

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080923\
 Data File : BM041352.D
 Acq On : 09 Aug 2023 22:53
 Operator : MA/JU
 Sample : 03931-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAYTON-SOIL2

Quant Time: Aug 10 03:29:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 12:20:12 2023
 Response via : Initial Calibration

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

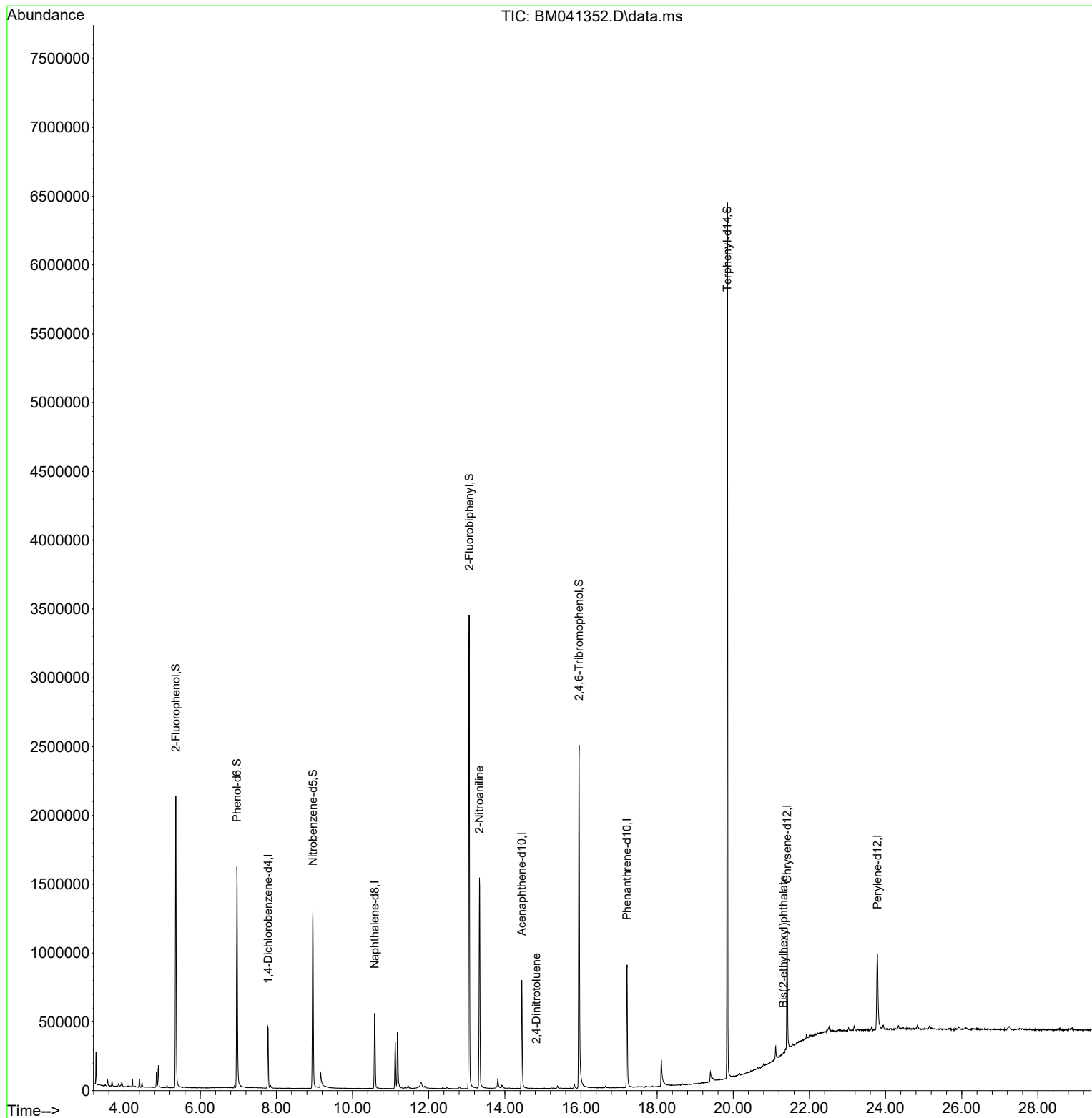
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	116404	20.000	ng	0.00
21) Naphthalene-d8	10.580	136	448195	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	273374	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	586915	20.000	ng	0.00
76) Chrysene-d12	21.415	240	493118	20.000	ng	0.00
86) Perylene-d12	23.785	264	539350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	854709	109.742	ng	0.00
7) Phenol-d6	6.963	99	946334	93.737	ng	0.00
23) Nitrobenzene-d5	8.957	82	765701	79.449	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	517967	133.955	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	1708955	78.970	ng	0.00
79) Terphenyl-d14	19.845	244	2812737	103.131	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.333	65	31298	5.925	ng	# 14
57) 2,4-Dinitrotoluene	14.827	165	58	2.679	ng	# 12
84) Bis(2-ethylhexyl)phtha...	21.321	149	2960	2.679	ng	# 90

