

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
 Data File : BM037423.D
 Acq On : 08 Nov 2022 11:41
 Operator : CG/JU
 Sample : N5451-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103

Quant Time: Nov 08 14:15:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 31 01:34:15 2022
 Response via : Initial Calibration

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

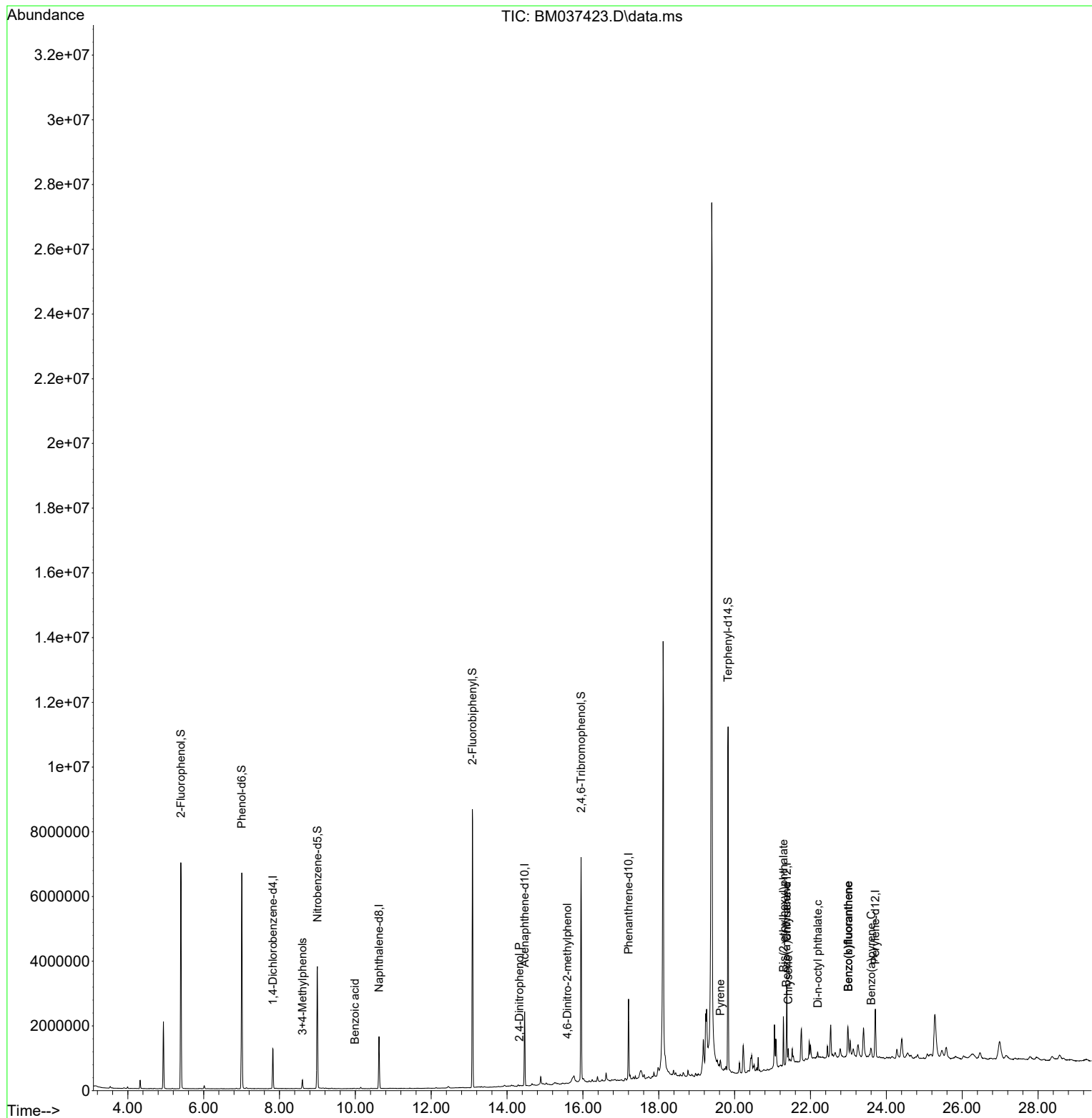
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	315195	20.000	ng	-0.05
21) Naphthalene-d8	10.622	136	1256017	20.000	ng	-0.05
39) Acenaphthene-d10	14.463	164	720772	20.000	ng	-0.05
64) Phenanthrene-d10	17.204	188	1363973	20.000	ng	-0.05
76) Chrysene-d12	21.374	240	972523	20.000	ng	-0.05
86) Perylene-d12	23.710	264	1017607	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2756200	151.072	ng	-0.04
7) Phenol-d6	7.005	99	3552197	143.457	ng	-0.04
23) Nitrobenzene-d5	8.999	82	2036220	81.792	ng	-0.05
42) 2,4,6-Tribromophenol	15.951	330	1157558	136.279	ng	-0.05
45) 2-Fluorobiphenyl	13.087	172	4074318	75.107	ng	-0.05
79) Terphenyl-d14	19.827	244	4715915	86.959	ng	-0.04
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.605	107	113092	4.541	ng	90
32) Benzoic acid	9.987	122	576	7.010	ng	# 23
54) 2,4-Dinitrophenol	14.328	184	61	6.453	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.592	198	269	5.039	ng	# 1
78) Pyrene	19.622	202	155859	2.084	ng	100
81) Benzo(a)anthracene	21.363	228	215084	3.106	ng	98
83) Chrysene	21.416	228	240859	3.611	ng	99
84) Bis(2-ethylhexyl)phtha...	21.286	149	483964	13.502	ng	99
85) Di-n-octyl phthalate	22.192	149	116050	2.056	ng	# 95
88) Benzo(b)fluoranthene	22.998	252	282174	3.994	ng	98
89) Benzo(k)fluoranthene	22.998	252	282174	3.916	ng	98
90) Benzo(a)pyrene	23.604	252	169496	2.945	ng	97

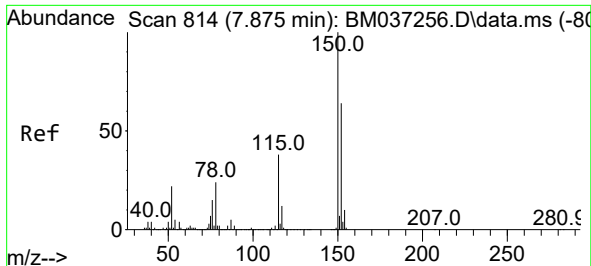
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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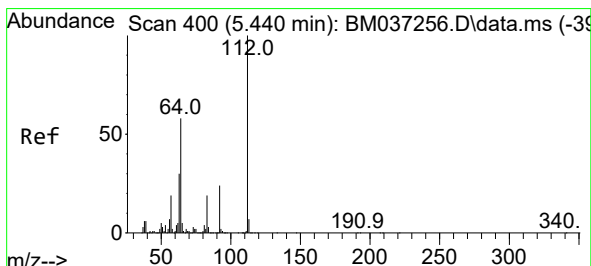
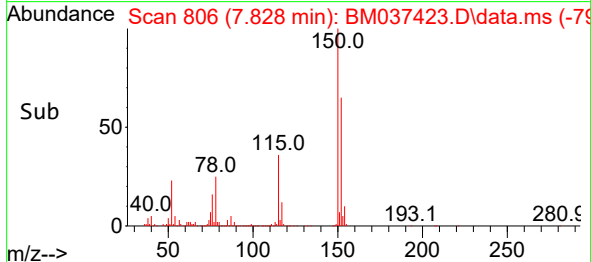
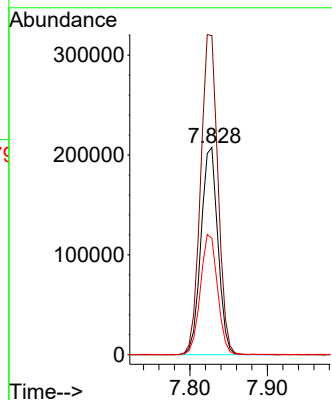
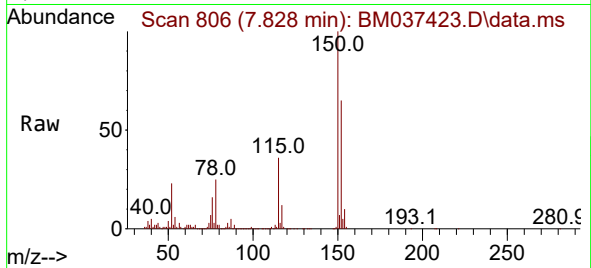




