

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035164.D
 Acq On : 19 May 2022 22:11
 Operator : CG/JU
 Sample : N2889-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RO-211-051-SOIL

Quant Time: May 20 04:57:01 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)

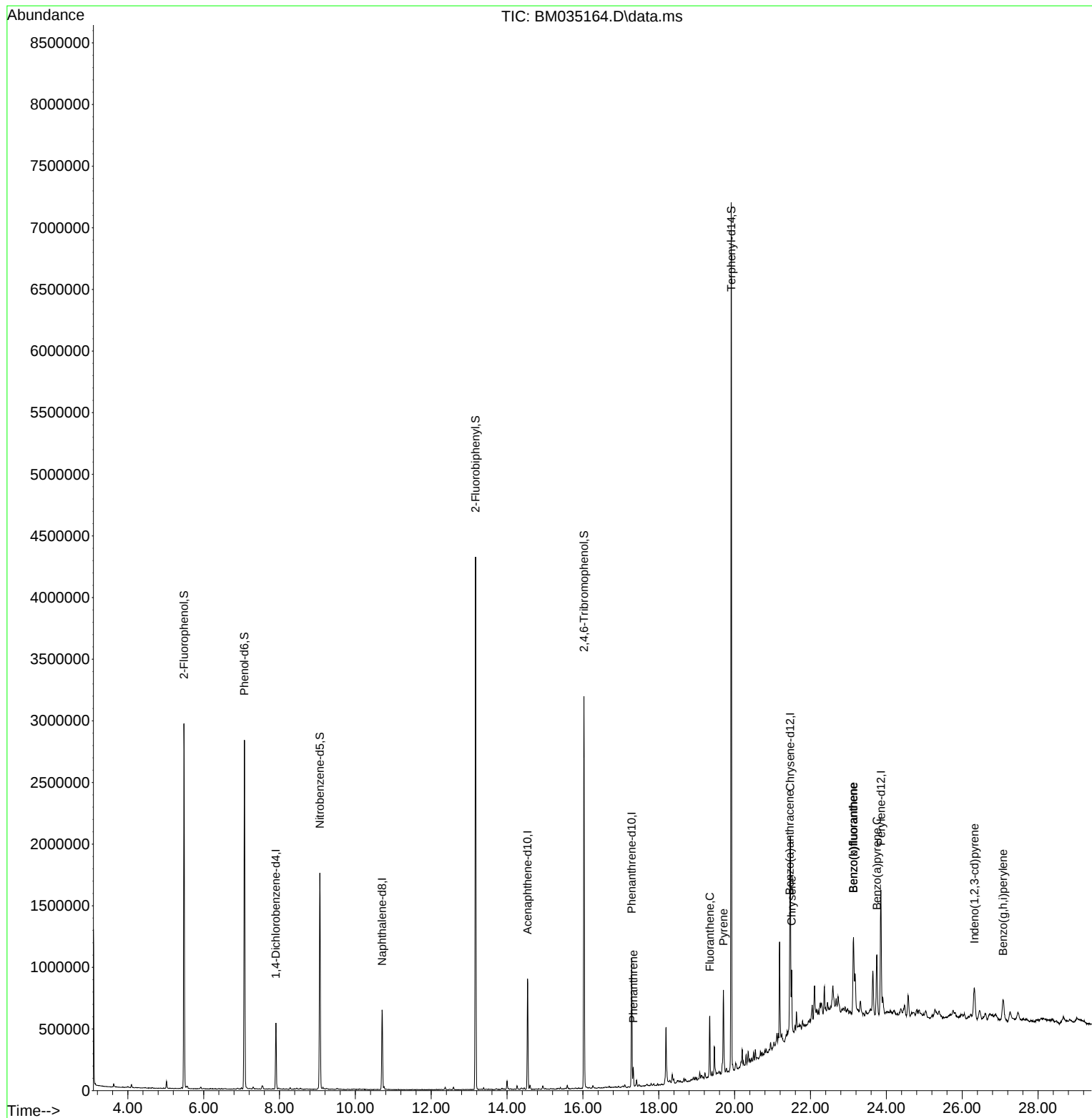
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	139042	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	521196	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	300949	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	610558	20.000	ng	0.00
76) Chrysene-d12	21.468	240	659627	20.000	ng	# 0.00
86) Perylene-d12	23.856	264	731708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1144409	145.207	ng	0.00
7) Phenol-d6	7.075	99	1433193	140.865	ng	0.00
23) Nitrobenzene-d5	9.063	82	948481	98.273	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	524010	160.066	ng	0.00
45) 2-Fluorobiphenyl	13.168	172	2079442	100.305	ng	0.00
79) Terphenyl-d14	19.909	244	3181446	93.385	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.327	178	89521	2.631	ng	99
75) Fluoranthene	19.345	202	275364	7.370	ng	98
78) Pyrene	19.703	202	400734	9.187	ng	100
81) Benzo(a)anthracene	21.450	228	277280	6.300	ng	96
83) Chrysene	21.503	228	282293	6.715	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	229884	4.132	ng	95
88) Benzo(b)fluoranthene	23.133	252	507997	11.038	ng	99
89) Benzo(k)fluoranthene	23.133	252	507997	10.904	ng	98
90) Benzo(a)pyrene	23.750	252	350082	9.156	ng	98
92) Benzo(g,h,i)perylene	27.079	276	217819	4.858	ng	96

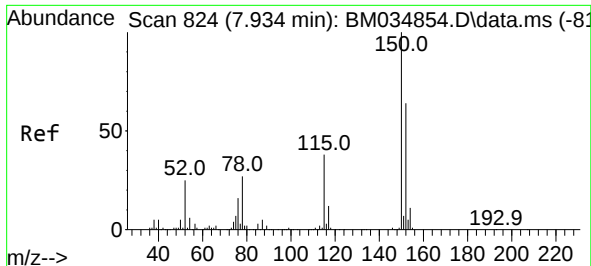
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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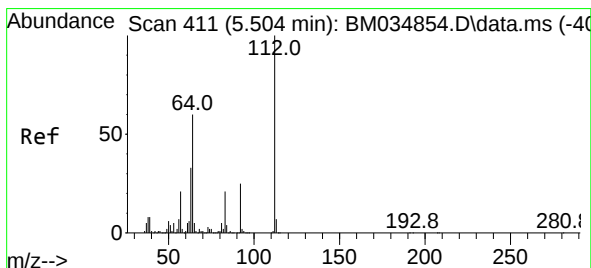
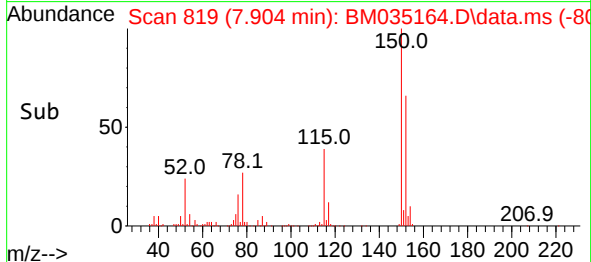
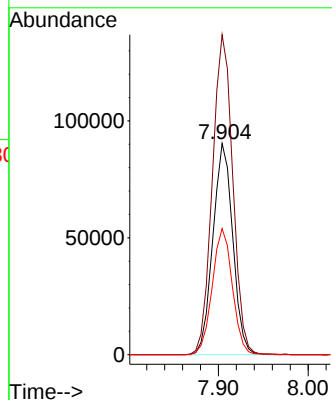
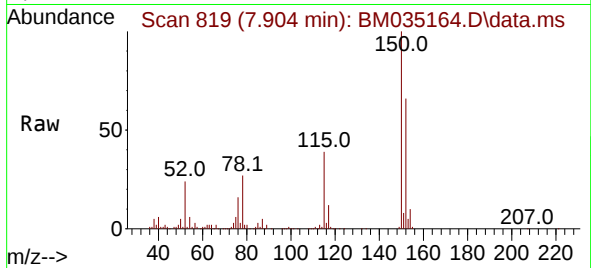




