

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047382.D
 Acq On : 28 Aug 2024 15:44
 Operator : RC/JU
 Sample : P3726-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEDL

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Aug 28 16:23:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/29/2024
1) 1,4-Dichlorobenzene-d4	7.345	152	318938	20.000	ng	0.00	Supervised By :mohammad Jmed
21) Naphthalene-d8	10.104	136	1199484	20.000	ng	0.00	
39) Acenaphthene-d10	14.010	164	788191	20.000	ng	0.00	
64) Phenanthrene-d10	16.780	188	1502953	20.000	ng	0.00	
76) Chrysene-d12	21.027	240	941205	20.000	ng	0.00	
86) Perylene-d12	23.727	264	1089694	20.000	ng	0.01	08/30/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.010	112	369213	22.210	ng	0.00	
7) Phenol-d6	6.569	99	495249	21.869	ng	0.00	
23) Nitrobenzene-d5	8.498	82	318037	14.712	ng	0.00	
42) 2,4,6-Tribromophenol	15.521	330	207818	21.854	ng	0.00	
45) 2-Fluorobiphenyl	12.610	172	745586	14.534	ng	0.00	
79) Terphenyl-d14	19.445	244	811990	15.356	ng	0.00	
Target Compounds						Qvalue	
49) Acenaphthylene	13.727	152	436591	6.965	ng	99	
58) Fluorene	15.074	166	112246	2.164	ng	99	
70) Pentachlorophenol	16.451	266	41531	3.508	ng	95	
71) Phenanthrene	16.821	178	1177728	16.135	ng	100	
72) Anthracene	16.909	178	1183931	16.639	ng	100	
73) Carbazole	17.198	167	459072	6.723	ng	100	
75) Fluoranthene	18.862	202	4099849	47.837	ng	99	
78) Pyrene	19.227	202	4633649	64.189	ng	100	
81) Benzo(a)anthracene	21.009	228	1704254	27.766	ng	94	
83) Chrysene	21.062	228	2514440	43.550	ng	98	
87) Indeno(1,2,3-cd)pyrene	26.732	276	1074962	15.759	ng	96	
88) Benzo(b)fluoranthene	22.891	252	3446806	54.216	ng	99	
89) Benzo(k)fluoranthene	22.939	252	1147494m	19.040	ng		
90) Benzo(a)pyrene	23.603	252	1318869	23.989	ng	97	
91) Dibenzo(a,h)anthracene	26.762	278	291422	5.273	ng	# 90	
92) Benzo(g,h,i)perylene	27.662	276	922944	16.065	ng	98	

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

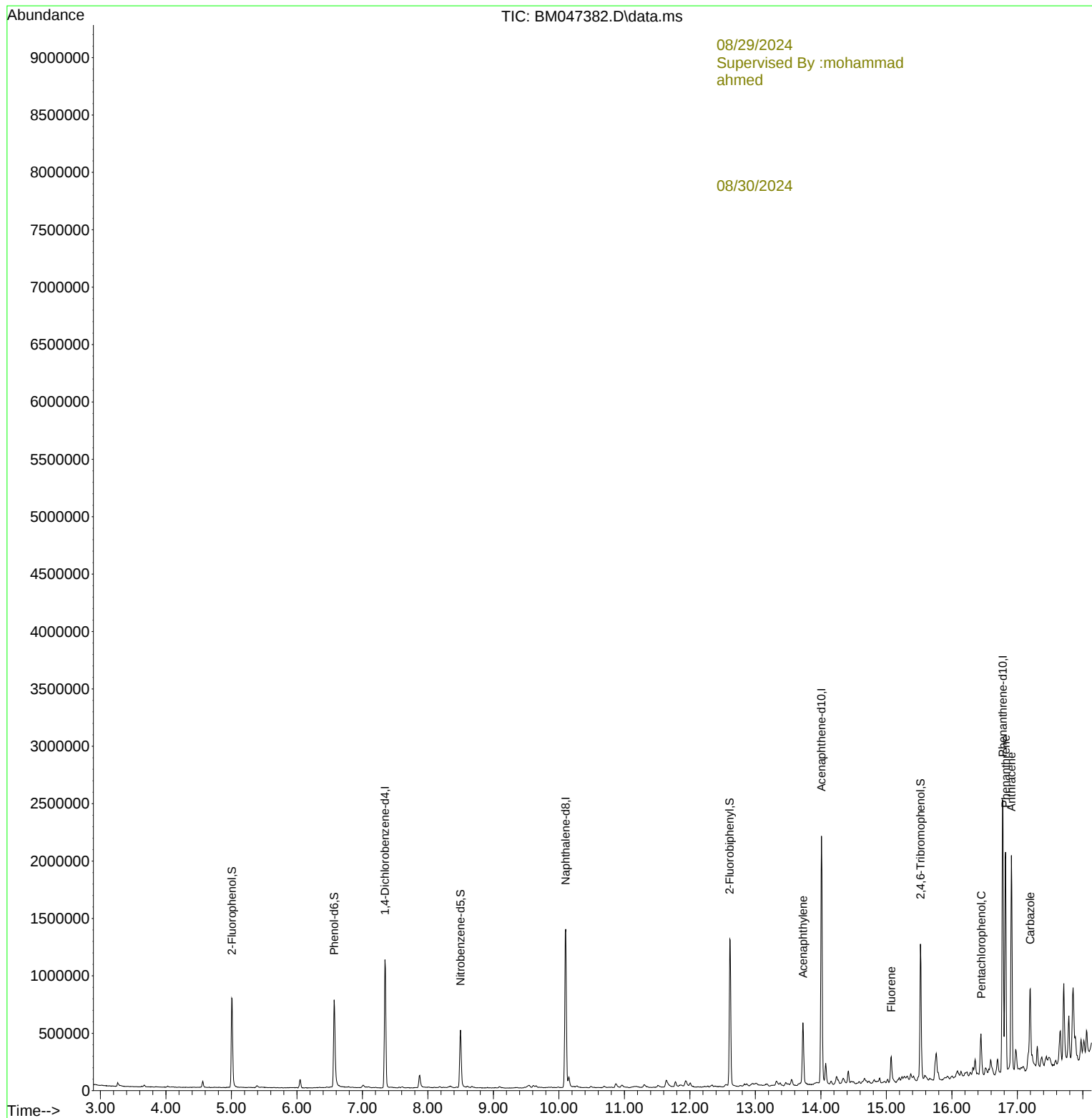
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
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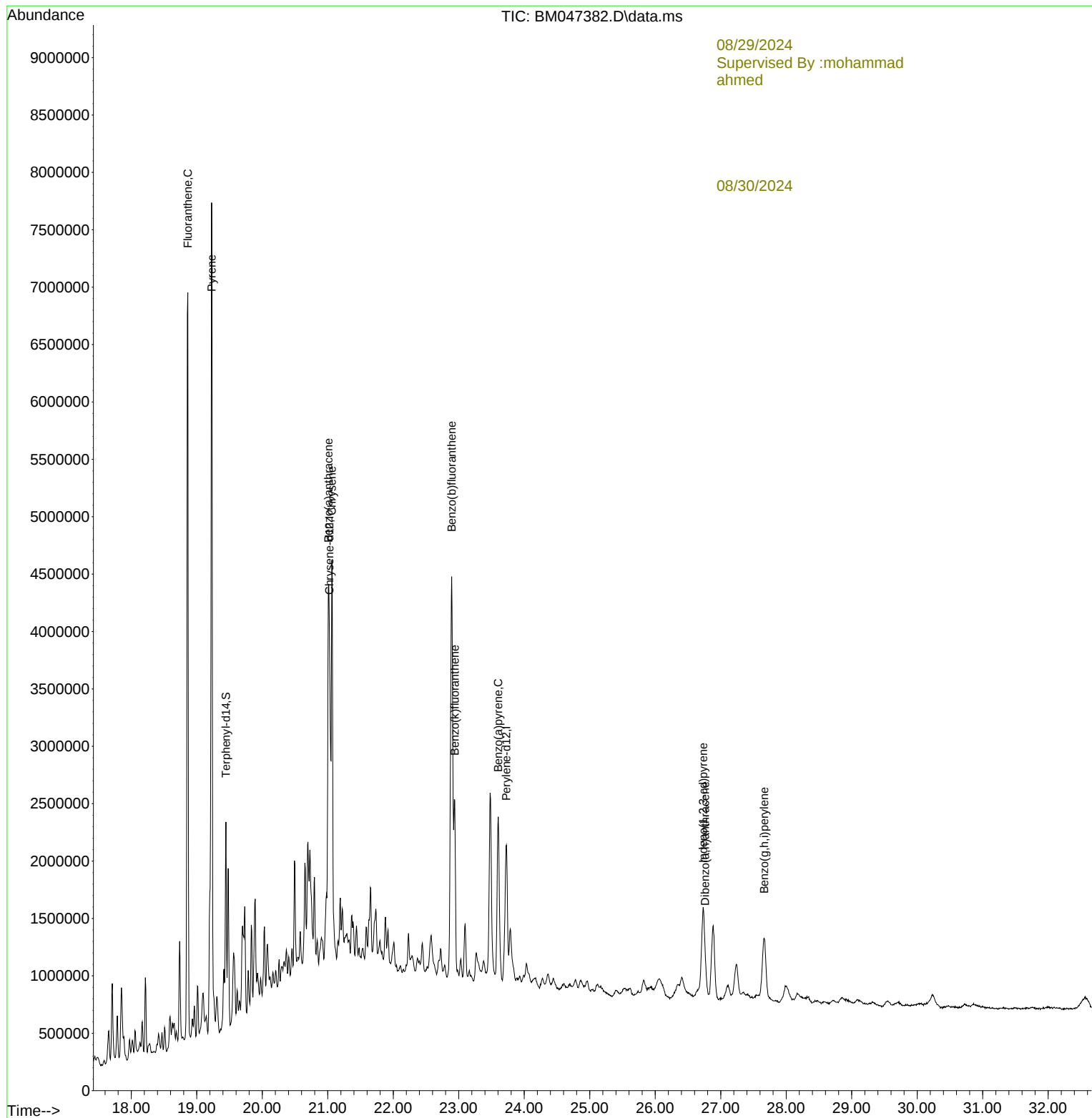
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Acq On : 28 Aug 2024 15:44
Operator : RC/JU
Sample : P3726-01DL 5X
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ALS Vial : 11 Sample Multiplier: 1

