

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039068.D
 Acq On : 21 Mar 2023 14:29
 Operator : CG/JU
 Sample : 01963-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NYE-SOIL-0316

Quant Time: Mar 22 03:39:58 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 22 03:36:20 2023
 Response via : Initial Calibration

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

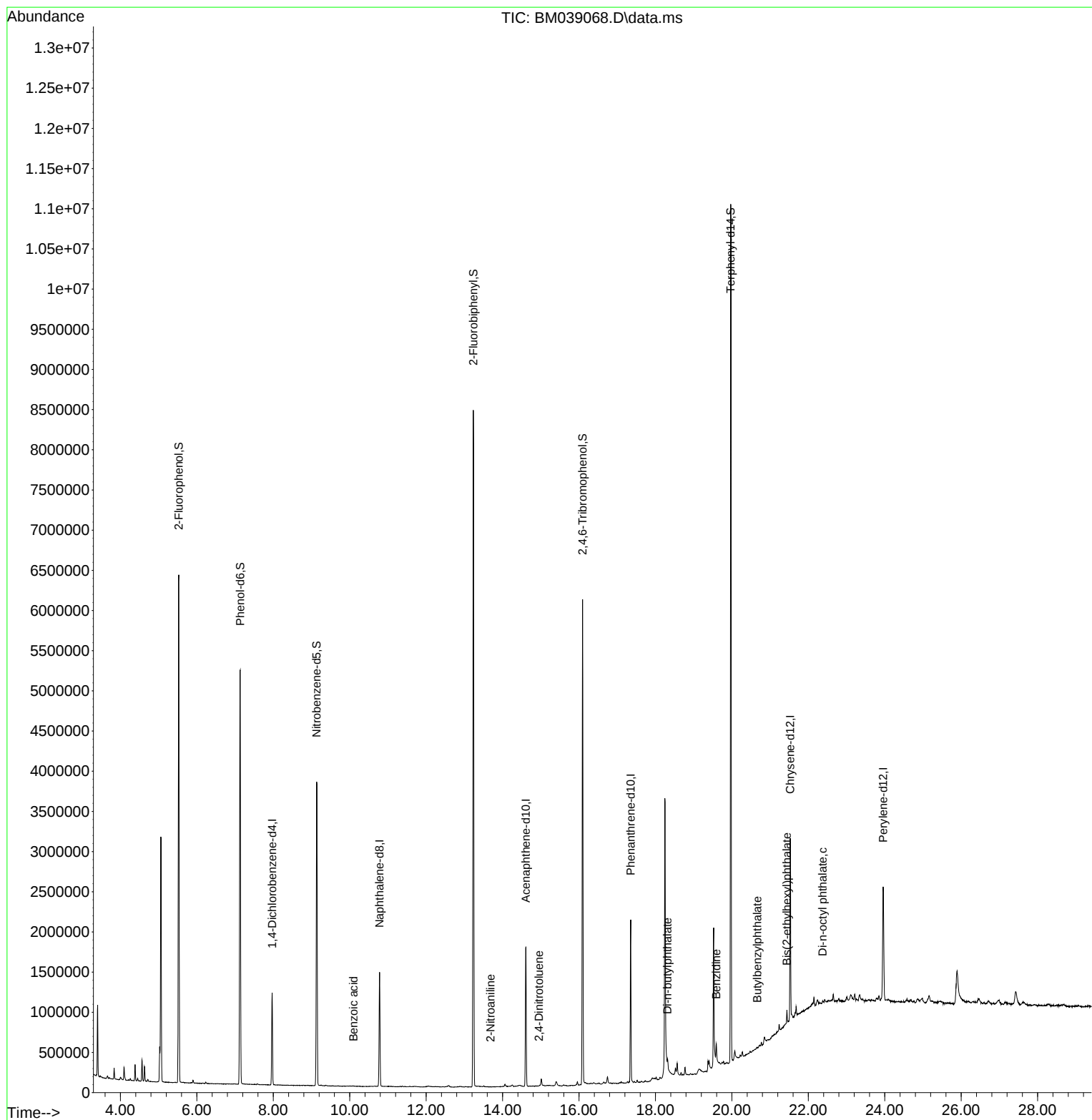
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	299769	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1126993	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	595246	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1138749	20.000	ng	0.00
76) Chrysene-d12	21.527	240	938742	20.000	ng	0.00
86) Perylene-d12	23.956	264	1037866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2771469	140.464	ng	0.00
7) Phenol-d6	7.134	99	3103298	121.088	ng	0.00
23) Nitrobenzene-d5	9.134	82	2219382	96.734	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	986127	143.206	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4259472	93.154	ng	0.00
79) Terphenyl-d14	19.968	244	5167999	100.654	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.098	122	288	5.752	ng	# 1
48) 2-Nitroaniline	13.686	65	301	2.239	ng	# 31
57) 2,4-Dinitrotoluene	14.951	165	387	2.099	ng	# 83
74) Di-n-butylphthalate	18.315	149	73936	2.758	ng	98
77) Benzidine	19.592	184	147113	11.053	ng	98
80) Butylbenzylphthalate	20.662	149	2499	3.394	ng	92
84) Bis(2-ethylhexyl)phtha...	21.439	149	57087	3.734	ng	99
85) Di-n-octyl phthalate	22.374	149	11890	3.949	ng	# 62

