

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080923\
 Data File : BM041351.D
 Acq On : 09 Aug 2023 22:16
 Operator : MA/JU
 Sample : 03931-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DAYTON-SOIL1

Quant Time: Aug 10 03:29:03 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)

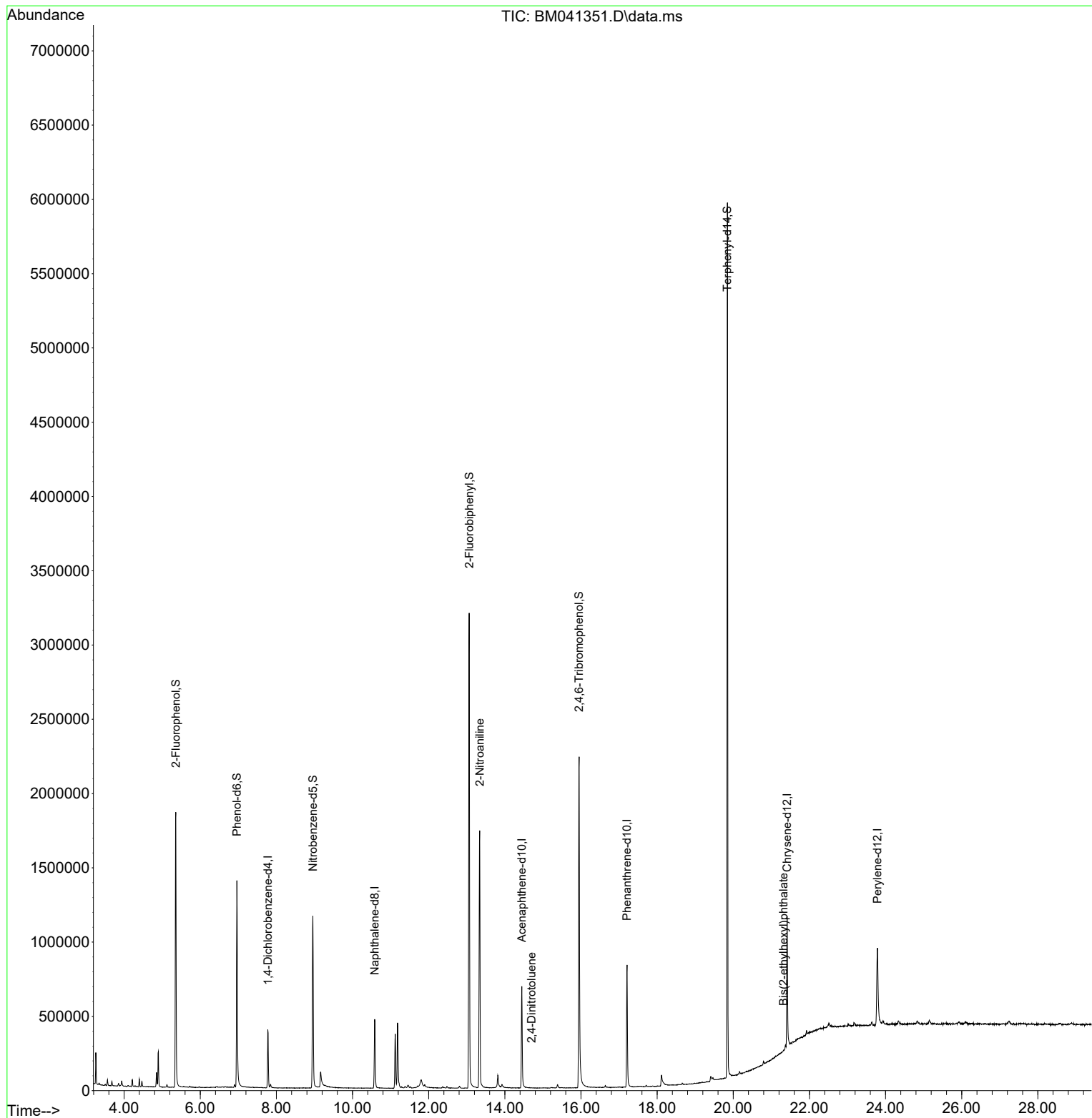
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	98973	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	388319	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	241873	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	537684	20.000	ng	0.00
76) Chrysene-d12	21.415	240	477151	20.000	ng	0.00
86) Perylene-d12	23.786	264	509225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	765005	115.523	ng	0.00
7) Phenol-d6	6.963	99	812748	94.684	ng	0.00
23) Nitrobenzene-d5	8.957	82	698453	83.646	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	476087	139.159	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	1616049	84.403	ng	0.00
79) Terphenyl-d14	19.845	244	2736076	103.677	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.339	65	36000	7.703	ng	# 14
57) 2,4-Dinitrotoluene	14.704	165	56	2.680	ng	# 23
84) Bis(2-ethylhexyl)phtha...	21.321	149	2090	2.641	ng	# 78