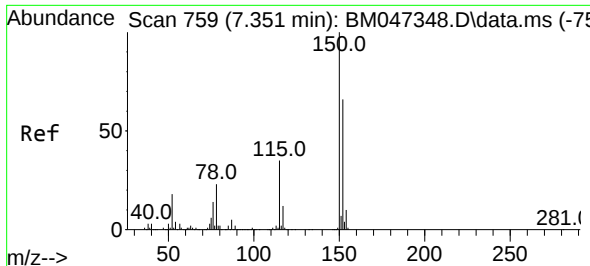
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BNA_M
ClientSampleId :
MOO-SOIL-PIEDEL

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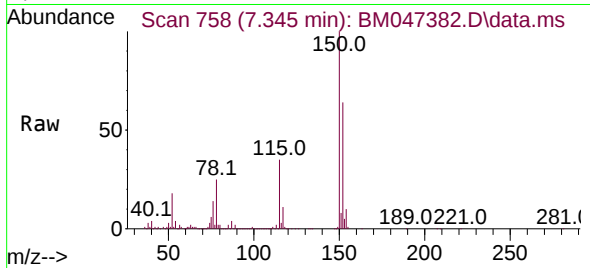
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 759
Delta R.T. -0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

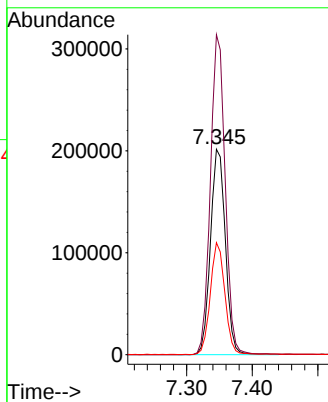
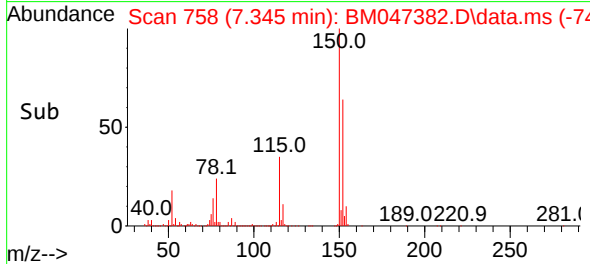
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PIEDL



Tgt Ion:152 Resp: 318938
Ion Ratio Lower Upper
152 100
150 155.7 121.3 181.9
115 54.5 42.6 64.0

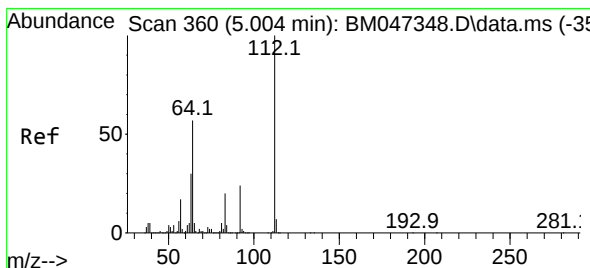
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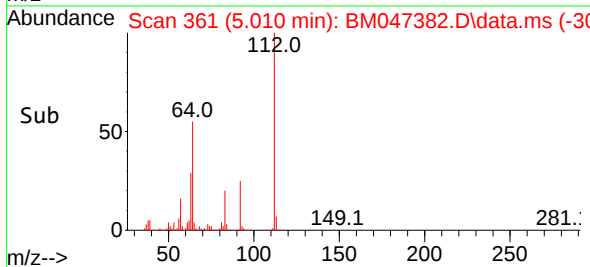
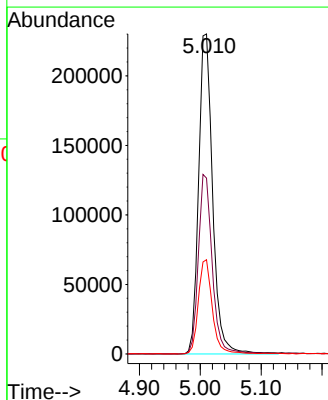
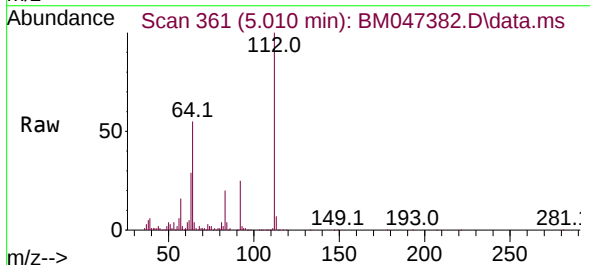
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ahmed

08/30/2024



#5
2-Fluorophenol
Concen: 22.210 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

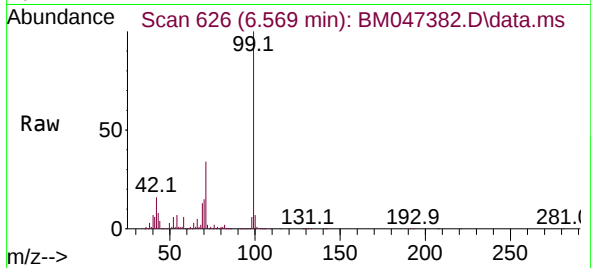
Tgt Ion:112 Resp: 369213
Ion Ratio Lower Upper
112 100
64 54.9 45.7 68.5
63 29.5 23.8 35.8





#7
Phenol-d6
Concen: 21.869 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

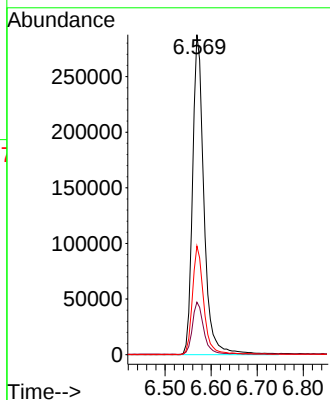
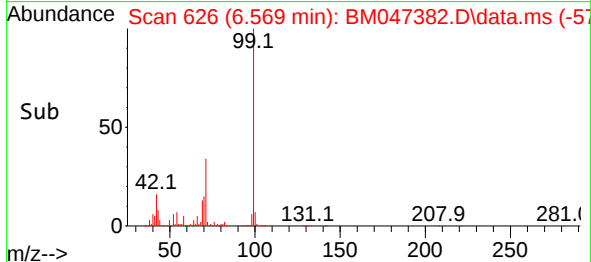
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEDL



Tgt Ion: 99 Resp: 495249
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.4
71 34.0 27.5 41.3

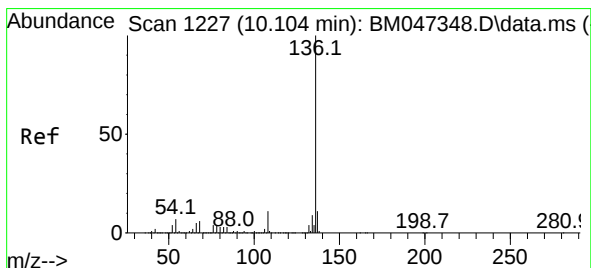
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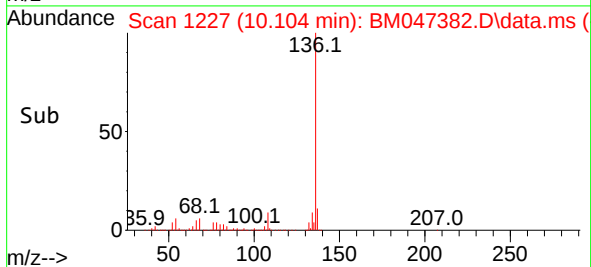
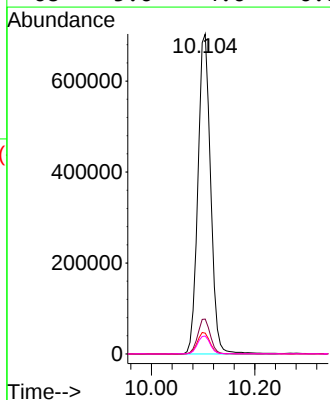
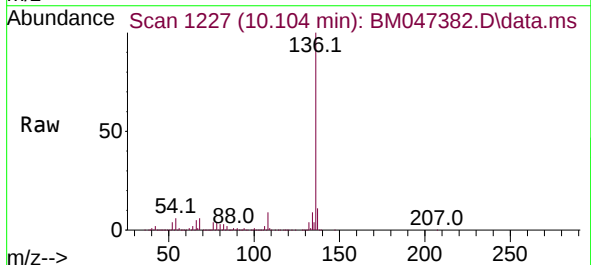
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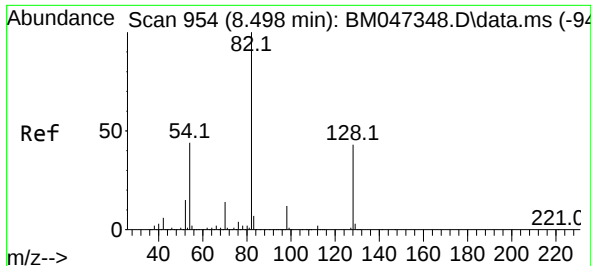
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Tgt Ion:136 Resp: 1199484
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.2 7.8
68 5.6 4.6 6.8





