

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039190.D
 Acq On : 28 Mar 2023 21:36
 Operator : CG/JU
 Sample : 02105-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL3-0327

Quant Time: Mar 29 01:32:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 29 01:28:31 2023
 Response via : Initial Calibration

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

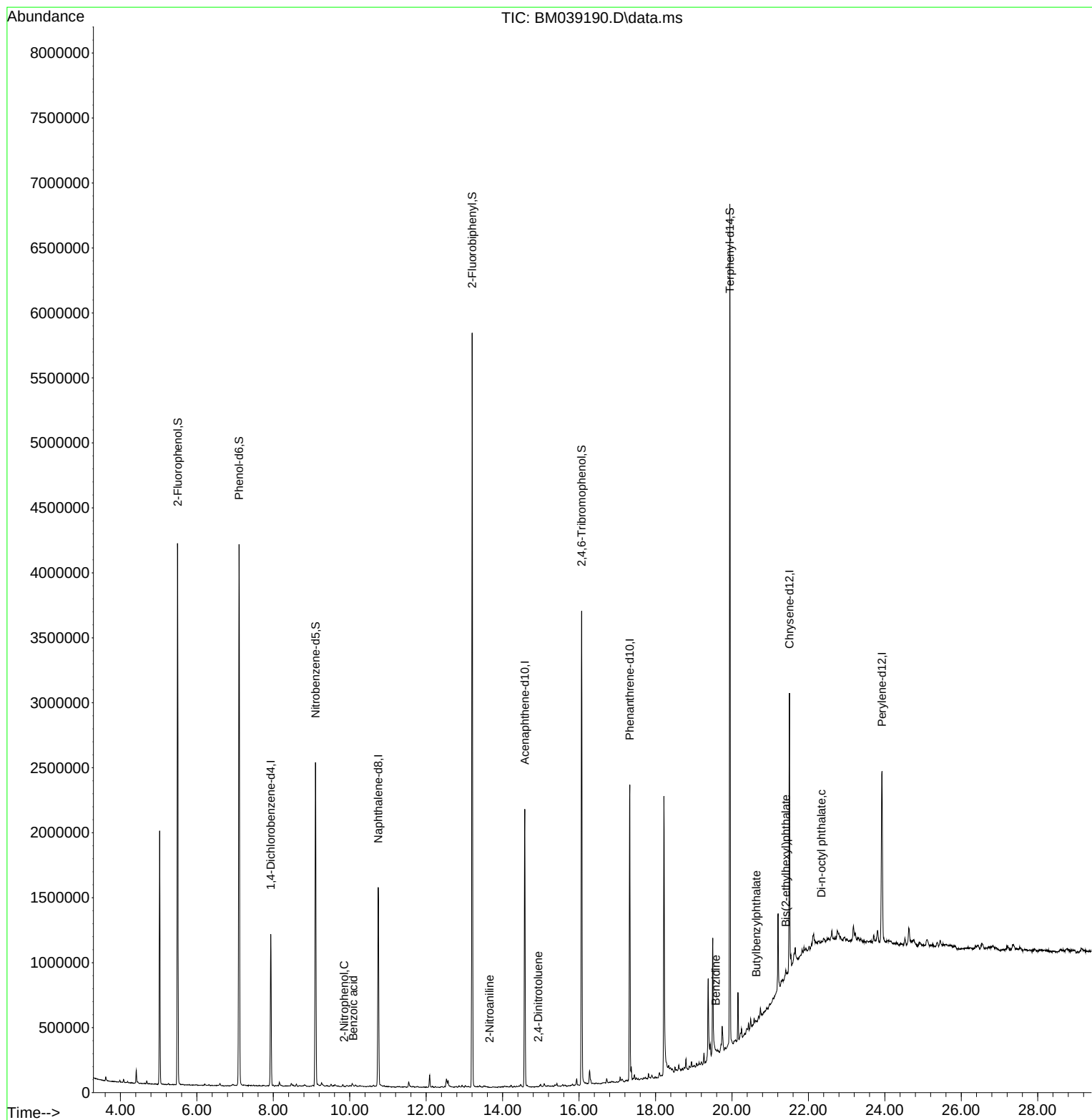
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	312428	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1282124	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	724676	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1350524	20.000	ng	0.00
76) Chrysene-d12	21.503	240	943159	20.000	ng	0.00
86) Perylene-d12	23.927	264	1002295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1848476	89.889	ng	0.00
7) Phenol-d6	7.104	99	2442350	91.437	ng	0.00
23) Nitrobenzene-d5	9.104	82	1440684	55.196	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	650764	77.626	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	2839781	51.013	ng	0.00
79) Terphenyl-d14	19.944	244	2931607	56.830	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.857	139	61	2.995	ng	# 1
32) Benzoic acid	10.092	122	66	5.737	ng	# 1
48) 2-Nitroaniline	13.663	65	468	2.246	ng	# 36
57) 2,4-Dinitrotoluene	14.933	165	267	2.087	ng	# 64
77) Benzidine	19.580	184	513	4.898	ng	# 1
80) Butylbenzylphthalate	20.639	149	4367	3.451	ng	# 74
84) Bis(2-ethylhexyl)phtha...	21.415	149	15587	2.824	ng	# 99
85) Di-n-octyl phthalate	22.344	149	2108	3.823	ng	# 1

