

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039266.D
 Acq On : 31 Mar 2023 23:04
 Operator : CG/JU
 Sample : 02070-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILPILE-1-0323

Quant Time: Apr 01 05:22:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

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

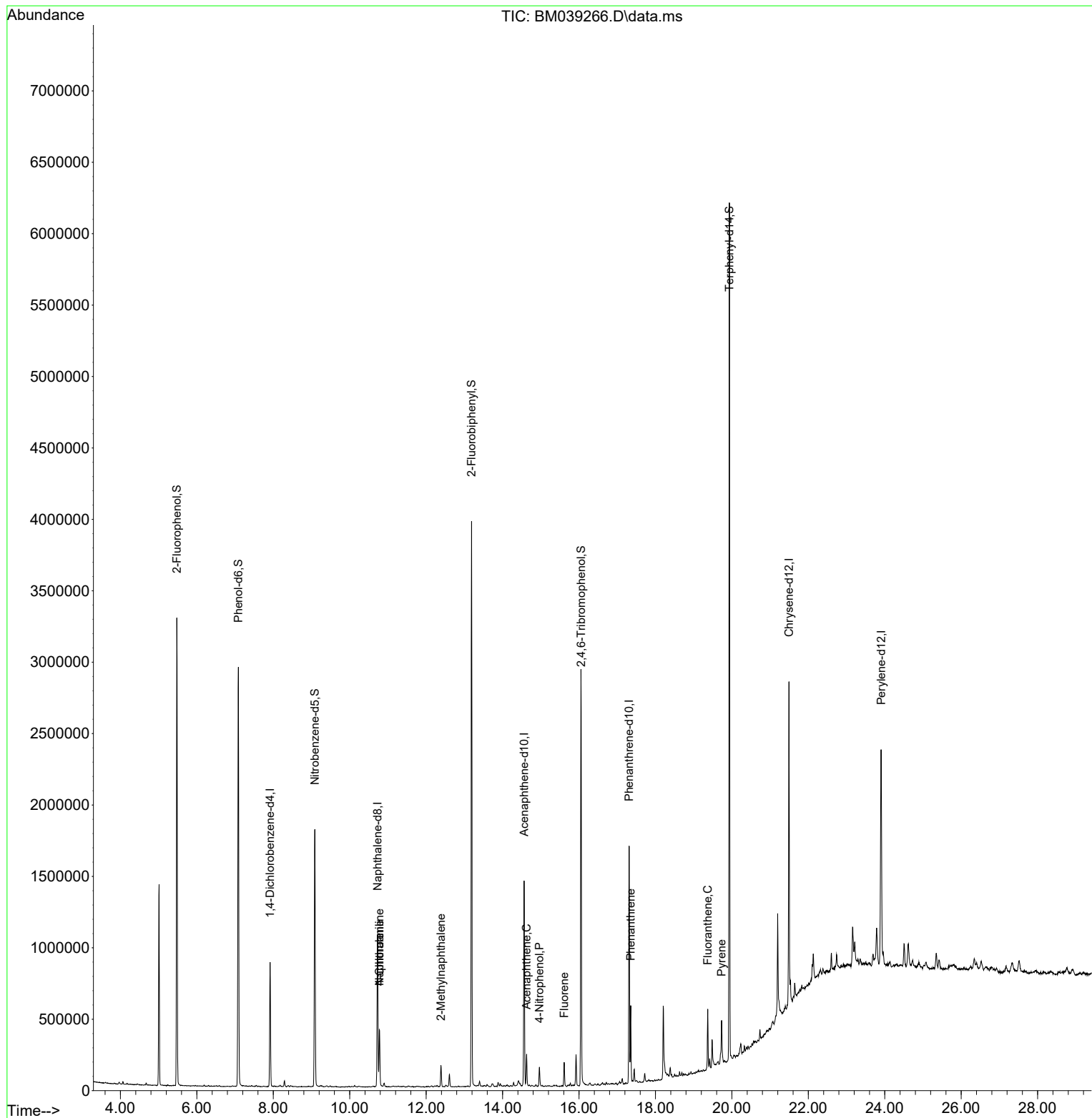
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	221796	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	847943	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	465028	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	940468	20.000	ng	0.00
76) Chrysene-d12	21.492	240	951597	20.000	ng	0.00
86) Perylene-d12	23.903	264	1104243	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1361281	92.468	ng	0.00
7) Phenol-d6	7.087	99	1708643	89.734	ng	0.00
23) Nitrobenzene-d5	9.087	82	1039540	59.584	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	493415	83.586	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	1973823	57.510	ng	0.00
79) Terphenyl-d14	19.933	244	2689974	52.227	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.775	128	323609	7.083	ng	99
33) 4-Chloroaniline	10.781	127	40792	2.038	ng	# 34
37) 2-Methylnaphthalene	12.387	142	70246	2.208	ng	96
52) Acenaphthene	14.628	154	73570	2.726	ng	97
56) 4-Nitrophenol	14.963	139	31011	4.514	ng	# 11
58) Fluorene	15.610	166	75107	2.183	ng	100
71) Phenanthrene	17.351	178	307909	5.978	ng	98
75) Fluoranthene	19.368	202	221136	3.766	ng	99
78) Pyrene	19.727	202	187721	2.771	ng	98

