

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044794.D
 Acq On : 28 Mar 2024 00:11
 Operator : MA/JU
 Sample : P1869-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-4

Quant Time: Mar 28 01:03:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

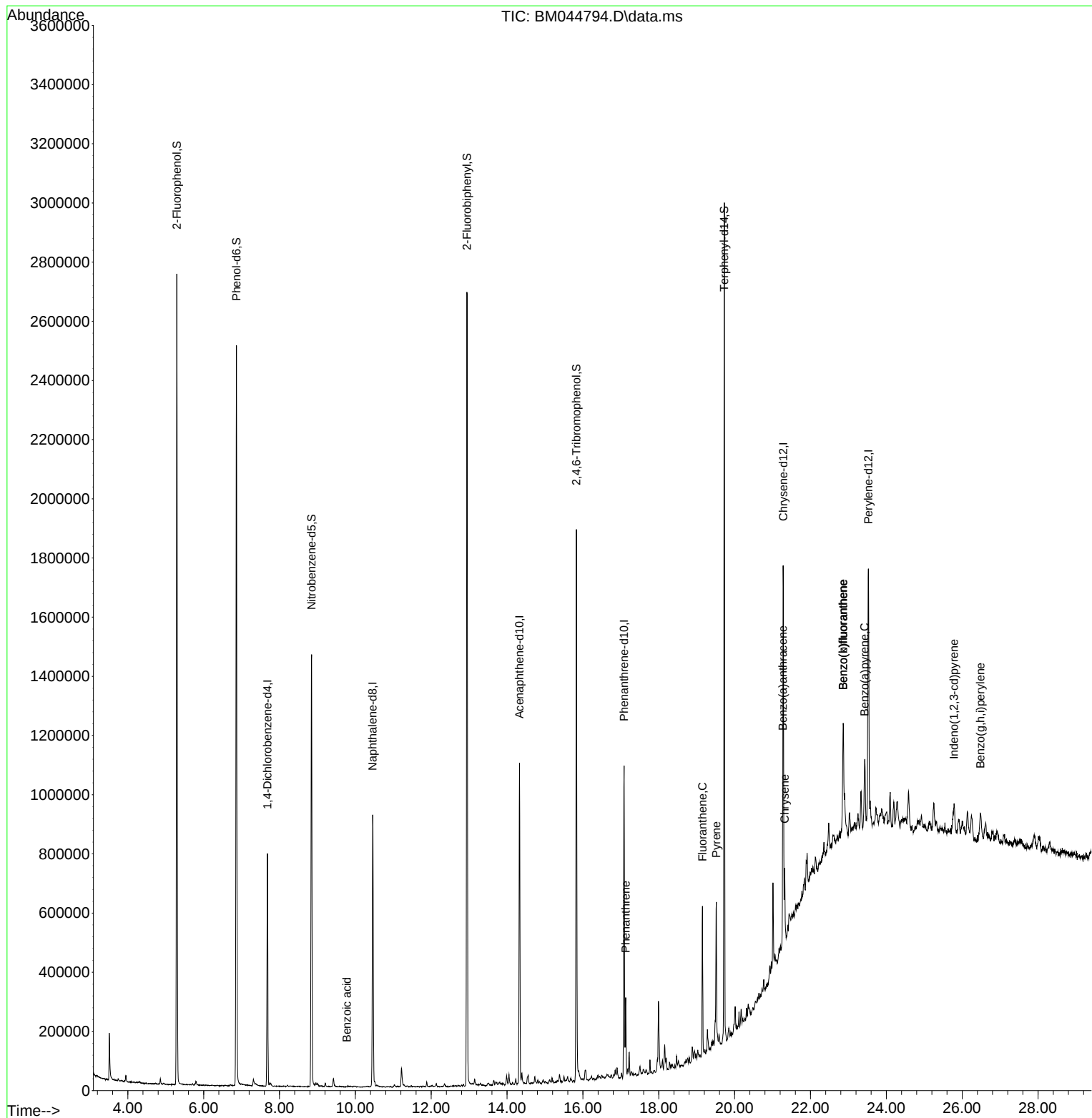
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	199777	20.000	ng	-0.02
21) Naphthalene-d8	10.457	136	749856	20.000	ng	-0.03
39) Acenaphthene-d10	14.327	164	376453	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	624755	20.000	ng	#-0.02
76) Chrysene-d12	21.280	240	527900	20.000	ng	-0.02
86) Perylene-d12	23.527	264	630115	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1072774	77.099	ng	-0.01
7) Phenol-d6	6.863	99	1333346	74.486	ng	-0.02
23) Nitrobenzene-d5	8.845	82	819421	52.645	ng	-0.02
42) 2,4,6-Tribromophenol	15.827	330	306422	73.799	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1376515	50.358	ng	-0.02
79) Terphenyl-d14	19.727	244	1298640	43.034	ng	-0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.775	122	55	3.625	ng	# 1
71) Phenanthrene	17.127	178	145349	4.210	ng	99
75) Fluoranthene	19.151	202	284661	7.376	ng	97
78) Pyrene	19.515	202	286879	7.415	ng	99
81) Benzo(a)anthracene	21.268	228	154767	4.213	ng	94
83) Chrysene	21.321	228	131449	3.745	ng	95
87) Indeno(1,2,3-cd)pyrene	25.785	276	95695	2.101	ng	96
88) Benzo(b)fluoranthene	22.856	252	190006	5.131	ng	# 88
89) Benzo(k)fluoranthene	22.856	252	190006	4.991	ng	# 87
90) Benzo(a)pyrene	23.427	252	140611	3.893	ng	# 93
92) Benzo(g,h,i)perylene	26.480	276	104481	2.764	ng	99

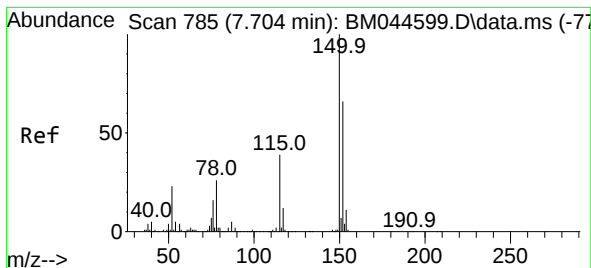
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
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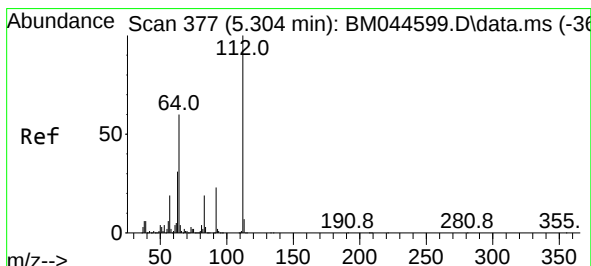
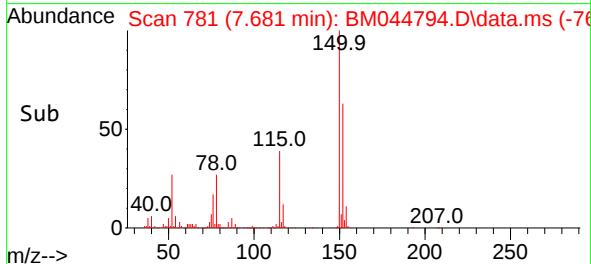
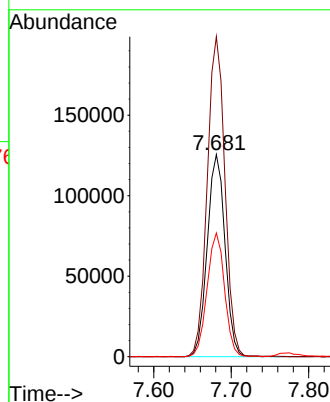
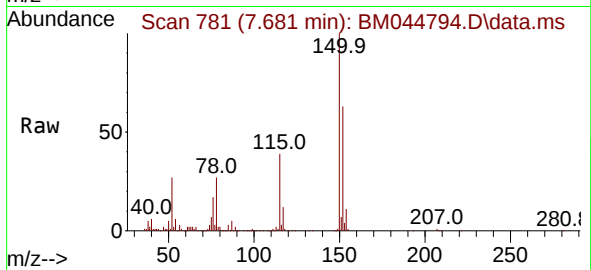