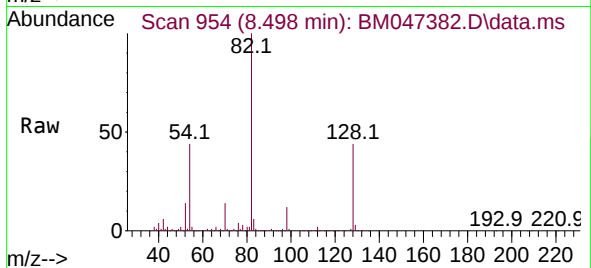
#23
Nitrobenzene-d5
Concen: 14.712 ng
RT: 8.498 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

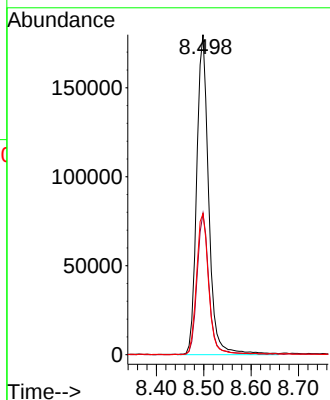
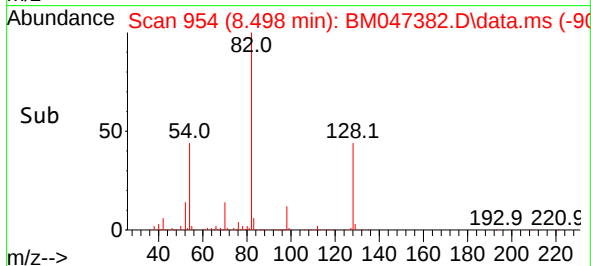
MOO-SOIL-PIEDL



Tgt Ion: 82 Resp: 31803
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 44.1 35.5 53.3

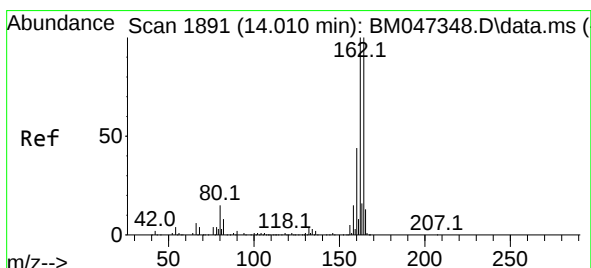
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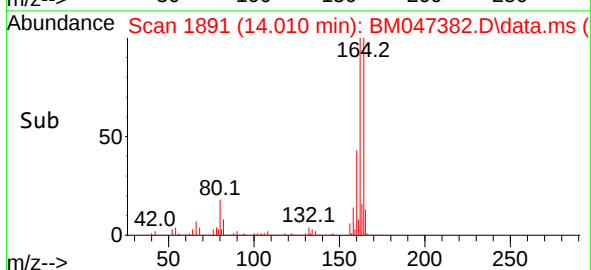
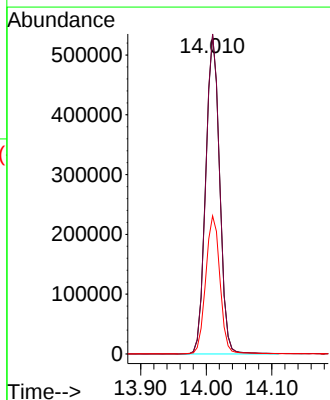
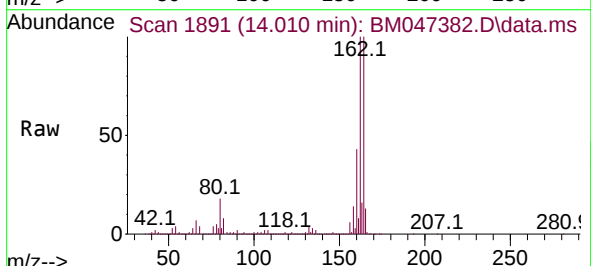
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Supervised By :mohammad
ahmed

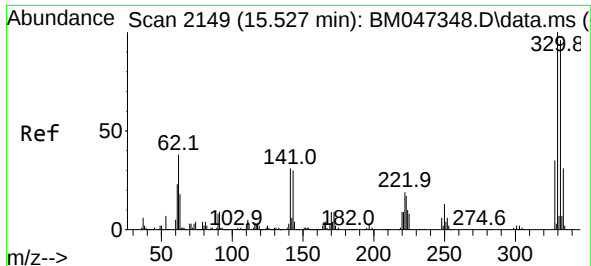
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Tgt Ion:164 Resp: 788191
Ion Ratio Lower Upper
164 100
162 100.1 79.7 119.5
160 43.2 34.9 52.3





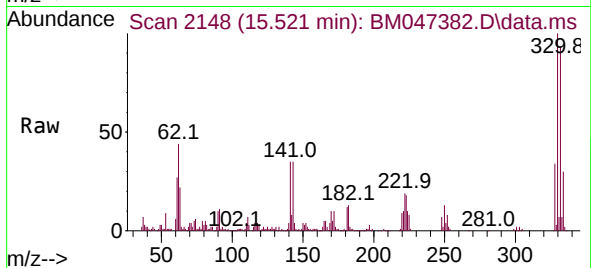
#42
2,4,6-Tribromophenol
Concen: 21.854 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

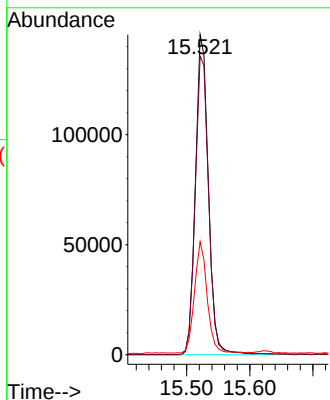
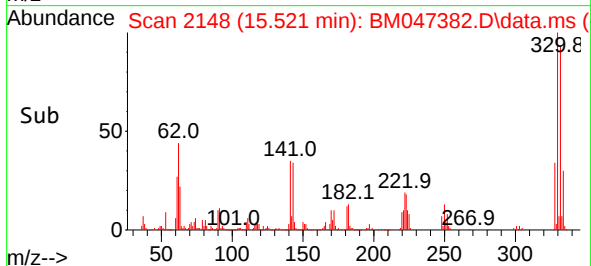
MOO-SOIL-PILEDL



Tgt Ion:330 Resp: 207818
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 34.0 27.6 41.4

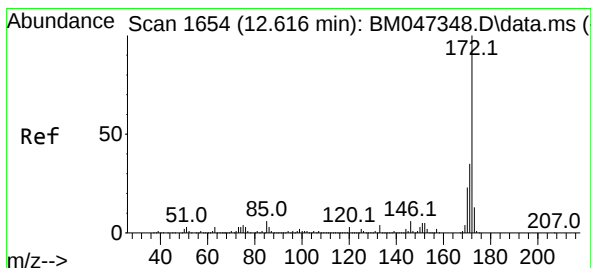
Manual Integrations
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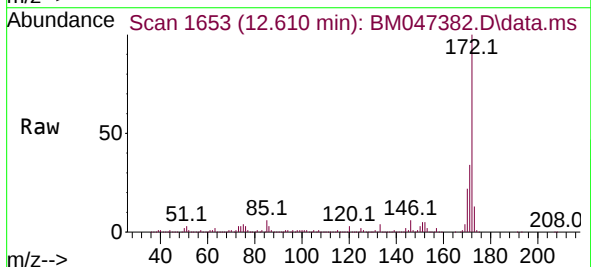


