

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/20/2022
 Supervised By : Jagrut Upadhyay 05/20/2022

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	23.174	252	159586m	3.426	ng	
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

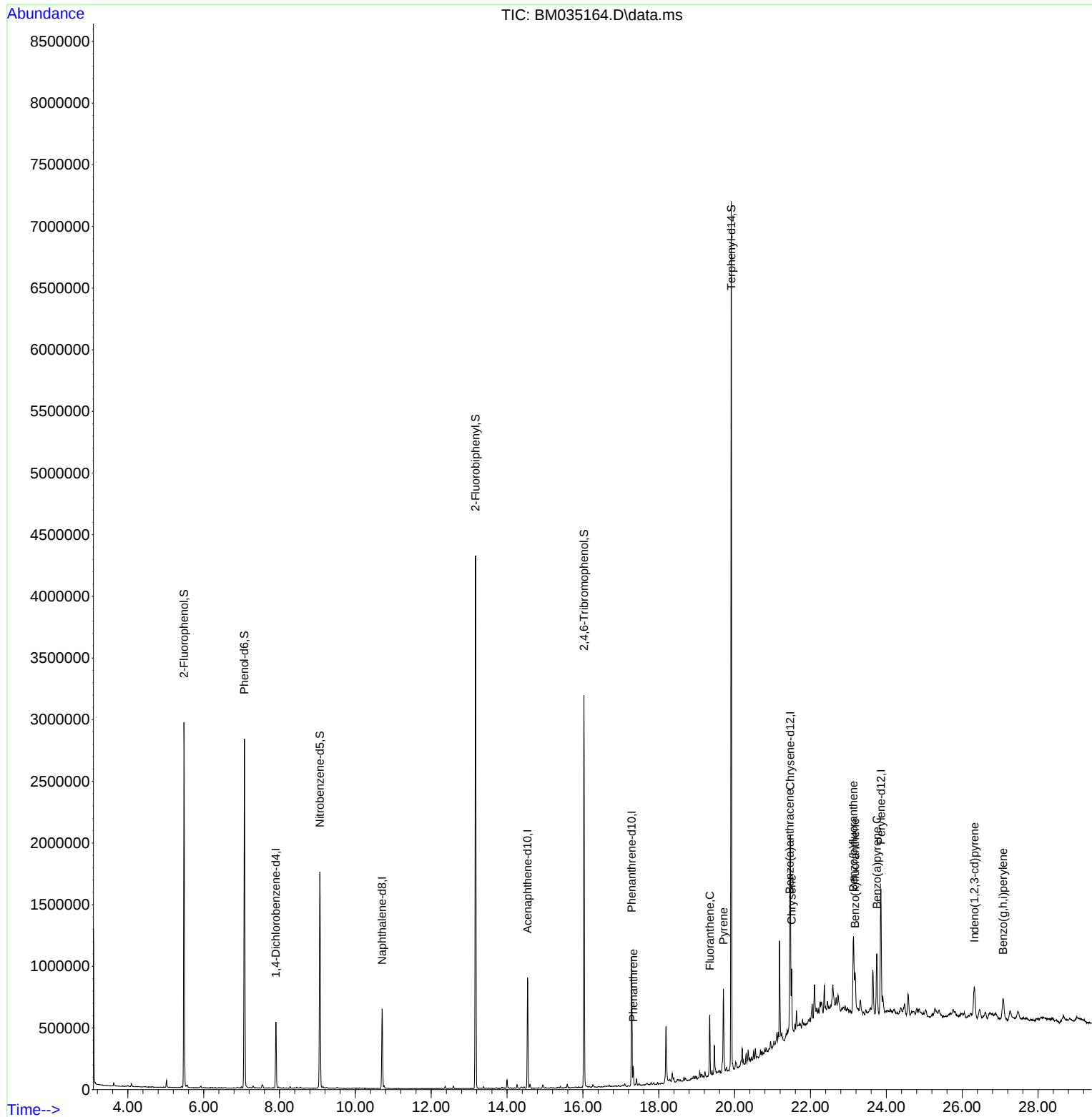
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035164.D
Acq On : 19 May 2022 22:11
Operator : CG/JU
Sample : N2889-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

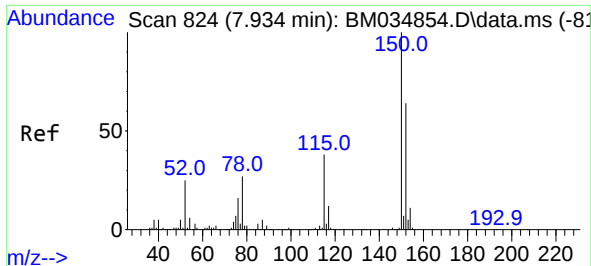
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL

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

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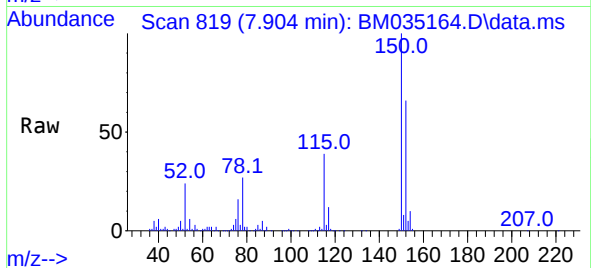
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022





#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

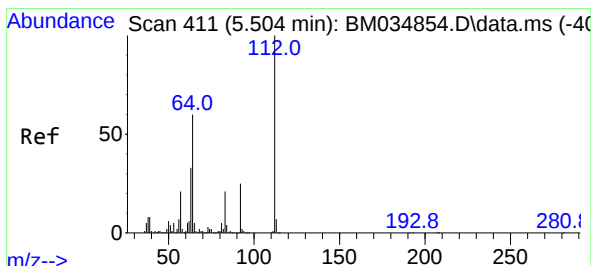
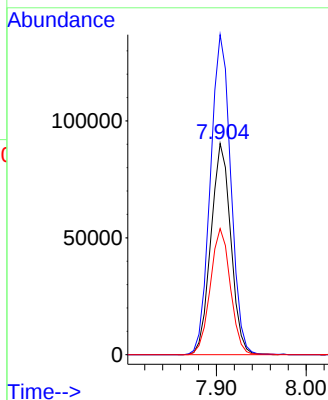
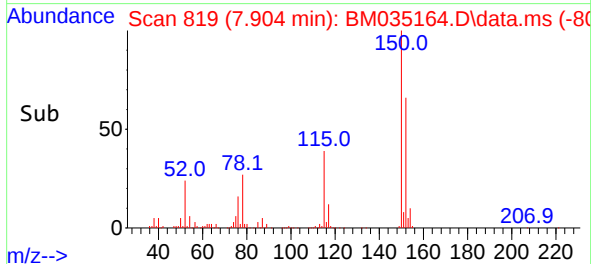
Instrument :
BNA_M
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RO-211-051-SOIL



