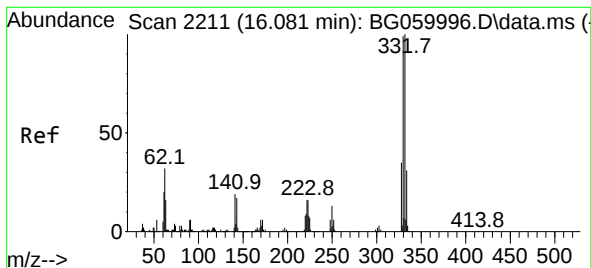
Ion Ratio Lower Upper

164 100

162 104.3 88.1 132.1

160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 168.086 ng

RT: 16.082 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

Instrument :

BNA_G

ClientSampleId :

SOIL-COMP-3

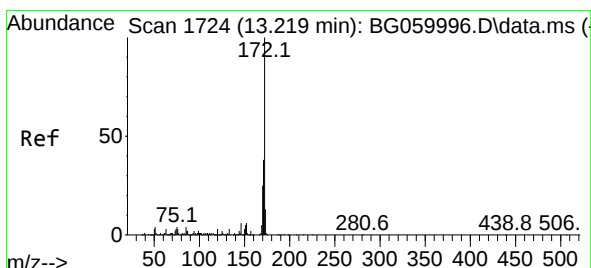
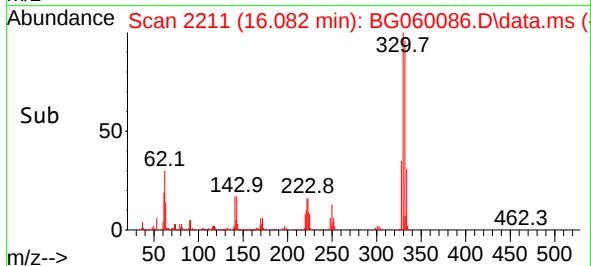
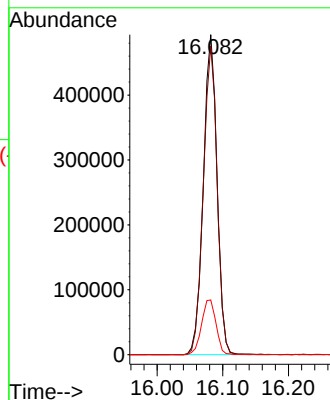
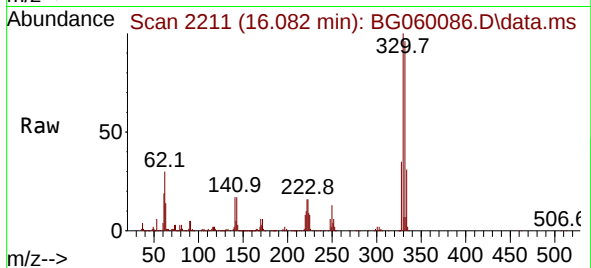
Tgt Ion:330 Resp: 716239

Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.4

141 18.1 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 88.223 ng

RT: 13.214 min Scan# 1723

Delta R.T. -0.003 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

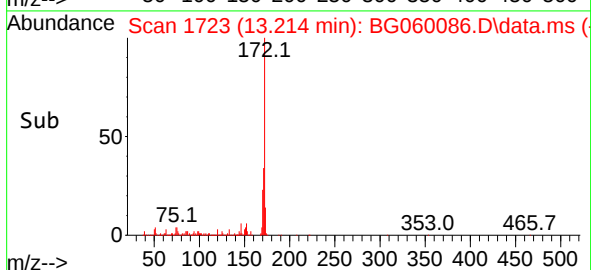
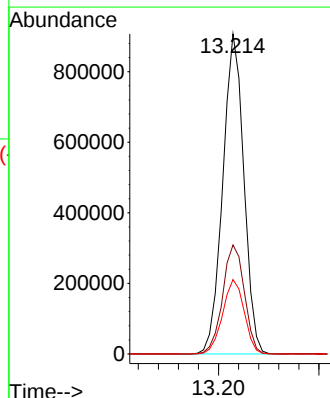
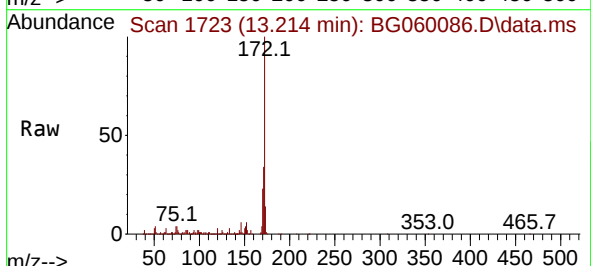
Tgt Ion:172 Resp: 1318021