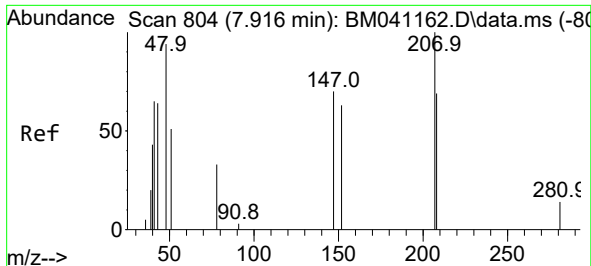
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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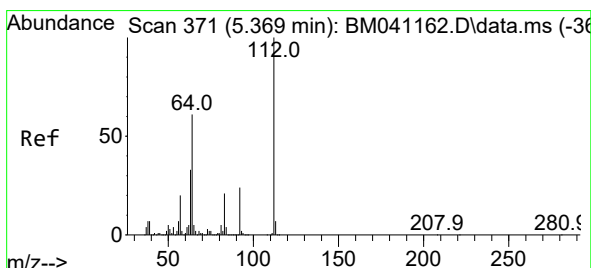
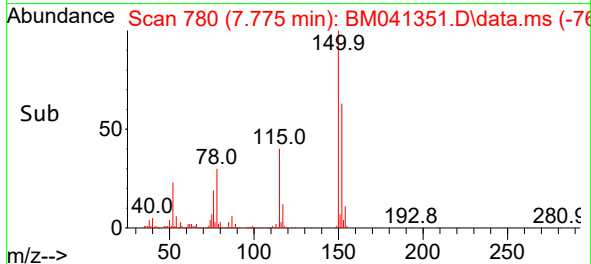
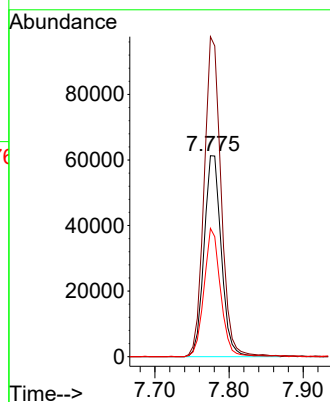
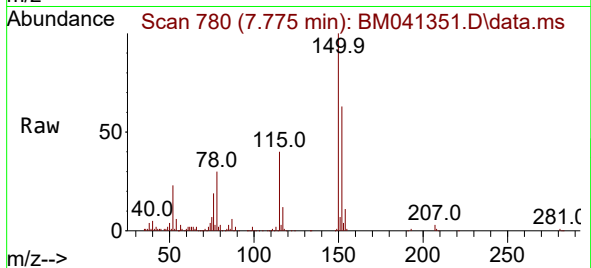




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041351.D
Acq: 09 Aug 2023 22:16

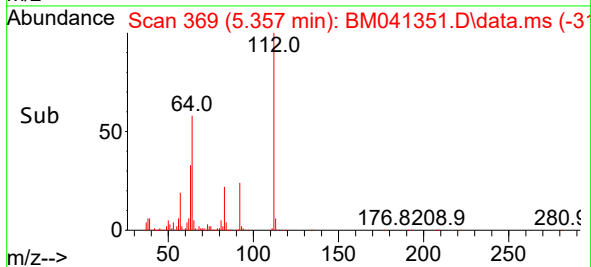
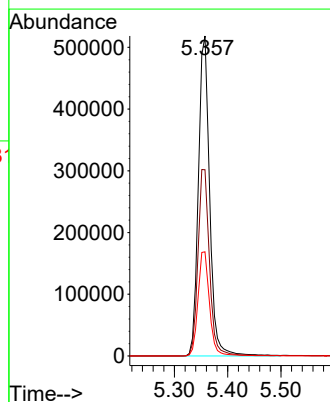
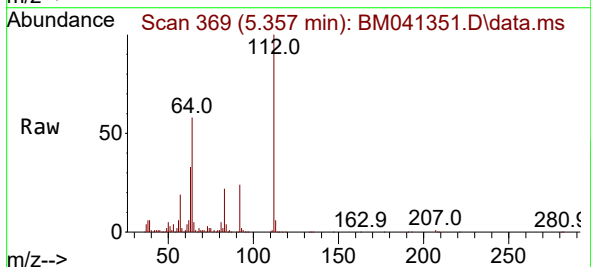
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL1

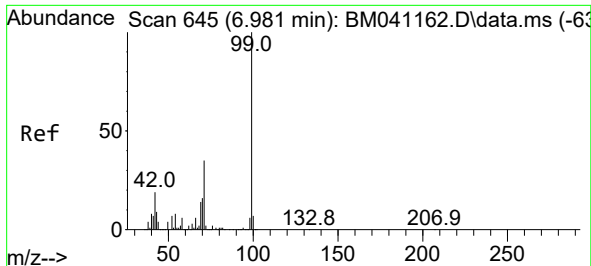
Tgt Ion:152 Resp: 98973
Ion Ratio Lower Upper
152 100
150 159.3 125.5 188.3
115 63.9 48.0 72.0