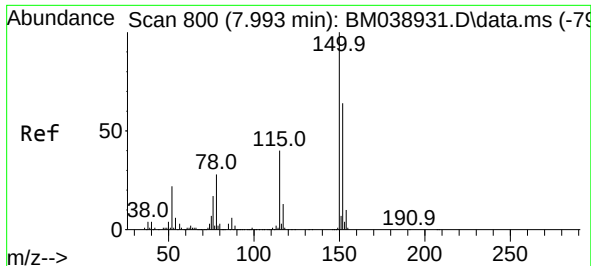
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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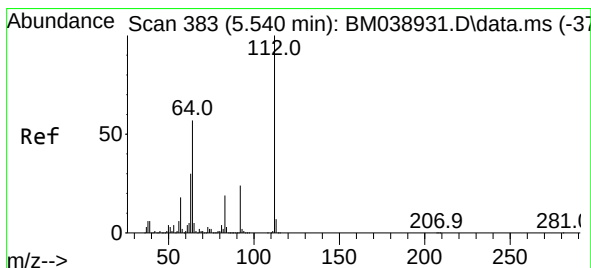
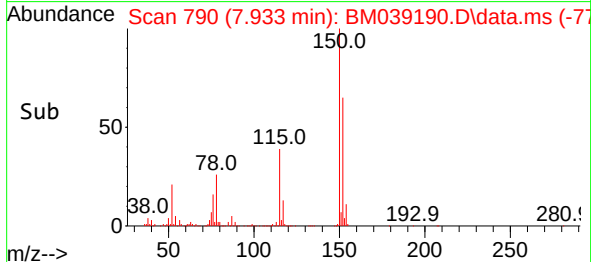
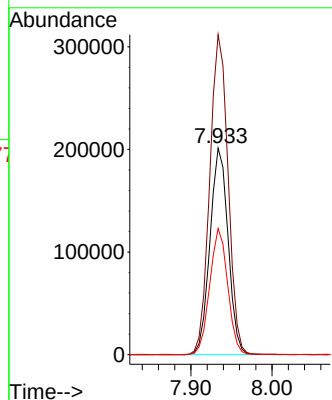
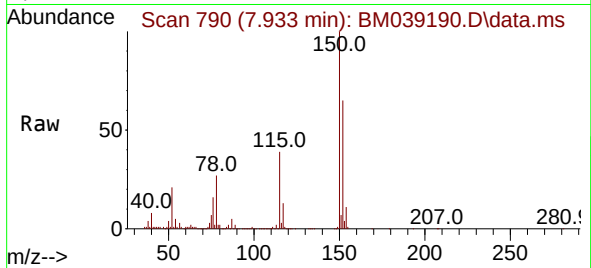




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.933 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BM039190.D
 Acq: 28 Mar 2023 21:36

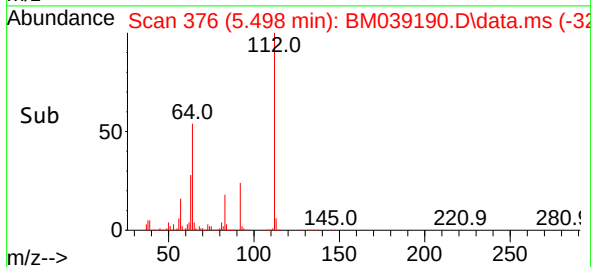
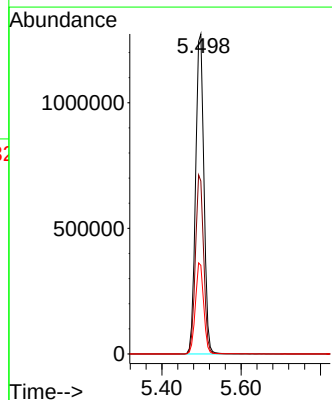
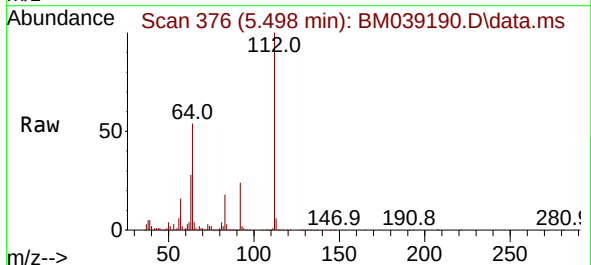
Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL3-0327

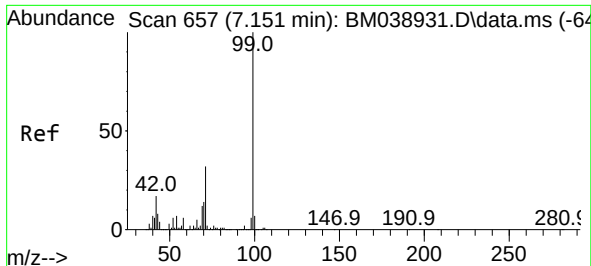
Tgt Ion:152 Resp: 312428
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.1 187.7
 115 61.1 49.6 74.4



#5
 2-Fluorophenol
 Concen: 89.889 ng
 RT: 5.498 min Scan# 376
 Delta R.T. -0.000 min
 Lab File: BM039190.D
 Acq: 28 Mar 2023 21:36

Tgt Ion:112 Resp: 1848476
 Ion Ratio Lower Upper
 112 100
 64 54.1 45.9 68.9
 63 27.7 23.8 35.8

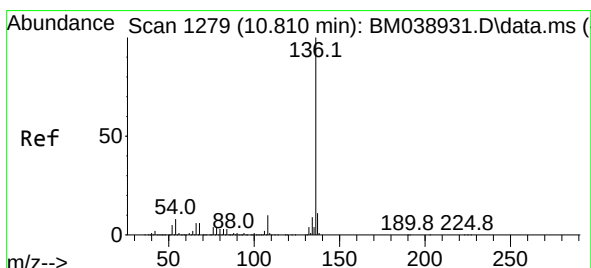
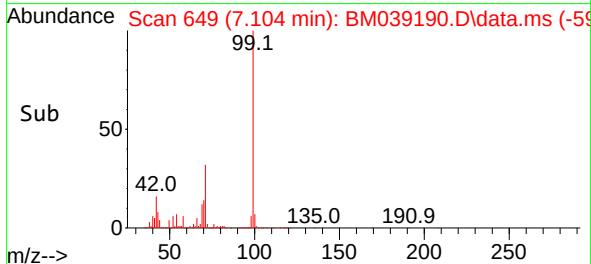
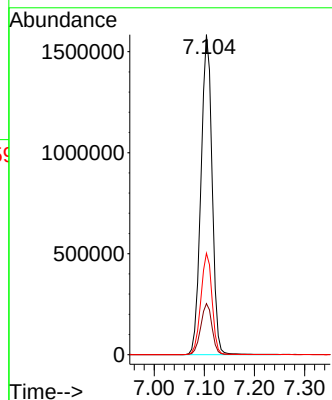
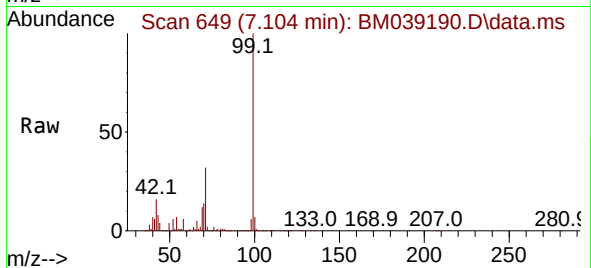