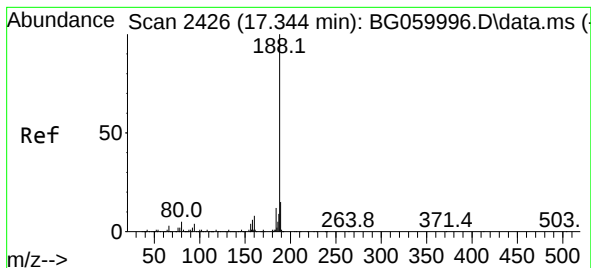
Ion Ratio Lower Upper

172 100

171 34.1 30.1 45.1

170 23.2 20.0 30.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.009 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

Instrument :

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ClientSampleId :

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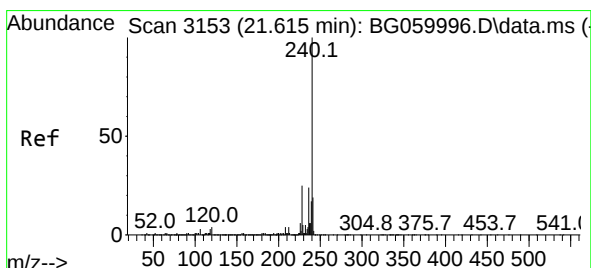
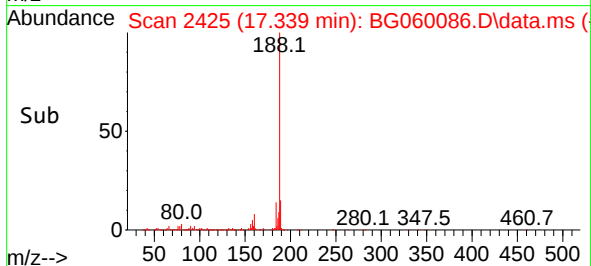
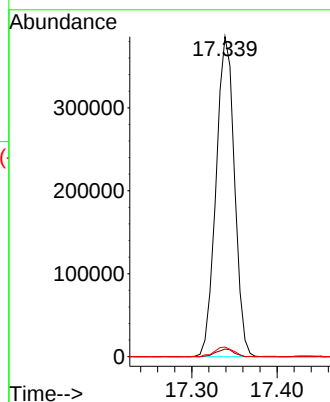
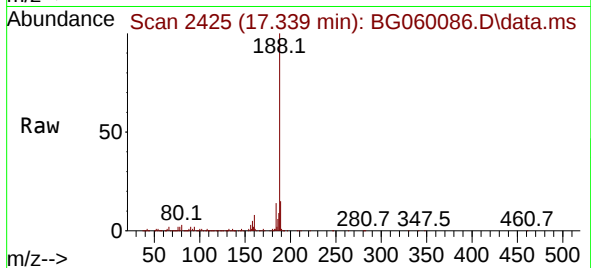
Tgt Ion:188 Resp: 580469

