

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039265.D
 Acq On : 31 Mar 2023 22:27
 Operator : CG/JU
 Sample : 02070-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILPILE-2-0323

Quant Time: Apr 01 05:22:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

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

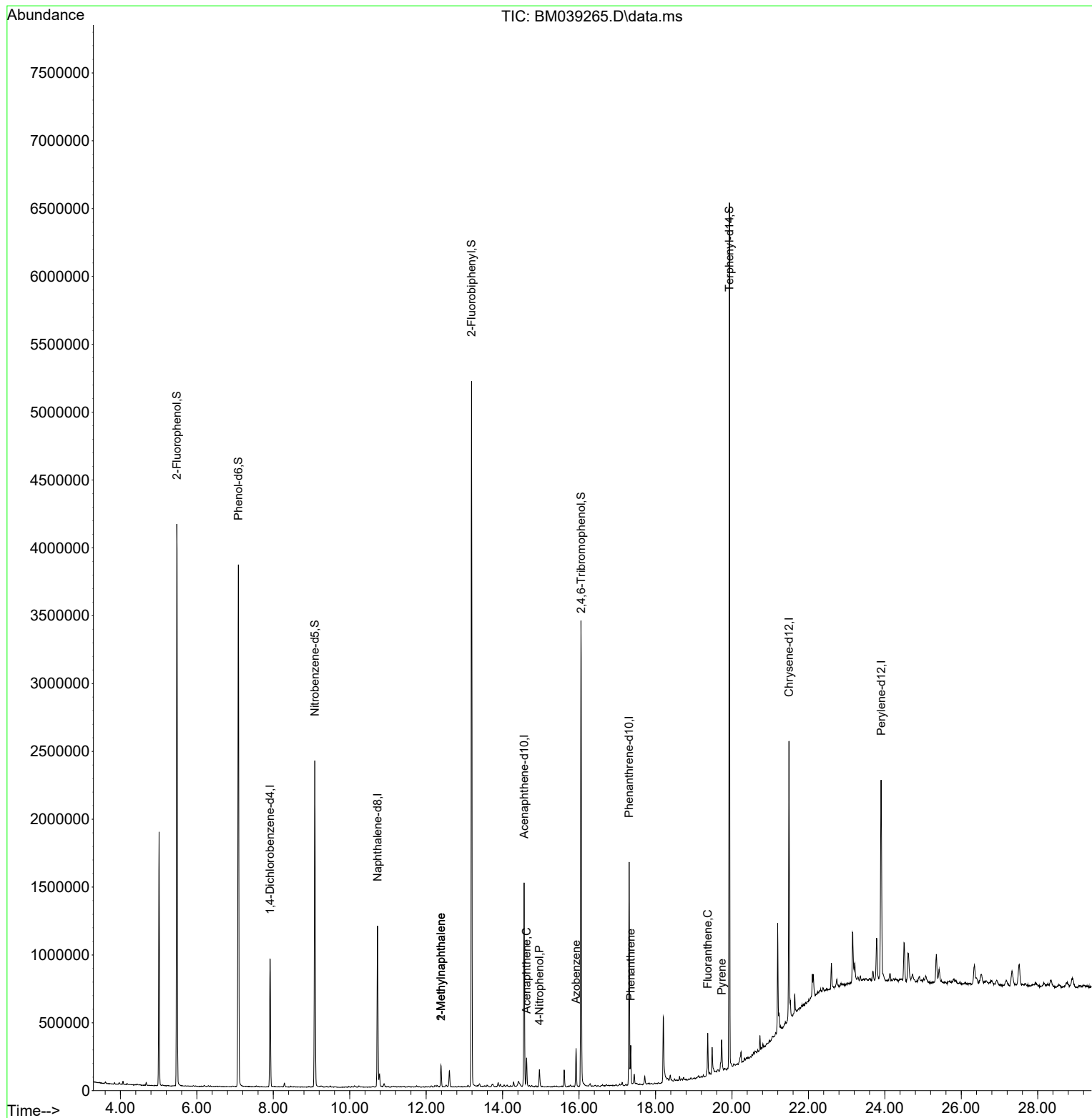
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	245724	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	946325	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	492173	20.000	ng	0.00
64) Phenanthrene-d10	17.309	188	914452	20.000	ng	0.00
76) Chrysene-d12	21.492	240	863571	20.000	ng	0.00
86) Perylene-d12	23.903	264	1073685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1751791	107.407	ng	0.00
7) Phenol-d6	7.087	99	2186489	103.647	ng	0.00
23) Nitrobenzene-d5	9.086	82	1351595	69.417	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	592244	94.795	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	2542032	69.980	ng	0.00
79) Terphenyl-d14	19.933	244	2850038	60.975	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.386	142	75092	2.115	ng	99
38) 1-Methylnaphthalene	12.386	142	75092	2.259	ng	96
52) Acenaphthene	14.627	154	71702	2.511	ng	99
56) 4-Nitrophenol	14.963	139	29162	4.011	ng	# 11
63) Azobenzene	15.921	77	79265	2.072	ng	# 1
71) Phenanthrene	17.351	178	160319	3.201	ng	98
75) Fluoranthene	19.368	202	152129	2.665	ng	99
78) Pyrene	19.733	202	136035	2.213	ng	98

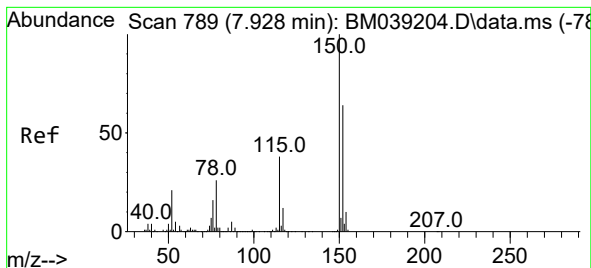
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.916 min Scan# 7

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

Instrument :

BNA_M

ClientSampleId :