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

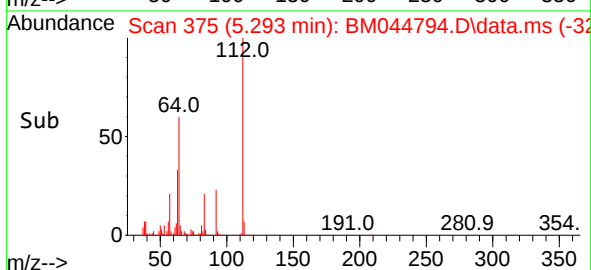
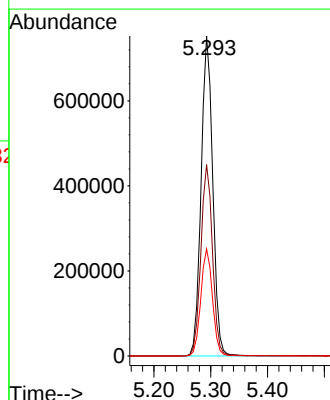
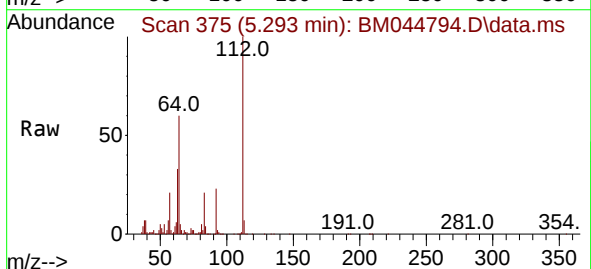
Instrument :
BNA_M
ClientSampleId :
SOIL-4

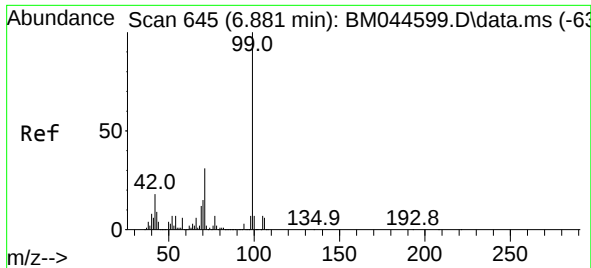
Tgt Ion:152 Resp: 199777
Ion Ratio Lower Upper
152 100
150 158.4 121.9 182.9
115 61.3 47.1 70.7



#5
2-Fluorophenol
Concen: 77.099 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.012 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

Tgt Ion:112 Resp: 1072774
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 33.4 25.0 37.4

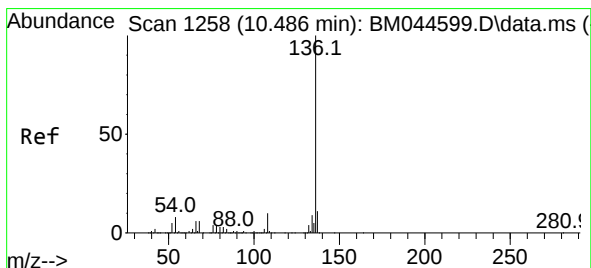
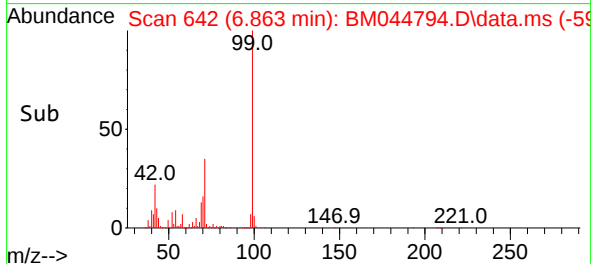
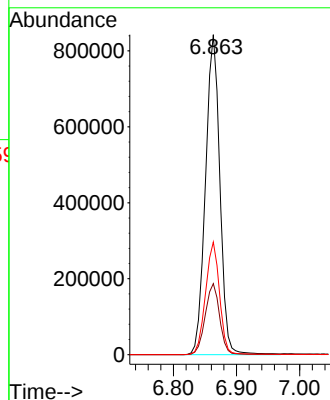
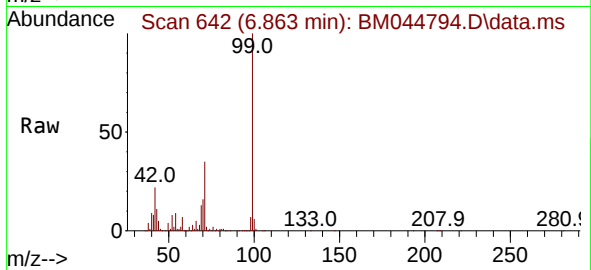




#7
Phenol-d6
Concen: 74.486 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.018 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

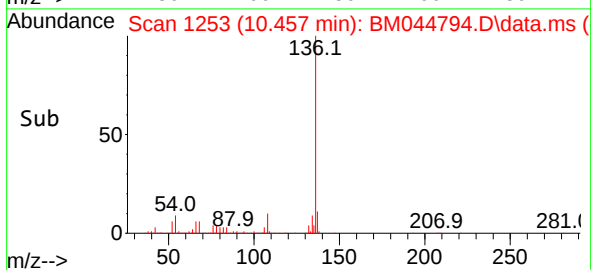
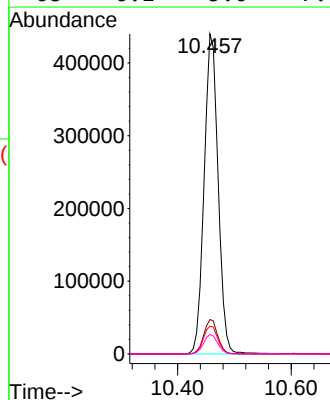
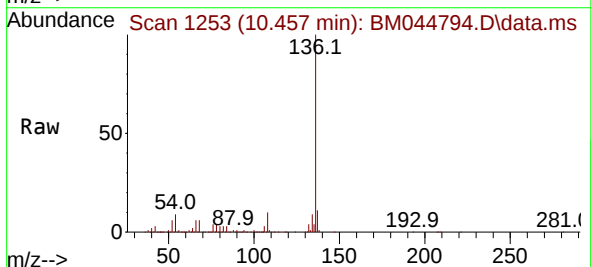
Instrument :
BNA_M
ClientSampleId :
SOIL-4

