

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
 Data File : BM041286.D
 Acq On : 04 Aug 2023 10:01
 Operator : MA/JU
 Sample : 03854-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BERGENFIELD-SOIL-COMP

Quant Time: Aug 04 12:11:35 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 02 19:20:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	128946	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	528731	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	367416	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	924480	20.000	ng	0.00
76) Chrysene-d12	21.427	240	791330	20.000	ng	0.00
86) Perylene-d12	23.803	264	741562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	995495	115.386	ng	0.00
7) Phenol-d6	6.981	99	1189513	106.365	ng	0.00
23) Nitrobenzene-d5	8.975	82	926100	81.455	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	826685	159.073	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	2227153	76.574	ng	0.00
79) Terphenyl-d14	19.862	244	4578647	104.614	ng	0.00

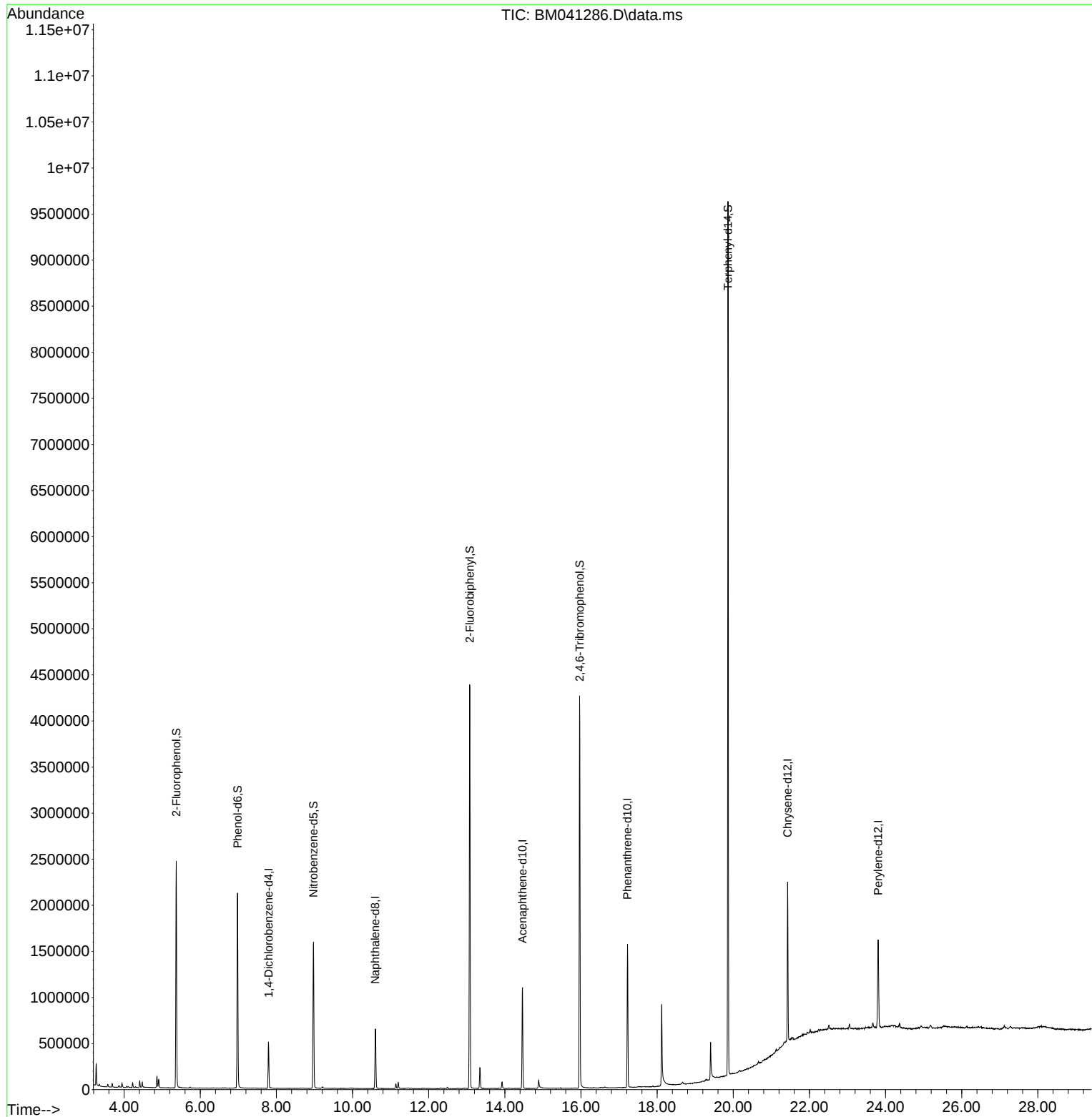
Target Compounds	Qvalue

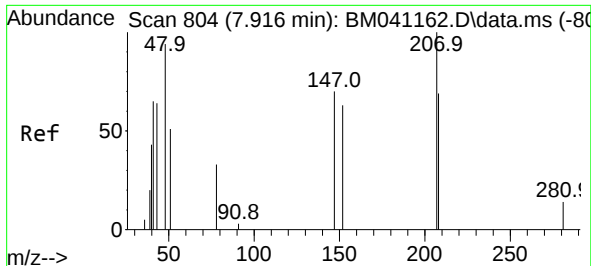
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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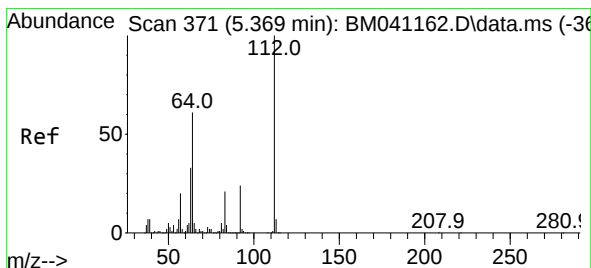
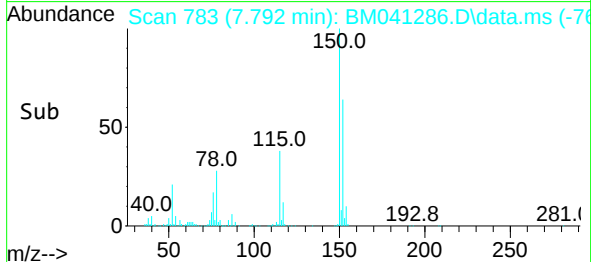
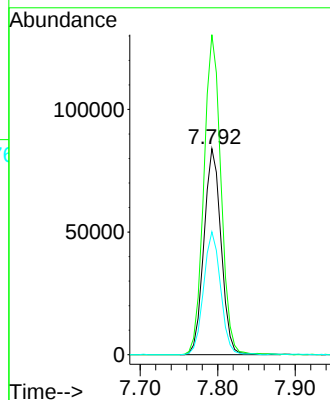
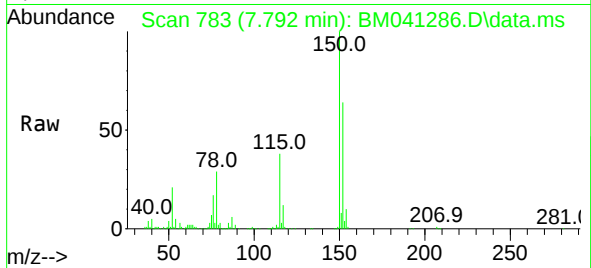




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 71
Delta R.T. -0.001 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