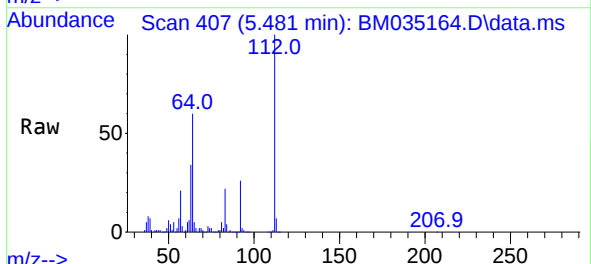
Tgt Ion:152 Resp: 13904
Ion Ratio Lower Upper
152 100
150 151.5 124.9 187.3
115 59.7 47.9 71.9

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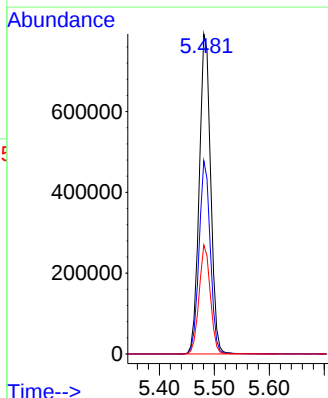
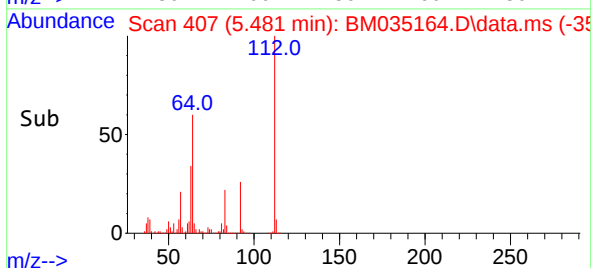
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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



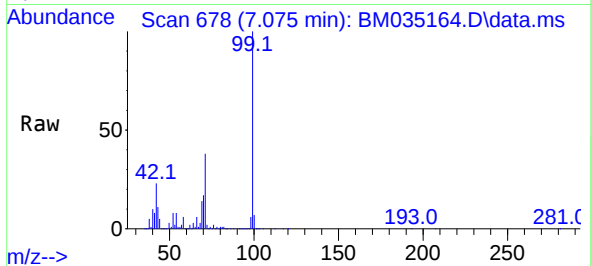
Tgt Ion:112 Resp: 1144409
Ion Ratio Lower Upper
112 100
64 60.4 47.8 71.6
63 34.0 26.6 40.0





#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

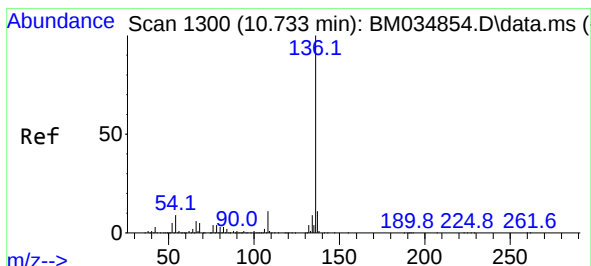
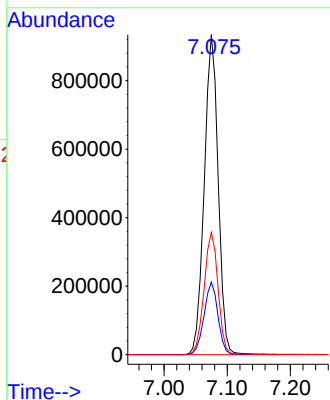
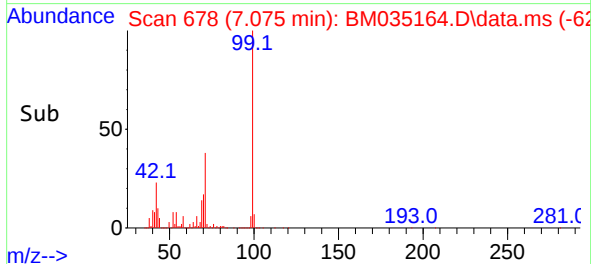
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL



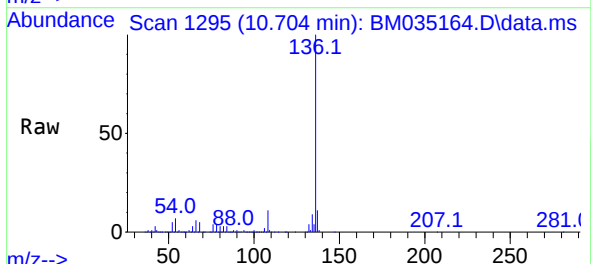
Tgt Ion: 99 Resp: 143319
Ion Ratio Lower Upper
99 100
42 22.7 18.8 28.2
71 38.2 30.2 45.2

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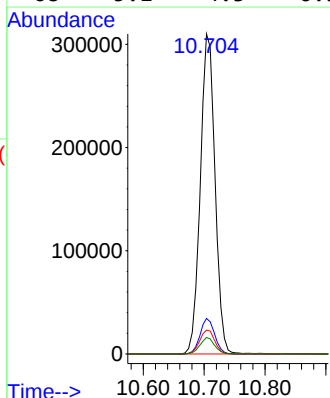
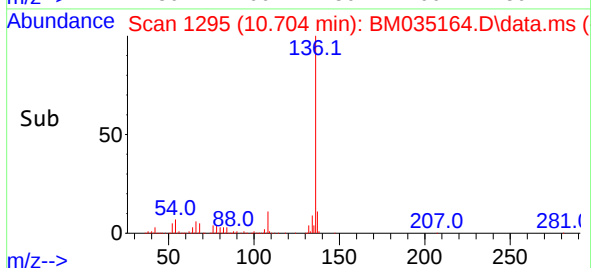
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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