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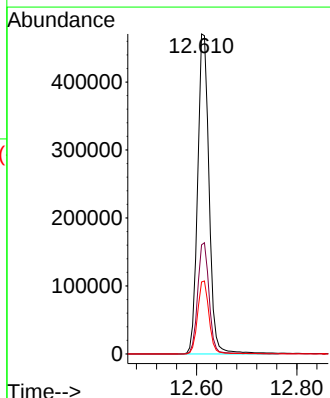
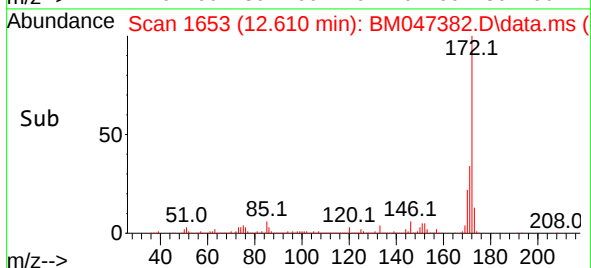
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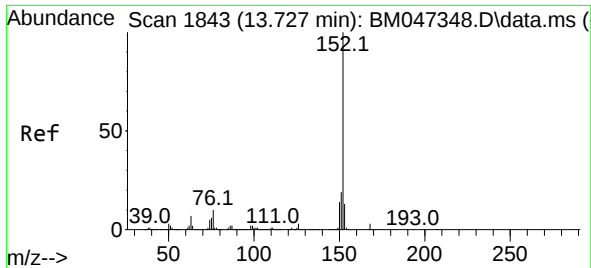


#45
2-Fluorobiphenyl
Concen: 14.534 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44



Tgt Ion:172 Resp: 745586
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.6
170 22.5 18.5 27.7





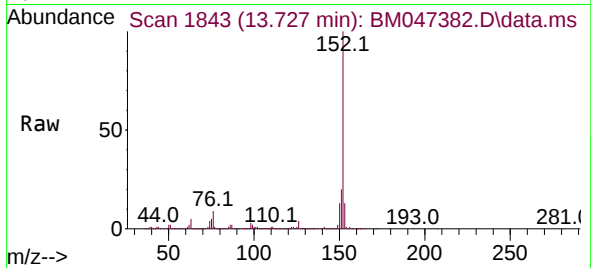
#49
Acenaphthylene
Concen: 6.965 ng
RT: 13.727 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

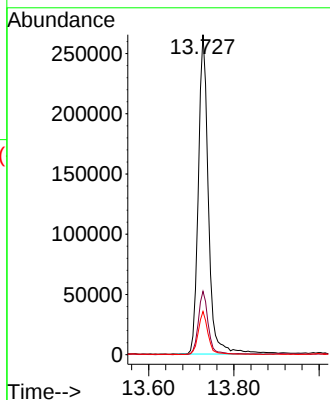
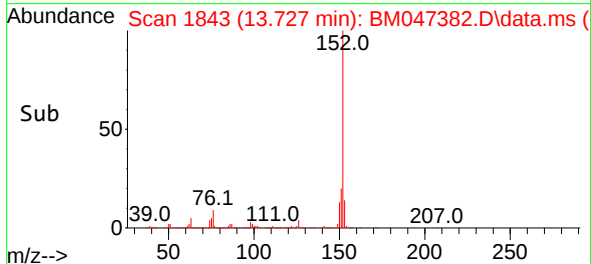
MOO-SOIL-PIEDL



Tgt Ion:152 Resp: 43659
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.0
153 13.5 10.6 15.8

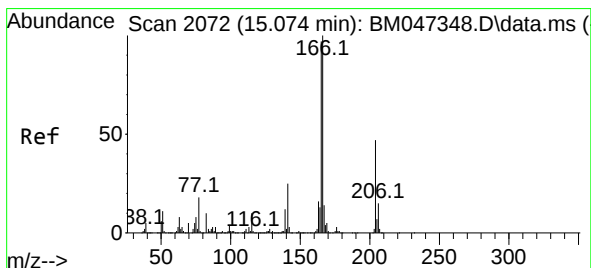
Manual Integrations
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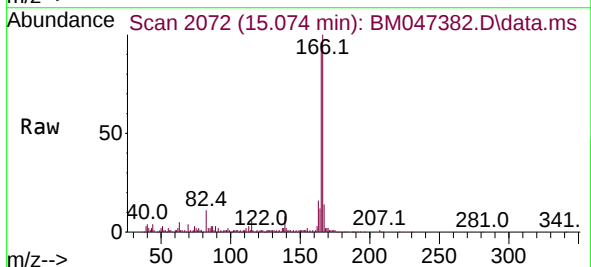


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ahmed

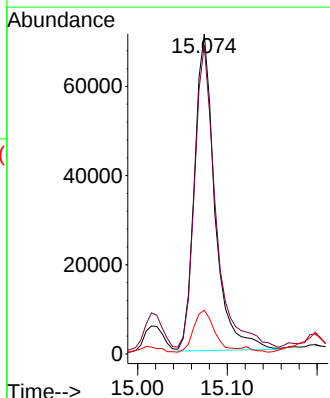
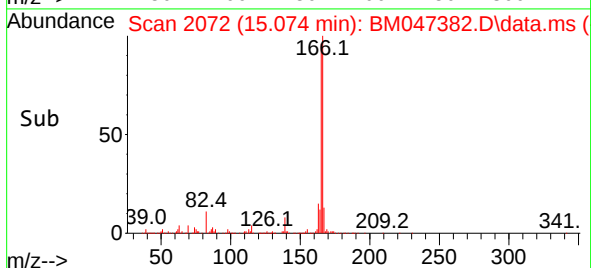
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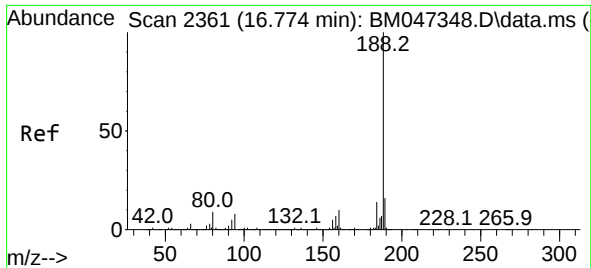


#58
Fluorene
Concen: 2.164 ng
RT: 15.074 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44



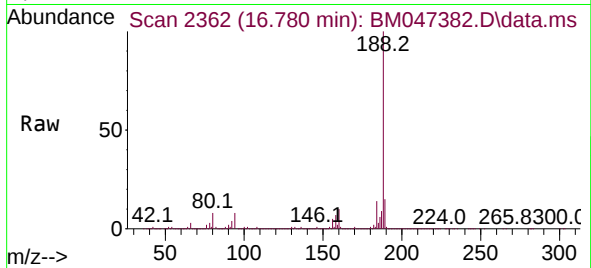
Tgt Ion:166 Resp: 112246
Ion Ratio Lower Upper
166 100
165 96.4 77.8 116.6
167 13.7 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

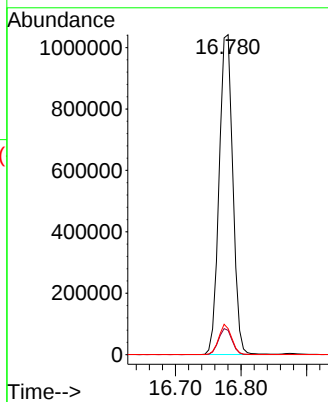
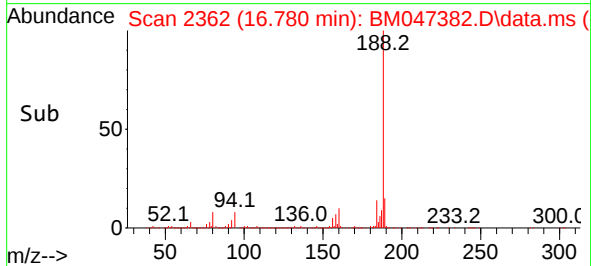
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PIEDL



Tgt Ion:188 Resp: 150295
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 8.1 7.4 11.2

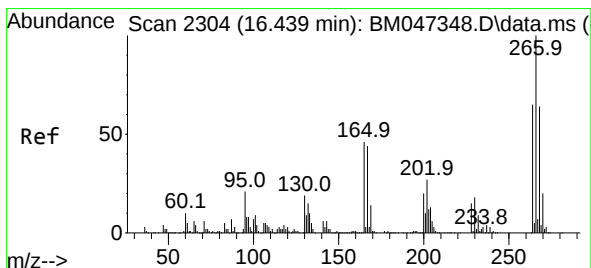
Manual Integrations
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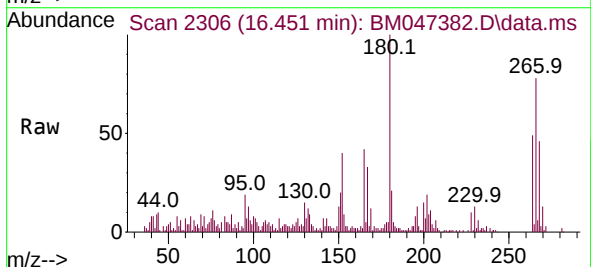


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Supervised By :mohammad
ahmed

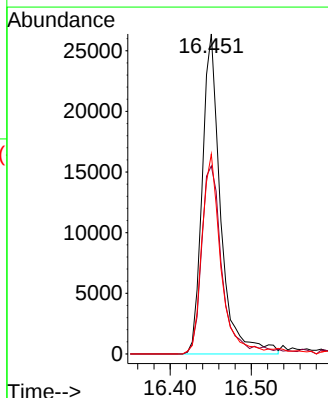
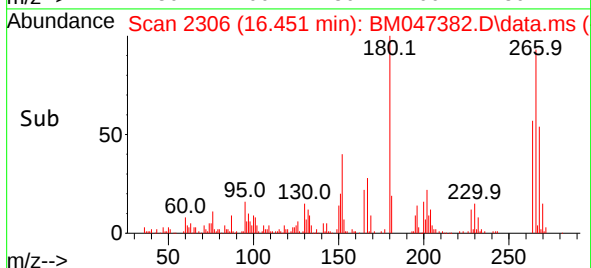
08/30/2024

