

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111422\
 Data File : BP012651.D
 Acq On : 14 Nov 2022 15:03
 Operator : CG/JU
 Sample : N5529-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NMS-SOIL-1108

Quant Time: Nov 14 17:00:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 14 04:00:17 2022
 Response via : Initial Calibration

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

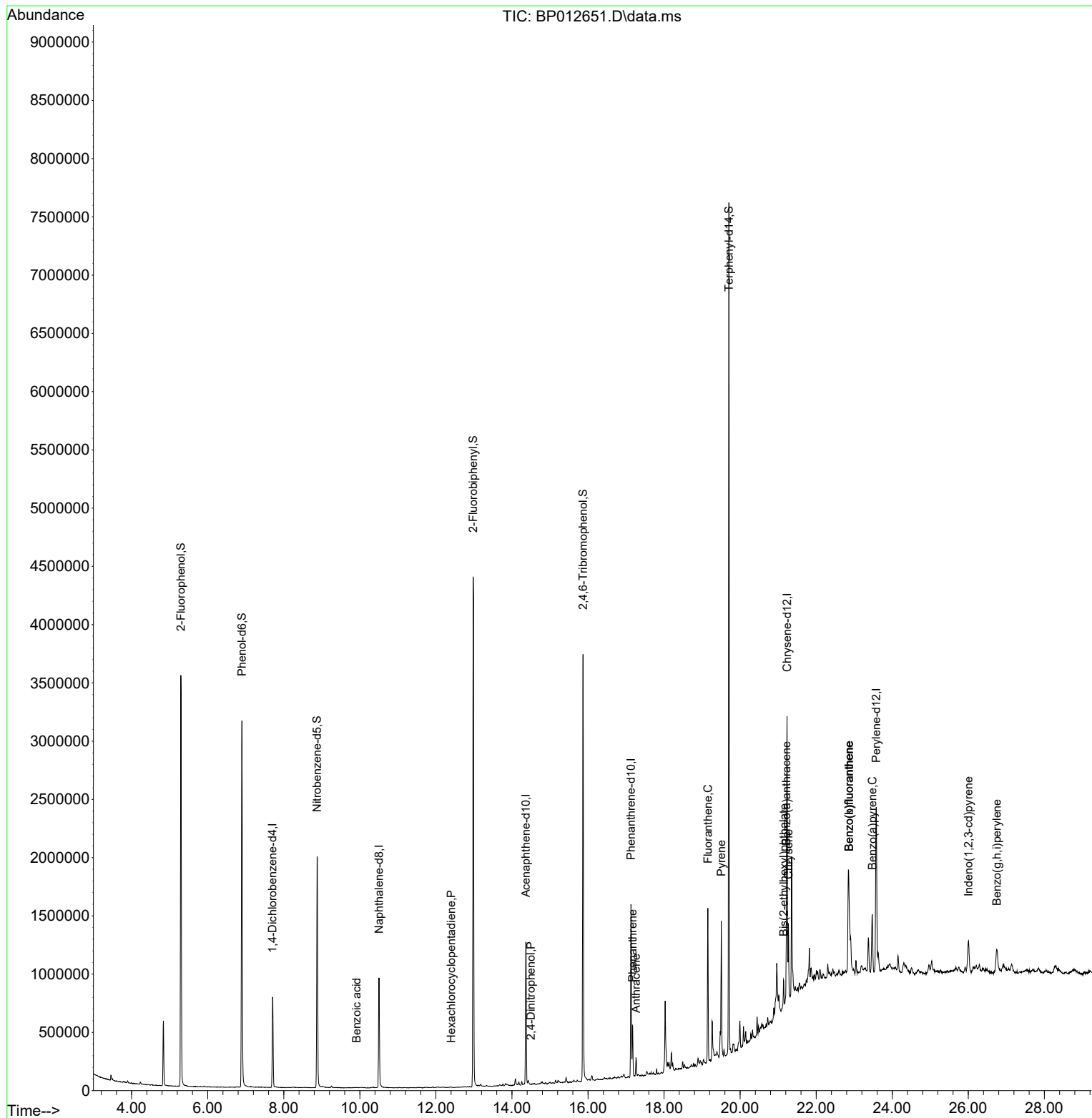
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	218735	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	802718	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	436975	20.000	ng	0.00
64) Phenanthrene-d10	17.128	188	902966	20.000	ng	0.00
76) Chrysene-d12	21.233	240	1006984	20.000	ng	0.00
86) Perylene-d12	23.580	264	1126920	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1617083	137.660	ng	0.00
7) Phenol-d6	6.899	99	1925816	118.110	ng	0.00
23) Nitrobenzene-d5	8.875	82	1221290	84.407	ng	-0.01
42) 2,4,6-Tribromophenol	15.869	330	784122	131.447	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	2345654	81.490	ng	-0.01
79) Terphenyl-d14	19.704	244	3479063	69.994	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.916	122	109	5.022	ng	# 1
41) Hexachlorocyclopentadiene	12.404	237	29	5.156	ng	92
54) 2,4-Dinitrophenol	14.498	184	24	4.844	ng	# 1
71) Phenanthrene	17.175	178	263223	5.288	ng	98
72) Anthracene	17.263	178	100904	2.113	ng	99
75) Fluoranthene	19.151	202	748104	12.824	ng	99
78) Pyrene	19.504	202	667776	9.613	ng	99
81) Benzo(a)anthracene	21.216	228	408329	6.064	ng	99
83) Chrysene	21.269	228	359018	5.594	ng	98
84) Bis(2-ethylhexyl)phtha...	21.145	149	91227	2.267	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.004	276	270061	3.382	ng	96
88) Benzo(b)fluoranthene	22.863	252	688242	9.493	ng	98
89) Benzo(k)fluoranthene	22.863	252	688242	9.729	ng	98
90) Benzo(a)pyrene	23.474	252	379491	6.410	ng	98
92) Benzo(g,h,i)perylene	26.751	276	267735	4.108	ng	99

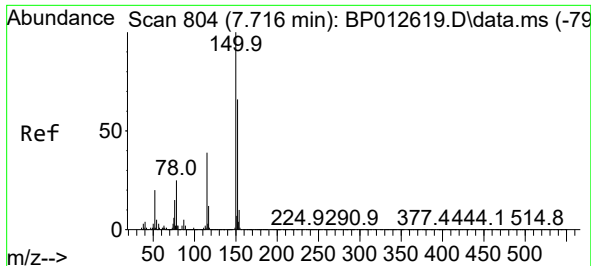
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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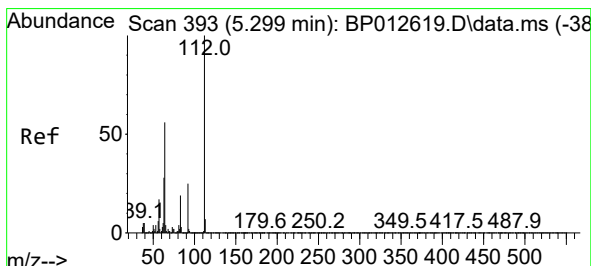
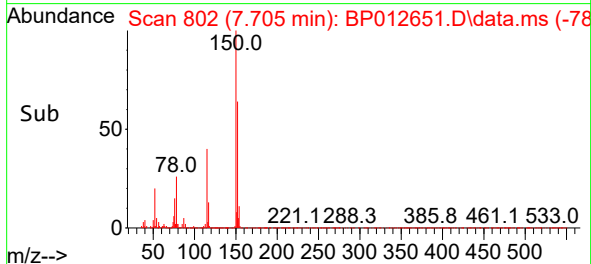
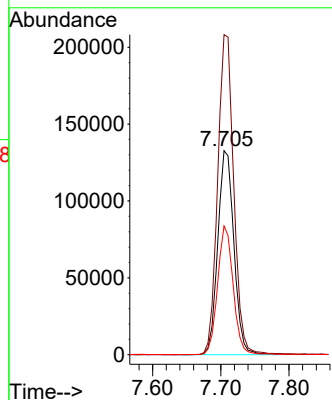
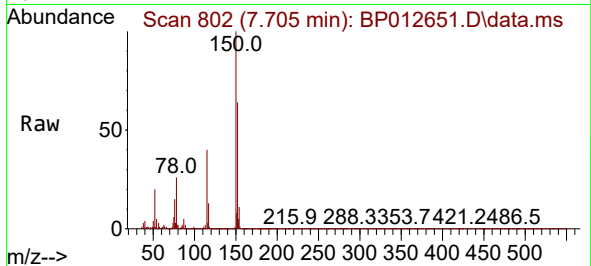