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

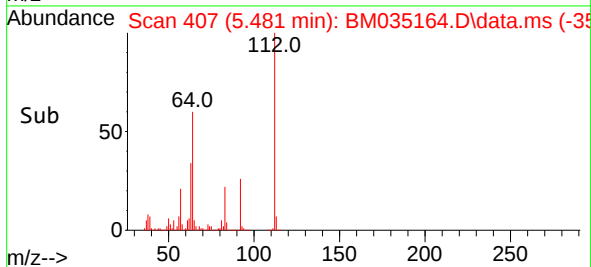
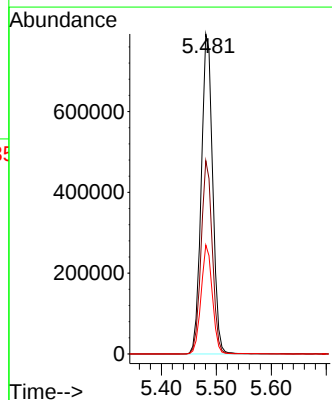
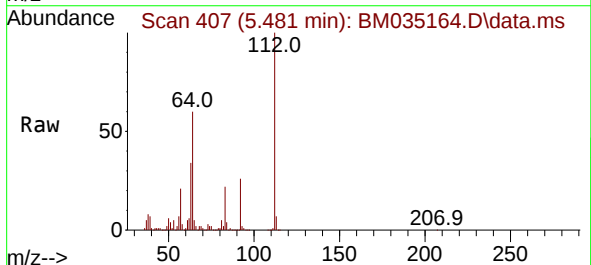
Instrument :
BNA_M
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RO-211-051-SOIL

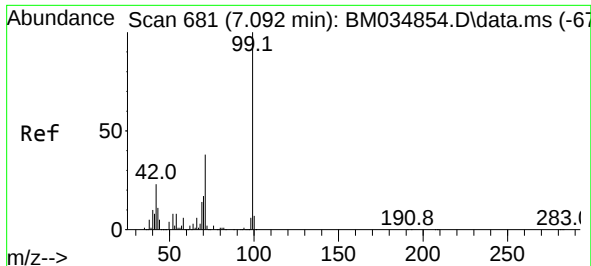
Tgt Ion:152 Resp: 139042
Ion Ratio Lower Upper
152 100
150 151.5 124.9 187.3
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 145.207 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:112 Resp: 1144409
Ion Ratio Lower Upper
112 100
64 60.4 47.8 71.6
63 34.0 26.6 40.0

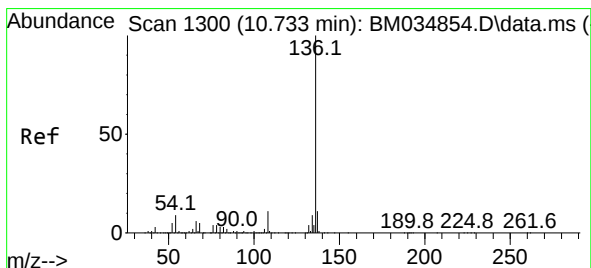
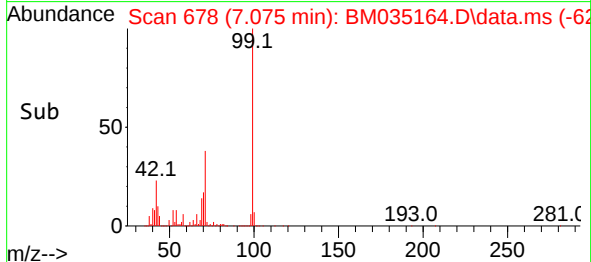
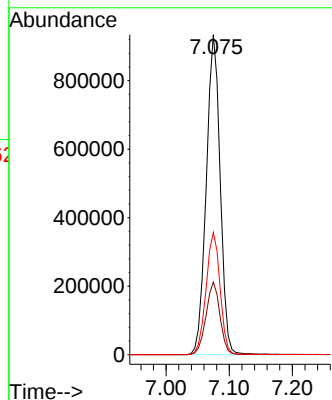
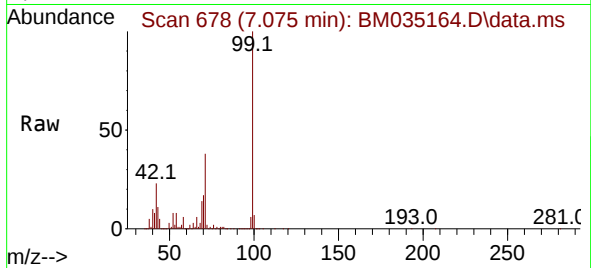




#7
Phenol-d6
Concen: 140.865 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