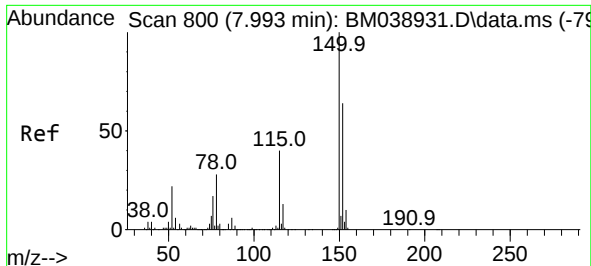
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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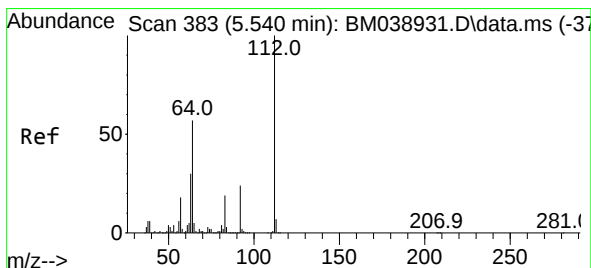
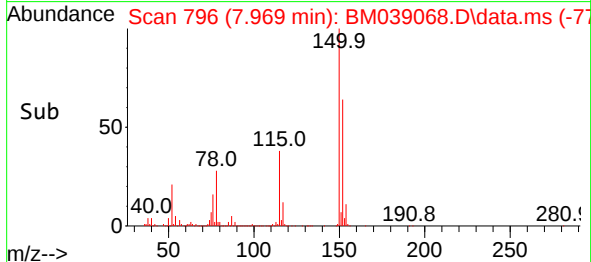
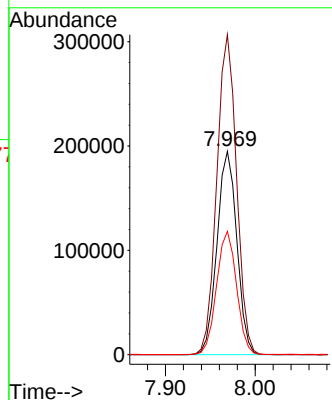
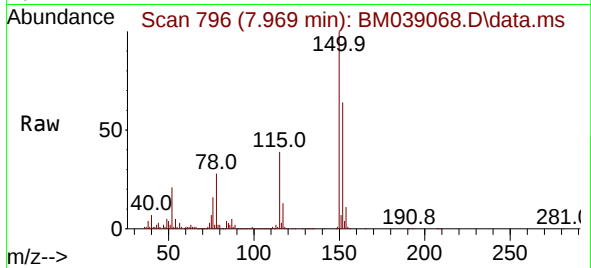




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

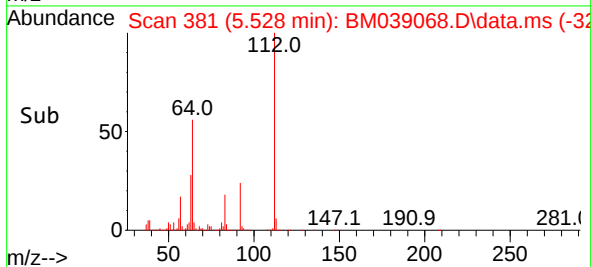
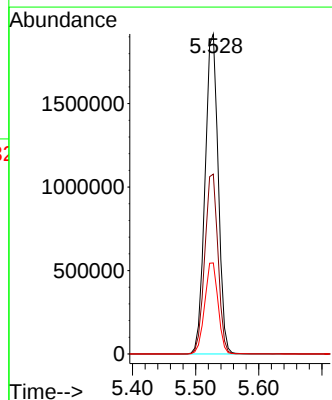
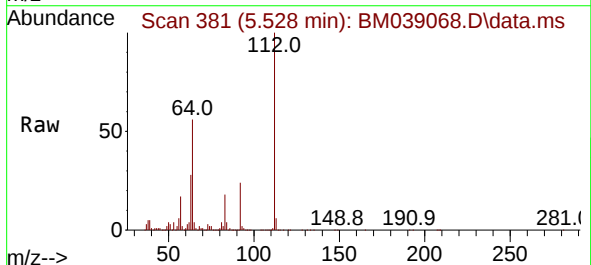
Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

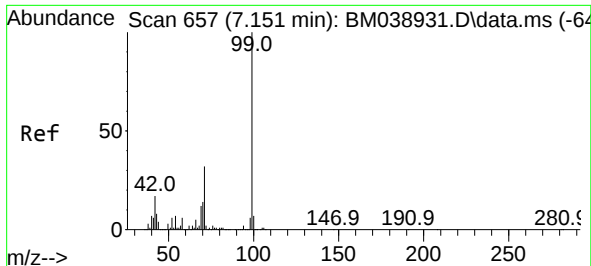
Tgt Ion:152 Resp: 299769
Ion Ratio Lower Upper
152 100
150 157.3 125.1 187.7
115 60.7 49.6 74.4



#5
2-Fluorophenol
Concen: 140.464 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:112 Resp: 2771469
Ion Ratio Lower Upper
112 100
64 56.2 45.9 68.9
63 28.4 23.8 35.8



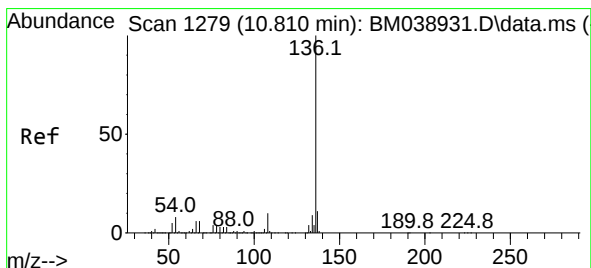
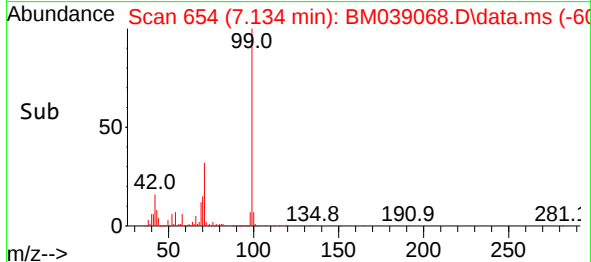
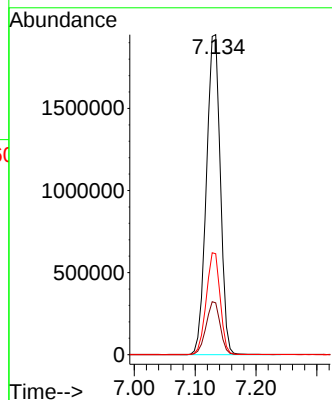
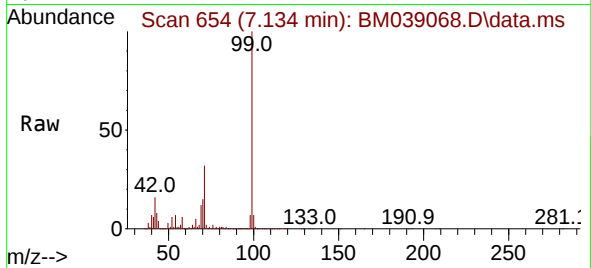


