

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014133.D
 Acq On : 17 Mar 2023 22:12
 Operator : CG/JU
 Sample : 01963-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NYE-SOIL-0316

Quant Time: Mar 18 00:28:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 00:19:43 2023
 Response via : Initial Calibration

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

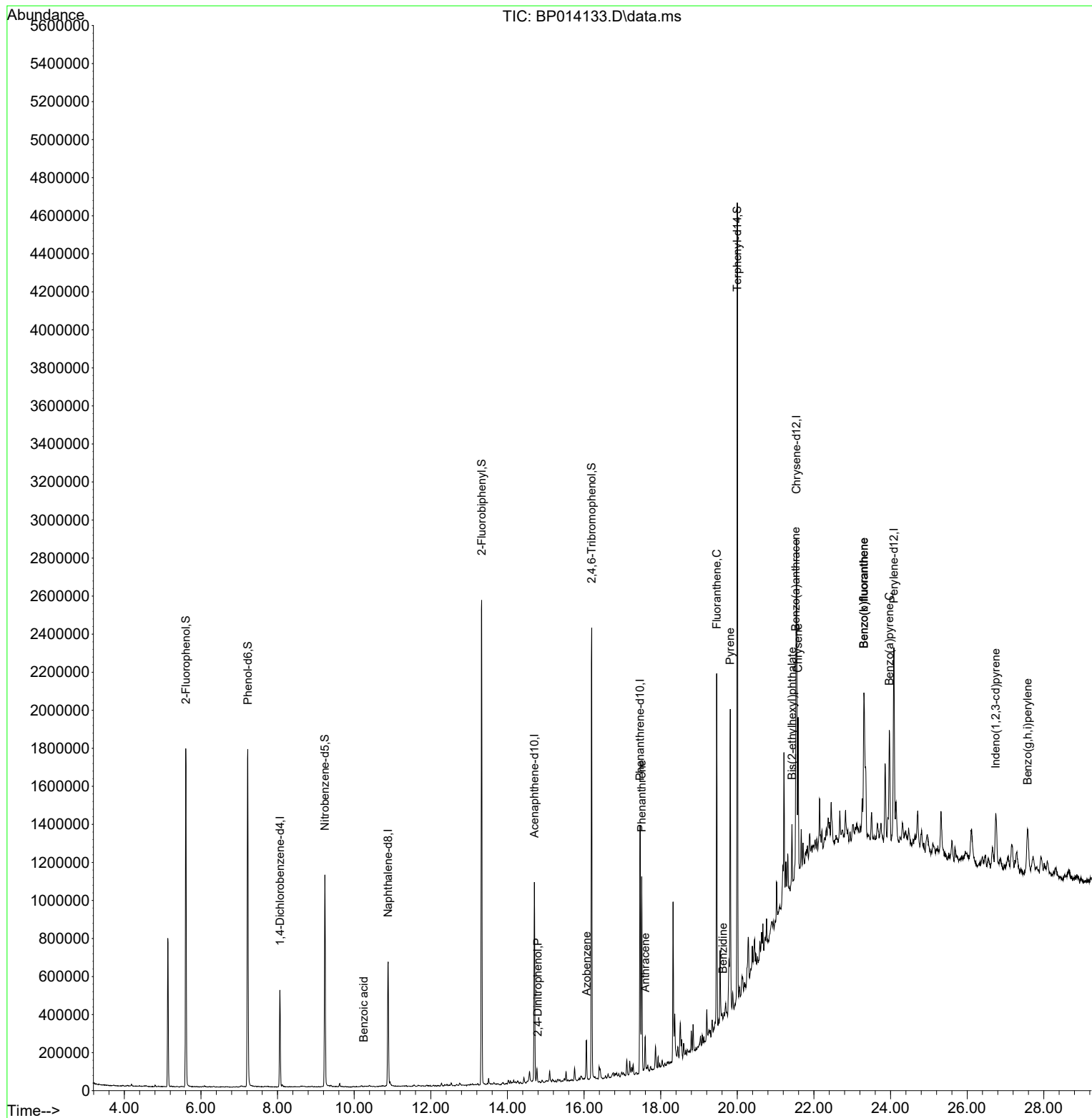
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	137129	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	533533	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	337325	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	755974	20.000	ng	0.00
76) Chrysene-d12	21.545	240	714826	20.000	ng	0.00
86) Perylene-d12	24.086	264	834355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	736124	87.057	ng	0.00
7) Phenol-d6	7.222	99	1004157	90.451	ng	0.00
23) Nitrobenzene-d5	9.234	82	667237	57.160	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	459241	83.968	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1305992	50.160	ng	0.00
79) Terphenyl-d14	19.998	244	1966630	45.366	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.245	122	163	2.723	ng	# 57
54) 2,4-Dinitrophenol	14.792	184	34	3.086	ng	# 1
63) Azobenzene	16.063	77	60943	2.397	ng	# 1
71) Phenanthrene	17.504	178	591019	13.994	ng	100
72) Anthracene	17.598	178	119981	2.780	ng	98
75) Fluoranthene	19.463	202	1053309	20.866	ng	98
77) Benzidine	19.627	184	89	2.840	ng	# 1
78) Pyrene	19.816	202	900291	16.409	ng	99
81) Benzo(a)anthracene	21.527	228	505297	9.634	ng	99
83) Chrysene	21.586	228	511323	10.294	ng	97
84) Bis(2-ethylhexyl)phtha...	21.427	149	94429	3.095	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.745	276	349033	5.414	ng	98
88) Benzo(b)fluoranthene	23.304	252	698939	12.793	ng	# 94
89) Benzo(k)fluoranthene	23.304	252	698939	12.903	ng	# 94
90) Benzo(a)pyrene	23.968	252	475876	9.132	ng	# 94
92) Benzo(g,h,i)perylene	27.580	276	337704	6.358	ng	99

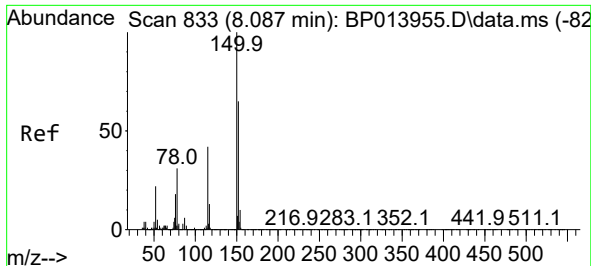
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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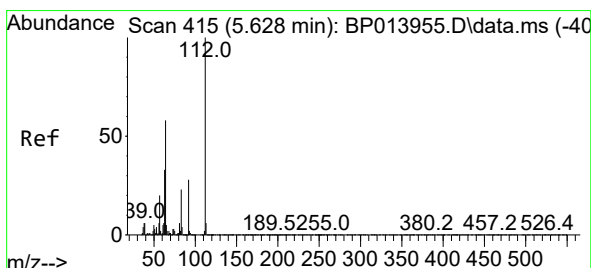
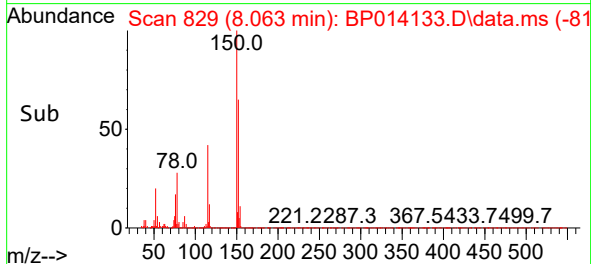
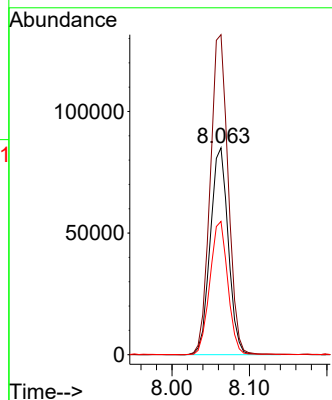
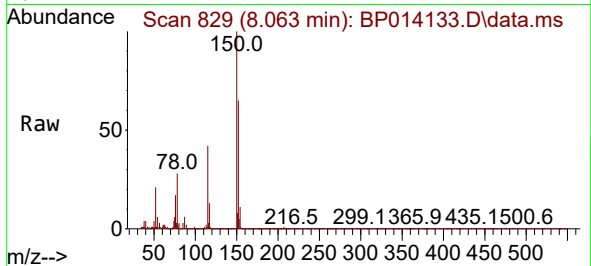