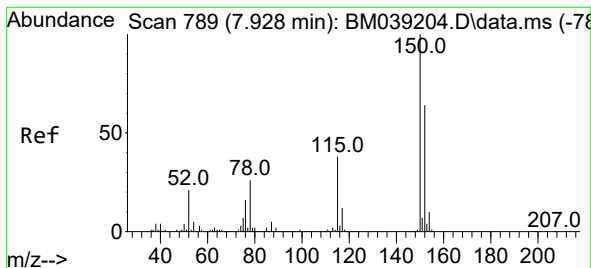
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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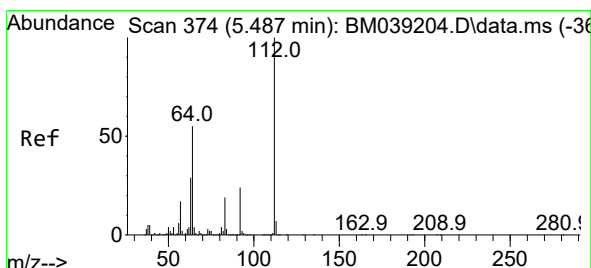
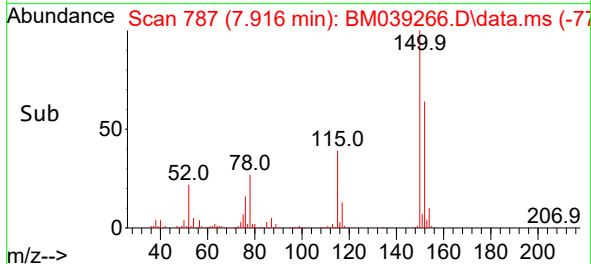
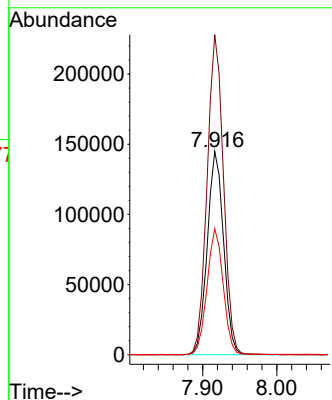
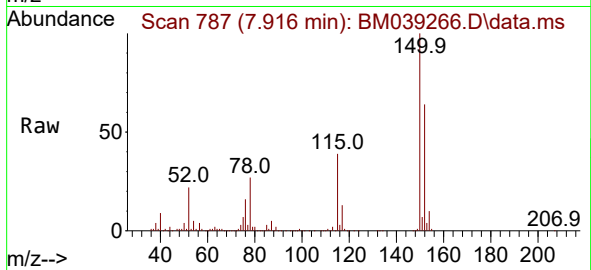




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

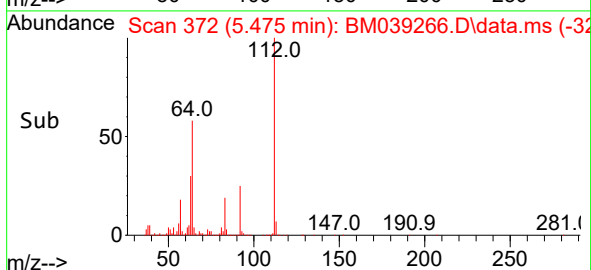
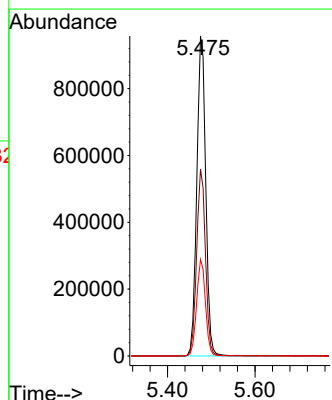
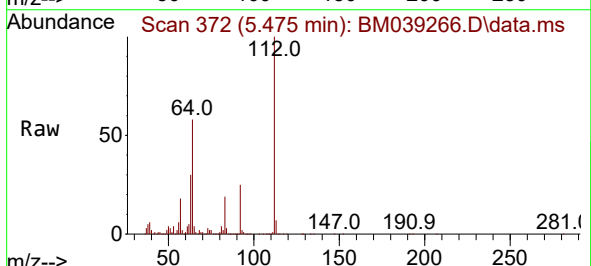
Instrument :
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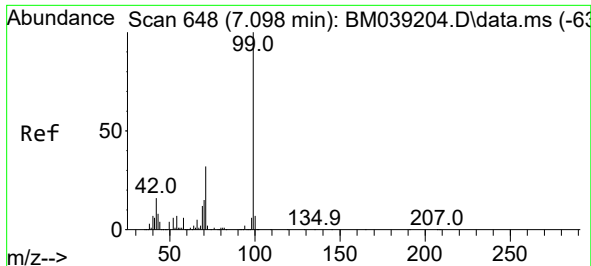
Tgt Ion:152 Resp: 221796
Ion Ratio Lower Upper
152 100
150 157.4 125.5 188.3
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 92.468 ng
RT: 5.475 min Scan# 372
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:112 Resp: 1361281
Ion Ratio Lower Upper
112 100
64 58.4 44.3 66.5
63 30.2 23.0 34.6

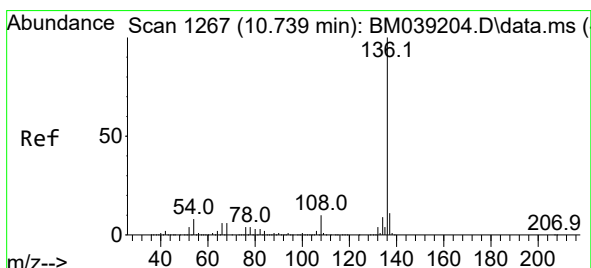
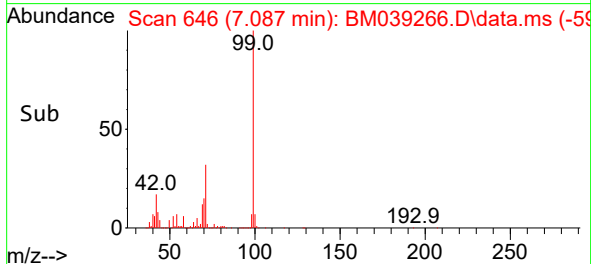
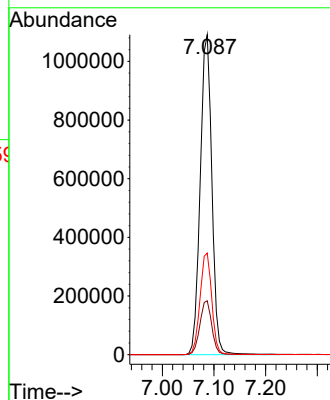
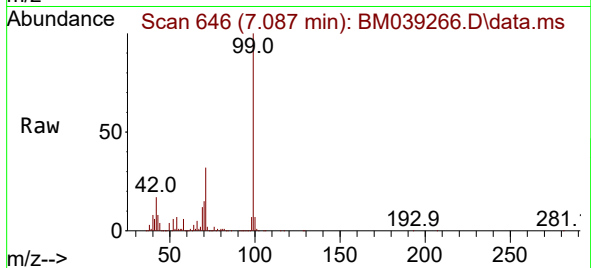




#7
Phenol-d6
Concen: 89.734 ng
RT: 7.087 min Scan# 64
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