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

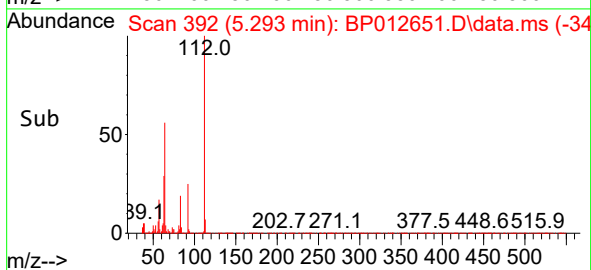
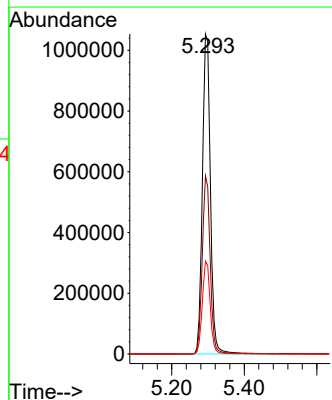
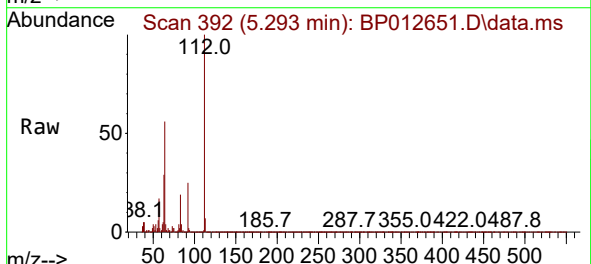
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BNA_P
ClientSampleId :
NMS-SOIL-1108

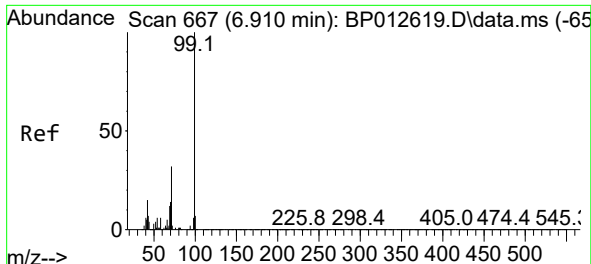
Tgt Ion:152 Resp: 218735
Ion Ratio Lower Upper
152 100
150 156.8 122.1 183.1
115 63.1 47.3 70.9



#5
2-Fluorophenol
Concen: 137.660 ng
RT: 5.293 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:112 Resp: 1617083
Ion Ratio Lower Upper
112 100
64 55.6 44.6 67.0
63 29.0 22.8 34.2

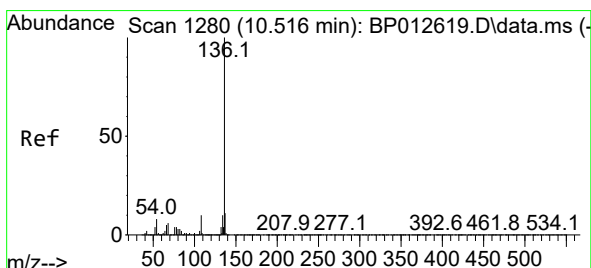
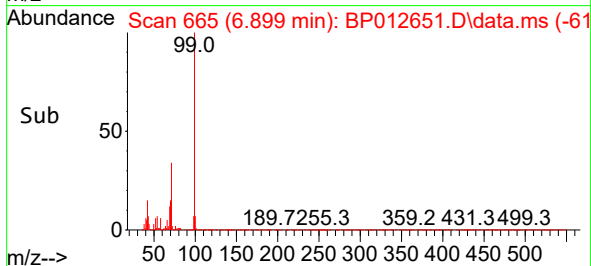
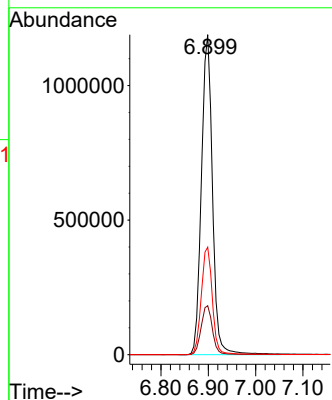
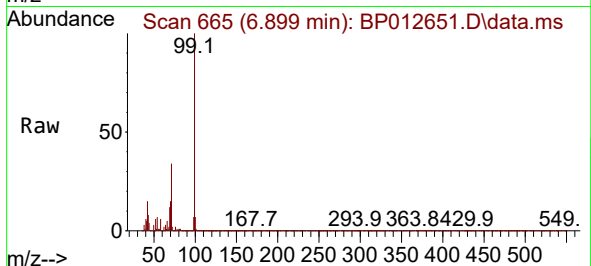




#7
Phenol-d6
Concen: 118.110 ng
RT: 6.899 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

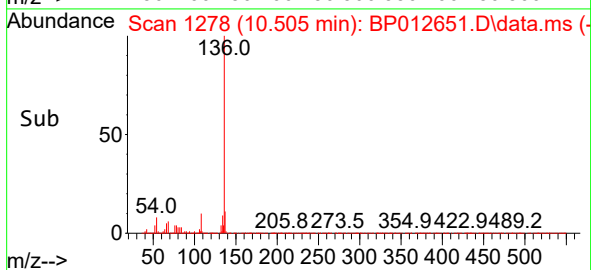
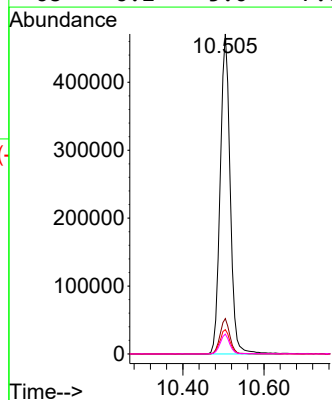
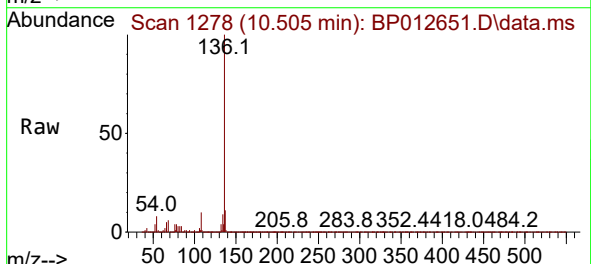
Instrument :
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ClientSampleId :
NMS-SOIL-1108

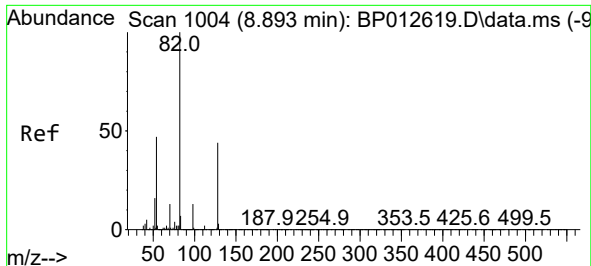
Tgt Ion: 99 Resp: 1925816
Ion Ratio Lower Upper
99 100
42 15.3 12.2 18.2
71 33.6 26.0 39.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:136 Resp: 802718
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.6 6.4 9.6
68 6.2 5.0 7.6