SOILPILE-2-0323

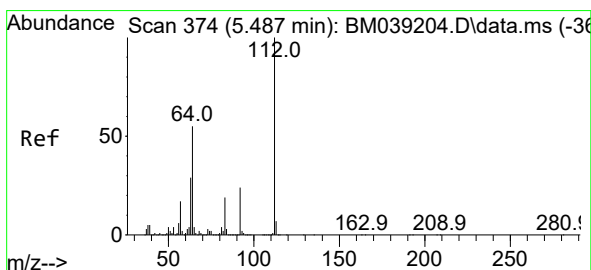
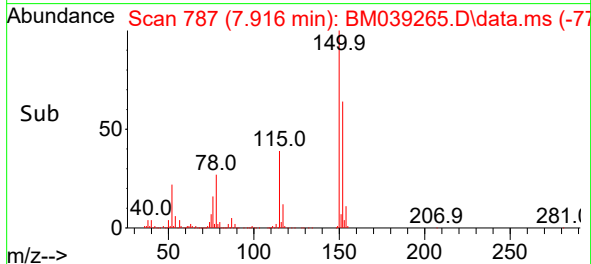
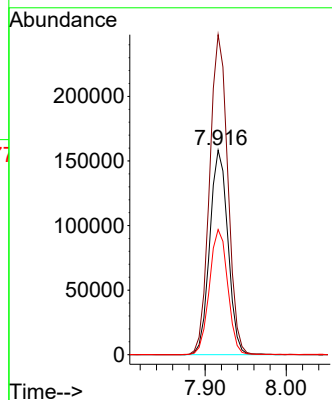
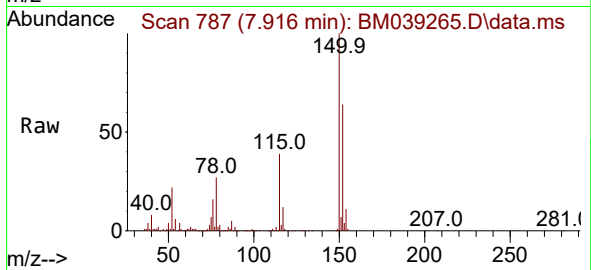
Tgt Ion:152 Resp: 245724

Ion Ratio Lower Upper

152 100

150 156.5 125.5 188.3

115 61.2 48.1 72.1



#5

2-Fluorophenol

Concen: 107.407 ng

RT: 5.475 min Scan# 372

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

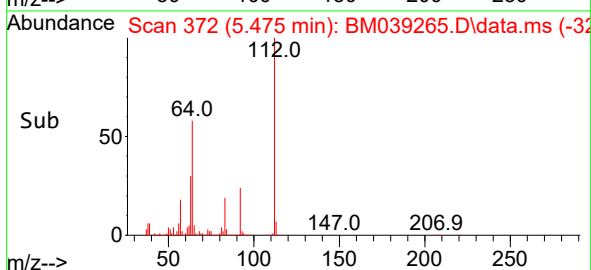
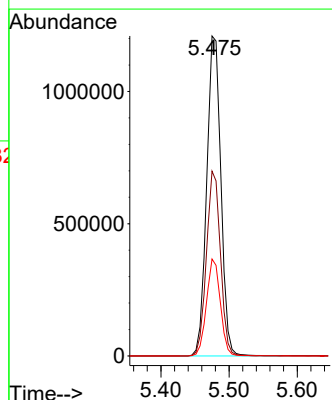
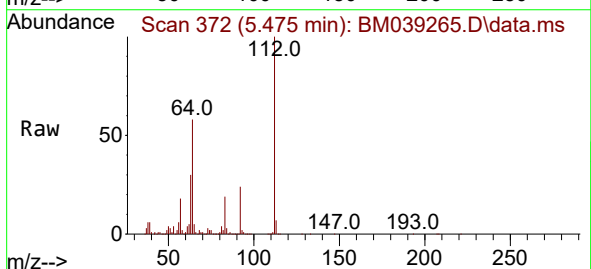
Tgt Ion:112 Resp: 1751791

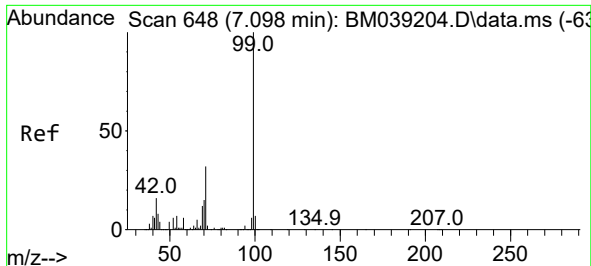
Ion Ratio Lower Upper

112 100

64 57.8 44.3 66.5

63 30.3 23.0 34.6

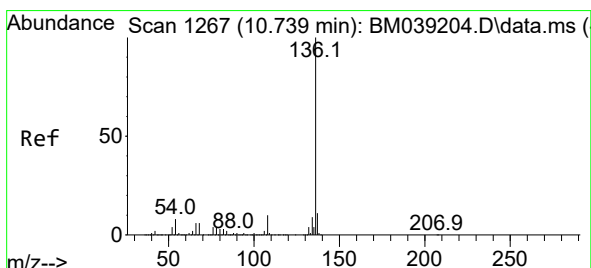
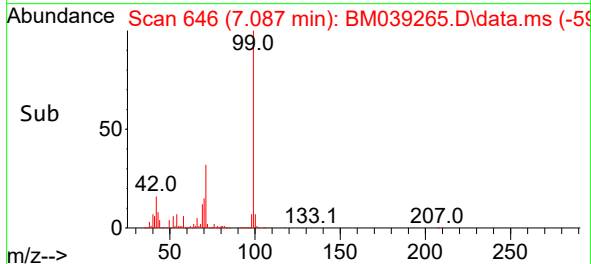
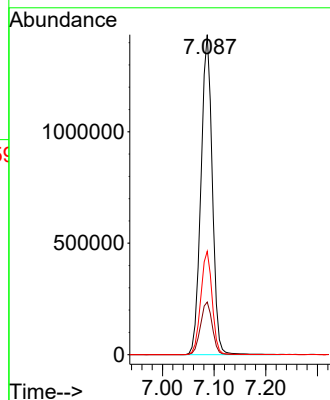
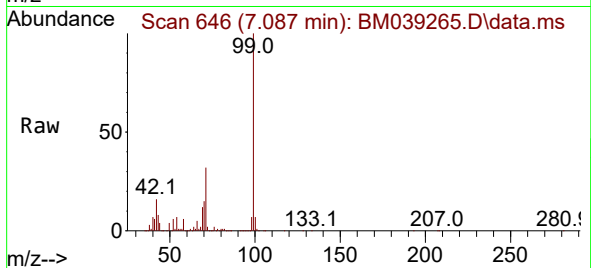




