

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101823\
 Data File : BM042354.D
 Acq On : 18 Oct 2023 17:42
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-SIM-SOIL- MDL- 01
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Oct 18 18:50:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 14:30:27 2023
 Response via : Initial Calibration

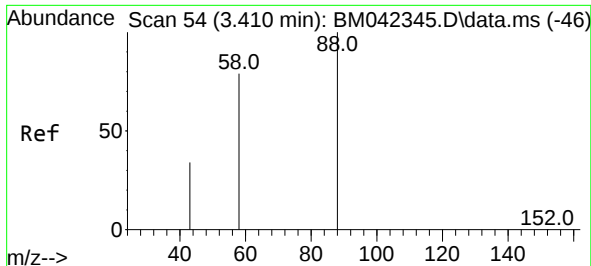
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

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

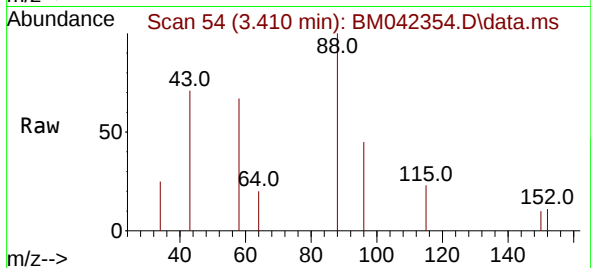
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.017	152	3438	0.400	ng/ul	0.00
4) Naphthalene-d8	10.839	136	8955	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3746	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7067	0.400	ng/ul	0.00
17) Chrysene-d12	21.585	240	3064	0.400	ng/ul	0.00
23) Perylene-d12	24.055	264	3003	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2133	0.420	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4145	0.376	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5465	0.394	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.410	88	559m	0.104	ng/ul	
5) Naphthalene	10.889	128	1965	0.069	ng/ul#	87
7) 2-Methylnaphthalene	12.495	142	1137	0.068	ng/ul	94
8) 1-Methylnaphthalene	12.709	142	1142	0.067	ng/ul	96
10) Acenaphthylene	14.384	152	1572	0.070	ng/ul#	90
11) Acenaphthene	14.717	153	1270	0.069	ng/ul	96
12) Fluorene	15.707	166	1358	0.068	ng/ul#	95
14) Pentachlorophenol	17.046	266	171	0.063	ng/ul	92
15) Phenanthrene	17.447	178	2123	0.069	ng/ul#	92
16) Anthracene	17.548	178	1671m	0.064	ng/ul	
19) Fluoranthene	19.454	202	2254	0.067	ng/ul#	92
20) Pyrene	19.826	202	2269	0.065	ng/ul	95
21) Benzo(a)anthracene	21.568	228	1549	0.068	ng/ul	93
22) Chrysene	21.623	228	1766	0.075	ng/ul	95
24) Benzo(b)fluoranthene	23.289	252	1759	0.072	ng/ul	55
25) Benzo(k)fluoranthene	23.342	252	1616	0.070	ng/ul#	51
26) Benzo(a)pyrene	23.944	252	1407	0.073	ng/ul#	37
27) Indeno(1,2,3-cd)pyrene	26.656	276	1791	0.072	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.683	278	1266	0.071	ng/ul#	67
29) Benzo(g,h,i)perylene	27.461	276	1625	0.076	ng/ul#	81

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



#2
1,4-Dioxane
Concen: 0.104 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. -0.000 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