#7
Phenol-d6
Concen: 121.088 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

Tgt Ion: 99 Resp: 3103298

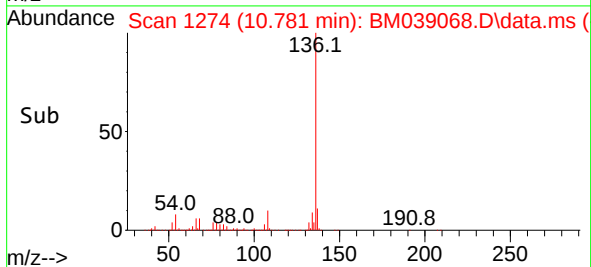
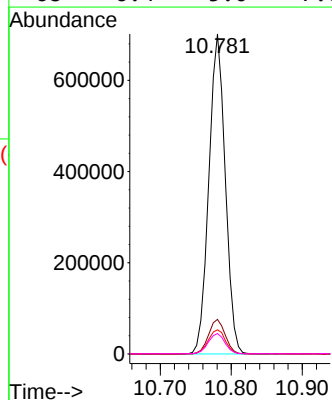
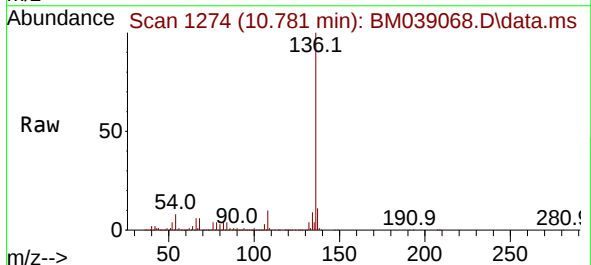
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	31.6	25.6	38.4

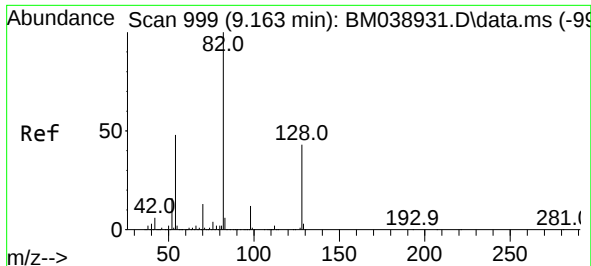


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion: 136 Resp: 1126993

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	6.3	9.5
68	6.4	5.0	7.6

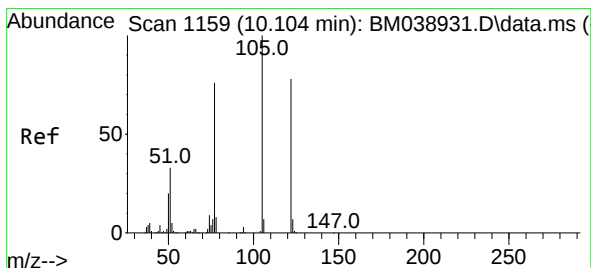
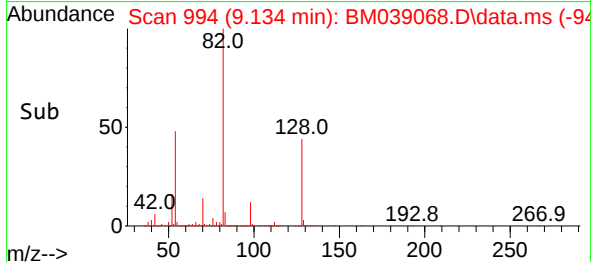
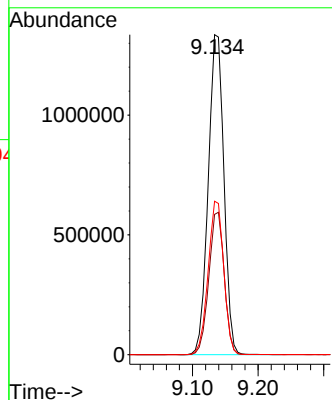
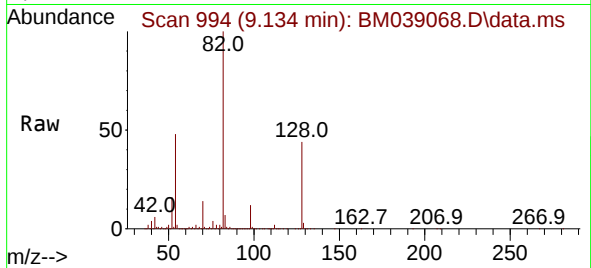




#23
Nitrobenzene-d5
Concen: 96.734 ng
RT: 9.134 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

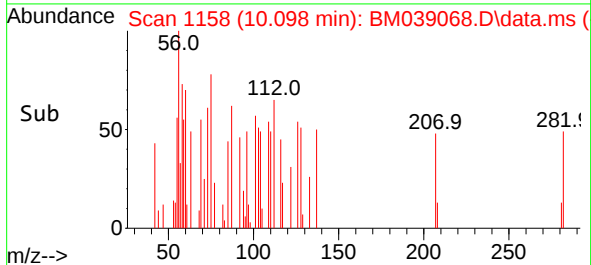
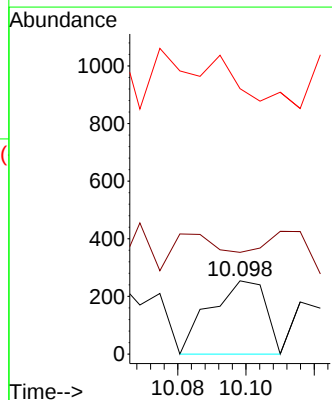
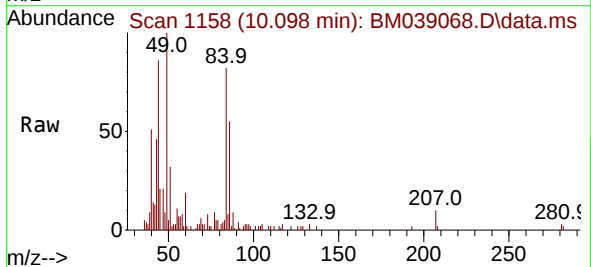
Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