#7
Phenol-d6
Concen: 103.647 ng
RT: 7.087 min Scan# 64
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

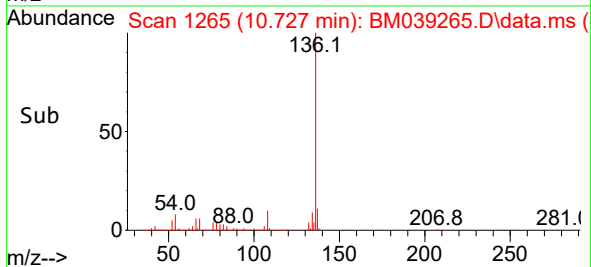
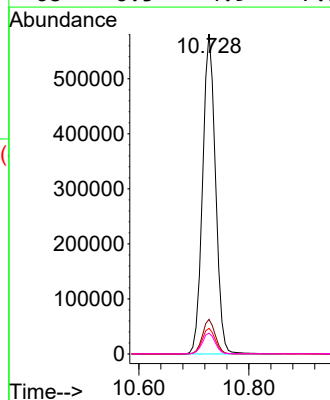
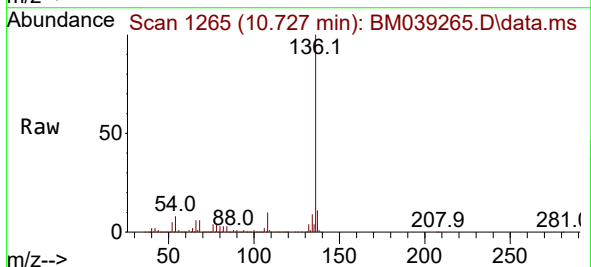
Instrument :
BNA_M
ClientSampleId :
SOILPILE-2-0323

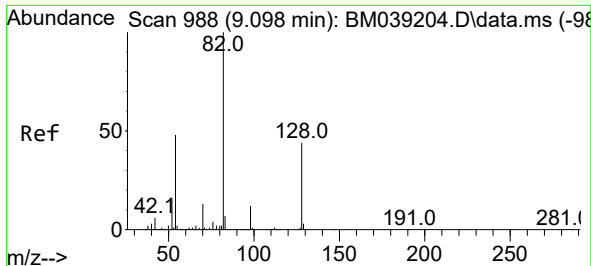
Tgt Ion: 99 Resp: 2186489
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.6
71 32.3 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

Tgt Ion:136 Resp: 946325
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 6.2 9.4
68 6.5 4.9 7.3

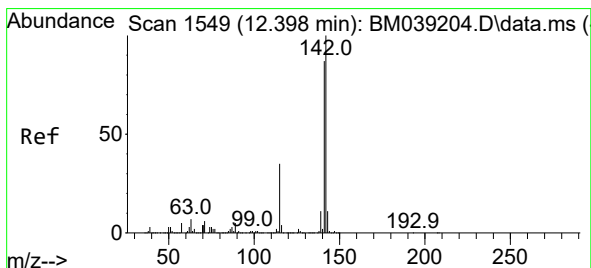
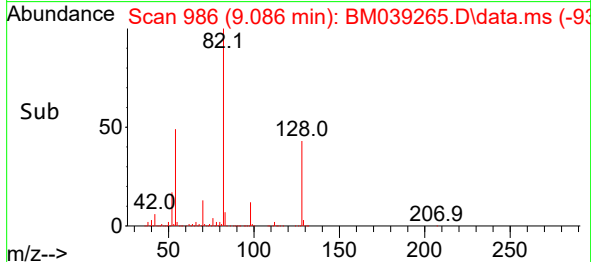
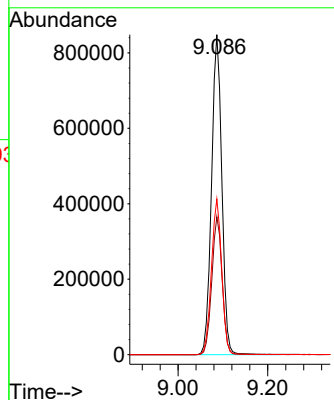
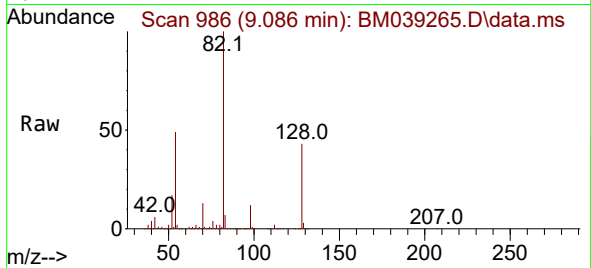




#23
Nitrobenzene-d5
Concen: 69.417 ng
RT: 9.086 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

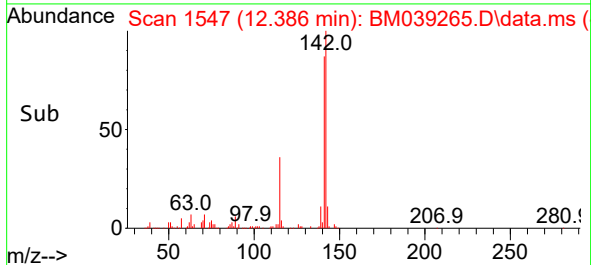
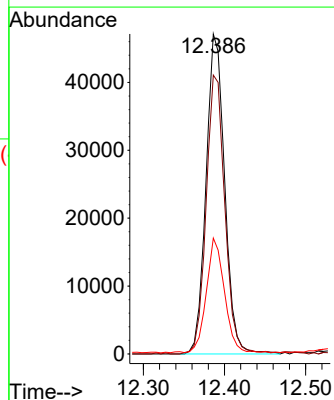
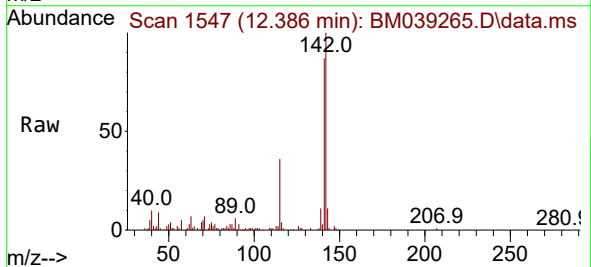
Instrument :
BNA_M
ClientSampleId :
SOILPILE-2-0323