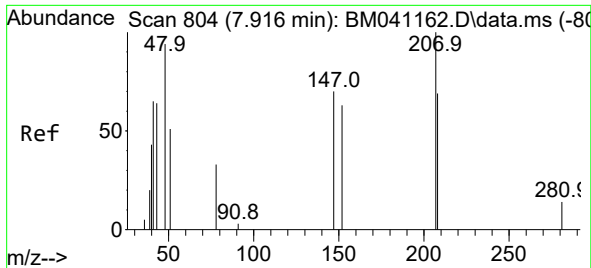
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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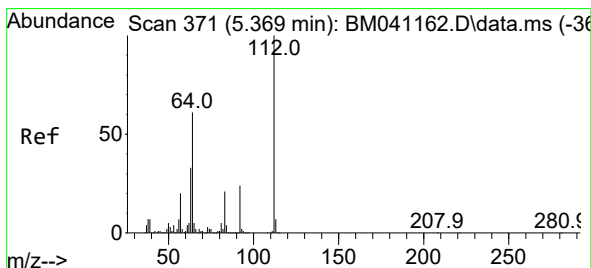
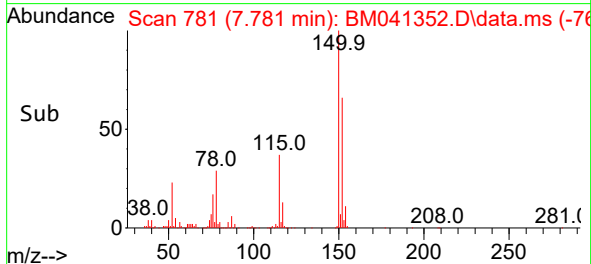
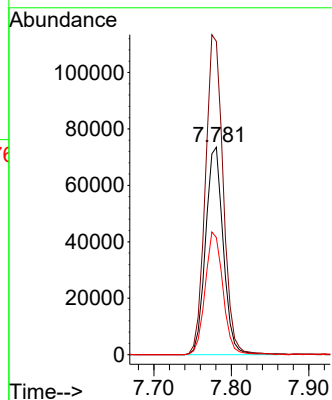
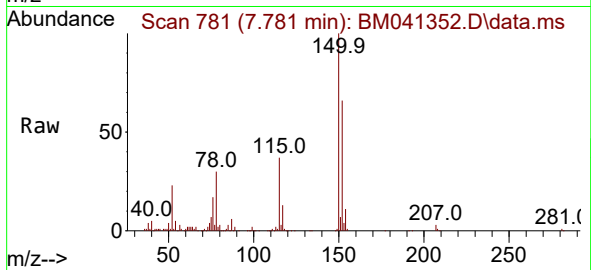




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.781 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: BM041352.D
 Acq: 09 Aug 2023 22:53

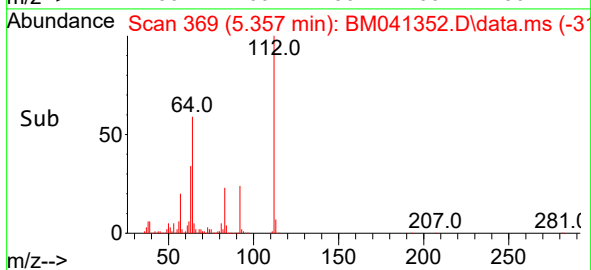
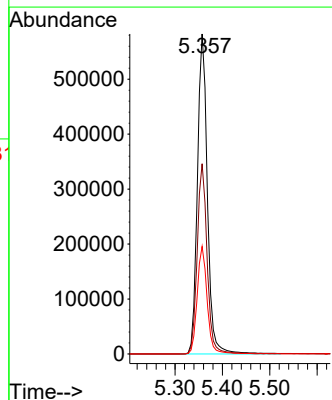
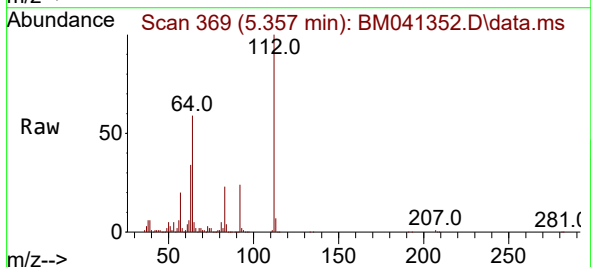
Instrument :
 BNA_M
 ClientSampleId :
 DAYTON-SOIL2