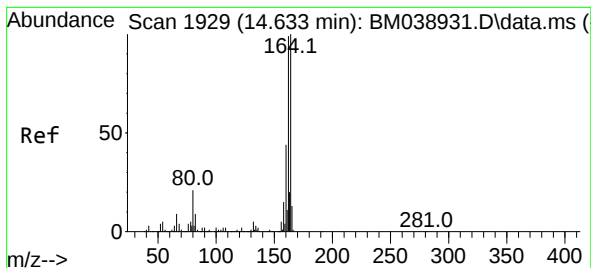
Tgt Ion: 82 Resp: 2219382
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 47.9 38.8 58.2



#32
Benzoic acid
Concen: 5.752 ng
RT: 10.098 min Scan# 1158
Delta R.T. 0.012 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:122 Resp: 288
Ion Ratio Lower Upper
122 100
105 139.0 104.2 144.2
77 362.6 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

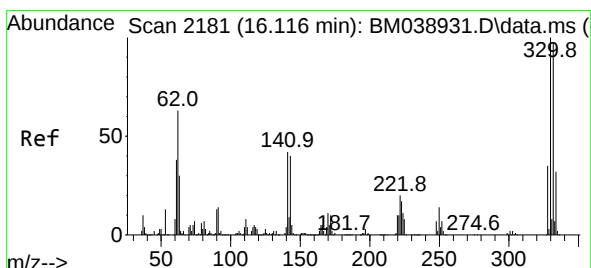
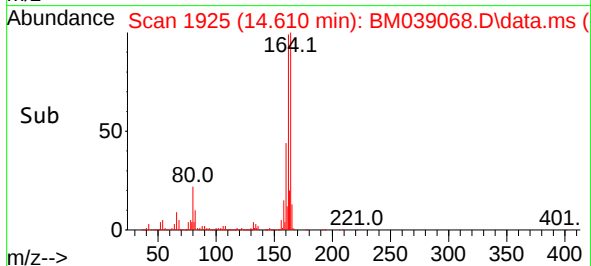
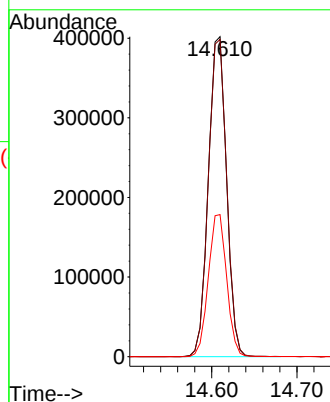
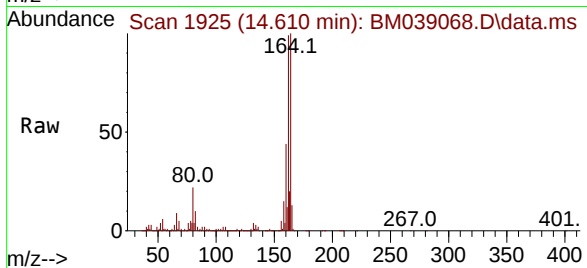
Tgt Ion:164 Resp: 595246

Ion Ratio Lower Upper

164 100

162 99.2 79.2 118.8

160 44.4 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 143.206 ng

RT: 16.092 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

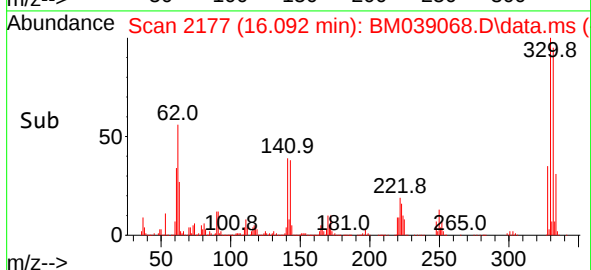
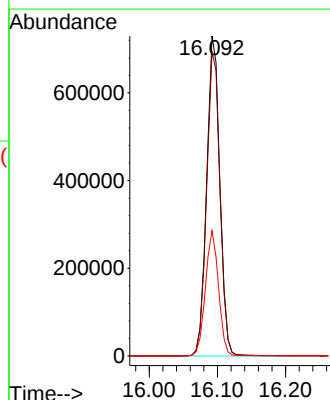
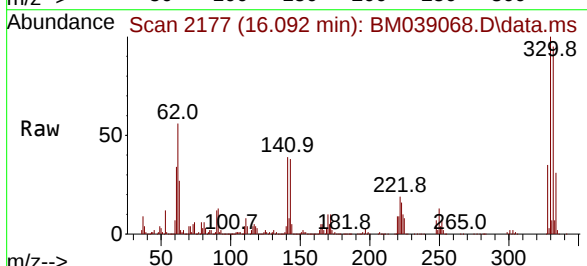
Tgt Ion:330 Resp: 986127

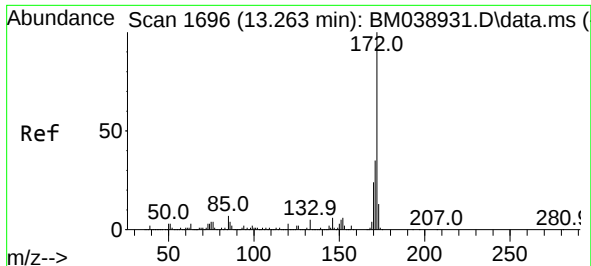
Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