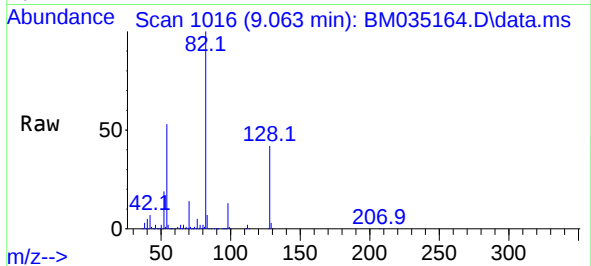
Tgt Ion:136 Resp: 521196
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 7.0 10.4
68 5.1 4.3 6.5





#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

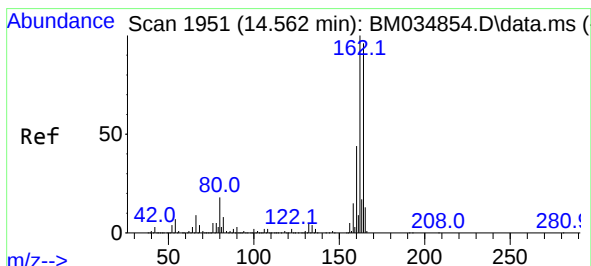
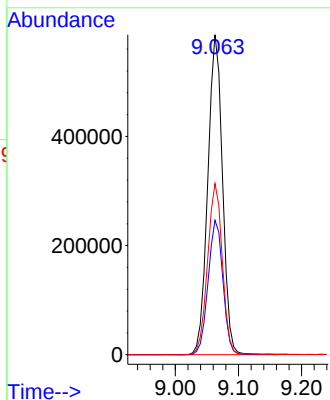
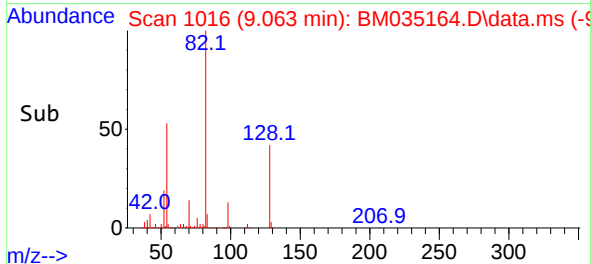
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL



Tgt Ion: 82 Resp: 94848
Ion Ratio Lower Upper
82 100
128 42.0 33.7 50.5
54 53.5 43.2 64.8

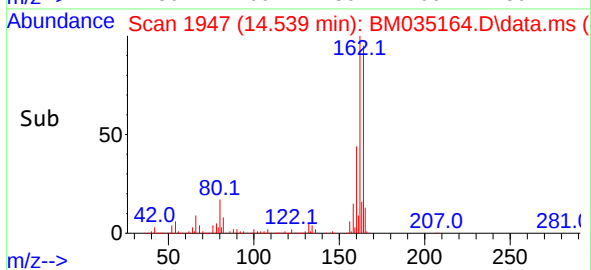
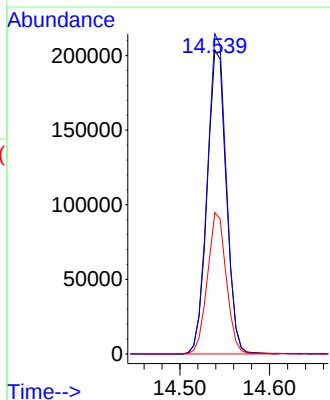
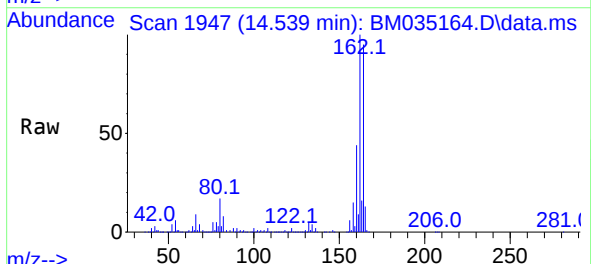
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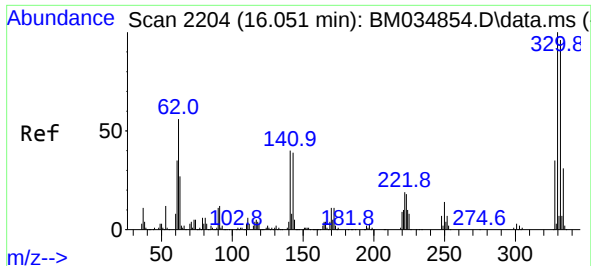
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

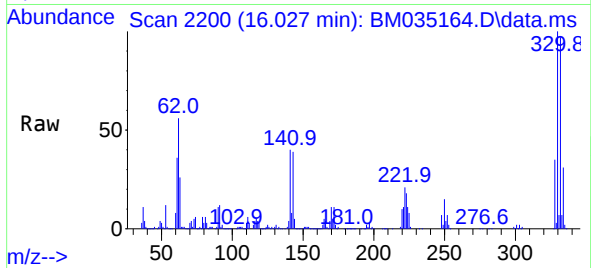
Tgt Ion:164 Resp: 300949
Ion Ratio Lower Upper
164 100
162 105.3 83.0 124.6
160 46.5 37.0 55.4





#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

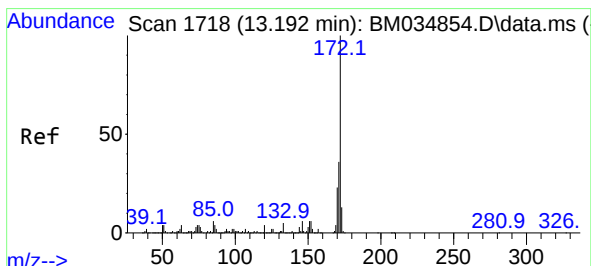
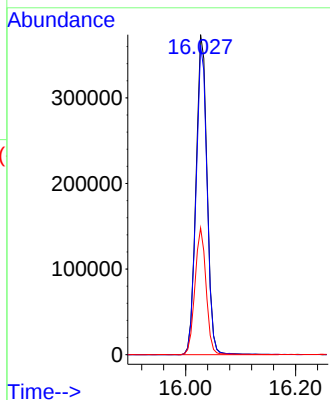
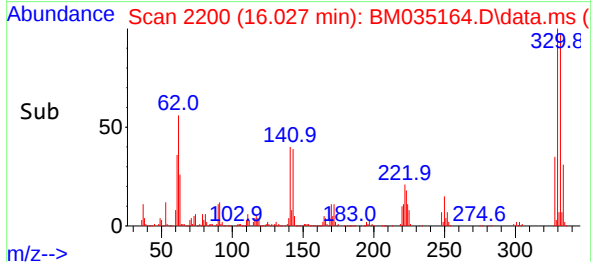
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL