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. -0.047 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

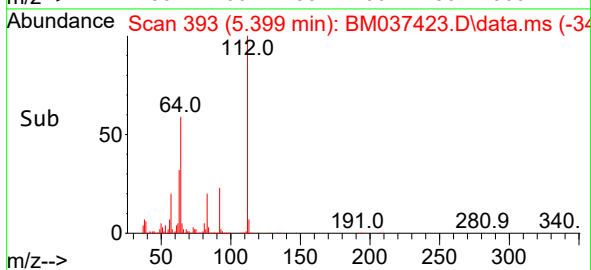
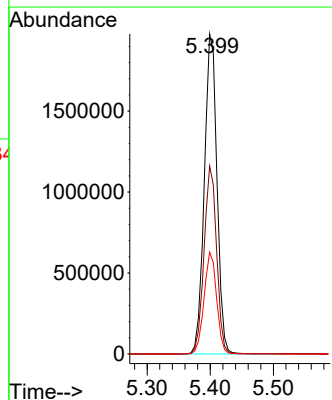
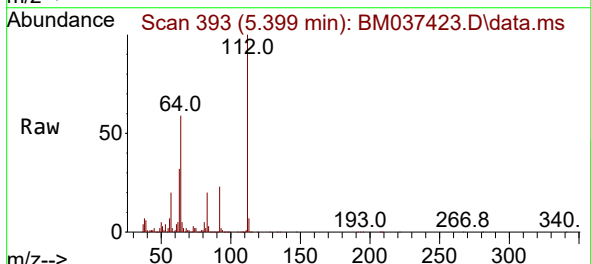
Instrument :
BNA_M
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LFR-SOIL-1103

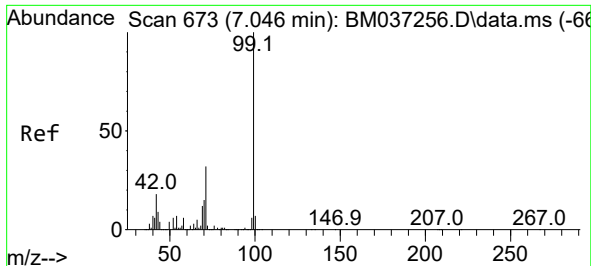
Tgt Ion:152 Resp: 315195
Ion Ratio Lower Upper
152 100
150 154.1 124.8 187.2
115 56.2 47.0 70.4



#5
2-Fluorophenol
Concen: 151.072 ng
RT: 5.399 min Scan# 393
Delta R.T. -0.041 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:112 Resp: 2756200
Ion Ratio Lower Upper
112 100
64 58.7 46.8 70.2
63 31.8 24.4 36.6

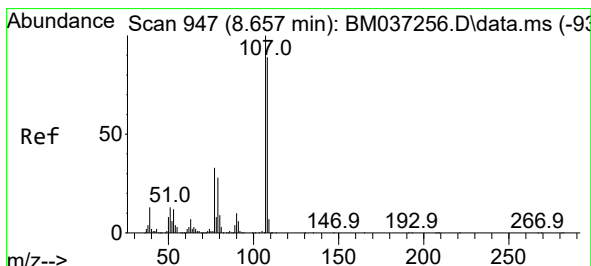
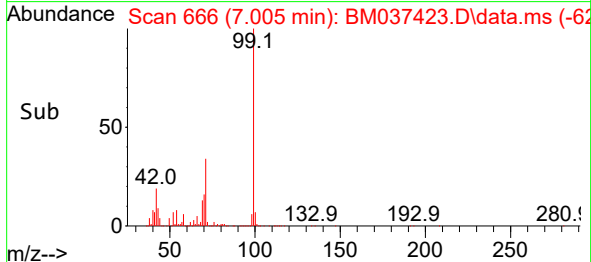
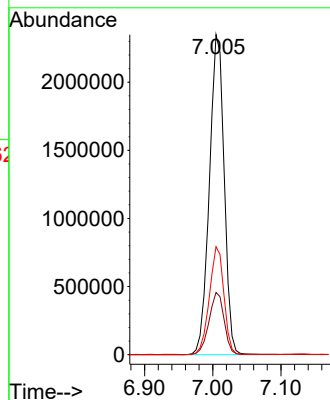
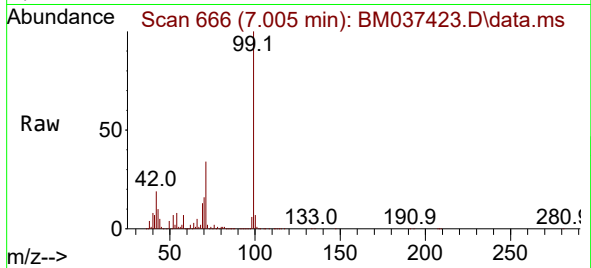




#7
Phenol-d6
Concen: 143.457 ng
RT: 7.005 min Scan# 60
Delta R.T. -0.041 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

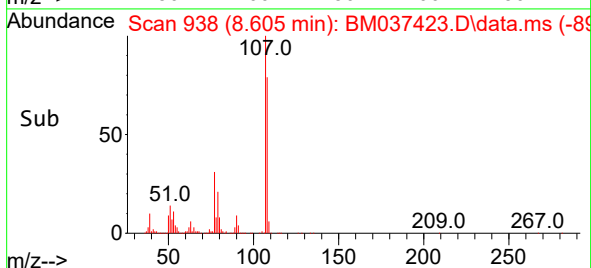
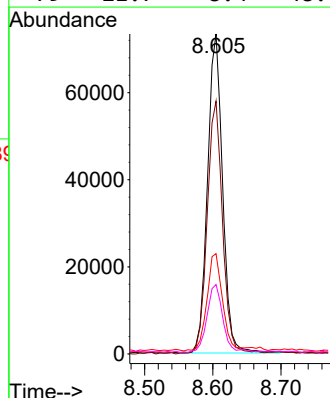
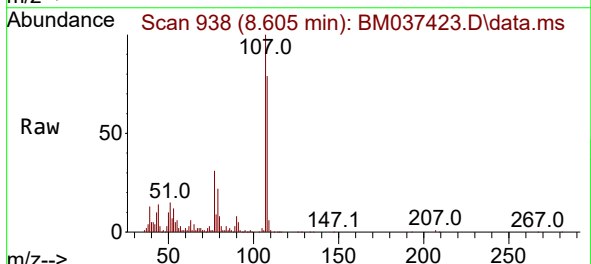
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

