

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031124\
 Data File : BM044580.D
 Acq On : 11 Mar 2024 16:48
 Operator : MA/JU
 Sample : P1601-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2024-01

Quant Time: Mar 12 00:06:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM031124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 14:02:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2024
 Supervised By :mohammad ahmed 03/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	5479	0.400	ng/ul	0.00
4) Naphthalene-d8	10.512	136	17513	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.371	164	9958	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.132	188	22309	0.400	ng/ul	0.01
17) Chrysene-d12	21.324	240	13576	0.400	ng/ul	0.00
23) Perylene-d12	23.584	264	13569	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.285	96	2914	0.406	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.118	152	9635	0.383	ng/ul	0.02
18) Fluoranthene-d10	19.159	212	20426	0.429	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.318	88	621m	0.085	ng/ul	
5) Naphthalene	10.561	128	3380	0.069	ng/ul#	92
7) 2-Methylnaphthalene	12.189	142	2059	0.066	ng/ul	99
8) 1-Methylnaphthalene	12.404	142	2146	0.068	ng/ul	99
10) Acenaphthylene	14.094	152	3454	0.068	ng/ul	94
11) Acenaphthene	14.436	153	2546	0.070	ng/ul	98
12) Fluorene	15.445	166	2801	0.067	ng/ul#	99
14) Pentachlorophenol	16.790	266	337	0.063	ng/ul	95
15) Phenanthrene	17.174	178	4491	0.067	ng/ul#	95
16) Anthracene	17.275	178	3510m	0.056	ng/ul	
19) Fluoranthene	19.192	202	4787	0.072	ng/ul#	93
20) Pyrene	19.554	202	4889	0.072	ng/ul#	94
21) Benzo(a)anthracene	21.316	228	2949	0.057	ng/ul	97
22) Chrysene	21.360	228	4364	0.075	ng/ul	97
24) Benzo(b)fluoranthene	22.905	252	3376	0.065	ng/ul#	41
25) Benzo(k)fluoranthene	22.955	252	3977	0.071	ng/ul#	43
26) Benzo(a)pyrene	23.496	252	3208	0.068	ng/ul#	3
27) Indeno(1,2,3-cd)pyrene	25.914	276	3137	0.058	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.954	278	2694m	0.065	ng/ul	
29) Benzo(g,h,i)perylene	26.584	276	3132	0.066	ng/ul#	80

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

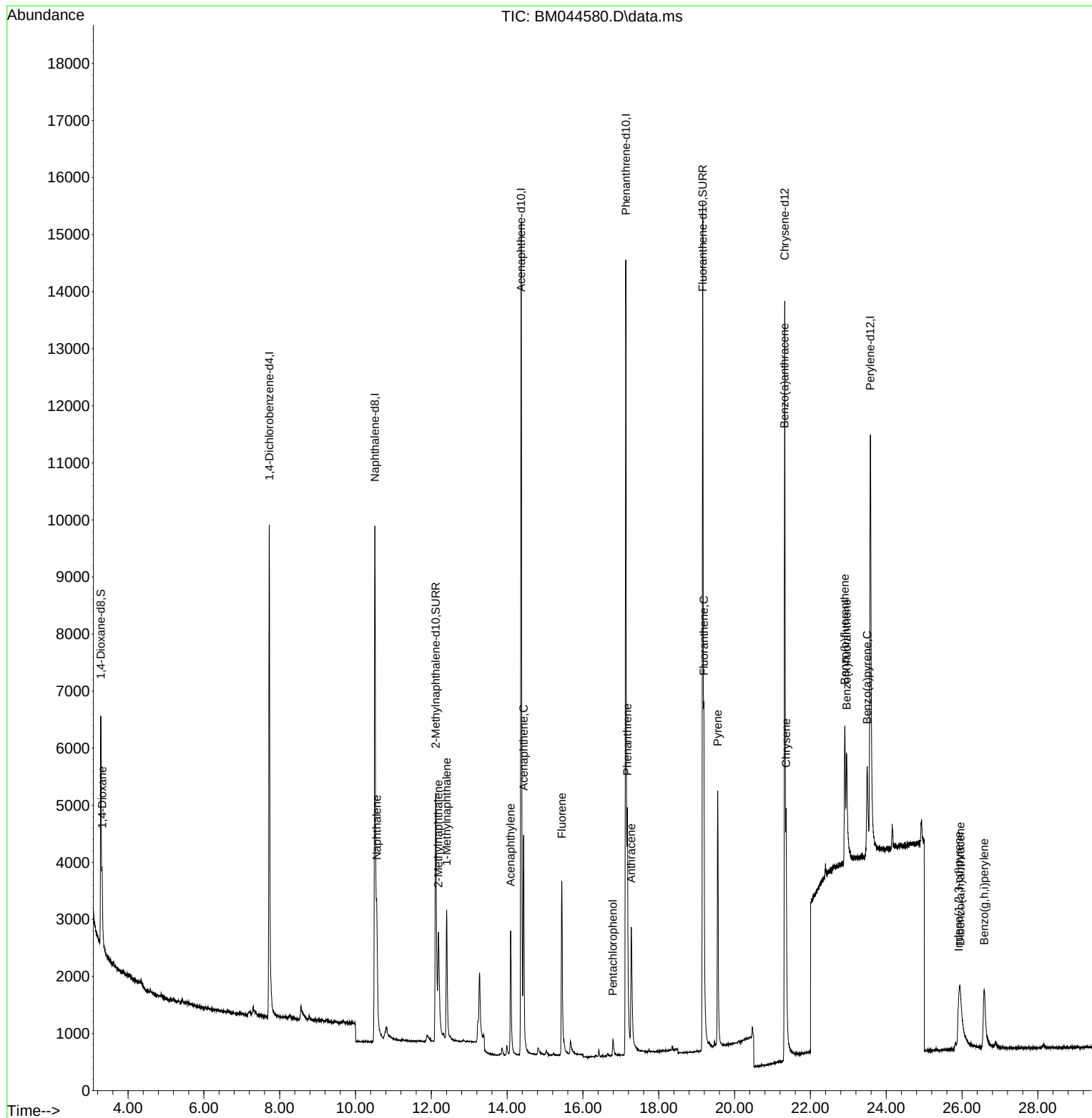
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031124\
Data File : BM044580.D
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Misc : SFAM-SIM-MDL-SOIL-01
ALS Vial : 12 Sample Multiplier: 1