#5
2-Fluorophenol
Concen: 115.523 ng
RT: 5.357 min Scan# 369
Delta R.T. -0.000 min
Lab File: BM041351.D
Acq: 09 Aug 2023 22:16

Tgt Ion:112 Resp: 765005
Ion Ratio Lower Upper
112 100
64 58.2 48.5 72.7
63 32.5 26.5 39.7

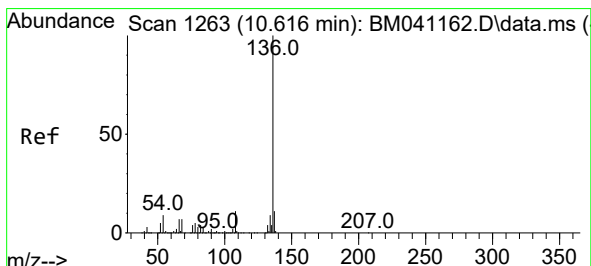
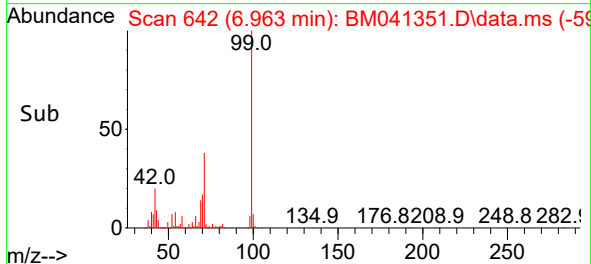
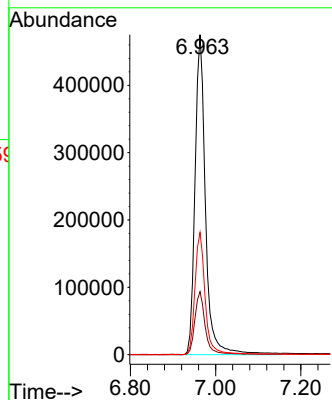
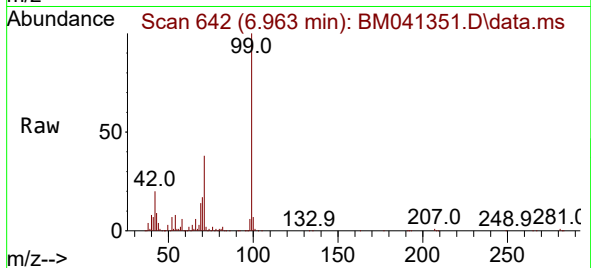




#7
Phenol-d6
Concen: 94.684 ng
RT: 6.963 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM041351.D
Acq: 09 Aug 2023 22:16

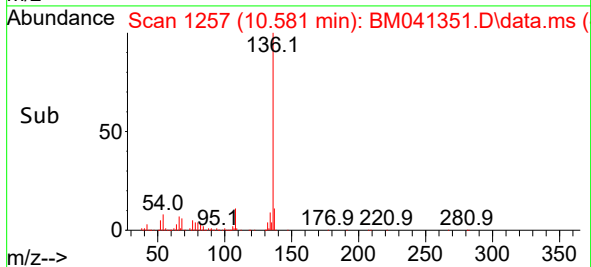
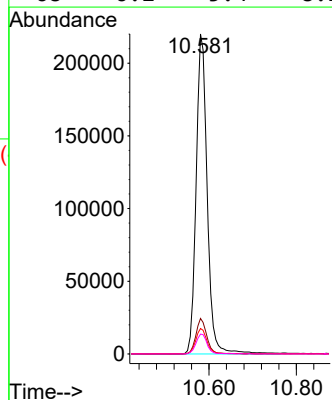
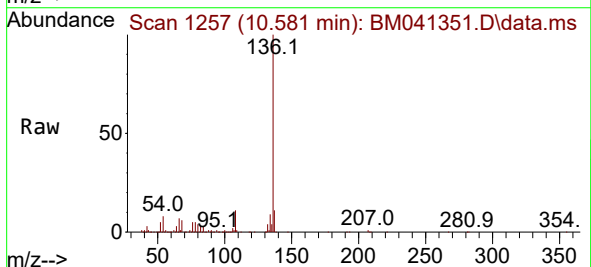
Instrument :
BNA_M
ClientSampleId :
DAYTON-SOIL1

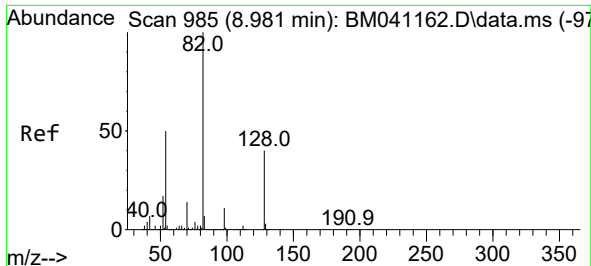
Tgt Ion: 99 Resp: 812748
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.0
71 38.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BM041351.D
Acq: 09 Aug 2023 22:16