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

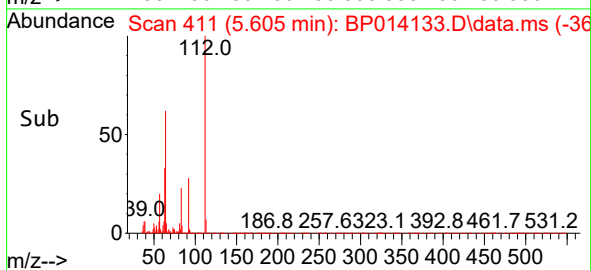
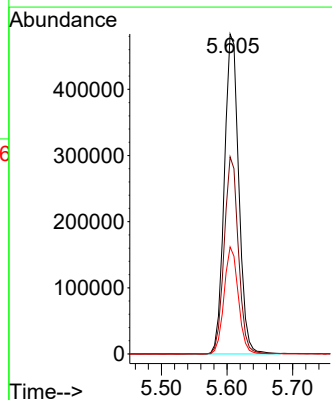
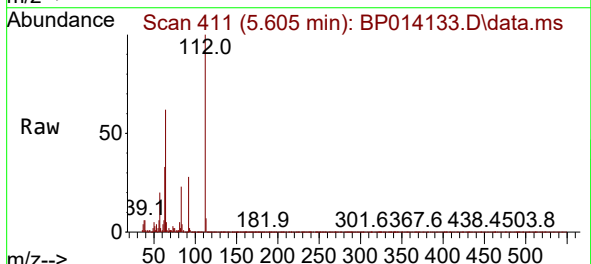
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

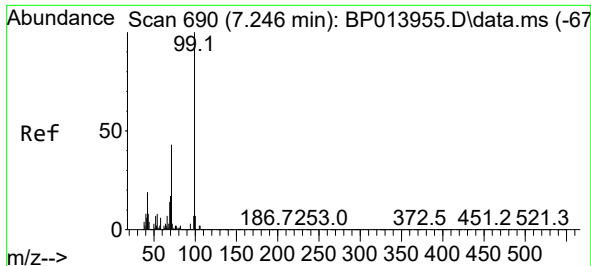
Tgt Ion:152 Resp: 137129
Ion Ratio Lower Upper
152 100
150 154.6 122.3 183.5
115 64.4 51.6 77.4



#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.605 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:112 Resp: 736124
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 33.5 26.6 40.0

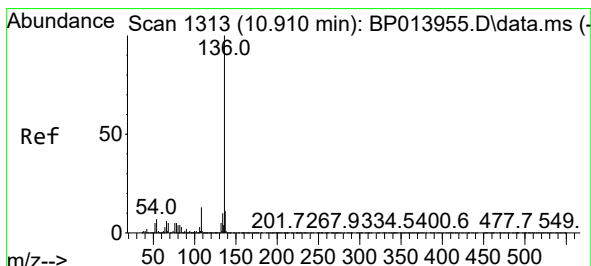
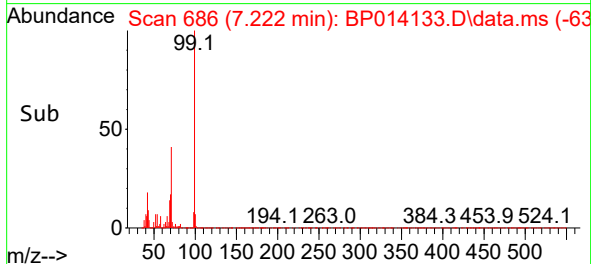
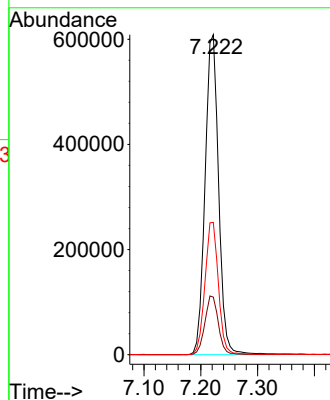
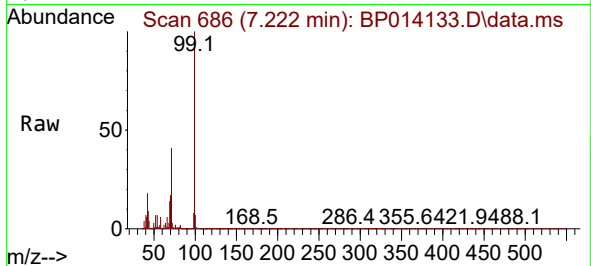




#7
Phenol-d6
Concen: 90.451 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

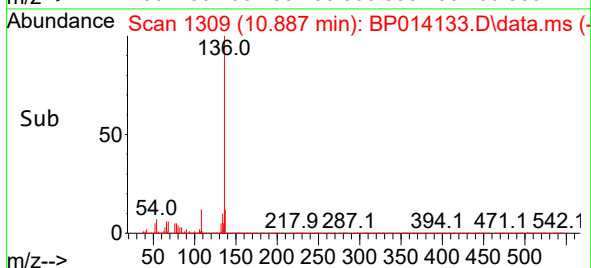
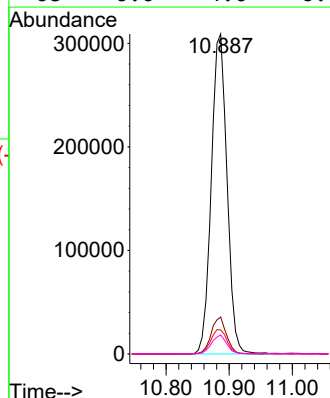
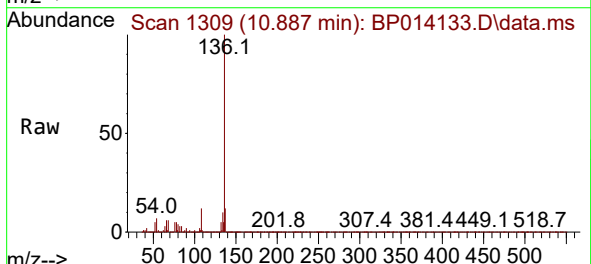
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

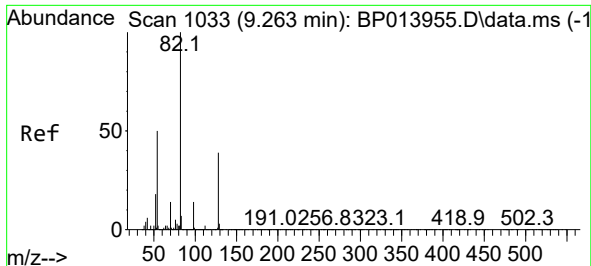
Tgt Ion: 99 Resp: 1004157
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.6
71 41.4 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion: 136 Resp: 533533
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 7.5 5.8 8.8
68 6.0 4.0 6.0

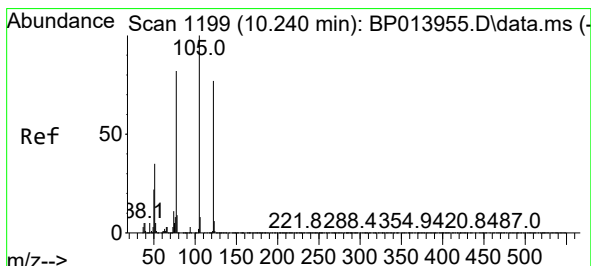
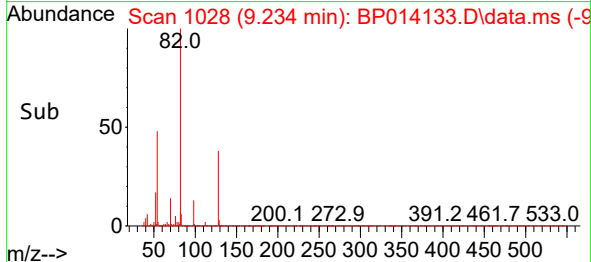
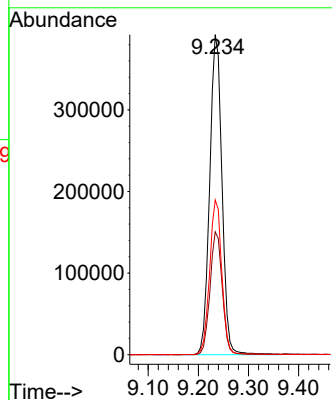
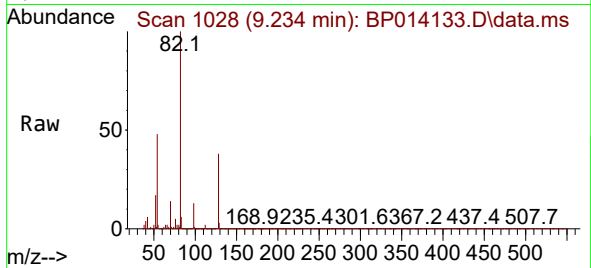