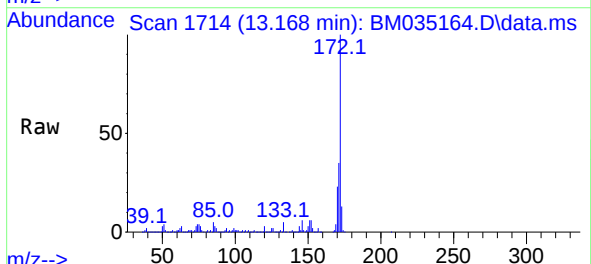
Tgt Ion:330 Resp: 524010
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 39.9 35.3 52.9

Manual Integrations
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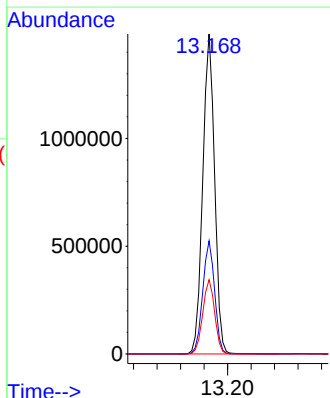
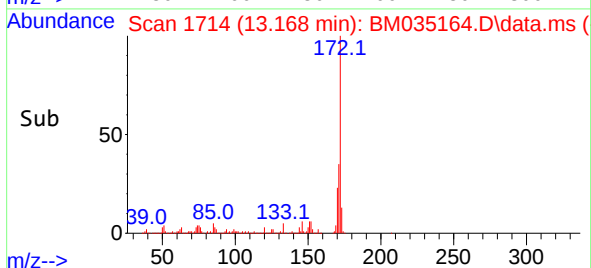
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

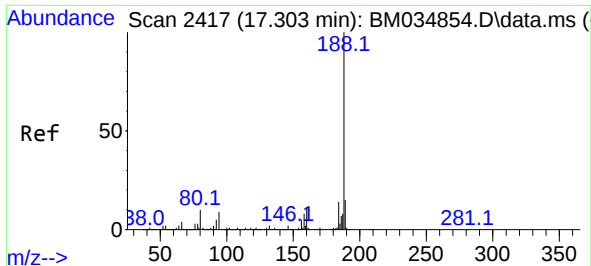


#45
2-Fluorobiphenyl
Concen: 100.305 ng
RT: 13.168 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11



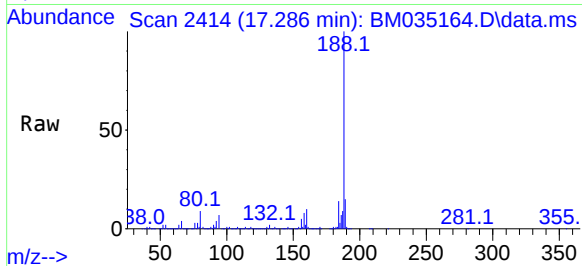
Tgt Ion:172 Resp: 2079442
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.2 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

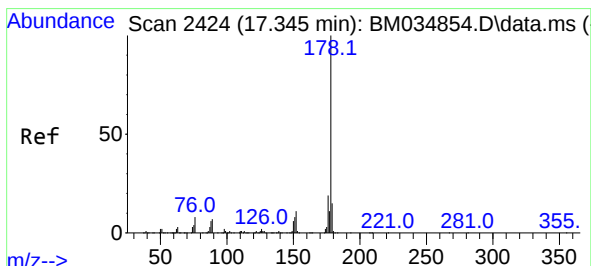
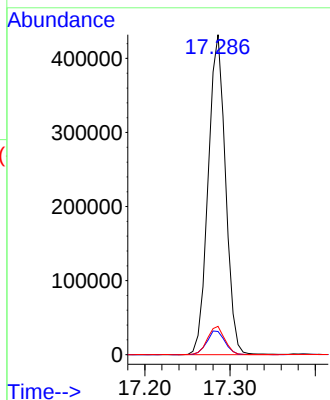
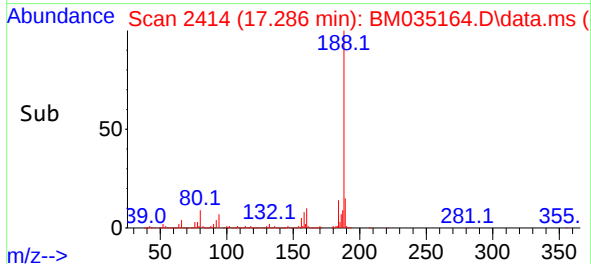
Instrument :
BNA_M
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RO-211-051-SOIL



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

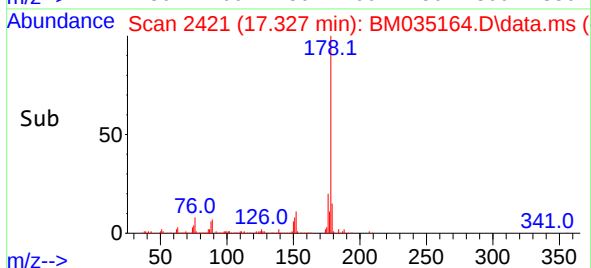
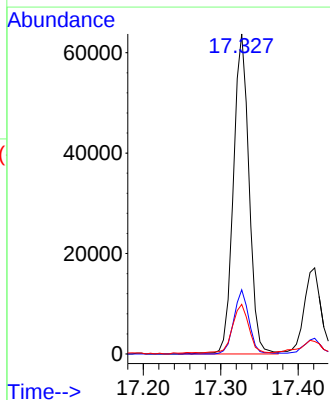
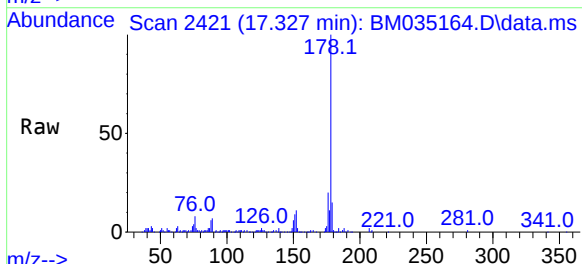
Manual Integrations
APPROVED