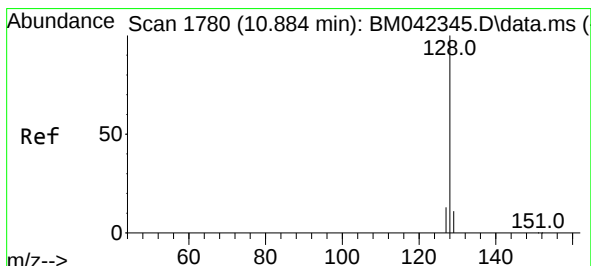
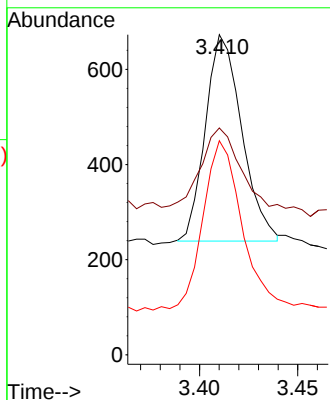
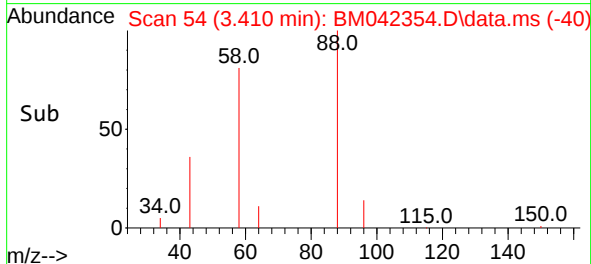
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion: 88 Resp: 559
Ion Ratio Lower Upper
88 100
43 70.9 41.0 61.6
58 66.9 60.9 91.3

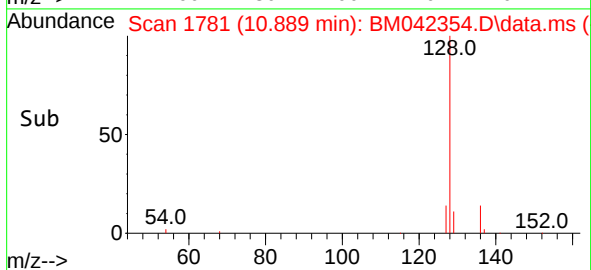
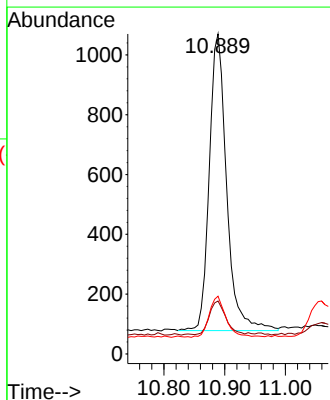
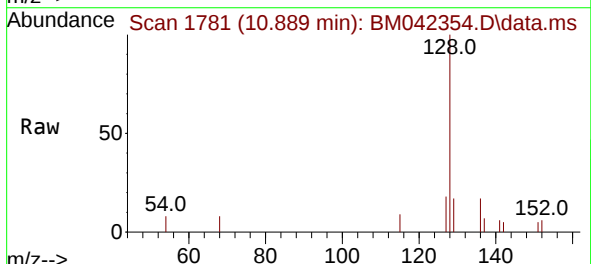
Manual Integrations
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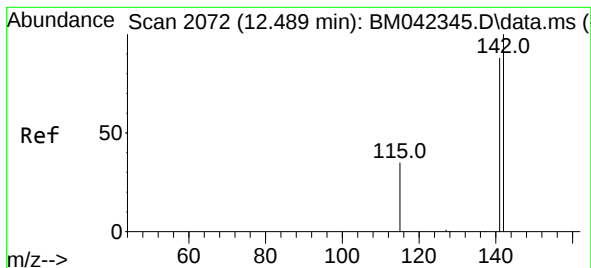
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.889 min Scan# 1781
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

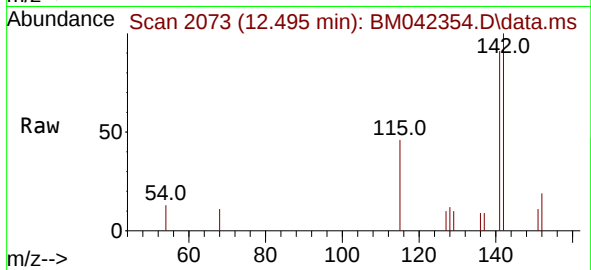
Tgt Ion:128 Resp: 1965
Ion Ratio Lower Upper
128 100
129 16.5 9.0 13.6#
127 18.0 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.495 min Scan# 2073
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