#23
Nitrobenzene-d5
Concen: 57.160 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

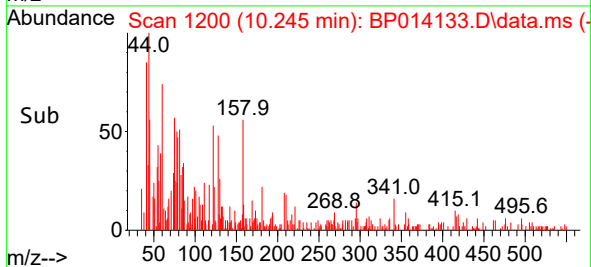
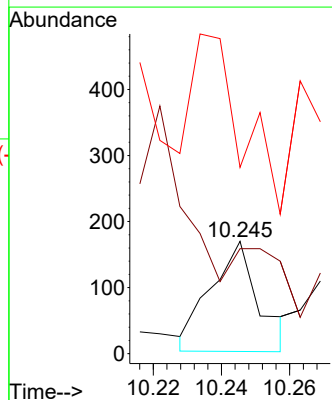
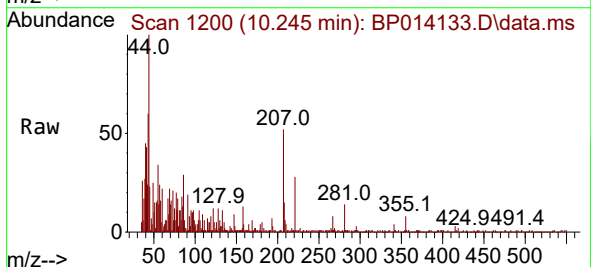
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

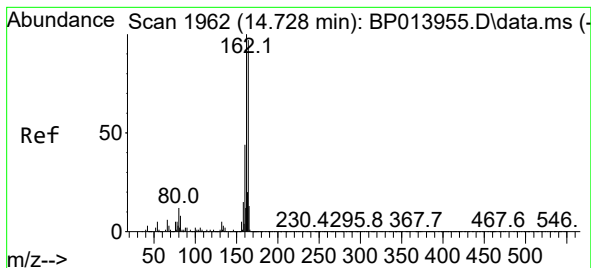
Tgt Ion: 82 Resp: 667237
Ion Ratio Lower Upper
82 100
128 38.4 31.1 46.7
54 48.4 40.0 60.0



#32
Benzoic acid
Concen: 2.723 ng
RT: 10.245 min Scan# 1200
Delta R.T. 0.017 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion: 122 Resp: 163
Ion Ratio Lower Upper
122 100
105 93.5 108.2 148.2#
77 165.9 85.2 125.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

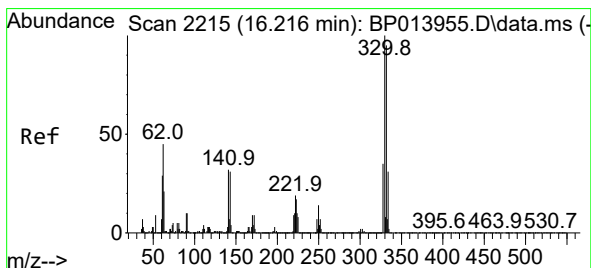
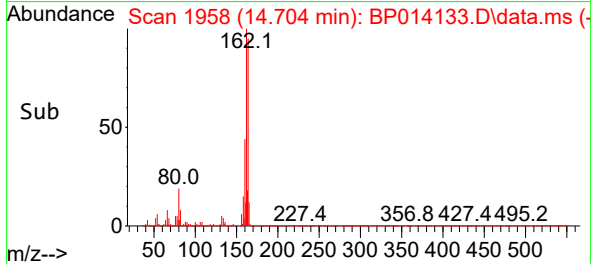
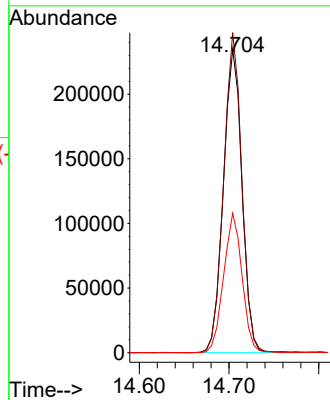
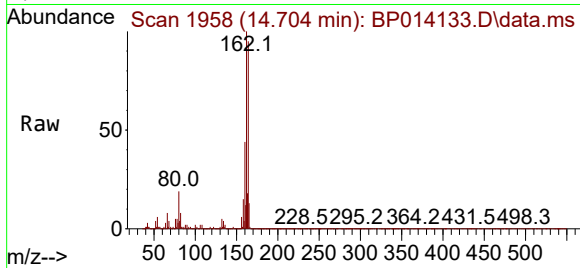
Tgt Ion:164 Resp: 337325

Ion Ratio Lower Upper

164 100

162 105.5 82.1 123.1

160 46.0 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 83.968 ng

RT: 16.198 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

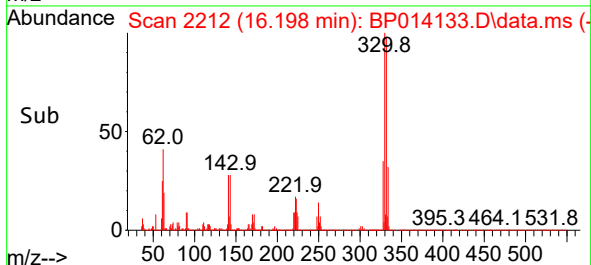
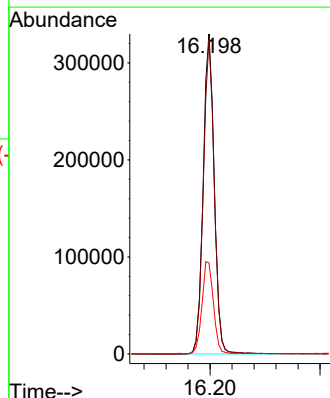
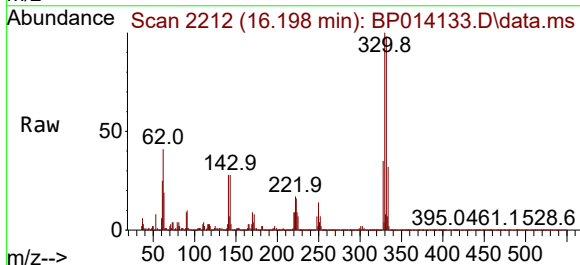
Tgt Ion:330 Resp: 459241

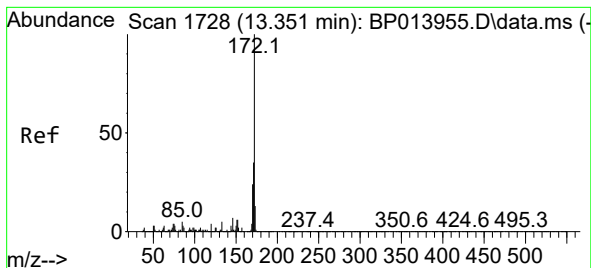
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 30.0 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 50.160 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