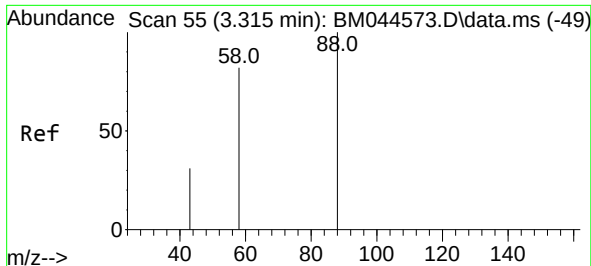
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01

Quant Time: Mar 12 00:06:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM031124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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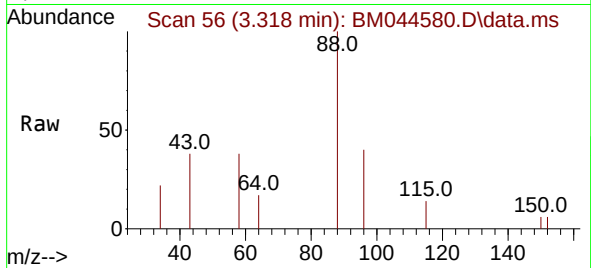
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024





#2
1,4-Dioxane
Concen: 0.085 ng/ul m
RT: 3.318 min Scan# 50
Delta R.T. 0.004 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

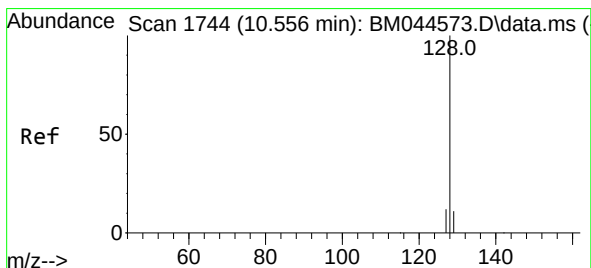
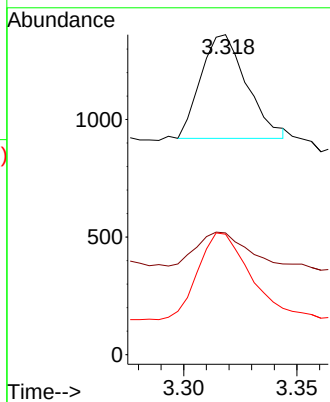
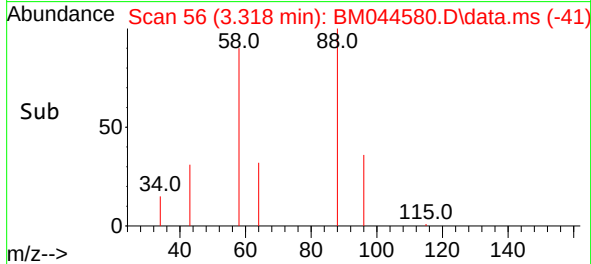
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 38.1 21.4 32.0#
58 37.6 35.6 53.4

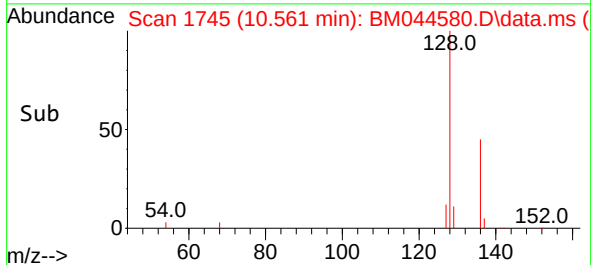
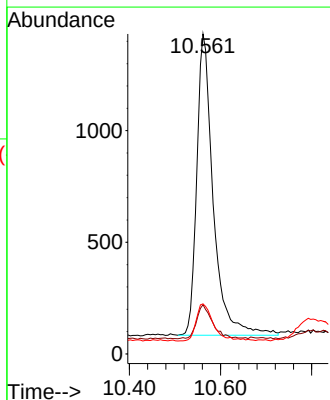
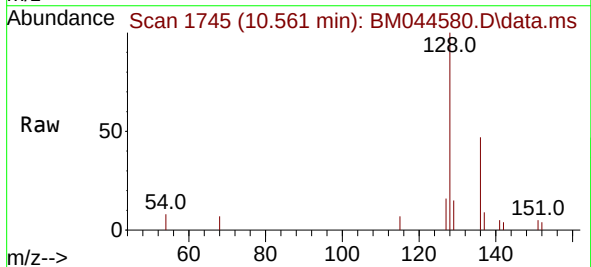
Manual Integrations
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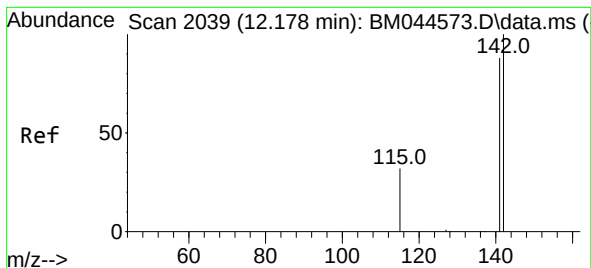
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.561 min Scan# 1745
Delta R.T. 0.005 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

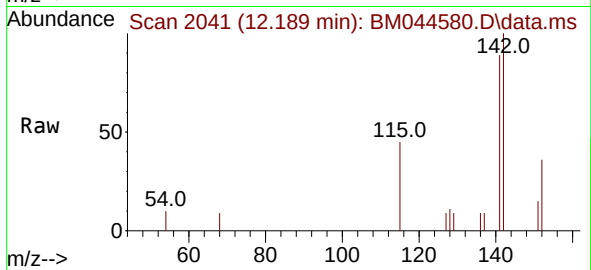
Tgt Ion:128 Resp: 3380
Ion Ratio Lower Upper
128 100
129 15.4 9.2 13.8#
127 15.6 10.3 15.5#





#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.189 min Scan# 2041
Delta R.T. 0.011 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

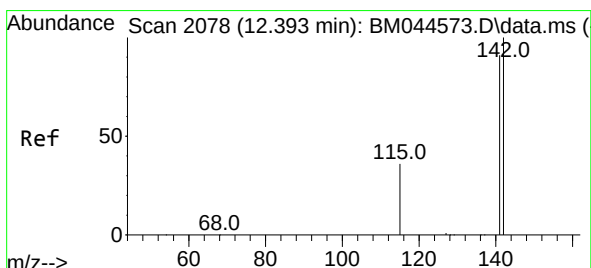
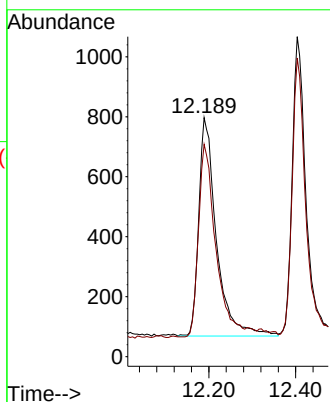
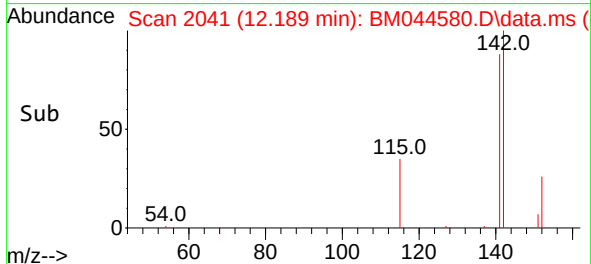
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BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