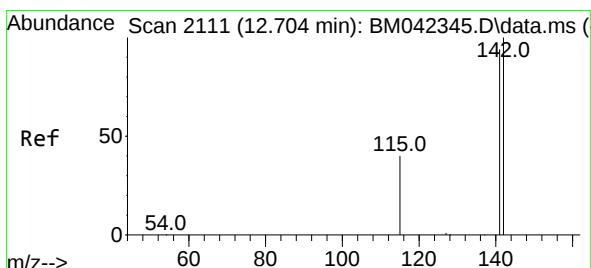
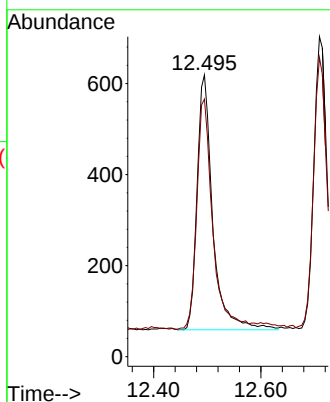
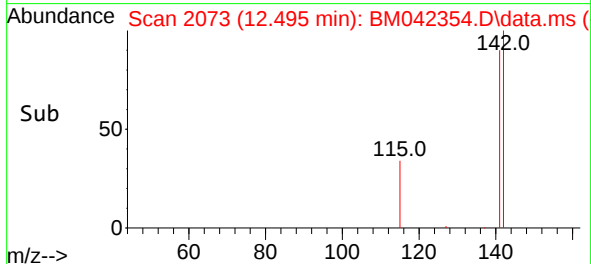
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



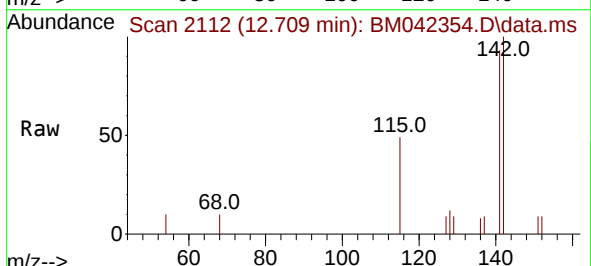
Tgt Ion:142 Resp: 113
Ion Ratio Lower Upper
142 100
141 95.8 71.9 107.9

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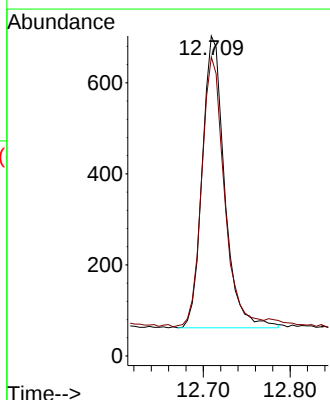
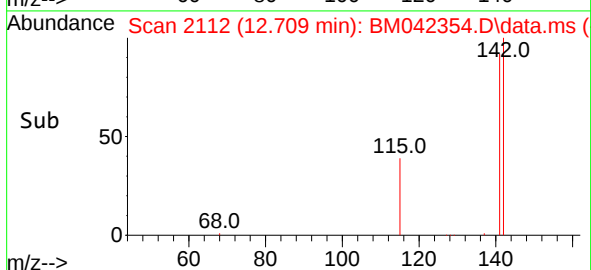
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