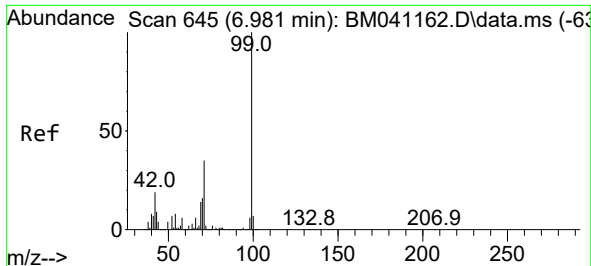
Tgt Ion:152 Resp: 116404
 Ion Ratio Lower Upper
 152 100
 150 151.0 125.5 188.3
 115 56.5 48.0 72.0



#5
 2-Fluorophenol
 Concen: 109.742 ng
 RT: 5.357 min Scan# 369
 Delta R.T. -0.000 min
 Lab File: BM041352.D
 Acq: 09 Aug 2023 22:53

Tgt Ion:112 Resp: 854709
 Ion Ratio Lower Upper
 112 100
 64 59.4 48.5 72.7
 63 33.6 26.5 39.7

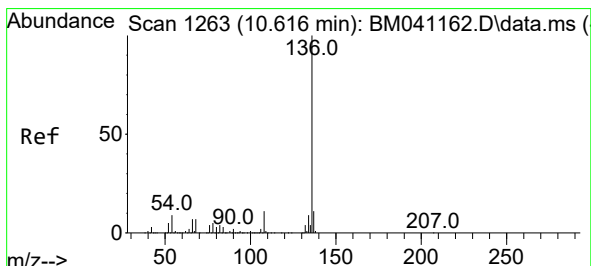
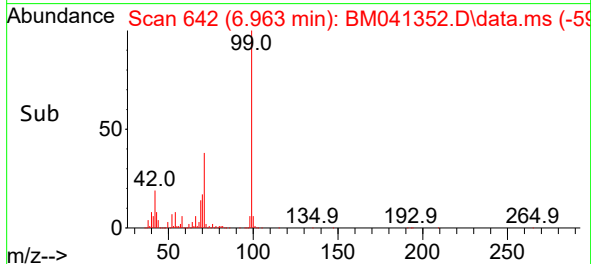
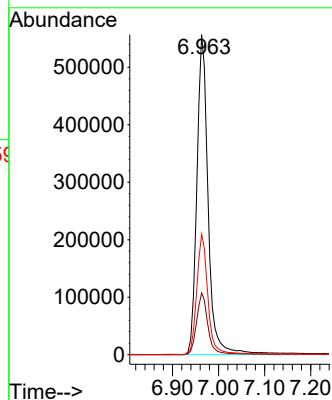
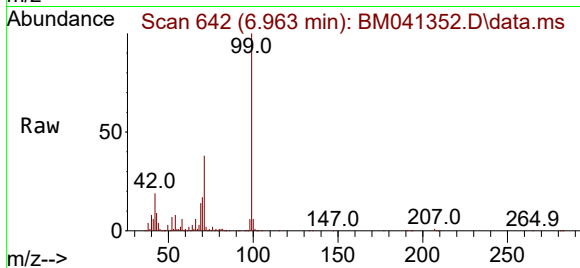




#7
Phenol-d6
Concen: 93.737 ng
RT: 6.963 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

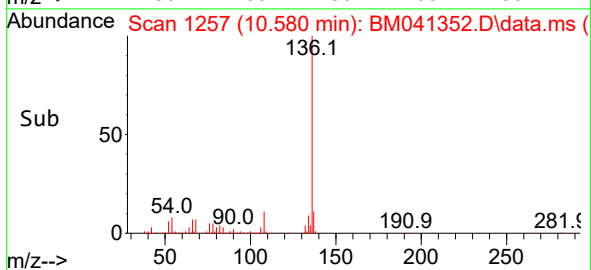
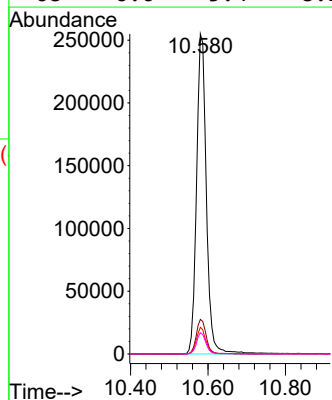
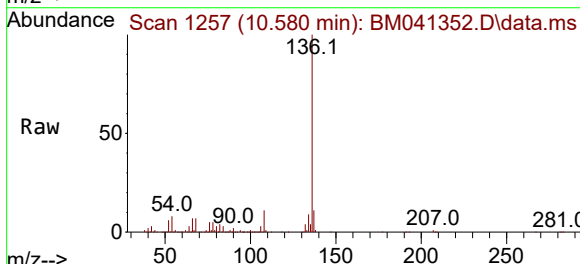
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL2