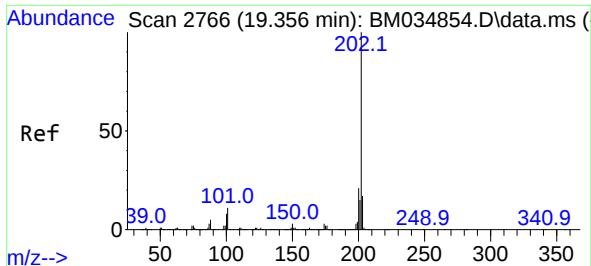
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

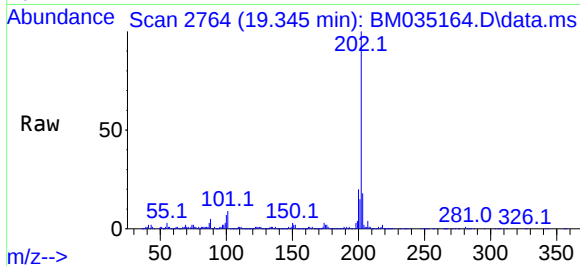
Tgt Ion:178 Resp: 89521
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.5 12.4 18.6





#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

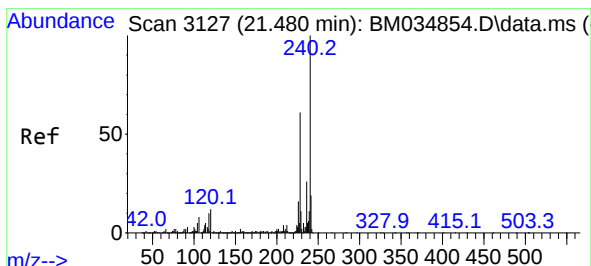
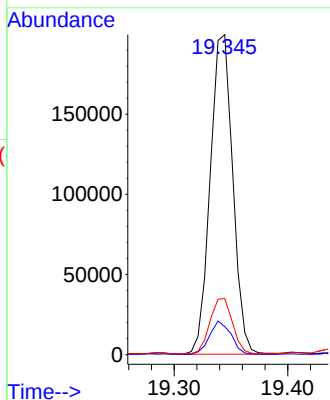
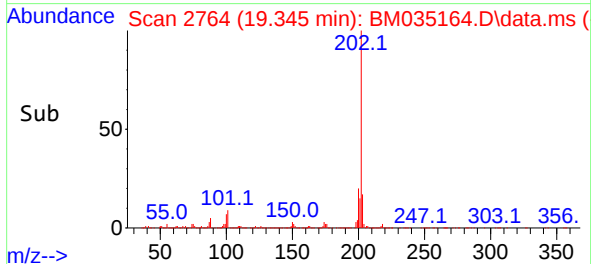
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Tgt Ion:202 Resp: 275364
Ion Ratio Lower Upper
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101 8.8 0.0 30.6
203 17.6 0.0 37.4

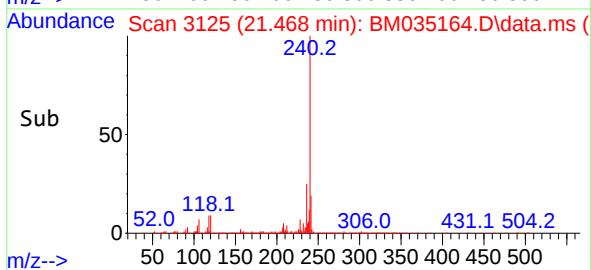
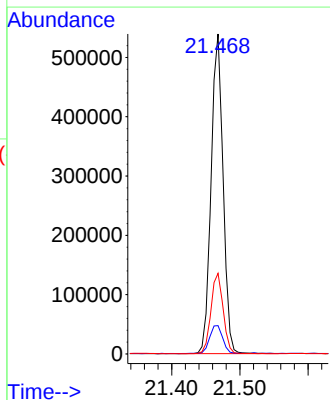
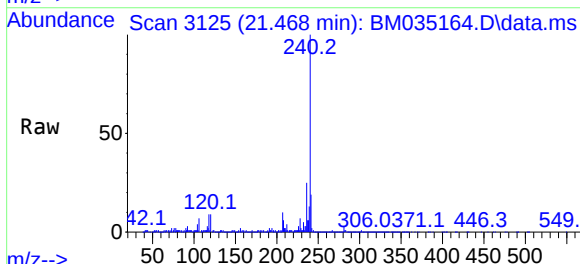
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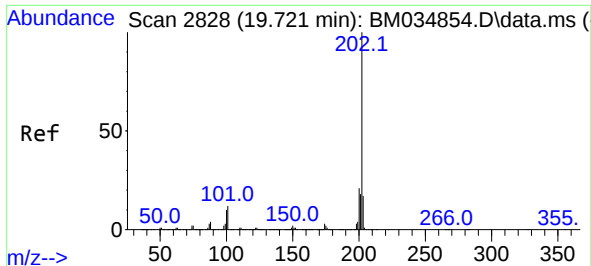
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

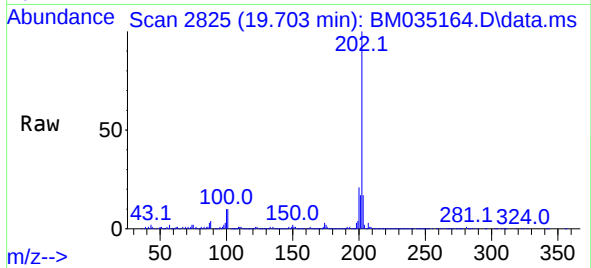
Tgt Ion:240 Resp: 659627
Ion Ratio Lower Upper
240 100
120 8.9 9.4 14.0#
236 25.2 20.6 30.8