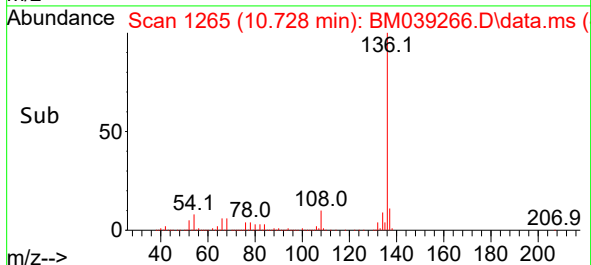
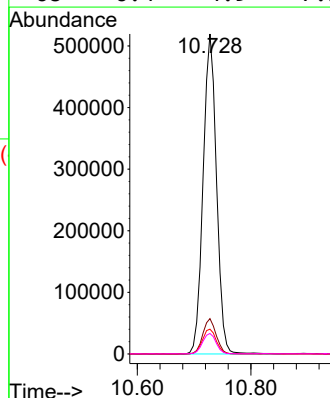
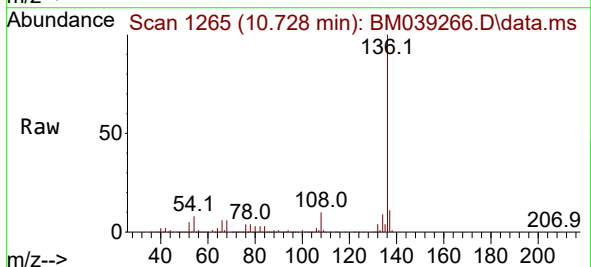
Instrument :
BNA_M
ClientSampleId :
SOILPILE-1-0323

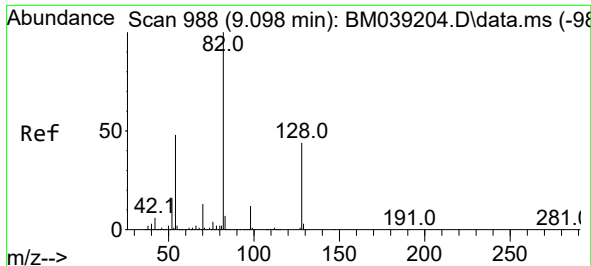
Tgt Ion: 99 Resp: 1708643
Ion Ratio Lower Upper
99 100
42 16.8 13.0 19.6
71 31.7 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:136 Resp: 847943
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 6.2 9.4
68 6.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 59.584 ng

RT: 9.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

Instrument :

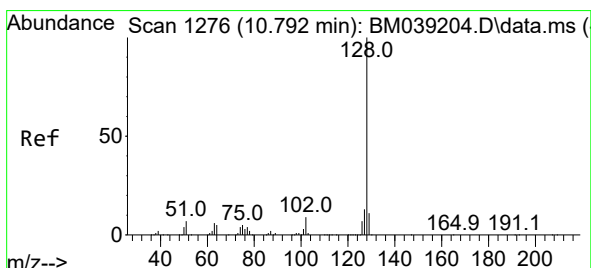
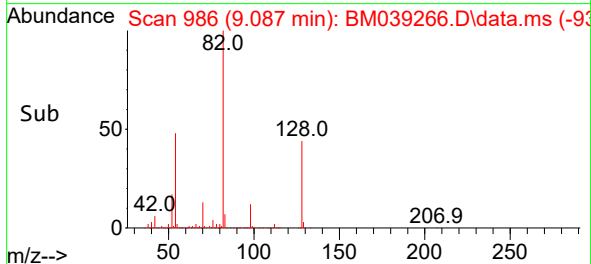
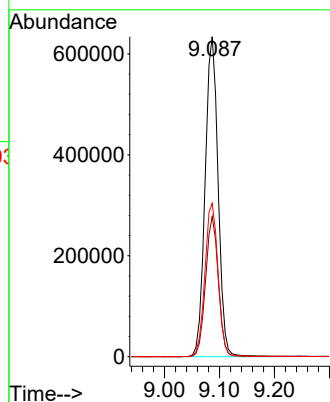
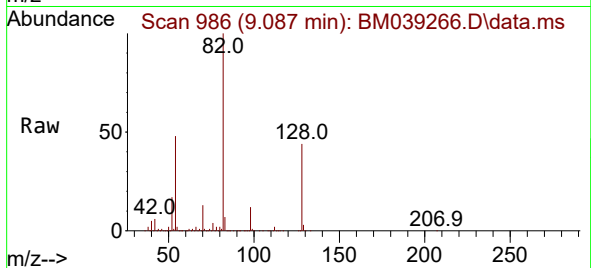
BNA_M

ClientSampleId :

SOILPILE-1-0323

Tgt Ion: 82 Resp: 1039540

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.1	52.7
54	48.0	38.5	57.7



#31

Naphthalene

Concen: 7.083 ng

RT: 10.775 min Scan# 1273

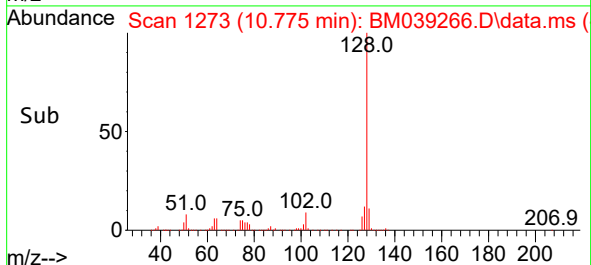
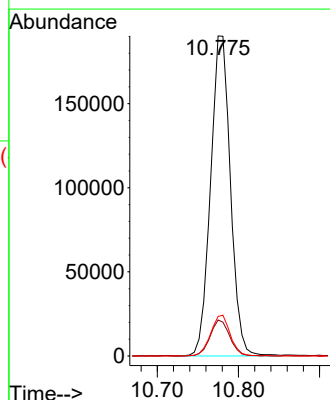
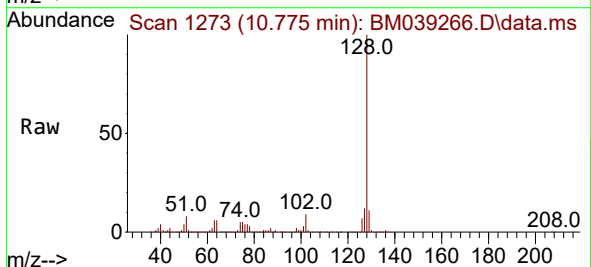
Delta R.T. -0.006 min

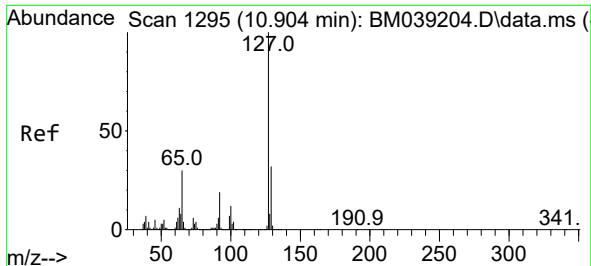
Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