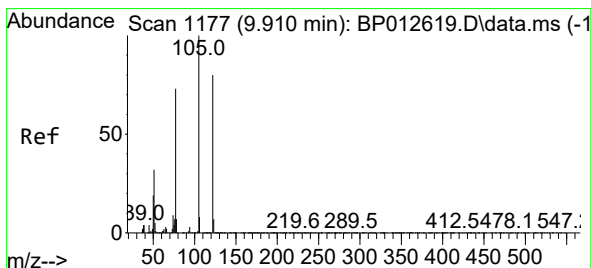
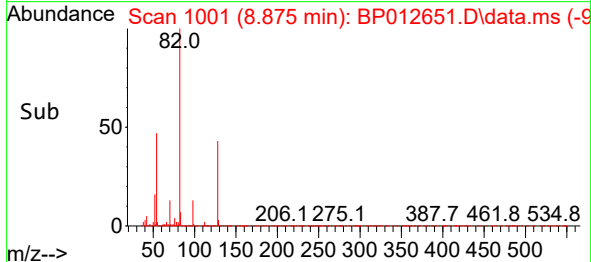
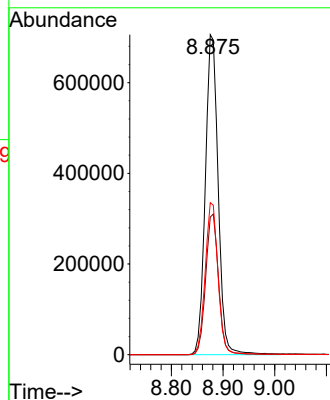
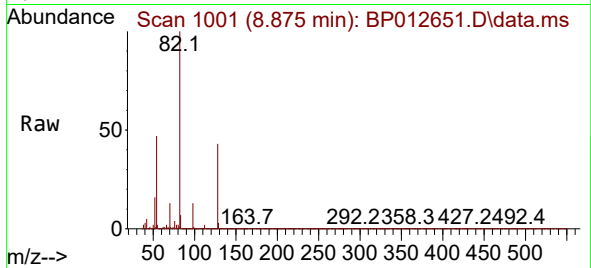




#23
Nitrobenzene-d5
Concen: 84.407 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

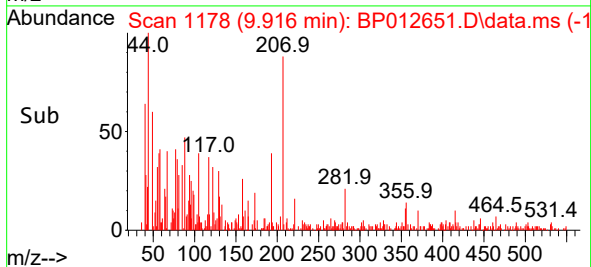
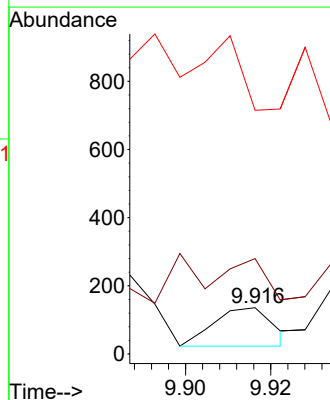
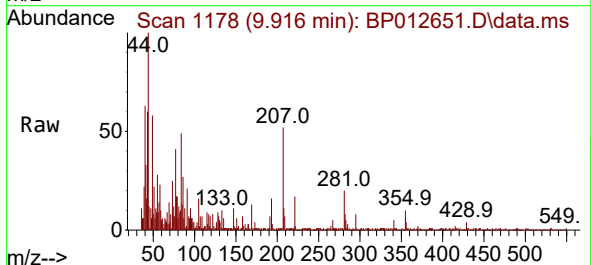
Instrument :
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ClientSampleId :
NMS-SOIL-1108

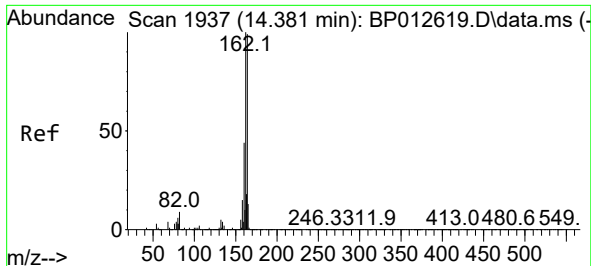
Tgt Ion: 82 Resp: 1221290
Ion Ratio Lower Upper
82 100
128 43.0 35.4 53.2
54 47.5 37.8 56.6



#32
Benzoic acid
Concen: 5.022 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.018 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:122 Resp: 109
Ion Ratio Lower Upper
122 100
105 205.9 102.2 142.2#
77 525.7 70.7 110.7#

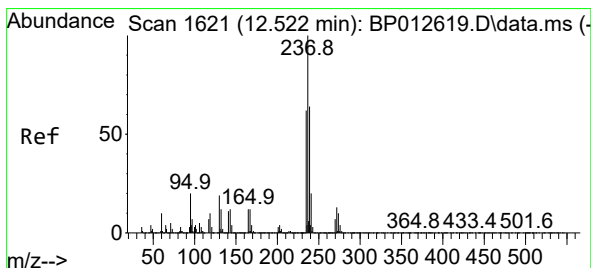
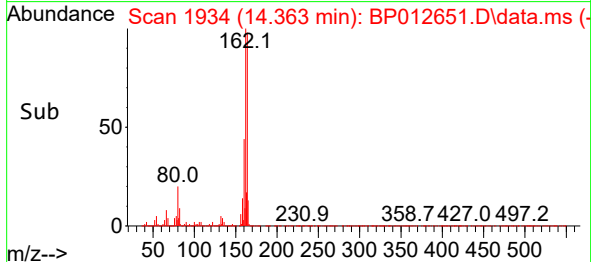
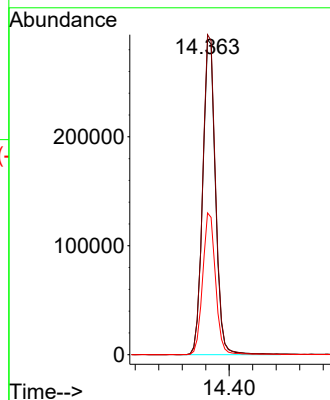
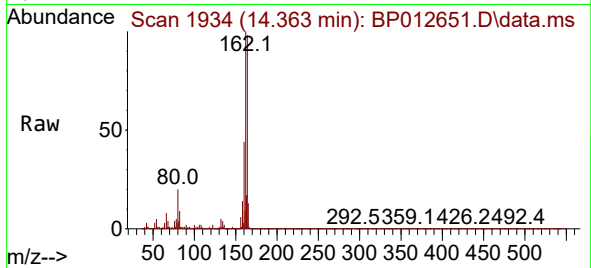




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

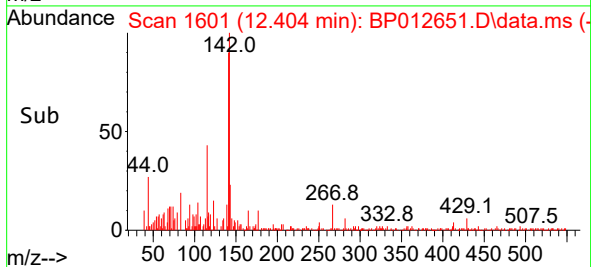
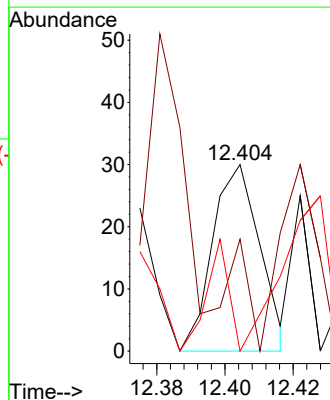
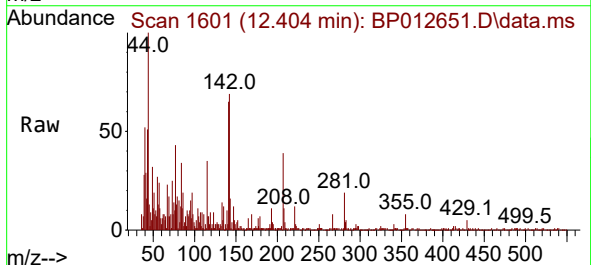
Instrument :
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ClientSampleId :
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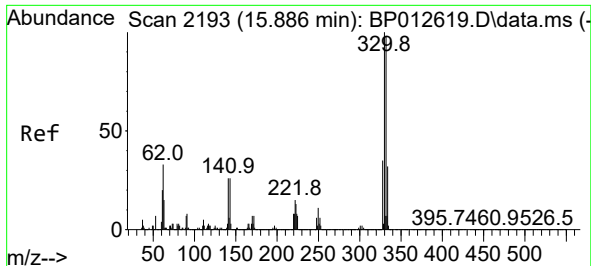
Tgt Ion:164 Resp: 436975
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.6
160 45.0 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 5.156 ng
RT: 12.404 min Scan# 1601
Delta R.T. -0.112 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:237 Resp: 29
Ion Ratio Lower Upper
237 100
235 60.0 42.1 82.1
272 0.0 0.0 33.2

