

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035163.D
 Acq On : 19 May 2022 21:34
 Operator : CG/JU
 Sample : N2889-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D2321-22-SOIL

Quant Time: May 20 04:56:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

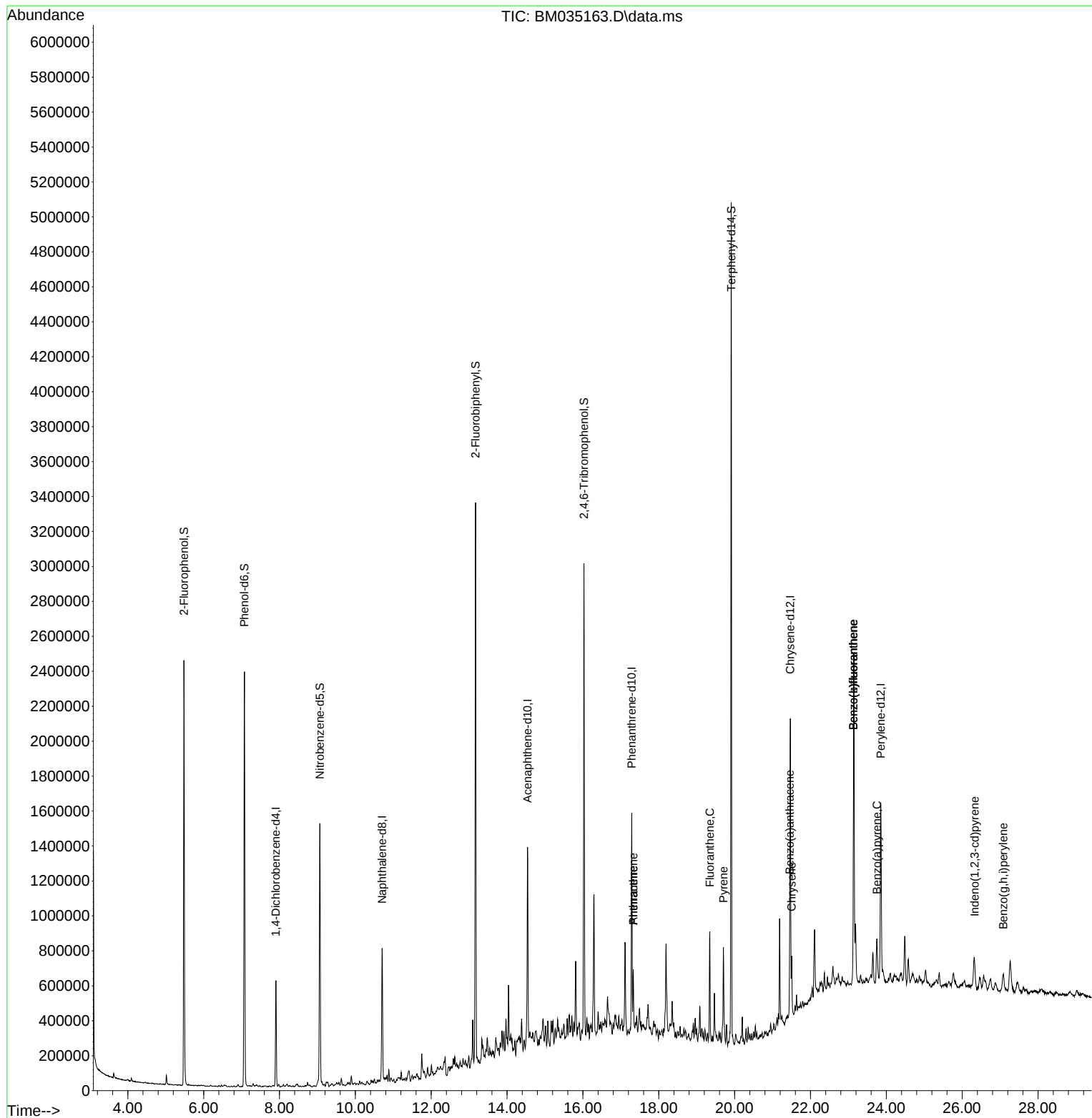
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	151144	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	602372	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	356905	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	712731	20.000	ng	0.00
76) Chrysene-d12	21.468	240	704646	20.000	ng	0.00
86) Perylene-d12	23.850	264	738679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	956649	111.664	ng	0.00
7) Phenol-d6	7.075	99	1224579	110.724	ng	0.00
23) Nitrobenzene-d5	9.063	82	806773	72.326	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	423590	109.105	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1568403	63.793	ng	0.00
79) Terphenyl-d14	19.909	244	2091596	57.472	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.327	178	197681	4.977	ng	98
72) Anthracene	17.327	178	197681	5.154	ng	98
75) Fluoranthene	19.345	202	337025	7.727	ng	98
78) Pyrene	19.703	202	329919	7.080	ng	99
81) Benzo(a)anthracene	21.450	228	182940	3.891	ng	99
83) Chrysene	21.503	228	182032	4.053	ng	97
87) Indeno(1,2,3-cd)pyrene	26.327	276	117372	2.090	ng	95
88) Benzo(b)fluoranthene	23.133	252	239871	5.163	ng	# 89
89) Benzo(k)fluoranthene	23.133	252	239871	5.100	ng	# 89
90) Benzo(a)pyrene	23.750	252	165379	4.285	ng	94
92) Benzo(g,h,i)perylene	27.085	276	117776	2.602	ng	98

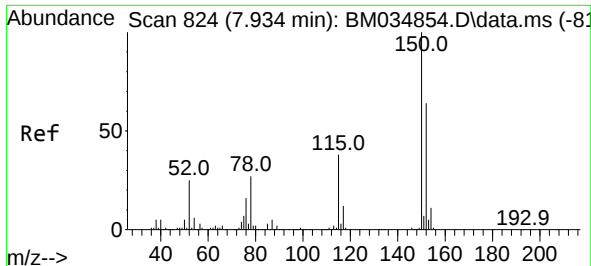
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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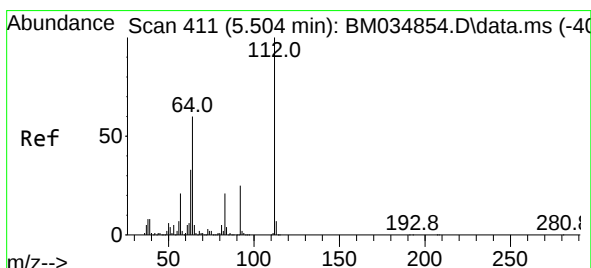
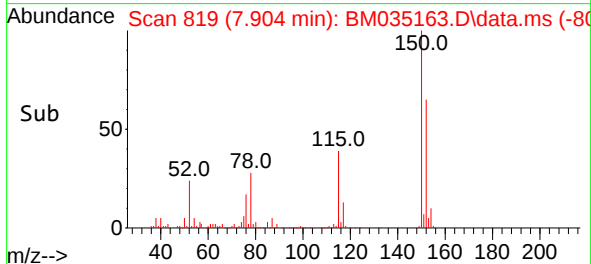
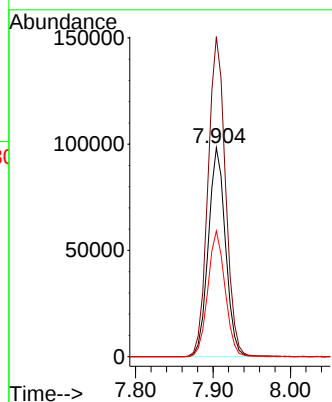
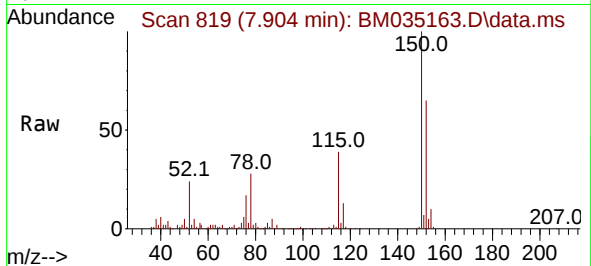