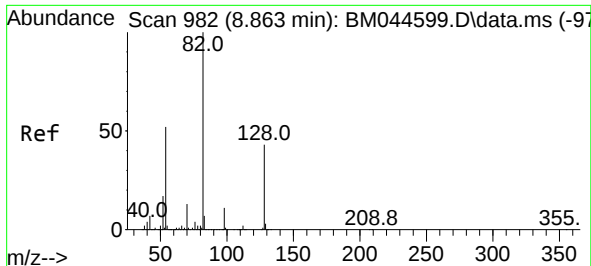
Tgt Ion: 99 Resp: 1333346
Ion Ratio Lower Upper
99 100
42 22.2 14.3 21.5#
71 35.2 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.457 min Scan# 1253
Delta R.T. -0.029 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

Tgt Ion: 136 Resp: 749856
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.7 6.6 10.0
68 6.1 5.0 7.4

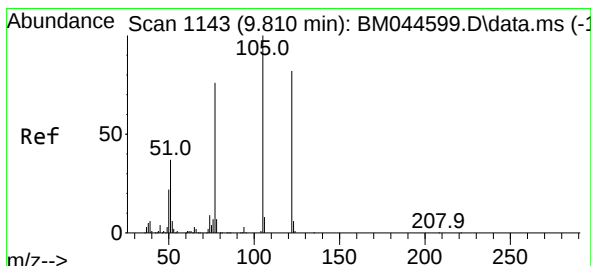
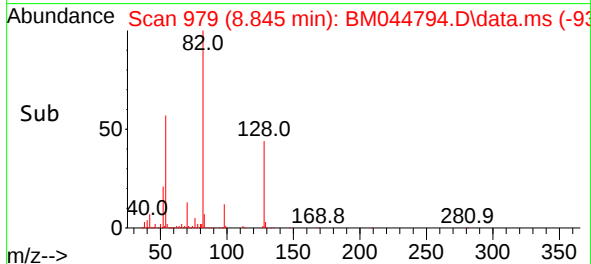
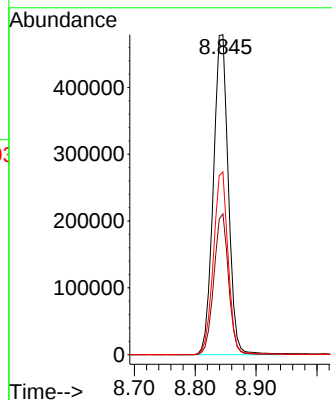
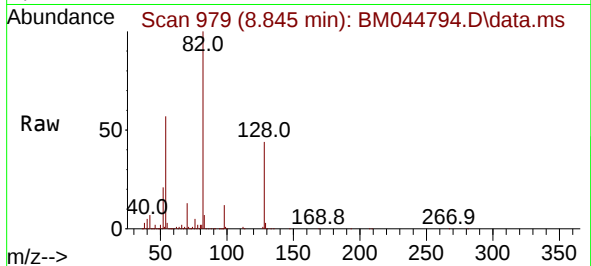




#23
Nitrobenzene-d5
Concen: 52.645 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

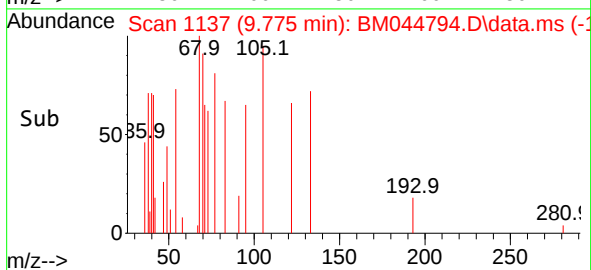
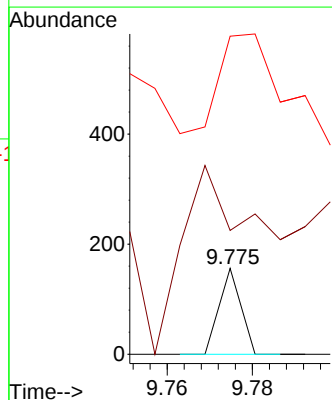
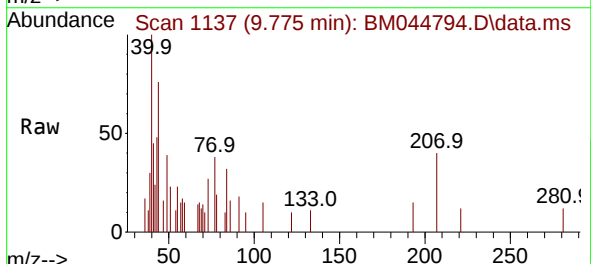
Instrument :
BNA_M
ClientSampleId :
SOIL-4

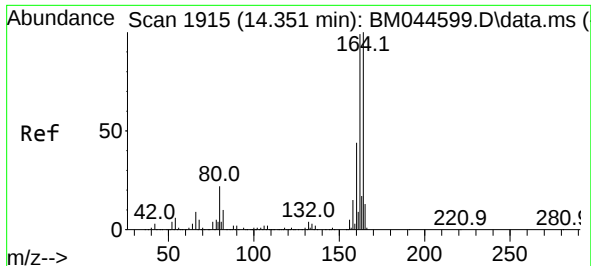
Tgt Ion: 82 Resp: 819421
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 57.1 41.3 61.9



#32
Benzoic acid
Concen: 3.625 ng
RT: 9.775 min Scan# 1137
Delta R.T. -0.035 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 144.2 100.0 140.0#
77 370.5 72.5 112.5#

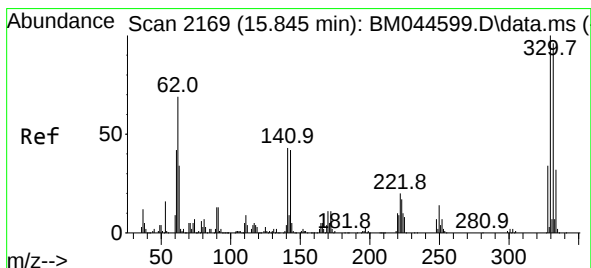
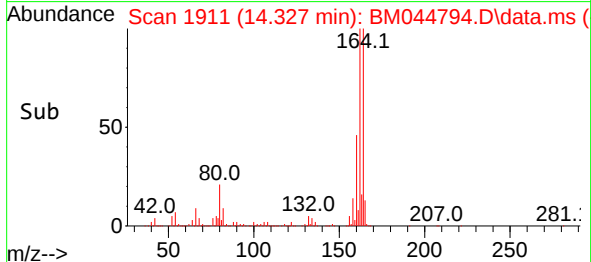
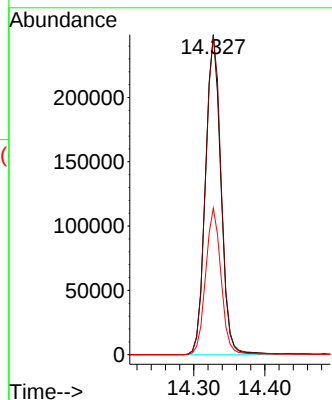
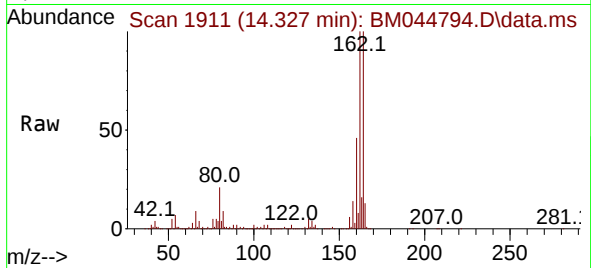