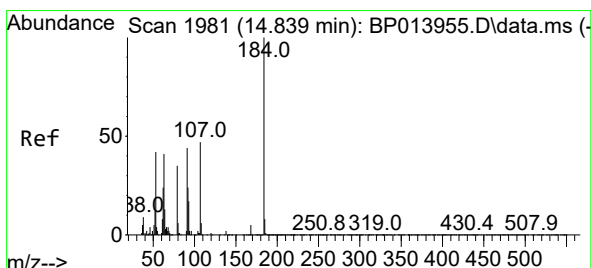
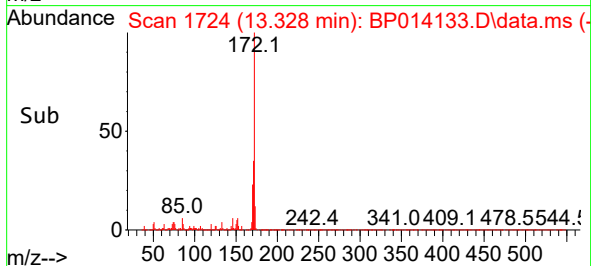
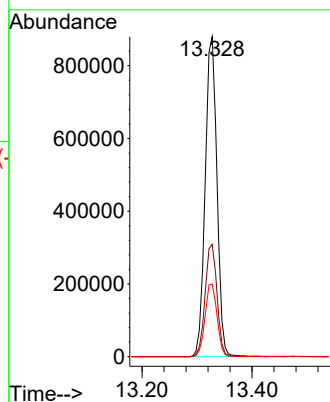
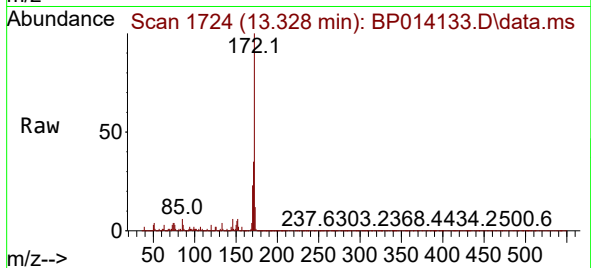
Tgt Ion:172 Resp: 1305992

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 22.7 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.086 ng

RT: 14.792 min Scan# 1973

Delta R.T. -0.030 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

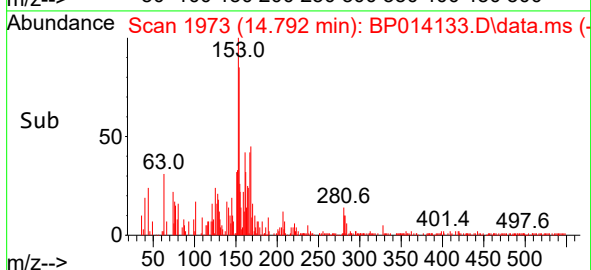
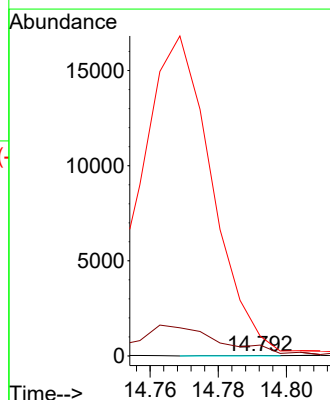
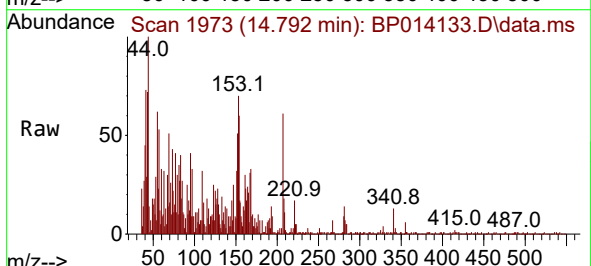
Tgt Ion:184 Resp: 34

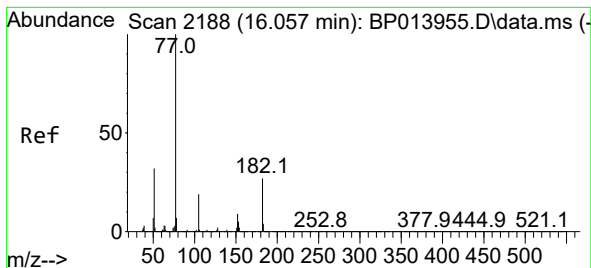
Ion Ratio Lower Upper

184 100

63 2188.5 52.4 78.6#

154 4007.7 59.4 89.2#





#63

Azobenzene

Concen: 2.397 ng

RT: 16.063 min Scan# 2188

Delta R.T. 0.023 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

Tgt Ion: 77 Resp: 60943

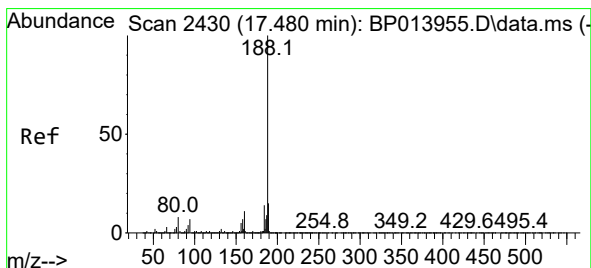
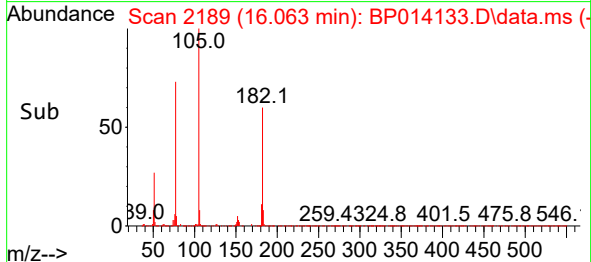
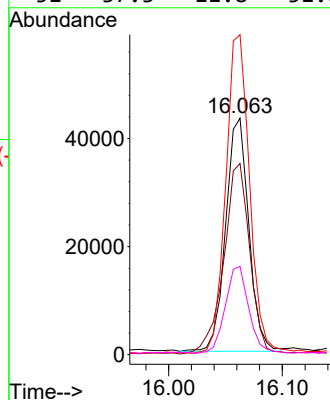
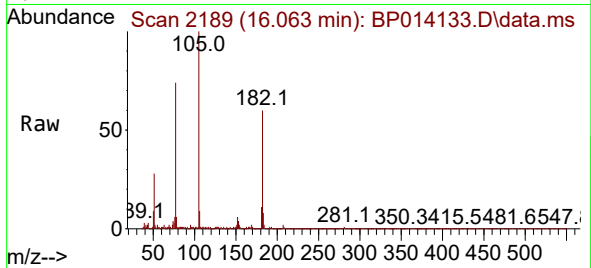
Ion Ratio Lower Upper

77 100

182 80.8 6.9 46.9#

105 135.3 0.0 39.4#

51 37.3 11.8 51.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

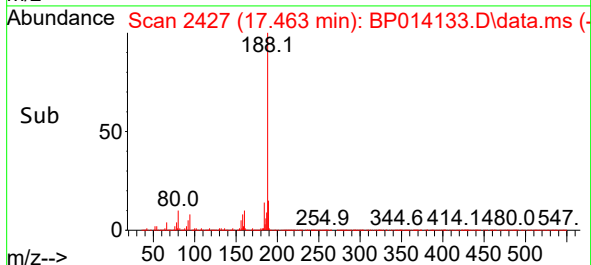
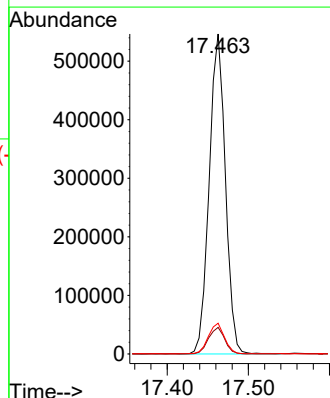
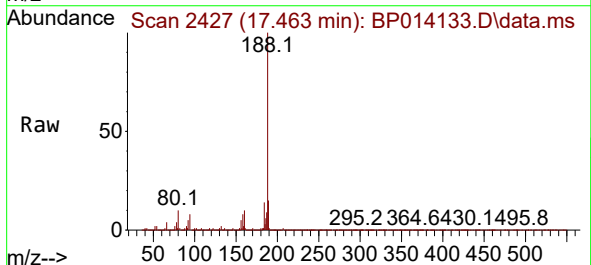
Tgt Ion: 188 Resp: 755974

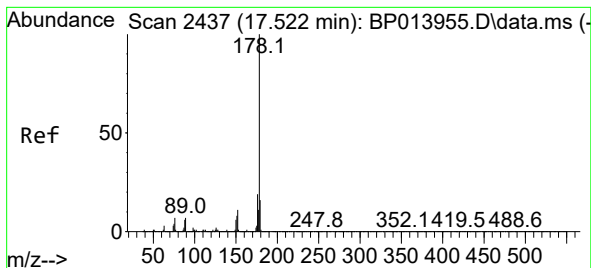
Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