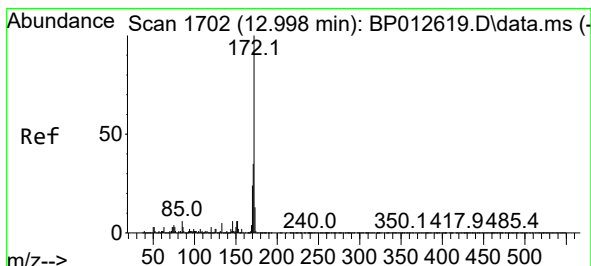
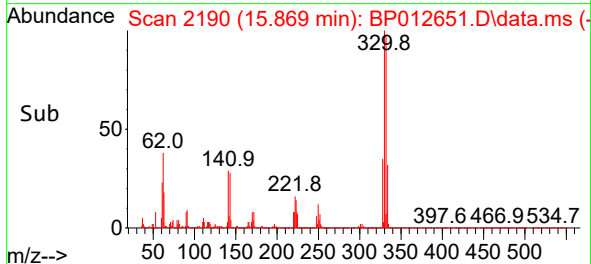
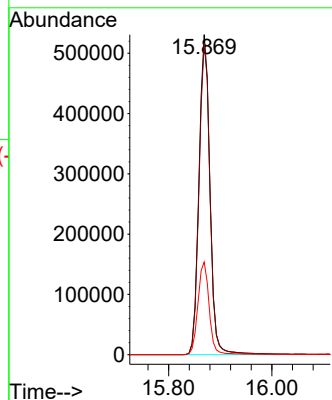
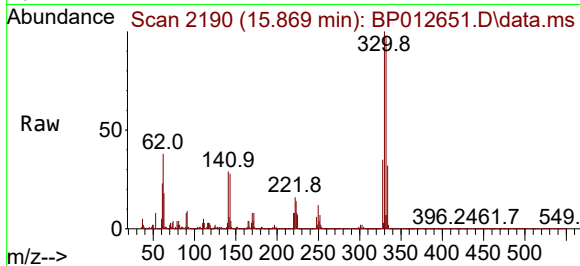




#42
2,4,6-Tribromophenol
Concen: 131.447 ng
RT: 15.869 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

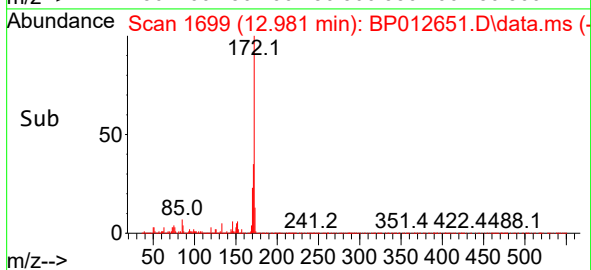
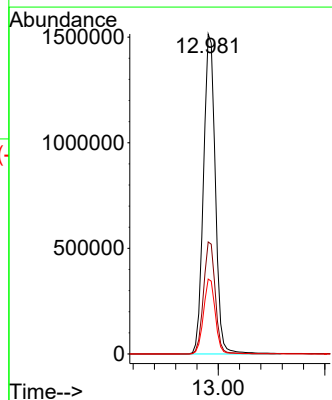
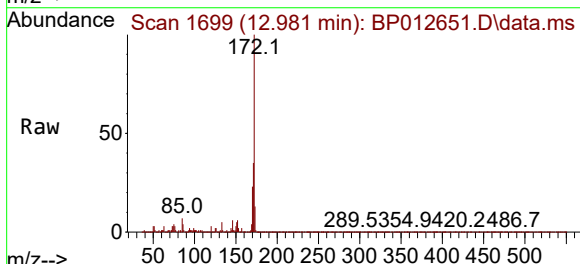
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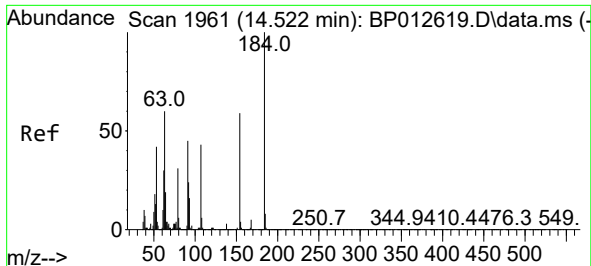
Tgt Ion:330 Resp: 784122
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 29.4 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 81.490 ng
RT: 12.981 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:172 Resp: 2345654
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.4 19.0 28.6

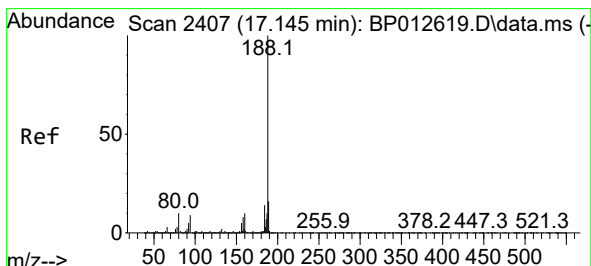
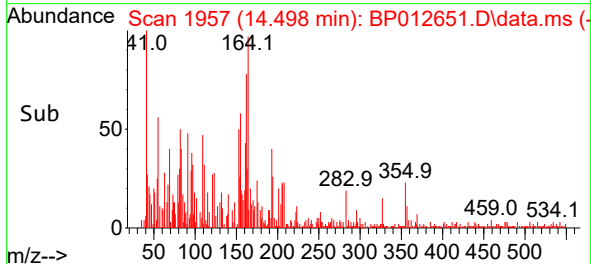
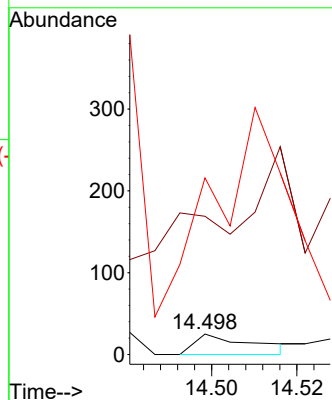
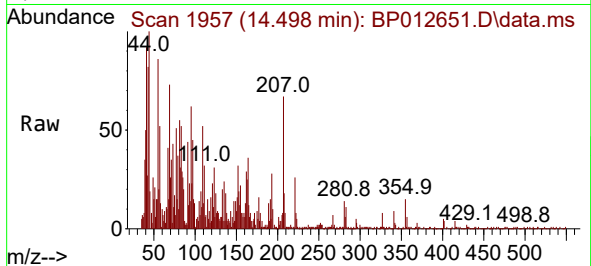




#54
2,4-Dinitrophenol
Concen: 4.844 ng
RT: 14.498 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

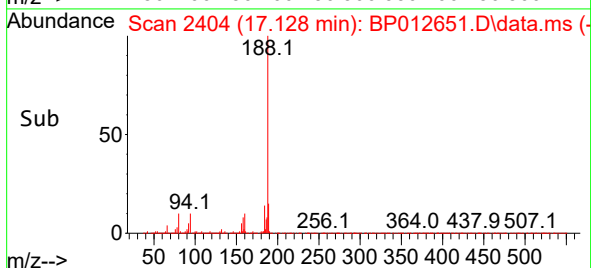
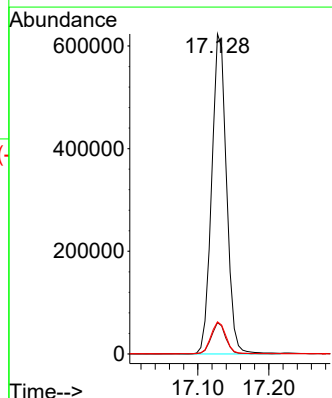
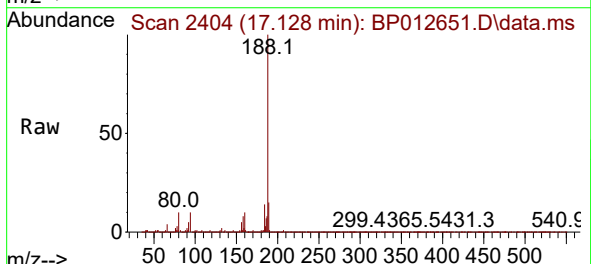
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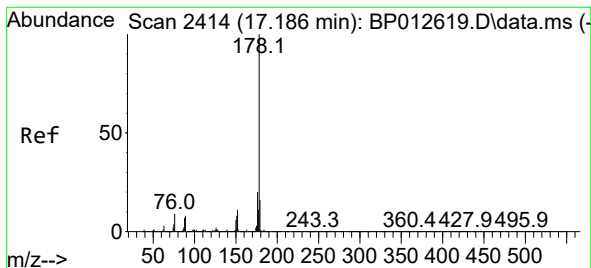
Tgt Ion:184 Resp: 24
Ion Ratio Lower Upper
184 100
63 676.0 48.5 72.7#
154 864.0 49.4 74.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.128 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:188 Resp: 902966
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.0 8.2 12.2