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.327 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

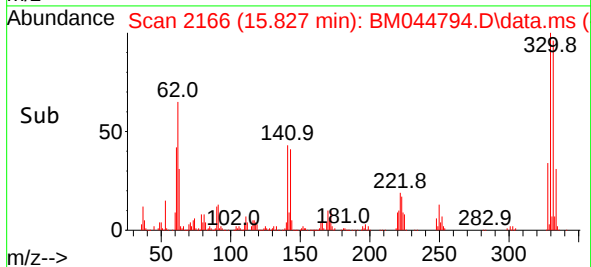
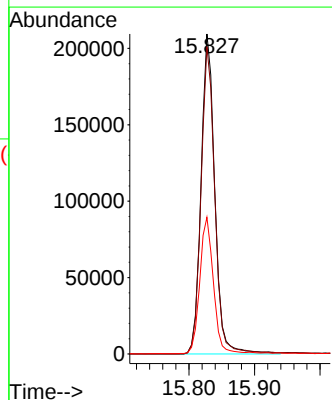
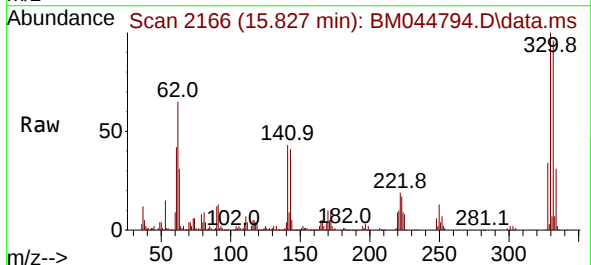
Instrument :
BNA_M
ClientSampleId :
SOIL-4

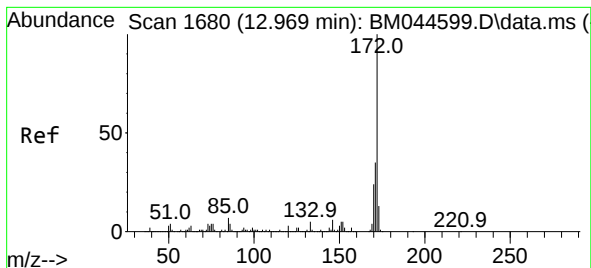
Tgt Ion:164 Resp: 376453
Ion Ratio Lower Upper
164 100
162 99.7 79.3 118.9
160 45.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 73.799 ng
RT: 15.827 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

Tgt Ion:330 Resp: 306422
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 42.3 33.4 50.0





#45

2-Fluorobiphenyl

Concen: 50.358 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4

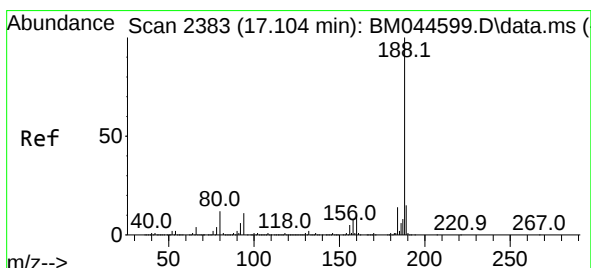
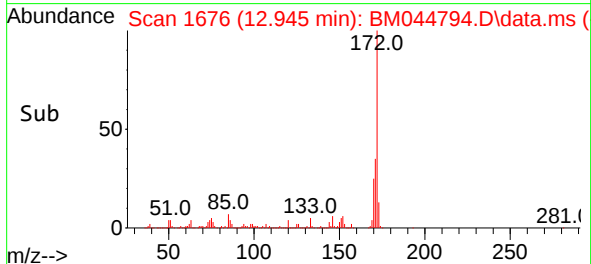
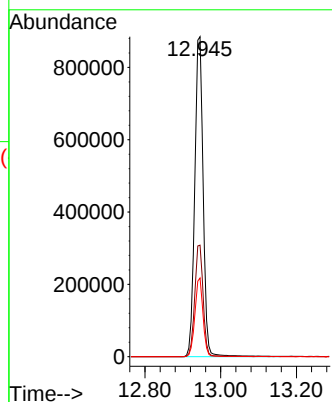
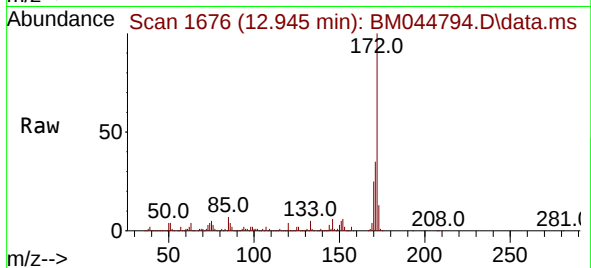
Tgt Ion:172 Resp: 1376515

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 24.6 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 2380

Delta R.T. -0.017 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

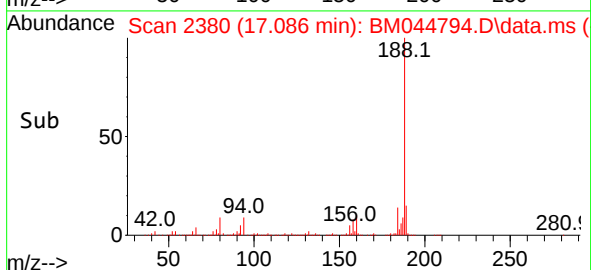
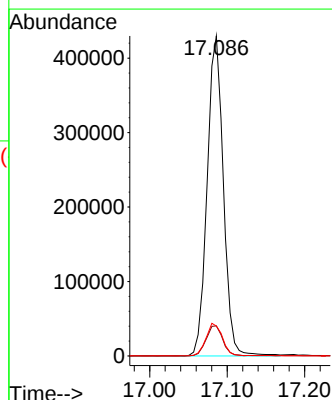
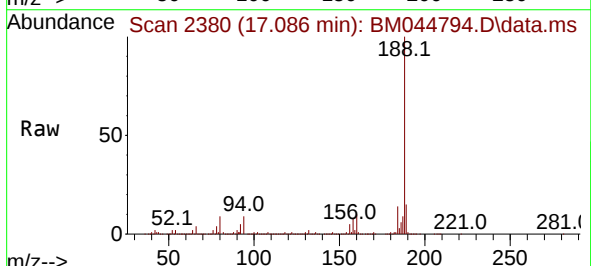
Tgt Ion:188 Resp: 624755