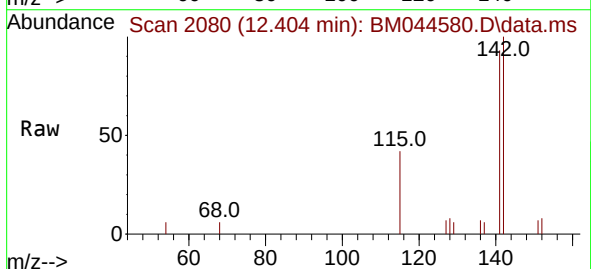
Tgt Ion:142 Resp: 2059
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.6

Manual Integrations
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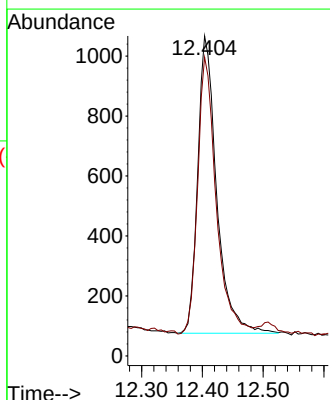
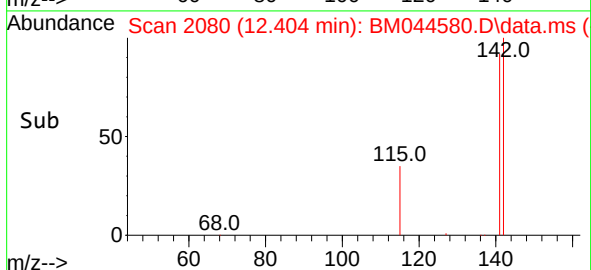
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024

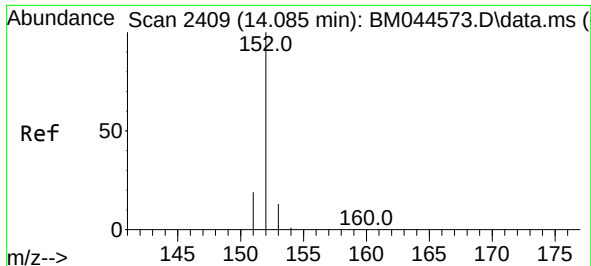


#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.404 min Scan# 2080
Delta R.T. 0.011 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48



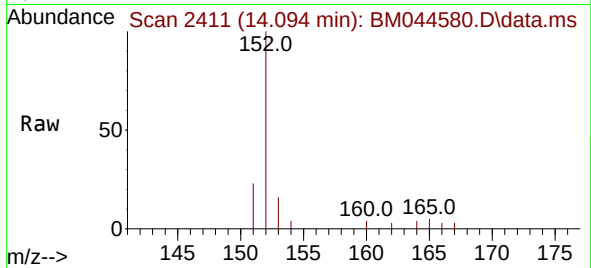
Tgt Ion:142 Resp: 2146
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7





#10
Acenaphthylene
Concen: 0.068 ng/u1
RT: 14.094 min Scan# 2411
Delta R.T. 0.009 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

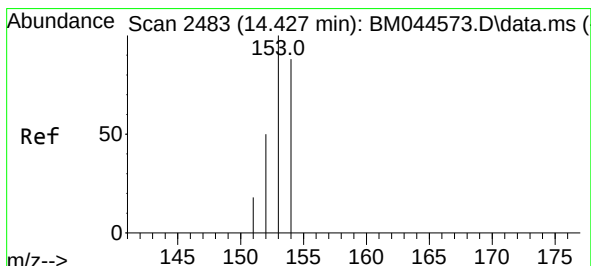
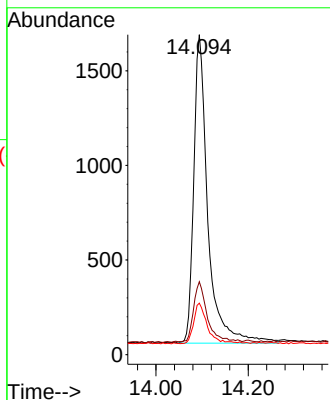
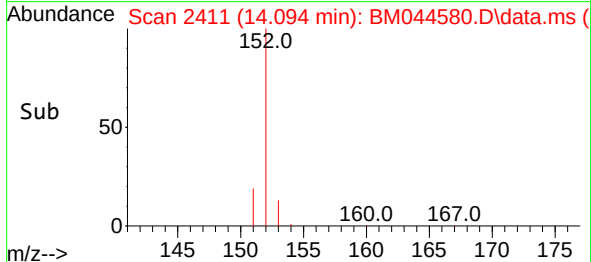
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:152 Resp: 3454
Ion Ratio Lower Upper
152 100
151 22.8 15.8 23.8
153 16.1 10.8 16.2