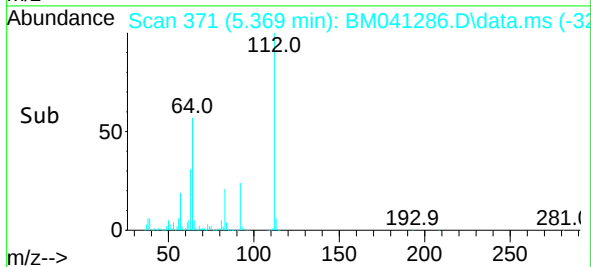
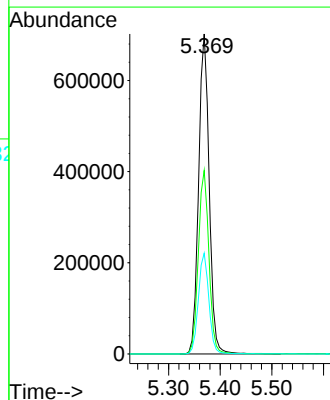
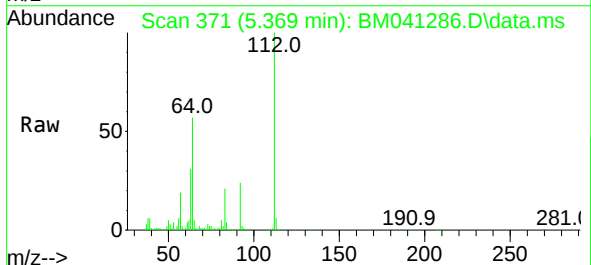
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMP

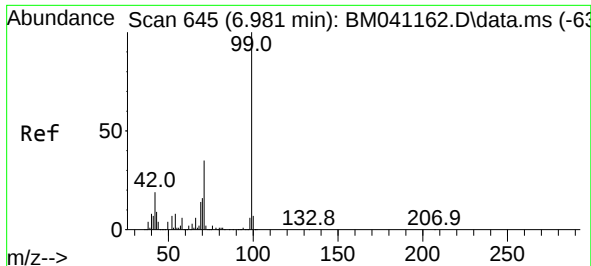
Tgt Ion:152 Resp: 128946
Ion Ratio Lower Upper
152 100
150 155.3 125.5 188.3
115 59.7 48.0 72.0



#5
2-Fluorophenol
Concen: 115.386 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

Tgt Ion:112 Resp: 995495
Ion Ratio Lower Upper
112 100
64 57.4 48.5 72.7
63 31.5 26.5 39.7

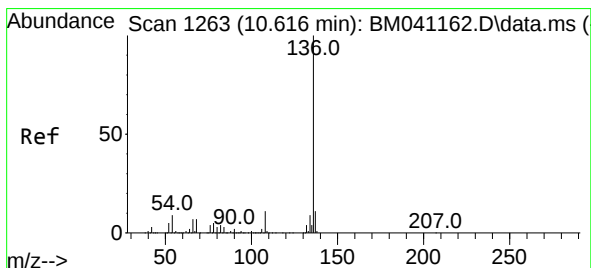
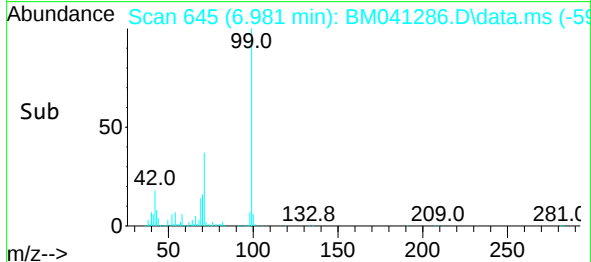
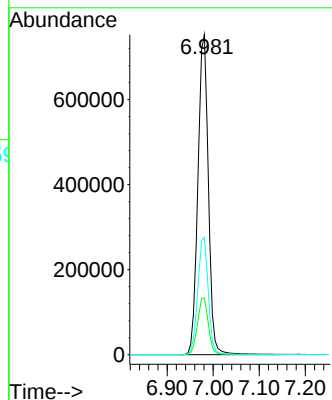
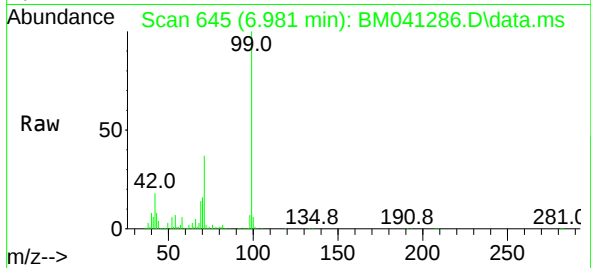




