

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039191.D
 Acq On : 28 Mar 2023 22:13
 Operator : CG/JU
 Sample : 02105-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL2-0327

Quant Time: Mar 29 01:33:10 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)

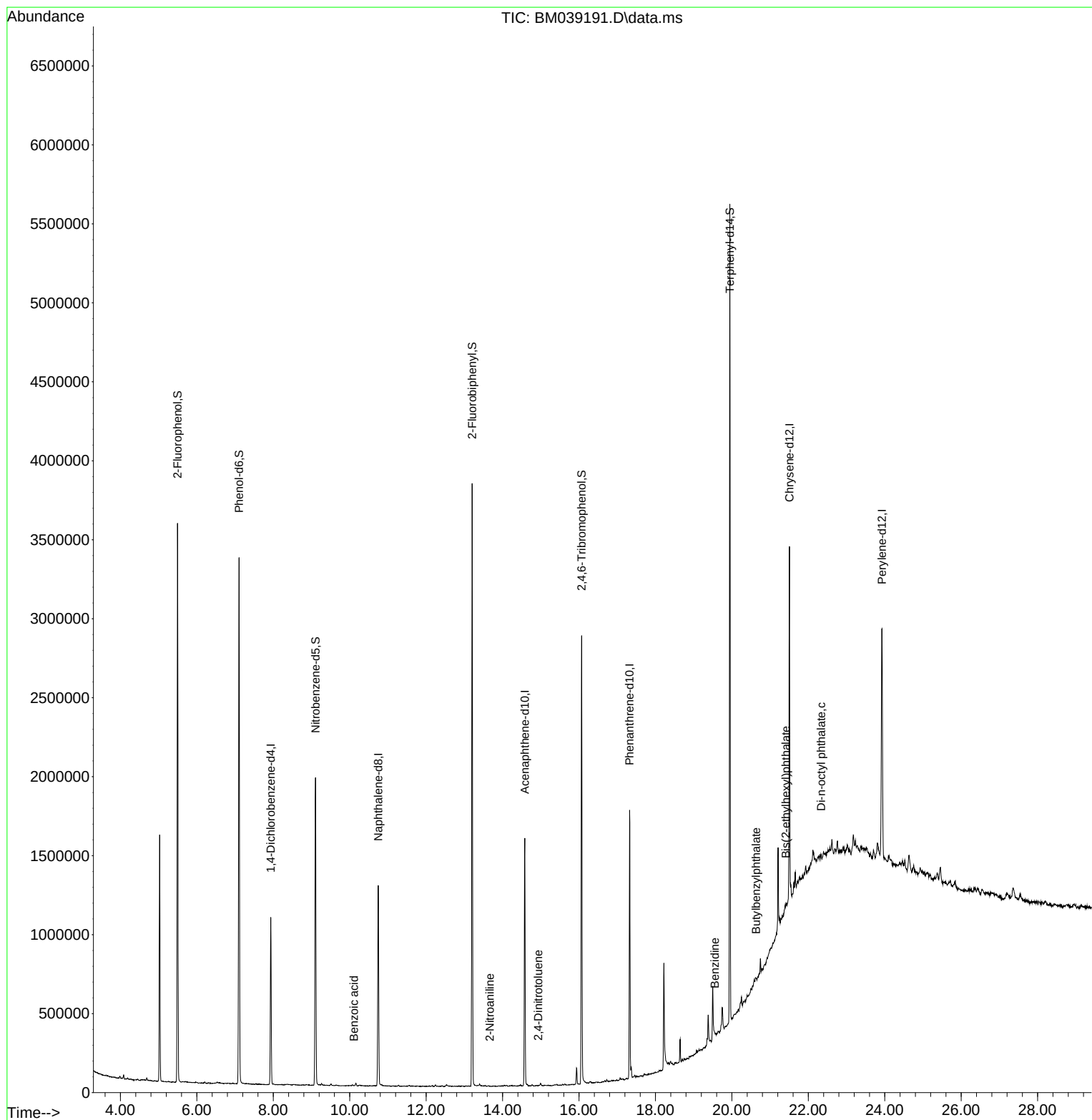
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	276507	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1057014	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	532971	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	980130	20.000	ng	0.00
76) Chrysene-d12	21.503	240	961944	20.000	ng	0.00
86) Perylene-d12	23.927	264	1083135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1543851	84.828	ng	0.00
7) Phenol-d6	7.104	99	1927226	81.525	ng	0.00
23) Nitrobenzene-d5	9.104	82	1137737	52.872	ng	0.00
42) 2,4,6-Tribromophenol	16.069	330	498308	80.820	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	1933675	47.231	ng	0.00
79) Terphenyl-d14	19.945	244	2365528	44.961	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.110	122	65	5.737	ng	# 1
48) 2-Nitroaniline	13.669	65	508	2.260	ng	# 34
57) 2,4-Dinitrotoluene	14.927	165	228	2.090	ng	# 20
77) Benzidine	19.551	184	139	4.882	ng	# 1
80) Butylbenzylphthalate	20.633	149	2636	3.396	ng	# 50
84) Bis(2-ethylhexyl)phtha...	21.415	149	6616	2.626	ng	# 98
85) Di-n-octyl phthalate	22.333	149	1167	3.811	ng	# 1

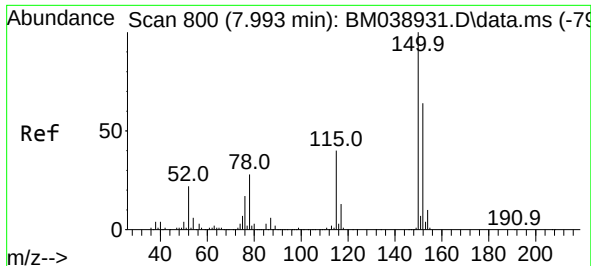
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
Data File : BM039191.D
Acq On : 28 Mar 2023 22:13
Operator : CG/JU
Sample : 02105-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

Quant Time: Mar 29 01:33:10 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