#71

Phenanthrene

Concen: 5.288 ng

RT: 17.175 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

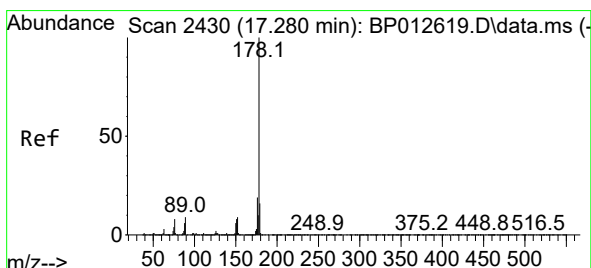
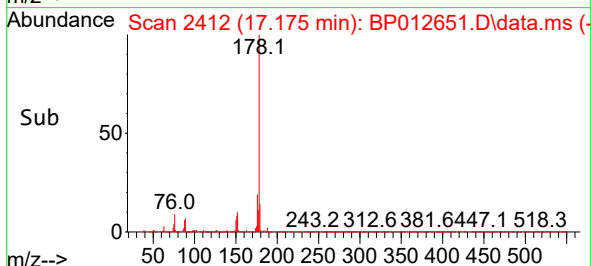
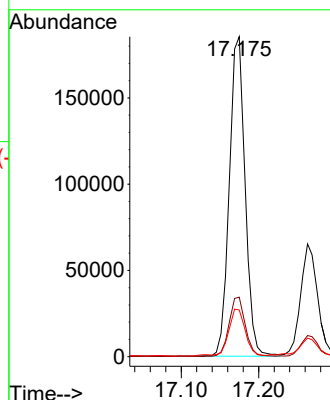
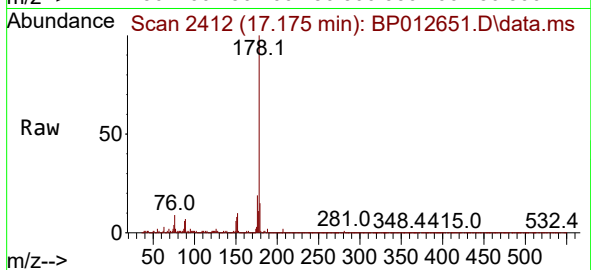
Tgt Ion:178 Resp: 263223

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

179 14.6 12.6 18.8



#72

Anthracene

Concen: 2.113 ng

RT: 17.263 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

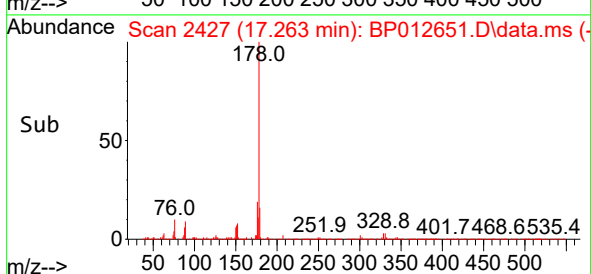
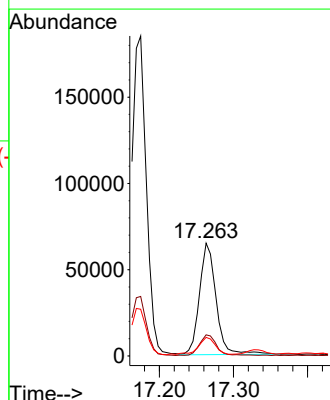
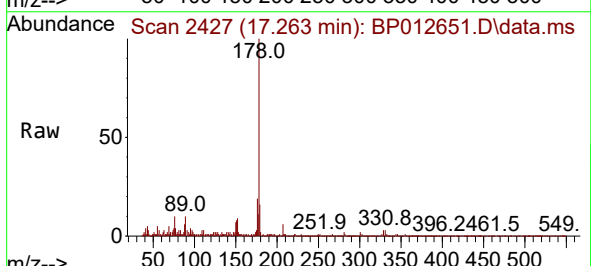
Tgt Ion:178 Resp: 100904

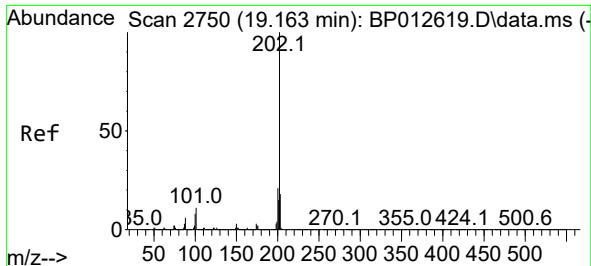
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 16.4 12.5 18.7

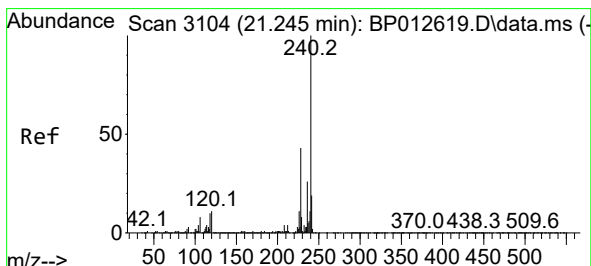
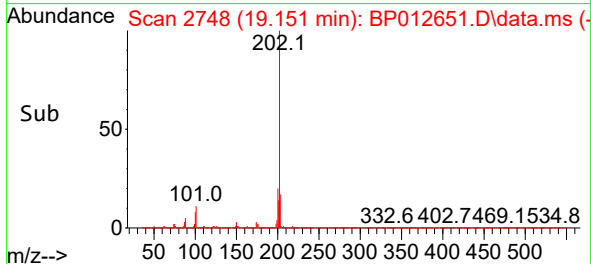
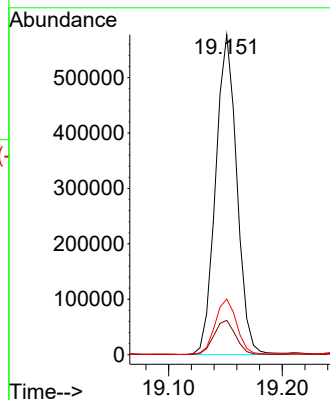
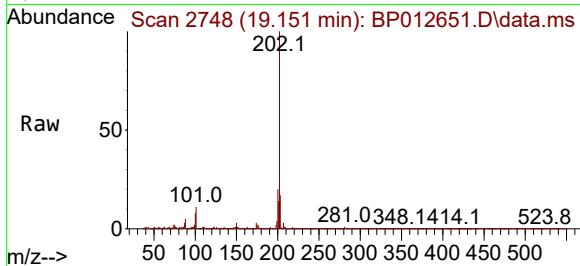




#75
Fluoranthene
Concen: 12.824 ng
RT: 19.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

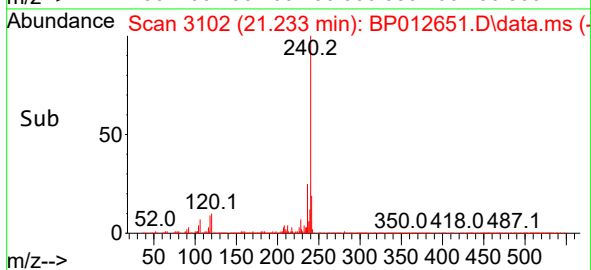
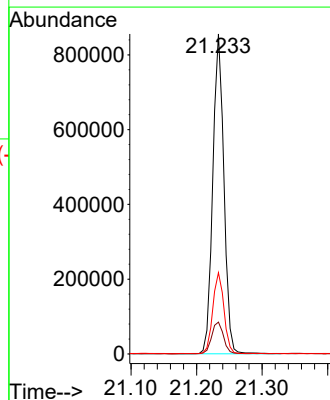
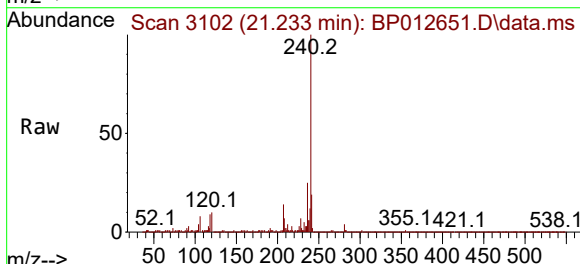
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108