#7
Phenol-d6
Concen: 106.365 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

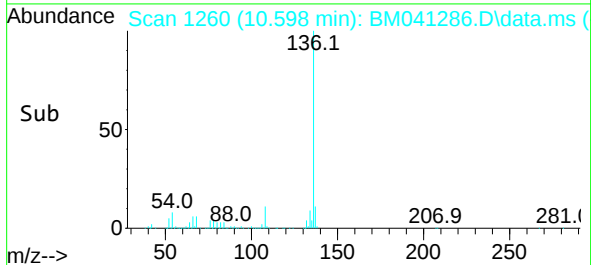
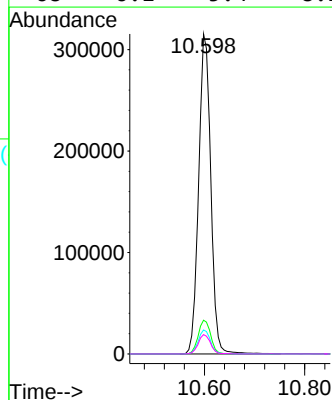
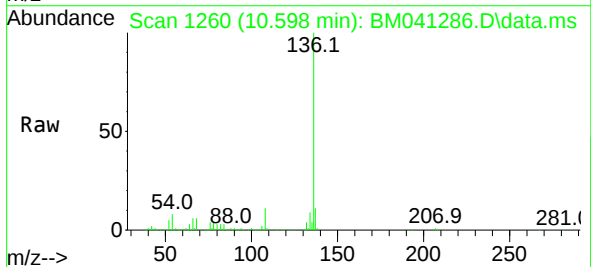
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMP

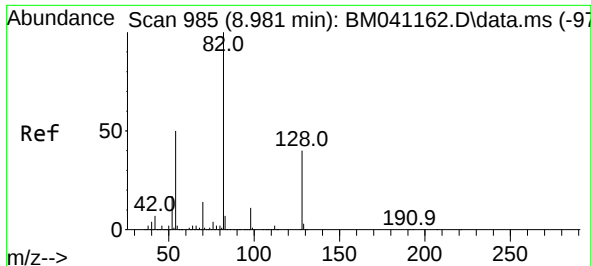
Tgt Ion: 99 Resp: 1189513
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

Tgt Ion:136 Resp: 528731
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.9 10.3
68 6.1 5.4 8.2