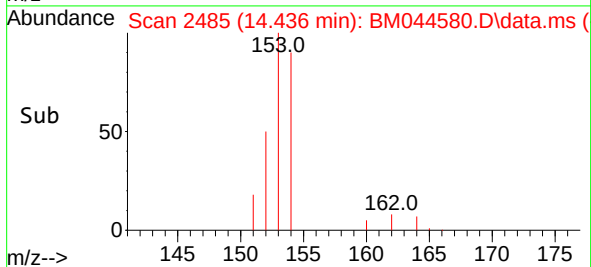
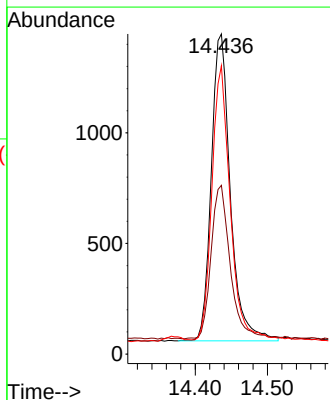
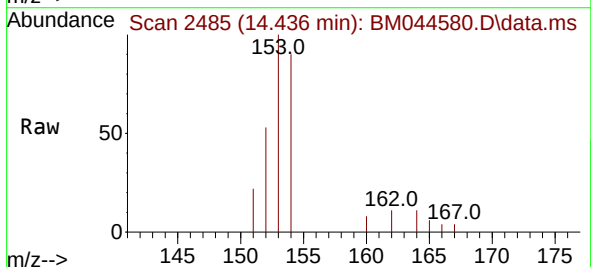
Manual Integrations
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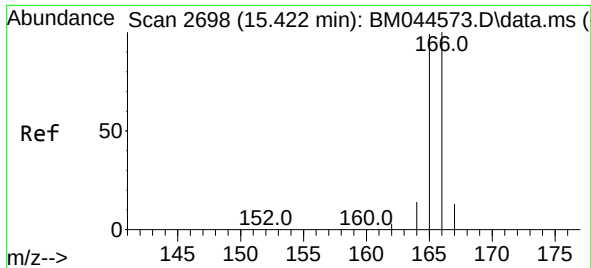
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#11
Acenaphthene
Concen: 0.070 ng/u1
RT: 14.436 min Scan# 2485
Delta R.T. 0.009 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

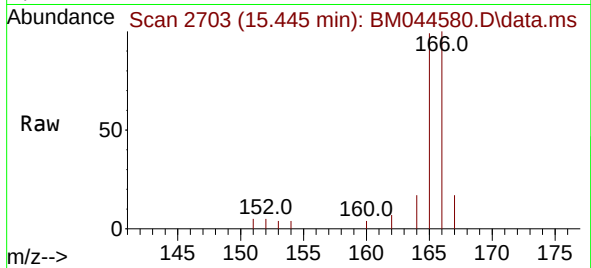
Tgt Ion:153 Resp: 2546
Ion Ratio Lower Upper
153 100
152 52.7 40.7 61.1
154 90.0 70.6 106.0





#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.445 min Scan# 2703
Delta R.T. 0.023 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

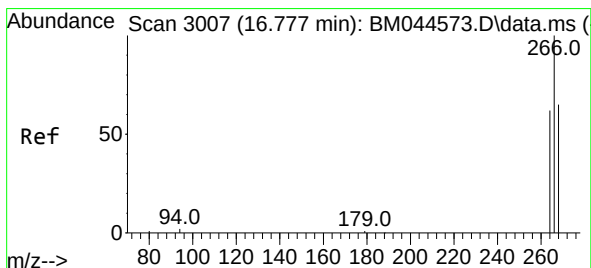
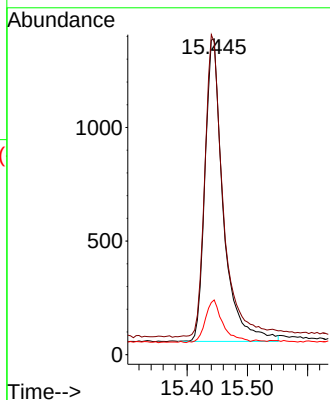
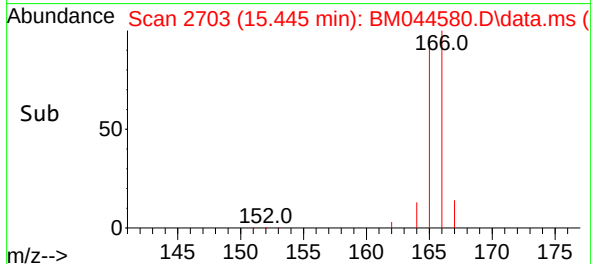
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:166 Resp: 280
Ion Ratio Lower Upper
166 100
165 98.8 79.4 119.0
167 17.3 11.0 16.6

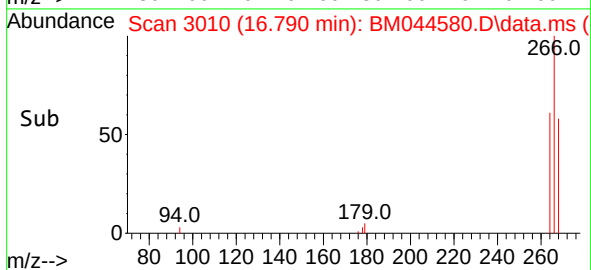
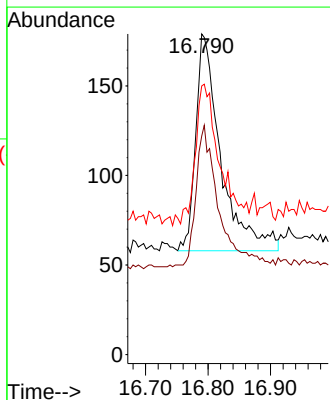
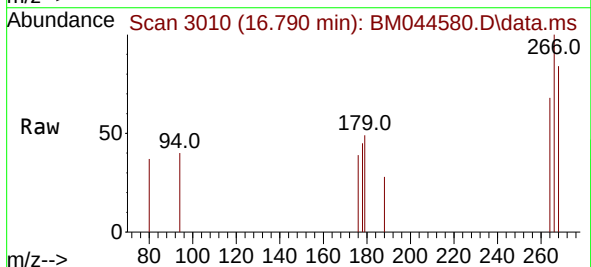
Manual Integrations
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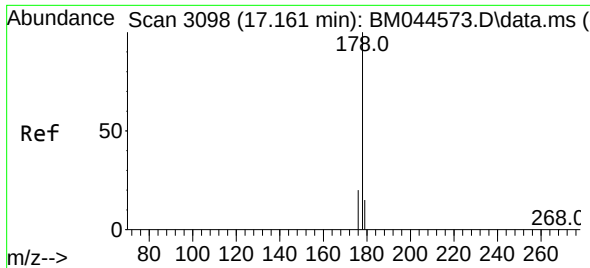
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#14
Pentachlorophenol
Concen: 0.063 ng/ul
RT: 16.790 min Scan# 3010
Delta R.T. 0.012 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

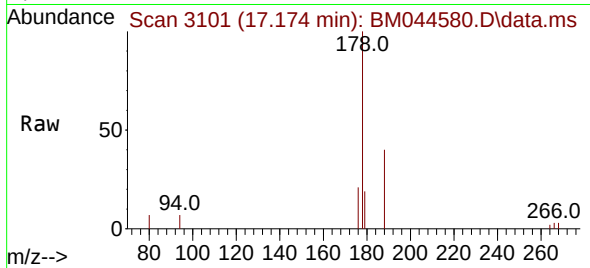
Tgt Ion:266 Resp: 337
Ion Ratio Lower Upper
266 100
264 59.1 49.5 74.3
268 64.4 48.1 72.1