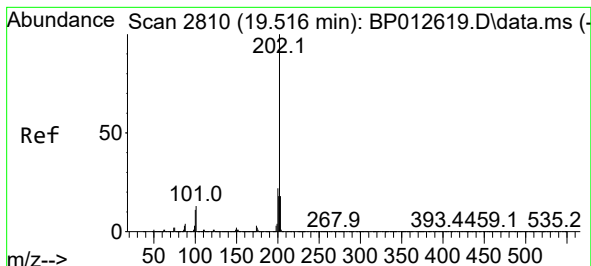
Tgt Ion:202 Resp: 748104
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.233 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:240 Resp: 1006984
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 25.4 20.8 31.2





#78

Pyrene

Concen: 9.613 ng

RT: 19.504 min Scan# 2808

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

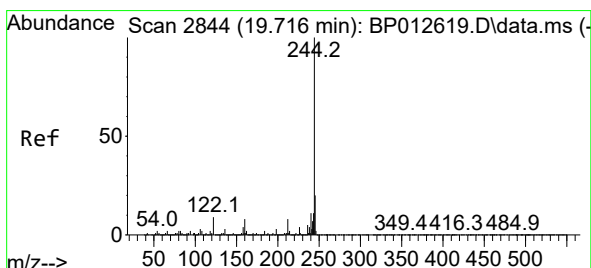
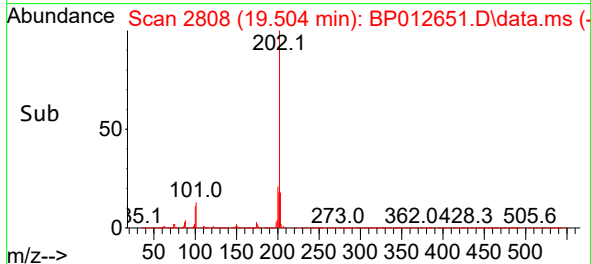
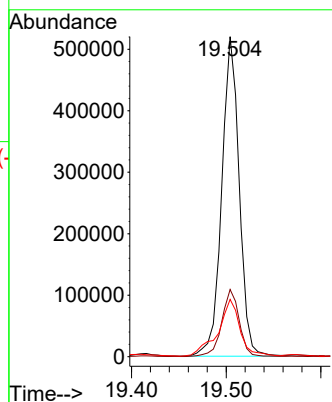
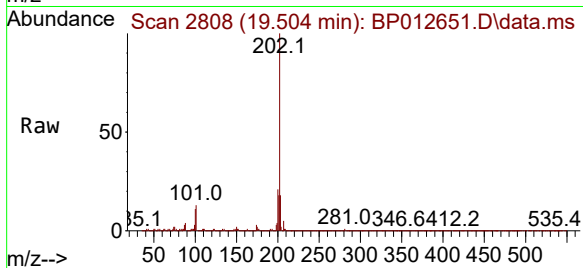
Tgt Ion:202 Resp: 667776

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.0

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 69.994 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

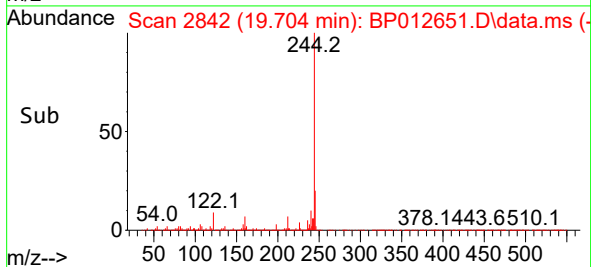
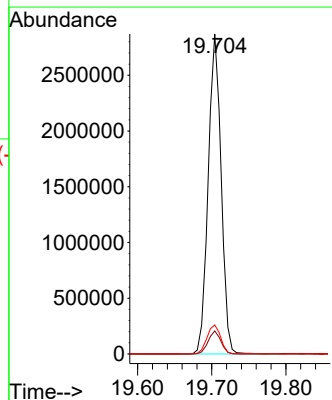
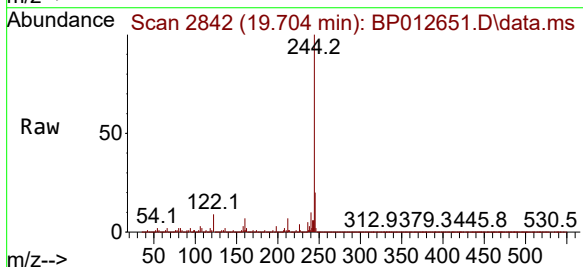
Tgt Ion:244 Resp: 3479063

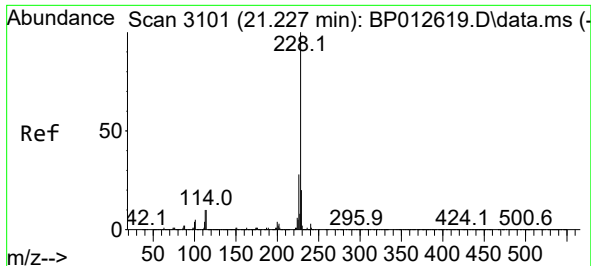
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

122 9.0 7.0 10.4

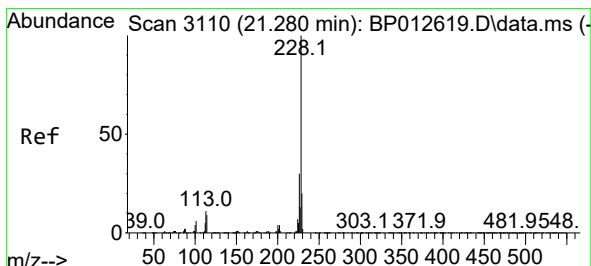
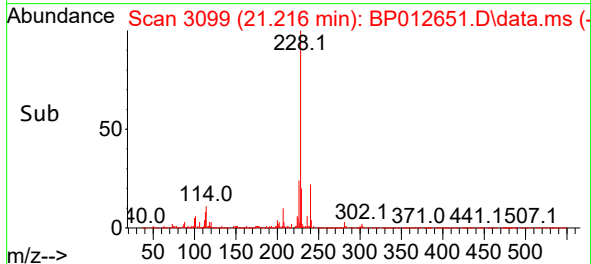
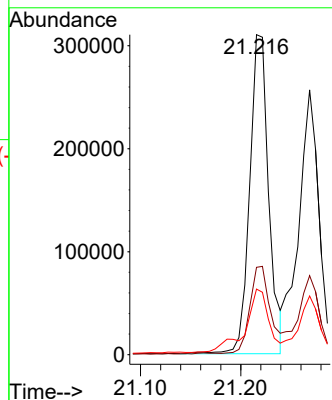
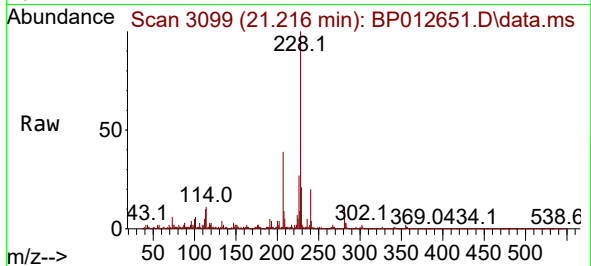




#81
Benzo(a)anthracene
Concen: 6.064 ng
RT: 21.216 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