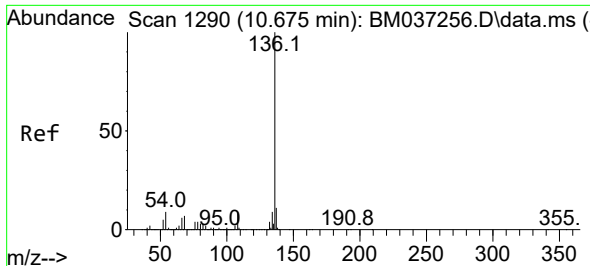
Tgt Ion: 99 Resp: 3552197
Ion Ratio Lower Upper
99 100
42 19.4 14.8 22.2
71 33.8 25.6 38.4



#20
3+4-Methylphenols
Concen: 4.541 ng
RT: 8.605 min Scan# 938
Delta R.T. -0.053 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion: 107 Resp: 113092
Ion Ratio Lower Upper
107 100
108 79.0 69.4 109.4
77 31.4 12.8 52.8
79 21.7 8.4 48.4



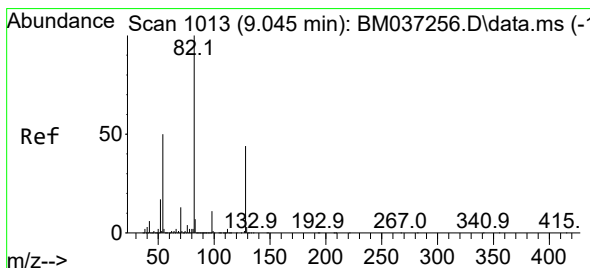
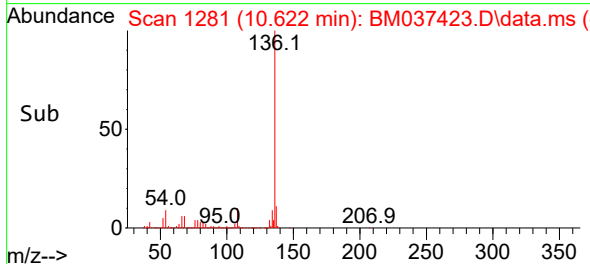
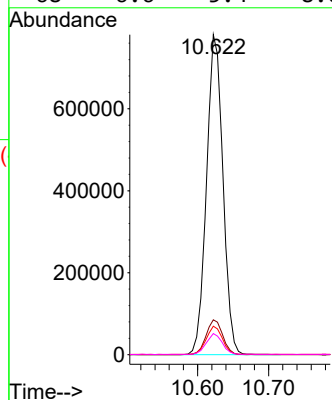
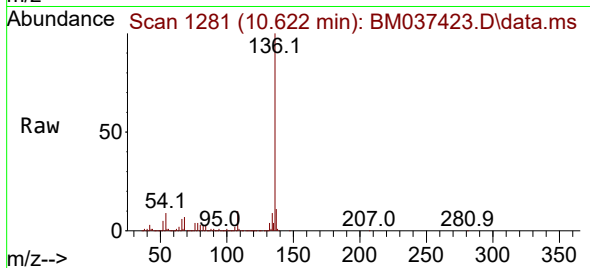


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.053 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:136 Resp: 1256017

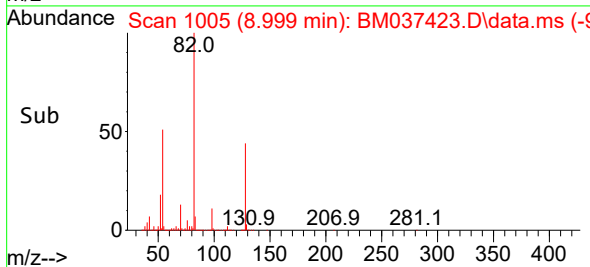
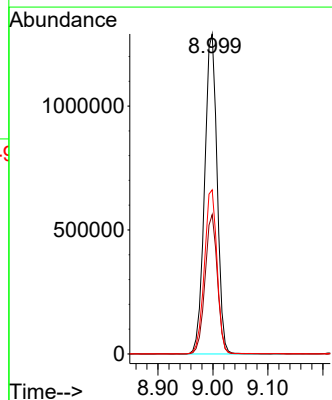
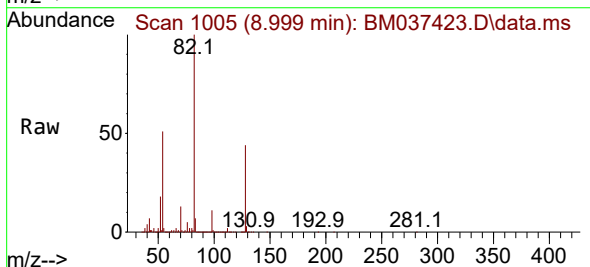
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.9	7.0	10.4
68	6.6	5.4	8.0

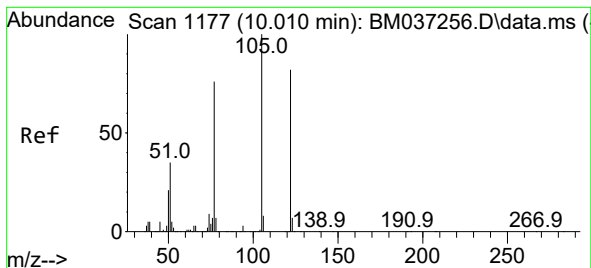


#23
Nitrobenzene-d5
Concen: 81.792 ng
RT: 8.999 min Scan# 1005
Delta R.T. -0.046 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion: 82 Resp: 2036220

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.2	52.8
54	51.3	40.4	60.6

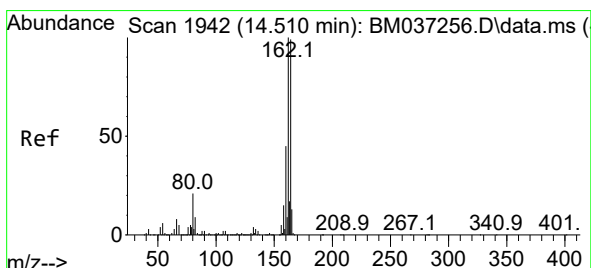
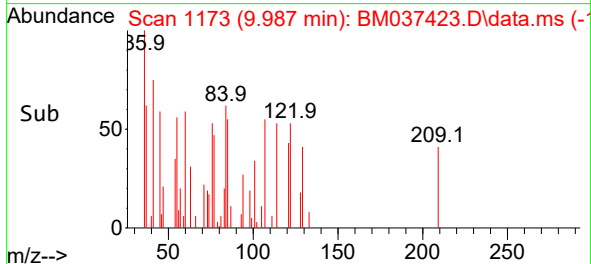
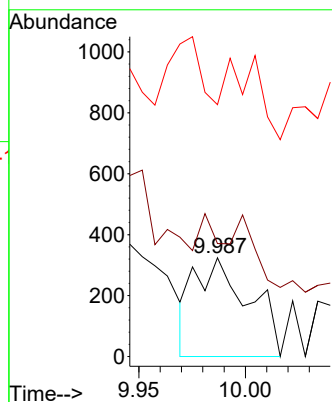
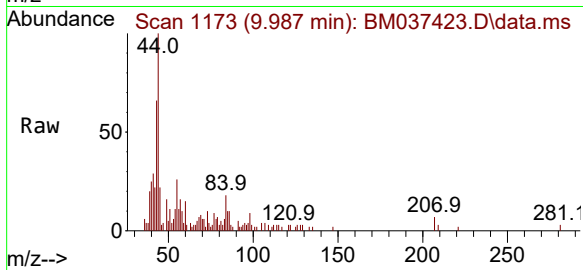