#7
Phenol-d6
Concen: 91.437 ng
RT: 7.104 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

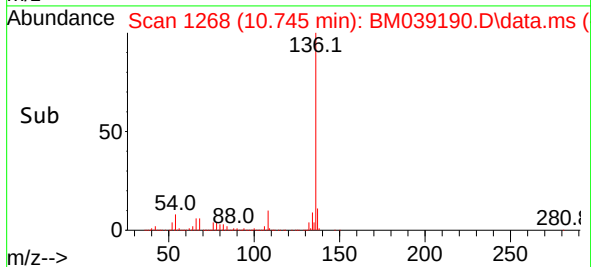
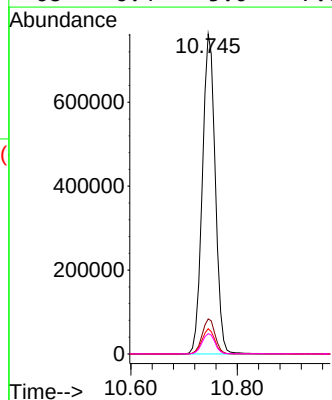
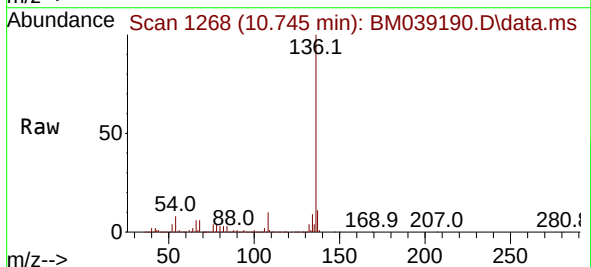
Instrument :
BNA_M
ClientSampleId :
WV-SOIL3-0327

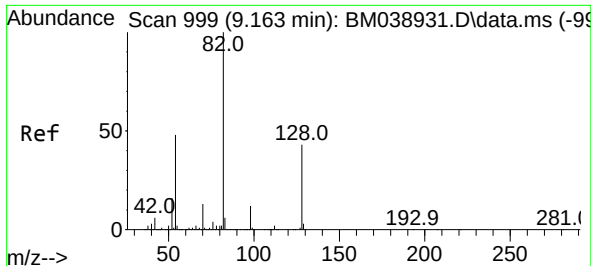
Tgt Ion: 99 Resp: 2442350
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 31.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

Tgt Ion: 136 Resp: 1282124
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.9 6.3 9.5
68 6.4 5.0 7.6

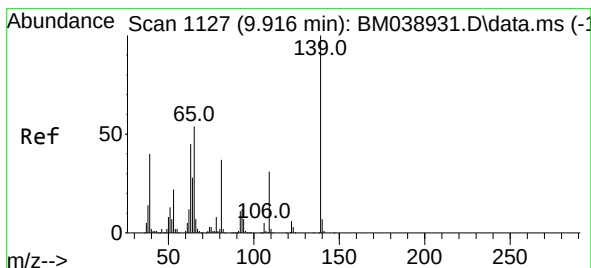
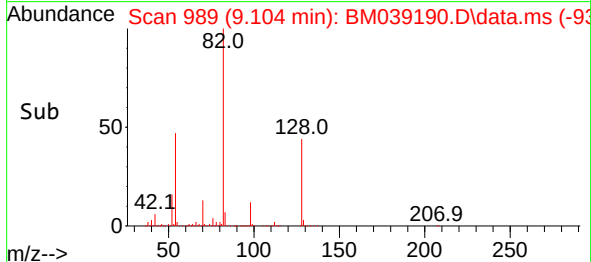
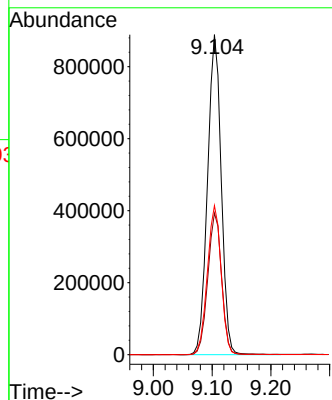
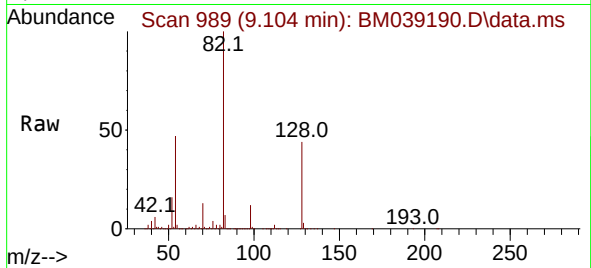




#23
Nitrobenzene-d5
Concen: 55.196 ng
RT: 9.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

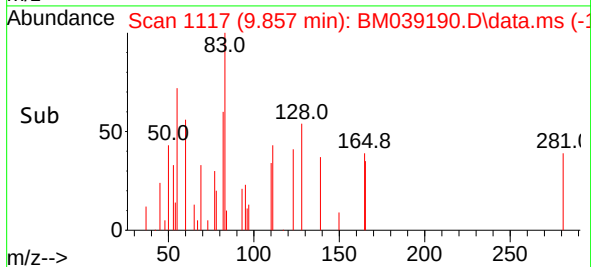
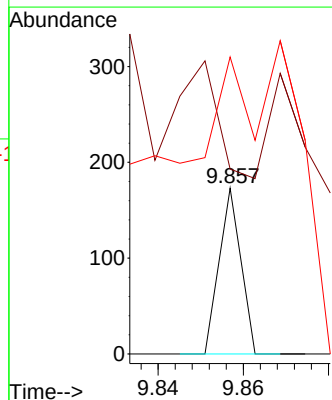
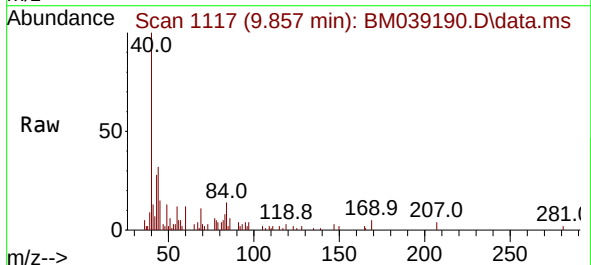
Instrument :
BNA_M
ClientSampleId :
WV-SOIL3-0327