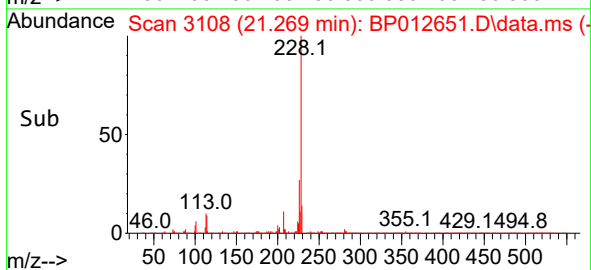
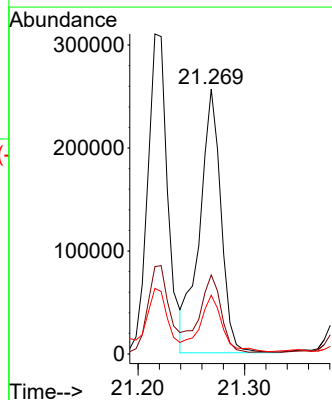
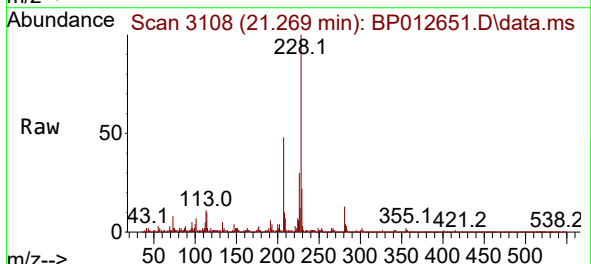
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108

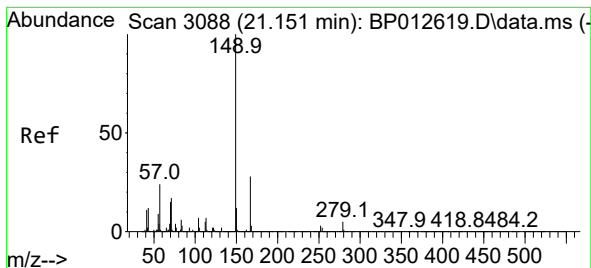
Tgt Ion:228 Resp: 408329
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 20.5 16.2 24.2



#83
Chrysene
Concen: 5.594 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:228 Resp: 359018
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.4
229 22.2 16.2 24.4

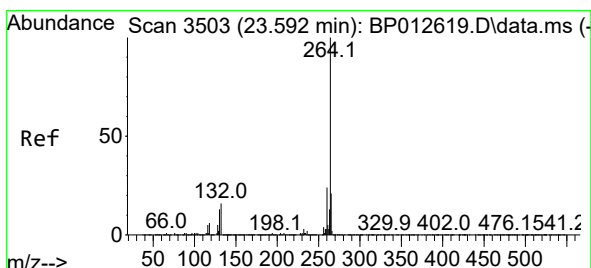
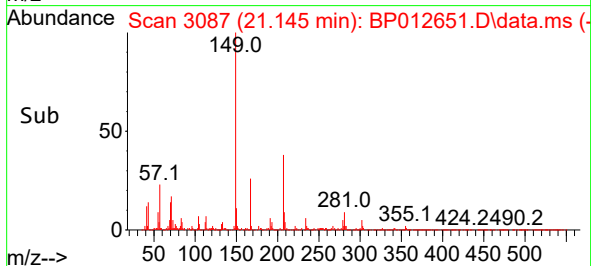
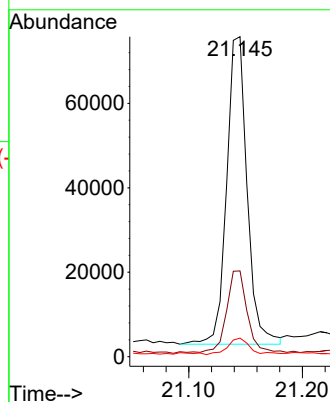
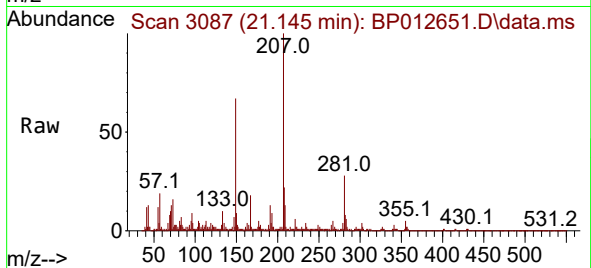




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.267 ng
RT: 21.145 min Scan# 3088
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

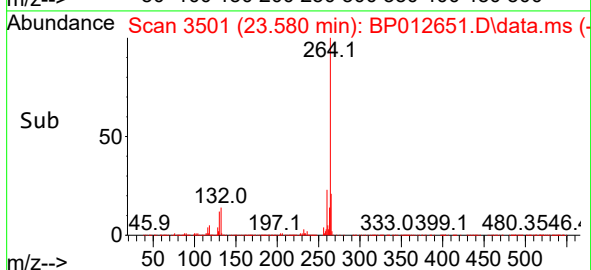
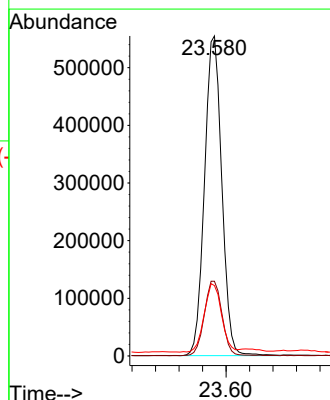
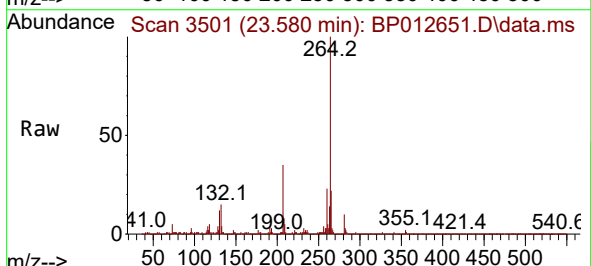
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108

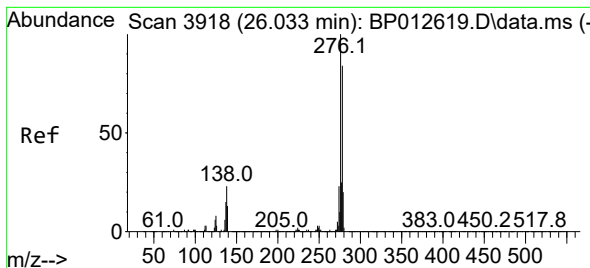
Tgt Ion:149 Resp: 91227
Ion Ratio Lower Upper
149 100
167 26.8 22.1 33.1
279 5.8 3.7 5.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.580 min Scan# 3501
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:264 Resp: 1126920
Ion Ratio Lower Upper
264 100
260 23.3 18.9 28.3
265 22.0 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.382 ng

RT: 26.004 min Scan# 3379

Delta R.T. -0.012 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

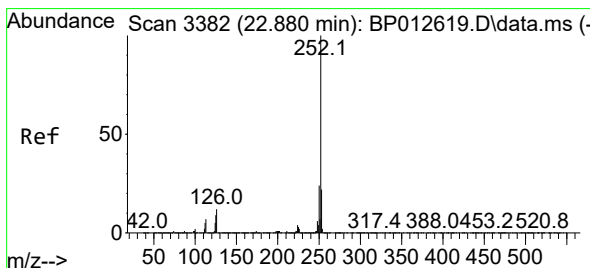
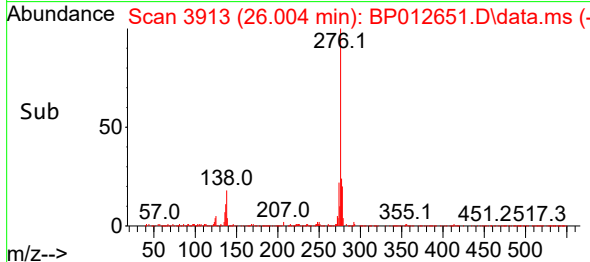
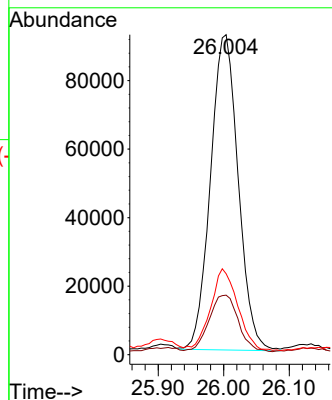
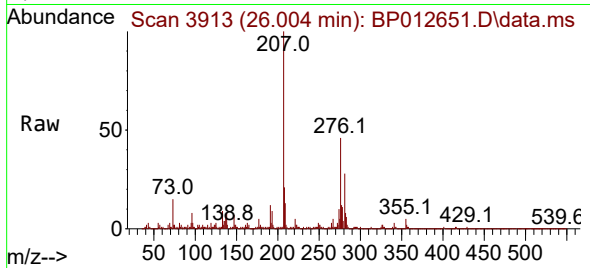
Tgt Ion:276 Resp: 270061