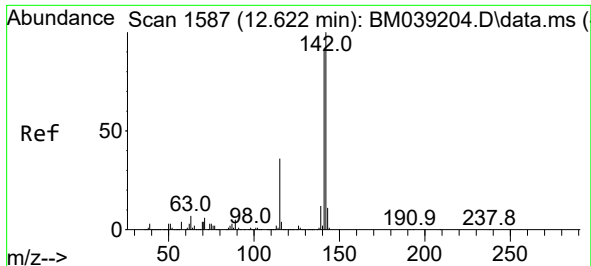
Tgt Ion: 82 Resp: 1351595
Ion Ratio Lower Upper
82 100
128 43.1 35.1 52.7
54 48.7 38.5 57.7



#37
2-Methylnaphthalene
Concen: 2.115 ng
RT: 12.386 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

Tgt Ion: 142 Resp: 75092
Ion Ratio Lower Upper
142 100
141 87.2 69.8 104.8
115 36.2 27.8 41.8





#38

1-Methylnaphthalene

Concen: 2.259 ng

RT: 12.386 min Scan# 1

Delta R.T. -0.224 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

Instrument :

BNA_M

ClientSampleId :

SOILPILE-2-0323

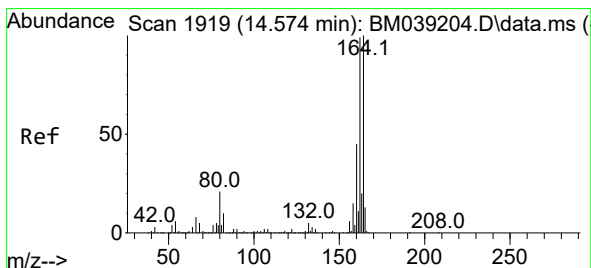
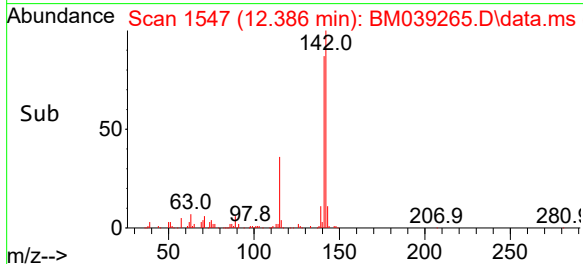
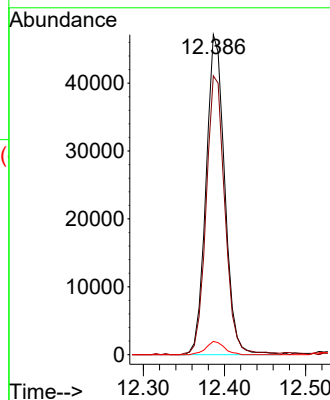
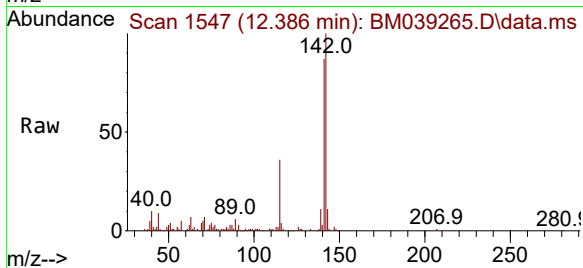
Tgt Ion:142 Resp: 75092

Ion Ratio Lower Upper

142 100

141 87.2 73.2 109.8

116 4.1 3.0 4.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

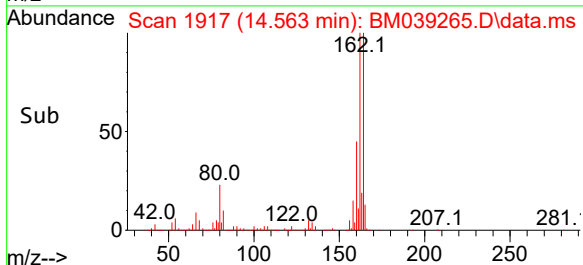
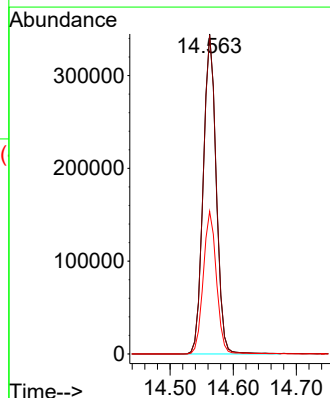
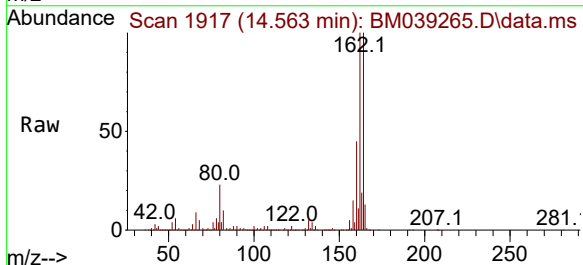
Tgt Ion:164 Resp: 492173

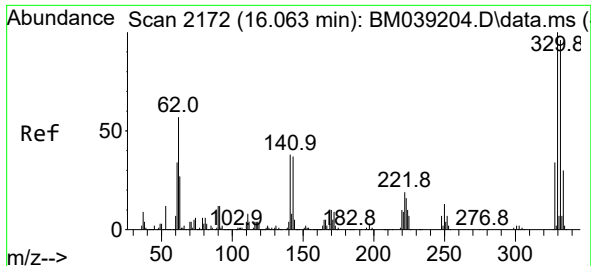
Ion Ratio Lower Upper

164 100

162 99.7 79.1 118.7

160 44.6 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 94.795 ng

RT: 16.057 min Scan# 2171

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

Instrument :

BNA_M

ClientSampleId :