#32
Benzoic acid
Concen: 7.010 ng
RT: 9.987 min Scan# 1177
Delta R.T. -0.023 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

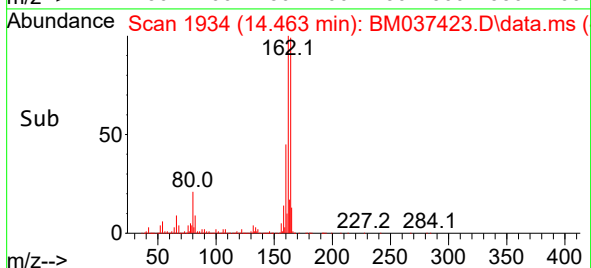
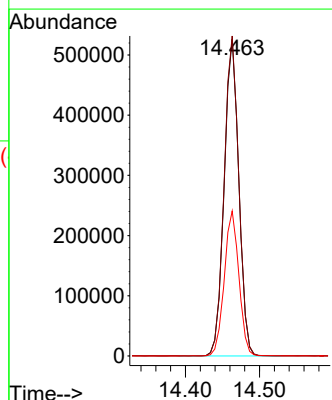
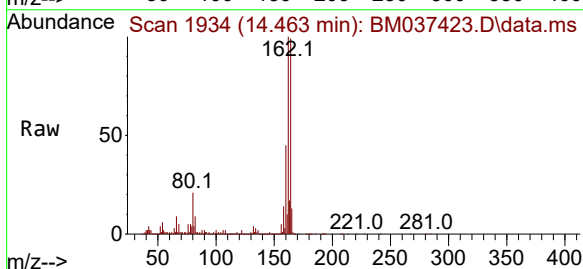
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

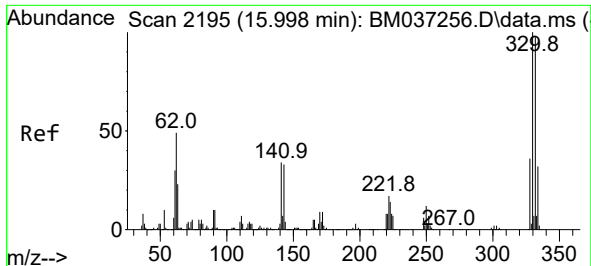
Tgt Ion:122 Resp: 576
Ion Ratio Lower Upper
122 100
105 114.5 100.1 140.1
77 255.2 71.7 111.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.047 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:164 Resp: 720772
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 45.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 136.279 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.047 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

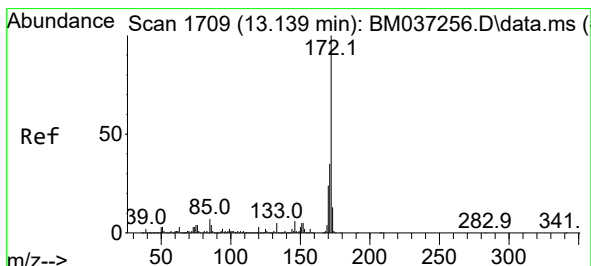
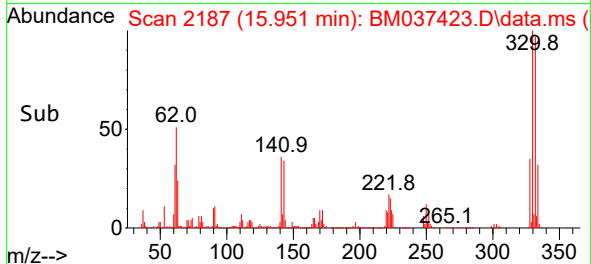
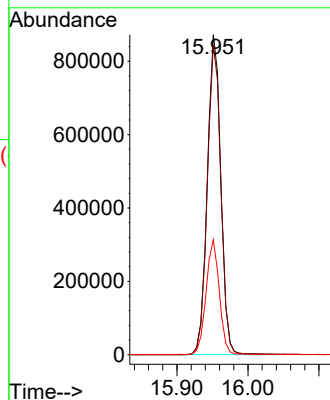
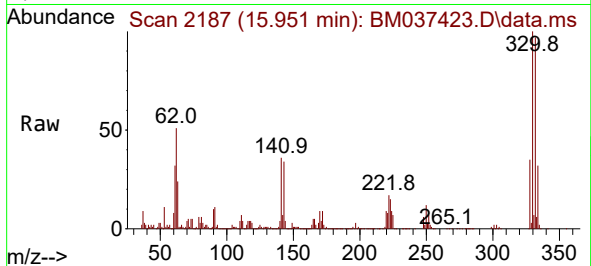
Tgt Ion:330 Resp: 1157558

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 35.2 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 75.107 ng

RT: 13.087 min Scan# 1700

Delta R.T. -0.052 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

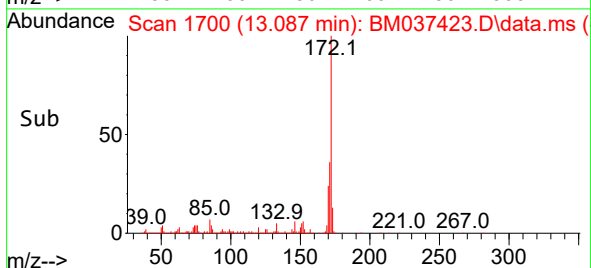
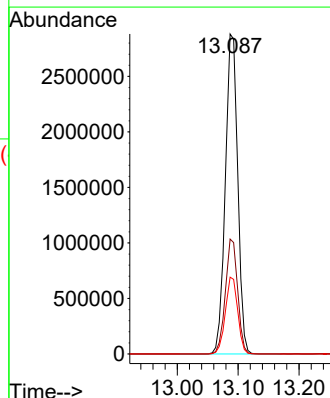
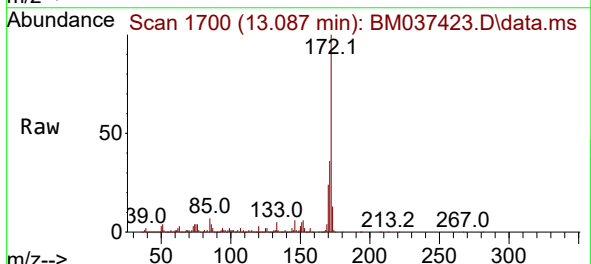
Tgt Ion:172 Resp: 4074318

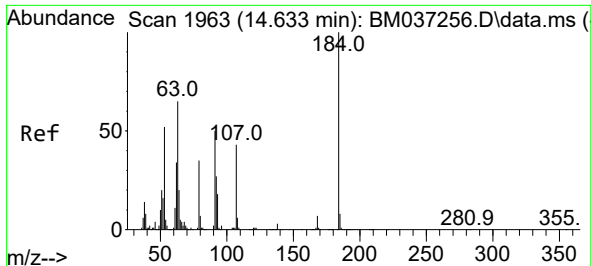
Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 24.0 19.0 28.4