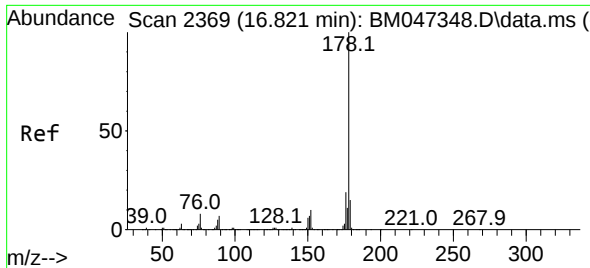


#70
Pentachlorophenol
Concen: 3.508 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44



Tgt Ion:266 Resp: 41531
Ion Ratio Lower Upper
266 100
268 58.7 51.0 76.6
264 62.5 51.9 77.9





#71
Phenanthrene
Concen: 16.135 ng
RT: 16.821 min Scan# 2369
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

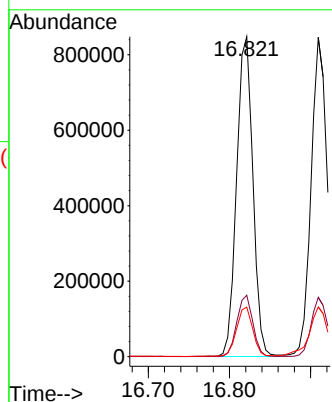
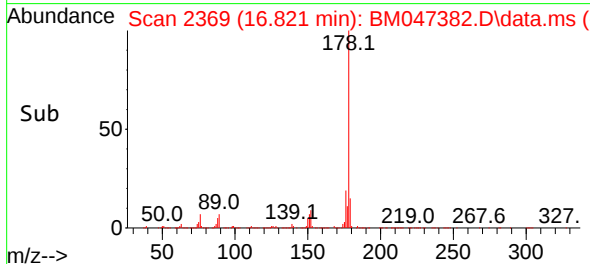
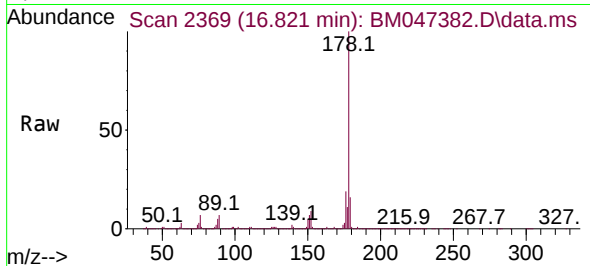
ClientSampleId :

MOO-SOIL-PIEDL

Tgt Ion:178 Resp: 1177728
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.5 12.2 18.4

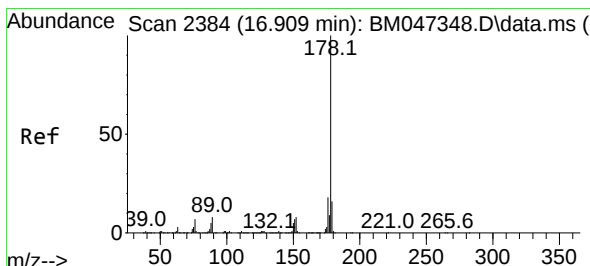
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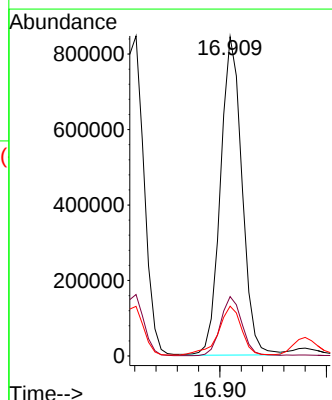
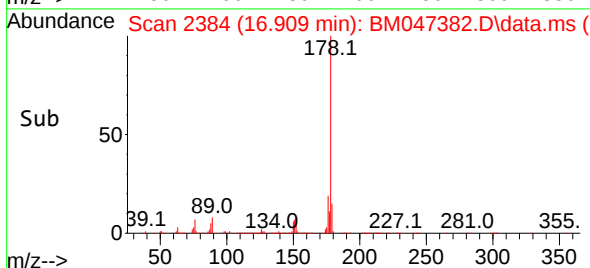
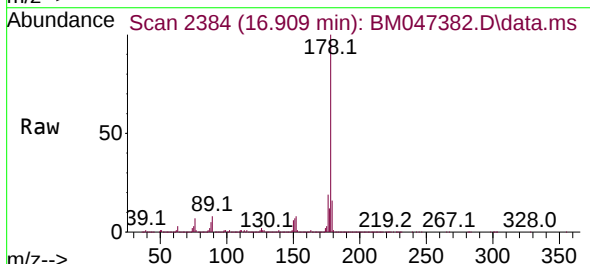
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ahmed

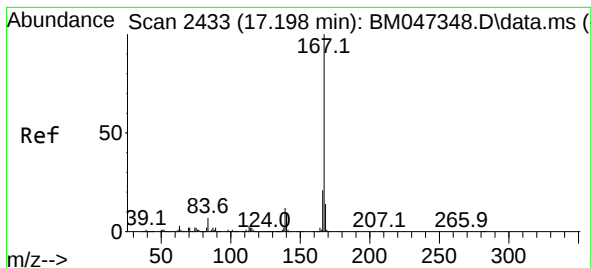
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#72
Anthracene
Concen: 16.639 ng
RT: 16.909 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Tgt Ion:178 Resp: 1183931
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.6 12.6 18.8





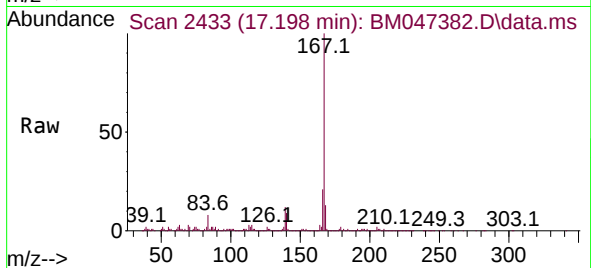
#73
 Carbazole
 Concen: 6.723 ng
 RT: 17.198 min Scan# 2433
 Delta R.T. 0.000 min
 Lab File: BM047382.D
 Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

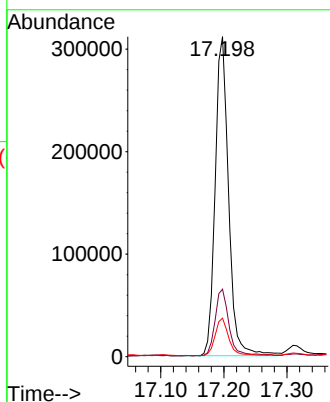
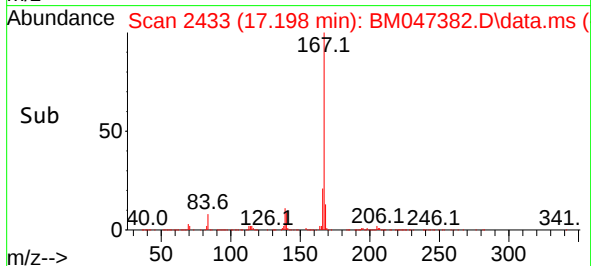
MOO-SOIL-PIEDL



Tgt Ion:167 Resp: 459072
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 12.1 9.5 14.3

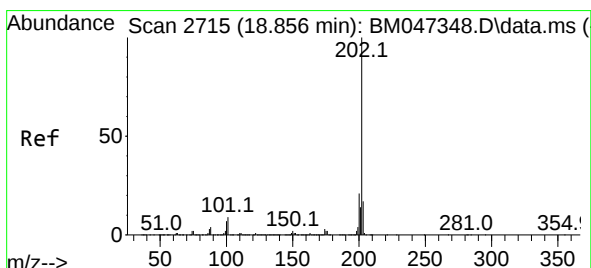
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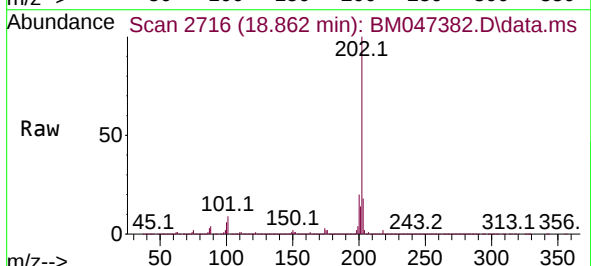


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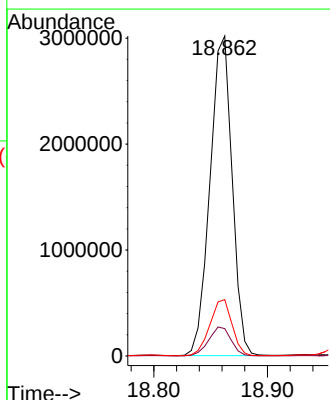
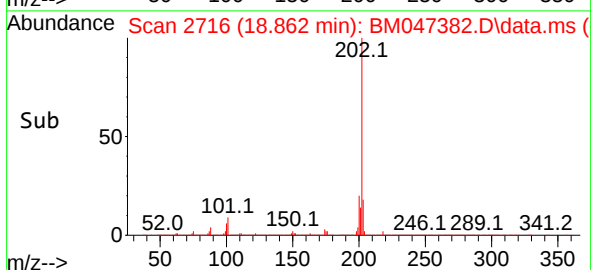
08/30/2024