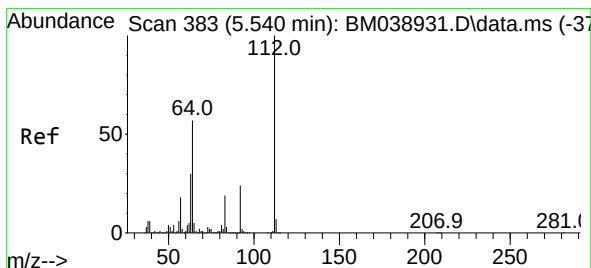
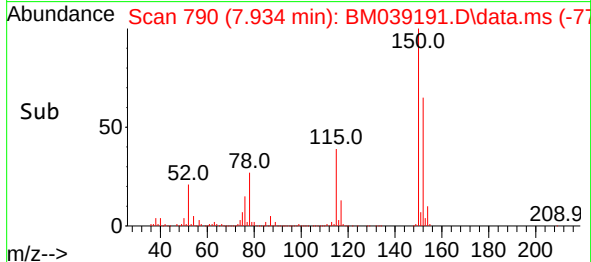
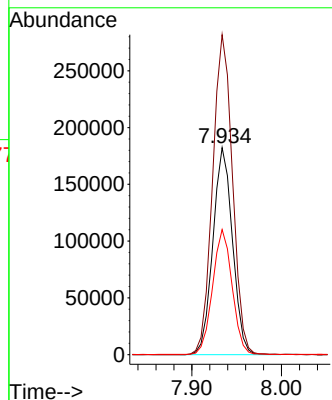
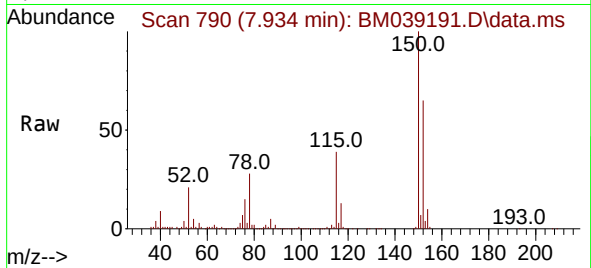




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.934 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

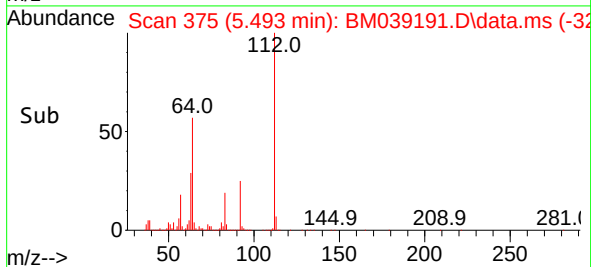
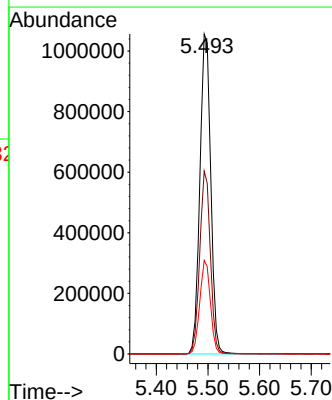
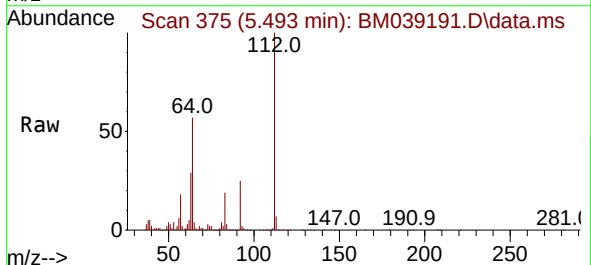
Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL2-0327

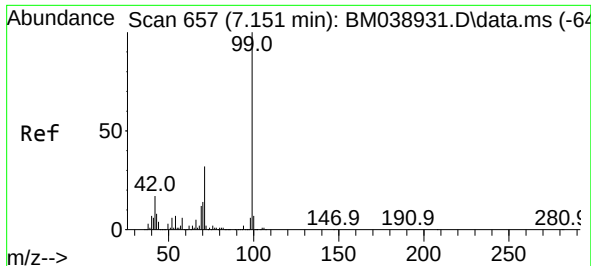
Tgt Ion:152 Resp: 276507
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.1 187.7
 115 60.4 49.6 74.4



#5
 2-Fluorophenol
 Concen: 84.828 ng
 RT: 5.493 min Scan# 375
 Delta R.T. -0.006 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

Tgt Ion:112 Resp: 1543851
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.9 68.9
 63 29.3 23.8 35.8



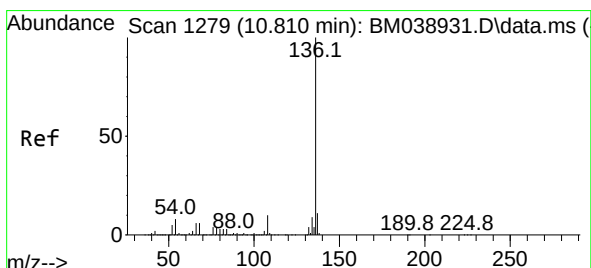
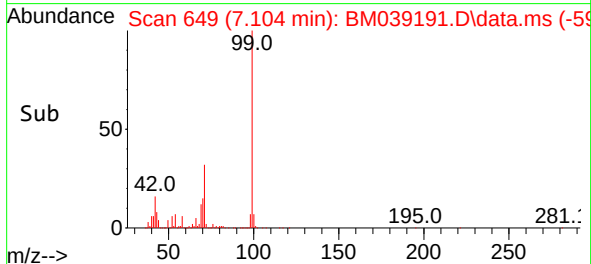
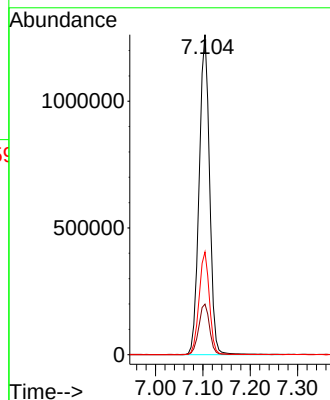
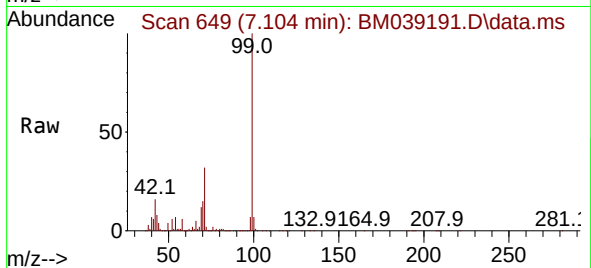