141 38.8 32.2 48.4

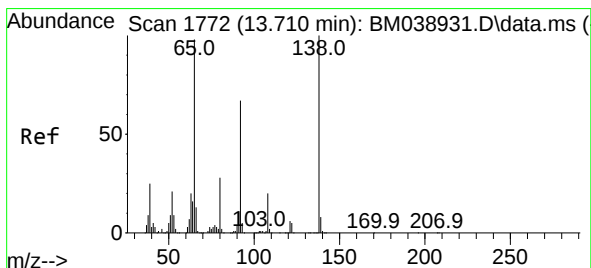
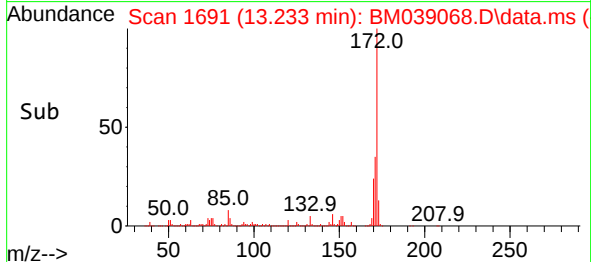
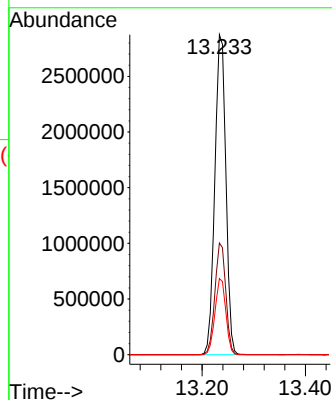
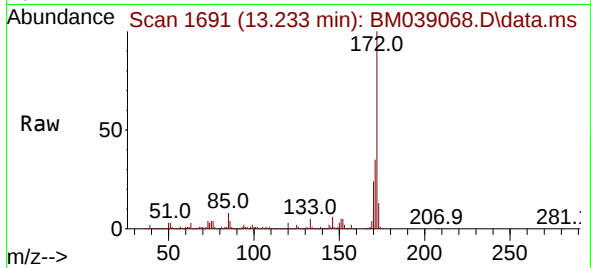




#45
2-Fluorobiphenyl
Concen: 93.154 ng
RT: 13.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

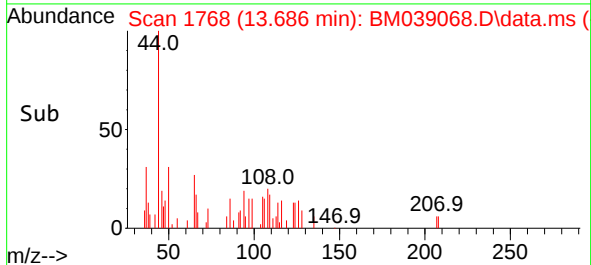
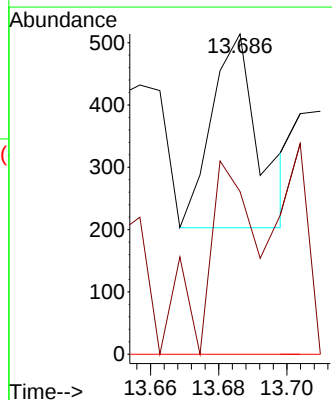
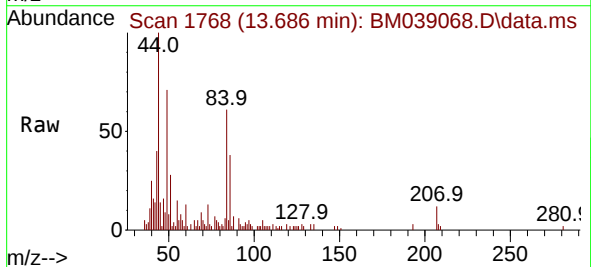
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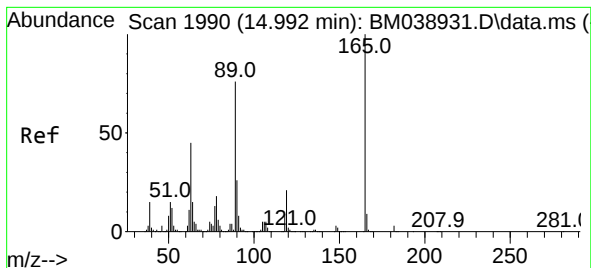
Tgt Ion:172 Resp: 4259472
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.8 19.1 28.7



#48
2-Nitroaniline
Concen: 2.239 ng
RT: 13.686 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion: 65 Resp: 301
Ion Ratio Lower Upper
65 100
92 50.8 54.9 82.3#
138 0.0 81.6 122.4#

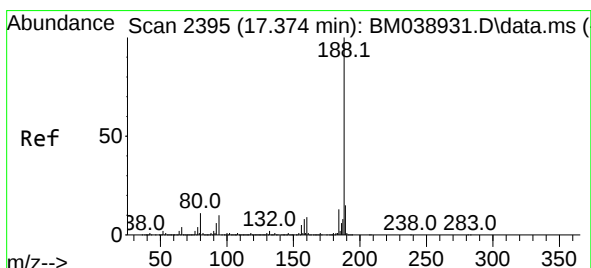
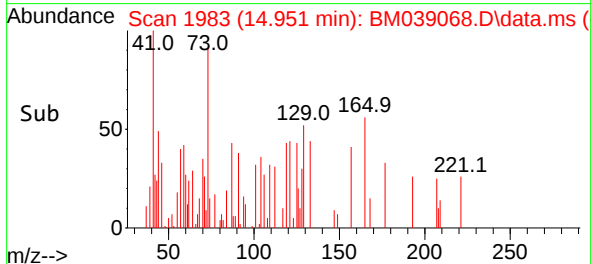
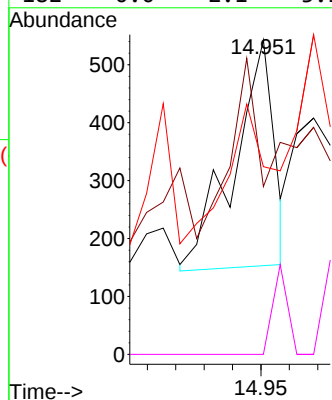
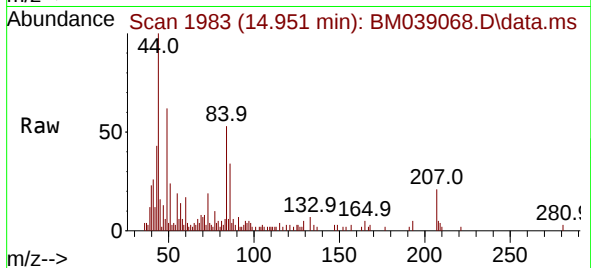




#57
2,4-Dinitrotoluene
Concen: 2.099 ng
RT: 14.951 min Scan# 1990
Delta R.T. -0.018 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