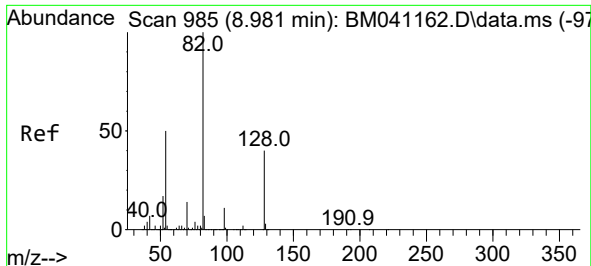
Tgt Ion: 99 Resp: 946334
Ion Ratio Lower Upper
99 100
42 19.3 15.4 23.0
71 37.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Tgt Ion: 136 Resp: 448195
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.3 6.9 10.3
68 6.6 5.4 8.2

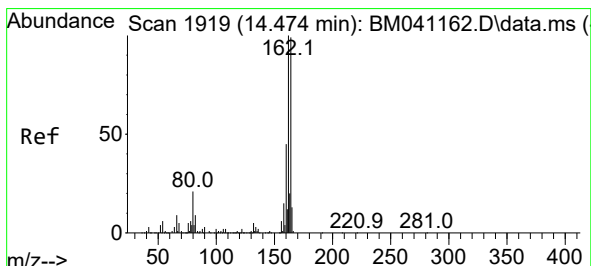
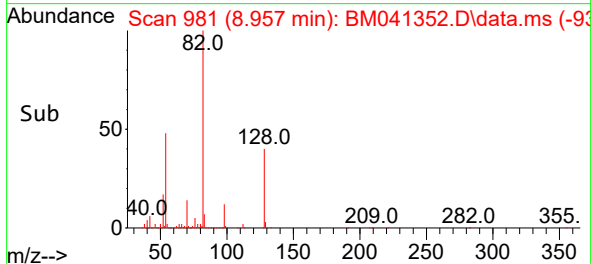
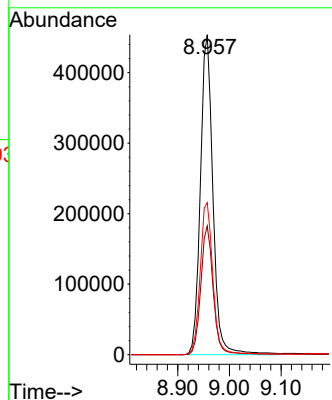
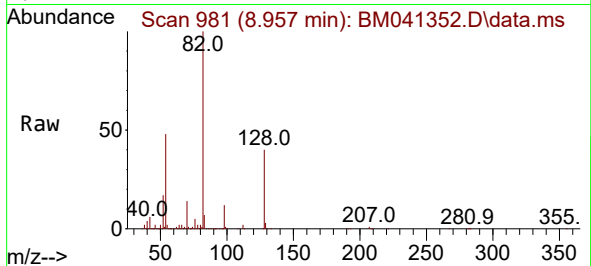




#23
Nitrobenzene-d5
Concen: 79.449 ng
RT: 8.957 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

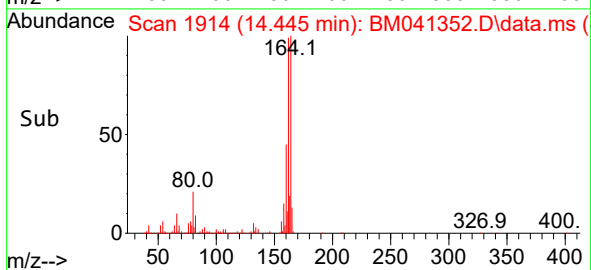
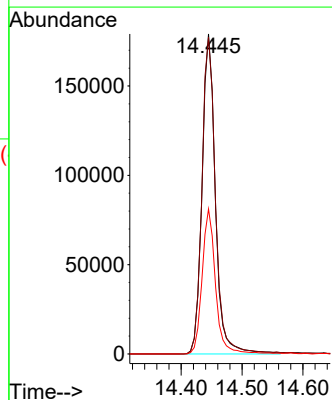
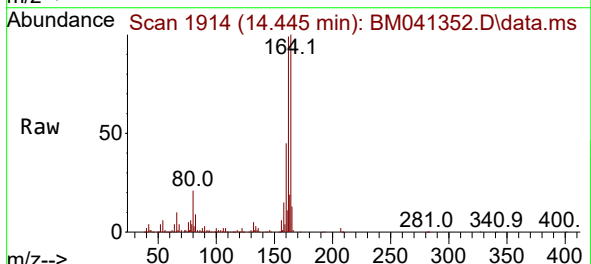
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL2

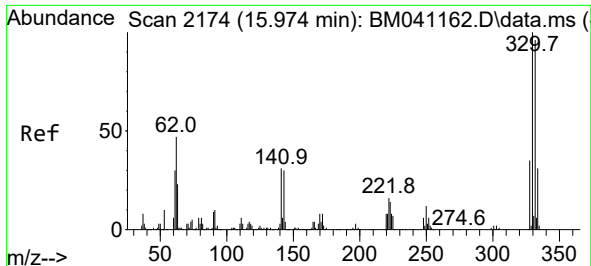
Tgt Ion: 82 Resp: 765701
Ion Ratio Lower Upper
82 100
128 40.2 31.8 47.6
54 47.5 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Tgt Ion: 164 Resp: 273374
Ion Ratio Lower Upper
164 100
162 99.0 80.4 120.6
160 45.3 36.2 54.2