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.174 min Scan# 3101
Delta R.T. 0.012 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

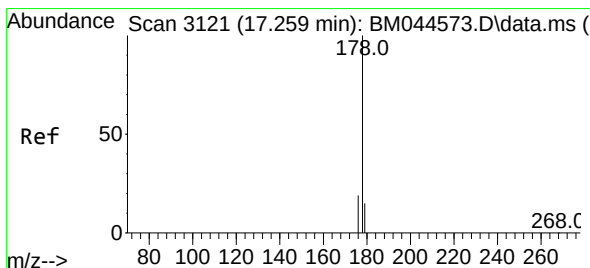
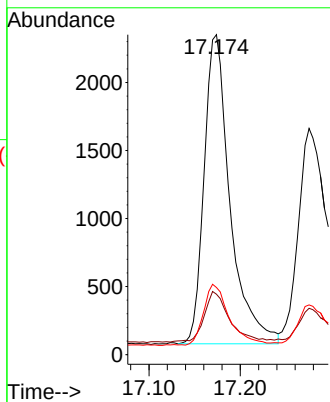
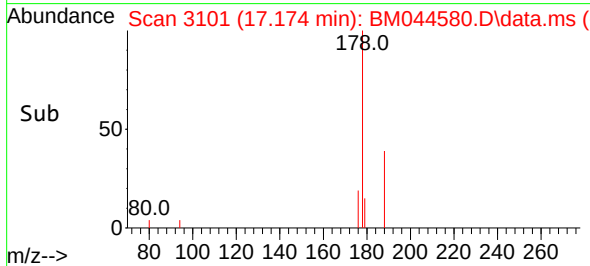
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:178 Resp: 449
Ion Ratio Lower Upper
178 100
179 18.9 12.5 18.7
176 21.0 15.8 23.8

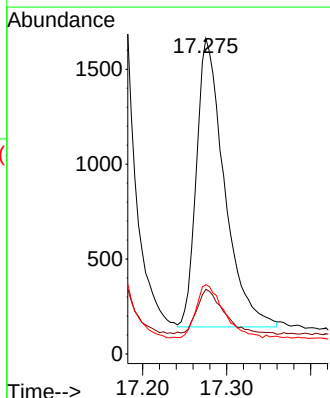
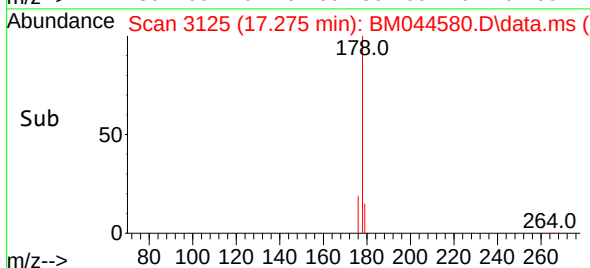
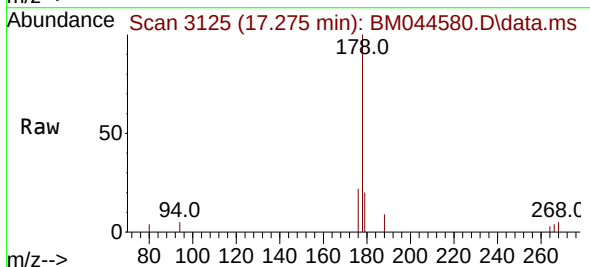
Manual Integrations
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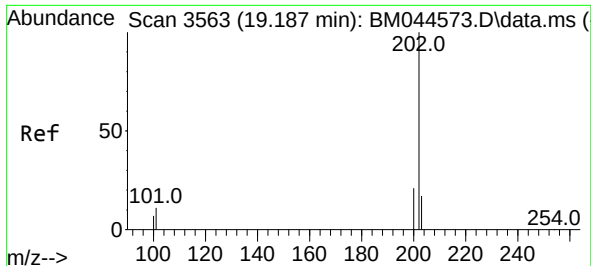
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#16
Anthracene
Concen: 0.056 ng/ul m
RT: 17.275 min Scan# 3125
Delta R.T. 0.017 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

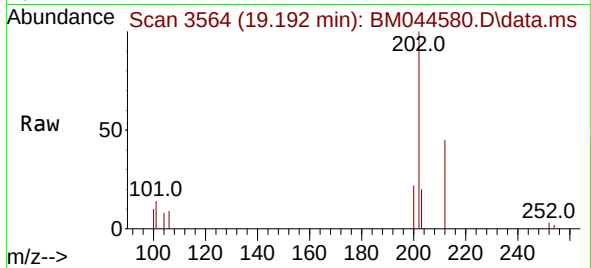
Tgt Ion:178 Resp: 3510
Ion Ratio Lower Upper
178 100
179 20.5 12.8 19.2
176 22.0 15.2 22.8





#19
Fluoranthene
Concen: 0.072 ng/ul
RT: 19.192 min Scan# 3564
Delta R.T. 0.004 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

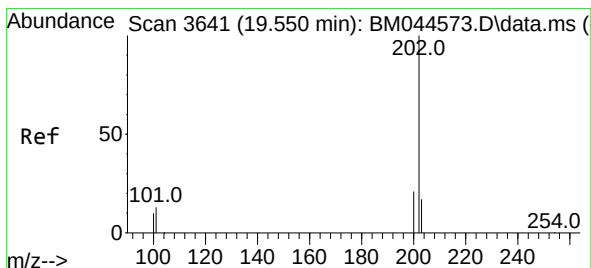
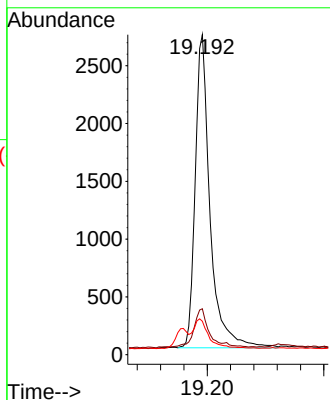
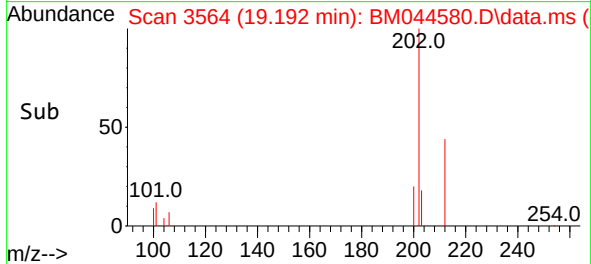
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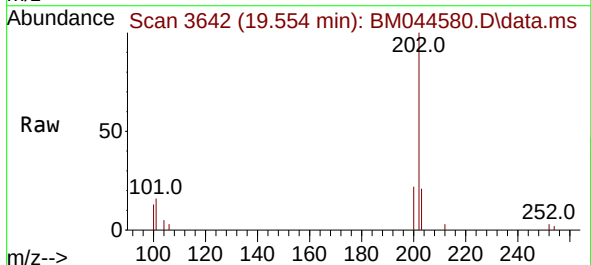
Tgt Ion:202 Resp: 4785
Ion Ratio Lower Upper
202 100
101 14.4 9.0 13.4
100 10.5 6.8 10.2