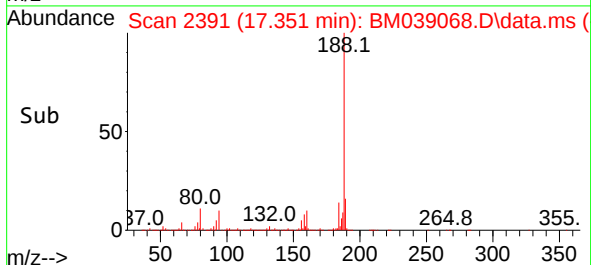
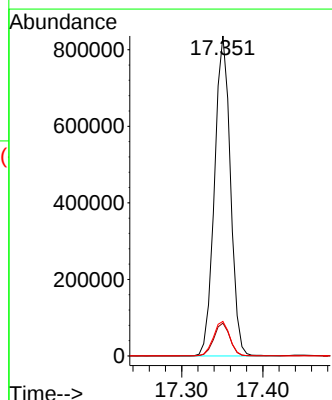
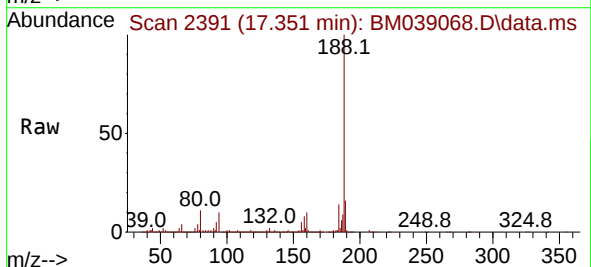
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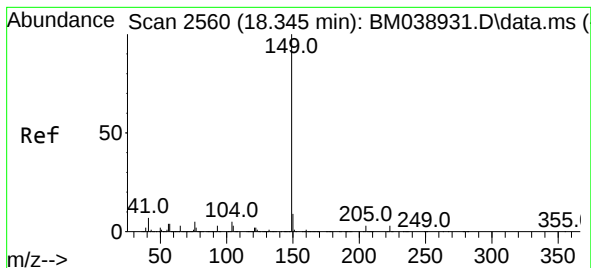
Tgt Ion:165 Resp: 387
Ion Ratio Lower Upper
165 100
63 53.4 35.9 53.9
89 59.7 61.0 91.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:188 Resp: 1138749
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 10.8 8.5 12.7





#74

Di-n-butylphthalate

Concen: 2.758 ng

RT: 18.315 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

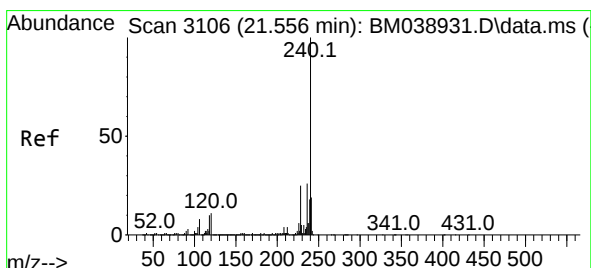
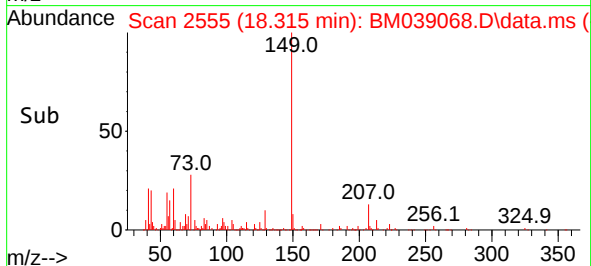
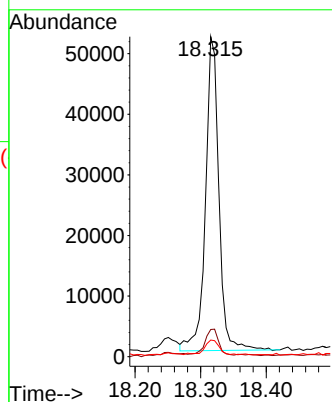
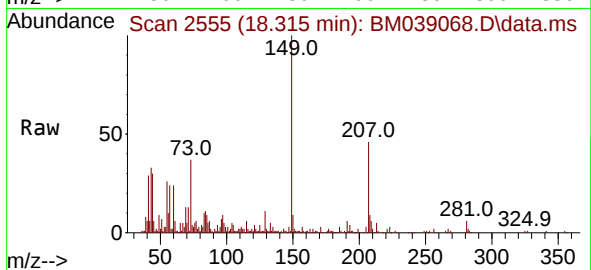
Tgt Ion:149 Resp: 73936

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 5.2 4.3 6.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

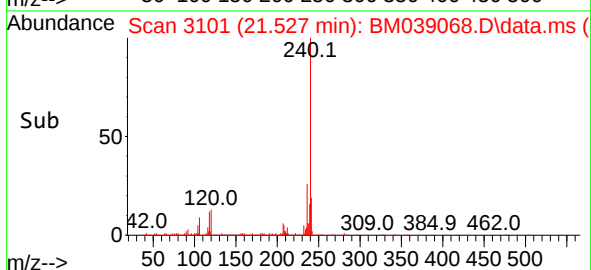
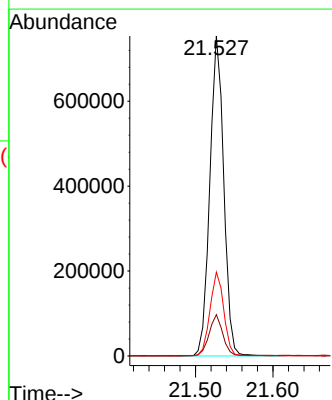
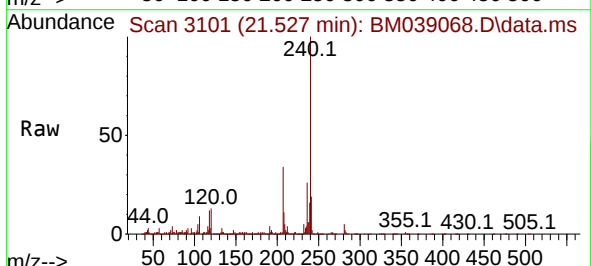
Tgt Ion:240 Resp: 938742