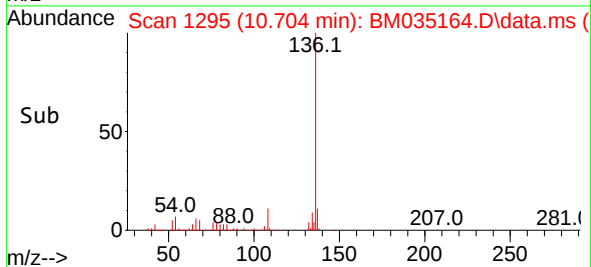
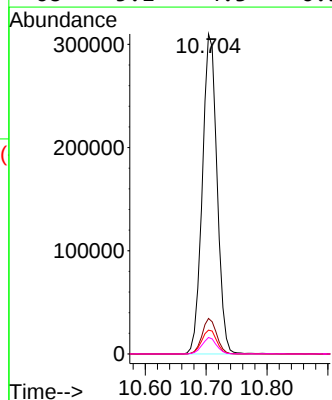
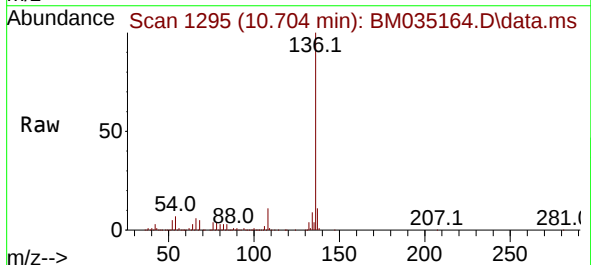
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL

Tgt Ion: 99 Resp: 1433193
Ion Ratio Lower Upper
99 100
42 22.7 18.8 28.2
71 38.2 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: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion: 136 Resp: 521196
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 7.0 10.4
68 5.1 4.3 6.5

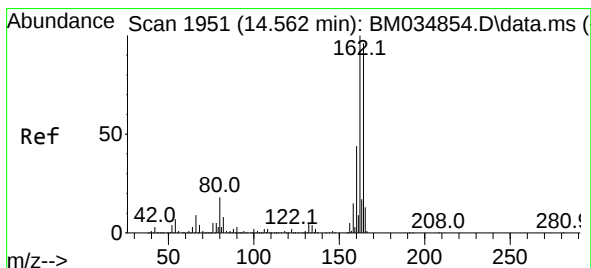
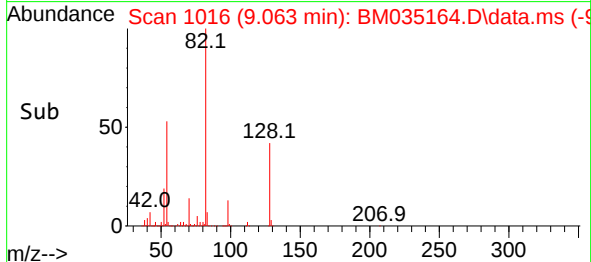
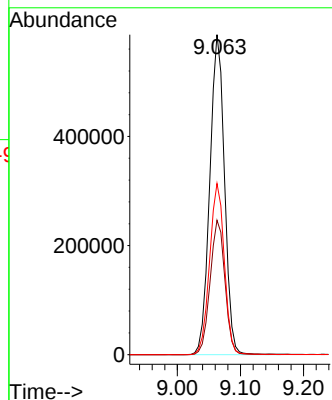
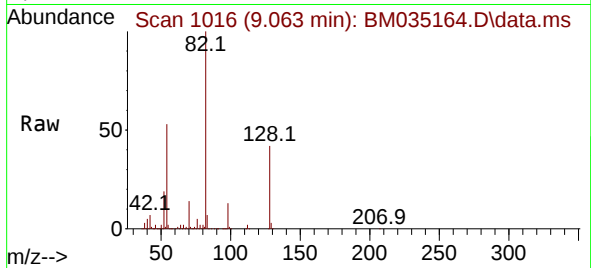




#23
Nitrobenzene-d5
Concen: 98.273 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

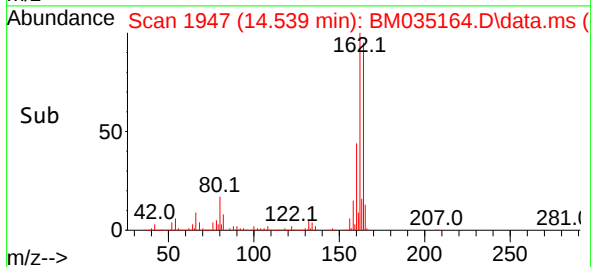
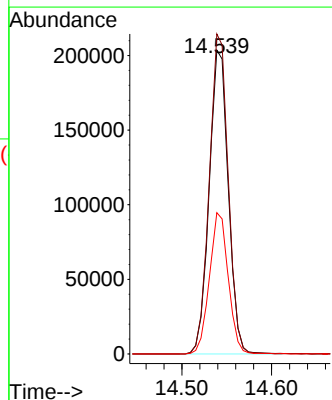
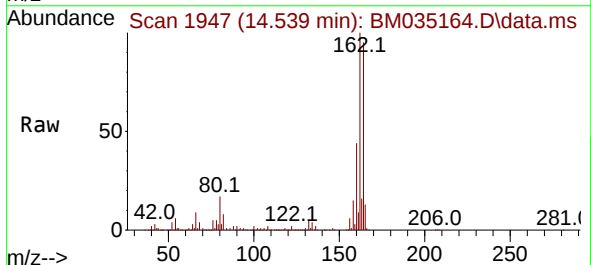
Instrument :
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ClientSampleId :
RO-211-051-SOIL

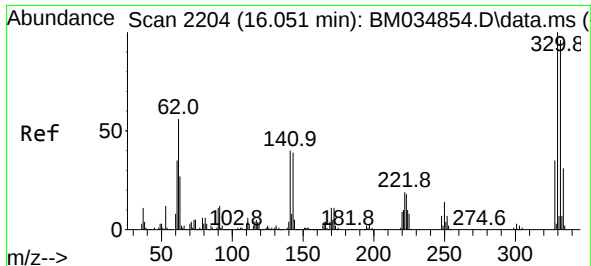
Tgt Ion: 82 Resp: 948481
Ion Ratio Lower Upper
82 100
128 42.0 33.7 50.5
54 53.5 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion: 164 Resp: 300949
Ion Ratio Lower Upper
164 100
162 105.3 83.0 124.6
160 46.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 160.066 ng

RT: 16.027 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

Instrument :

BNA_M

ClientSampleId :