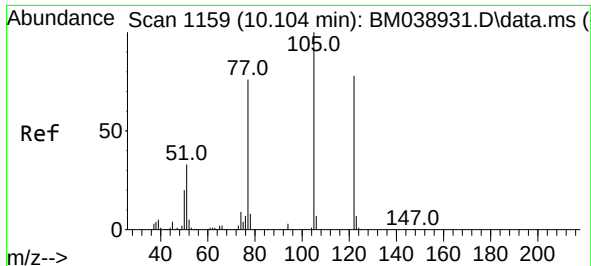
Tgt Ion: 82 Resp: 1440684
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 46.6 38.8 58.2



#26
2-Nitrophenol
Concen: 2.995 ng
RT: 9.857 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

Tgt Ion: 139 Resp: 61
Ion Ratio Lower Upper
139 100
109 111.6 24.5 36.7#
65 179.2 43.0 64.6#

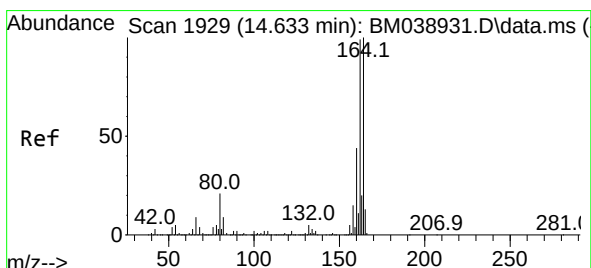
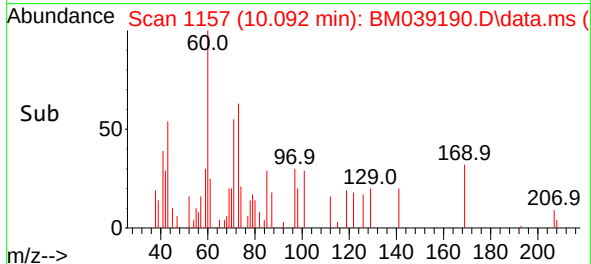
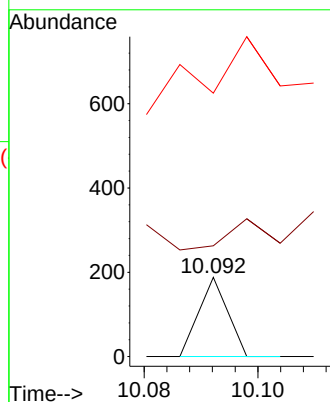
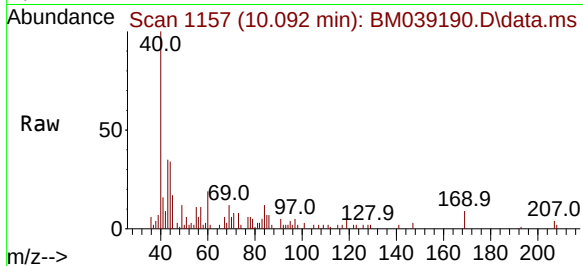




#32
Benzoic acid
Concen: 5.737 ng
RT: 10.092 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

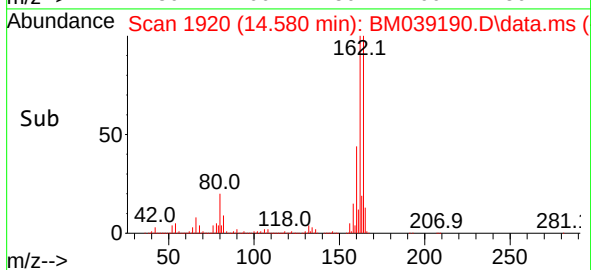
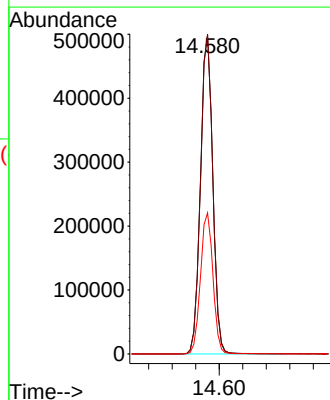
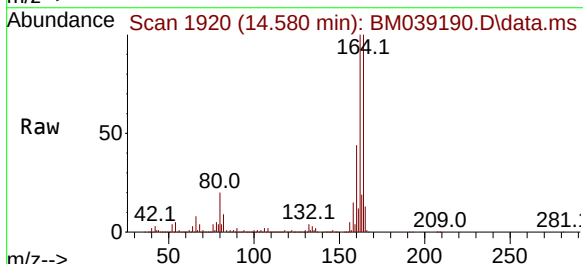
Instrument :
BNA_M
ClientSampleId :
WV-SOIL3-0327

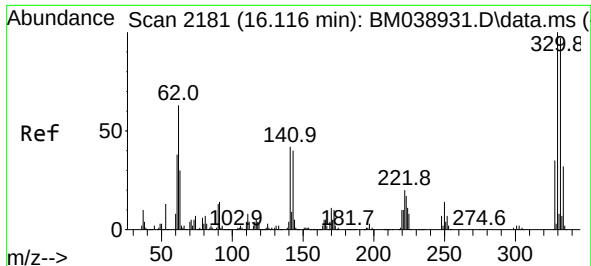
Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 139.9 104.2 144.2
77 332.4 75.1 115.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

Tgt Ion:164 Resp: 724676
Ion Ratio Lower Upper
164 100
162 100.3 79.2 118.8
160 44.3 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 77.626 ng

RT: 16.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Instrument :

BNA_M

ClientSampleId :