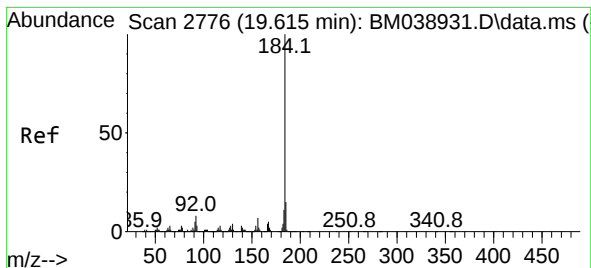
Ion Ratio Lower Upper

240 100

120 12.9 9.2 13.8

236 26.2 20.8 31.2





#77

Benzidine

Concen: 11.053 ng

RT: 19.592 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

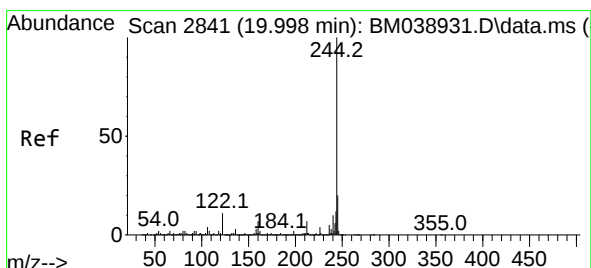
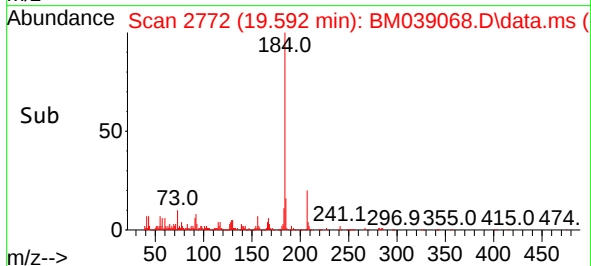
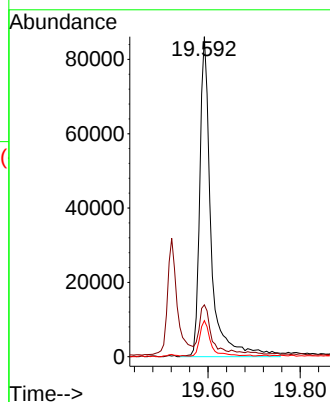
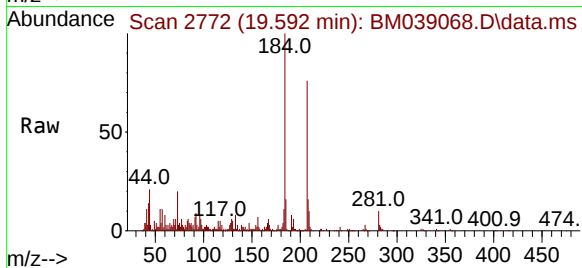
Tgt Ion:184 Resp: 147113

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.4

183 11.3 8.8 13.2



#79

Terphenyl-d14

Concen: 100.654 ng

RT: 19.968 min Scan# 2836

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

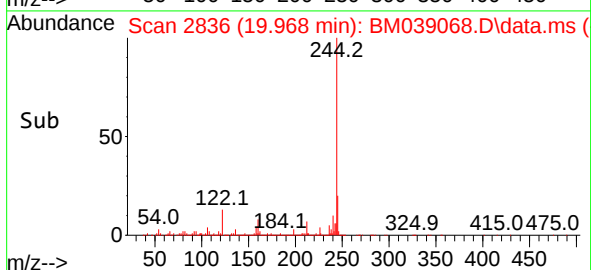
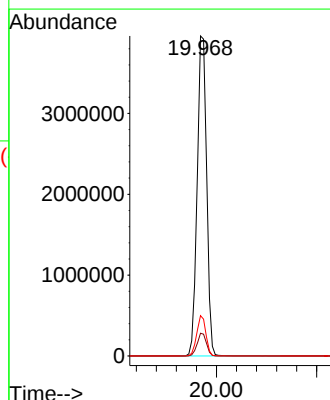
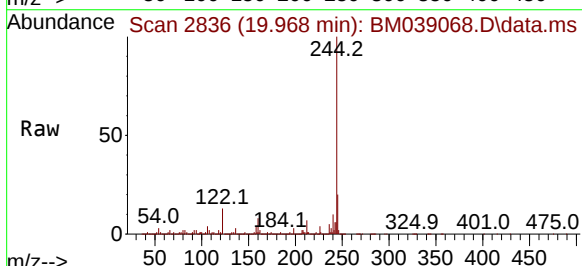
Tgt Ion:244 Resp: 5167999

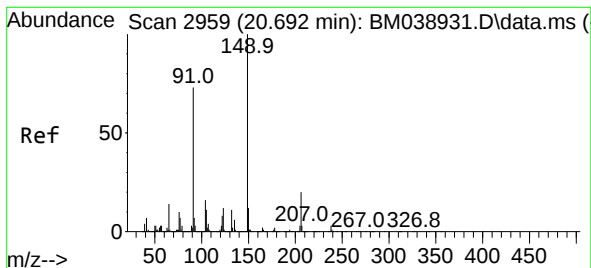
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.6 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.394 ng

RT: 20.662 min Scan# 2954

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

Instrument :

BNA_M

ClientSampleId :