RO-211-051-SOIL

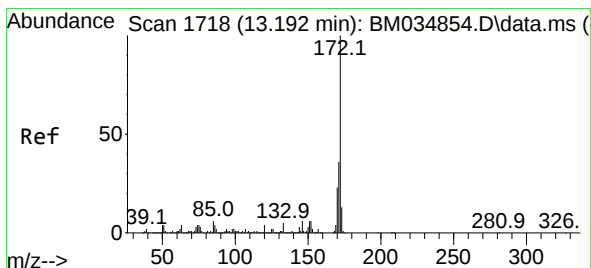
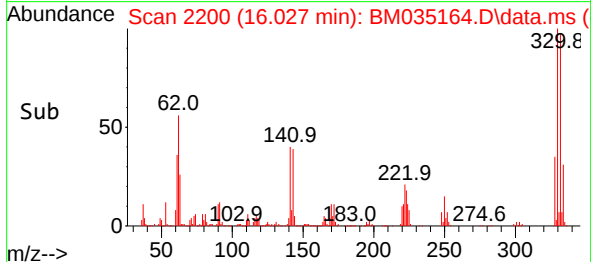
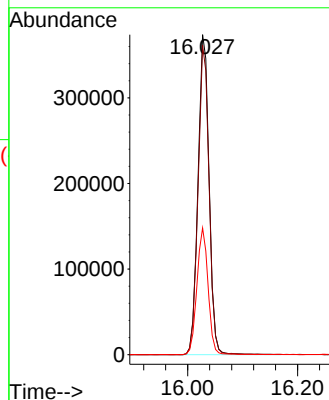
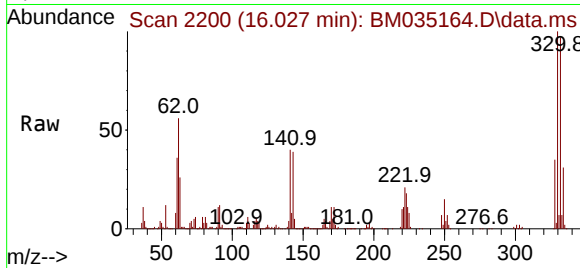
Tgt Ion:330 Resp: 524010

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.4

141 39.9 35.3 52.9



#45

2-Fluorobiphenyl

Concen: 100.305 ng

RT: 13.168 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

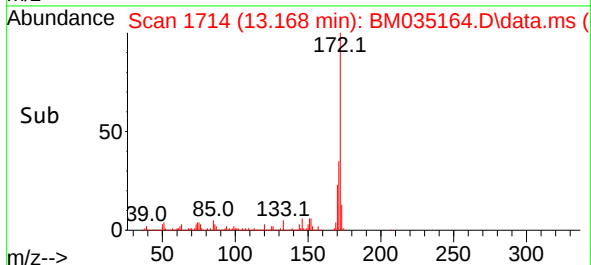
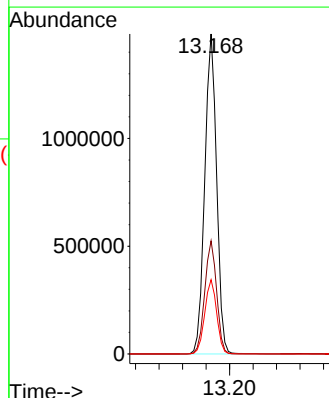
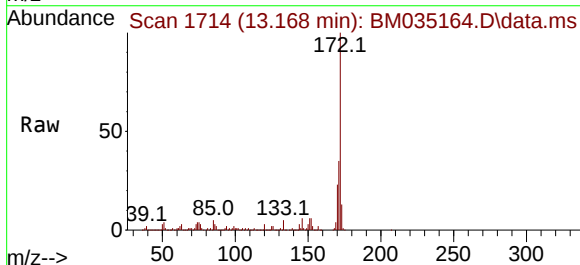
Tgt Ion:172 Resp: 2079442

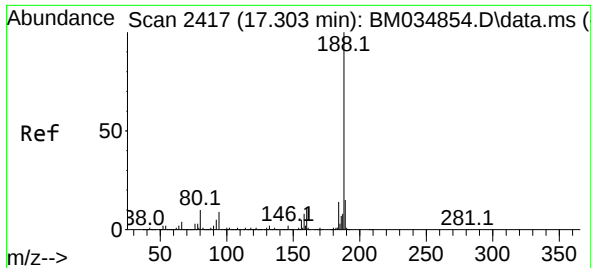
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.2 18.7 28.1

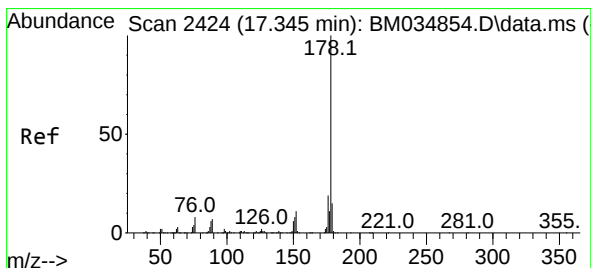
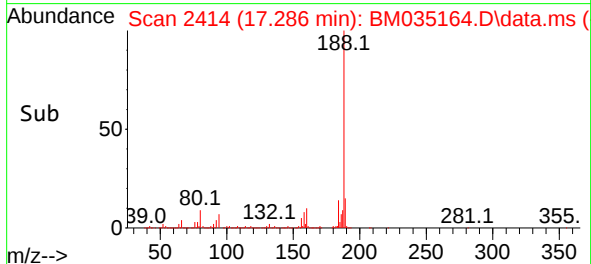
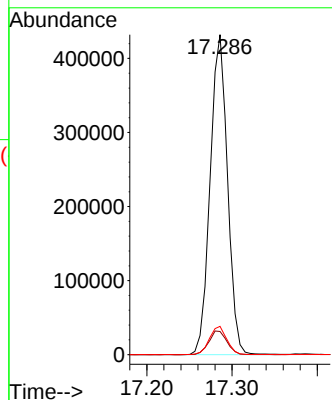
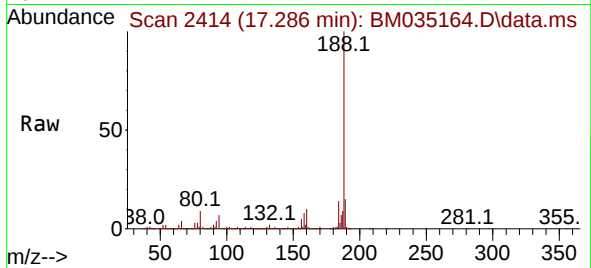