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.904 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

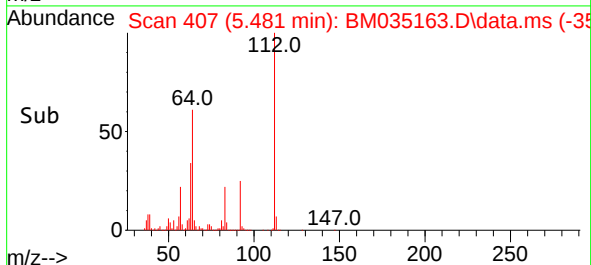
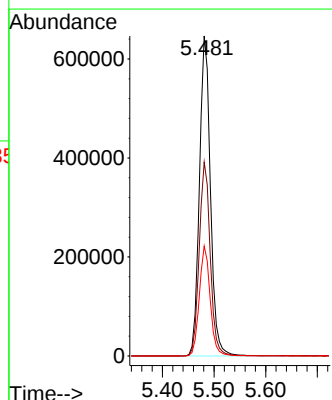
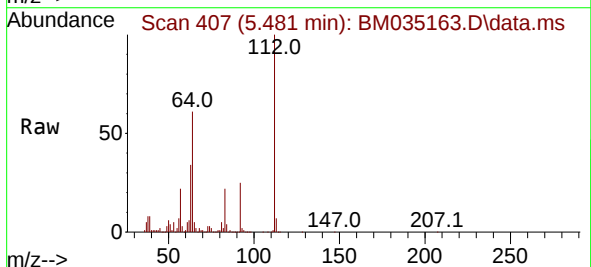
Instrument :
 BNA_M
 ClientSampleId :
 D2321-22-SOIL

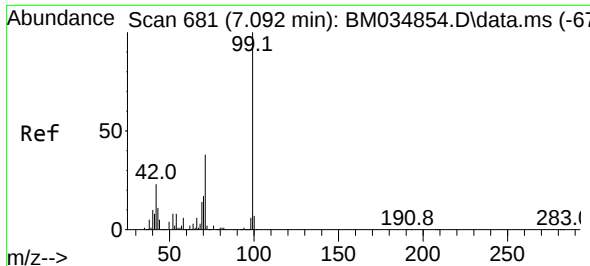
Tgt Ion:152 Resp: 151144
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.9 187.3
 115 60.2 47.9 71.9



#5
 2-Fluorophenol
 Concen: 111.664 ng
 RT: 5.481 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

Tgt Ion:112 Resp: 956649
 Ion Ratio Lower Upper
 112 100
 64 60.6 47.8 71.6
 63 34.3 26.6 40.0



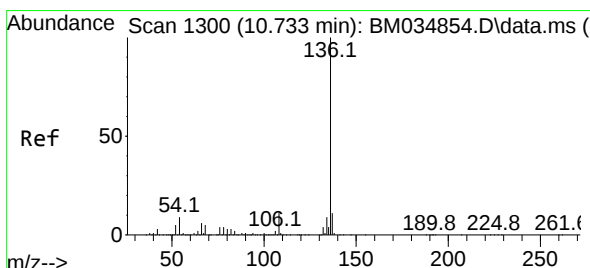
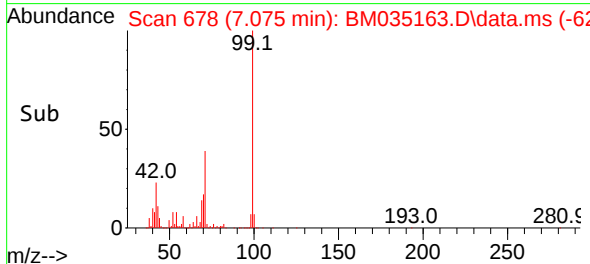
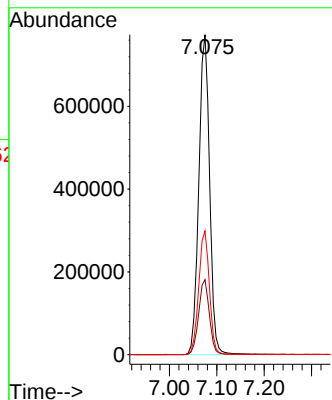
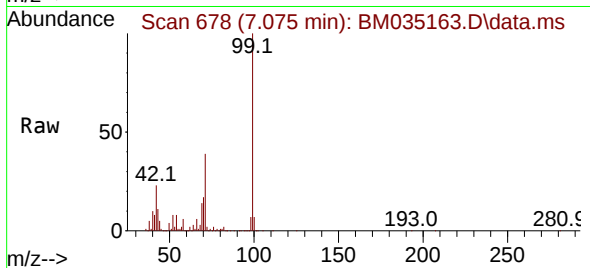


#7
Phenol-d6
Concen: 110.724 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

Instrument :
BNA_M
ClientSampleId :
D2321-22-SOIL

Tgt Ion: 99 Resp: 1224579

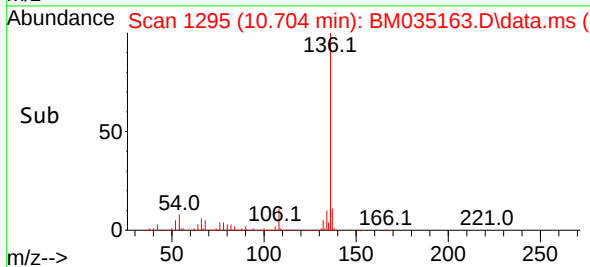
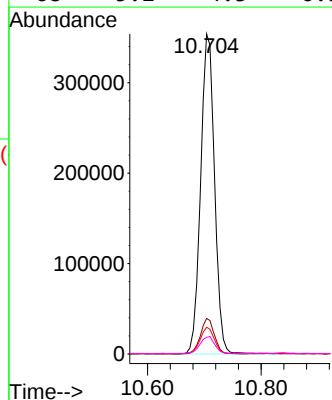
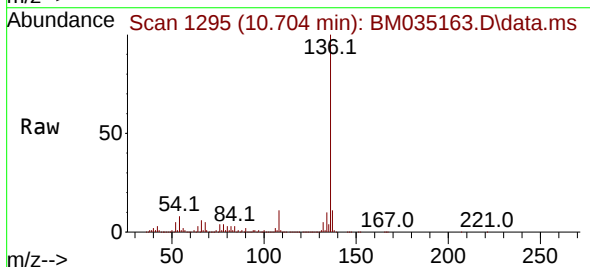
Ion	Ratio	Lower	Upper
99	100		
42	23.5	18.8	28.2
71	38.7	30.2	45.2