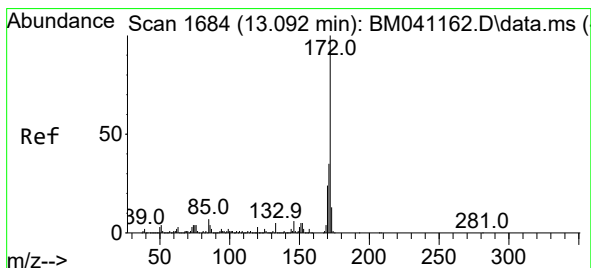
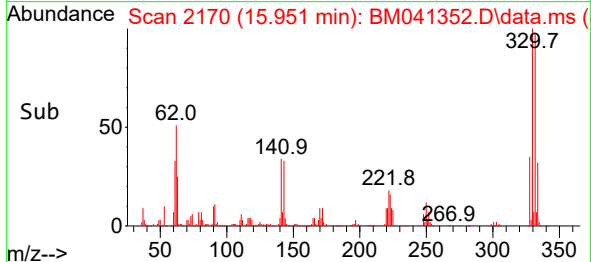
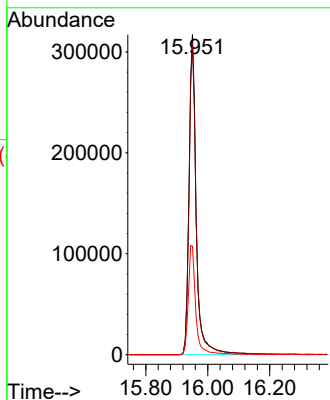
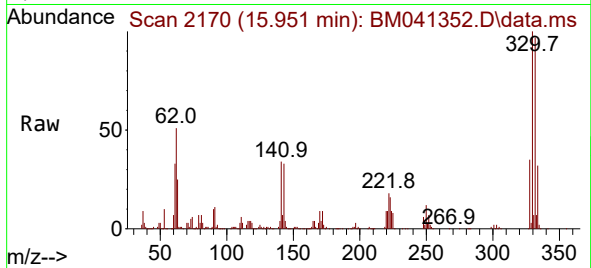




#42
2,4,6-Tribromophenol
Concen: 133.955 ng
RT: 15.951 min Scan# 2170
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

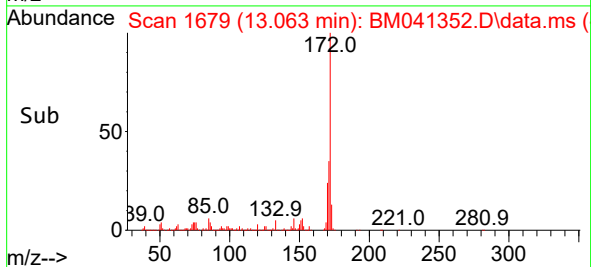
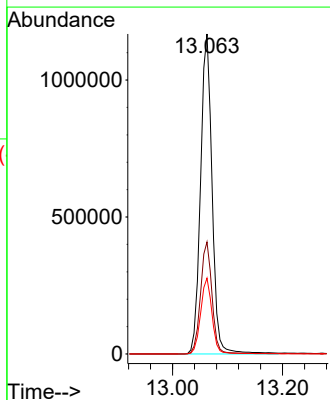
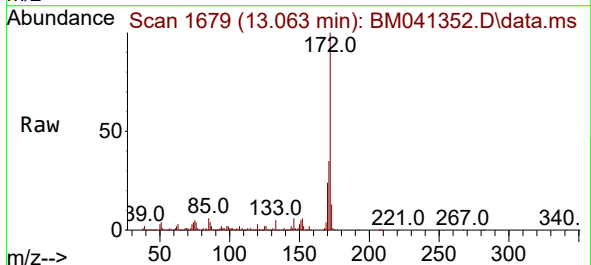
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL2

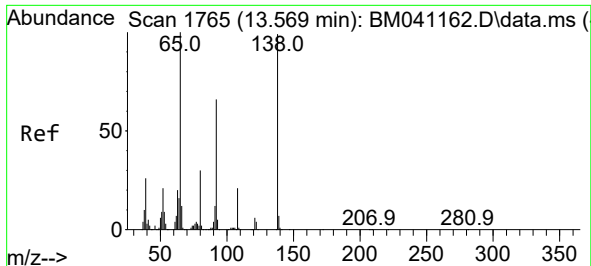
Tgt Ion:330 Resp: 517967
Ion Ratio Lower Upper
330 100
332 96.1 77.7 116.5
141 35.0 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 78.970 ng
RT: 13.063 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Tgt Ion:172 Resp: 1708955
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.7 18.9 28.3