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

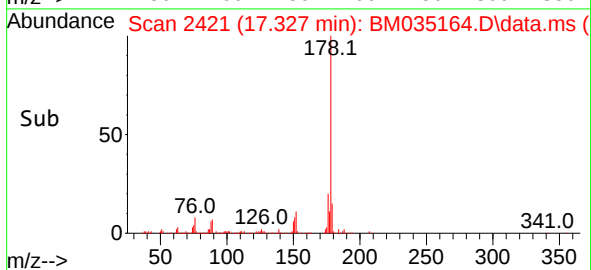
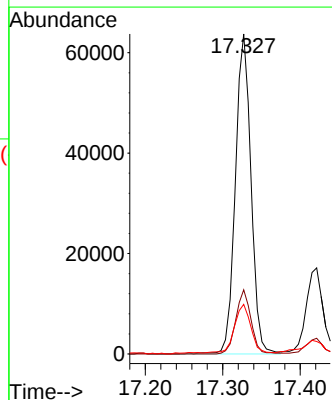
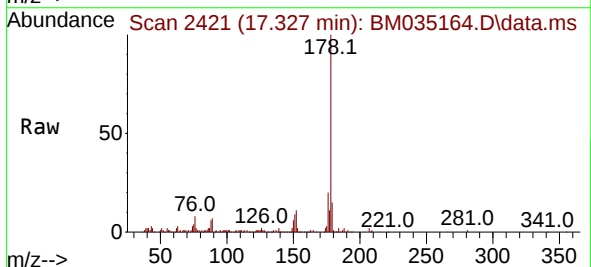
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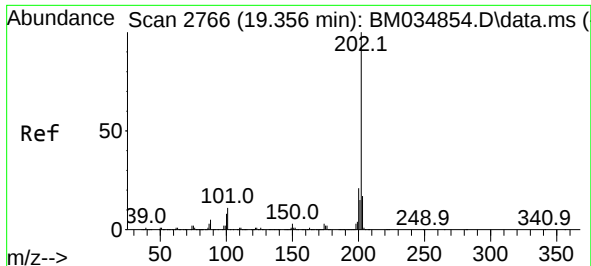
Tgt Ion:188 Resp: 610558
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.4
80 8.9 7.6 11.4



#71
Phenanthrene
Concen: 2.631 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:178 Resp: 89521
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.5 12.4 18.6

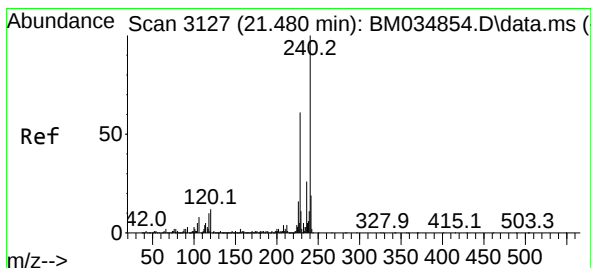
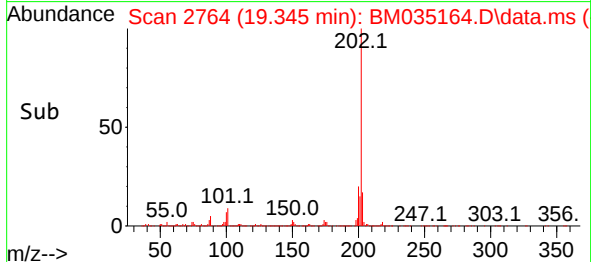
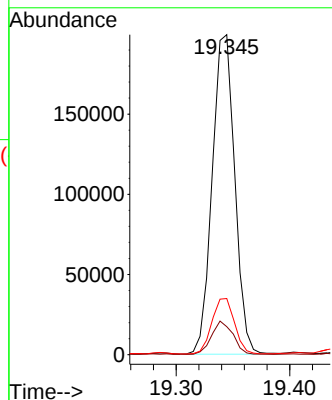
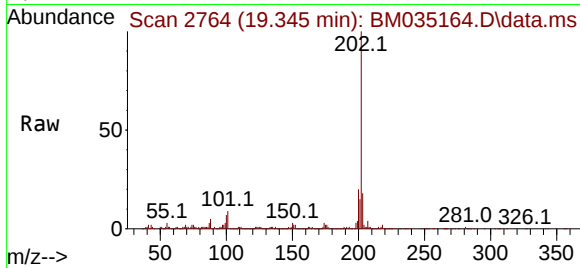




#75
Fluoranthene
Concen: 7.370 ng
RT: 19.345 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

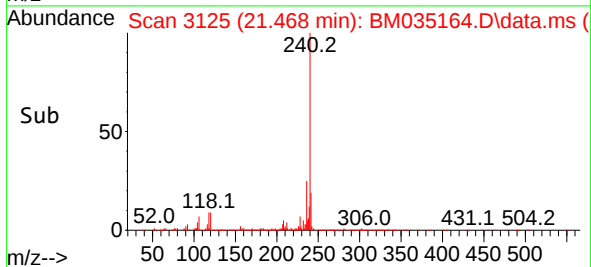
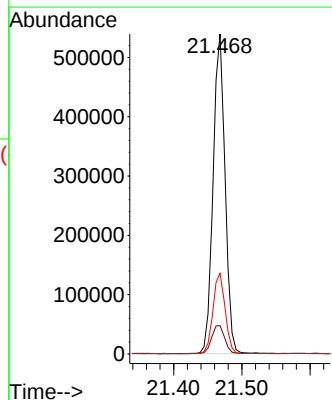
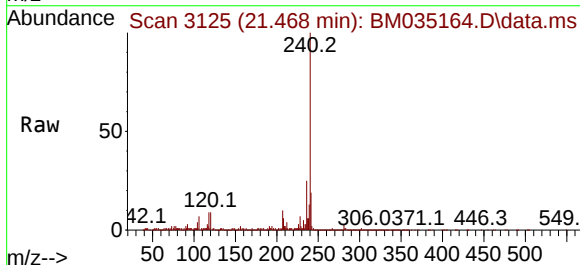
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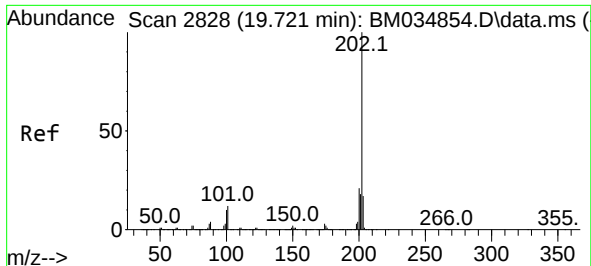
Tgt Ion:202 Resp: 275364
Ion Ratio Lower Upper
202 100
101 8.8 0.0 30.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:240 Resp: 659627
Ion Ratio Lower Upper
240 100
120 8.9 9.4 14.0#
236 25.2 20.6 30.8