WV-SOIL3-0327

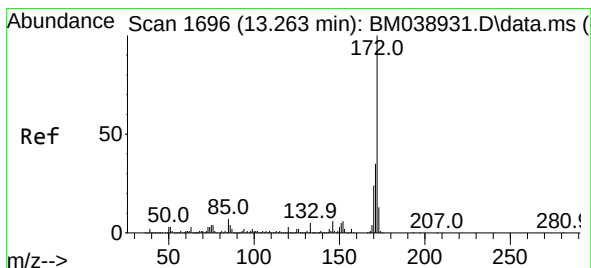
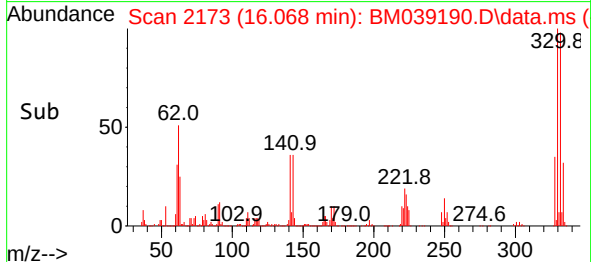
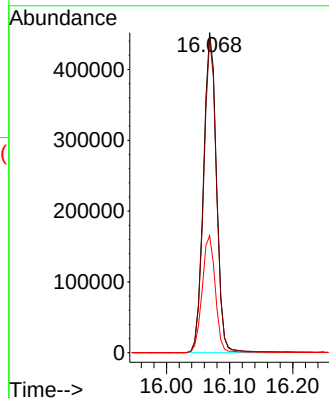
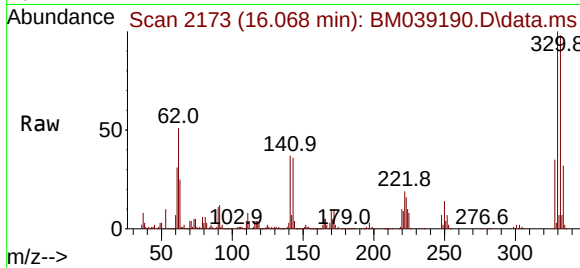
Tgt Ion:330 Resp: 650764

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 37.1 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 51.013 ng

RT: 13.204 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

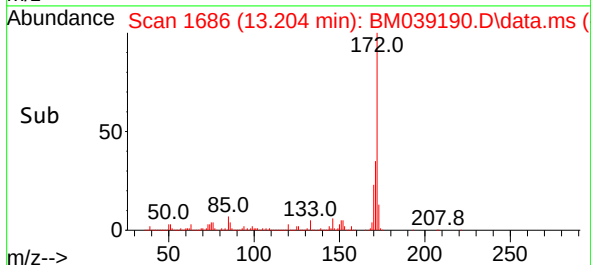
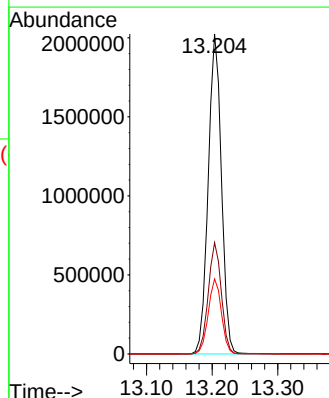
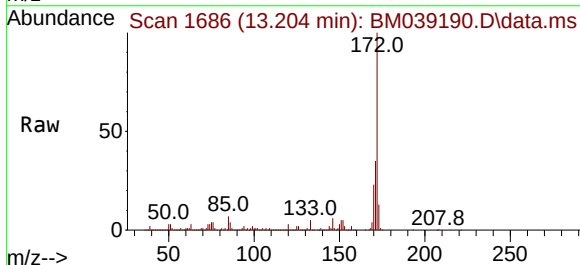
Tgt Ion:172 Resp: 2839781

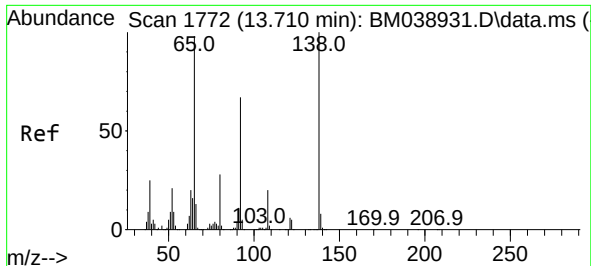
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.4 19.1 28.7

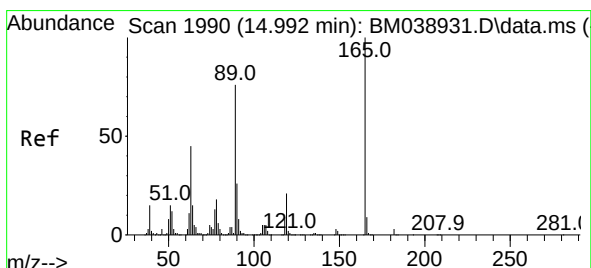
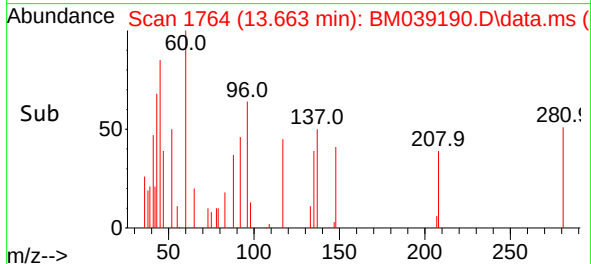
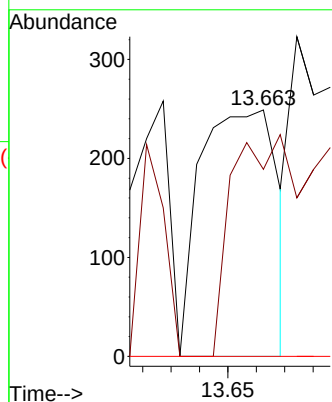
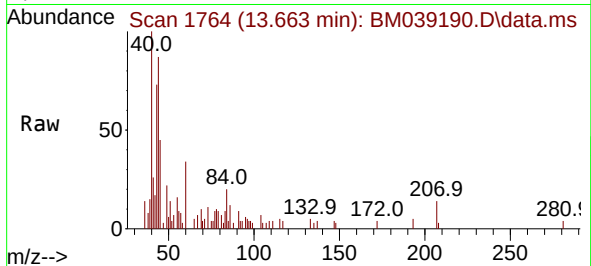




#48
2-Nitroaniline
Concen: 2.246 ng
RT: 13.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