Tgt Ion: 136 Resp: 388319
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.0 6.9 10.3
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 83.646 ng

RT: 8.957 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM041351.D

Acq: 09 Aug 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL1

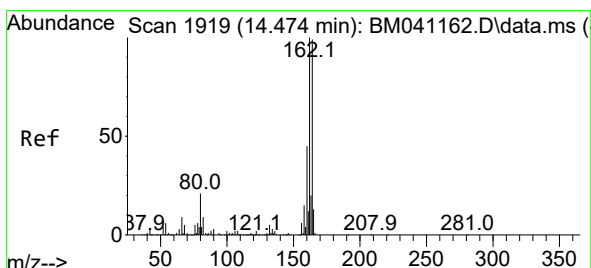
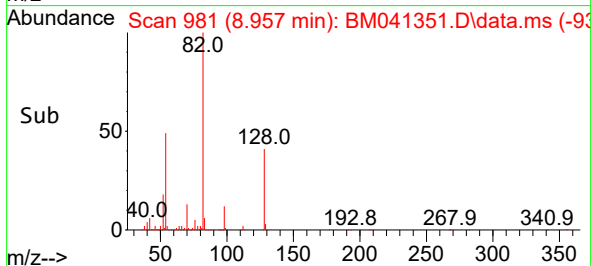
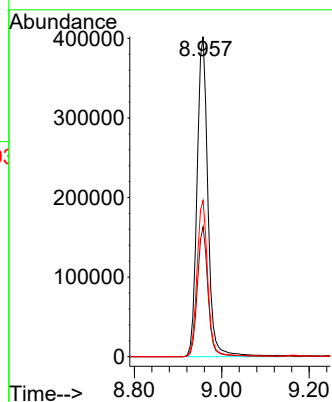
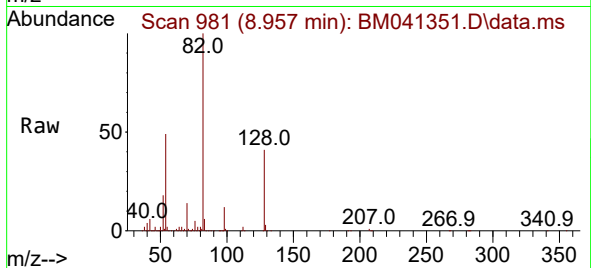
Tgt Ion: 82 Resp: 698453

Ion Ratio Lower Upper

82 100

128 40.6 31.8 47.6

54 48.8 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: BM041351.D

Acq: 09 Aug 2023 22:16

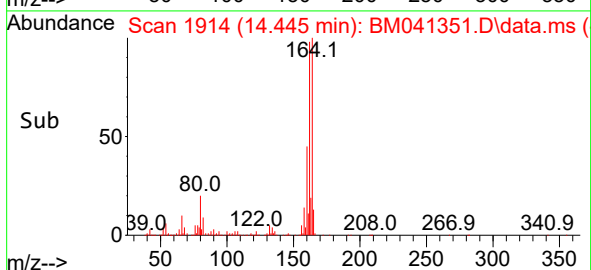
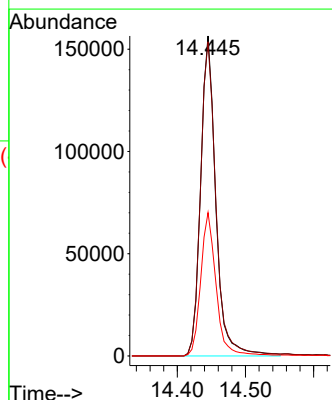
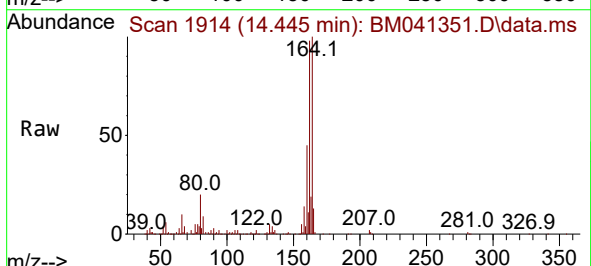
Tgt Ion: 164 Resp: 241873

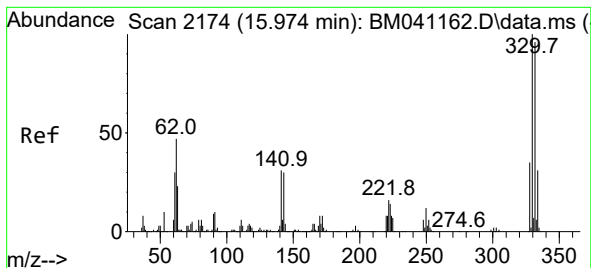
Ion Ratio Lower Upper

164 100

162 98.2 80.4 120.6

160 44.8 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 139.159 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041351.D