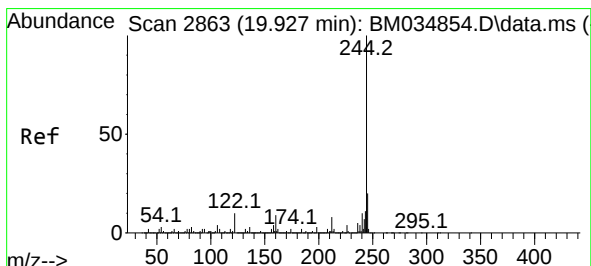
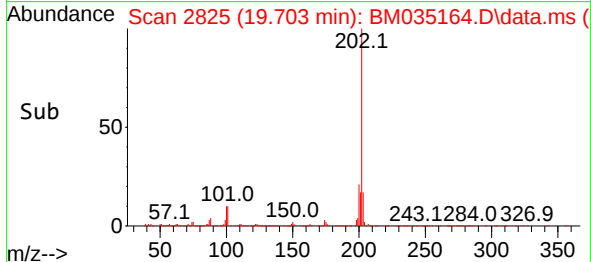
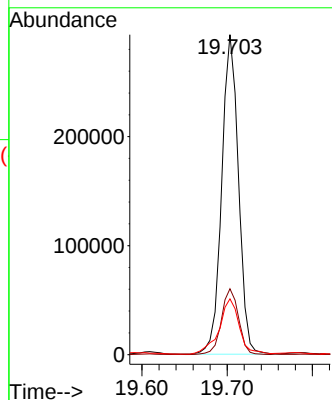
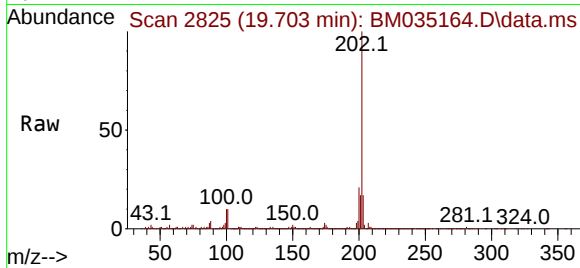




#78
 Pyrene
 Concen: 9.187 ng
 RT: 19.703 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035164.D
 Acq: 19 May 2022 22:11

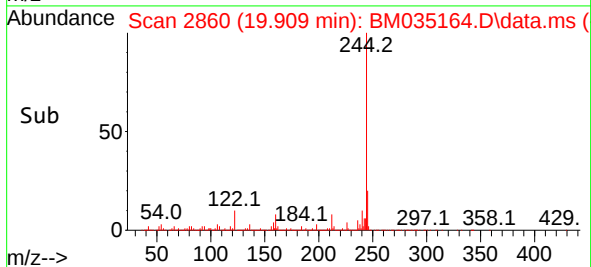
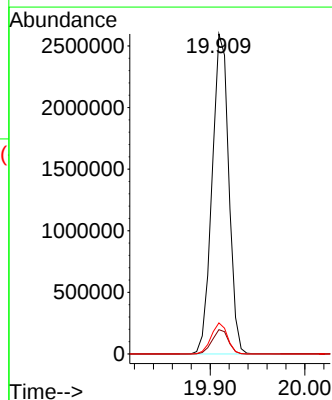
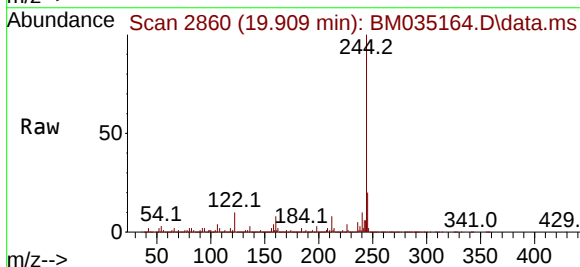
Instrument :
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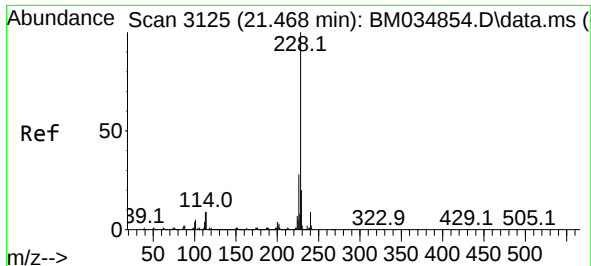
Tgt Ion:202 Resp: 400734
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.7 25.1
 203 17.5 13.9 20.9



#79
 Terphenyl-d14
 Concen: 93.385 ng
 RT: 19.909 min Scan# 2860
 Delta R.T. -0.006 min
 Lab File: BM035164.D
 Acq: 19 May 2022 22:11

Tgt Ion:244 Resp: 3181446
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 9.7 8.3 12.5

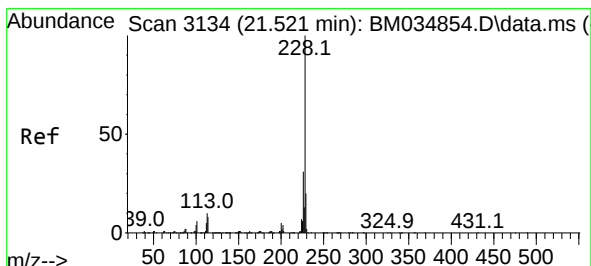
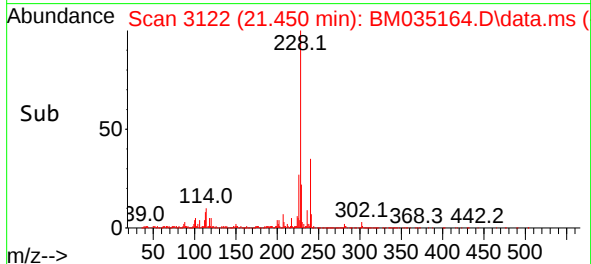
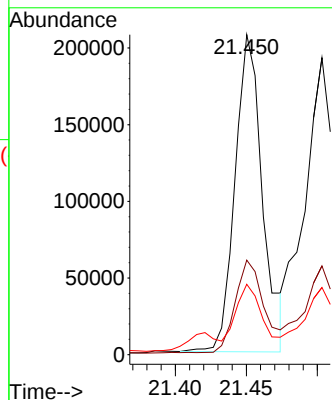
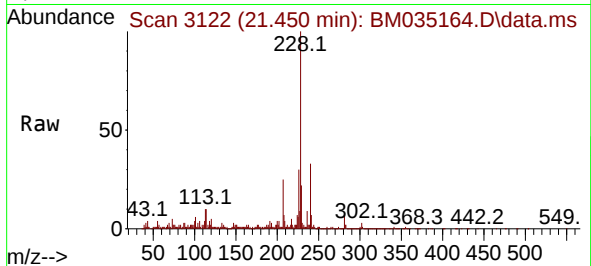




#81
Benzo(a)anthracene
Concen: 6.300 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