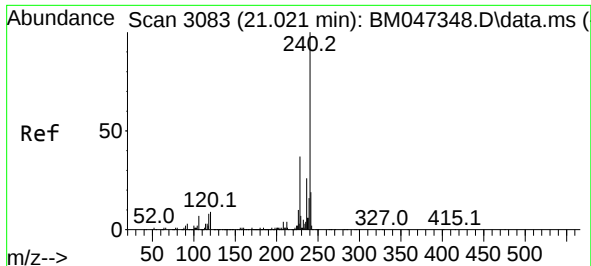


#75
 Fluoranthene
 Concen: 47.837 ng
 RT: 18.862 min Scan# 2716
 Delta R.T. 0.006 min
 Lab File: BM047382.D
 Acq: 28 Aug 2024 15:44



Tgt Ion:202 Resp: 4099849
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.0
 203 17.6 0.0 37.5





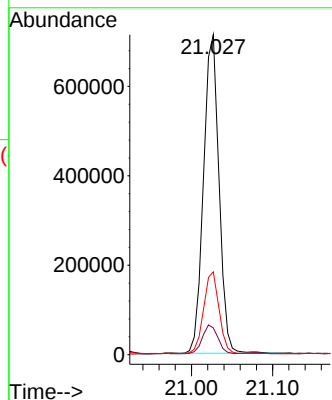
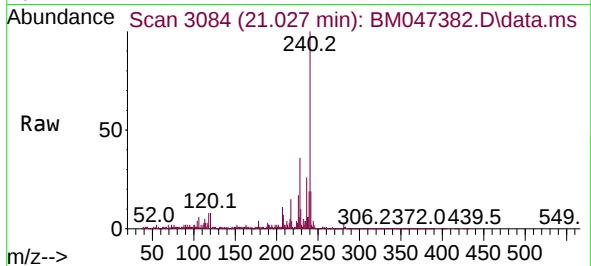
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3083
Delta R.T. 0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PIEDL

Tgt Ion:240 Resp: 941205
Ion Ratio Lower Upper
240 100
120 8.4 7.4 11.0
236 25.9 20.8 31.2

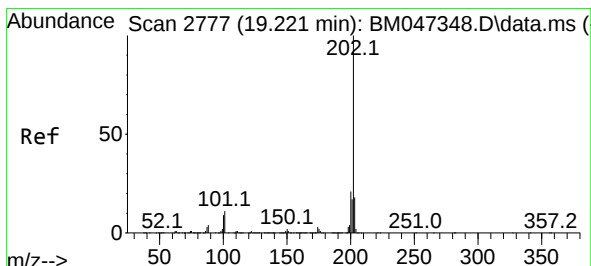
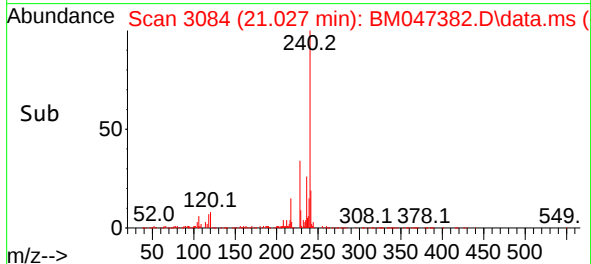
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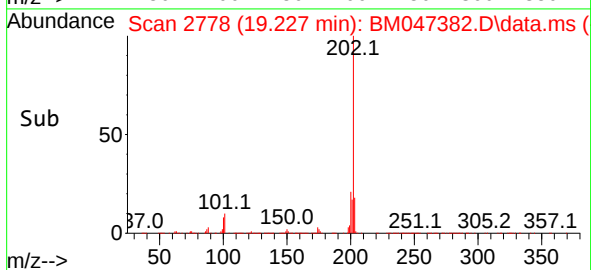
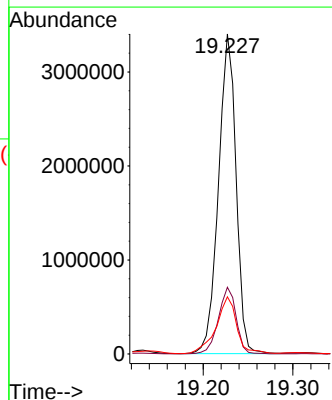
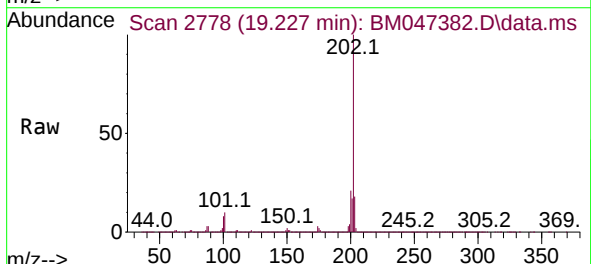
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ahmed

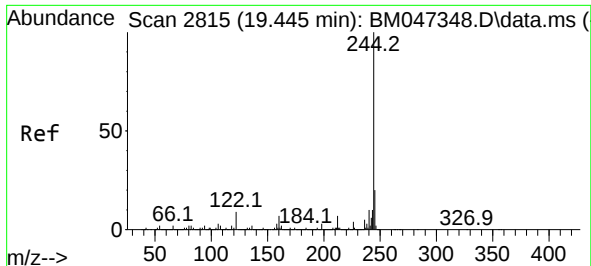
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#78
Pyrene
Concen: 64.189 ng
RT: 19.227 min Scan# 2778
Delta R.T. 0.006 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Tgt Ion:202 Resp: 4633649
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 15.356 ng
 RT: 19.445 min Scan# 2815
 Delta R.T. 0.000 min
 Lab File: BM047382.D
 Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

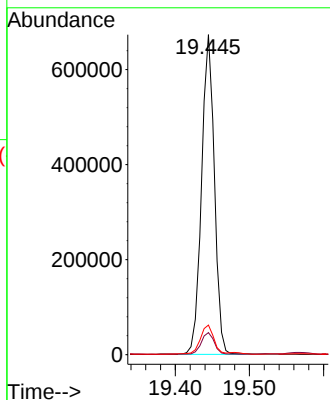
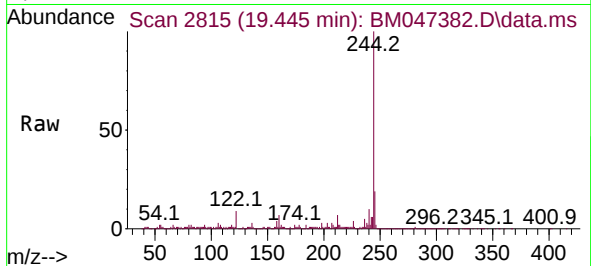
ClientSampleId :

MOO-SOIL-PIEDL

Tgt Ion:244 Resp: 811990
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.2 7.0 10.4

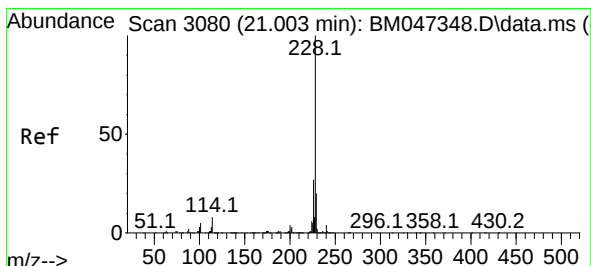
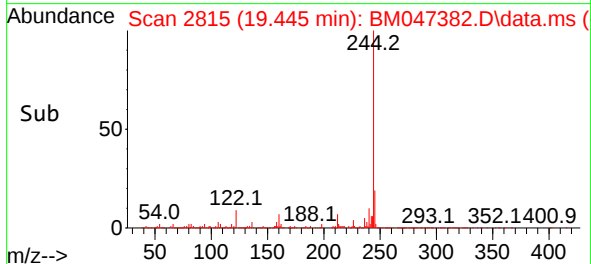
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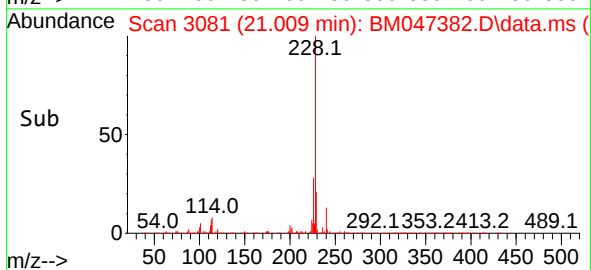
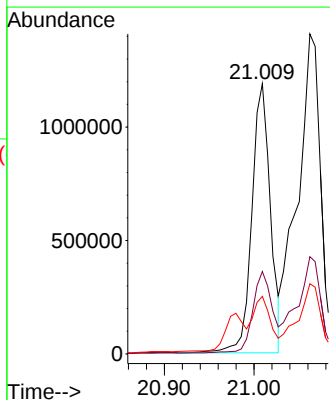
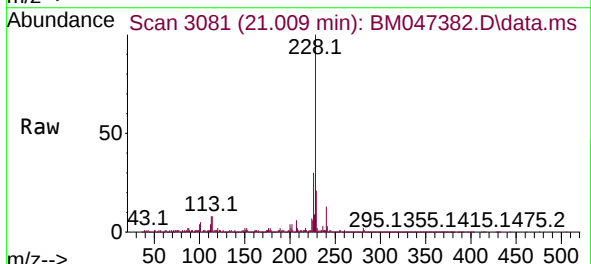
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 ahmed