Manual Integrations
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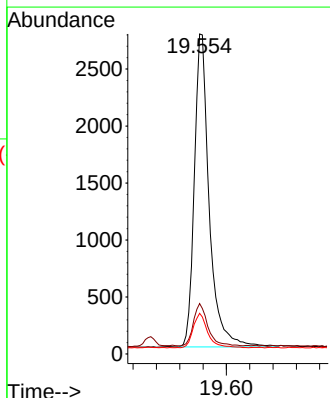
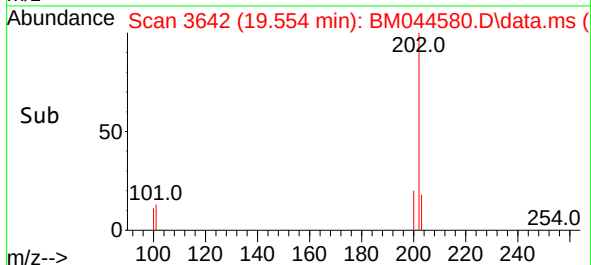
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024

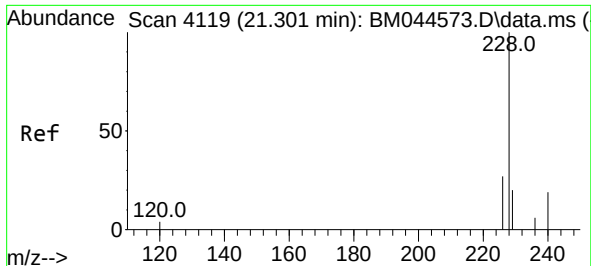


#20
Pyrene
Concen: 0.072 ng/ul
RT: 19.554 min Scan# 3642
Delta R.T. 0.004 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48



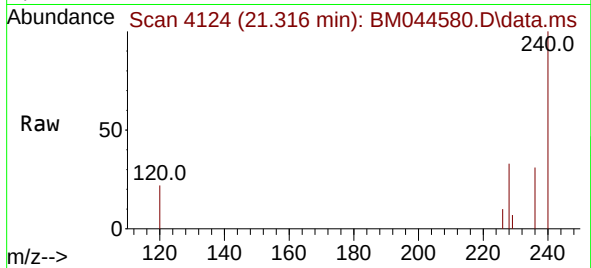
Tgt Ion:202 Resp: 4889
Ion Ratio Lower Upper
202 100
101 15.8 10.8 16.2
100 12.7 8.4 12.6





#21
Benzo(a)anthracene
Concen: 0.057 ng/u1
RT: 21.316 min Scan# 4119
Delta R.T. 0.014 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

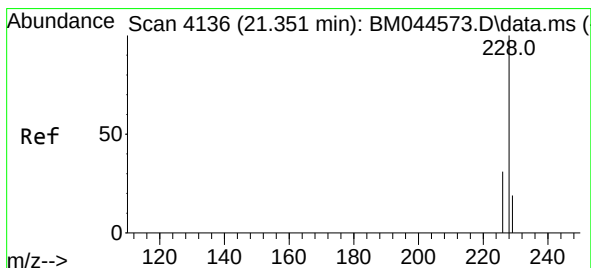
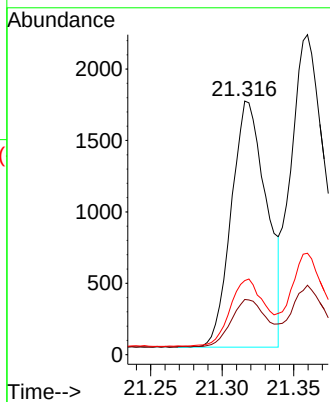
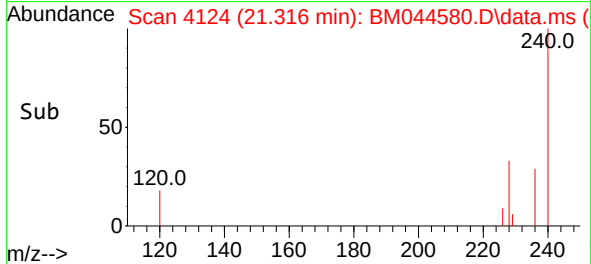
Instrument :
BNA_M
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MDL-SOIL-QT1-2024-01



Tgt Ion:228 Resp: 2949
Ion Ratio Lower Upper
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226 29.2 22.2 33.2

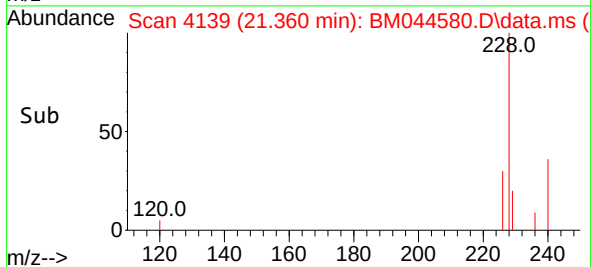
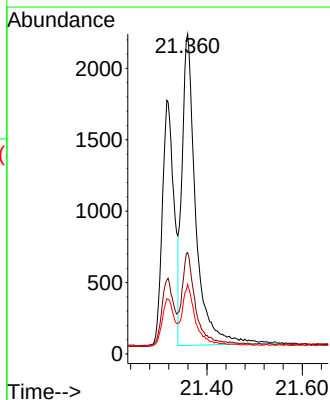
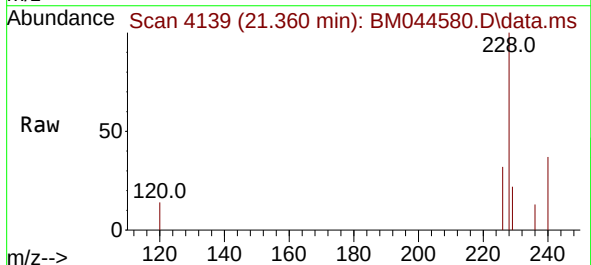
Manual Integrations
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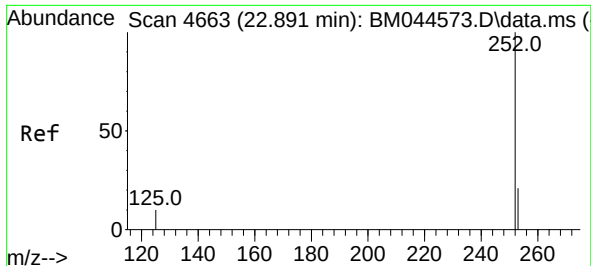
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#22
Chrysene
Concen: 0.075 ng/u1
RT: 21.360 min Scan# 4139
Delta R.T. 0.008 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