Tgt Ion: 128 Resp: 323609

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	12.4	10.3	15.5

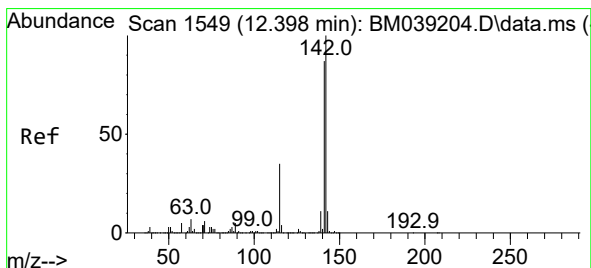
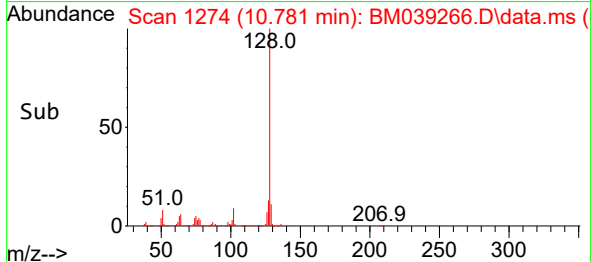
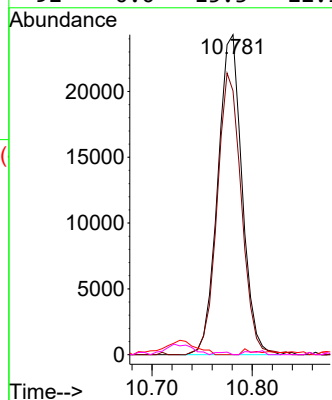
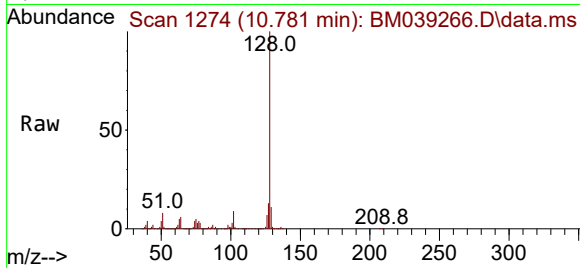




#33
4-Chloroaniline
Concen: 2.038 ng
RT: 10.781 min Scan# 11
Delta R.T. -0.112 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

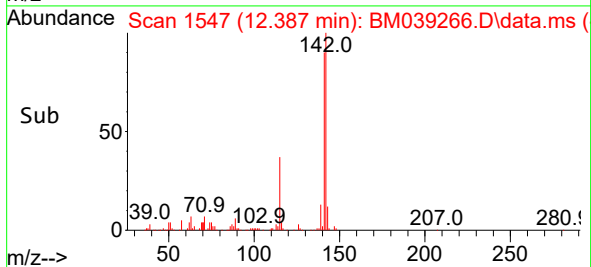
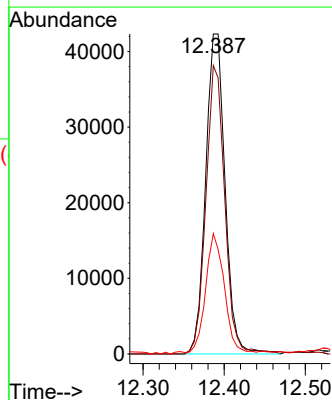
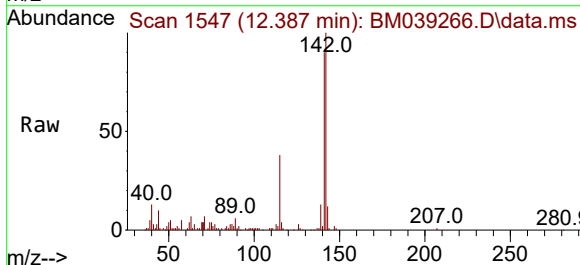
Instrument :
BNA_M
ClientSampleId :
SOILPILE-1-0323

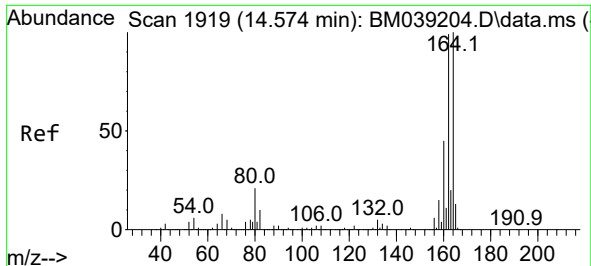
Tgt Ion:127	Resp: 40792
Ion Ratio	Lower Upper
127 100	
129 82.5	25.7 38.5#
65 0.0	24.1 36.1#
92 0.0	15.3 22.9#



#37
2-Methylnaphthalene
Concen: 2.208 ng
RT: 12.387 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:142	Resp: 70246
Ion Ratio	Lower Upper
142 100	
141 90.2	69.8 104.8
115 37.6	27.8 41.8

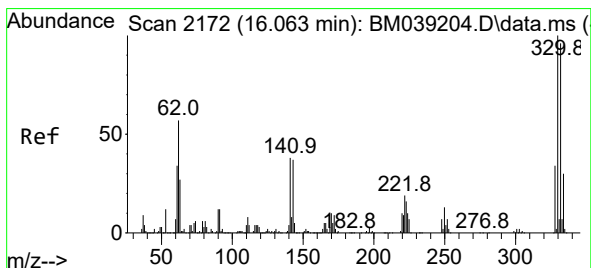
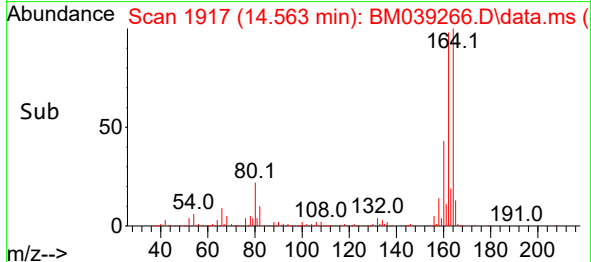
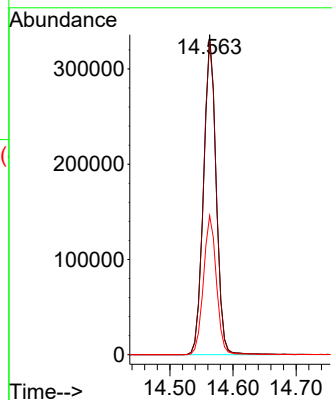
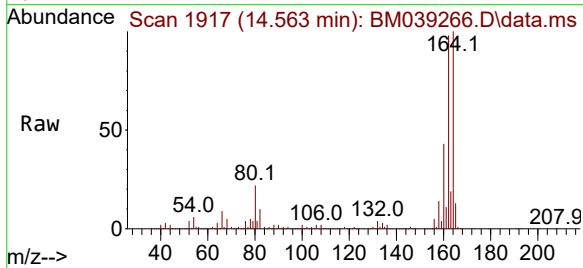