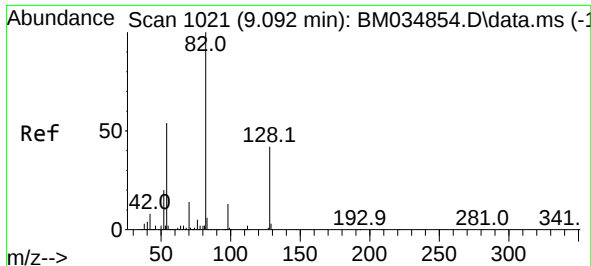


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

Tgt Ion: 136 Resp: 602372

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.3	7.0	10.4
68	5.2	4.3	6.5

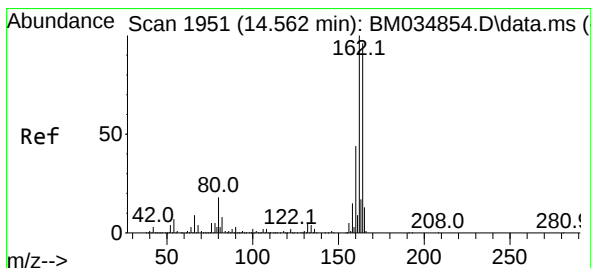
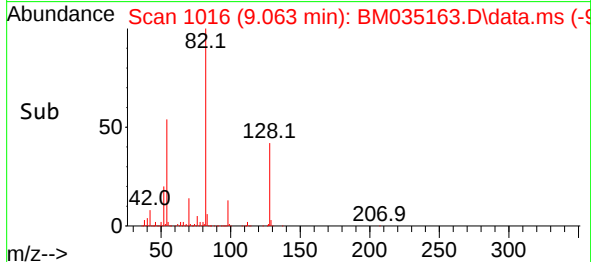
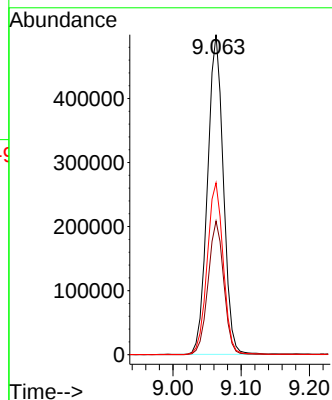
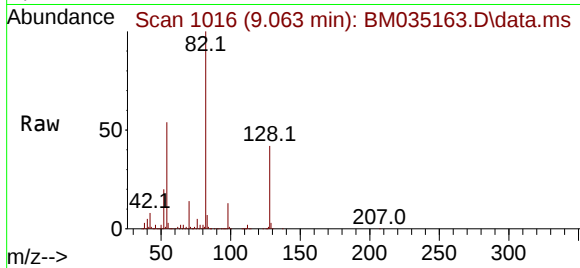




#23
Nitrobenzene-d5
Concen: 72.326 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

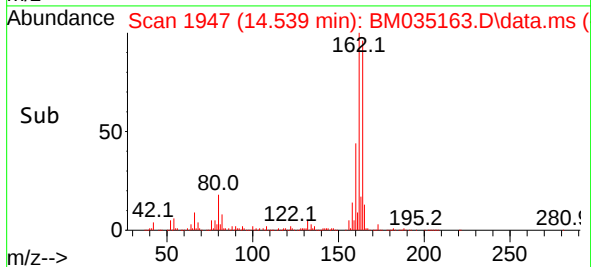
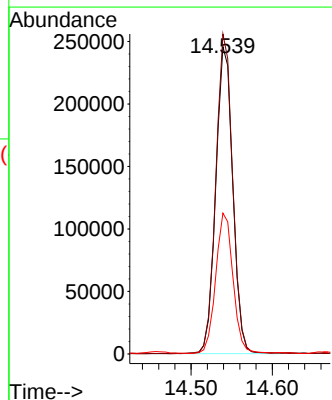
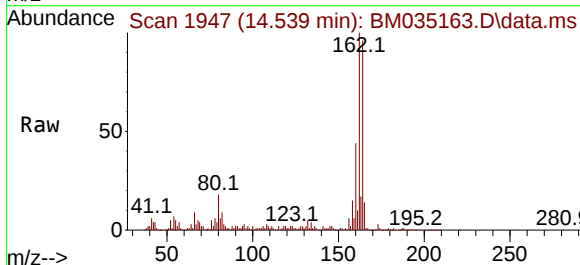
Instrument :
BNA_M
ClientSampleId :
D2321-22-SOIL

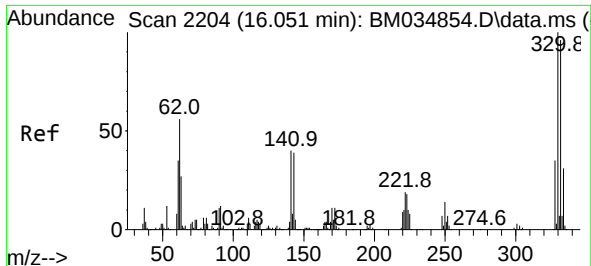
Tgt Ion: 82 Resp: 806773
Ion Ratio Lower Upper
82 100
128 41.7 33.7 50.5
54 53.7 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

Tgt Ion:164 Resp: 356905
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 45.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 109.105 ng

RT: 16.027 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM035163.D

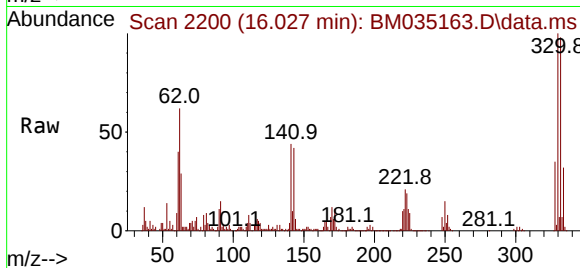
Acq: 19 May 2022 21:34

Instrument :

BNA_M

ClientSampleId :

D2321-22-SOIL



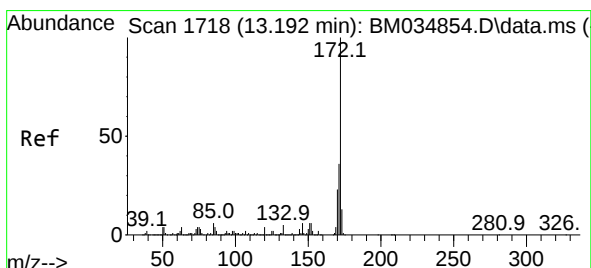
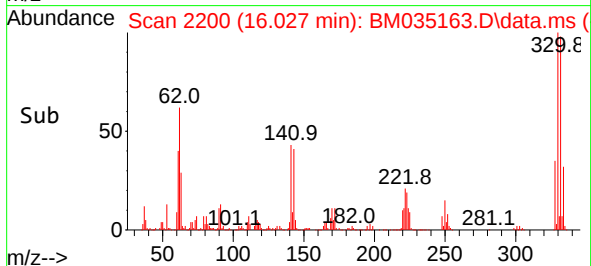
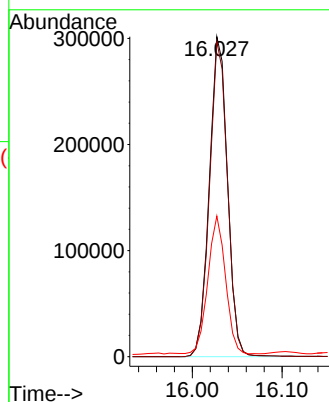
Tgt Ion:330 Resp: 423590