SOILPILE-2-0323

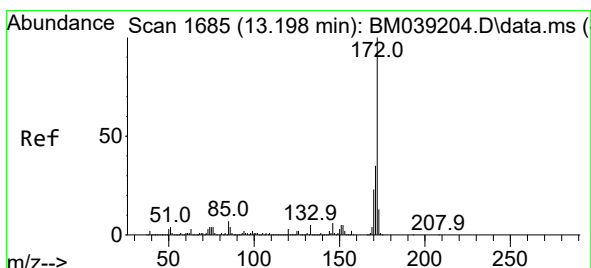
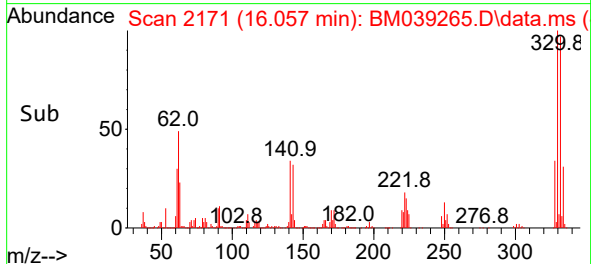
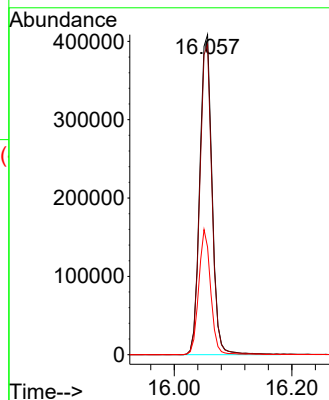
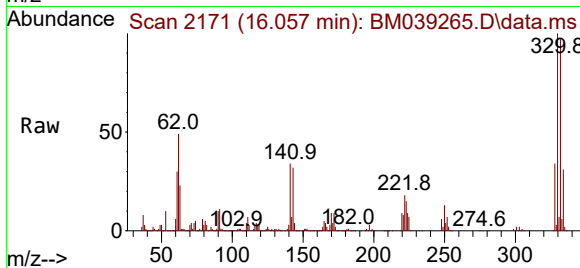
Tgt Ion:330 Resp: 592244

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

141 38.1 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 69.980 ng

RT: 13.186 min Scan# 1683

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

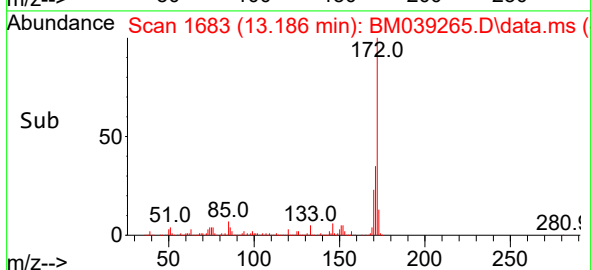
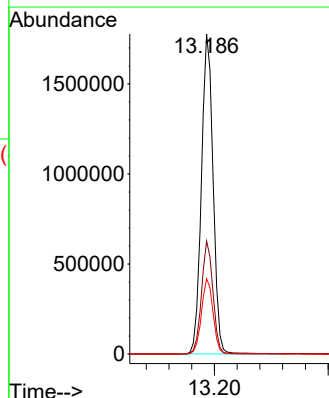
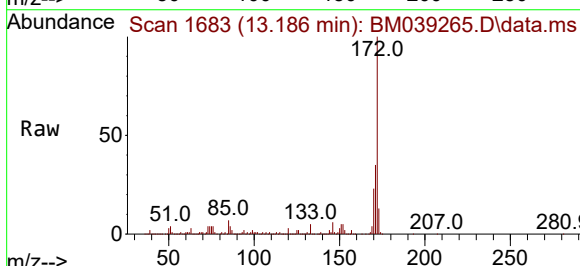
Tgt Ion:172 Resp: 2542032

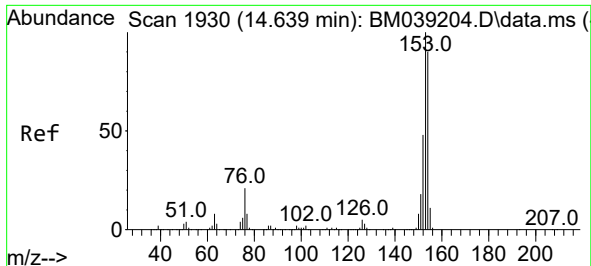
Ion Ratio Lower Upper

172 100

171 35.3 28.0 42.0

170 23.5 18.7 28.1

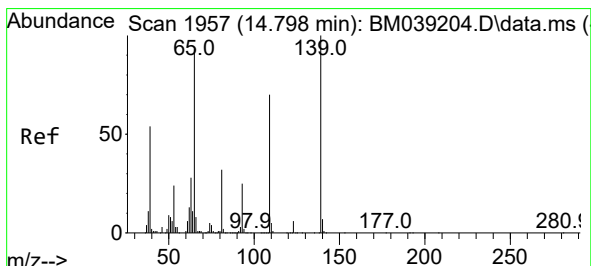
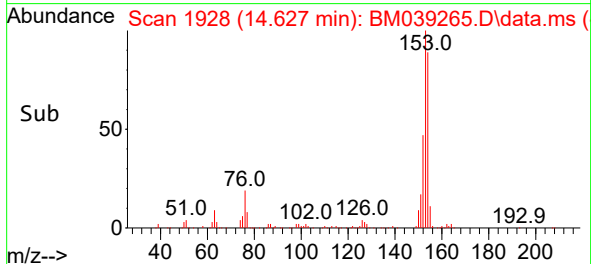
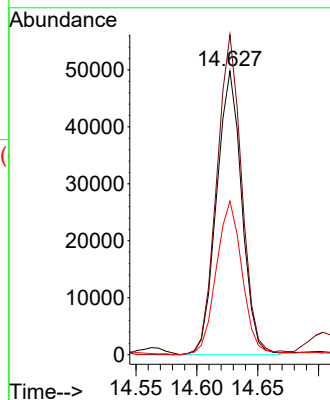
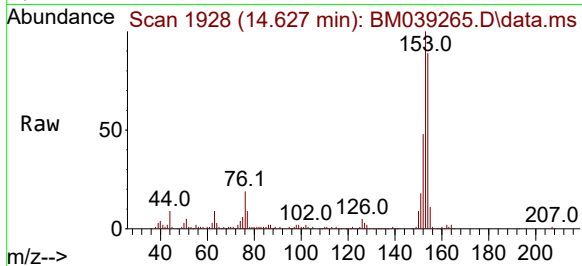




#52
Acenaphthene
Concen: 2.511 ng
RT: 14.627 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