#7
Phenol-d6
Concen: 81.525 ng
RT: 7.104 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

Tgt Ion: 99 Resp: 1927226

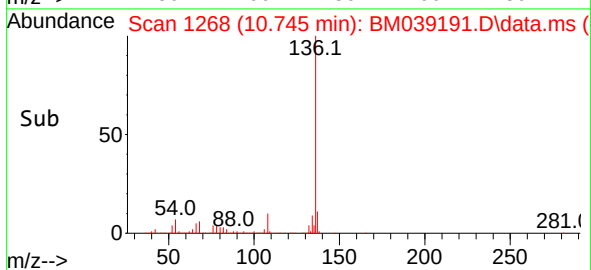
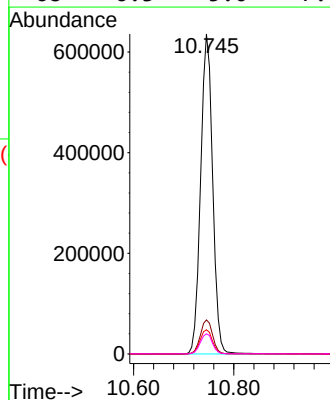
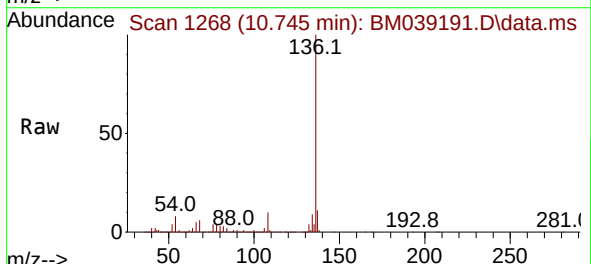
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	32.1	25.6	38.4

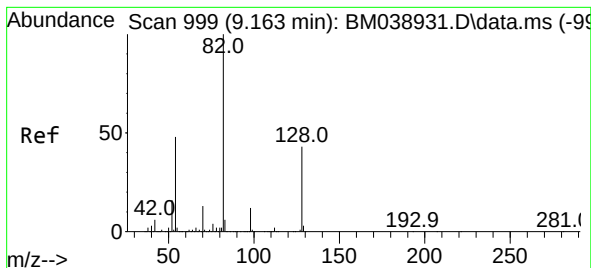


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Tgt Ion: 136 Resp: 1057014

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.5	6.3	9.5
68	6.3	5.0	7.6

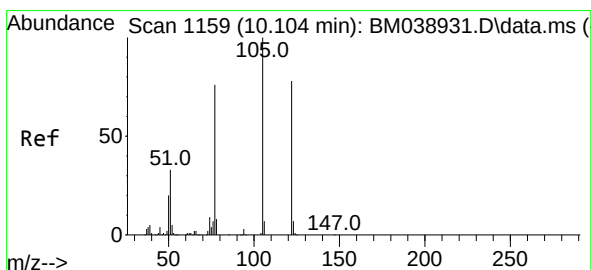
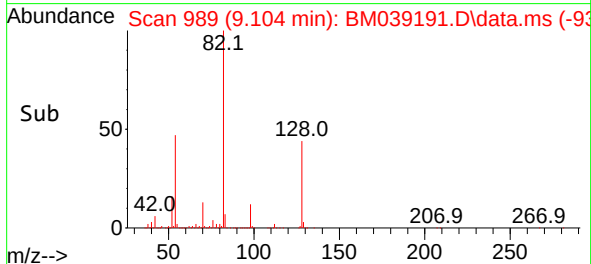
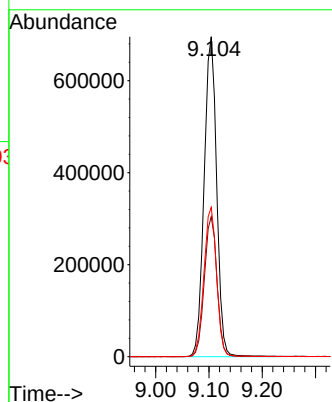
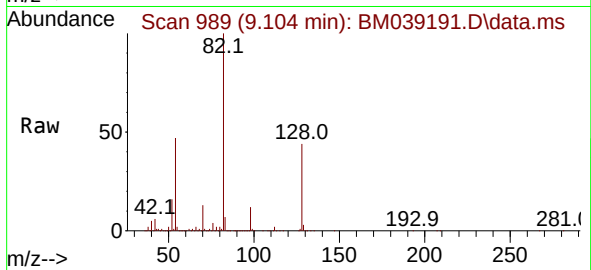




#23
Nitrobenzene-d5
Concen: 52.872 ng
RT: 9.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