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.4

141 41.7 35.3 52.9



#45

2-Fluorobiphenyl

Concen: 63.793 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

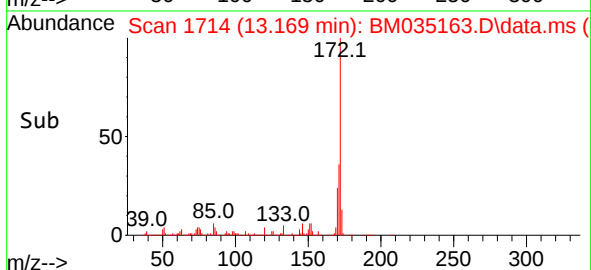
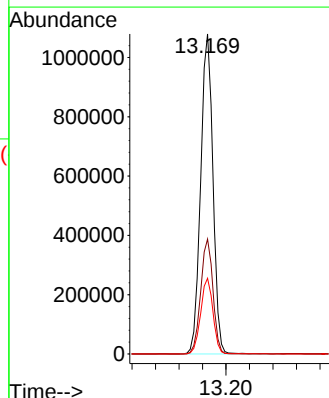
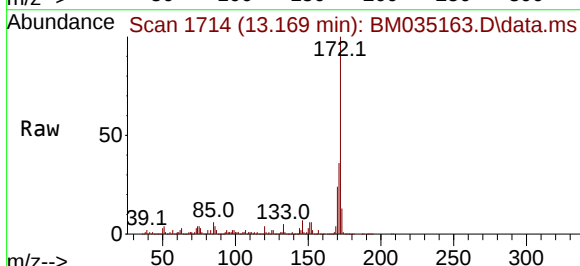
Tgt Ion:172 Resp: 1568403

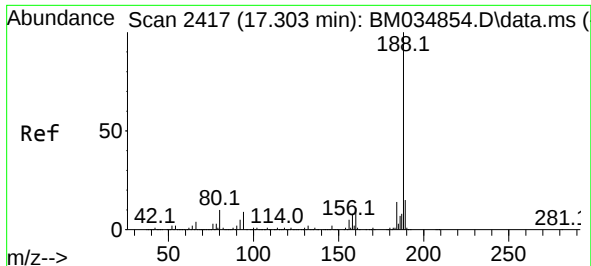
Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 23.7 18.7 28.1

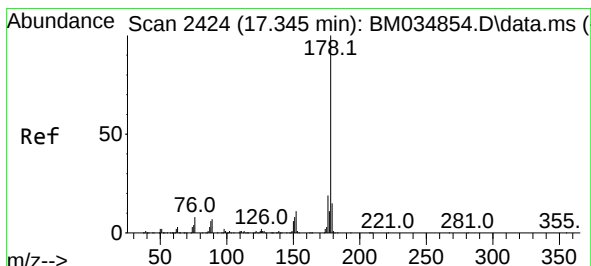
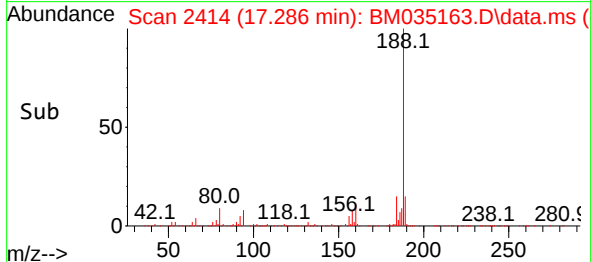
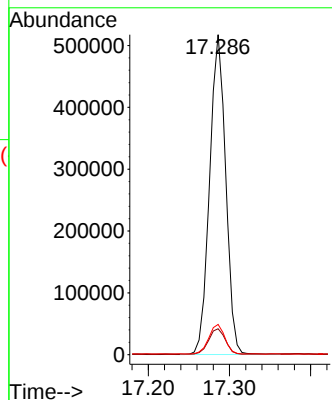
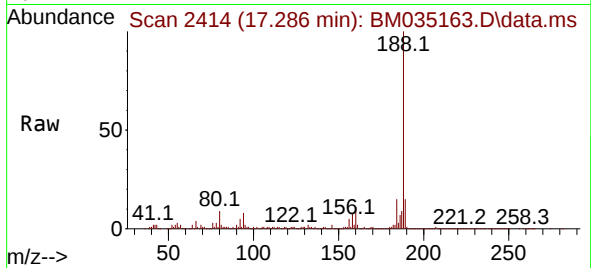




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

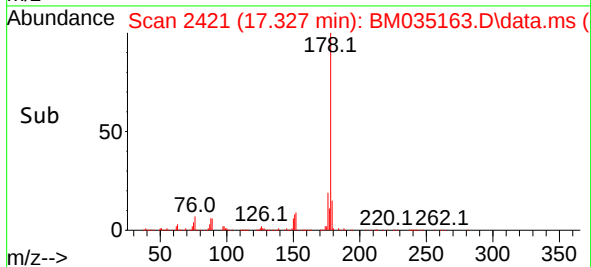
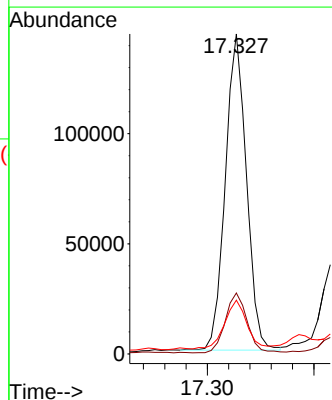
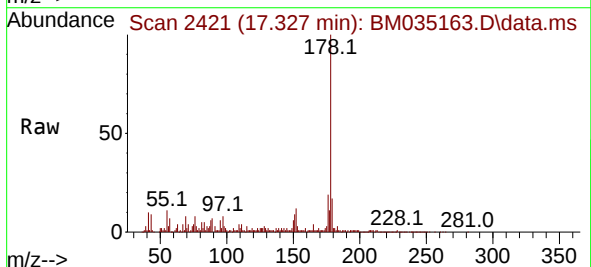
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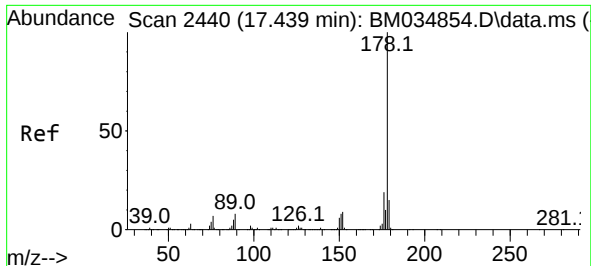
Tgt Ion:188 Resp: 712731
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 9.5 7.6 11.4



#71
Phenanthrene
Concen: 4.977 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

Tgt Ion:178 Resp: 197681
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 16.8 12.4 18.6