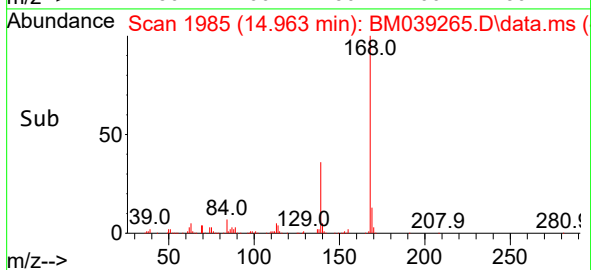
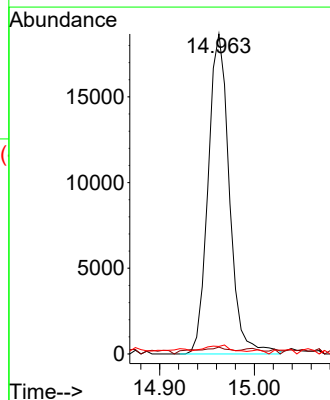
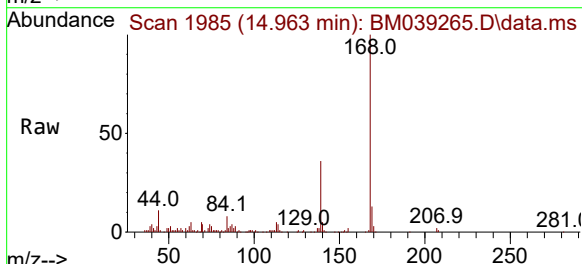
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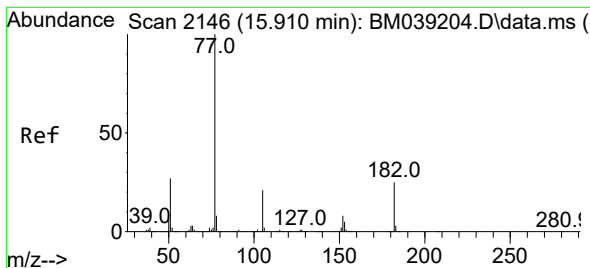
Tgt Ion:154 Resp: 71702
Ion Ratio Lower Upper
154 100
153 112.9 89.1 133.7
152 54.2 42.6 64.0



#56
4-Nitrophenol
Concen: 4.011 ng
RT: 14.963 min Scan# 1985
Delta R.T. 0.176 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

Tgt Ion:139 Resp: 29162
Ion Ratio Lower Upper
139 100
109 2.2 49.6 89.6#
65 2.3 72.9 112.9#





#63

Azobenzene

Concen: 2.072 ng

RT: 15.921 min Scan# 2146

Delta R.T. 0.023 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

Instrument :

BNA_M

ClientSampleId :

SOILPILE-2-0323

Tgt Ion: 77 Resp: 79265

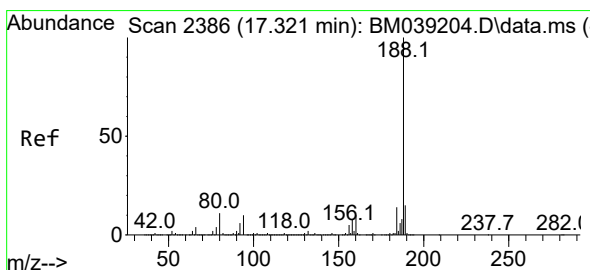
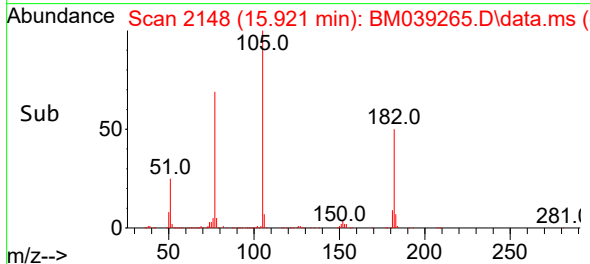
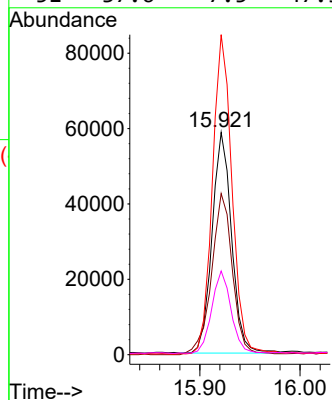
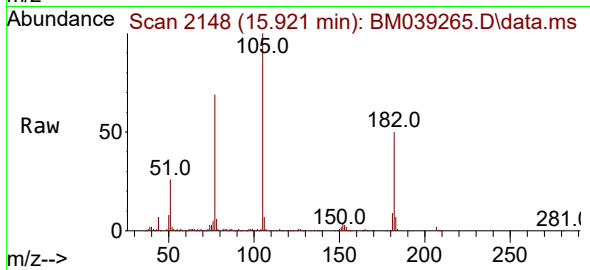
Ion Ratio Lower Upper

77 100

182 72.5 4.8 44.8#

105 143.9 1.4 41.4#

51 37.6 7.5 47.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.309 min Scan# 2384

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

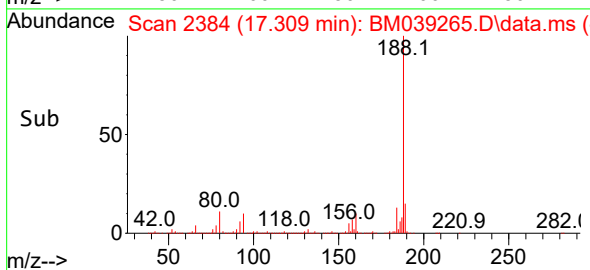
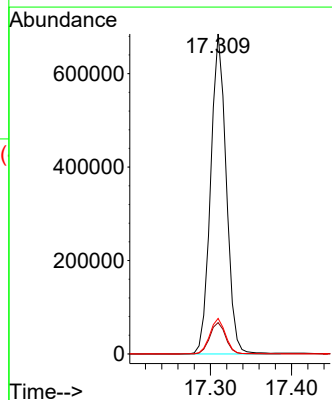
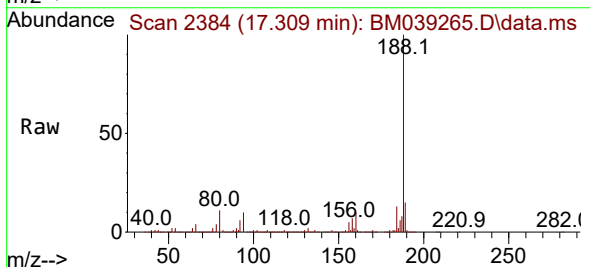
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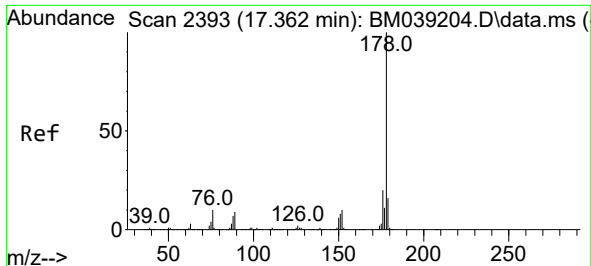
Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