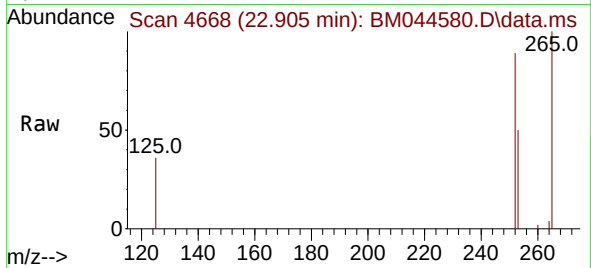
Tgt Ion:228 Resp: 4364
Ion Ratio Lower Upper
228 100
226 31.7 24.6 37.0
229 21.7 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.065 ng/ul
RT: 22.905 min Scan# 4668
Delta R.T. 0.014 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

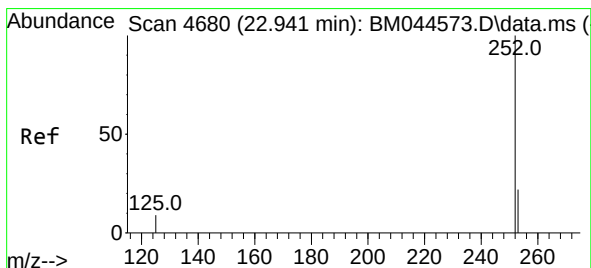
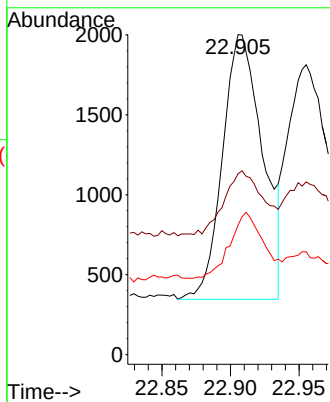
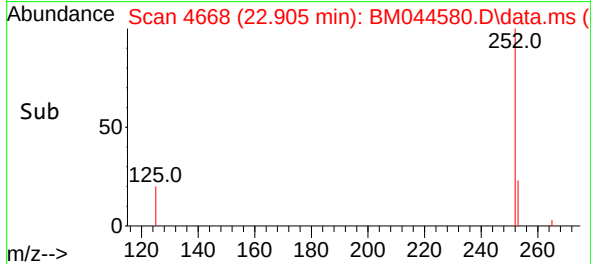
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:252 Resp: 3370
Ion Ratio Lower Upper
252 100
253 56.6 0.0 54.6
125 40.4 0.0 28.6

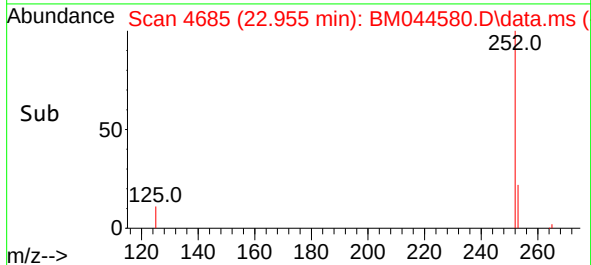
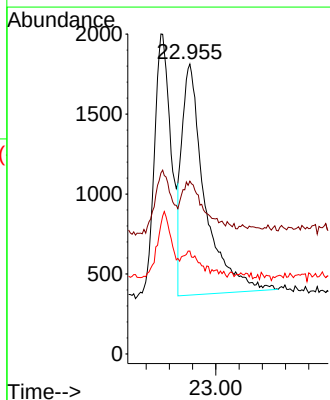
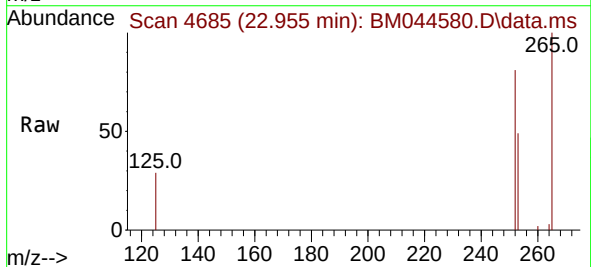
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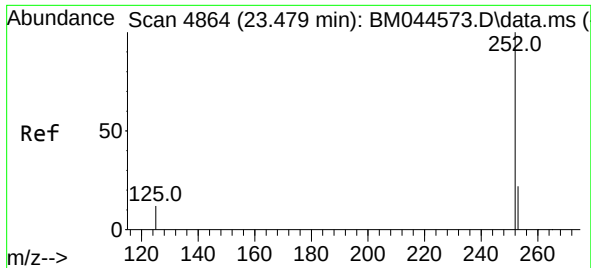
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 22.955 min Scan# 4685
Delta R.T. 0.014 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

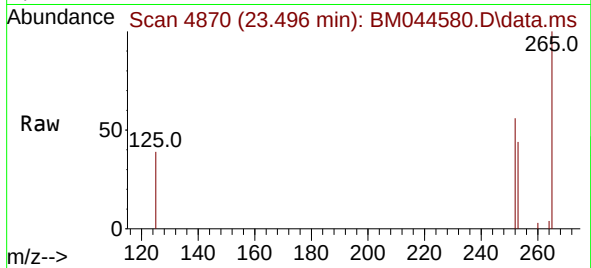
Tgt Ion:252 Resp: 3977
Ion Ratio Lower Upper
252 100
253 59.6 22.6 33.8#
125 35.5 11.4 17.2#





#26
Benzo(a)pyrene
Concen: 0.068 ng/ul
RT: 23.496 min Scan# 4864
Delta R.T. 0.017 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