#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

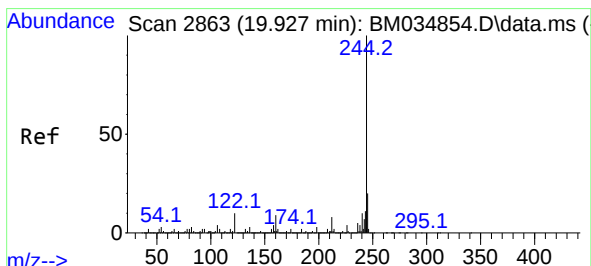
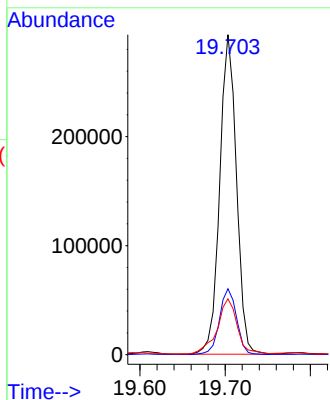
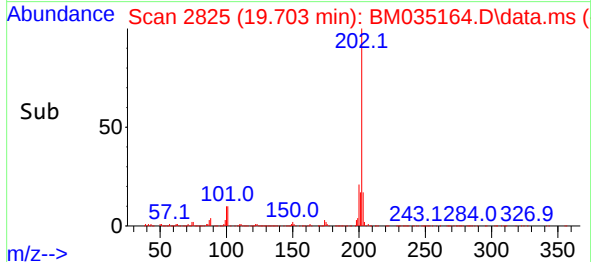
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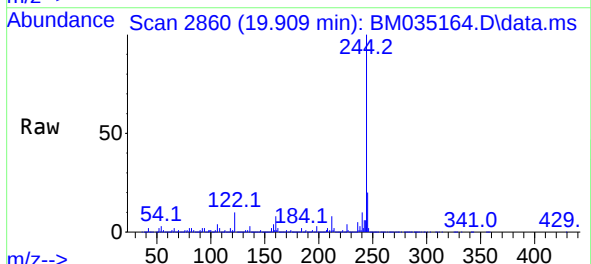
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Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 17.5 13.9 20.9

Manual Integrations
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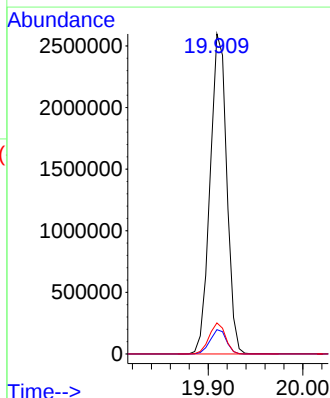
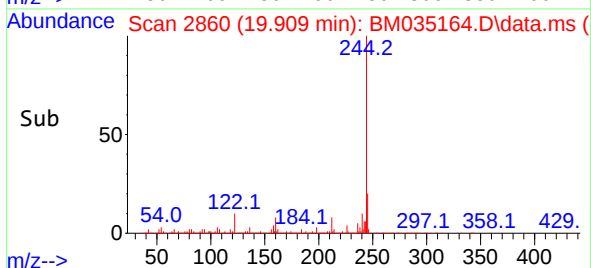
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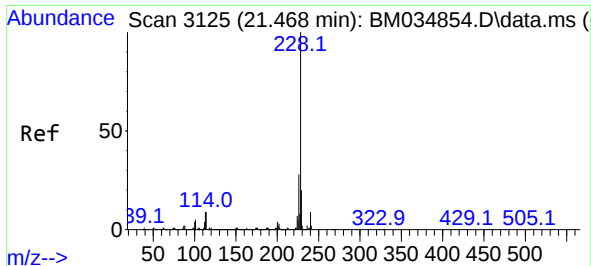


#79
Terphenyl-d14
Concen: 93.385 ng
RT: 19.909 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11



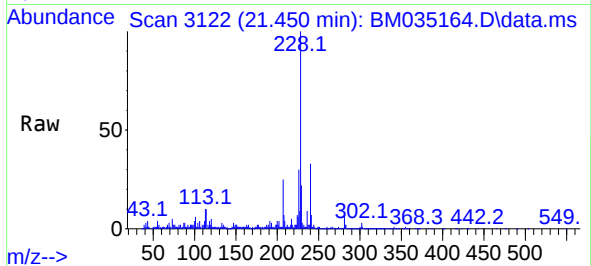
Tgt Ion:244 Resp: 3181446
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 9.7 8.3 12.5





#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

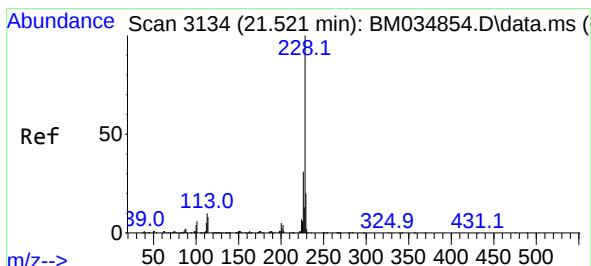
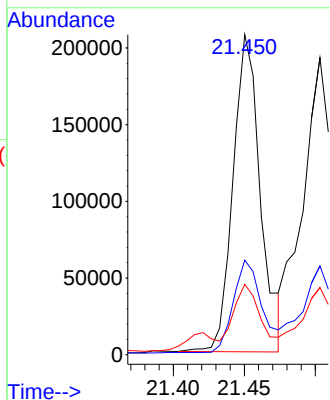
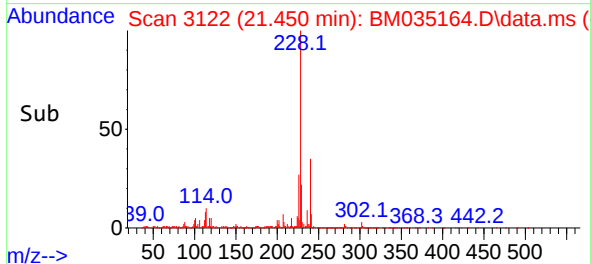
Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL



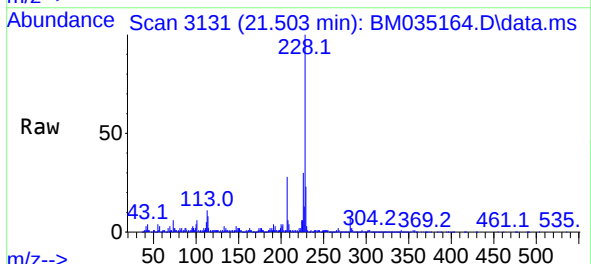
Tgt Ion:228 Resp: 277280
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 22.0 15.8 23.6