80 9.6 6.6 9.8





#71

Phenanthrene

Concen: 13.994 ng

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

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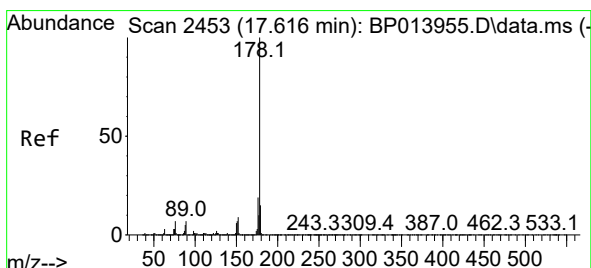
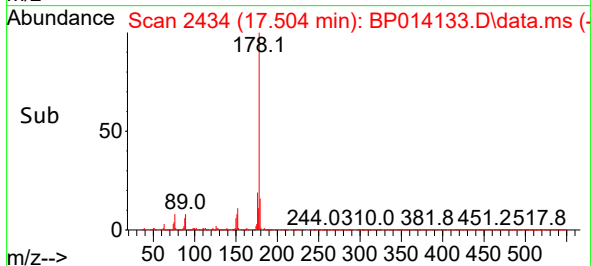
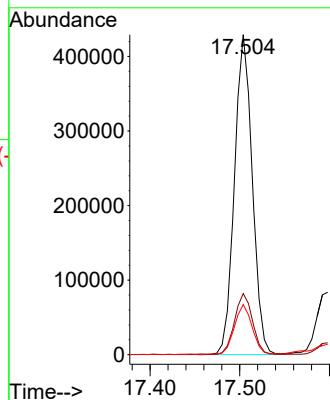
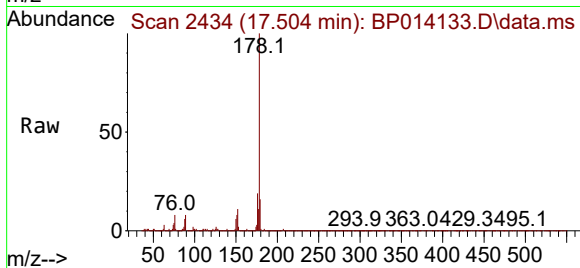
Tgt Ion:178 Resp: 591019

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.6 19.0



#72

Anthracene

Concen: 2.780 ng

RT: 17.598 min Scan# 2450

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

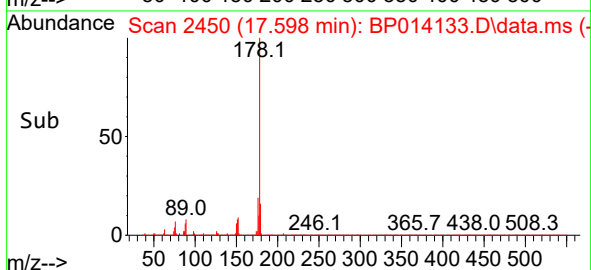
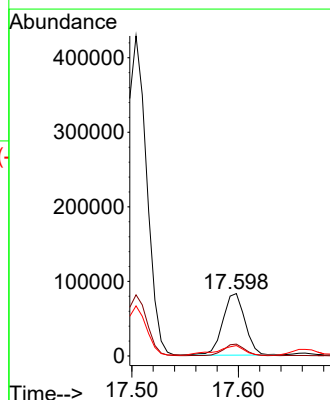
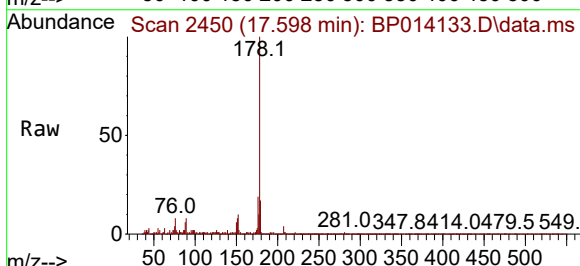
Tgt Ion:178 Resp: 119981

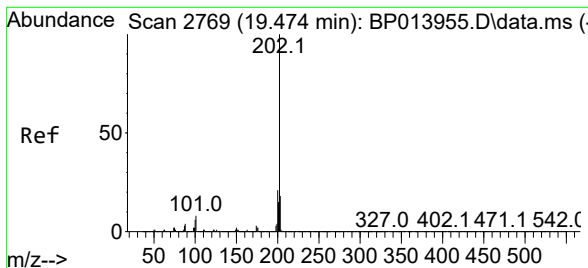
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 16.7 12.1 18.1





#75

Fluoranthene

Concen: 20.866 ng

RT: 19.463 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

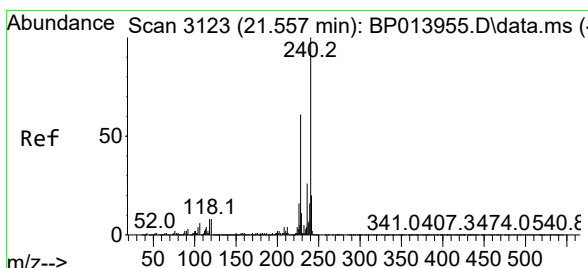
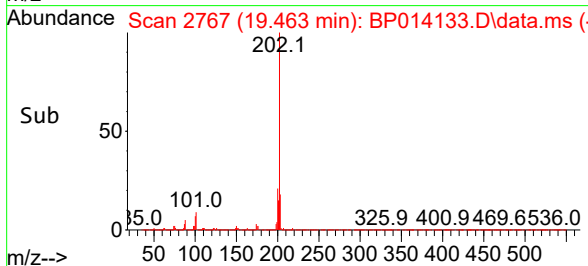
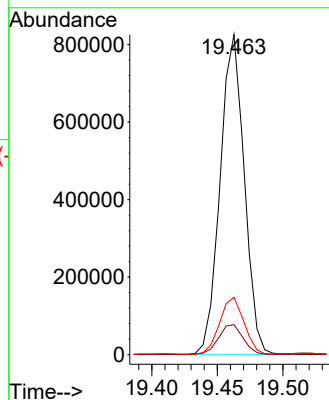
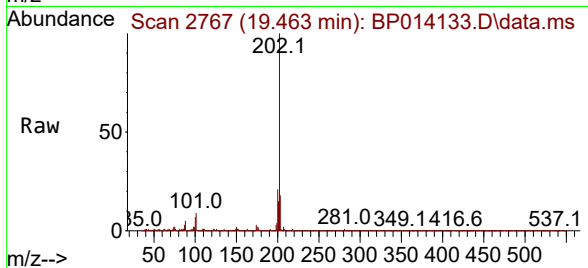
Tgt Ion:202 Resp: 1053309

Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.9

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

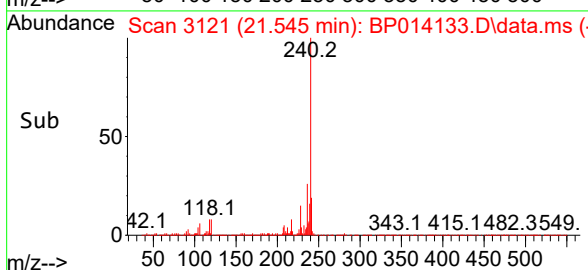
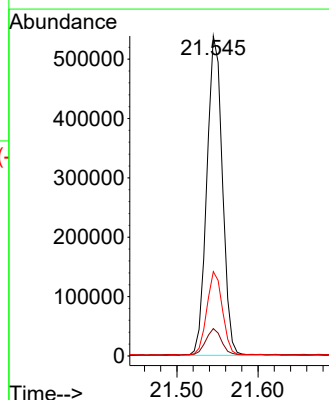
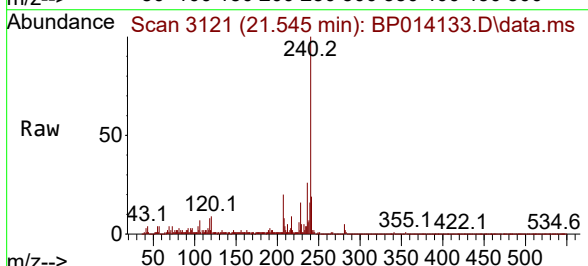
Tgt Ion:240 Resp: 714826