Acq: 09 Aug 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL1

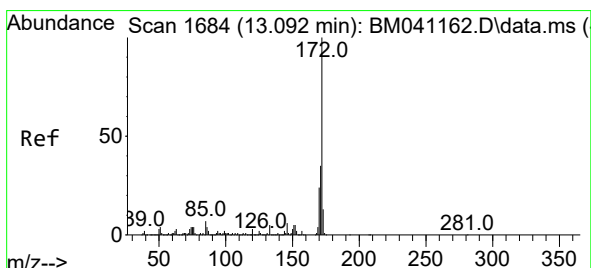
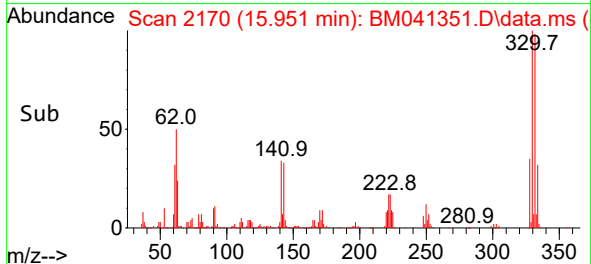
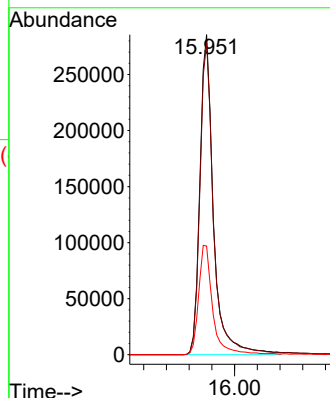
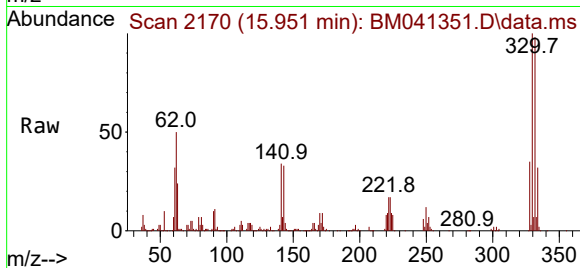
Tgt Ion:330 Resp: 476087

Ion Ratio Lower Upper

330 100

332 98.6 77.7 116.5

141 35.5 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 84.403 ng

RT: 13.063 min Scan# 1679

Delta R.T. -0.000 min

Lab File: BM041351.D

Acq: 09 Aug 2023 22:16

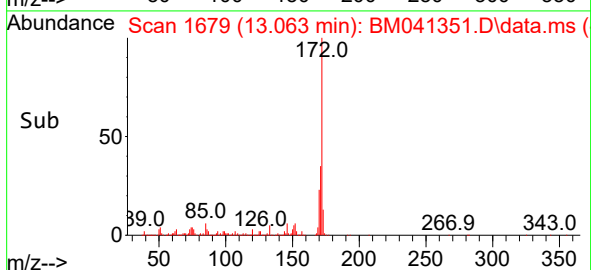
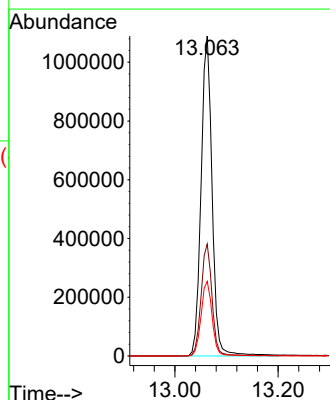
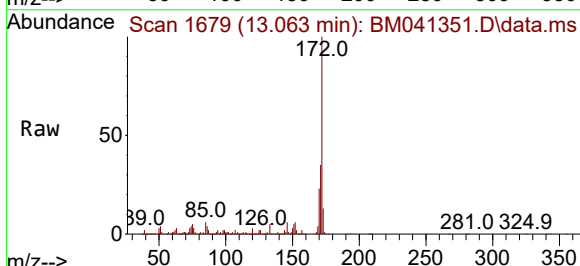
Tgt Ion:172 Resp: 1616049

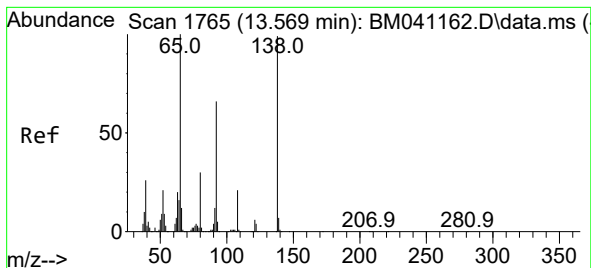
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.3 18.9 28.3