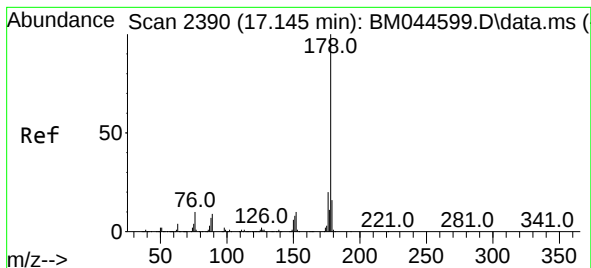
Ion Ratio Lower Upper

188 100

94 9.4 8.4 12.6

80 9.3 9.4 14.0#





#71

Phenanthrene

Concen: 4.210 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4

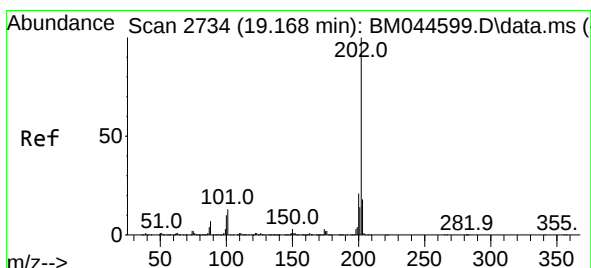
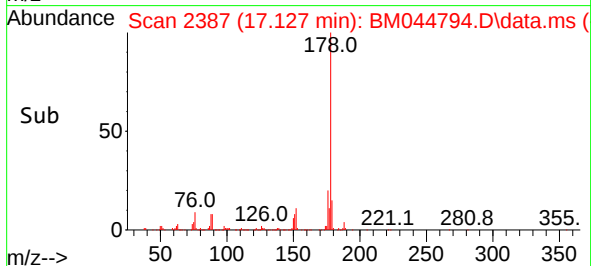
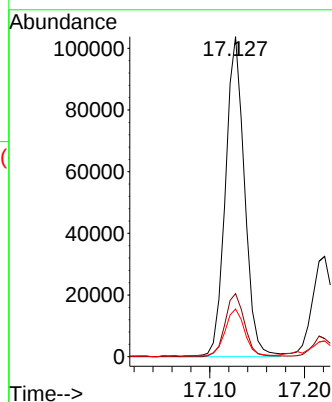
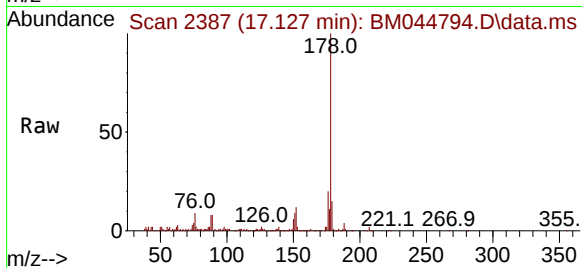
Tgt Ion:178 Resp: 145349

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 14.9 12.4 18.6



#75

Fluoranthene

Concen: 7.376 ng

RT: 19.151 min Scan# 2731

Delta R.T. -0.017 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

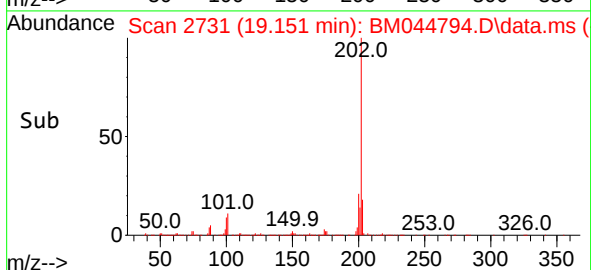
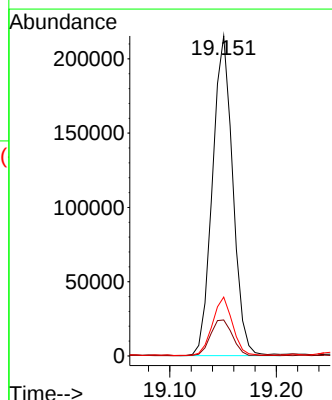
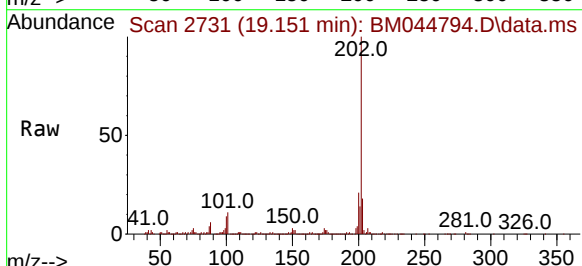
Tgt Ion:202 Resp: 284661

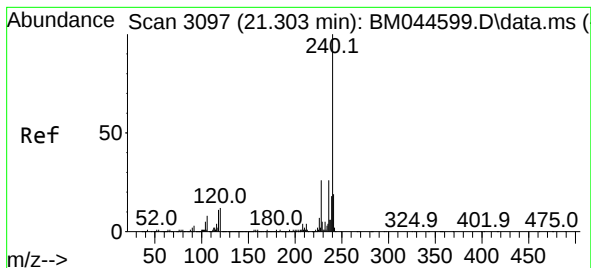
Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.3

203 18.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.280 min Scan# 3097

Delta R.T. -0.023 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4

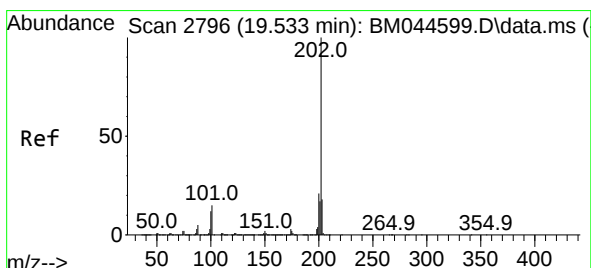
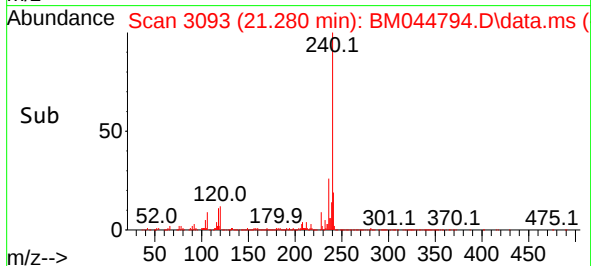
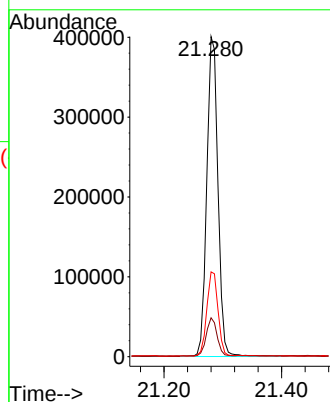
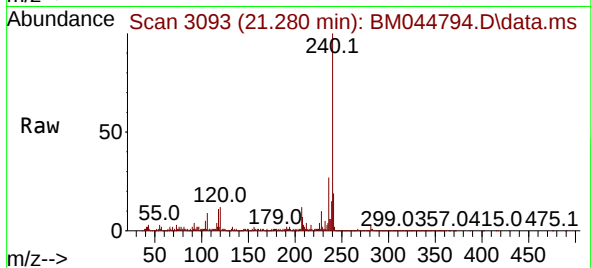
Tgt Ion:240 Resp: 527900

Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

236 26.5 21.0 31.4



#78

Pyrene

Concen: 7.415 ng

RT: 19.515 min Scan# 2793

Delta R.T. -0.018 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

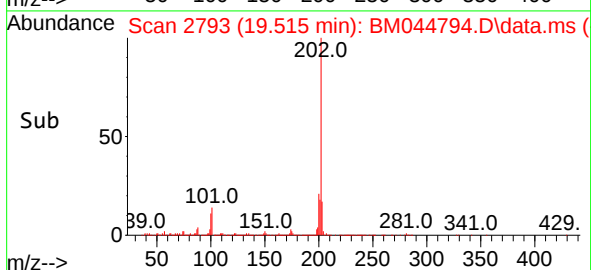
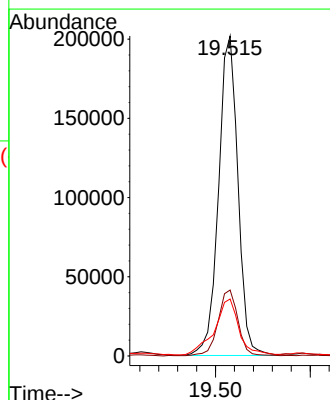
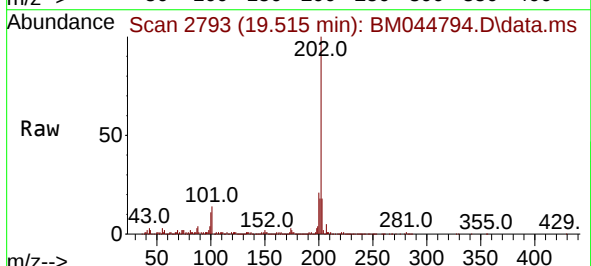
Tgt Ion:202 Resp: 286879

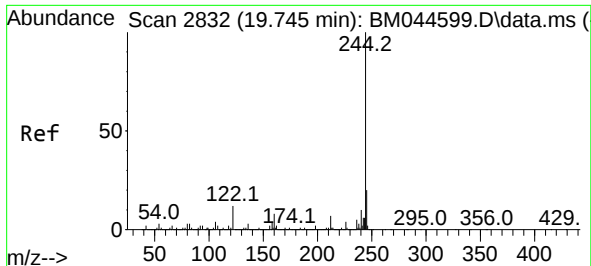
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.8 14.1 21.1

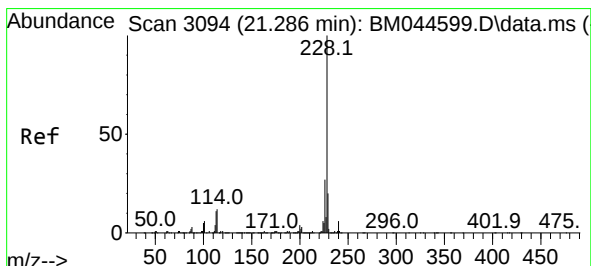
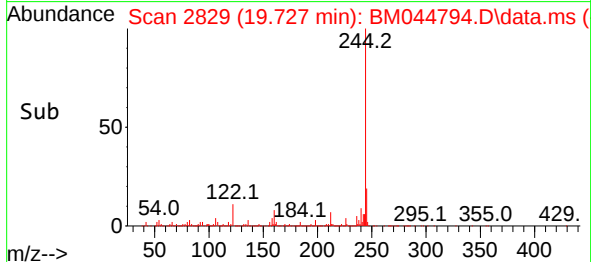
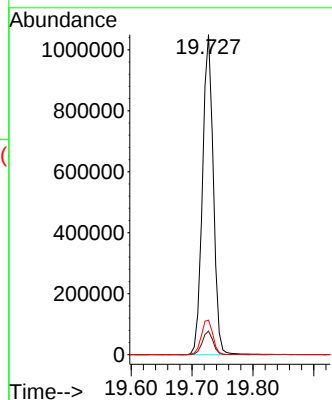
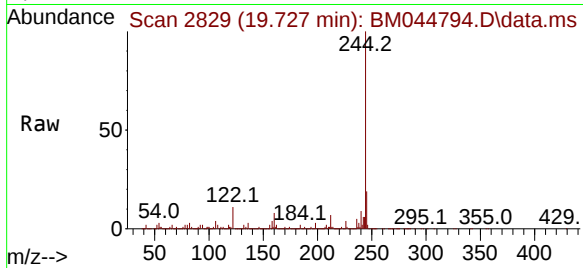




#79
 Terphenyl-d14
 Concen: 43.034 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM044794.D
 Acq: 28 Mar 2024 00:11

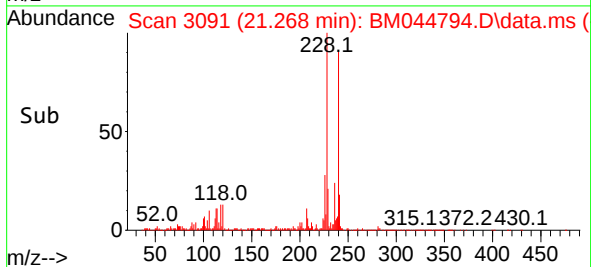
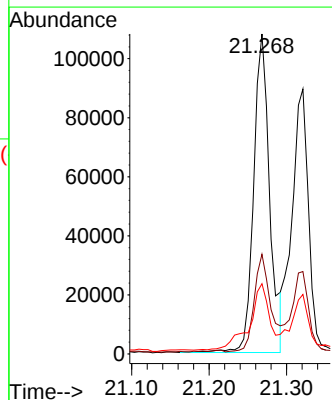
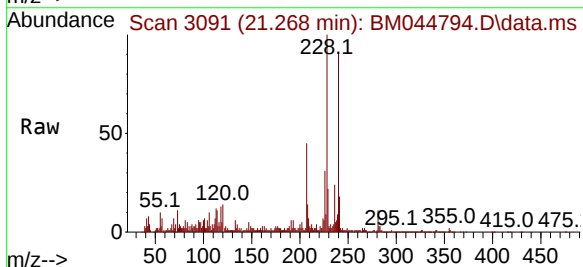
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-4

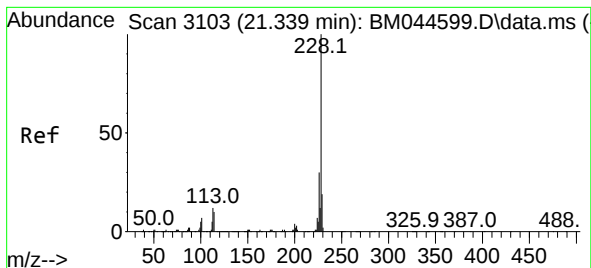
Tgt Ion:244 Resp: 1298640
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 10.8 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.213 ng
 RT: 21.268 min Scan# 3091
 Delta R.T. -0.017 min
 Lab File: BM044794.D
 Acq: 28 Mar 2024 00:11

Tgt Ion:228 Resp: 154767
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.9 32.9
 229 22.0 15.9 23.9