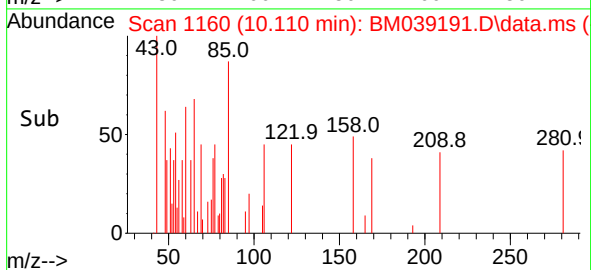
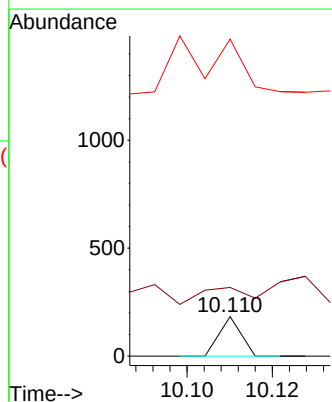
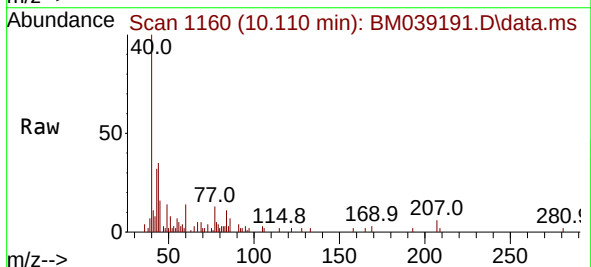
Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

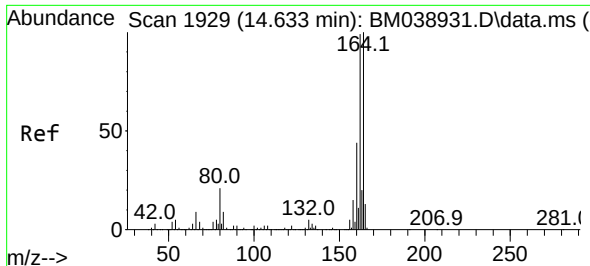
Tgt Ion: 82 Resp: 1137737
Ion Ratio Lower Upper
82 100
128 43.7 34.4 51.6
54 46.7 38.8 58.2



#32
Benzoic acid
Concen: 5.737 ng
RT: 10.110 min Scan# 1160
Delta R.T. 0.012 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Tgt Ion: 122 Resp: 65
Ion Ratio Lower Upper
122 100
105 173.8 104.2 144.2#
77 802.2 75.1 115.1#

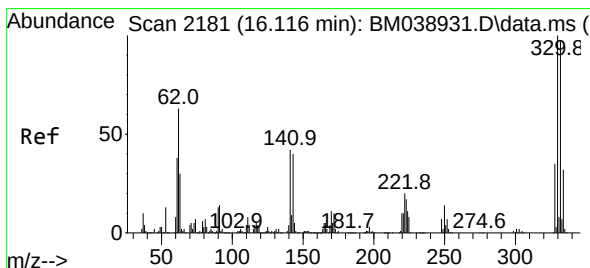
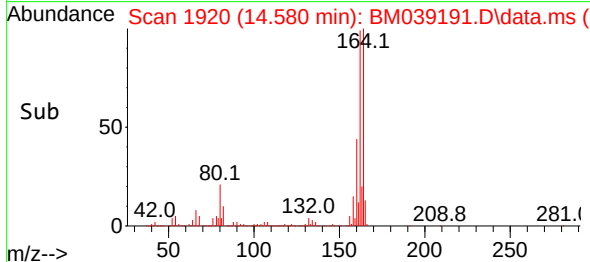
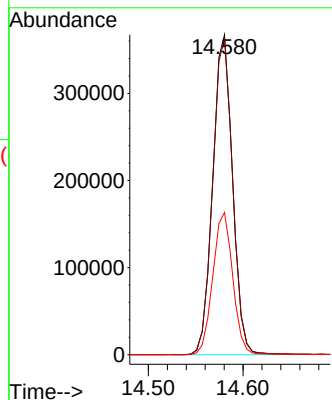
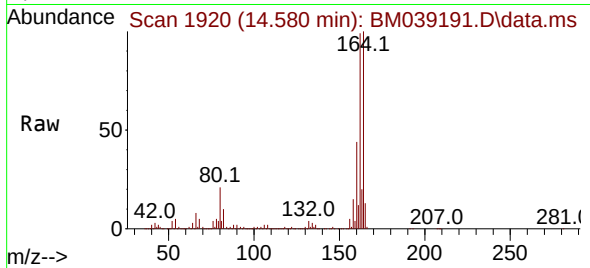




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

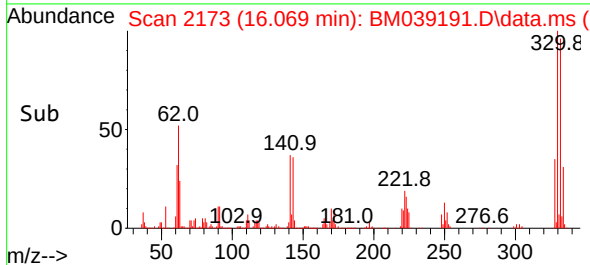
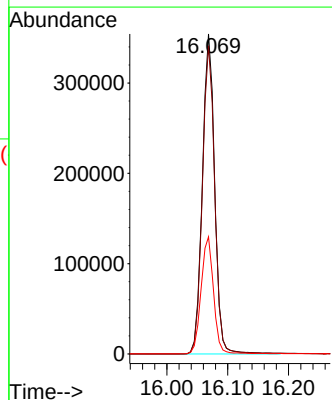
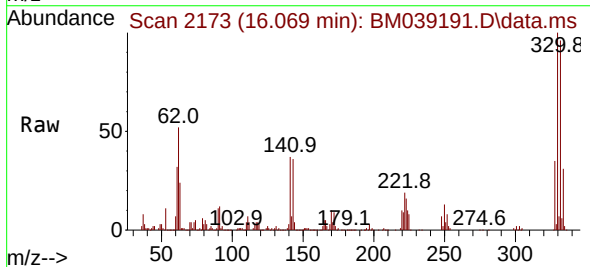
Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

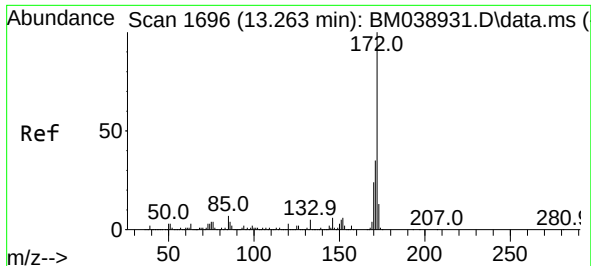
Tgt Ion:164 Resp: 532971
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 44.5 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 80.820 ng
RT: 16.069 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Tgt Ion:330 Resp: 498308
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 37.0 32.2 48.4