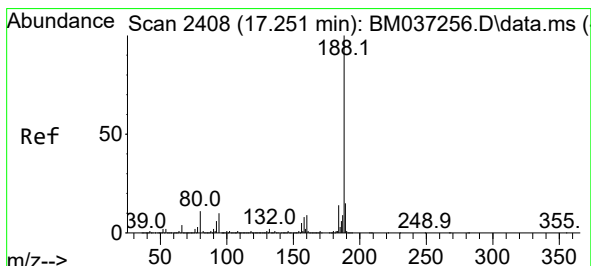
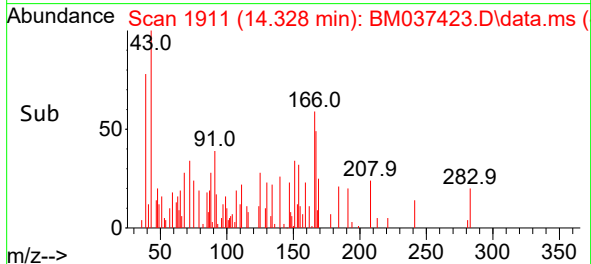
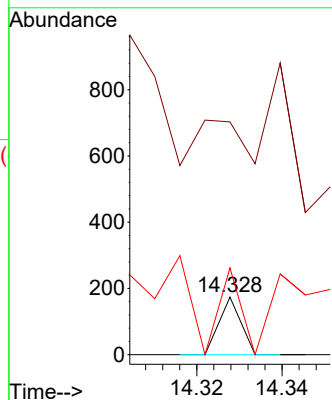
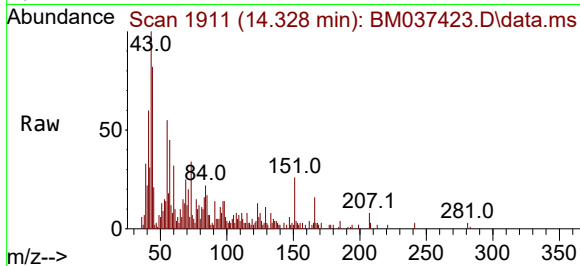




#54
2,4-Dinitrophenol
Concen: 6.453 ng
RT: 14.328 min Scan# 1963
Delta R.T. -0.305 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

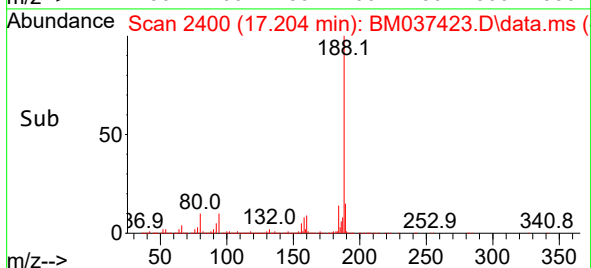
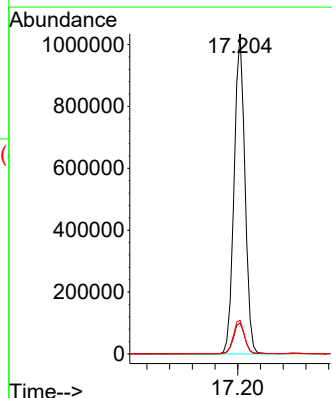
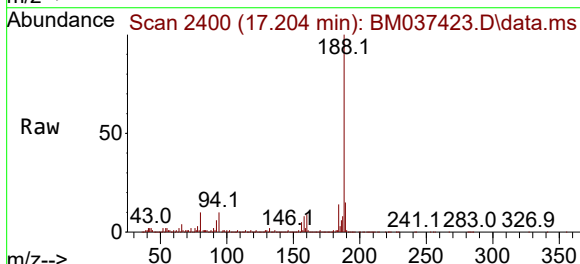
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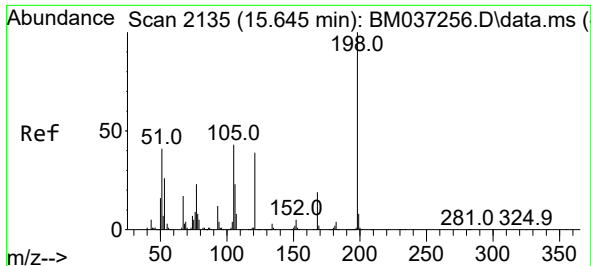
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 404.0 57.7 86.5#
154 150.6 48.3 72.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.047 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:188 Resp: 1363973
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.5 8.5 12.7

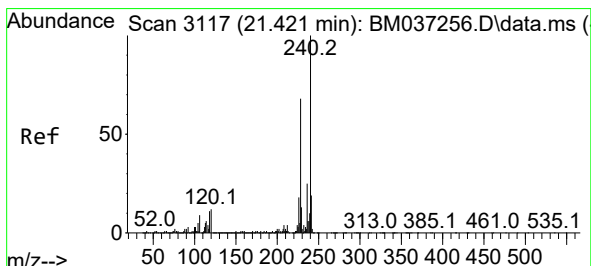
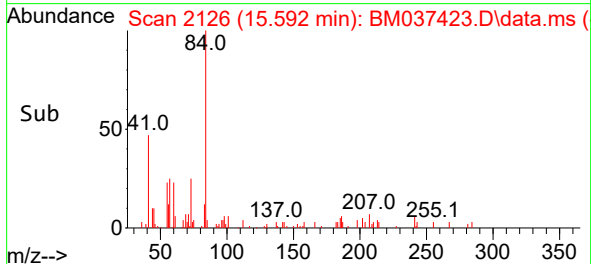
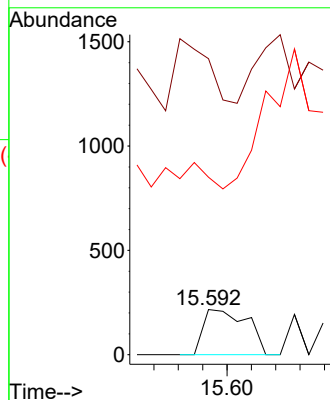
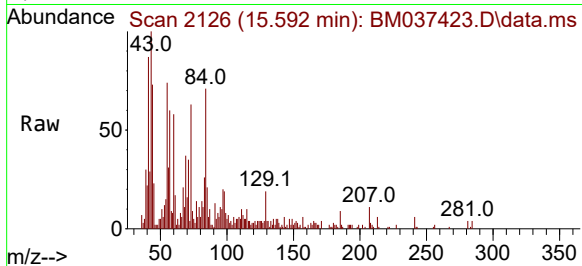




#65
4,6-Dinitro-2-methylphenol
Concen: 5.039 ng
RT: 15.592 min Scan# 2135
Delta R.T. -0.053 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