#83

Chrysene

Concen: 3.745 ng

RT: 21.321 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4

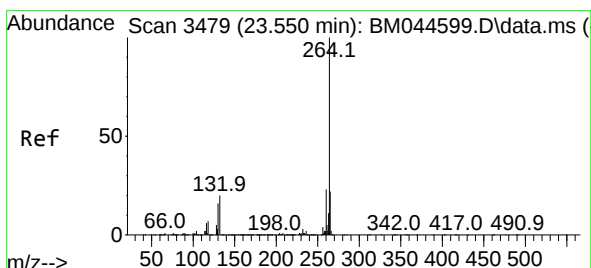
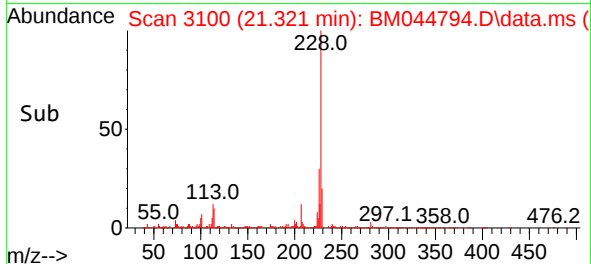
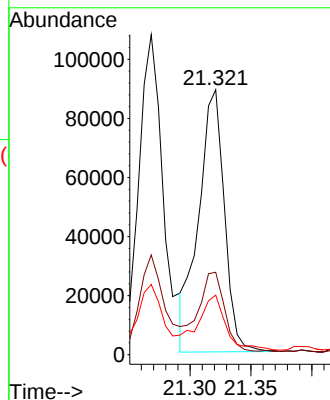
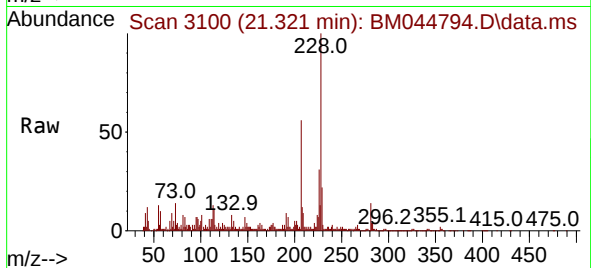
Tgt Ion:228 Resp: 131449

Ion Ratio Lower Upper

228 100

226 31.1 23.6 35.4

229 22.5 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.527 min Scan# 3475

Delta R.T. -0.023 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

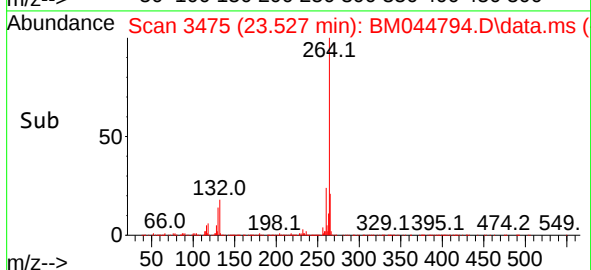
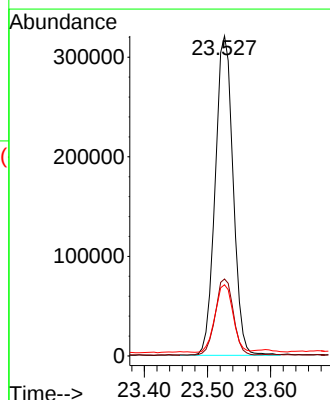
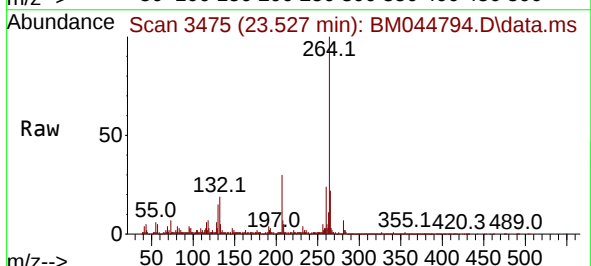
Tgt Ion:264 Resp: 630115

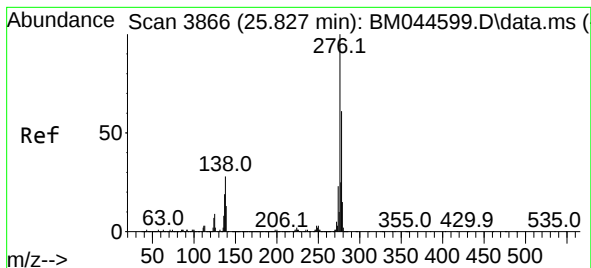
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 22.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.101 ng

RT: 25.785 min Scan# 3866

Delta R.T. -0.041 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4

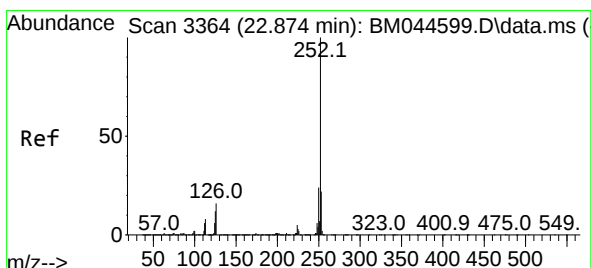
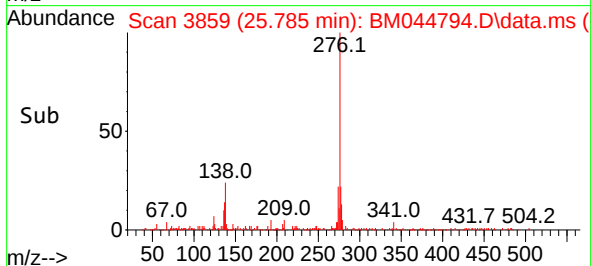
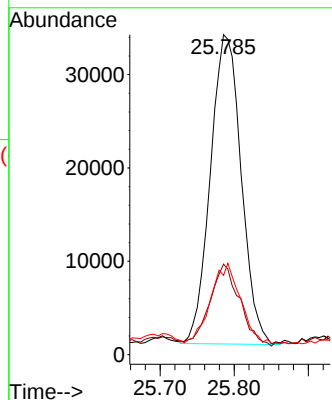
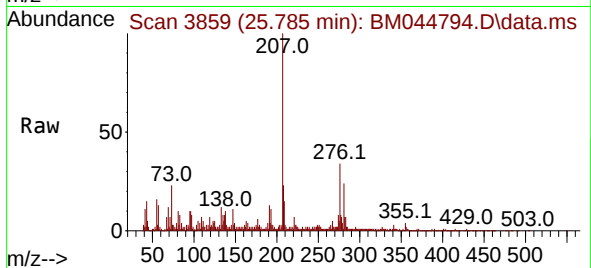
Tgt Ion:276 Resp: 95695

Ion Ratio Lower Upper

276 100

138 25.8 23.6 35.4

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.131 ng

RT: 22.856 min Scan# 3361

Delta R.T. -0.018 min

Lab File: BM044794.D

Acq: 28 Mar 2024 00:11

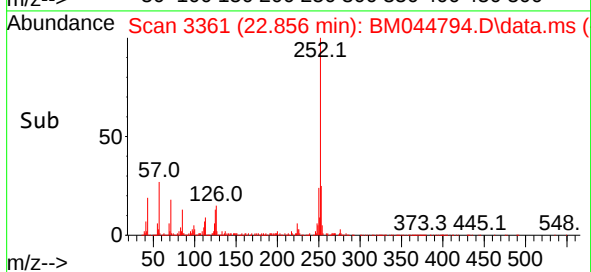
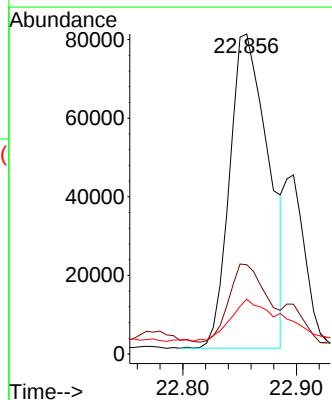
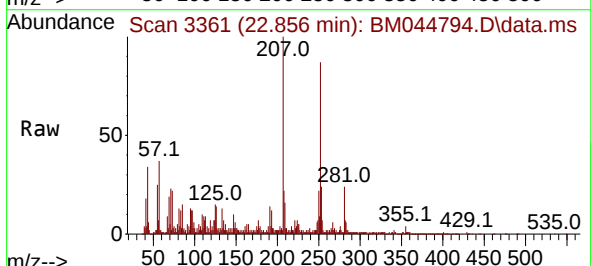
Tgt Ion:252 Resp: 190006