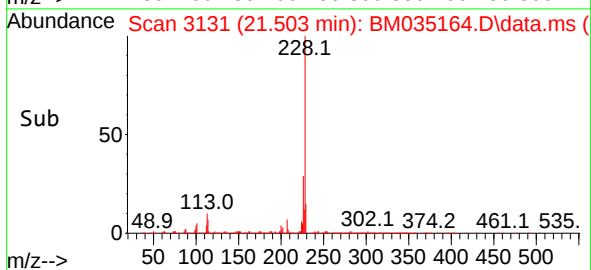
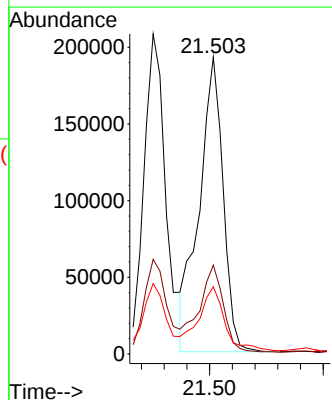
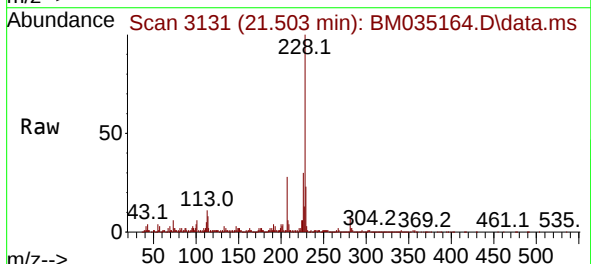
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL

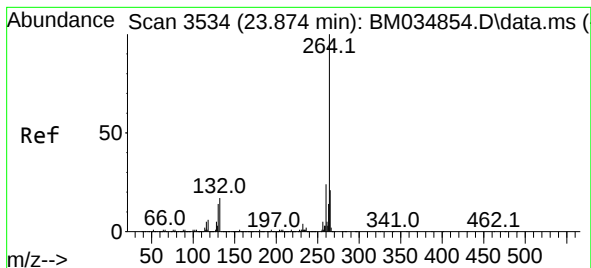
Tgt Ion:228 Resp: 277280
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 22.0 15.8 23.6



#83
Chrysene
Concen: 6.715 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:228 Resp: 282293
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

Instrument :

BNA_M

ClientSampleId :

RO-211-051-SOIL

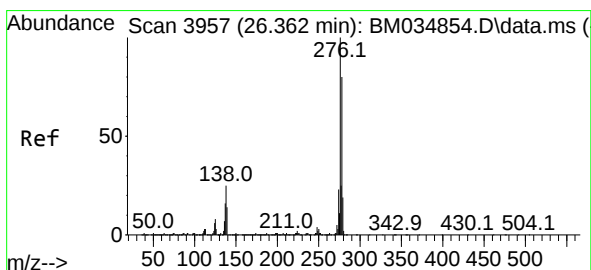
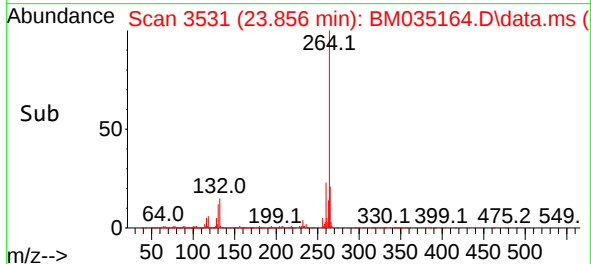
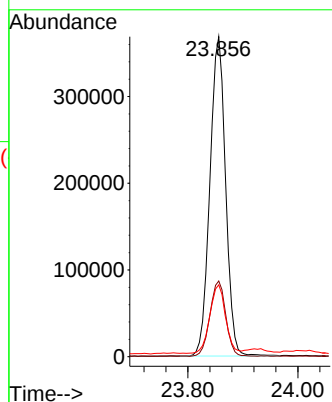
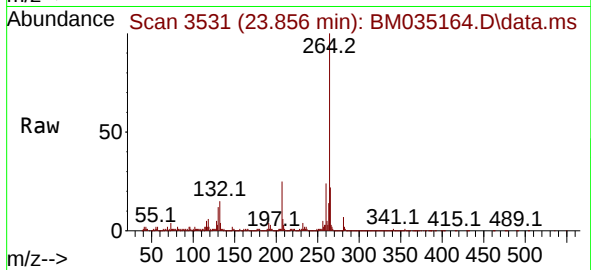
Tgt Ion:264 Resp: 731708

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.132 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.012 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

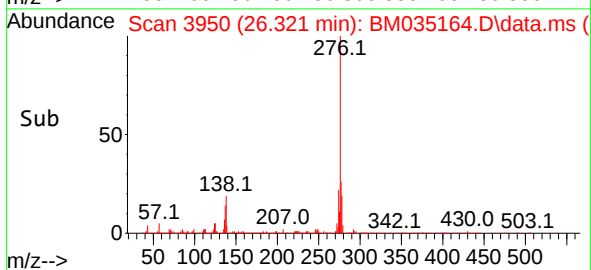
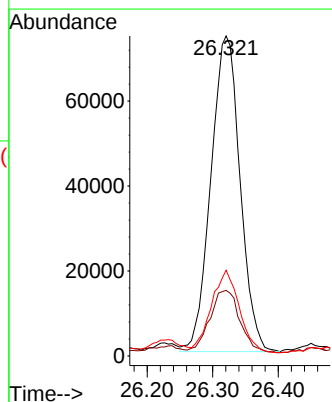
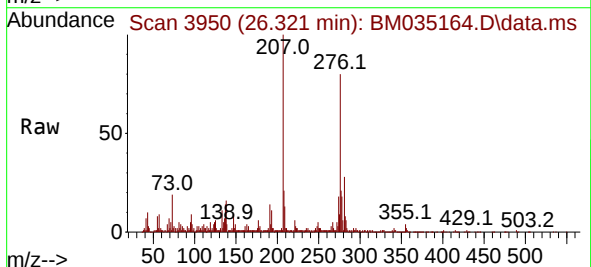
Tgt Ion:276 Resp: 229884