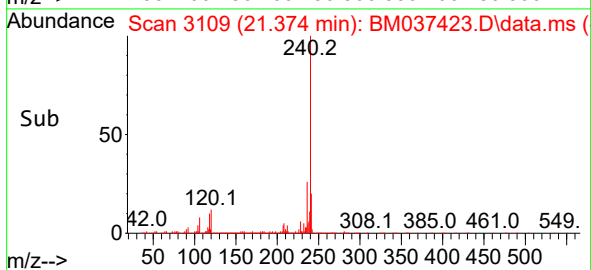
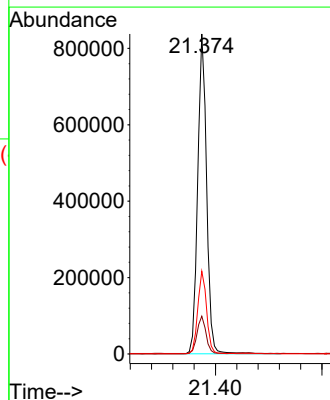
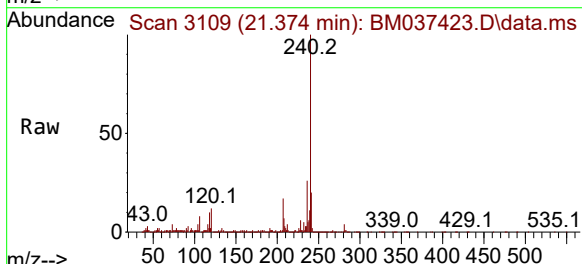
Instrument :
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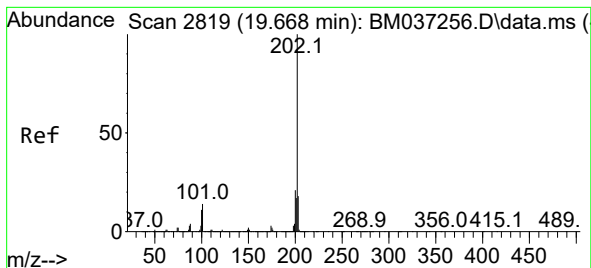
Tgt Ion:198 Resp: 269
Ion Ratio Lower Upper
198 100
51 656.9 26.8 66.8#
105 394.0 24.1 64.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.047 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:240 Resp: 972523
Ion Ratio Lower Upper
240 100
120 11.8 9.9 14.9
236 25.9 20.3 30.5





#78

Pyrene

Concen: 2.084 ng

RT: 19.622 min Scan# 2

Delta R.T. -0.047 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

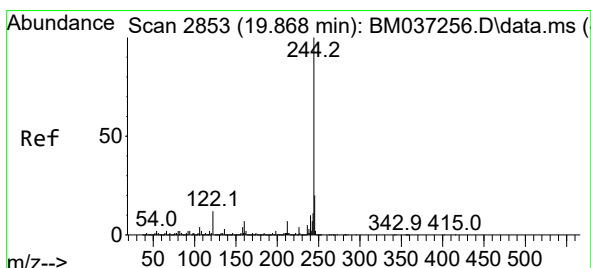
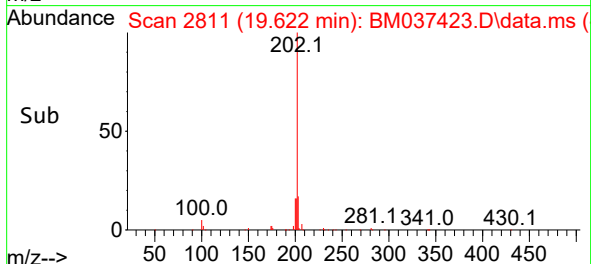
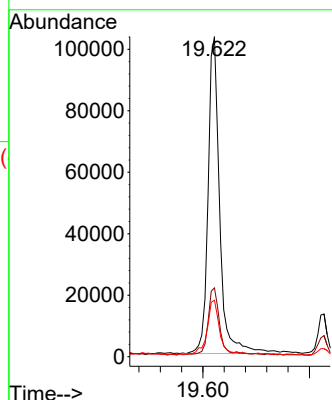
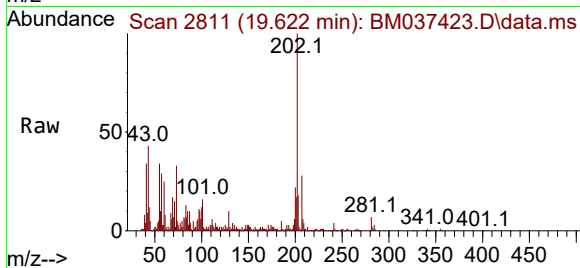
Tgt Ion:202 Resp: 155859

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 86.959 ng

RT: 19.827 min Scan# 2846

Delta R.T. -0.041 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

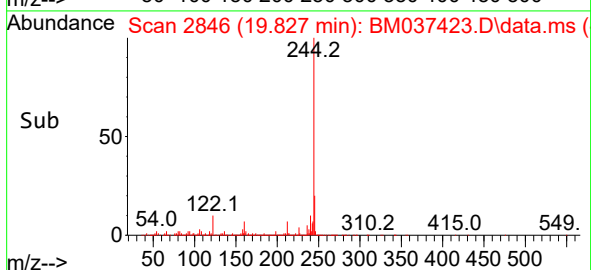
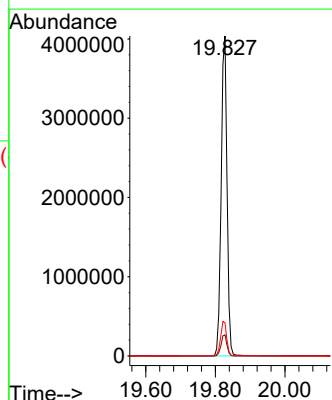
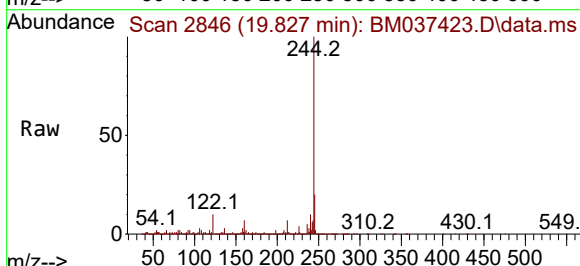
Tgt Ion:244 Resp: 4715915

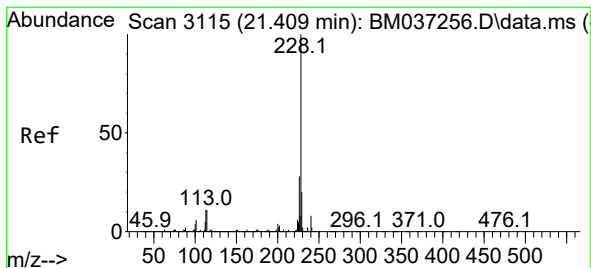
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.4 9.4 14.2





#81

Benzo(a)anthracene

Concen: 3.106 ng

RT: 21.363 min Scan# 3115

Delta R.T. -0.046 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

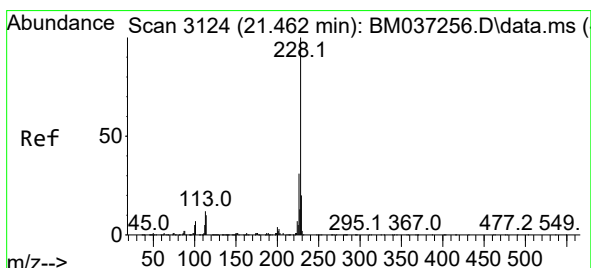
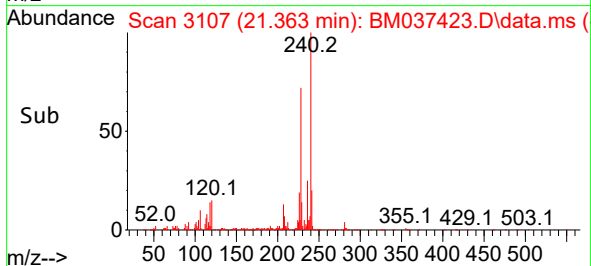
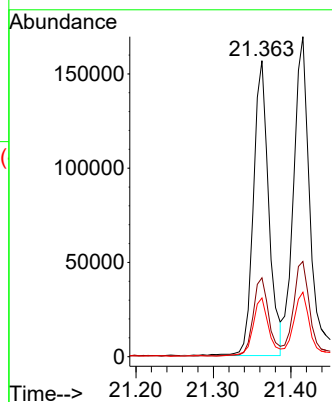
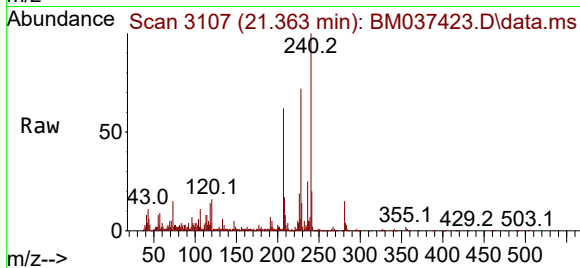
Tgt Ion:228 Resp: 215084