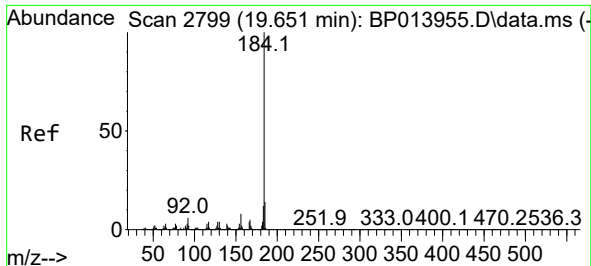
Ion Ratio Lower Upper

240 100

120 8.6 6.4 9.6

236 26.3 21.2 31.8

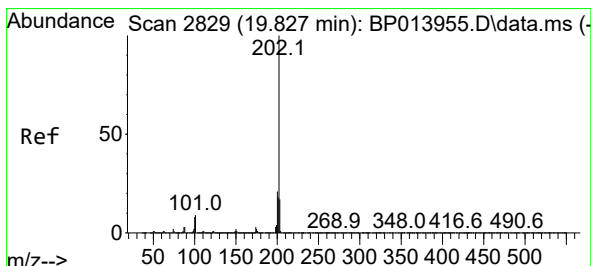
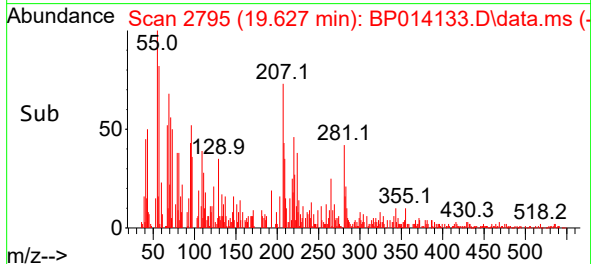
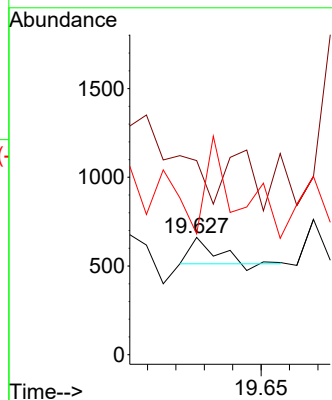
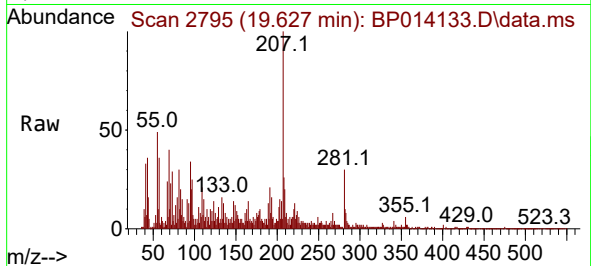




#77
Benzidine
Concen: 2.840 ng
RT: 19.627 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

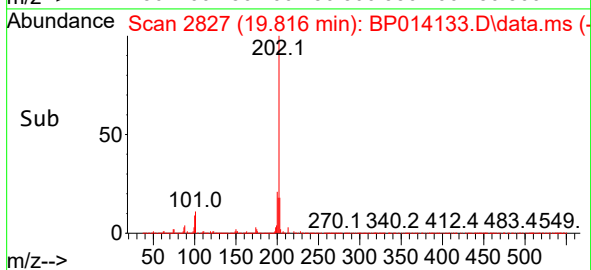
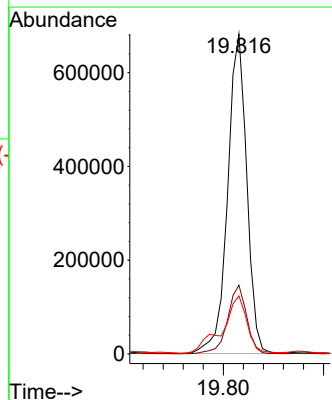
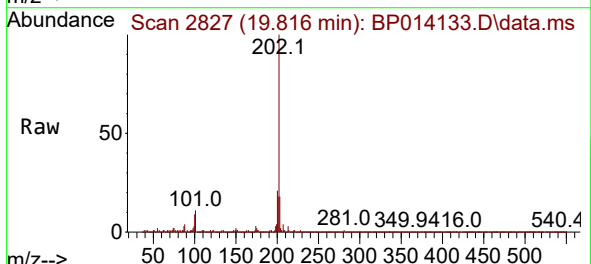
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

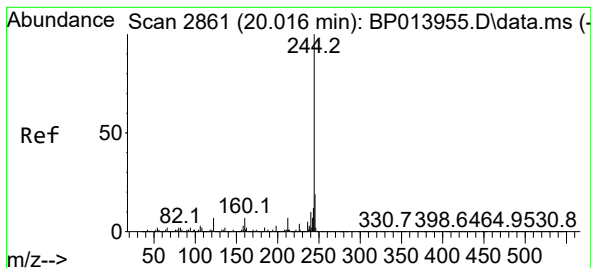
Tgt Ion:184 Resp: 89
Ion Ratio Lower Upper
184 100
185 165.5 11.6 17.4#
183 103.0 9.7 14.5#



#78
Pyrene
Concen: 16.409 ng
RT: 19.816 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:202 Resp: 900291
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 45.366 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

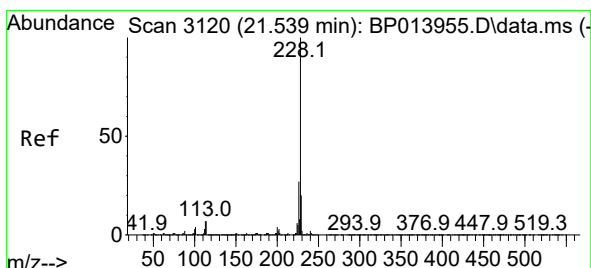
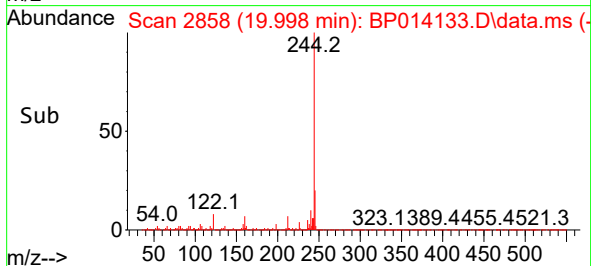
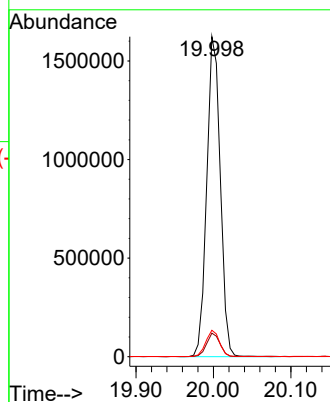
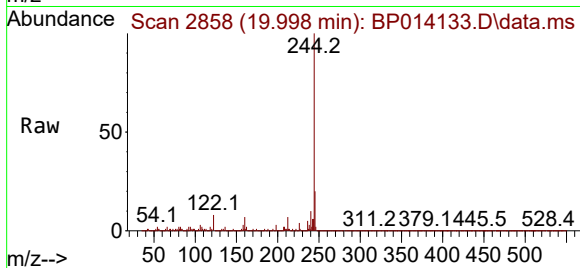
Tgt Ion:244 Resp: 1966630

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 8.2 5.8 8.6



#81

Benzo(a)anthracene

Concen: 9.634 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

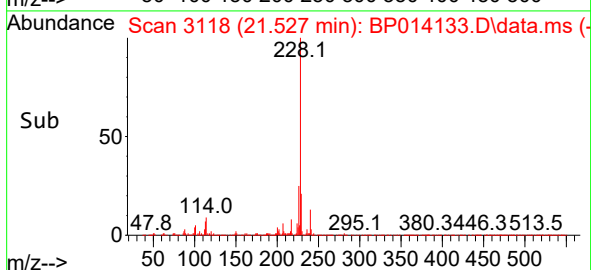
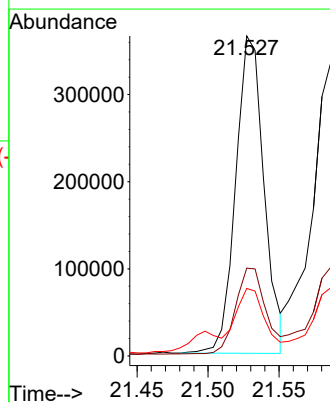
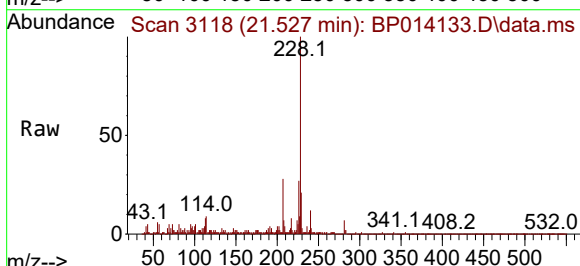
Tgt Ion:228 Resp: 505297