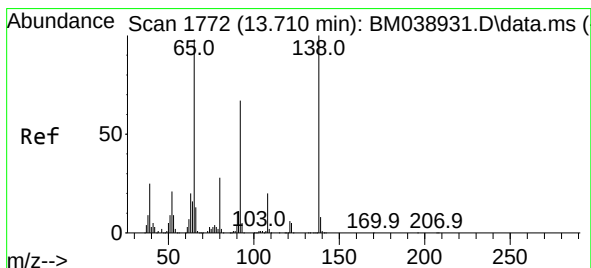
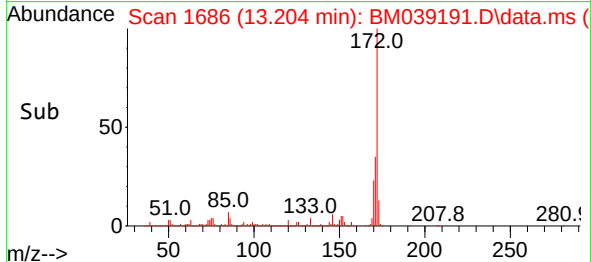
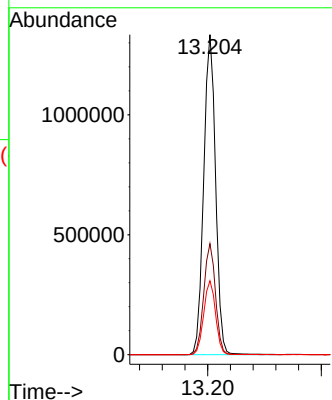
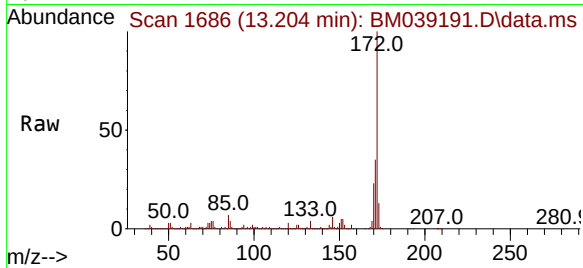




#45
2-Fluorobiphenyl
Concen: 47.231 ng
RT: 13.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

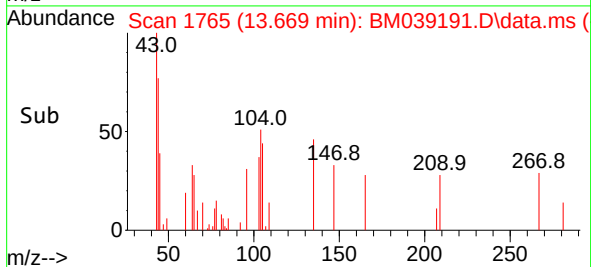
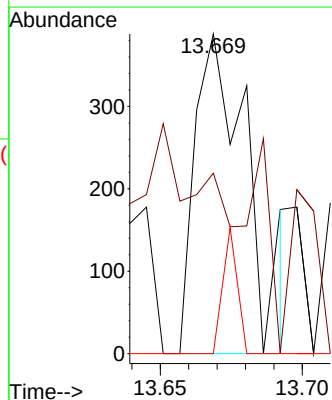
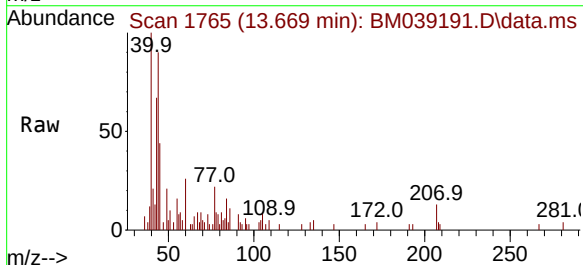
Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

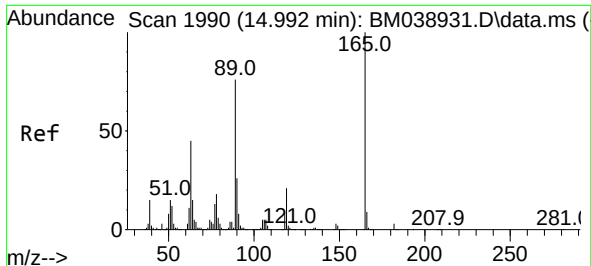
Tgt Ion:172 Resp: 1933675
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.1 19.1 28.7



#48
2-Nitroaniline
Concen: 2.260 ng
RT: 13.669 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Tgt Ion: 65 Resp: 508
Ion Ratio Lower Upper
65 100
92 56.4 54.9 82.3
138 0.0 81.6 122.4#

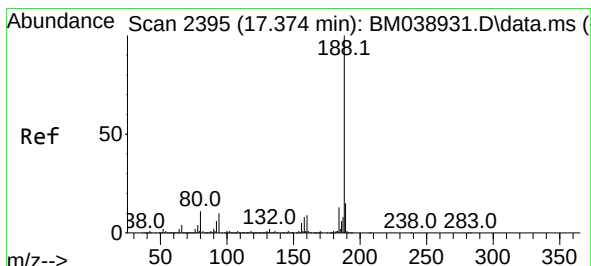
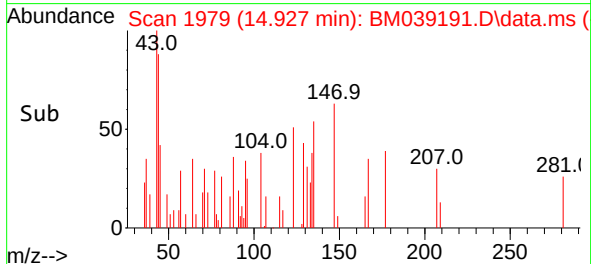
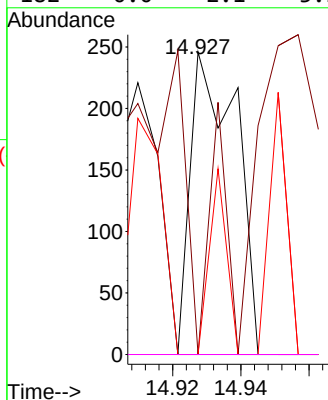
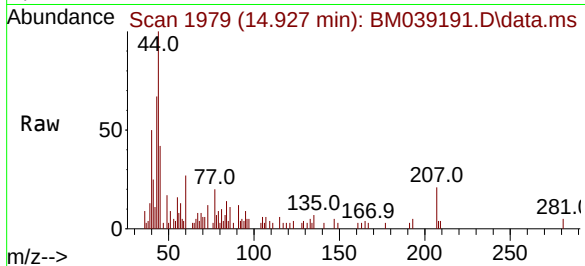