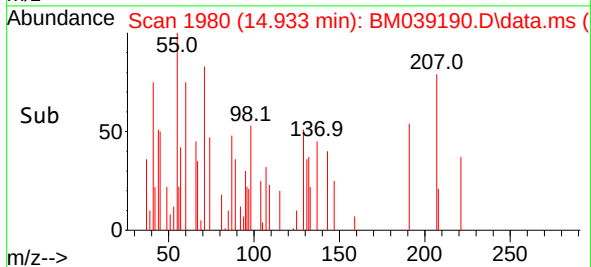
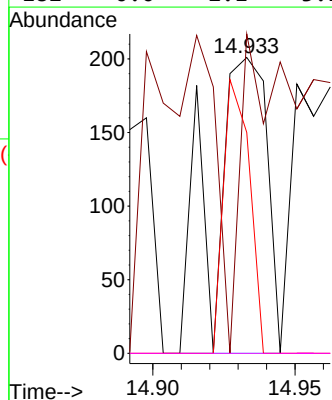
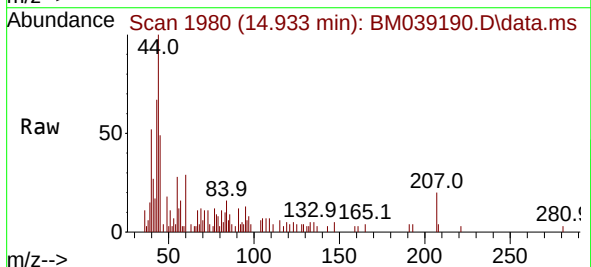
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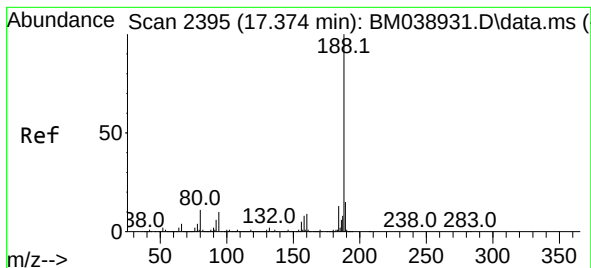
Tgt Ion: 65 Resp: 468
Ion Ratio Lower Upper
65 100
92 75.9 54.9 82.3
138 0.0 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.087 ng
RT: 14.933 min Scan# 1980
Delta R.T. -0.018 min
Lab File: BM039190.D
Acq: 28 Mar 2023 21:36

Tgt Ion: 165 Resp: 267
Ion Ratio Lower Upper
165 100
63 108.0 35.9 53.9#
89 74.6 61.0 91.6
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.327 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Instrument :

BNA_M

ClientSampleId :

WV-SOIL3-0327

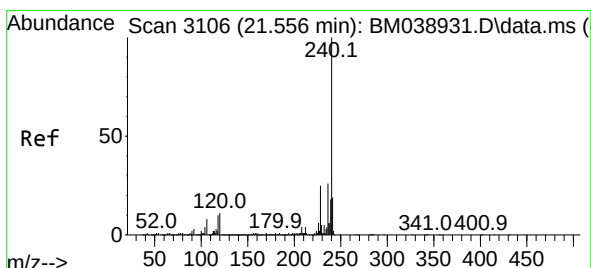
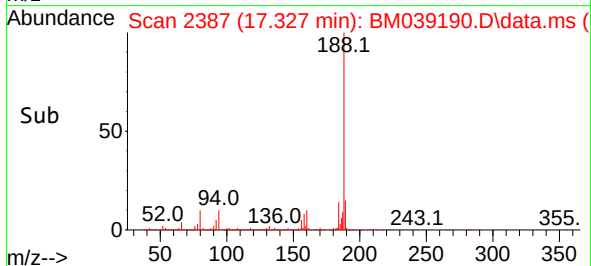
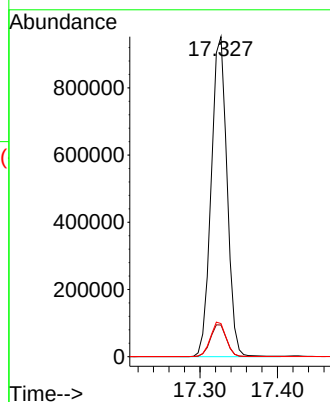
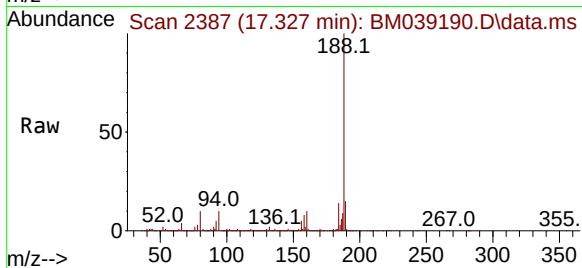
Tgt Ion:188 Resp: 1350524

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.4 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

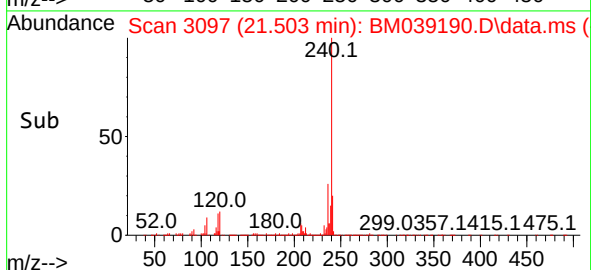
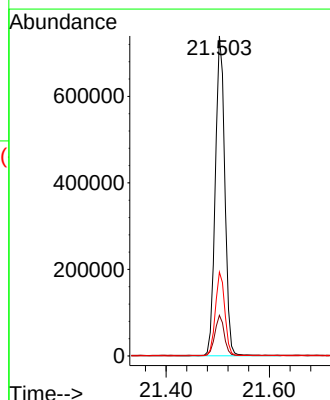
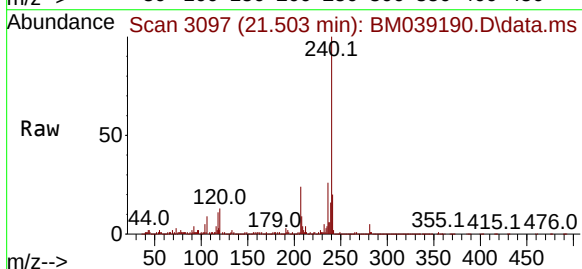
Tgt Ion:240 Resp: 943159