#48

2-Nitroaniline

Concen: 7.703 ng

RT: 13.339 min Scan# 1

Delta R.T. -0.206 min

Lab File: BM041351.D

Acq: 09 Aug 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL1

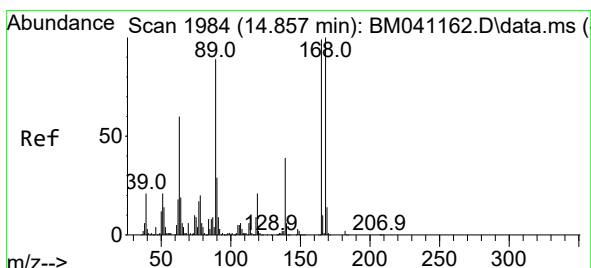
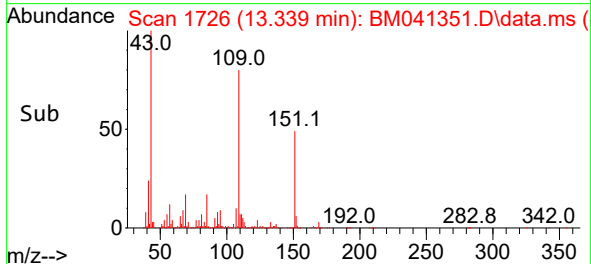
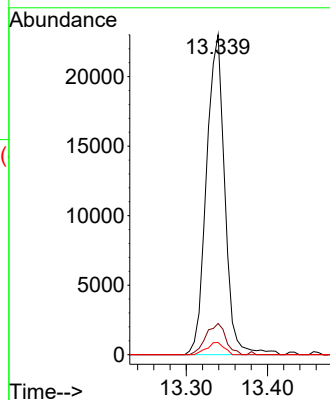
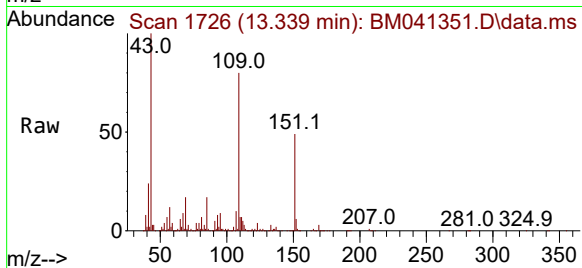
Tgt Ion: 65 Resp: 36000

Ion Ratio Lower Upper

65 100

92 9.8 53.0 79.4#

138 3.8 79.1 118.7#



#57

2,4-Dinitrotoluene

Concen: 2.680 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.141 min

Lab File: BM041351.D

Acq: 09 Aug 2023 22:16

Tgt Ion: 165 Resp: 56

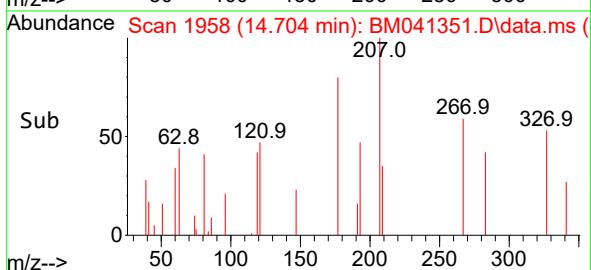
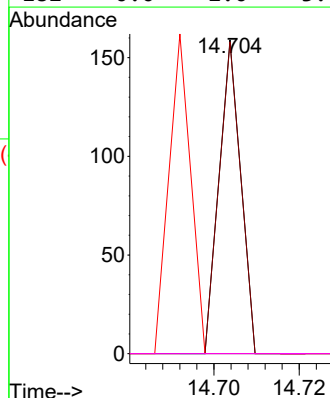
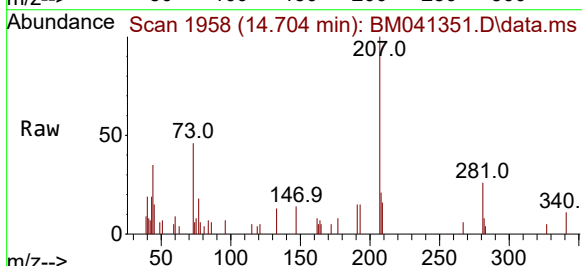
Ion Ratio Lower Upper