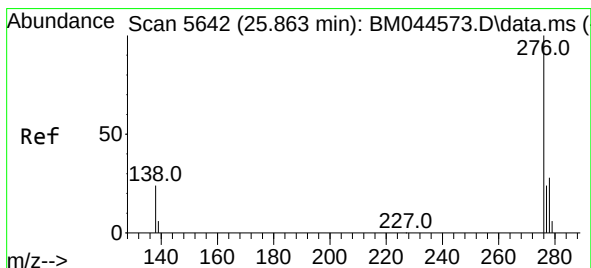
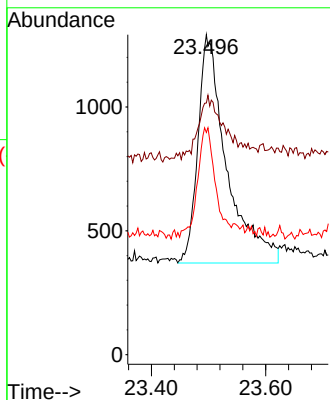
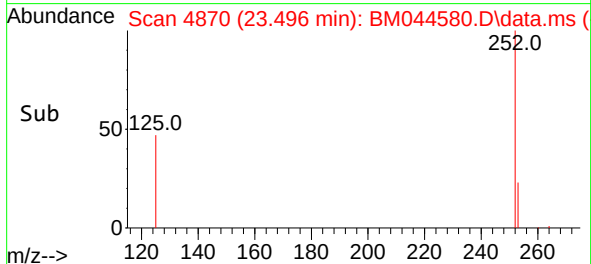
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



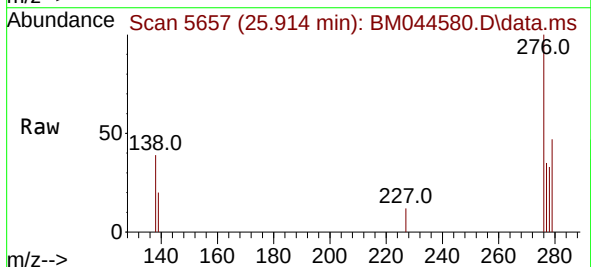
Tgt Ion:252 Resp: 3208
Ion Ratio Lower Upper
252 100
253 78.6 25.2 37.8
125 69.4 14.2 21.4

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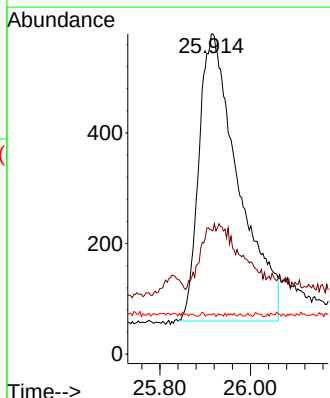
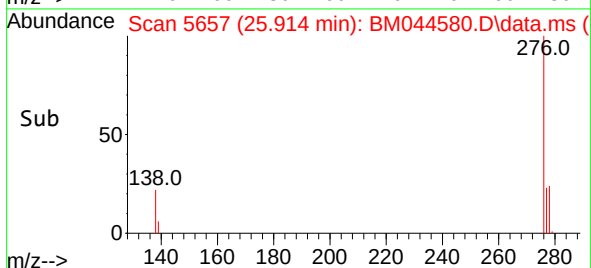
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024

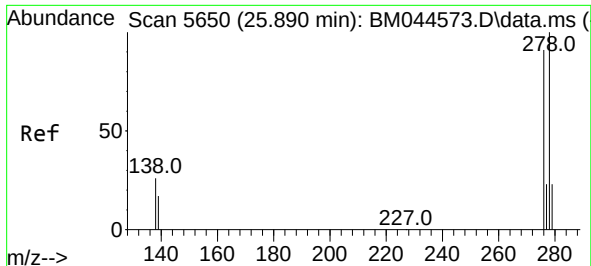


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.058 ng/ul
RT: 25.914 min Scan# 5657
Delta R.T. 0.050 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48



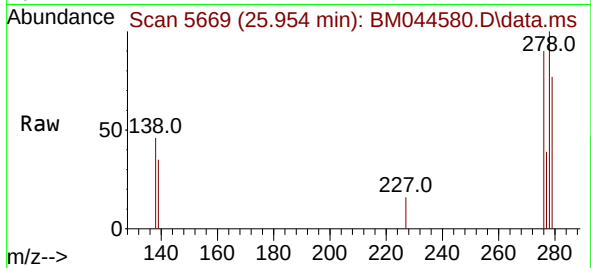
Tgt Ion:276 Resp: 3137
Ion Ratio Lower Upper
276 100
138 24.3 21.9 32.9
227 0.1 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul m
RT: 25.954 min Scan# 5669
Delta R.T. 0.063 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

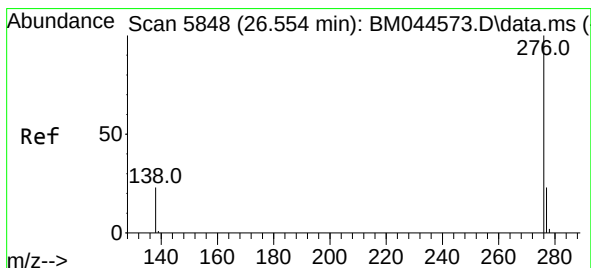
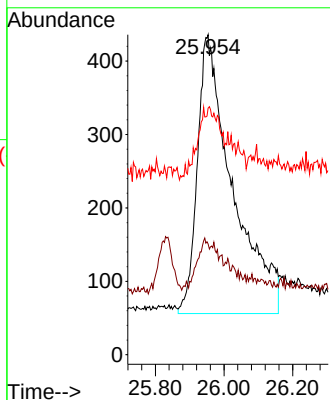
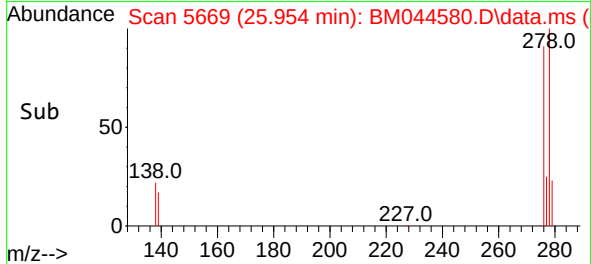
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:278 Resp: 2694
Ion Ratio Lower Upper
278 100
139 34.6 15.9 23.9#
279 77.1 24.1 36.1#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 26.584 min Scan# 5857
Delta R.T. 0.030 min
Lab File: BM044580.D
Acq: 11 Mar 2024 16:48

Tgt Ion:276 Resp: 3132
Ion Ratio Lower Upper
276 100
138 36.7 20.1 30.1#
277 32.7 19.6 29.4#