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

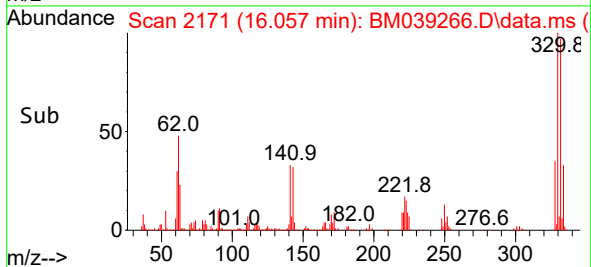
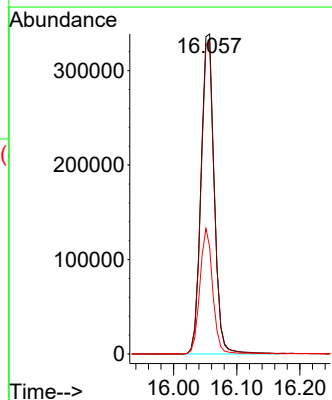
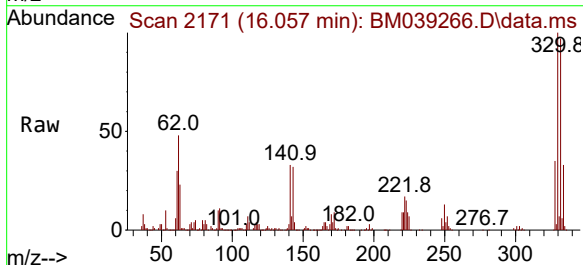
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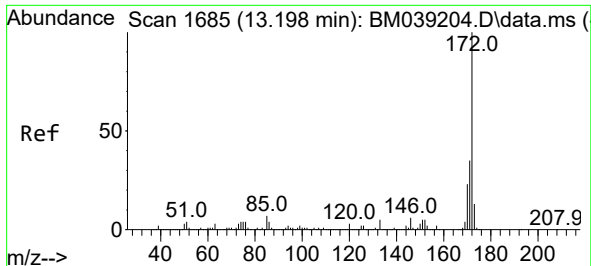
Tgt Ion:164 Resp: 465028
Ion Ratio Lower Upper
164 100
162 97.9 79.1 118.7
160 43.4 35.8 53.8



#42
2,4,6-Tribromophenol
Concen: 83.586 ng
RT: 16.057 min Scan# 2171
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:330 Resp: 493415
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.0
141 38.1 29.8 44.6

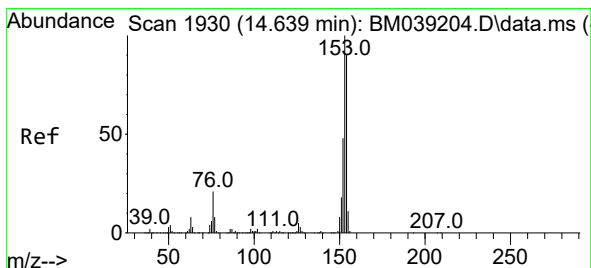
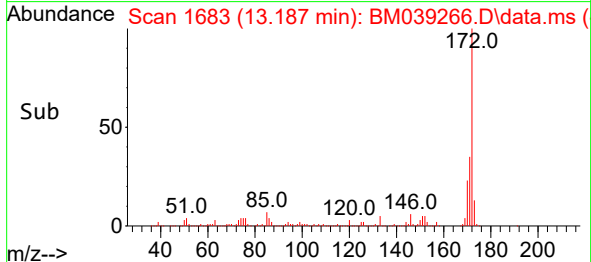
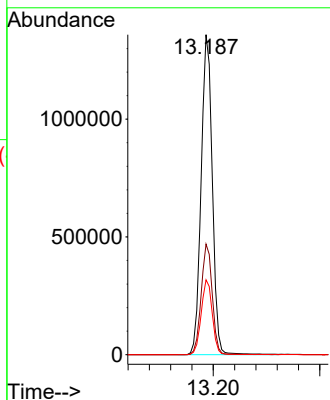
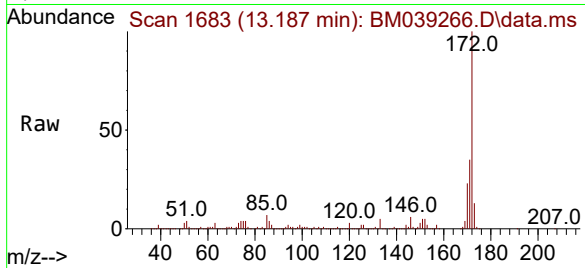




#45
2-Fluorobiphenyl
Concen: 57.510 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

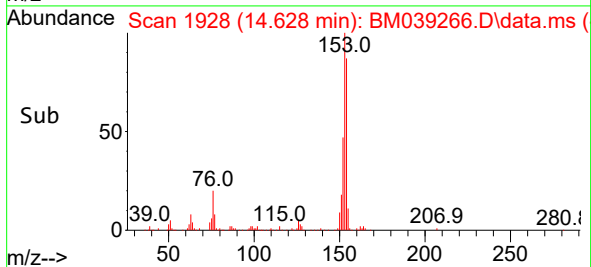
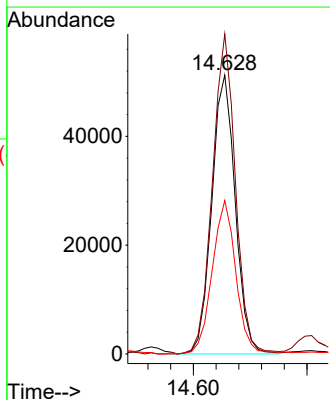
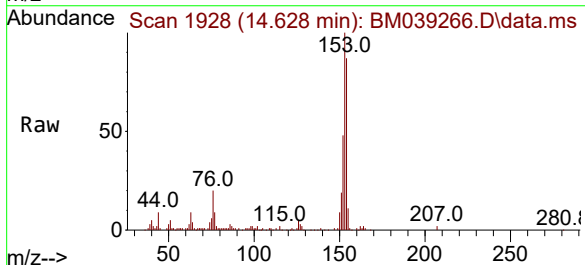
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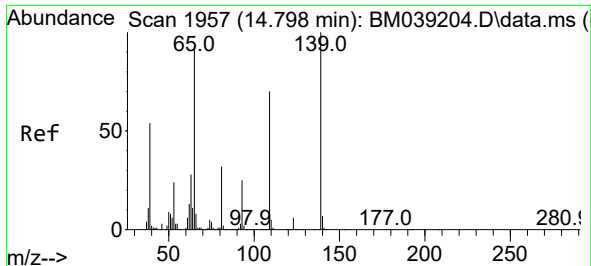
Tgt Ion:172 Resp: 1973823
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.4 18.7 28.1