#57
2,4-Dinitrotoluene
Concen: 2.090 ng
RT: 14.927 min Scan# 1990
Delta R.T. -0.023 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

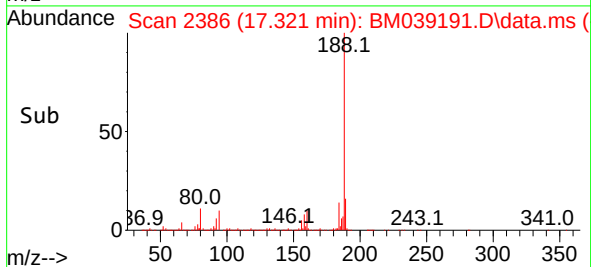
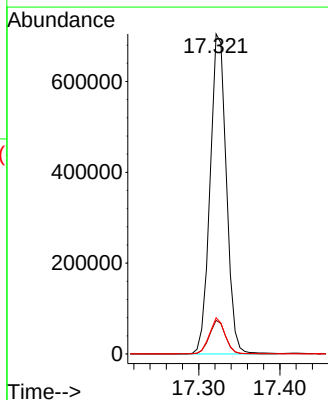
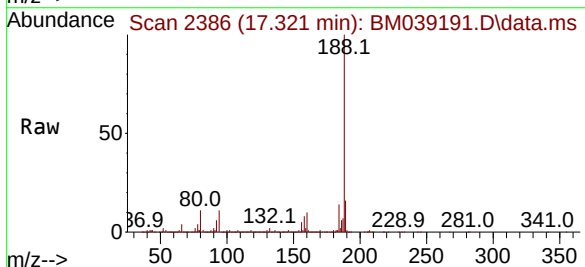
Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

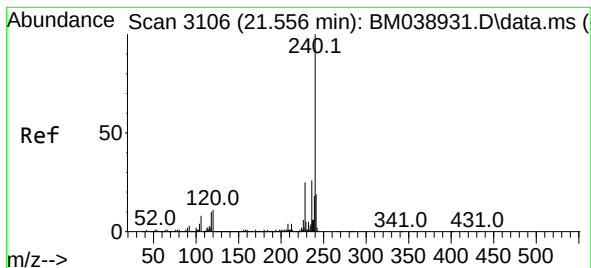
Tgt Ion:165 Resp: 228
Ion Ratio Lower Upper
165 100
63 0.0 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Tgt Ion:188 Resp: 980130
Ion Ratio Lower Upper
188 100
94 10.5 7.9 11.9
80 11.3 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM039191.D

Acq: 28 Mar 2023 22:13

Instrument :

BNA_M

ClientSampleId :

WV-SOIL2-0327

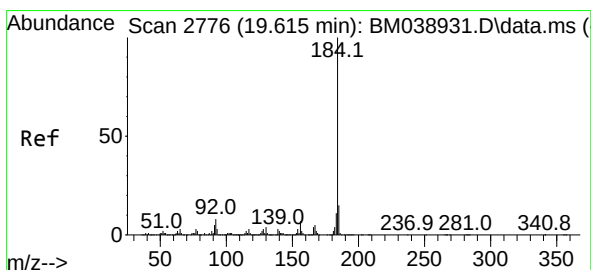
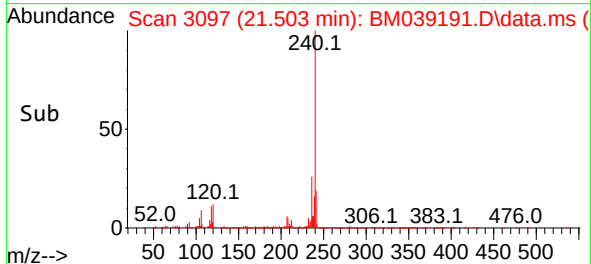
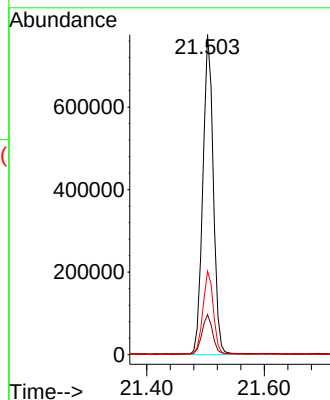
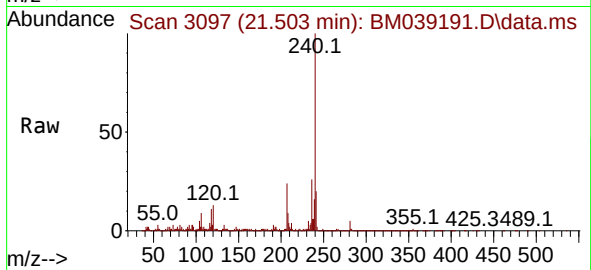
Tgt Ion:240 Resp: 961944