Ion Ratio Lower Upper

188 100

94 2.4 3.0 4.6#

80 3.0 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.009 min

Lab File: BG060086.D

Acq: 19 Dec 2023 15:26

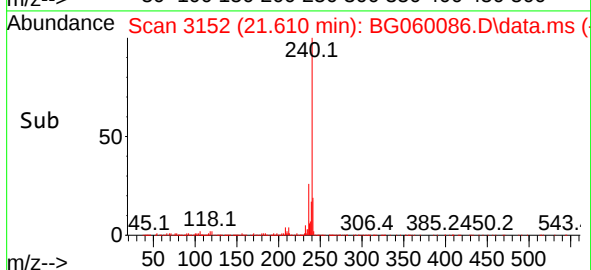
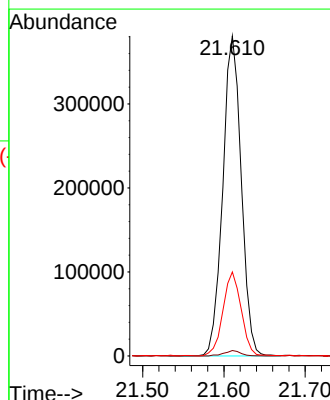
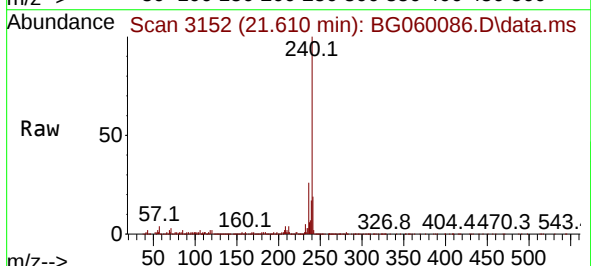
Tgt Ion:240 Resp: 603341

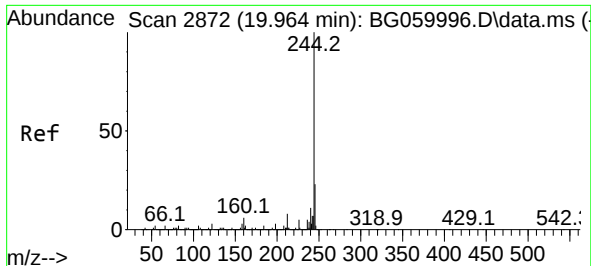
Ion Ratio Lower Upper

240 100

120 1.7 2.9 4.3#

236 26.2 19.4 29.2

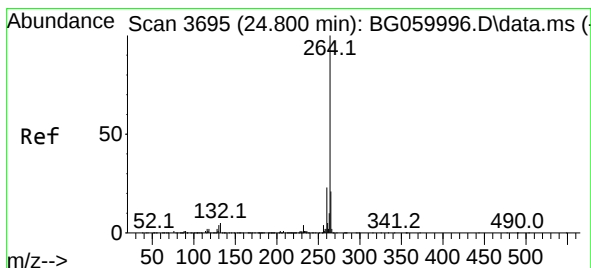
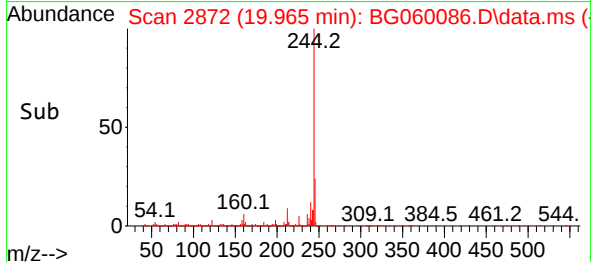
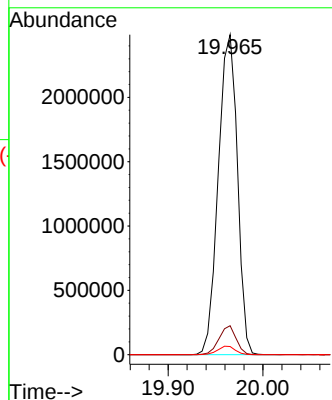
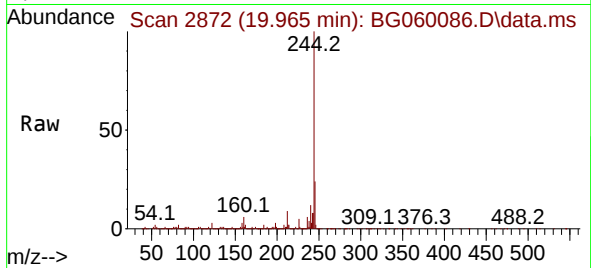




#79
 Terphenyl-d14
 Concen: 105.534 ng
 RT: 19.965 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

Instrument :
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 ClientSampleId :
 SOIL-COMP-3

Tgt Ion:244 Resp: 3487569
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.8 10.2
 122 2.6 2.6 3.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.801 min Scan# 3695
 Delta R.T. -0.015 min
 Lab File: BG060086.D
 Acq: 19 Dec 2023 15:26

Tgt Ion:264 Resp: 653526
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.5 27.7
 265 22.2 17.3 25.9