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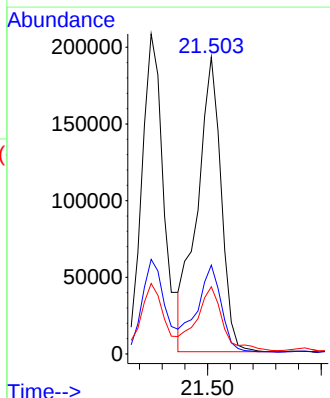
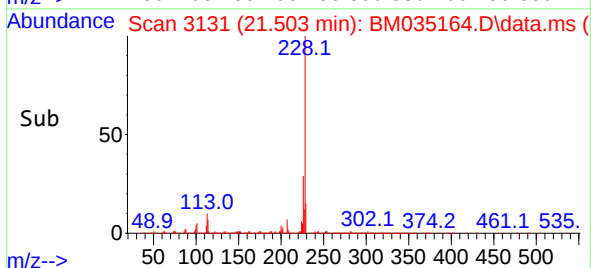
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

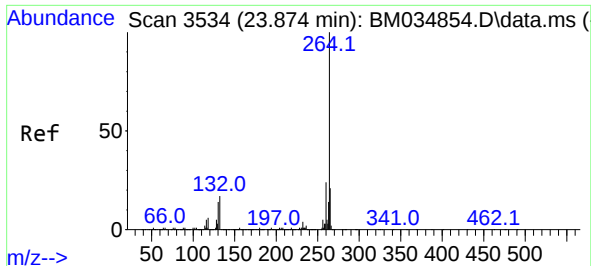


#83
Chrysene
Concen: 6.715 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11



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





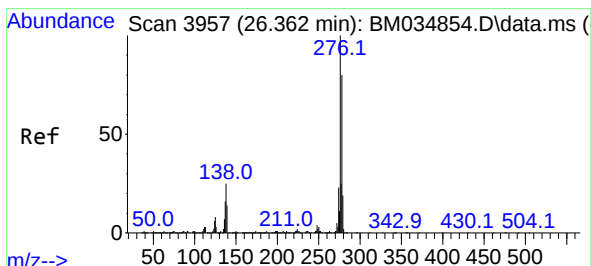
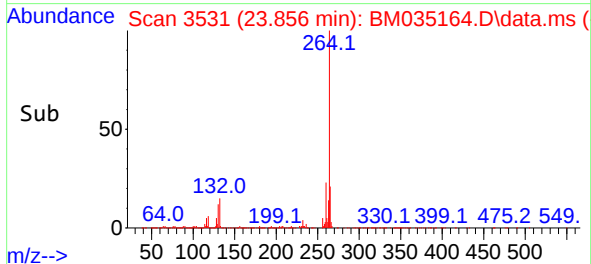
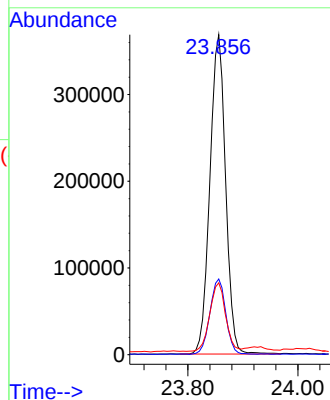
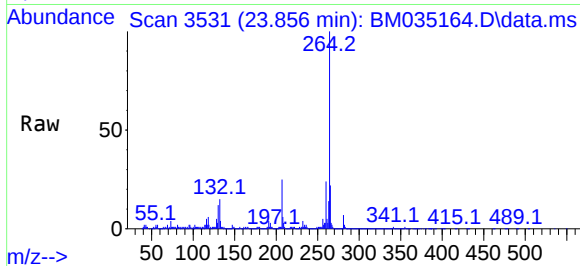
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.856 min Scan# 3531
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

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

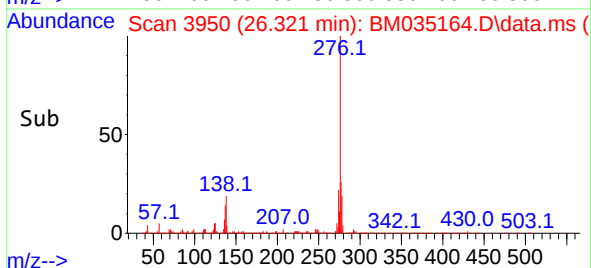
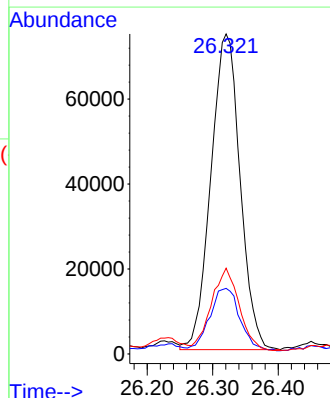
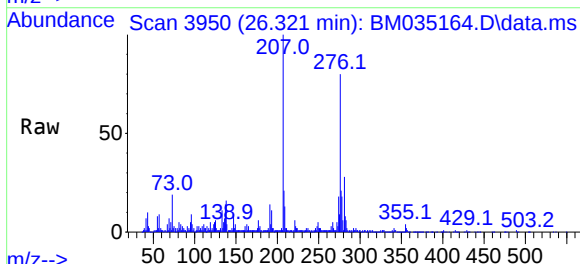
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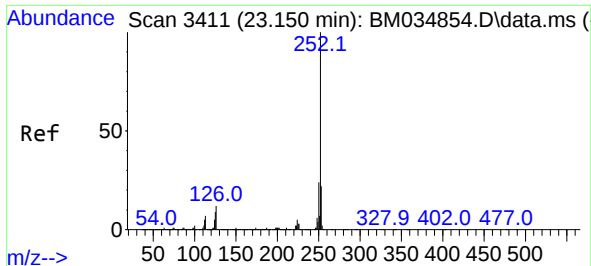
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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