80 11.1 8.9 13.3

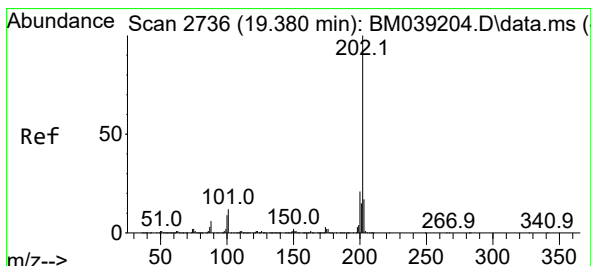
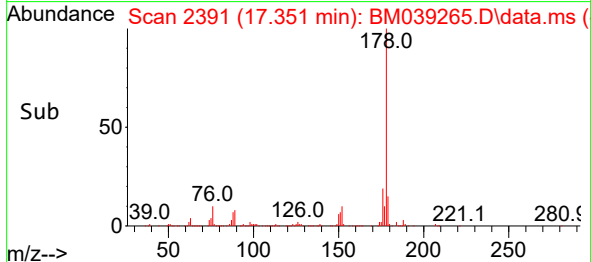
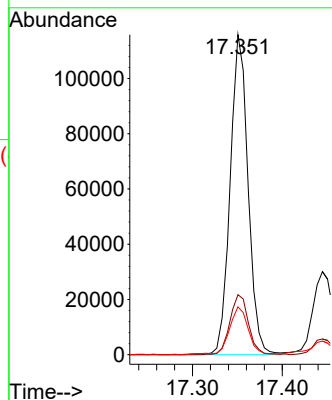
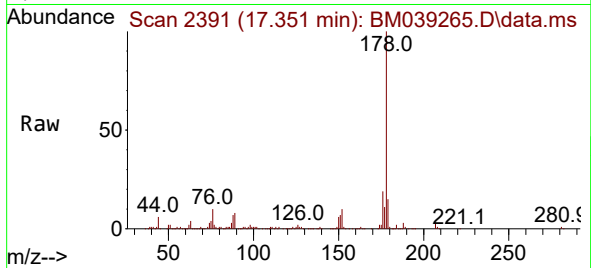




#71
Phenanthrene
Concen: 3.201 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

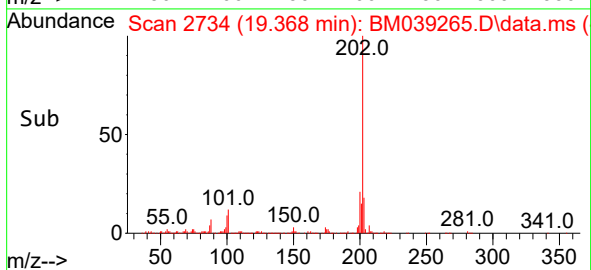
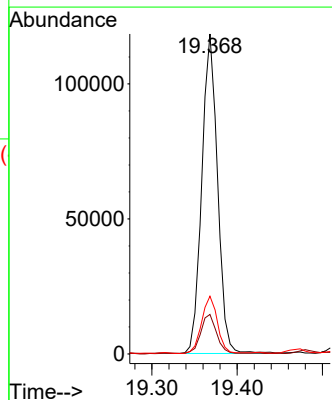
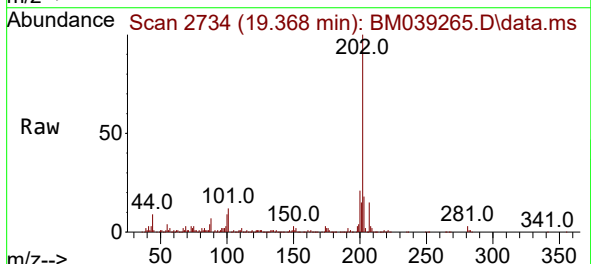
Instrument :
BNA_M
ClientSampleId :
SOILPILE-2-0323

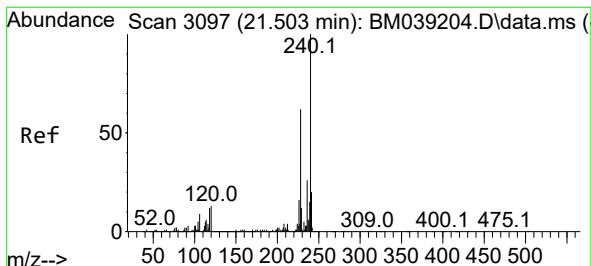
Tgt Ion:178 Resp: 160319
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 14.9 12.4 18.6



#75
Fluoranthene
Concen: 2.665 ng
RT: 19.368 min Scan# 2734
Delta R.T. -0.000 min
Lab File: BM039265.D
Acq: 31 Mar 2023 22:27

Tgt Ion:202 Resp: 152129
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.5
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.492 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

Instrument :

BNA_M

ClientSampleId :