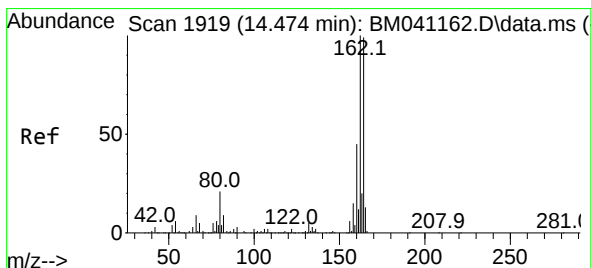
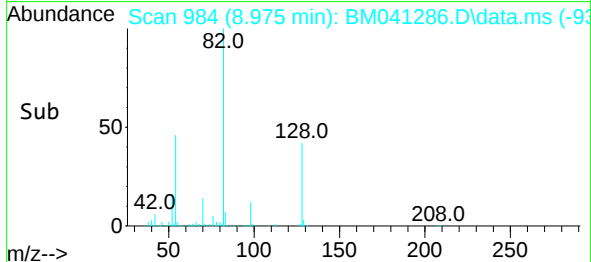
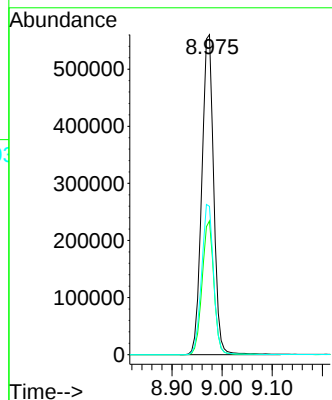
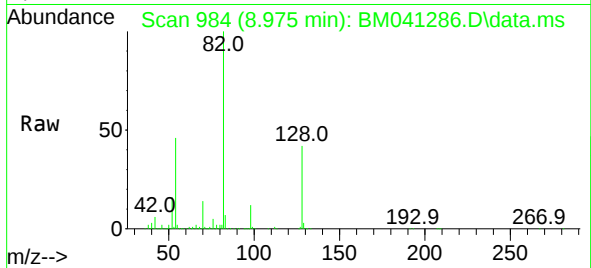




#23
Nitrobenzene-d5
Concen: 81.455 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

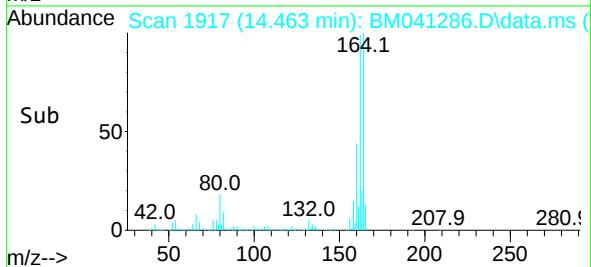
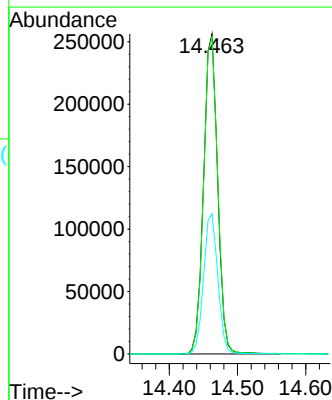
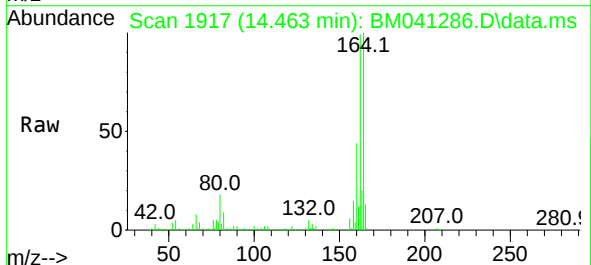
Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMP

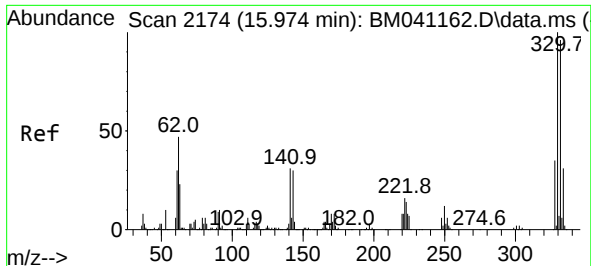
Tgt Ion: 82 Resp: 926100
Ion Ratio Lower Upper
82 100
128 41.8 31.8 47.6
54 46.3 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041286.D
Acq: 04 Aug 2023 10:01

Tgt Ion: 164 Resp: 367416
Ion Ratio Lower Upper
164 100
162 99.1 80.4 120.6
160 43.8 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 159.073 ng