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

236 26.1 20.8 31.2



#77

Benzidine

Concen: 4.882 ng

RT: 19.551 min Scan# 2765

Delta R.T. -0.023 min

Lab File: BM039191.D

Acq: 28 Mar 2023 22:13

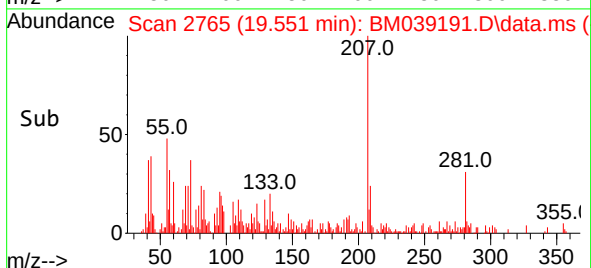
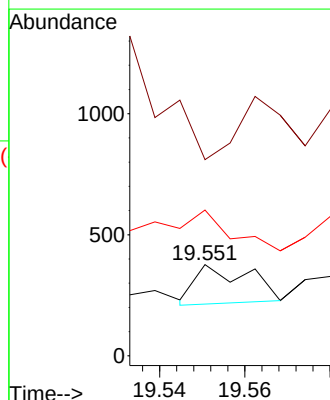
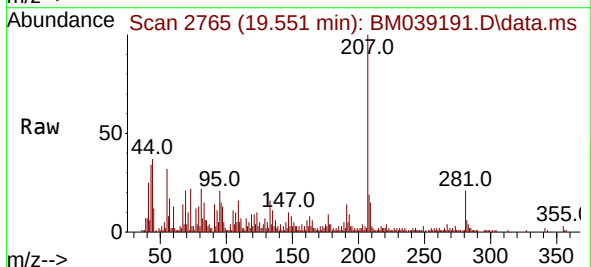
Tgt Ion:184 Resp: 139

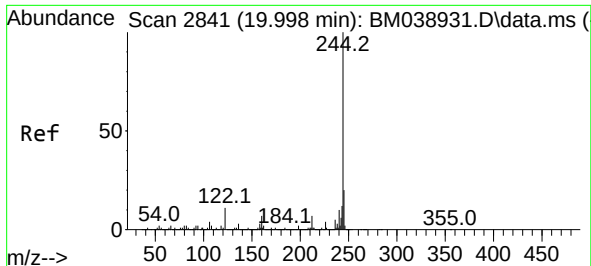
Ion Ratio Lower Upper

184 100

185 214.9 12.2 18.4#

183 159.7 8.8 13.2#

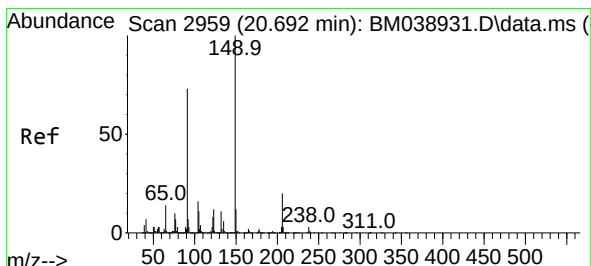
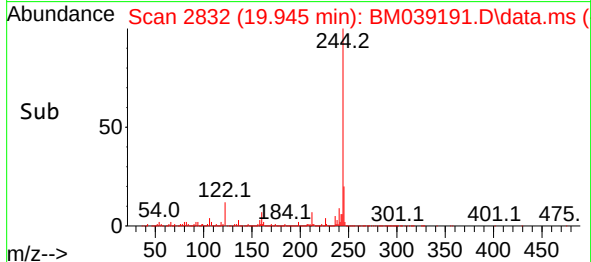
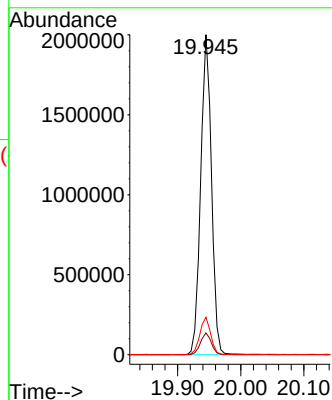
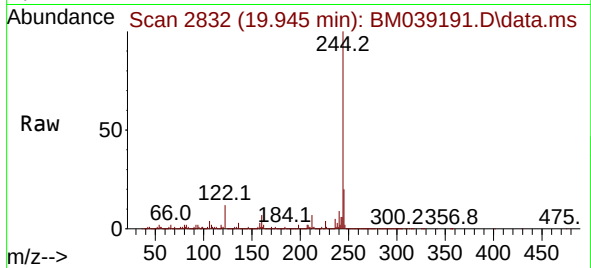




#79
 Terphenyl-d14
 Concen: 44.961 ng
 RT: 19.945 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

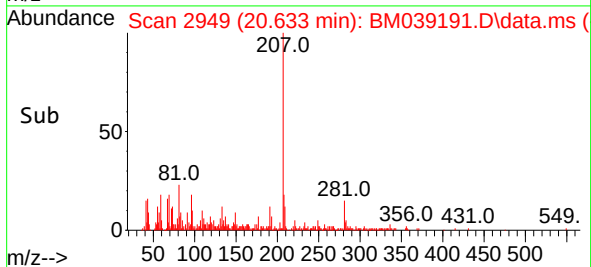
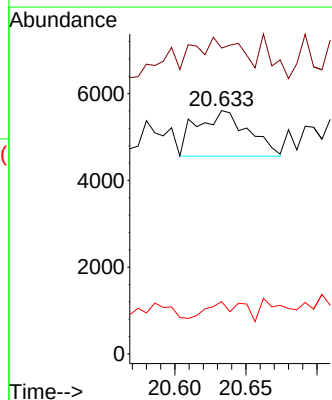
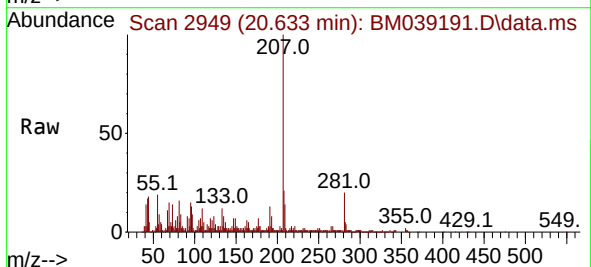
Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL2-0327