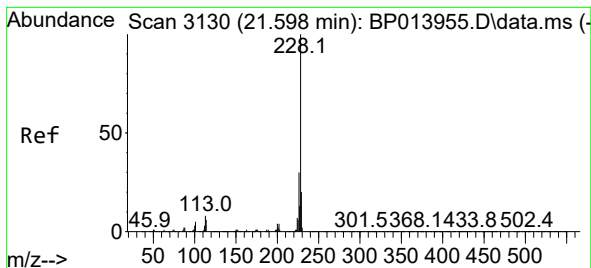
Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 21.1 15.8 23.6





#83

Chrysene

Concen: 10.294 ng

RT: 21.586 min Scan# 311

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

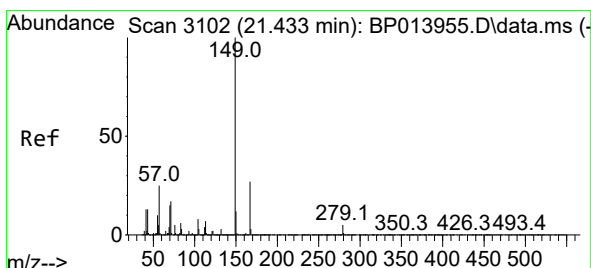
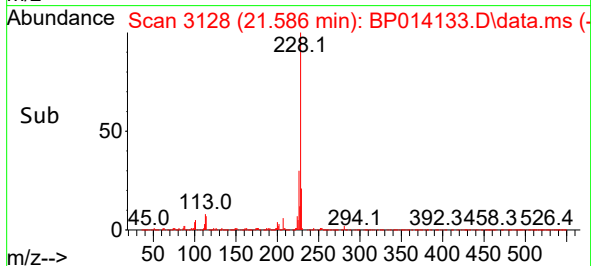
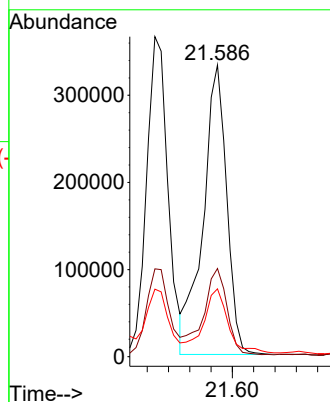
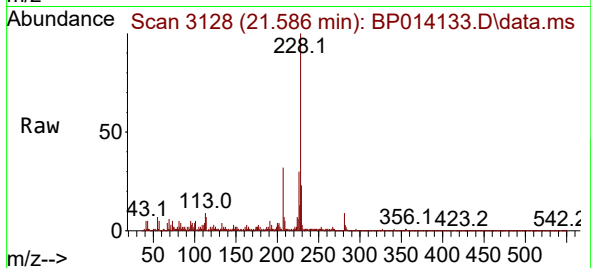
Tgt Ion:228 Resp: 511323

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 23.3 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.095 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

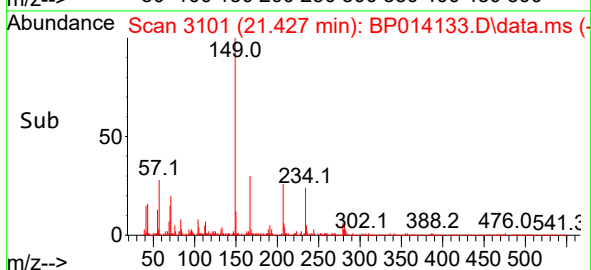
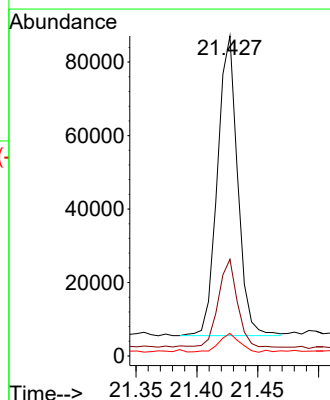
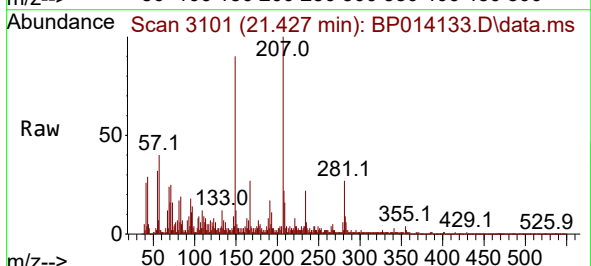
Tgt Ion:149 Resp: 94429

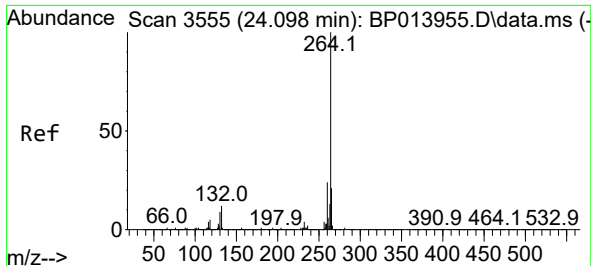
Ion Ratio Lower Upper

149 100

167 30.2 21.8 32.6

279 7.1 4.0 6.0#

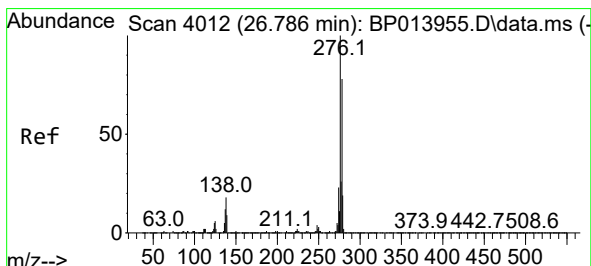
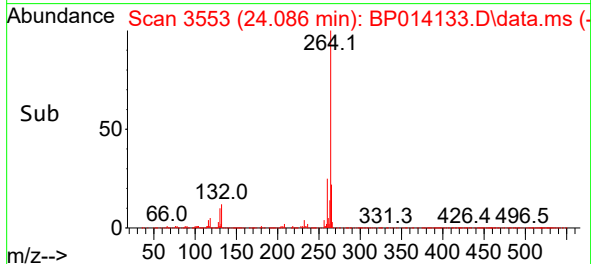
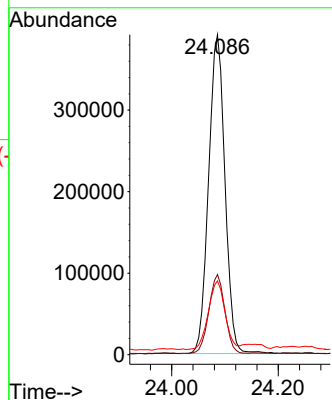
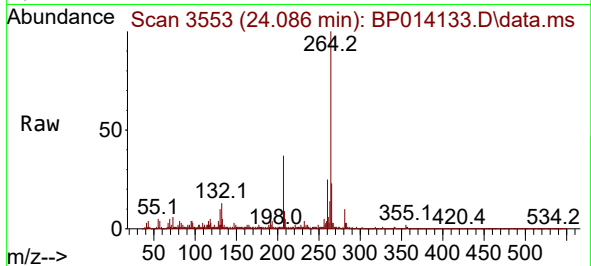




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

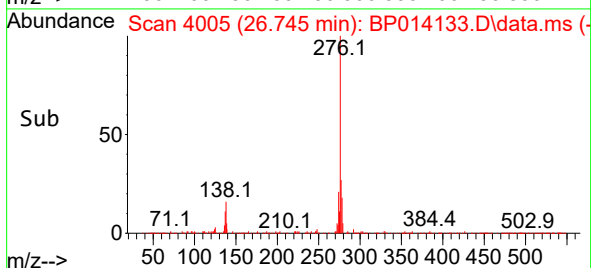
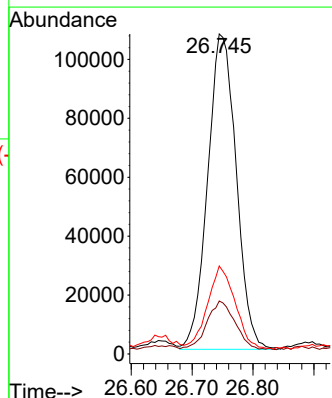
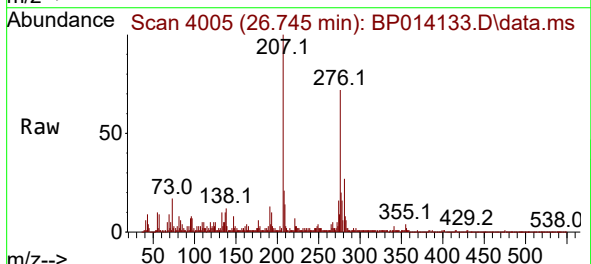
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