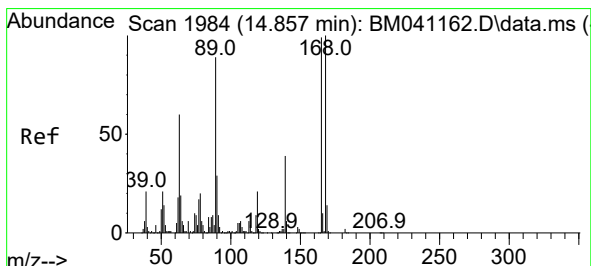
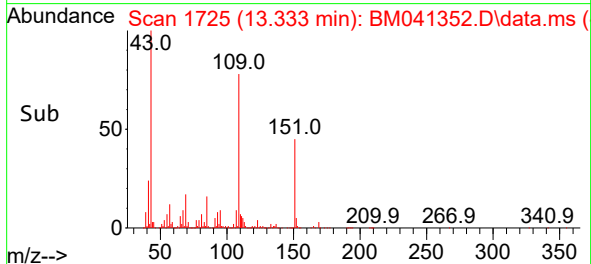
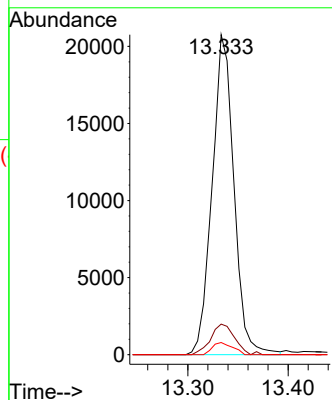
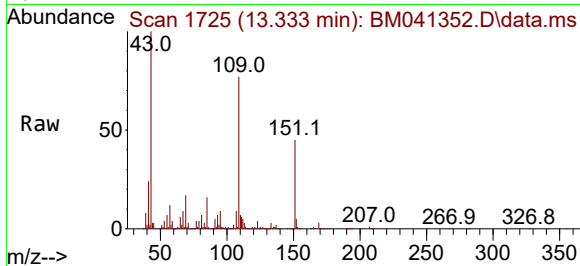




#48
2-Nitroaniline
Concen: 5.925 ng
RT: 13.333 min Scan# 11
Delta R.T. -0.212 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

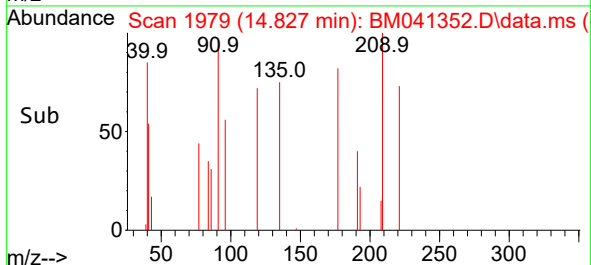
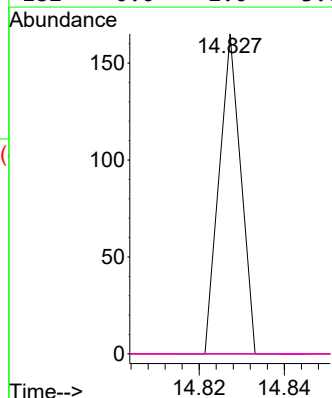
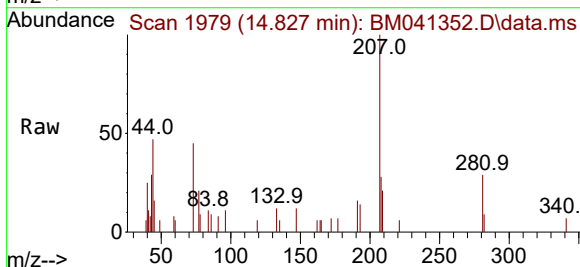
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL2

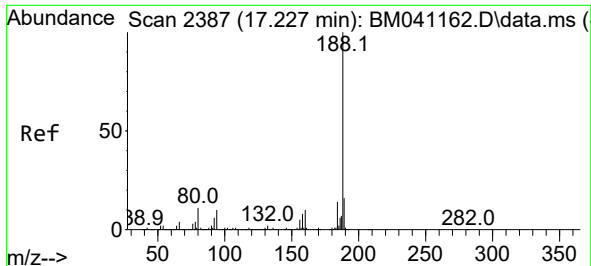
Tgt Ion: 65 Resp: 31298
Ion Ratio Lower Upper
65 100
92 9.6 53.0 79.4#
138 3.8 79.1 118.7#