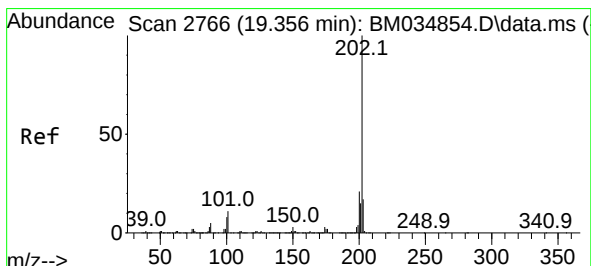
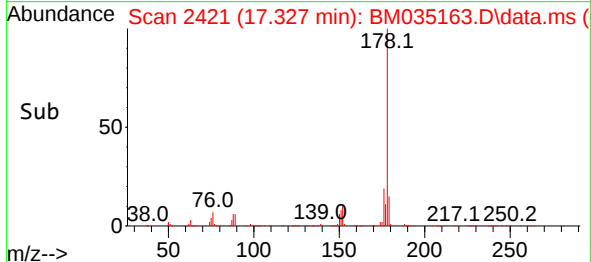
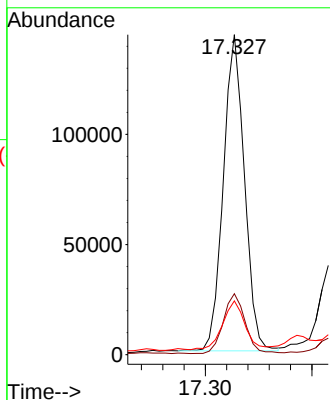
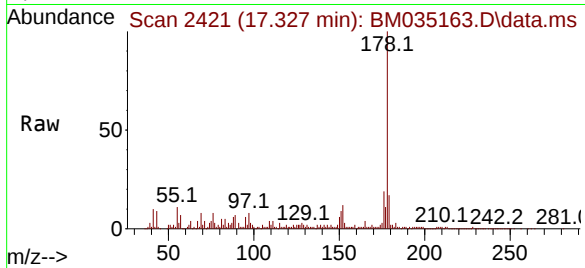




#72
 Anthracene
 Concen: 5.154 ng
 RT: 17.327 min Scan# 2440
 Delta R.T. -0.094 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

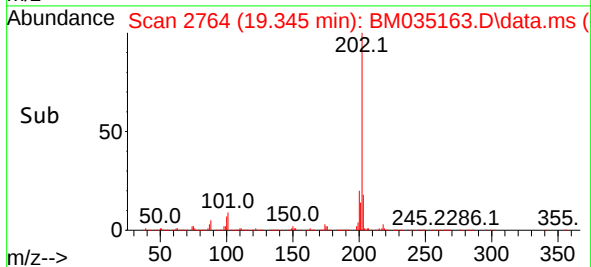
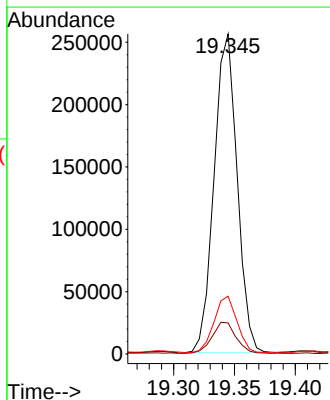
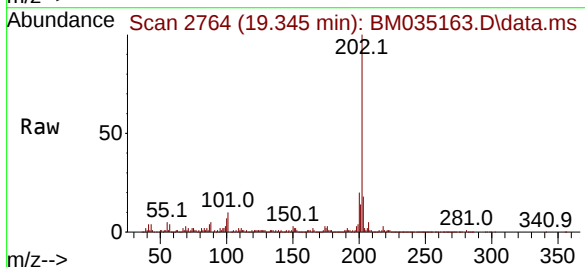
Instrument :
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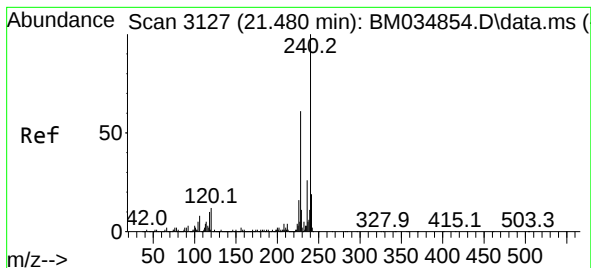
Tgt Ion:178 Resp: 197681
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.4
 179 16.8 12.2 18.2



#75
 Fluoranthene
 Concen: 7.727 ng
 RT: 19.345 min Scan# 2764
 Delta R.T. -0.000 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

Tgt Ion:202 Resp: 337025
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.6
 203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.468 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

Instrument :

BNA_M

ClientSampleId :

D2321-22-SOIL

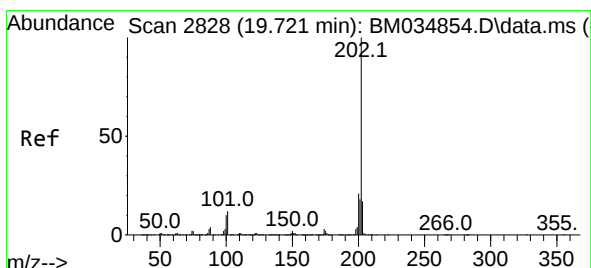
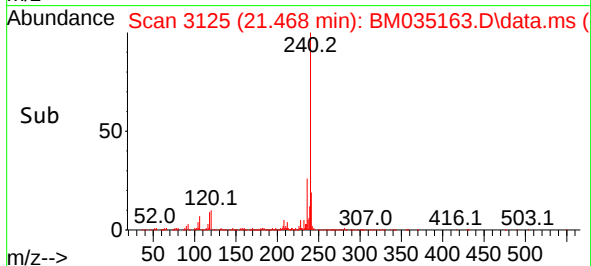
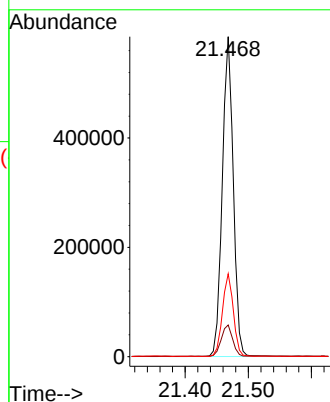
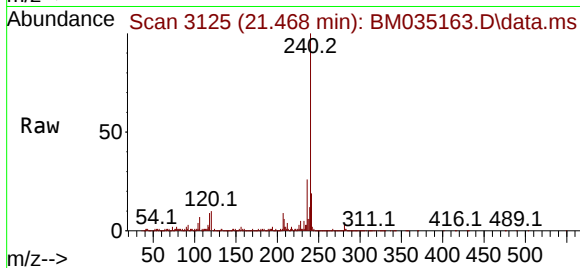
Tgt Ion:240 Resp: 704646