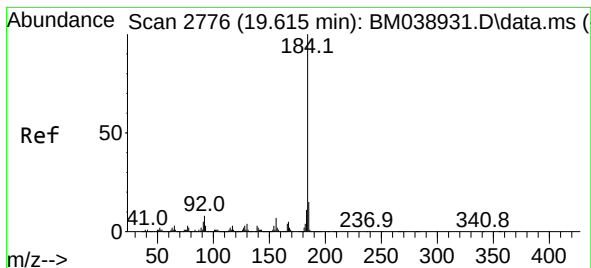
Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 26.2 20.8 31.2





#77

Benzidine

Concen: 4.898 ng

RT: 19.580 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Instrument :

BNA_M

ClientSampleId :

WV-SOIL3-0327

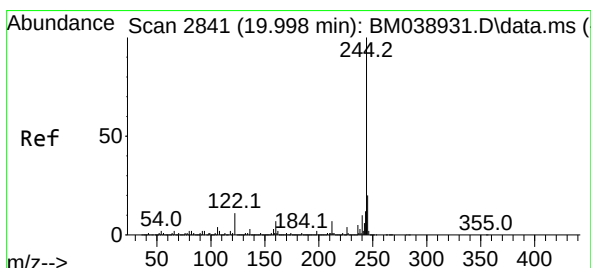
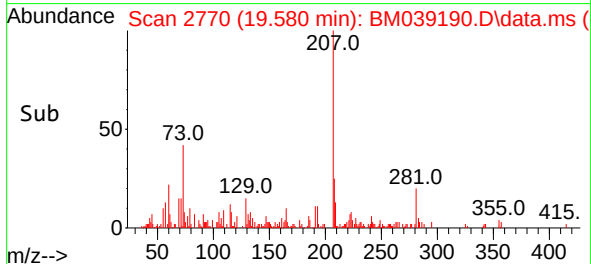
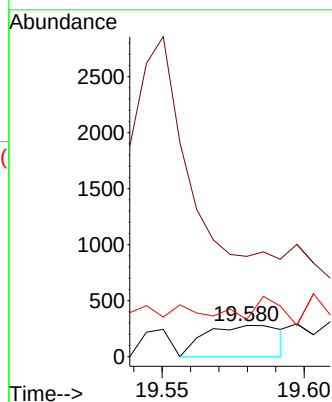
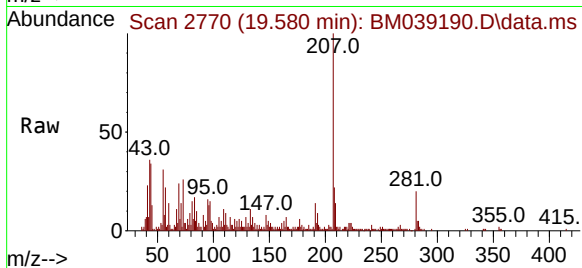
Tgt Ion:184 Resp: 513

Ion Ratio Lower Upper

184 100

185 320.8 12.2 18.4#

183 119.0 8.8 13.2#



#79

Terphenyl-d14

Concen: 56.830 ng

RT: 19.944 min Scan# 2832

Delta R.T. -0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

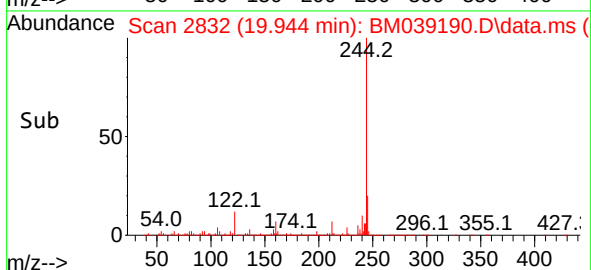
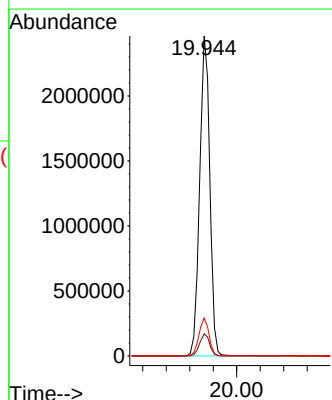
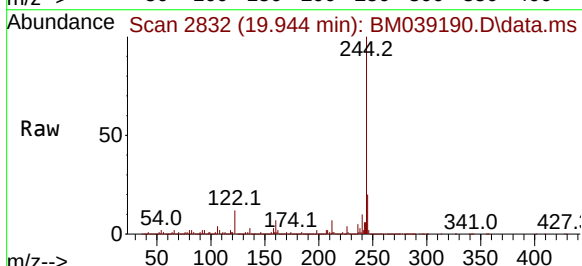
Tgt Ion:244 Resp: 2931607

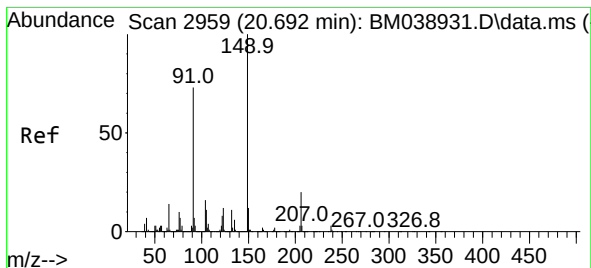
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.8 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.451 ng

RT: 20.639 min Scan# 2950

Delta R.T. -0.006 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Instrument :

BNA_M

ClientSampleId :