RT: 15.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041286.D

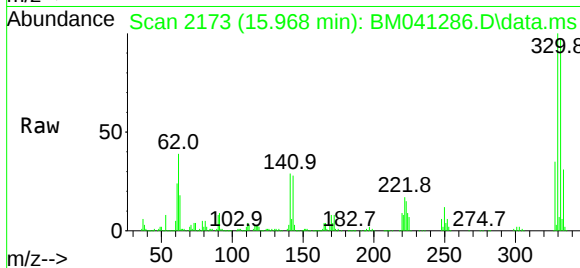
Acq: 04 Aug 2023 10:01

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMP



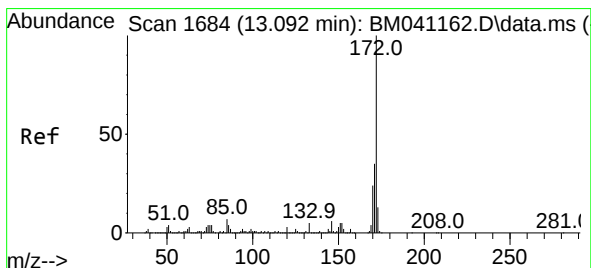
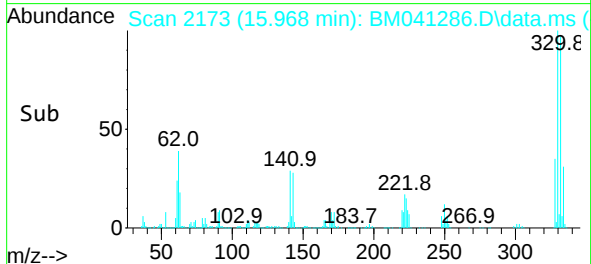
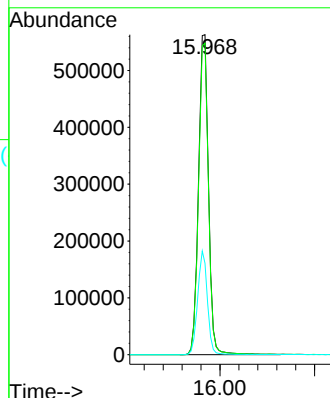
Tgt Ion:330 Resp: 826685

Ion Ratio Lower Upper

330 100

332 96.6 77.7 116.5

141 31.5 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 76.574 ng

RT: 13.080 min Scan# 1682

Delta R.T. -0.000 min

Lab File: BM041286.D

Acq: 04 Aug 2023 10:01

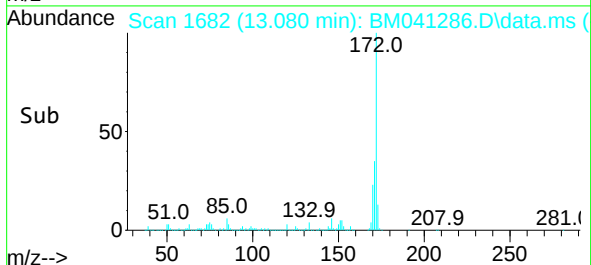
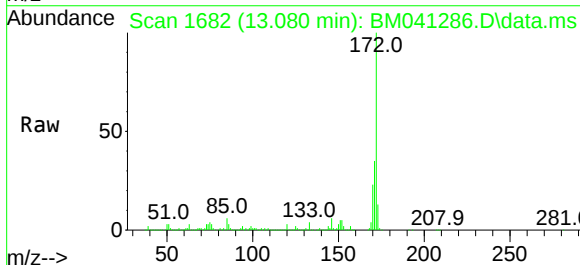
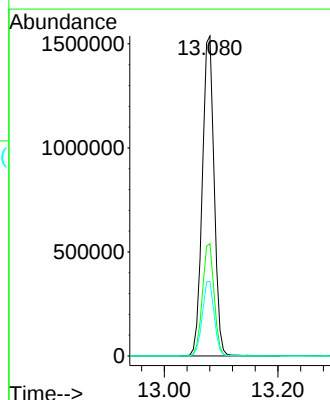
Tgt Ion:172 Resp: 2227153