Ion Ratio Lower Upper

228 100

226 26.7 22.3 33.5

229 19.9 16.2 24.2



#83

Chrysene

Concen: 3.611 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.047 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

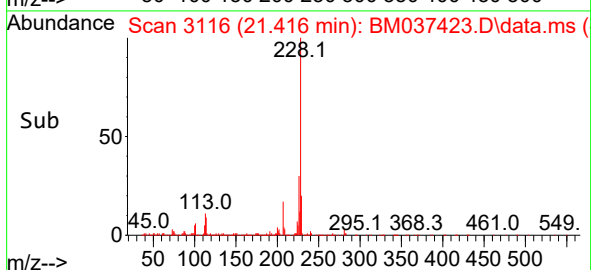
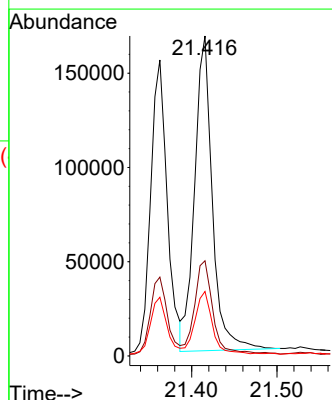
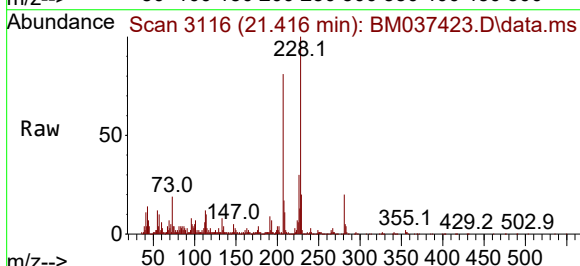
Tgt Ion:228 Resp: 240859

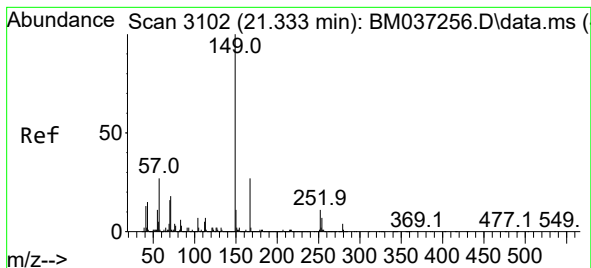
Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 20.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.502 ng

RT: 21.286 min Scan# 3094

Delta R.T. -0.047 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

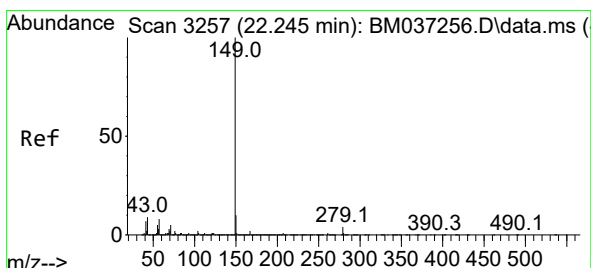
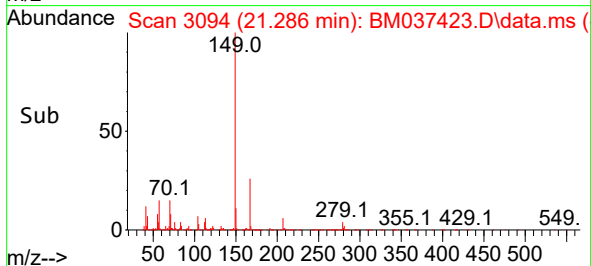
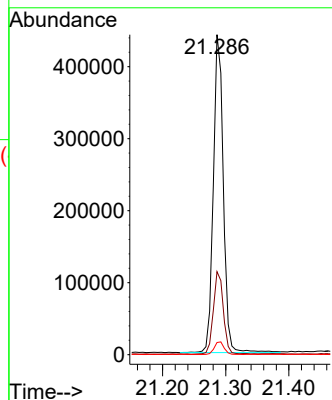
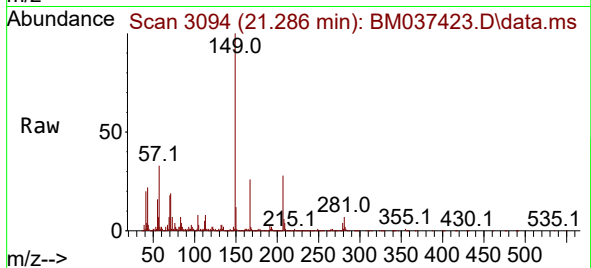
Tgt Ion:149 Resp: 483964

Ion Ratio Lower Upper

149 100

167 26.0 21.2 31.8

279 3.8 3.1 4.7



#85

Di-n-octyl phthalate

Concen: 2.056 ng

RT: 22.192 min Scan# 3248

Delta R.T. -0.053 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

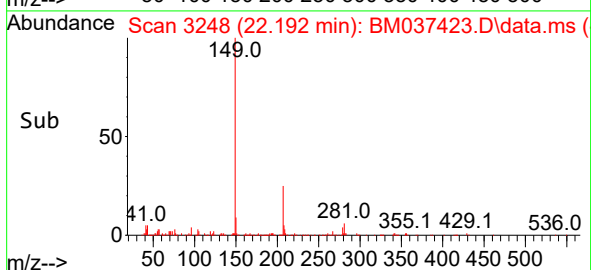
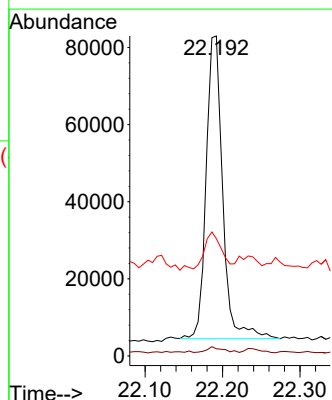
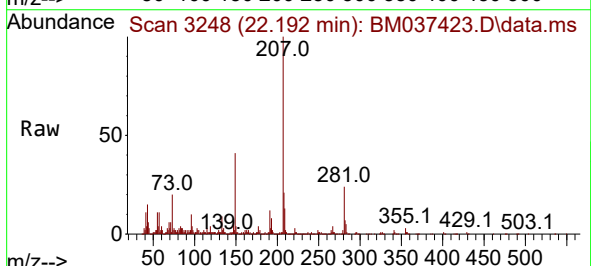
Tgt Ion:149 Resp: 116050

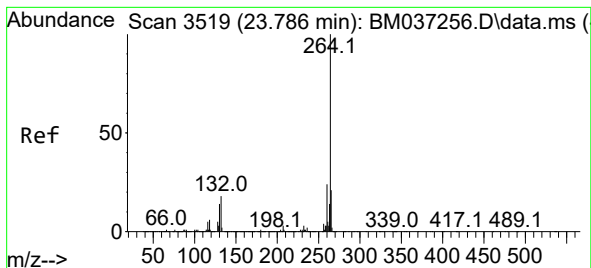
Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 12.2 8.0 12.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.710 min Scan# 3