WV-SOIL3-0327

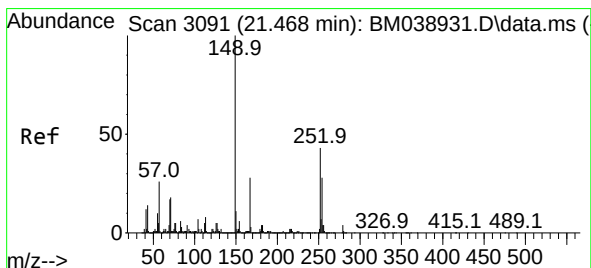
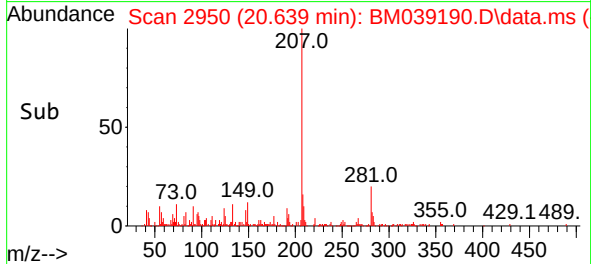
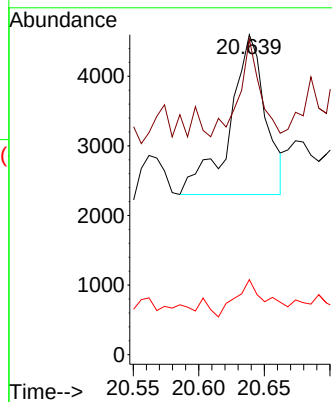
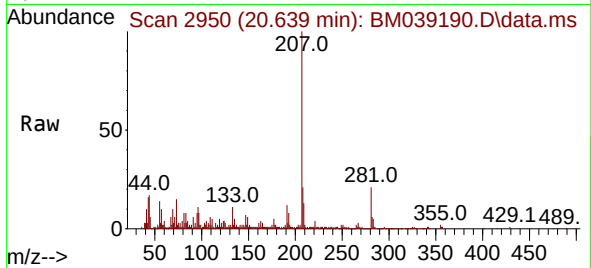
Tgt Ion:149 Resp: 4367

Ion Ratio Lower Upper

149 100

91 98.6 58.4 87.6#

206 23.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.824 ng

RT: 21.415 min Scan# 3082

Delta R.T. -0.000 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

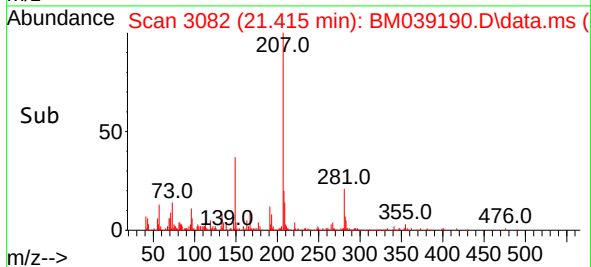
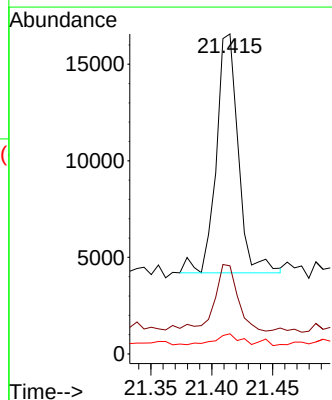
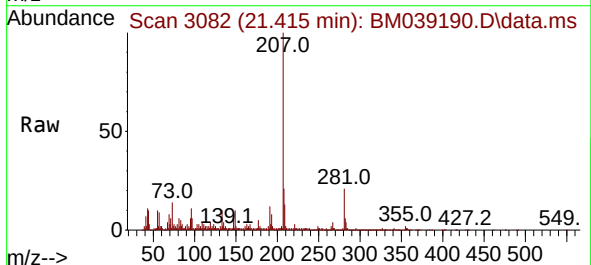
Tgt Ion:149 Resp: 15587

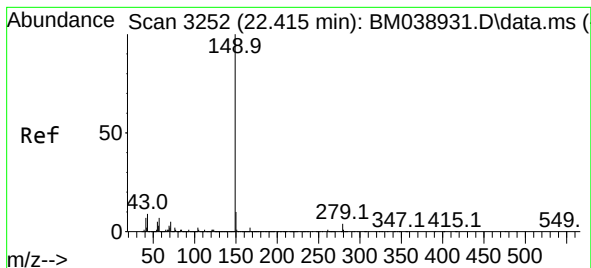
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

279 6.3 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.823 ng

RT: 22.344 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Instrument :

BNA_M

ClientSampleId :

WV-SOIL3-0327

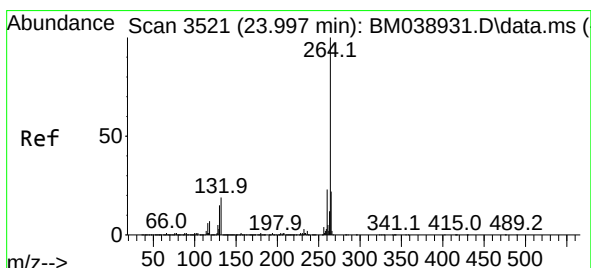
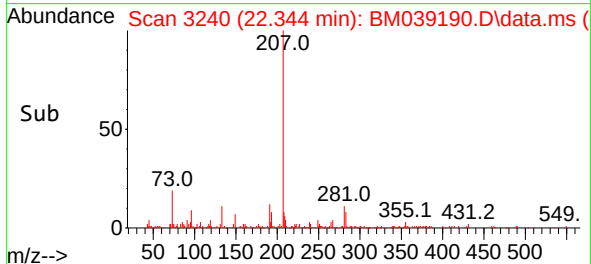
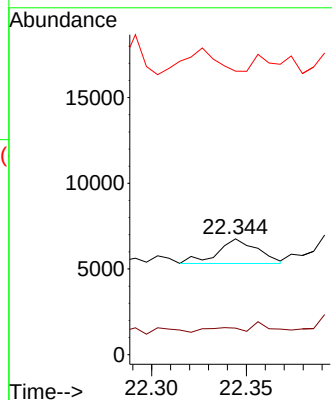
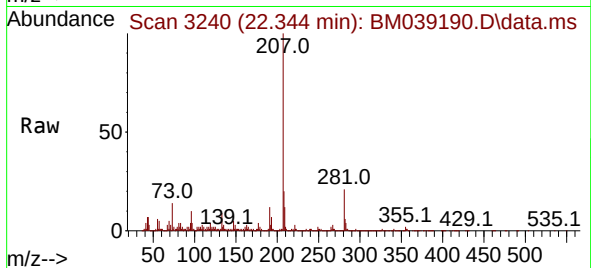
Tgt Ion:149 Resp: 2108

Ion Ratio Lower Upper

149 100

167 15.5 1.2 1.8#

43 92.4 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3509

Delta R.T. -0.000 min

Lab File: BM039190.D

Acq: 28 Mar 2023 21:36

Tgt Ion:264 Resp: 1002295

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.3 17.9 26.9