Ion Ratio Lower Upper

240 100

120 9.9 9.4 14.0

236 25.9 20.6 30.8



#78

Pyrene

Concen: 7.080 ng

RT: 19.703 min Scan# 2825

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

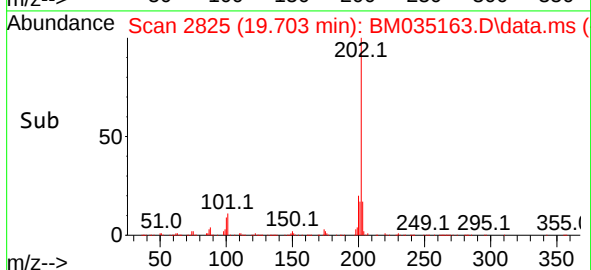
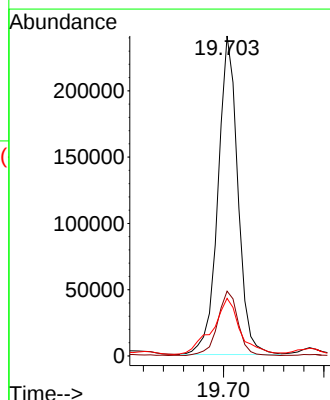
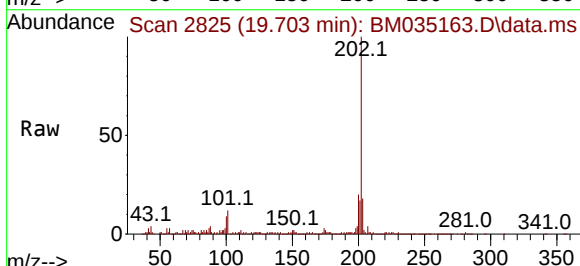
Tgt Ion:202 Resp: 329919

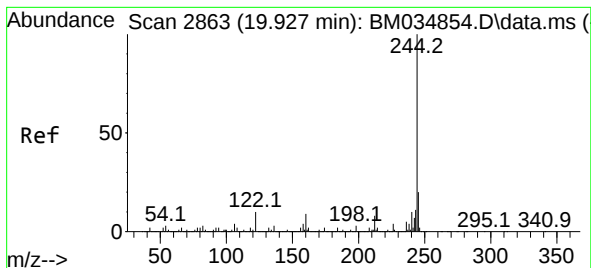
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 57.472 ng

RT: 19.909 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

Instrument :

BNA_M

ClientSampleId :

D2321-22-SOIL

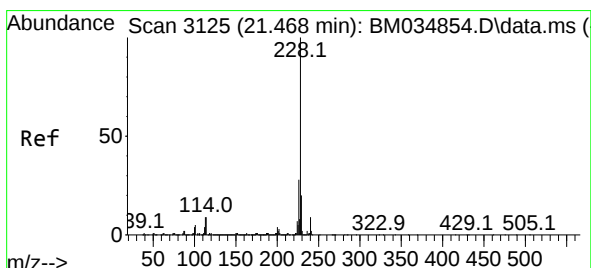
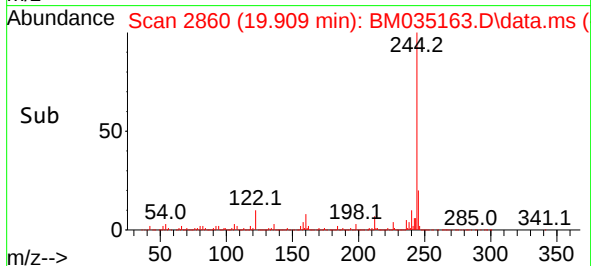
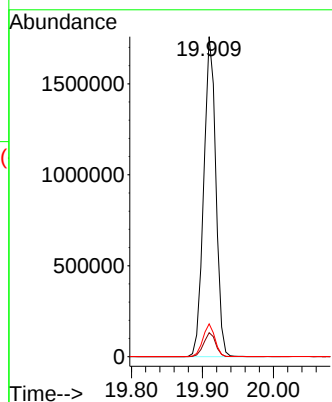
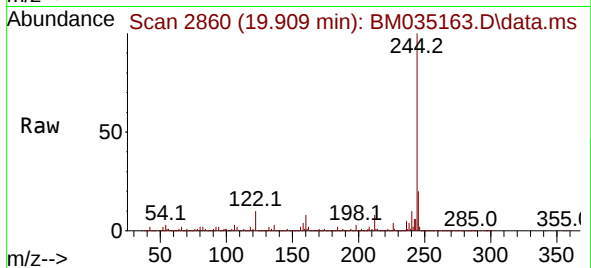
Tgt Ion:244 Resp: 2091596

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 10.2 8.3 12.5



#81

Benzo(a)anthracene

Concen: 3.891 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

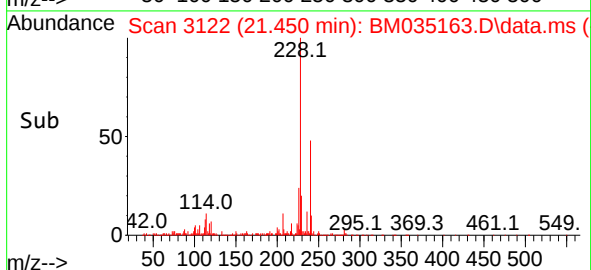
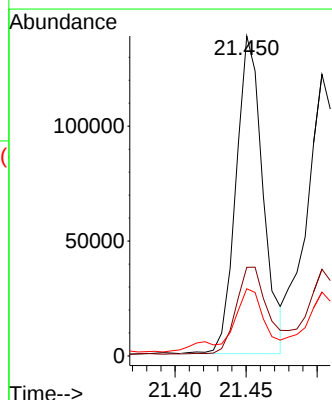
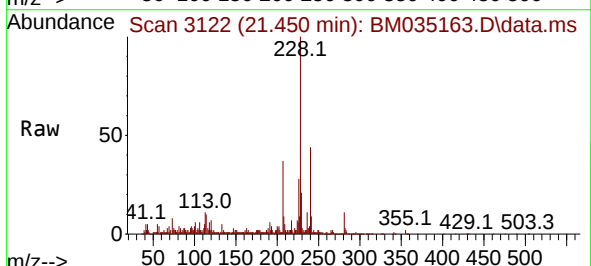
Tgt Ion:228 Resp: 182940

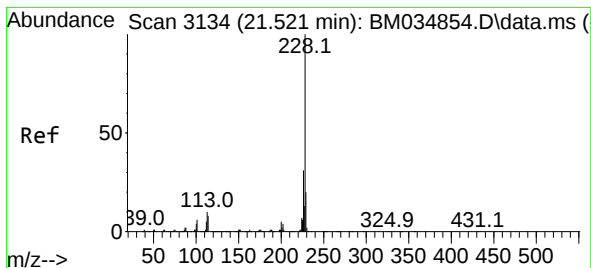
Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

229 21.0 15.8 23.6





#83

Chrysene

Concen: 4.053 ng

RT: 21.503 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

Instrument :

BNA_M

ClientSampleId :