NYE-SOIL-0316

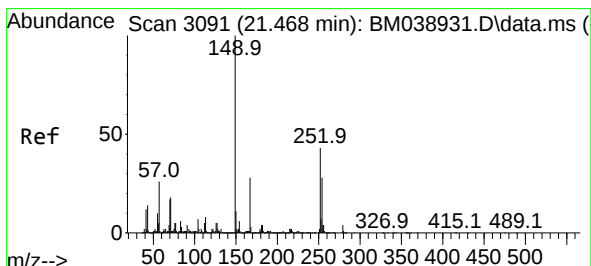
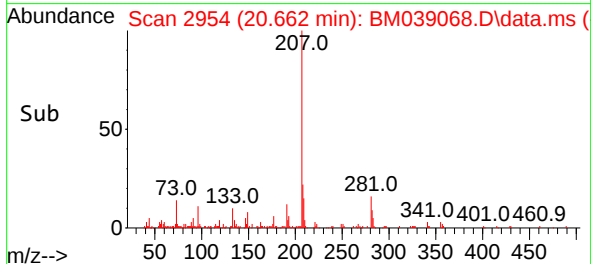
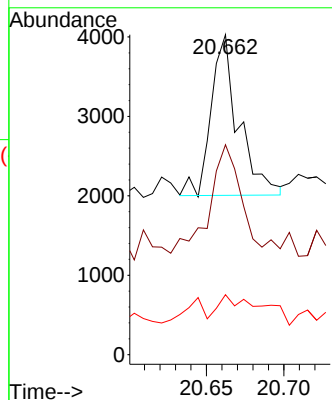
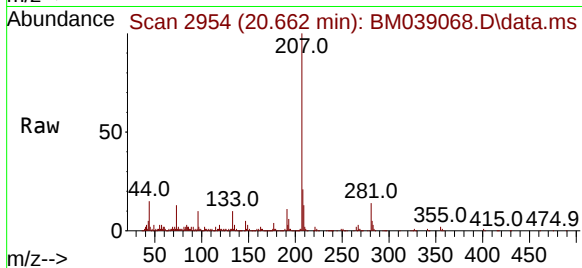
Tgt Ion:149 Resp: 2499

Ion Ratio Lower Upper

149 100

91 65.6 58.4 87.6

206 18.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.734 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039068.D

Acq: 21 Mar 2023 14:29

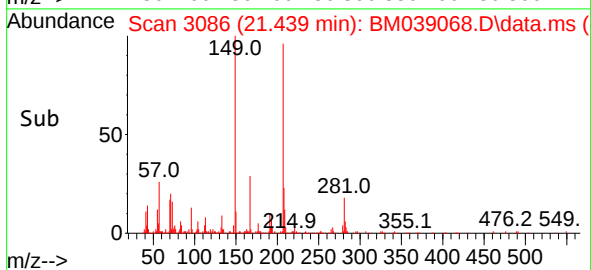
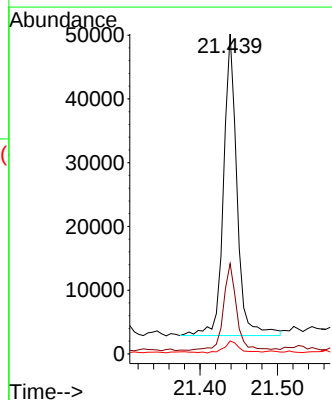
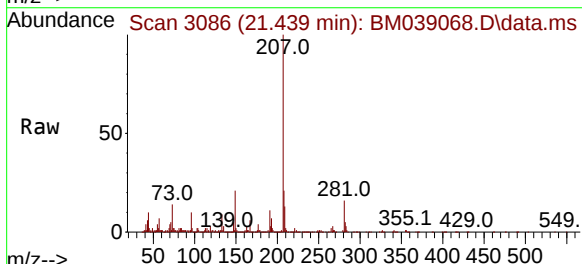
Tgt Ion:149 Resp: 57087

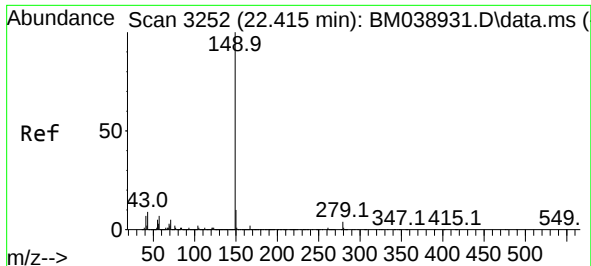
Ion Ratio Lower Upper

149 100

167 28.3 22.3 33.5

279 4.1 3.2 4.8

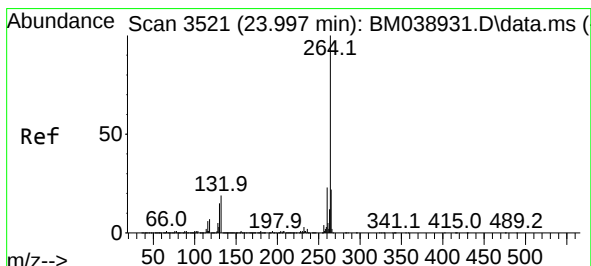
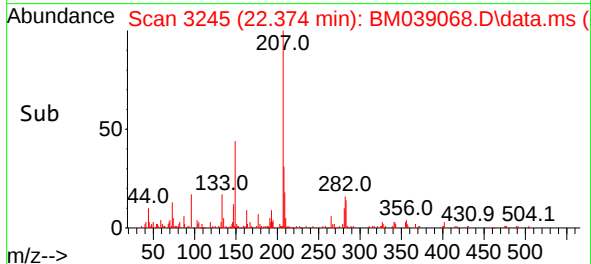
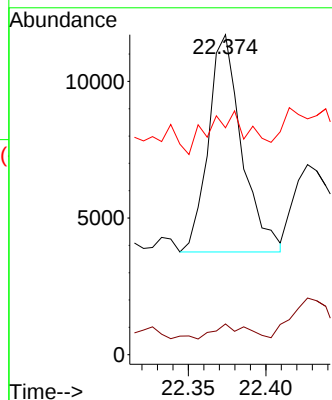
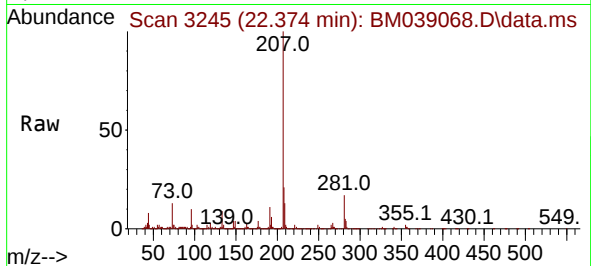




#85
Di-n-octyl phthalate
Concen: 3.949 ng
RT: 22.374 min Scan# 311
Delta R.T. 0.000 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316

Tgt Ion:149 Resp: 11890
Ion Ratio Lower Upper
149 100
167 5.7 1.2 1.8#
43 24.8 7.4 11.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.956 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM039068.D
Acq: 21 Mar 2023 14:29

Tgt Ion:264 Resp: 1037866
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 23.2 17.9 26.9