#57
2,4-Dinitrotoluene
Concen: 2.679 ng
RT: 14.827 min Scan# 1979
Delta R.T. -0.018 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Tgt Ion:165 Resp: 58
Ion Ratio Lower Upper
165 100
63 0.0 48.3 72.5#
89 0.0 71.8 107.8#
182 0.0 2.0 3.0#

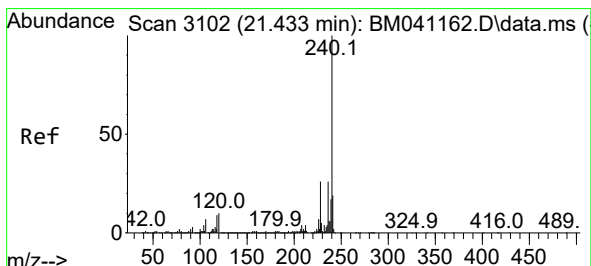
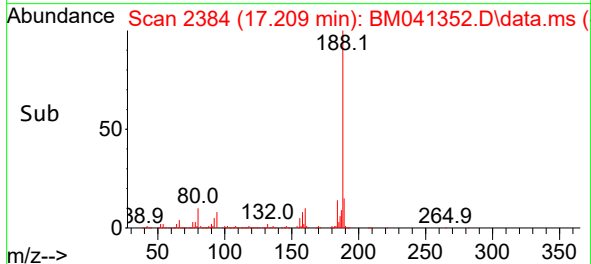
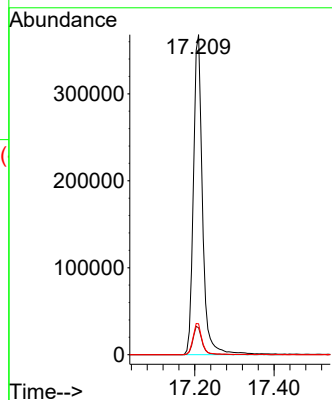
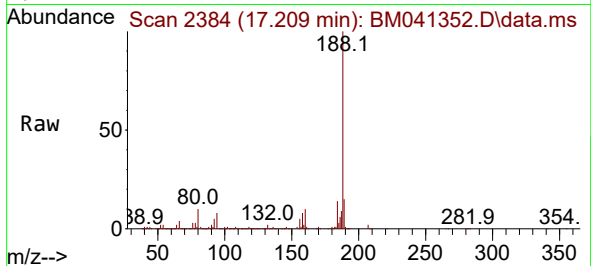




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

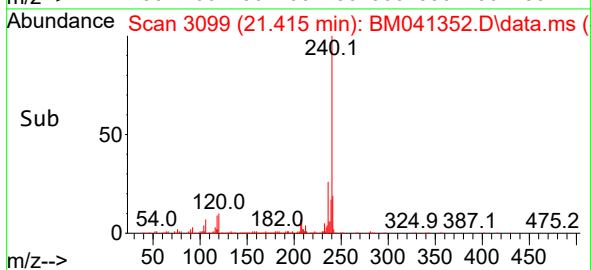
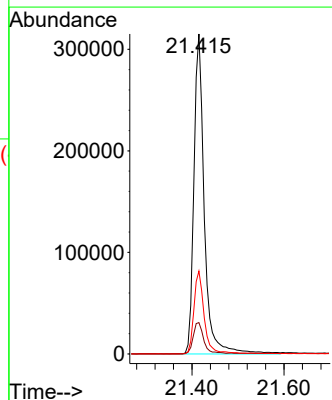
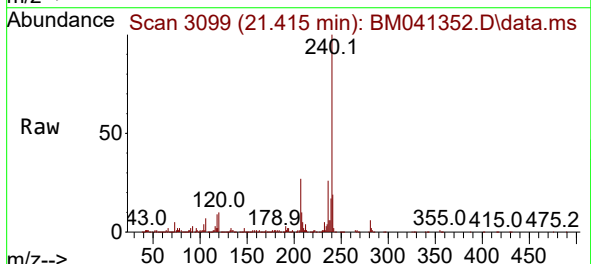
Instrument :
BNA_M
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DAYTON-SOIL2

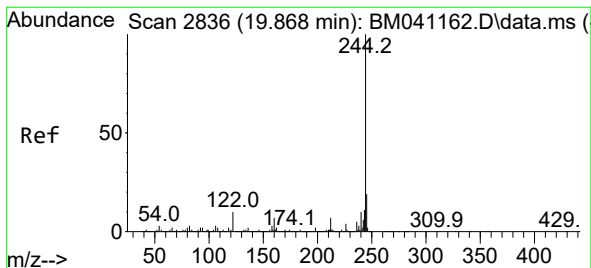
Tgt Ion:188 Resp: 586915
Ion Ratio Lower Upper
188 100
94 8.4 8.2 12.2
80 9.7 8.6 13.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Tgt Ion:240 Resp: 493118
Ion Ratio Lower Upper
240 100
120 9.8 8.3 12.5
236 25.9 20.6 30.8