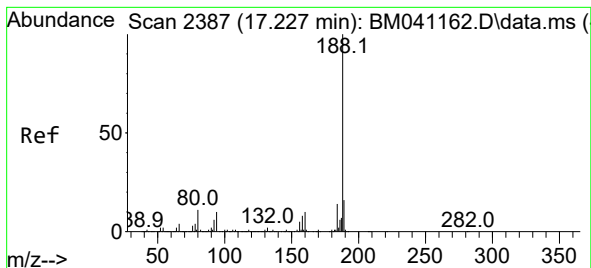
165 100

63 99.4 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: BM041351.D

Acq: 09 Aug 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL1

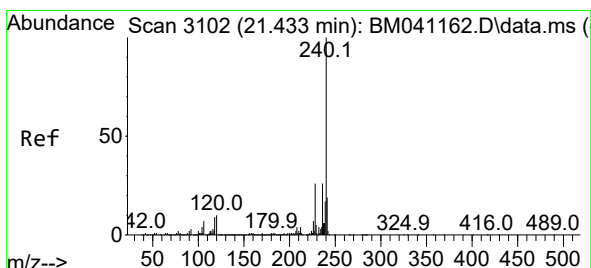
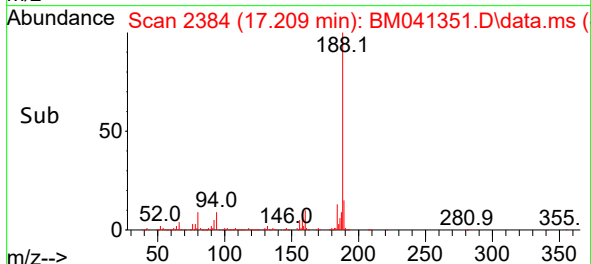
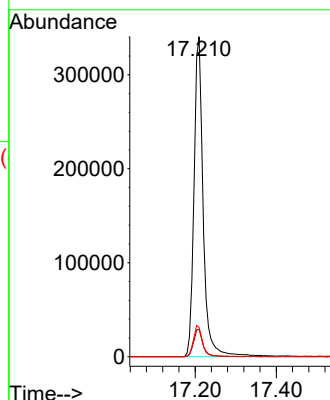
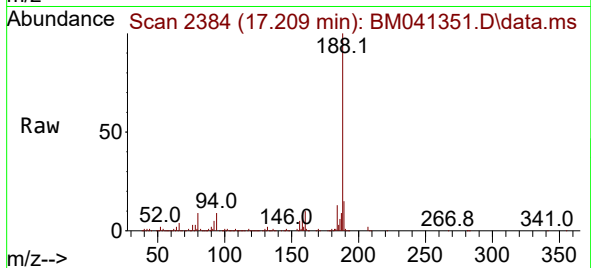
Tgt Ion:188 Resp: 537684

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

80 9.2 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: BM041351.D

Acq: 09 Aug 2023 22:16

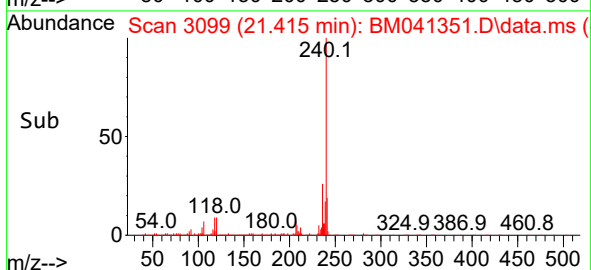
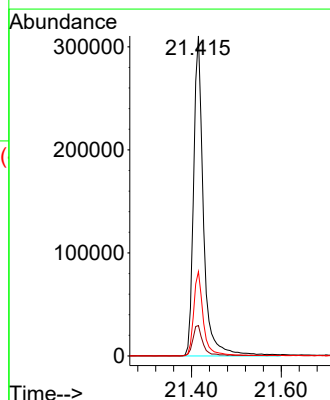
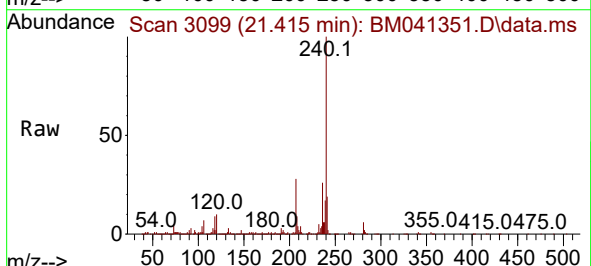
Tgt Ion:240 Resp: 477151

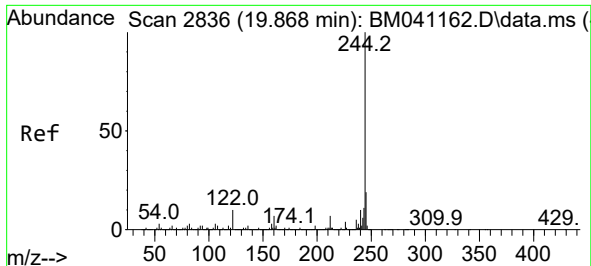
Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