D2321-22-SOIL

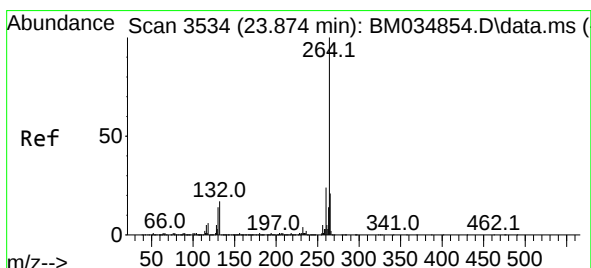
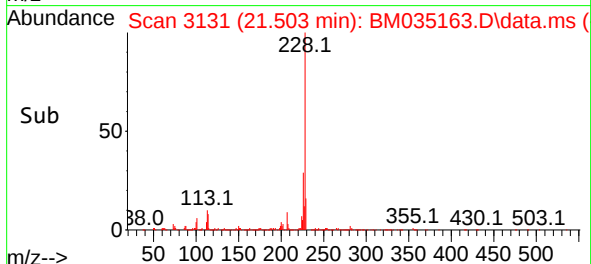
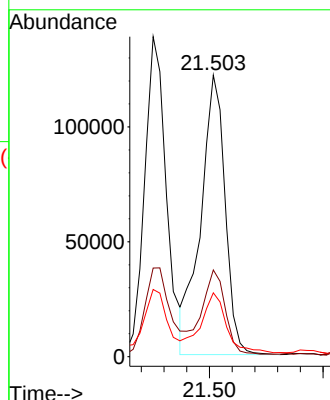
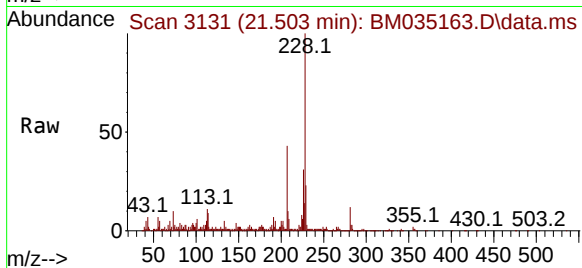
Tgt Ion:228 Resp: 182032

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 22.7 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.850 min Scan# 3530

Delta R.T. -0.006 min

Lab File: BM035163.D

Acq: 19 May 2022 21:34

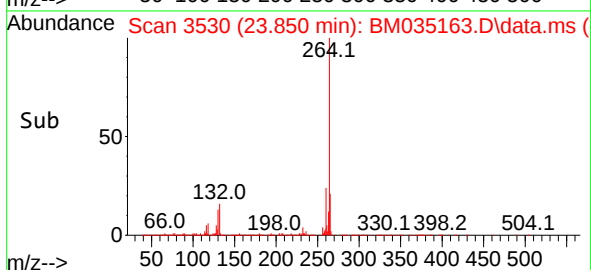
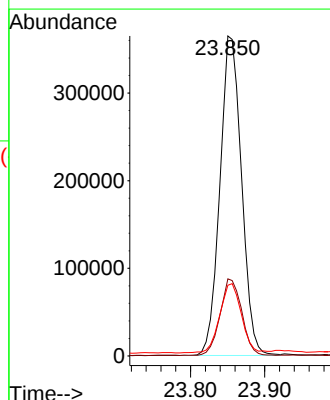
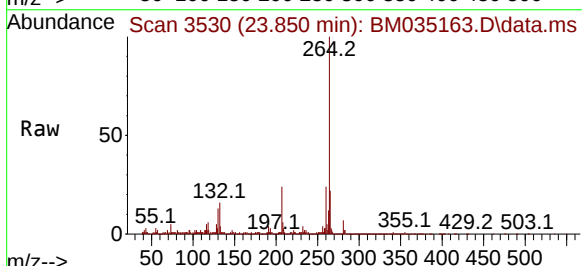
Tgt Ion:264 Resp: 738679

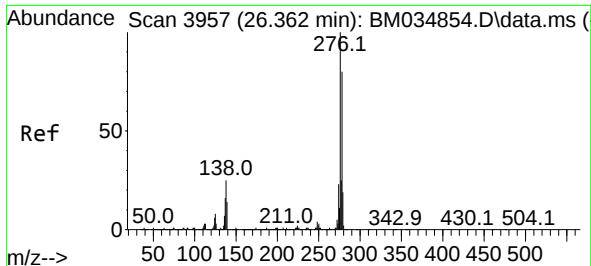
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 22.1 17.5 26.3

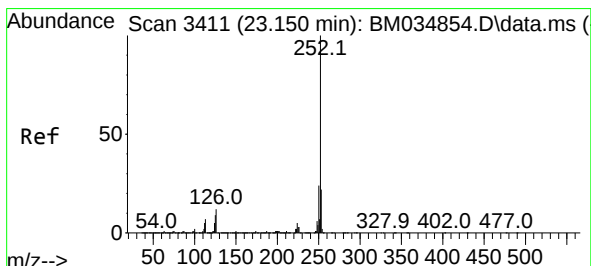
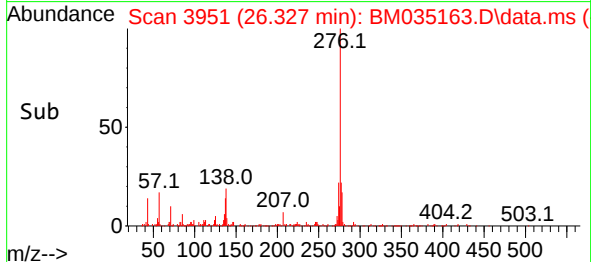
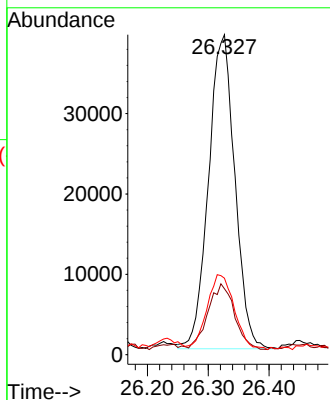
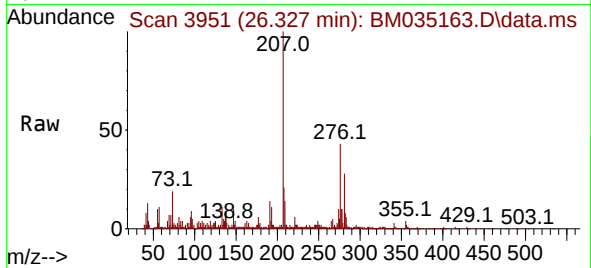




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.090 ng
 RT: 26.327 min Scan# 3408
 Delta R.T. -0.006 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

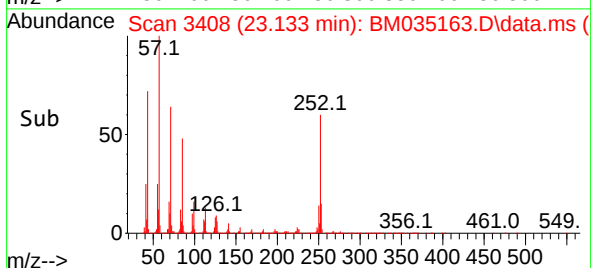
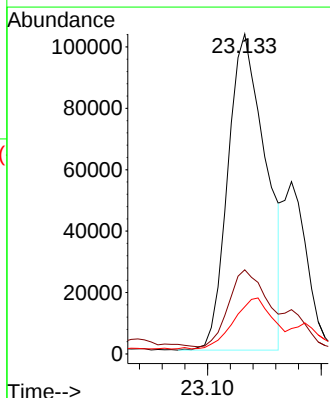
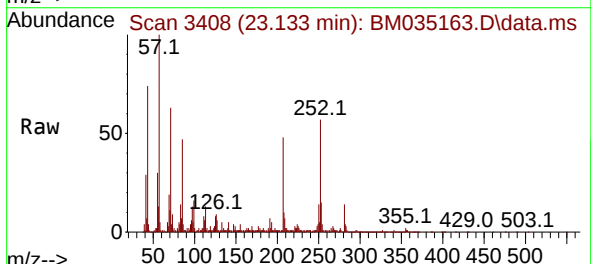
Instrument :
 BNA_M
 ClientSampleId :
 D2321-22-SOIL