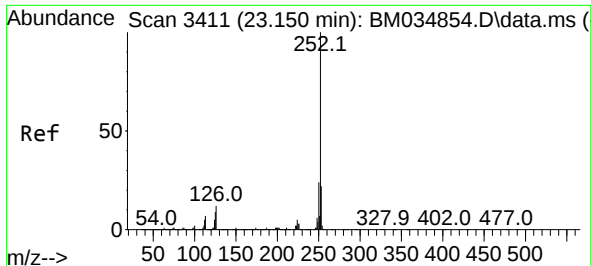
Ion Ratio Lower Upper

276 100

138 20.5 20.2 30.4

277 24.8 20.2 30.2

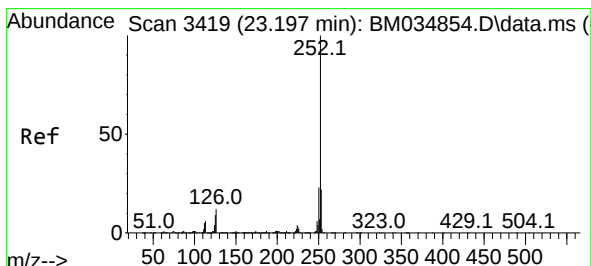
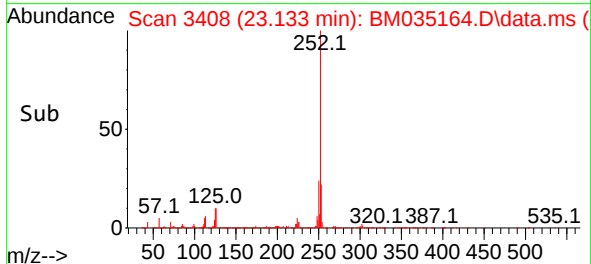
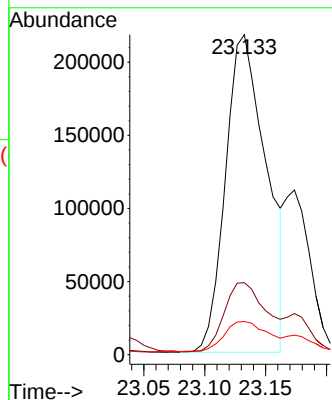
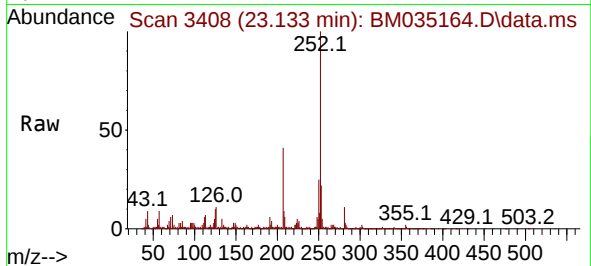




#88
Benzo(b)fluoranthene
Concen: 11.038 ng
RT: 23.133 min Scan# 3411
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

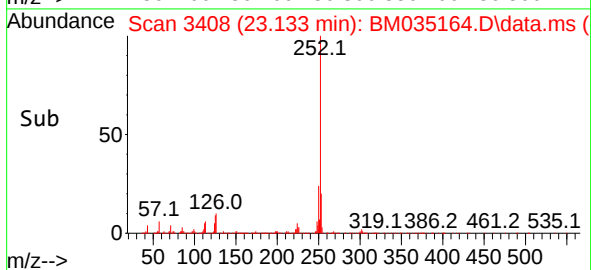
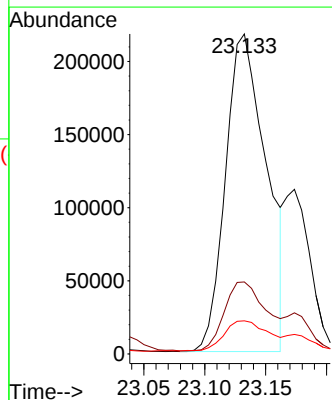
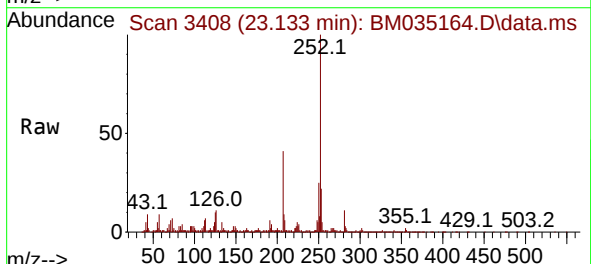
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL

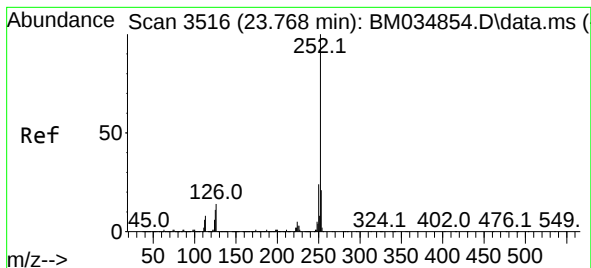
Tgt Ion:252 Resp: 507997
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.3 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 10.904 ng
RT: 23.133 min Scan# 3408
Delta R.T. -0.047 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:252 Resp: 507997
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.3 7.6 11.4





#90

Benzo(a)pyrene

Concen: 9.156 ng

RT: 23.750 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

Instrument :

BNA_M

ClientSampleId :

RO-211-051-SOIL

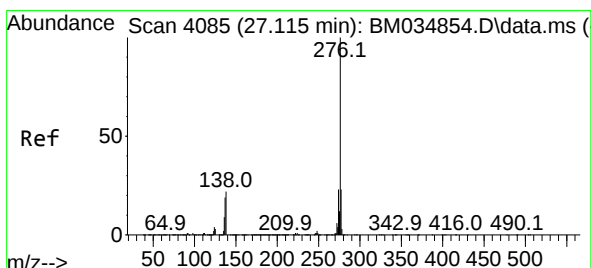
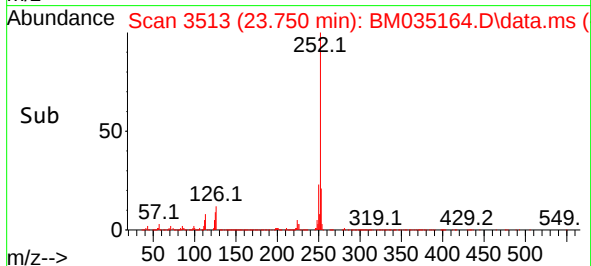
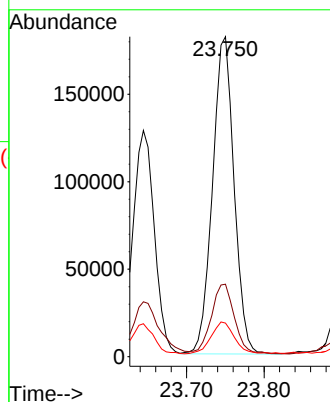
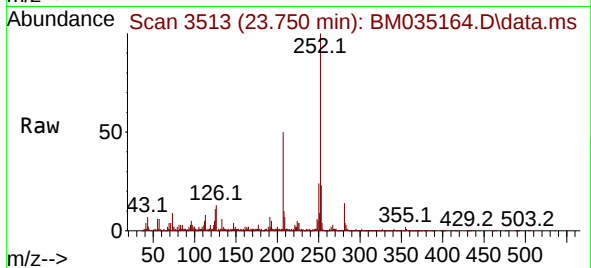
Tgt Ion:252 Resp: 350082

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.5 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 4.858 ng

RT: 27.079 min Scan# 4079

Delta R.T. -0.012 min

Lab File: BM035164.D

Acq: 19 May 2022 22:11

Tgt Ion:276 Resp: 217819

Ion Ratio Lower Upper

276 100

277 25.6 18.7 28.1

138 20.8 17.6 26.4