Ion Ratio Lower Upper

276 100

138 18.9 18.6 27.8

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.493 ng

RT: 22.863 min Scan# 3379

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

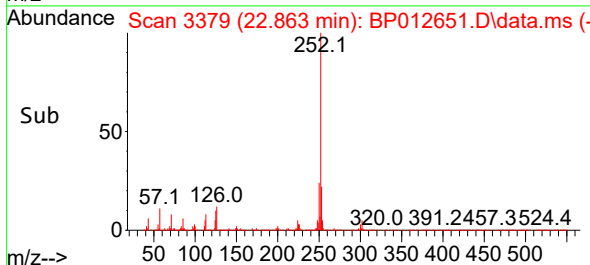
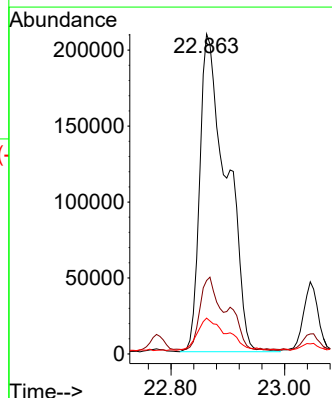
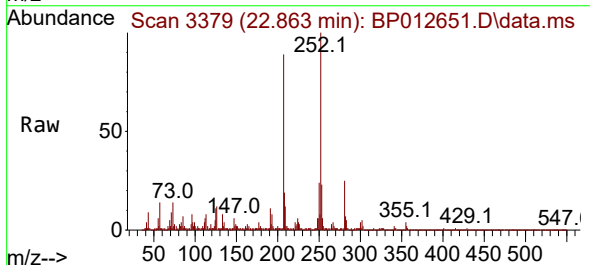
Tgt Ion:252 Resp: 688242

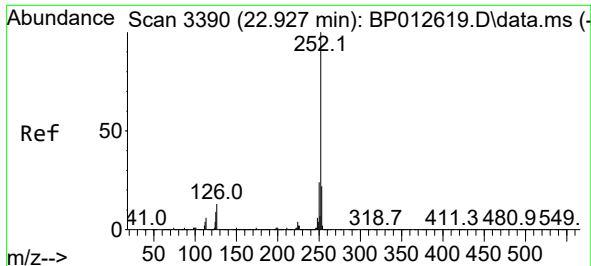
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 11.2 7.6 11.4

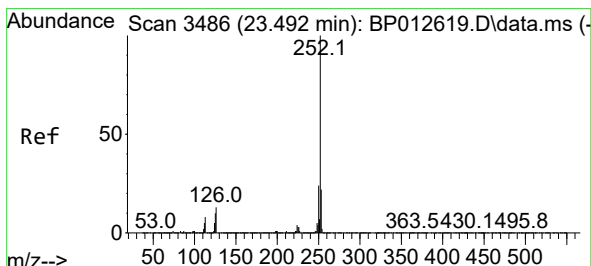
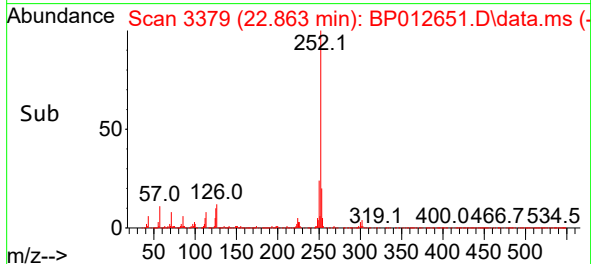
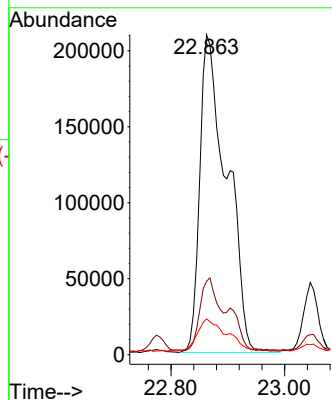
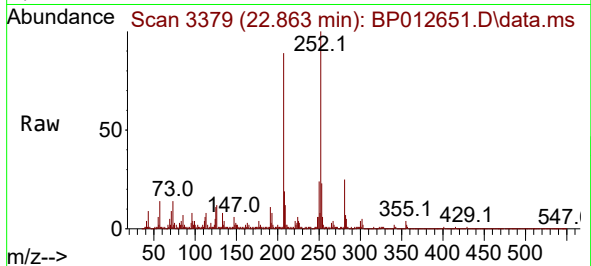




#89
Benzo(k)fluoranthene
Concen: 9.729 ng
RT: 22.863 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

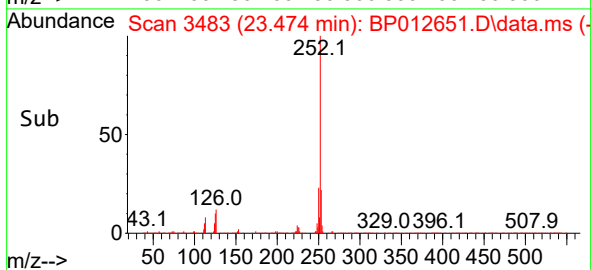
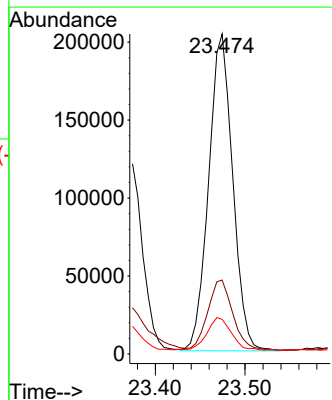
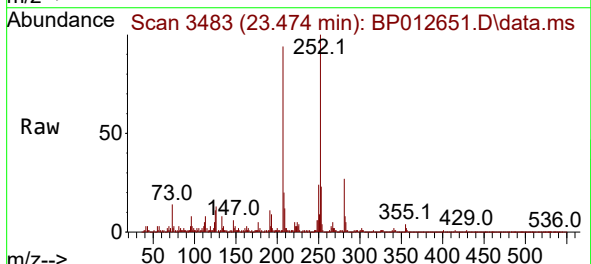
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108

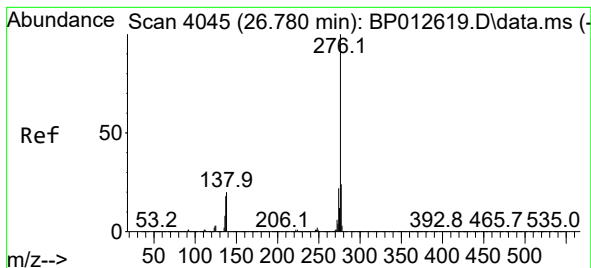
Tgt Ion:252 Resp: 688242
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.2 7.7 11.5



#90
Benzo(a)pyrene
Concen: 6.410 ng
RT: 23.474 min Scan# 3483
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:252 Resp: 379491
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.8 8.2 12.4





#92

Benzo(g,h,i)perylene

Concen: 4.108 ng

RT: 26.751 min Scan# 4040

Delta R.T. -0.018 min

Lab File: BP012651.D

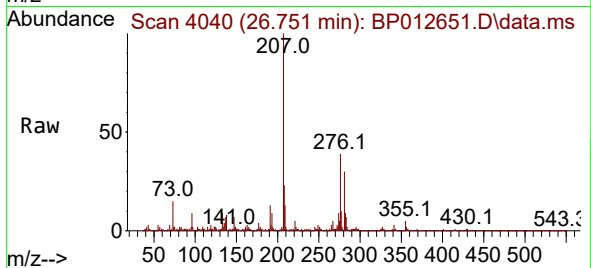
Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108



Tgt Ion:276 Resp: 267735

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.2

138 20.4 16.2 24.4