SOILPILE-2-0323

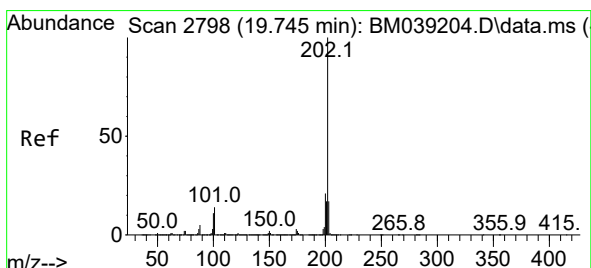
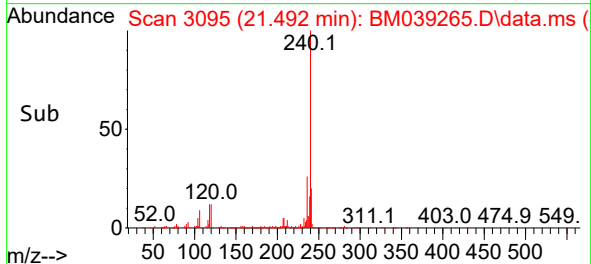
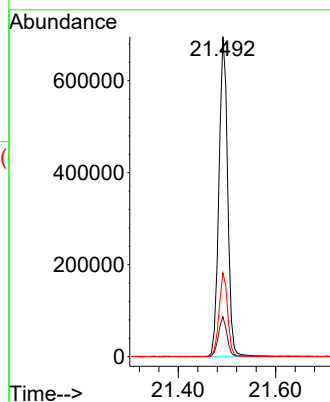
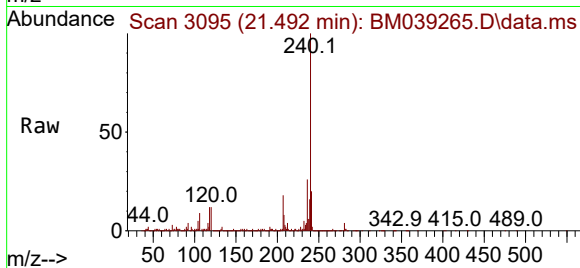
Tgt Ion:240 Resp: 863571

Ion Ratio Lower Upper

240 100

120 12.5 10.2 15.2

236 26.2 20.9 31.3



#78

Pyrene

Concen: 2.213 ng

RT: 19.733 min Scan# 2796

Delta R.T. -0.000 min

Lab File: BM039265.D

Acq: 31 Mar 2023 22:27

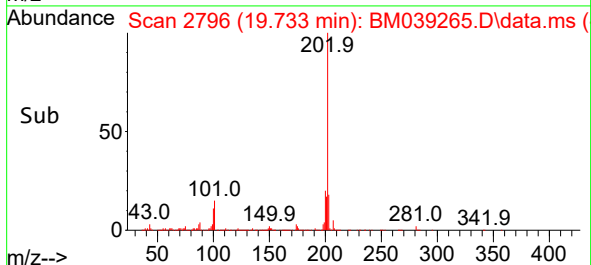
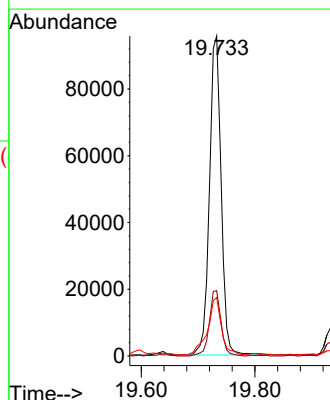
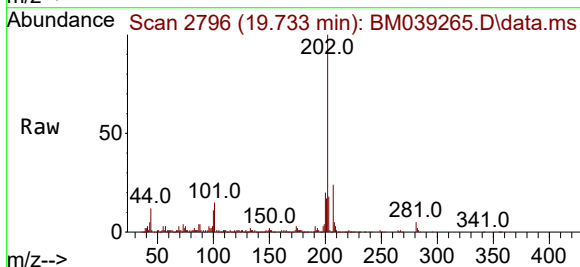
Tgt Ion:202 Resp: 136035

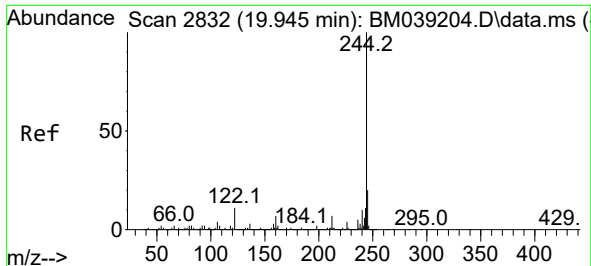
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 18.3 13.9 20.9

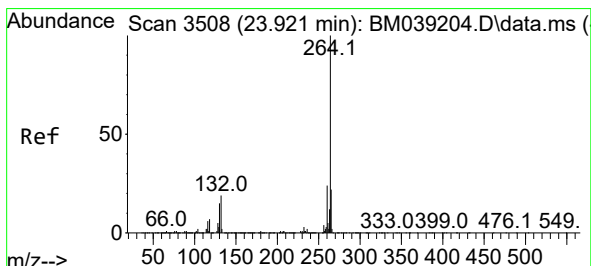
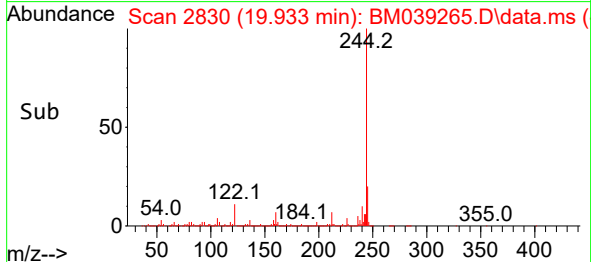
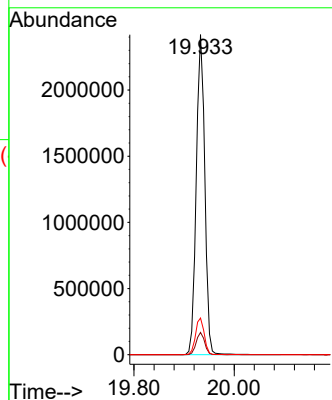
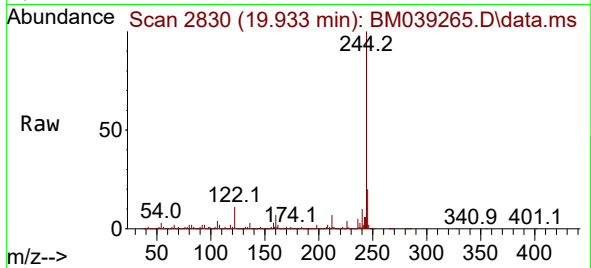




#79
 Terphenyl-d14
 Concen: 60.975 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM039265.D
 Acq: 31 Mar 2023 22:27

Instrument :
 BNA_M
 ClientSampleId :
 SOILPILE-2-0323

Tgt Ion:244 Resp: 2850038
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.4 9.1 13.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.903 min Scan# 3505
 Delta R.T. -0.000 min
 Lab File: BM039265.D
 Acq: 31 Mar 2023 22:27

Tgt Ion:264 Resp: 1073685
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 22.1 18.1 27.1