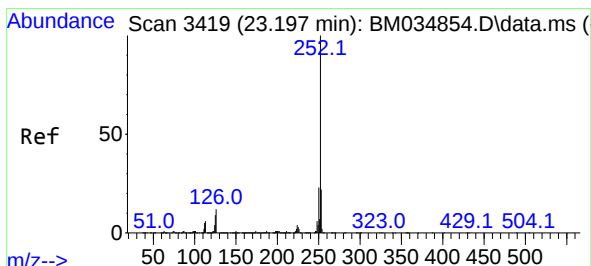
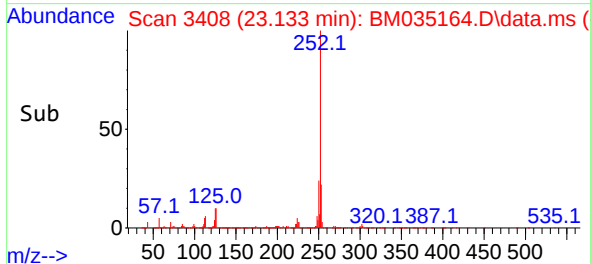
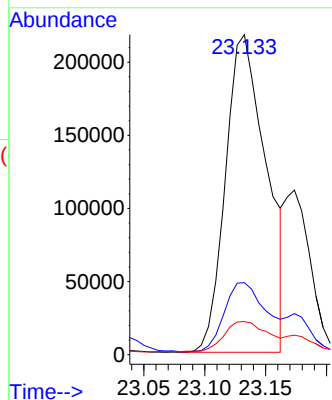
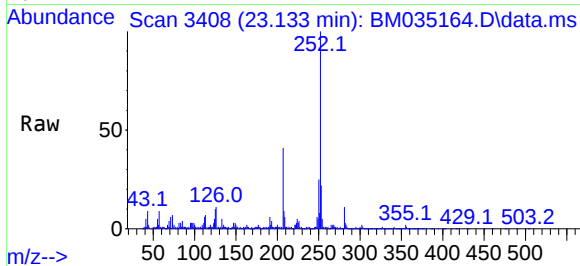
#88
Benzo(b)fluoranthene
Concen: 11.038 ng
RT: 23.133 min Scan# 3411
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

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

Tgt Ion:252 Resp: 50799
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.3 7.6 11.4

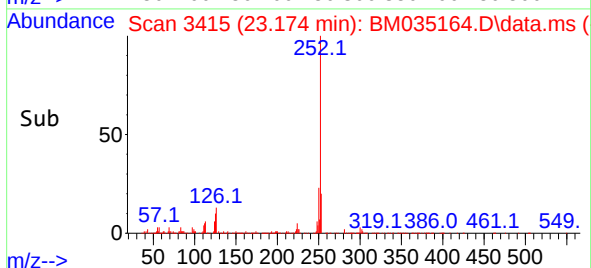
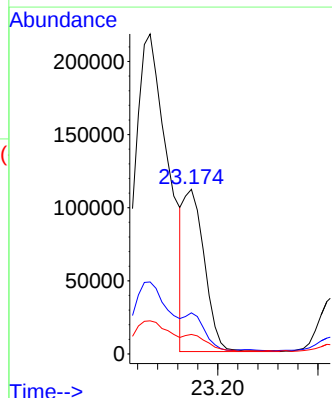
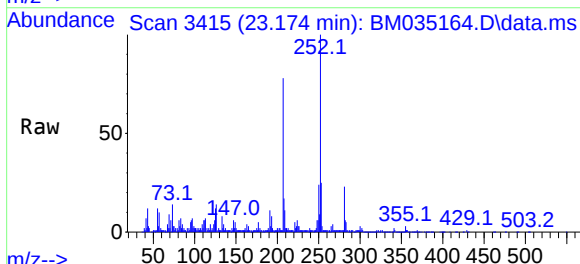
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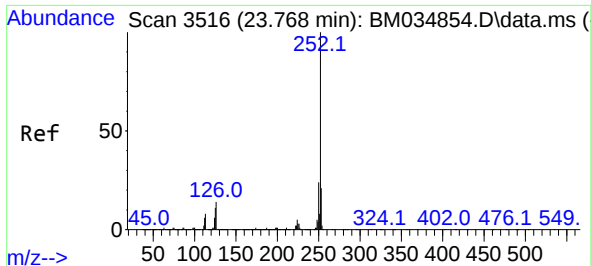
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#89
Benzo(k)fluoranthene
Concen: 3.426 ng m
RT: 23.174 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

Tgt Ion:252 Resp: 159586
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 11.9 7.6 11.4#





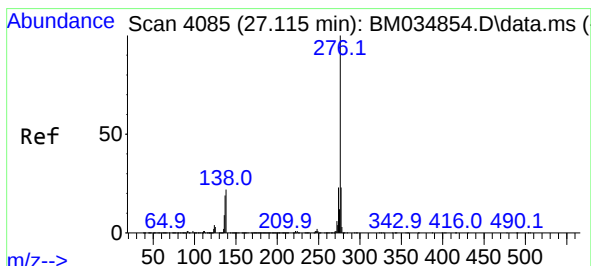
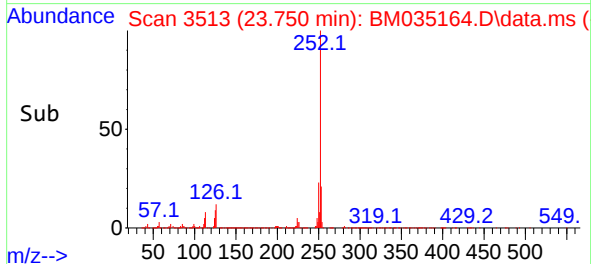
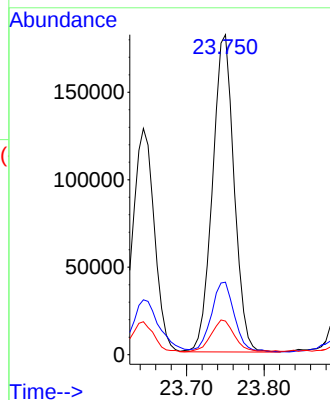
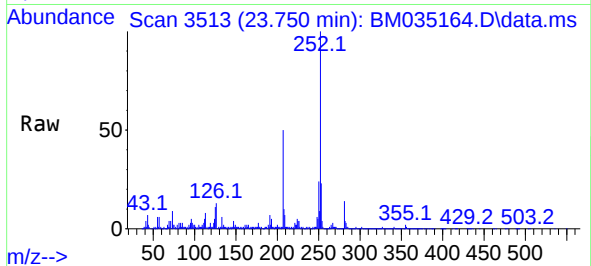
#90
Benzo(a)pyrene
Concen: 9.156 ng
RT: 23.750 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM035164.D
Acq: 19 May 2022 22:11

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

Tgt Ion:252 Resp: 35008
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 10.5 8.7 13.1

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Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