#79

Terphenyl-d14

Concen: 103.131 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041352.D

Acq: 09 Aug 2023 22:53

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL2

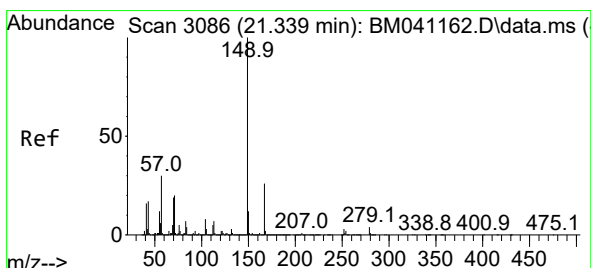
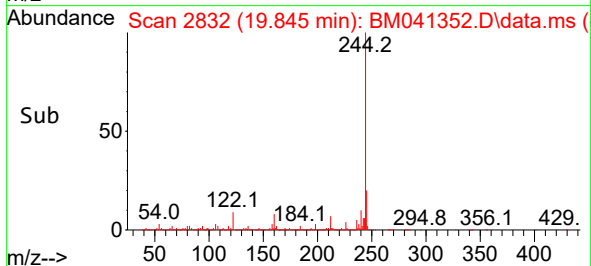
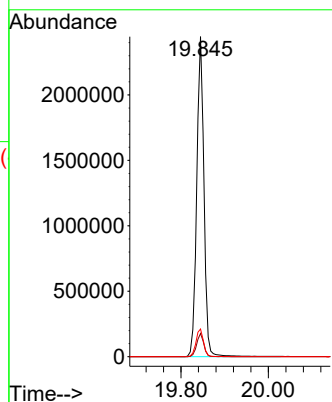
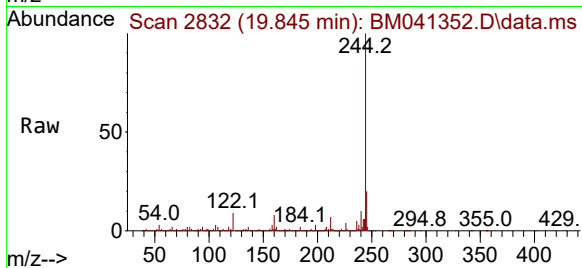
Tgt Ion:244 Resp: 2812737

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 8.7 7.8 11.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.679 ng

RT: 21.321 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM041352.D

Acq: 09 Aug 2023 22:53

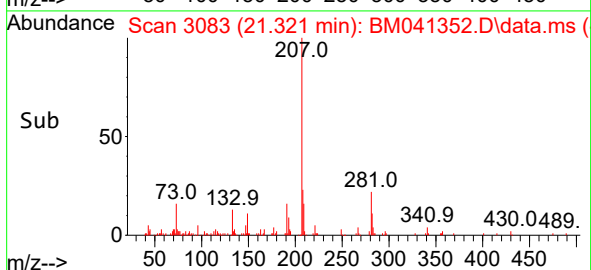
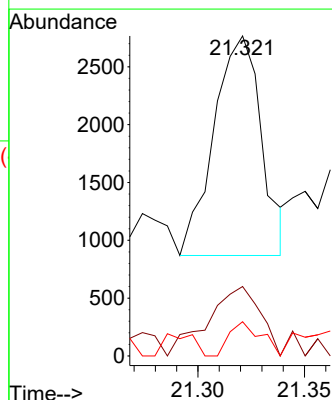
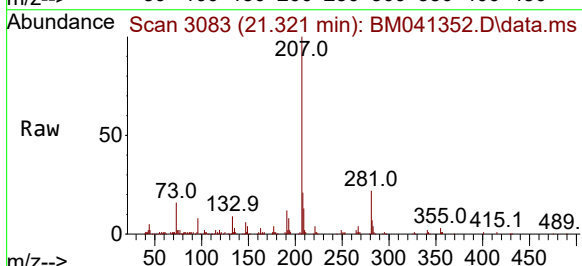
Tgt Ion:149 Resp: 2960

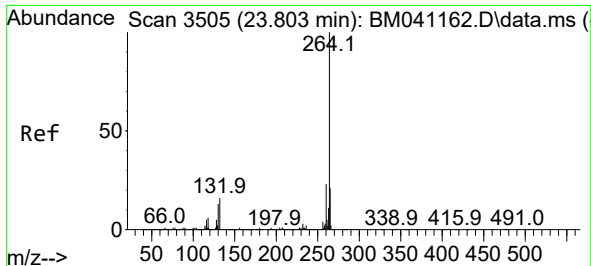
Ion Ratio Lower Upper

149 100

167 21.7 21.0 31.6

279 10.7 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.785 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM041352.D
Acq: 09 Aug 2023 22:53

Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL2

Tgt Ion:264 Resp: 539350

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	23.0	17.4	26.0