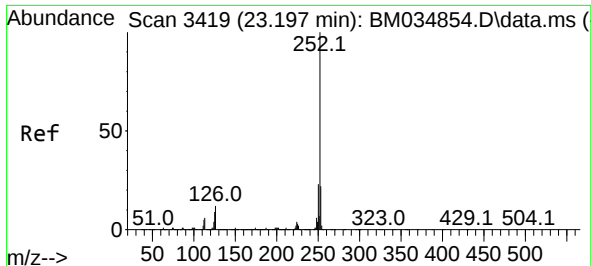
Tgt Ion:276 Resp: 117372
 Ion Ratio Lower Upper
 276 100
 138 21.3 20.2 30.4
 277 24.6 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 5.163 ng
 RT: 23.133 min Scan# 3408
 Delta R.T. -0.000 min
 Lab File: BM035163.D
 Acq: 19 May 2022 21:34

Tgt Ion:252 Resp: 239871
 Ion Ratio Lower Upper
 252 100
 253 26.3 17.6 26.4
 125 14.8 7.6 11.4#

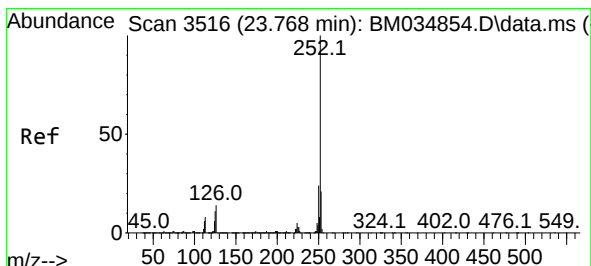
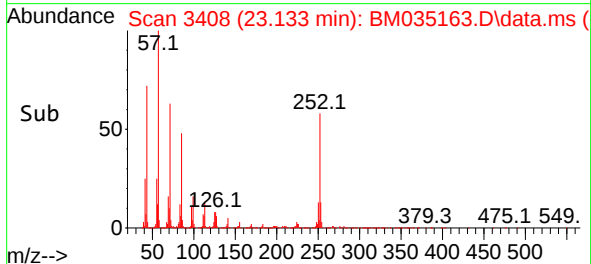
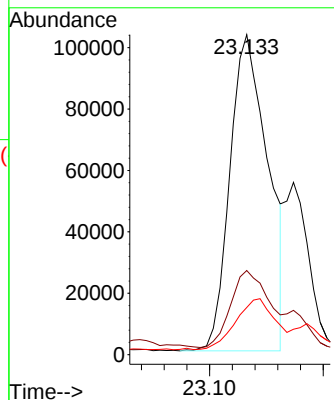
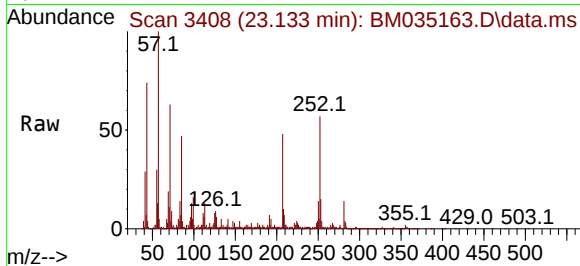




#89
Benzo(k)fluoranthene
Concen: 5.100 ng
RT: 23.133 min Scan# 3419
Delta R.T. -0.047 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

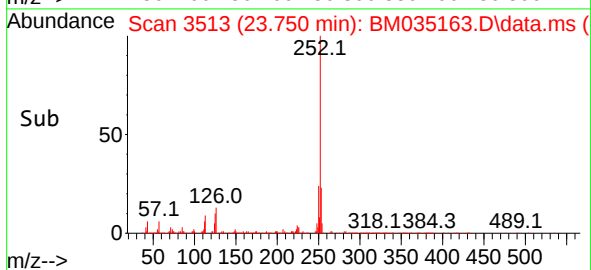
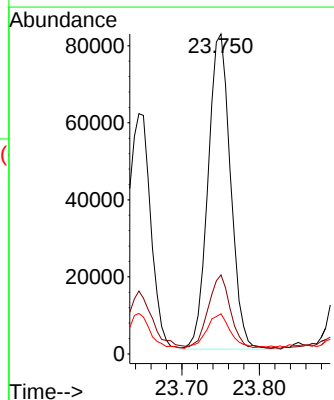
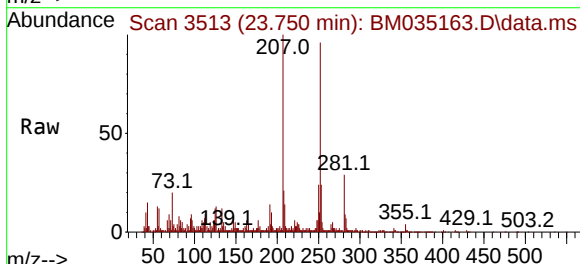
Instrument :
BNA_M
ClientSampleId :
D2321-22-SOIL

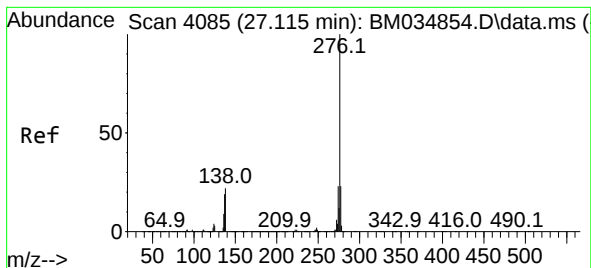
Tgt Ion:252 Resp: 239871
Ion Ratio Lower Upper
252 100
253 26.3 17.5 26.3#
125 14.8 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 4.285 ng
RT: 23.750 min Scan# 3513
Delta R.T. -0.000 min
Lab File: BM035163.D
Acq: 19 May 2022 21:34

Tgt Ion:252 Resp: 165379
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 12.6 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 2.602 ng

RT: 27.085 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM035163.D

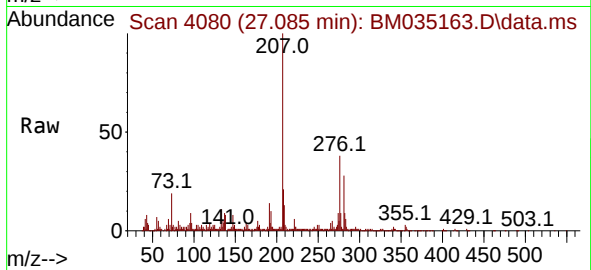
Acq: 19 May 2022 21:34

Instrument :

BNA_M

ClientSampleId :

D2321-22-SOIL



Tgt Ion:276 Resp: 117776

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 20.7 17.6 26.4