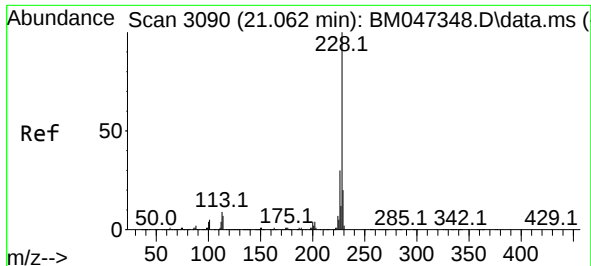
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#81
 Benzo(a)anthracene
 Concen: 27.766 ng
 RT: 21.009 min Scan# 3081
 Delta R.T. 0.006 min
 Lab File: BM047382.D
 Acq: 28 Aug 2024 15:44

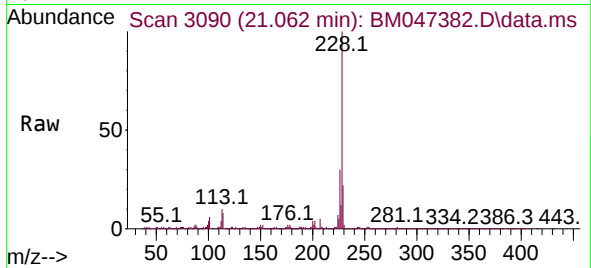
Tgt Ion:228 Resp: 1704254
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.4 32.0
 229 21.3 15.8 23.8





#83
Chrysene
Concen: 43.550 ng
RT: 21.062 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

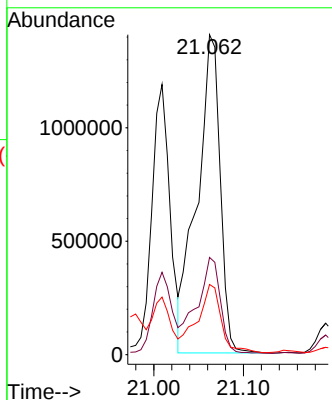
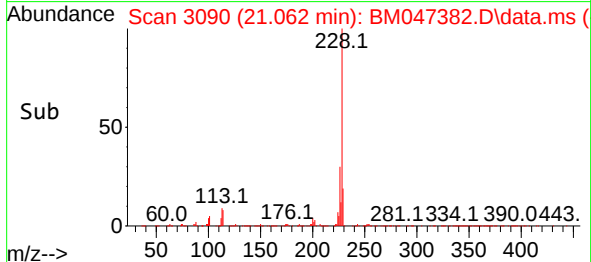
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PIEDL



Tgt Ion:228 Resp: 2514440
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.0 15.9 23.9

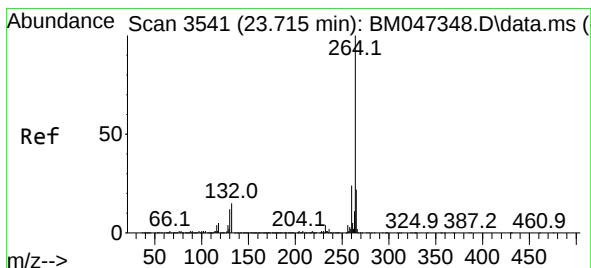
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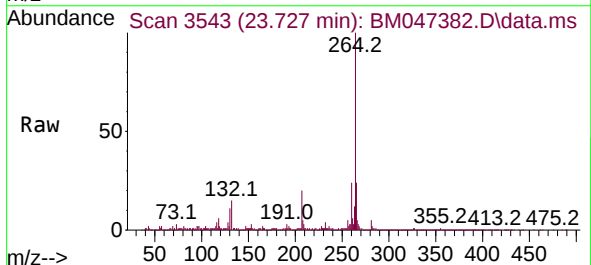


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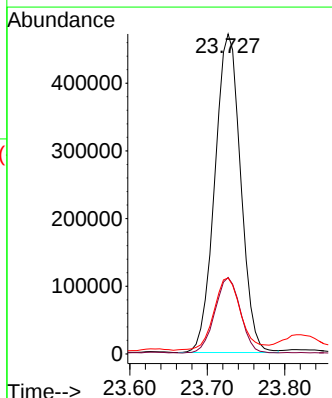
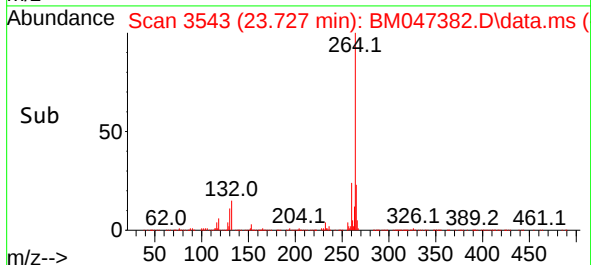
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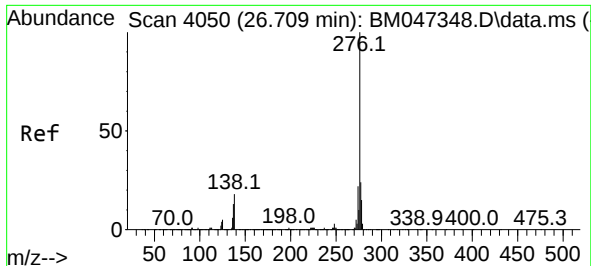


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.012 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44



Tgt Ion:264 Resp: 1089694
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 23.8 17.8 26.6





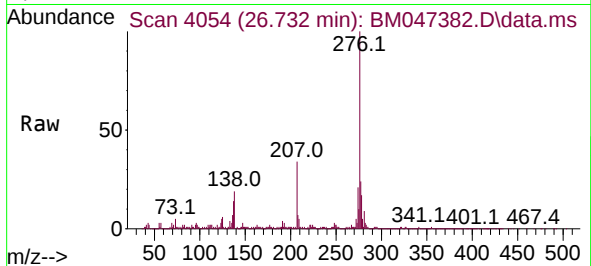
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.759 ng
RT: 26.732 min Scan# 4054
Delta R.T. 0.024 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

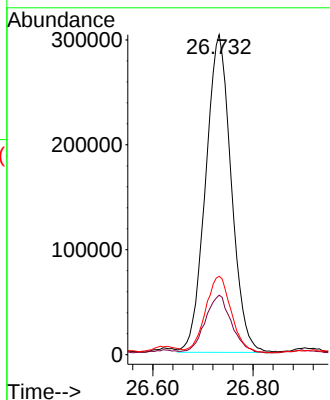
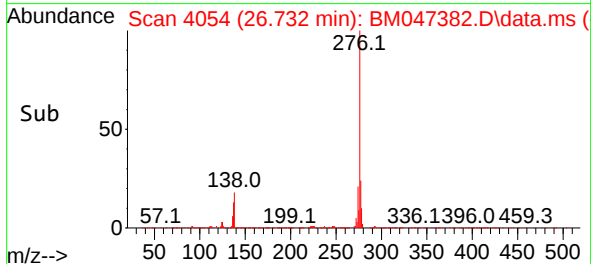
MOO-SOIL-PIEDL



Tgt Ion:276 Resp: 1074962
Ion Ratio Lower Upper
276 100
138 18.7 17.7 26.5
277 24.1 20.0 30.0

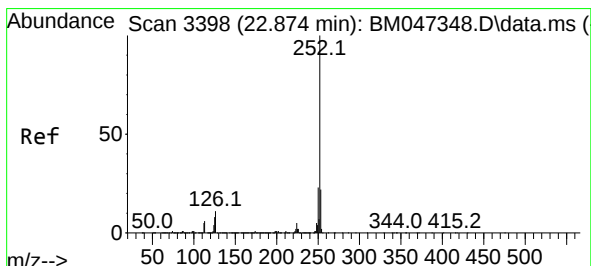
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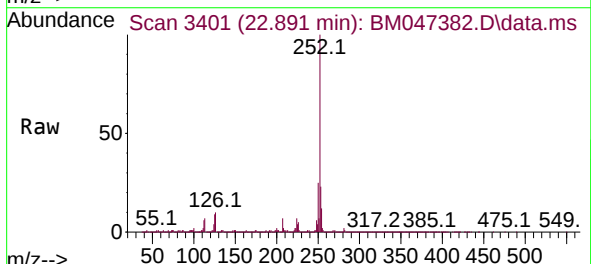