236 26.3 20.6 30.8

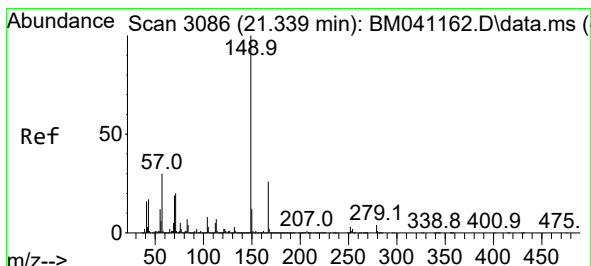
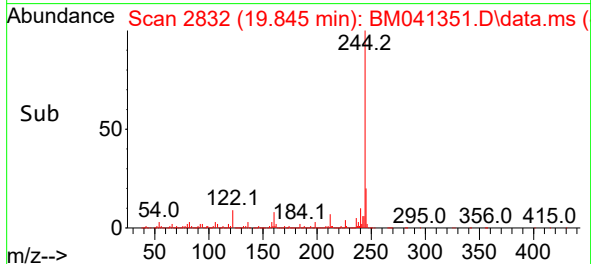
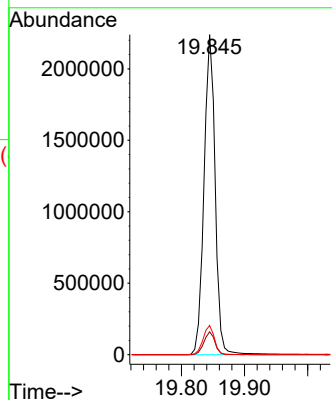
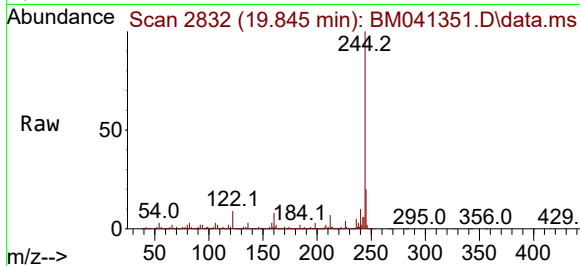




#79
 Terphenyl-d14
 Concen: 103.677 ng
 RT: 19.845 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM041351.D
 Acq: 09 Aug 2023 22:16

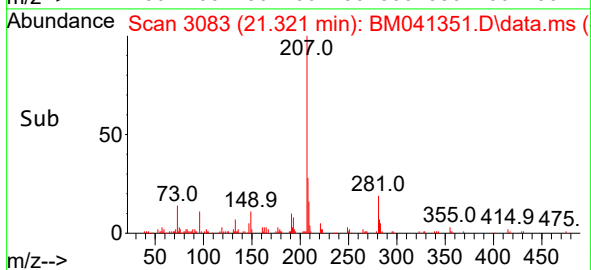
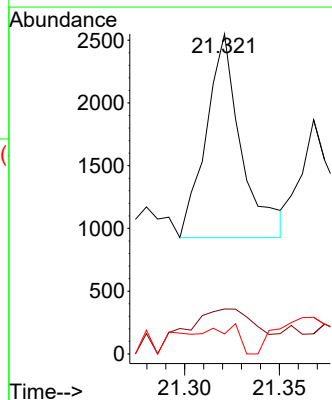
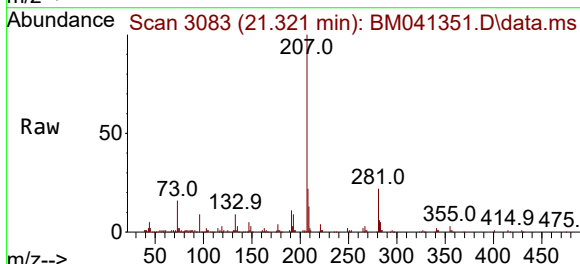
Instrument :
 BNA_M
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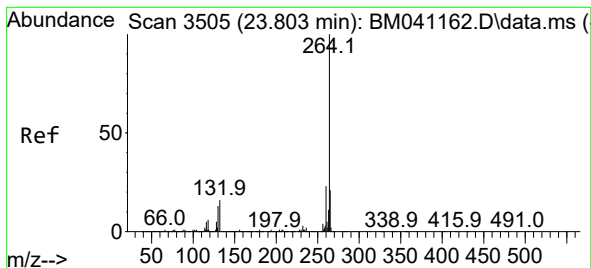
Tgt Ion:244 Resp: 2736076
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 9.1 7.8 11.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.641 ng
 RT: 21.321 min Scan# 3083
 Delta R.T. -0.000 min
 Lab File: BM041351.D
 Acq: 09 Aug 2023 22:16

Tgt Ion:149 Resp: 2090
 Ion Ratio Lower Upper
 149 100
 167 14.0 21.0 31.6#
 279 6.2 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.786 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM041351.D

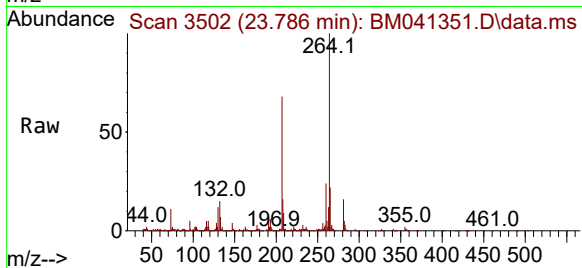
Acq: 09 Aug 2023 22:16

Instrument :

BNA_M

ClientSampleId :

DAYTON-SOIL1



Tgt Ion:264 Resp: 509225

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 22.3 17.4 26.0