#52
Acenaphthene
Concen: 2.726 ng
RT: 14.628 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:154 Resp: 73570
Ion Ratio Lower Upper
154 100
153 114.8 89.1 133.7
152 55.0 42.6 64.0

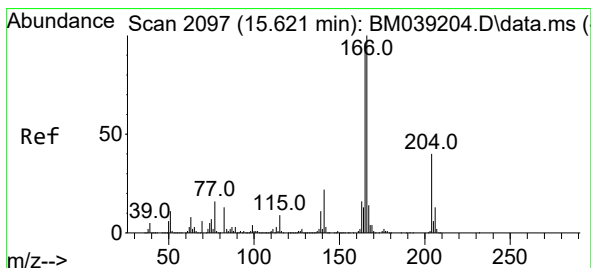
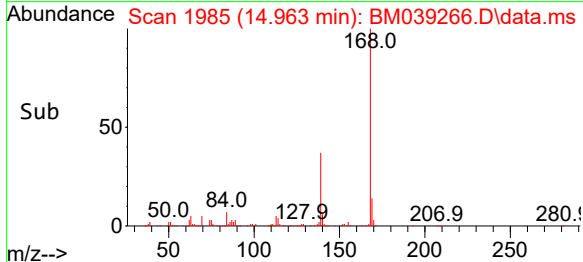
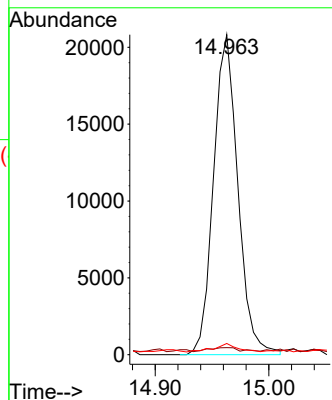
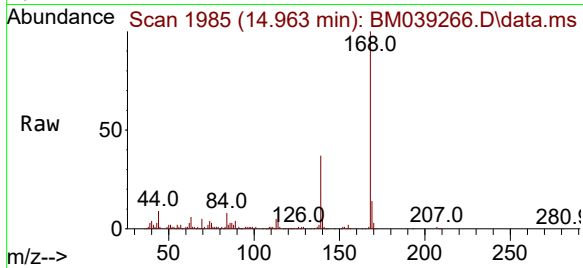




#56
4-Nitrophenol
Concen: 4.514 ng
RT: 14.963 min Scan# 1957
Delta R.T. 0.176 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

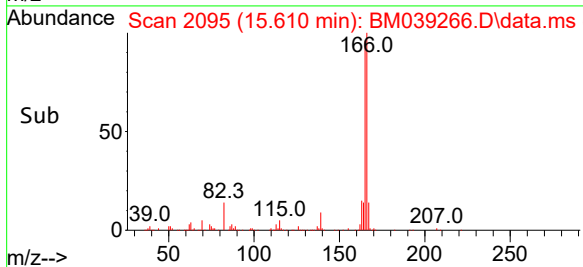
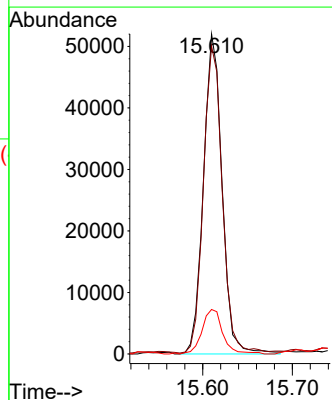
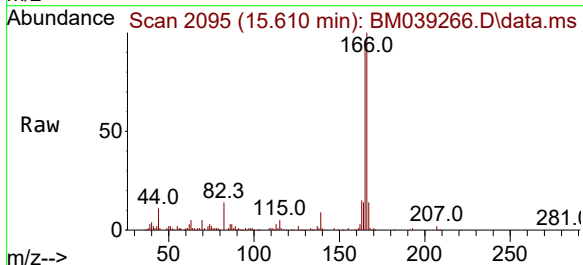
Instrument :
BNA_M
ClientSampleId :
SOILPILE-1-0323

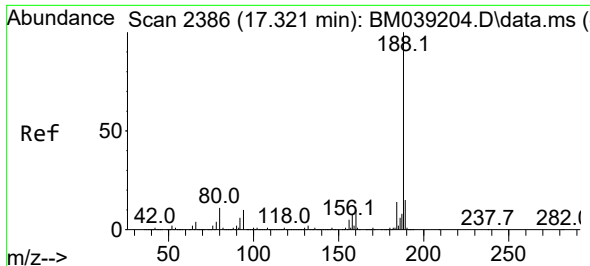
Tgt Ion:139 Resp: 31011
Ion Ratio Lower Upper
139 100
109 2.2 49.6 89.6#
65 3.5 72.9 112.9#



#58
Fluorene
Concen: 2.183 ng
RT: 15.610 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:166 Resp: 75107
Ion Ratio Lower Upper
166 100
165 96.3 76.9 115.3
167 13.9 10.8 16.2