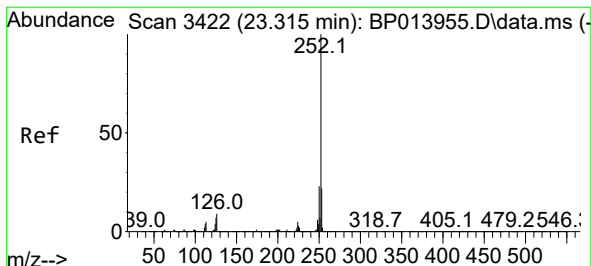
Tgt Ion:264 Resp: 834355
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.1 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.414 ng
RT: 26.745 min Scan# 4005
Delta R.T. -0.018 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:276 Resp: 349033
Ion Ratio Lower Upper
276 100
138 15.2 13.8 20.8
277 25.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.793 ng

RT: 23.304 min Scan# 3420

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

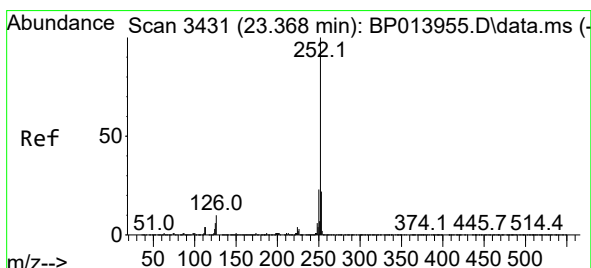
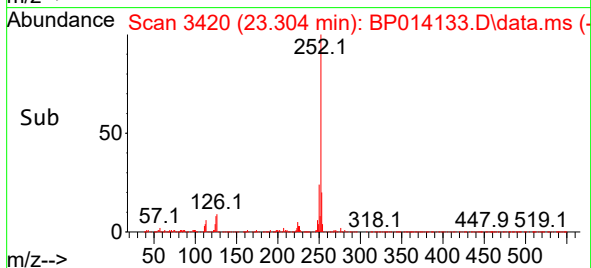
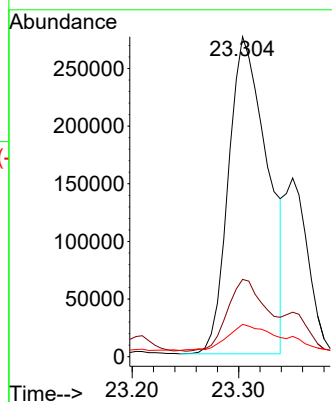
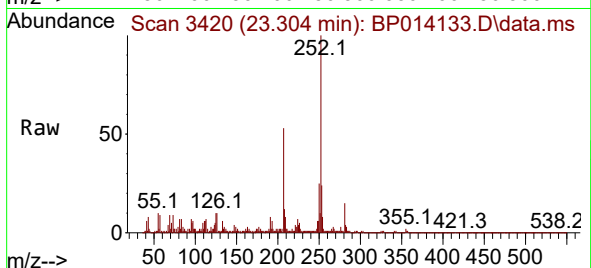
Tgt Ion:252 Resp: 698939

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 10.1 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 12.903 ng

RT: 23.304 min Scan# 3420

Delta R.T. -0.059 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

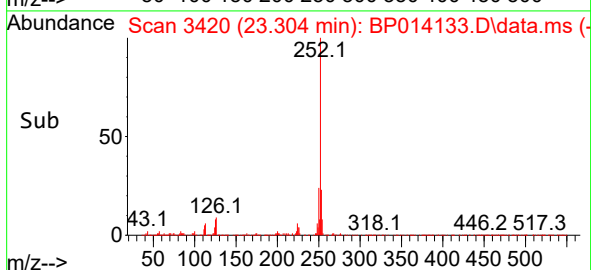
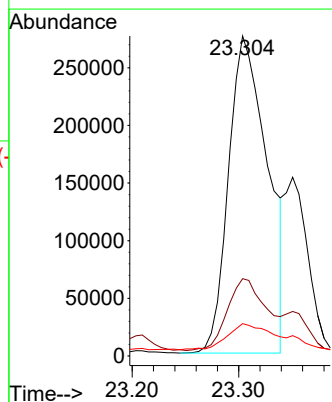
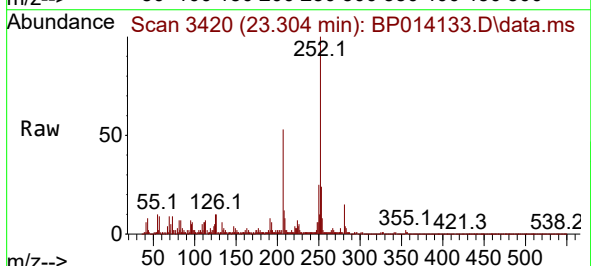
Tgt Ion:252 Resp: 698939

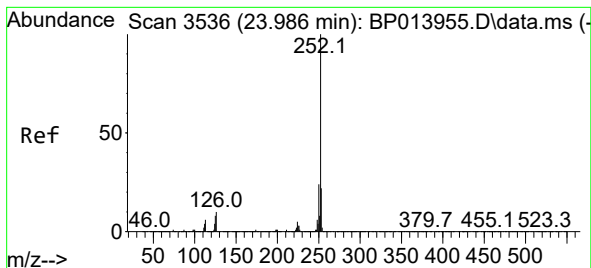
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 10.1 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 9.132 ng

RT: 23.968 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

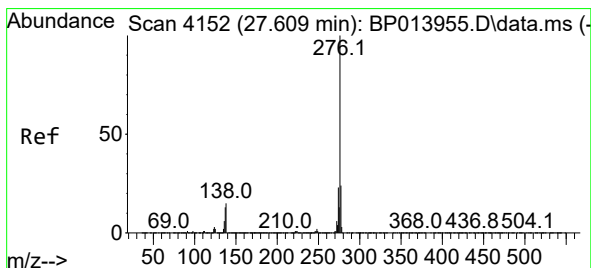
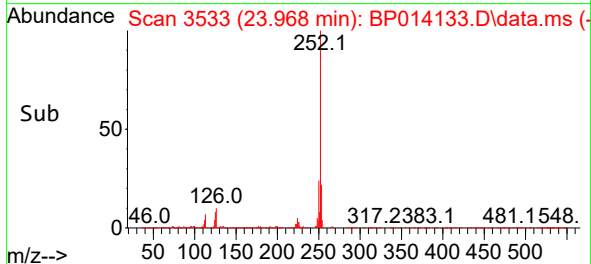
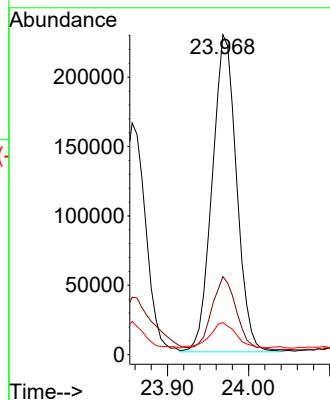
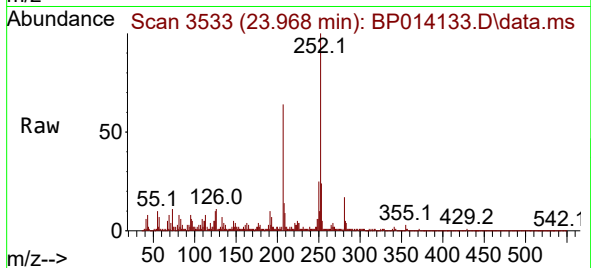
Tgt Ion:252 Resp: 475876

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 10.0 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 6.358 ng

RT: 27.580 min Scan# 4147

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Tgt Ion:276 Resp: 337704

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.0

138 15.2 12.2 18.4