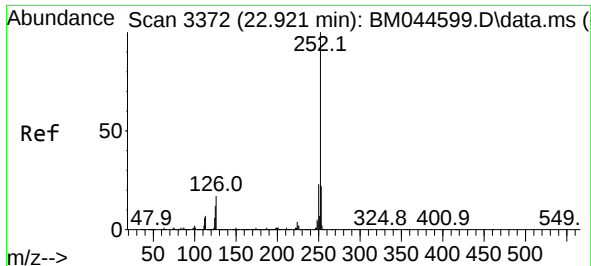
Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

125 17.1 9.6 14.4#

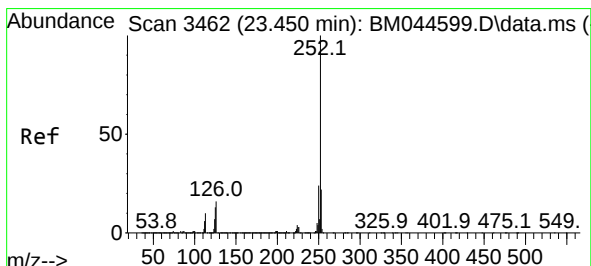
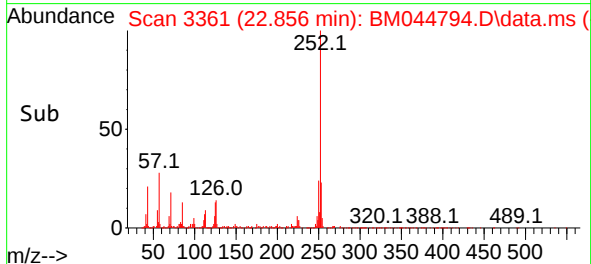
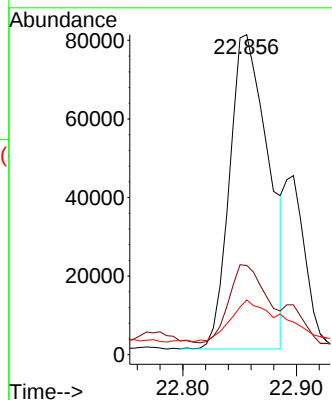
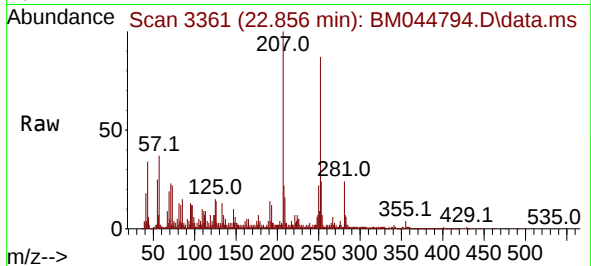




#89
Benzo(k)fluoranthene
Concen: 4.991 ng
RT: 22.856 min Scan# 31
Delta R.T. -0.065 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

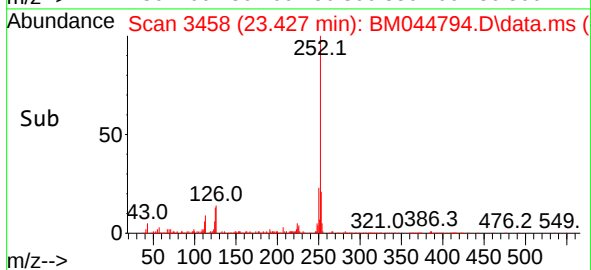
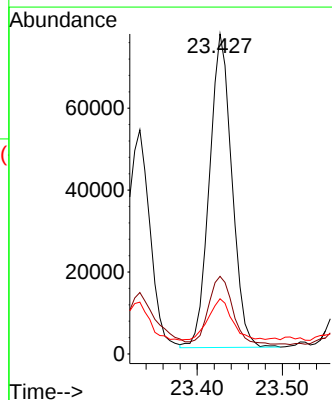
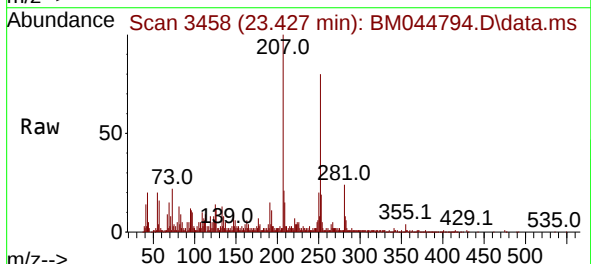
Instrument :
BNA_M
ClientSampleId :
SOIL-4

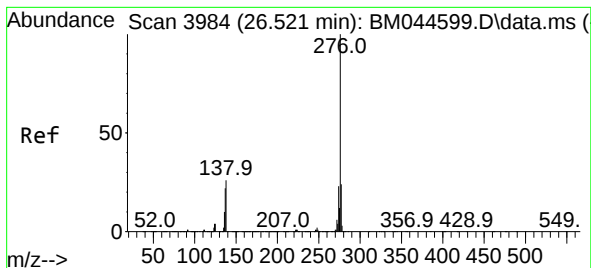
Tgt Ion:252 Resp: 190006
Ion Ratio Lower Upper
252 100
253 27.9 17.6 26.4#
125 17.1 9.4 14.0#



#90
Benzo(a)pyrene
Concen: 3.893 ng
RT: 23.427 min Scan# 3458
Delta R.T. -0.023 min
Lab File: BM044794.D
Acq: 28 Mar 2024 00:11

Tgt Ion:252 Resp: 140611
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 17.3 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 2.764 ng

RT: 26.480 min Scan# 3984

Delta R.T. -0.041 min

Lab File: BM044794.D

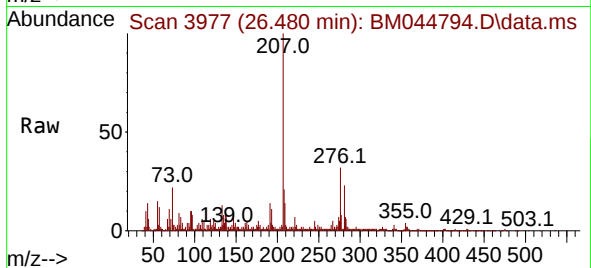
Acq: 28 Mar 2024 00:11

Instrument :

BNA_M

ClientSampleId :

SOIL-4



Tgt Ion:276 Resp: 104481

Ion Ratio Lower Upper

276 100

277 23.6 19.3 28.9

138 25.2 20.7 31.1