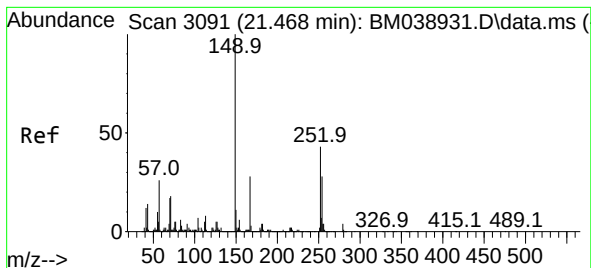
Tgt Ion:244 Resp: 2365528
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.7 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.396 ng
 RT: 20.633 min Scan# 2949
 Delta R.T. -0.012 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

Tgt Ion:149 Resp: 2636
 Ion Ratio Lower Upper
 149 100
 91 125.7 58.4 87.6#
 206 21.5 16.1 24.1

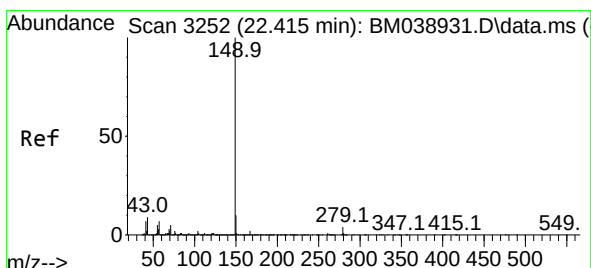
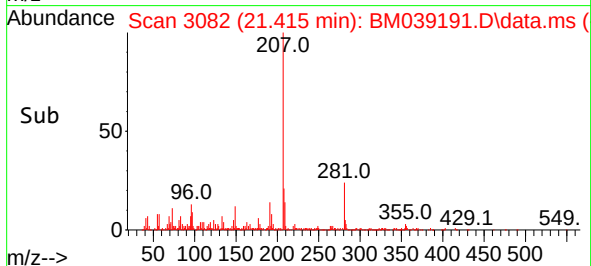
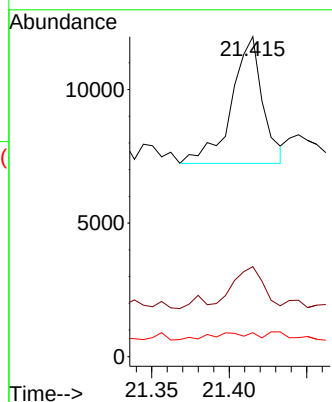
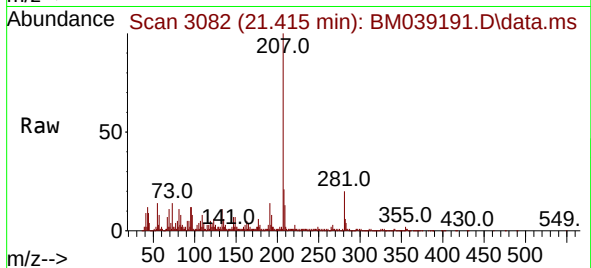




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.626 ng
 RT: 21.415 min Scan# 3091
 Delta R.T. 0.000 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

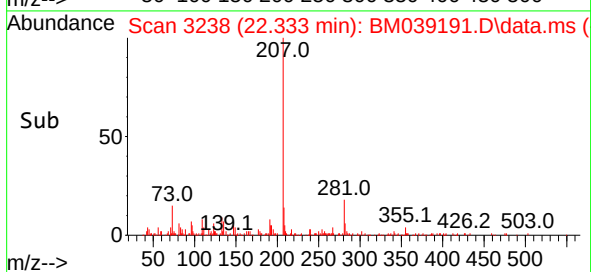
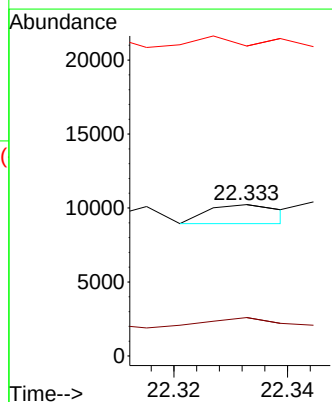
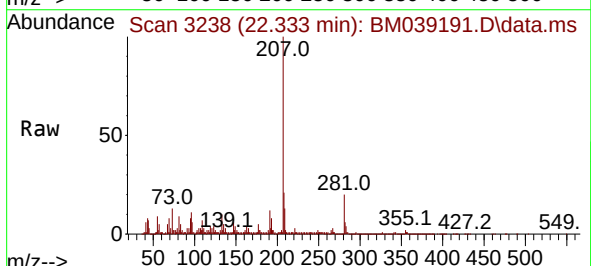
Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL2-0327

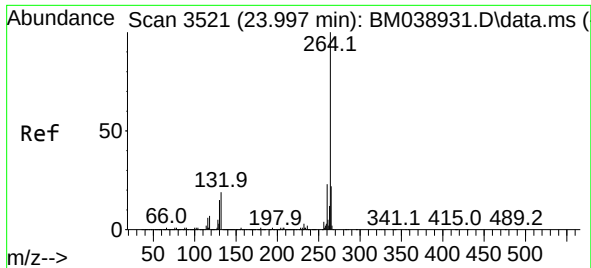
Tgt Ion:149 Resp: 6616
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.3 33.5
 279 7.5 3.2 4.8#



#85
 Di-n-octyl phthalate
 Concen: 3.811 ng
 RT: 22.333 min Scan# 3238
 Delta R.T. -0.012 min
 Lab File: BM039191.D
 Acq: 28 Mar 2023 22:13

Tgt Ion:149 Resp: 1167
 Ion Ratio Lower Upper
 149 100
 167 67.7 1.2 1.8#
 43 138.1 7.4 11.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039191.D
Acq: 28 Mar 2023 22:13

Instrument :
BNA_M
ClientSampleId :
WV-SOIL2-0327

Tgt Ion:264 Resp: 1083135

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.2	17.9	26.9