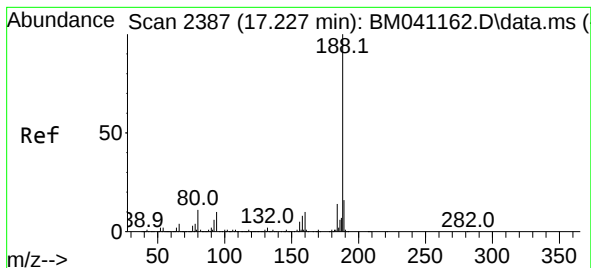
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041286.D

Acq: 04 Aug 2023 10:01

Instrument :

BNA_M

ClientSampleId :

BERGENFIELD-SOIL-COMP

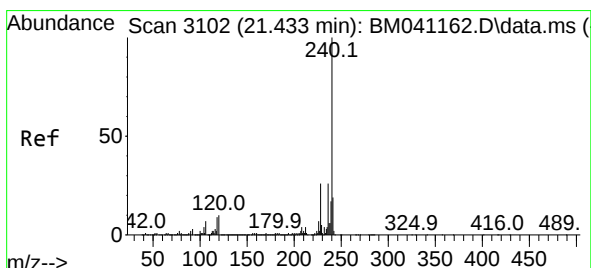
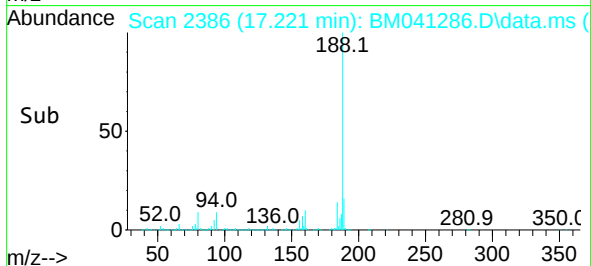
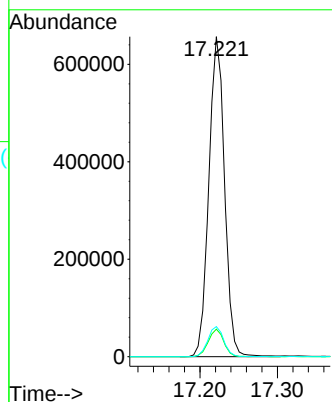
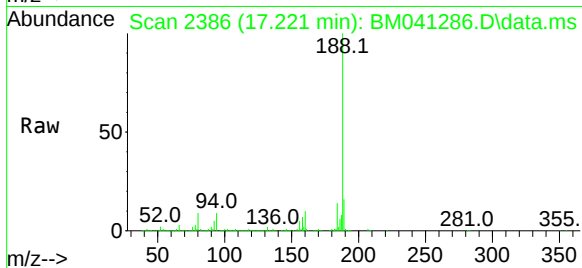
Tgt Ion:188 Resp: 924480

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

80 9.4 8.6 13.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM041286.D

Acq: 04 Aug 2023 10:01

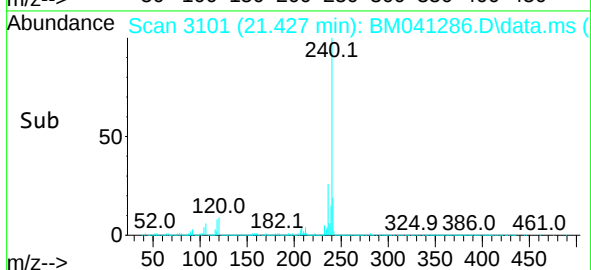
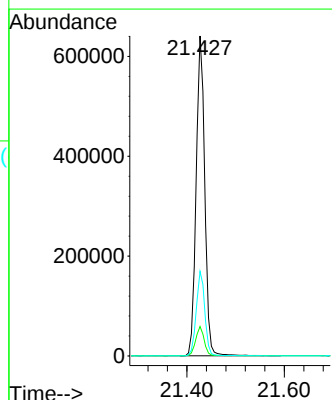
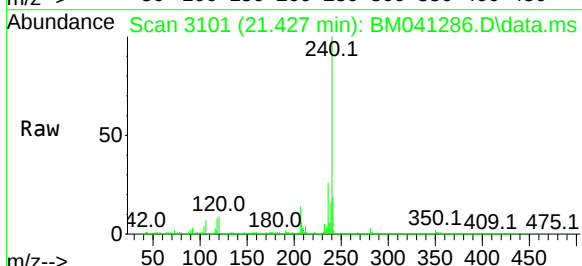
Tgt Ion:240 Resp: 791330