Delta R.T. -0.076 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103

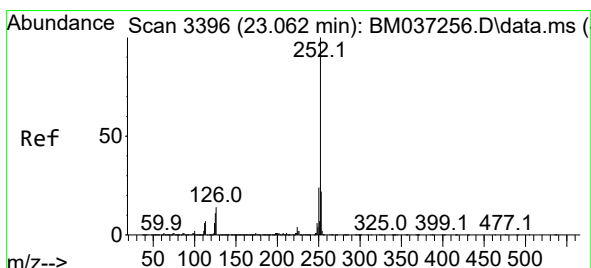
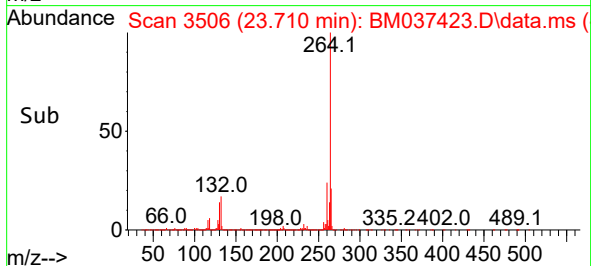
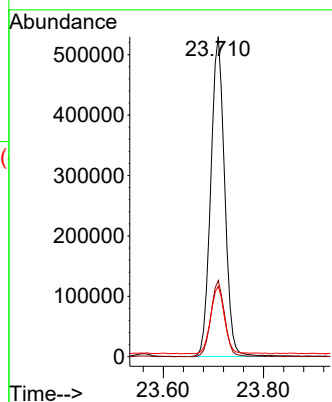
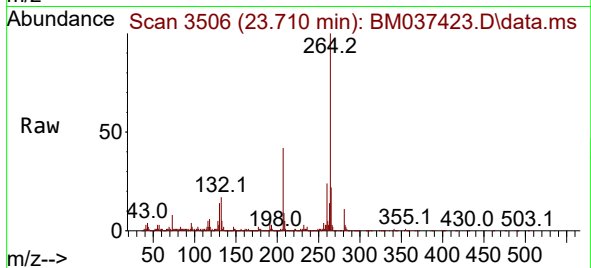
Tgt Ion:264 Resp: 1017607

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 3.994 ng

RT: 22.998 min Scan# 3385

Delta R.T. -0.064 min

Lab File: BM037423.D

Acq: 08 Nov 2022 11:41

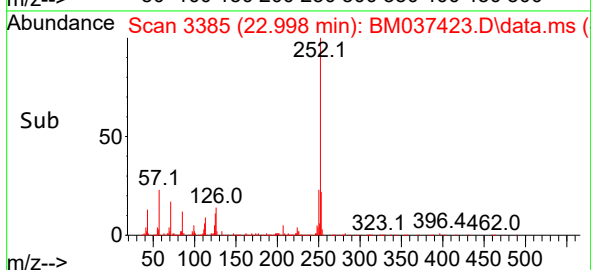
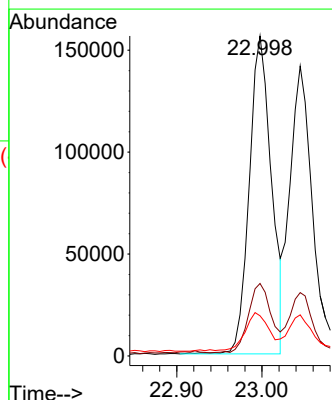
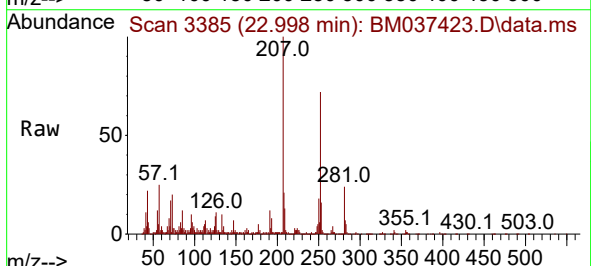
Tgt Ion:252 Resp: 282174

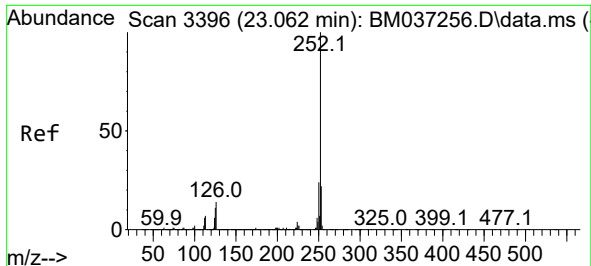
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 12.6 9.1 13.7

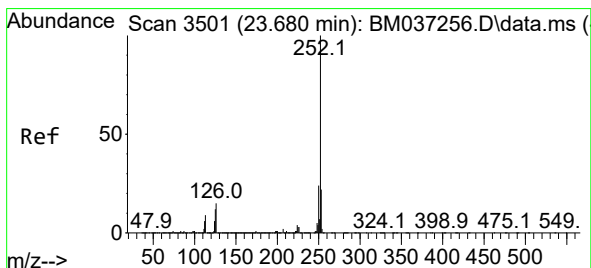
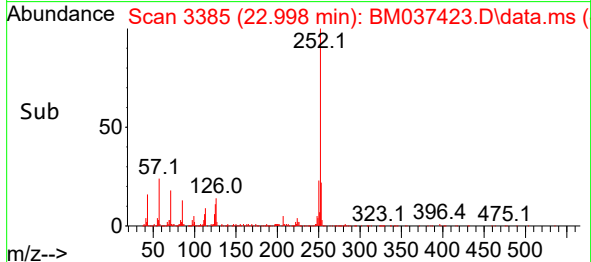
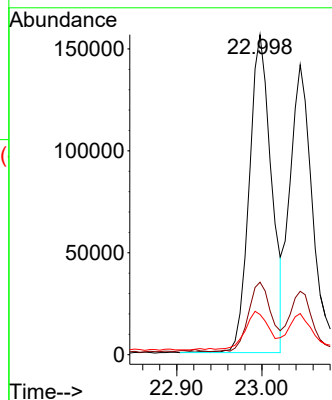
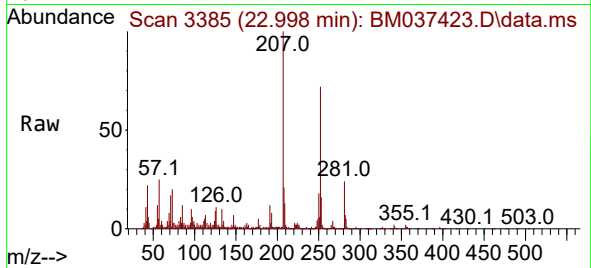




#89
Benzo(k)fluoranthene
Concen: 3.916 ng
RT: 22.998 min Scan# 31
Delta R.T. -0.117 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:252 Resp: 282174
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.6 9.1 13.7



#90
Benzo(a)pyrene
Concen: 2.945 ng
RT: 23.604 min Scan# 3488
Delta R.T. -0.076 min
Lab File: BM037423.D
Acq: 08 Nov 2022 11:41

Tgt Ion:252 Resp: 169496
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 14.0 9.9 14.9