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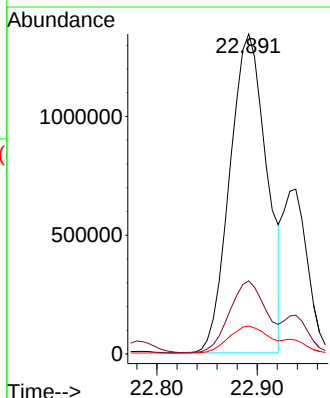
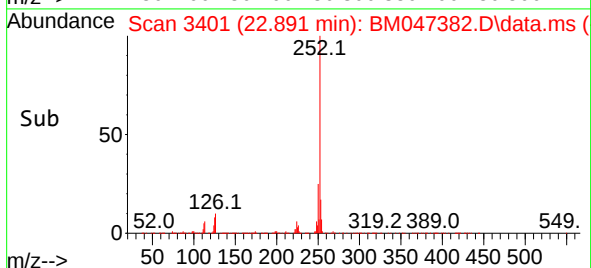
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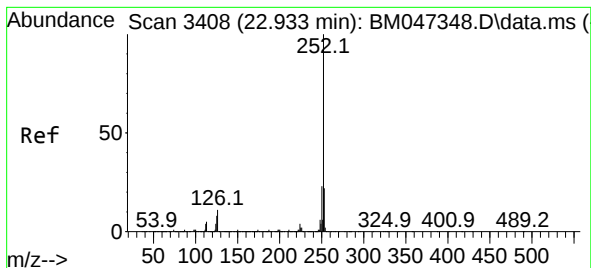


#88
Benzo(b)fluoranthene
Concen: 54.216 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.018 min
Lab File: BM047382.D
Acq: 28 Aug 2024 15:44



Tgt Ion:252 Resp: 3446806
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 8.8 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 19.040 ng m

RT: 22.939 min Scan# 3408

Delta R.T. 0.006 min

Lab File: BM047382.D

Acq: 28 Aug 2024 15:44

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PIEDL

Tgt Ion:252 Resp: 1147494

Ion Ratio Lower Upper

252 100

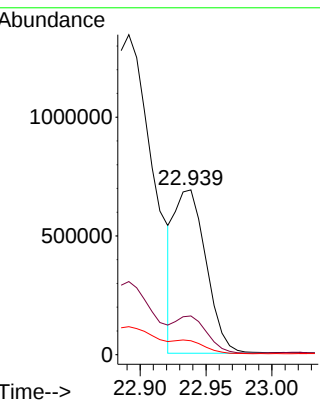
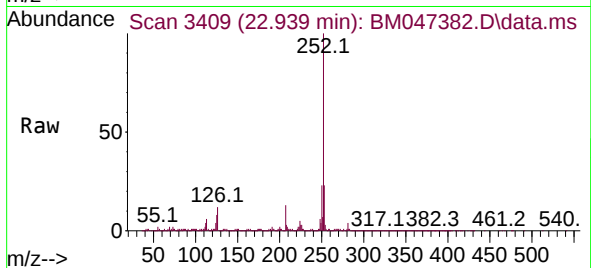
253 23.5 17.5 26.3

125 8.4 6.6 9.8

Manual Integrations

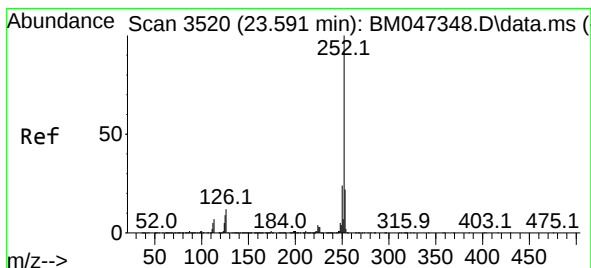
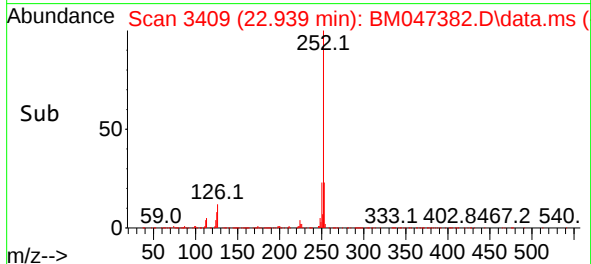
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#90

Benzo(a)pyrene

Concen: 23.989 ng

RT: 23.603 min Scan# 3522

Delta R.T. 0.012 min

Lab File: BM047382.D

Acq: 28 Aug 2024 15:44

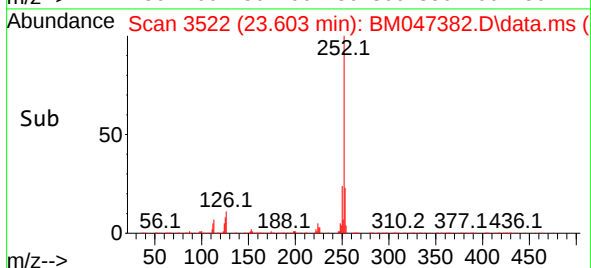
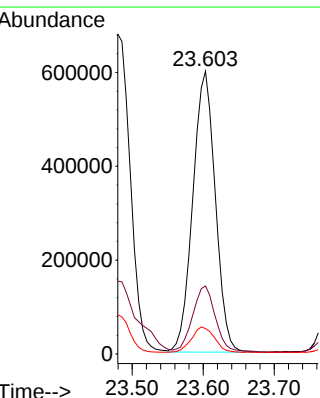
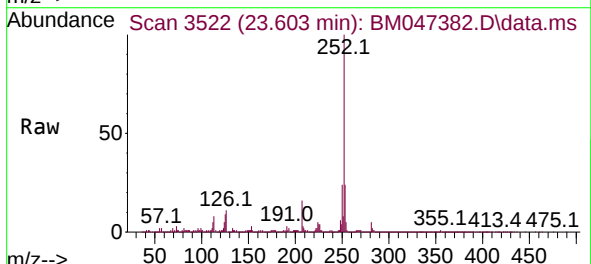
Tgt Ion:252 Resp: 1318869

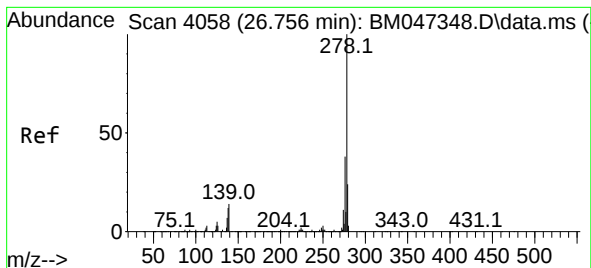
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 9.0 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 5.273 ng

RT: 26.762 min Scan# 4058

Delta R.T. 0.006 min

Lab File: BM047382.D

Acq: 28 Aug 2024 15:44

Instrument :

BNM

ClientSampleId :

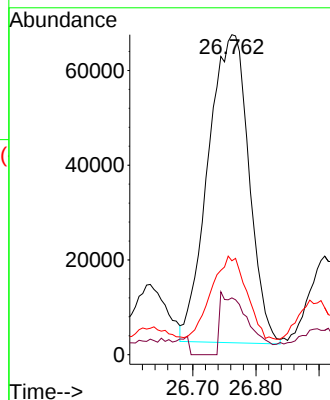
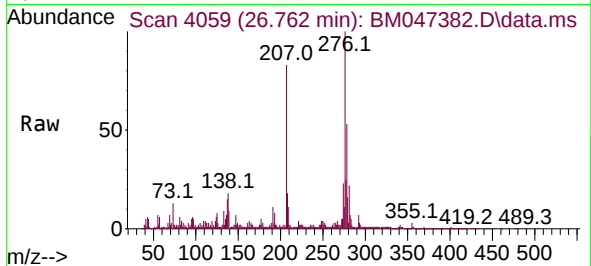
MOO-SOIL-PILEDL

Tgt Ion:278 Resp: 29142

Ion	Ratio	Lower	Upper
278	100		
139	17.8	11.1	16.7
279	29.3	19.2	28.8

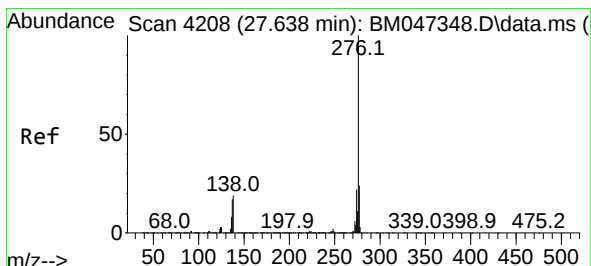
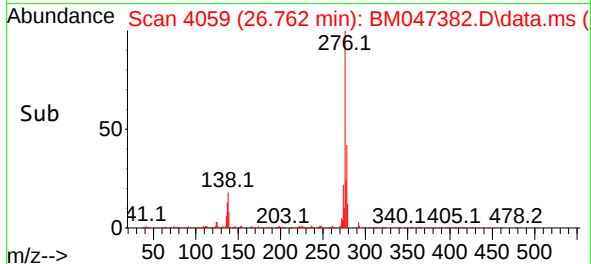
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ahmed

08/30/2024



#92

Benzo(g,h,i)perylene

Concen: 16.065 ng

RT: 27.662 min Scan# 4212

Delta R.T. 0.024 min

Lab File: BM047382.D

Acq: 28 Aug 2024 15:44

Tgt Ion:276 Resp: 922944

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	19.9	15.0	22.6