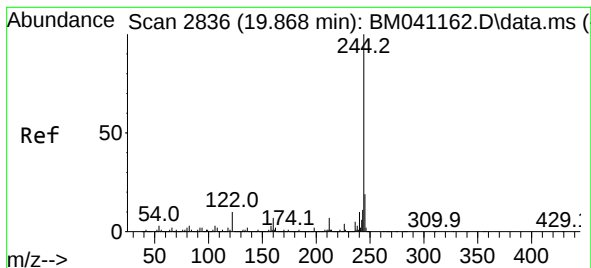
Ion Ratio Lower Upper

240 100

120 9.2 8.3 12.5

236 26.5 20.6 30.8





#79

Terphenyl-d14

Concen: 104.614 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041286.D

Acq: 04 Aug 2023 10:01

Instrument :

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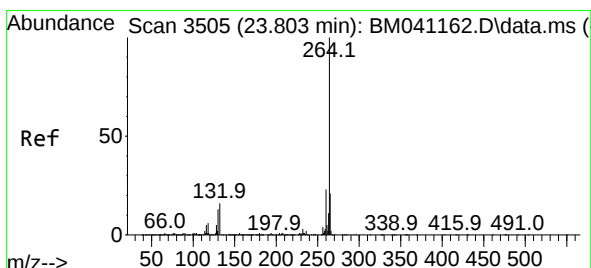
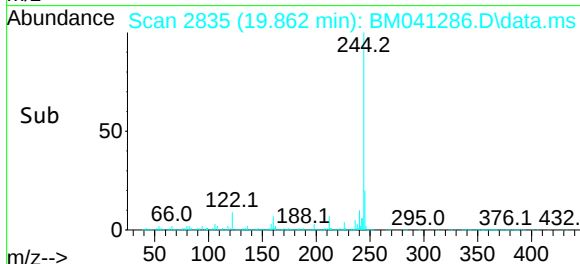
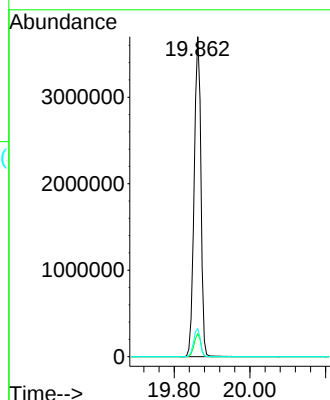
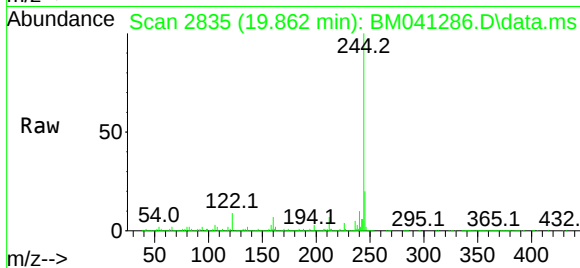
Tgt Ion:244 Resp: 4578647

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 8.7 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.803 min Scan# 3505

Delta R.T. -0.000 min

Lab File: BM041286.D

Acq: 04 Aug 2023 10:01

Tgt Ion:264 Resp: 741562

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.9 17.4 26.0