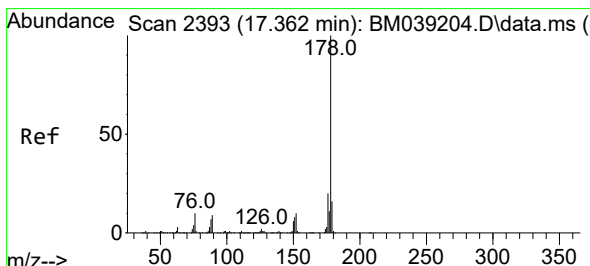
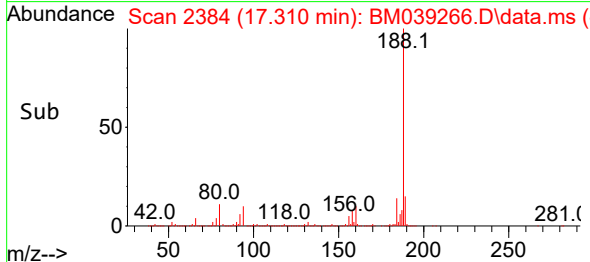
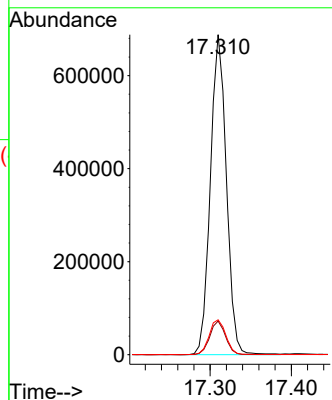
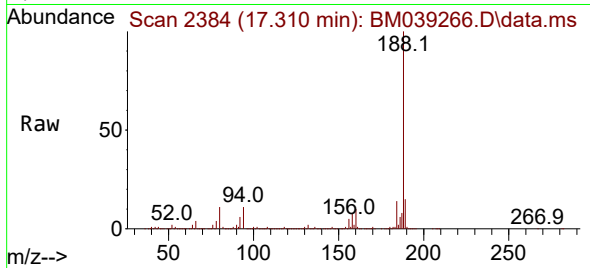




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

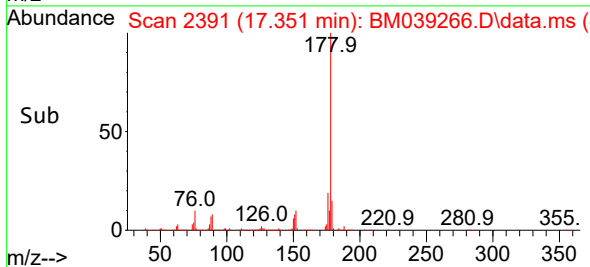
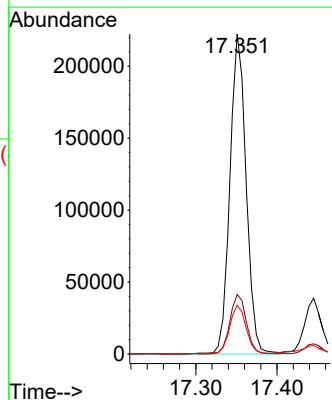
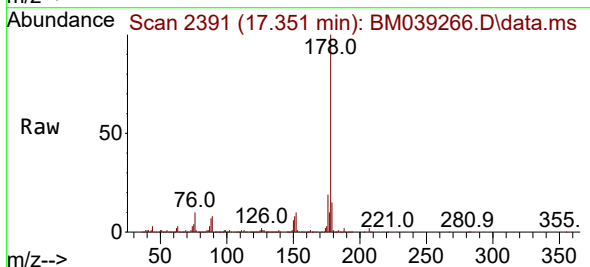
Instrument :
BNA_M
ClientSampleId :
SOILPILE-1-0323

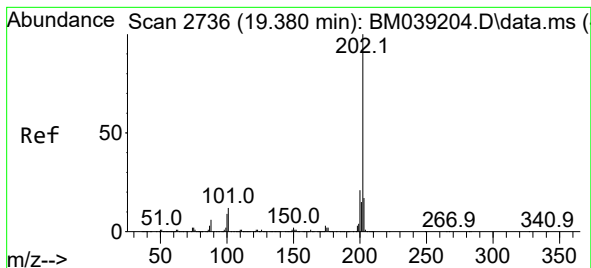
Tgt Ion:188 Resp: 940468
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.4
80 10.9 8.9 13.3



#71
Phenanthrene
Concen: 5.978 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BM039266.D
Acq: 31 Mar 2023 23:04

Tgt Ion:178 Resp: 307909
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.2 12.4 18.6





#75

Fluoranthene

Concen: 3.766 ng

RT: 19.368 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

Instrument :

BNA_M

ClientSampleId :

SOILPILE-1-0323

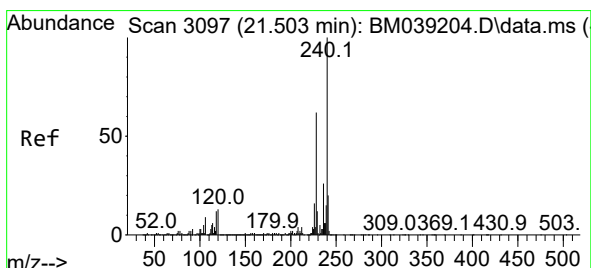
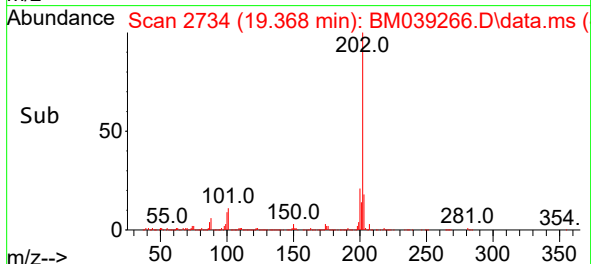
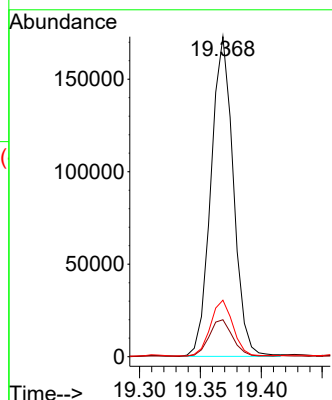
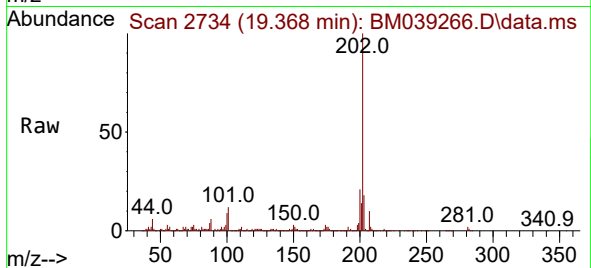
Tgt Ion:202 Resp: 221136

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.492 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

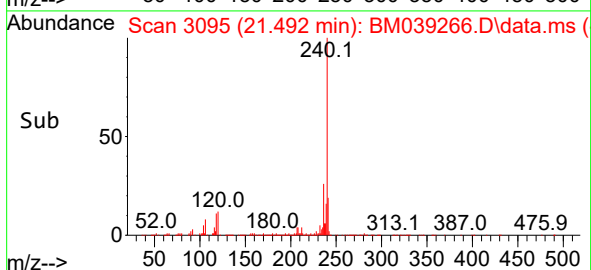
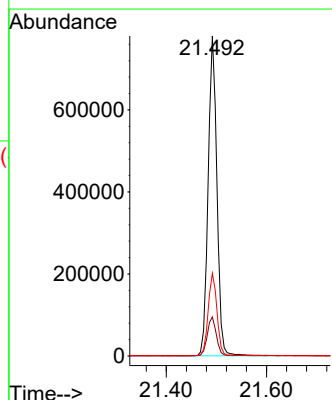
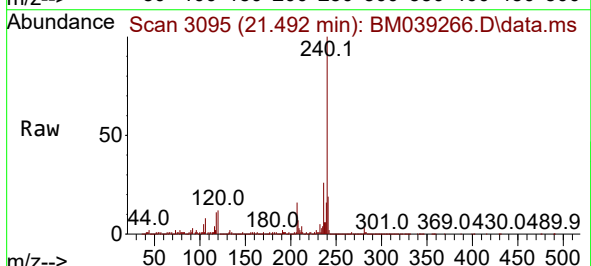
Tgt Ion:240 Resp: 951597

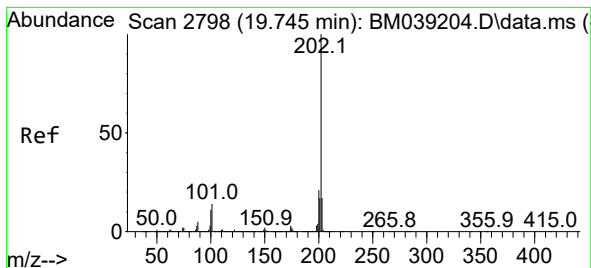
Ion Ratio Lower Upper

240 100

120 12.2 10.2 15.2

236 25.8 20.9 31.3





#78

Pyrene

Concen: 2.771 ng

RT: 19.727 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

Instrument :

BNA_M

ClientSampleId :

SOILPILE-1-0323

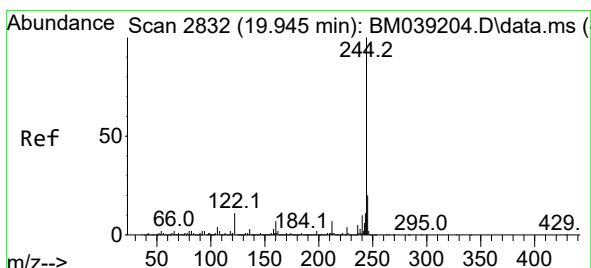
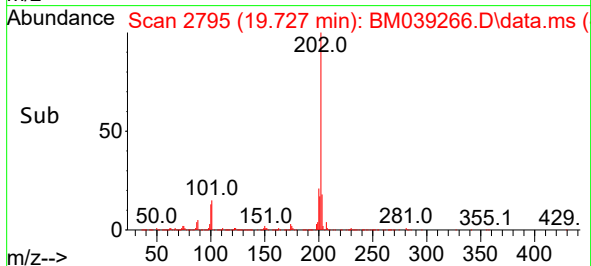
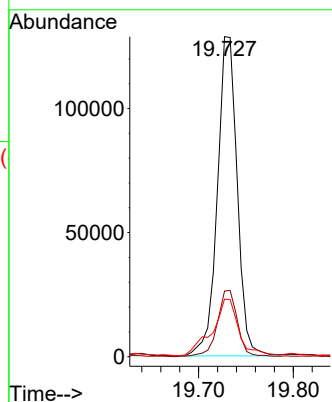
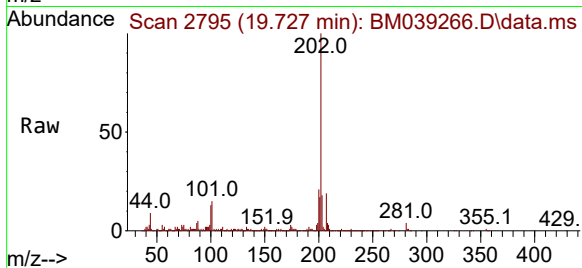
Tgt Ion:202 Resp: 187721

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 52.227 ng

RT: 19.933 min Scan# 2830

Delta R.T. -0.000 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

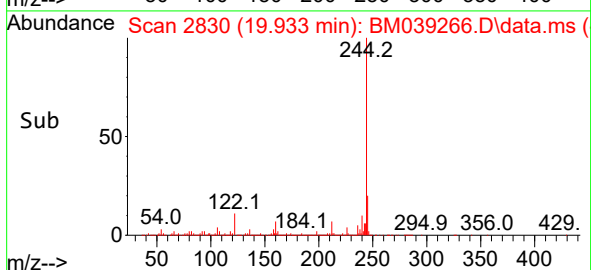
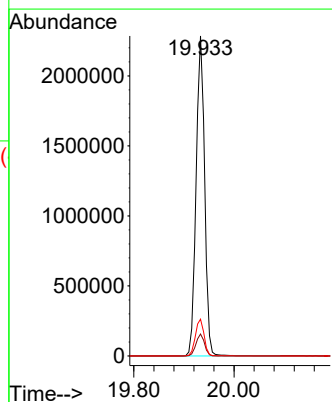
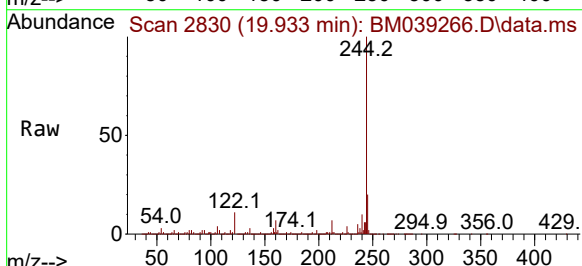
Tgt Ion:244 Resp: 2689974

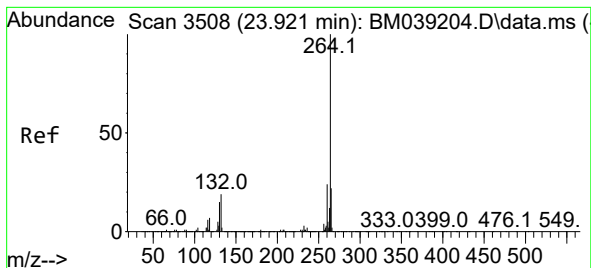
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.5 9.1 13.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.903 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039266.D

Acq: 31 Mar 2023 23:04

Instrument :

BNA_M

ClientSampleId :

SOILPILE-1-0323

Tgt Ion:264 Resp: 1104243

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 22.4 18.1 27.1