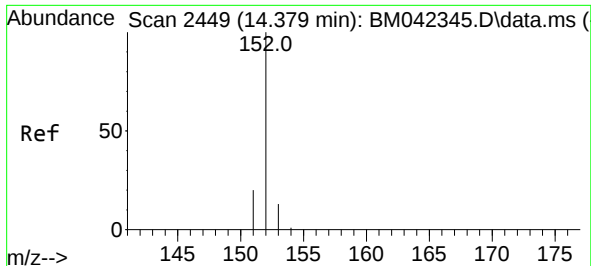


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42



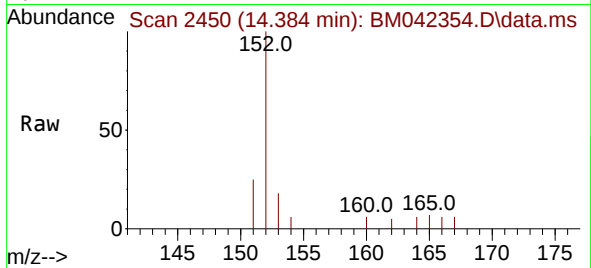
Tgt Ion:142 Resp: 1142
Ion Ratio Lower Upper
142 100
141 95.4 73.7 110.5





#10
Acenaphthylene
Concen: 0.070 ng/u1
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

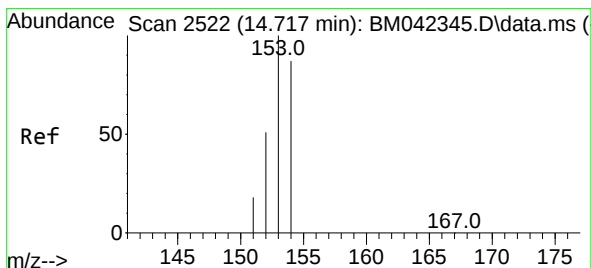
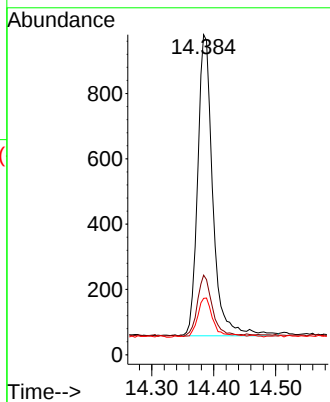
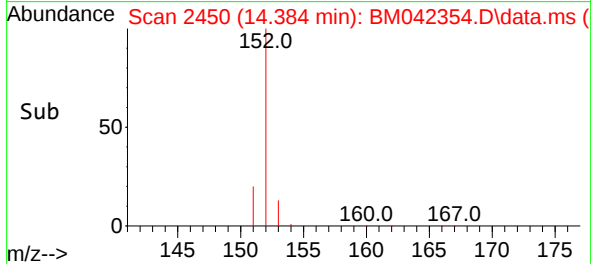
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:152 Resp: 1572
Ion Ratio Lower Upper
152 100
151 24.9 16.2 24.4
153 17.7 10.8 16.2

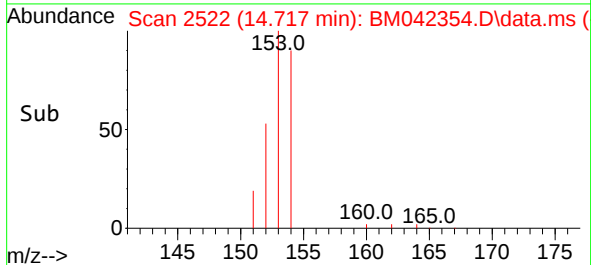
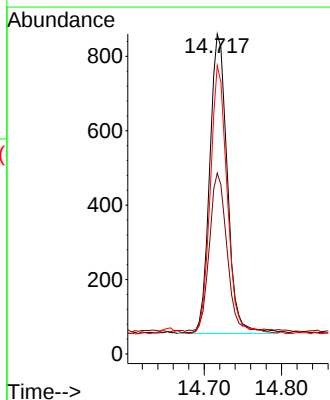
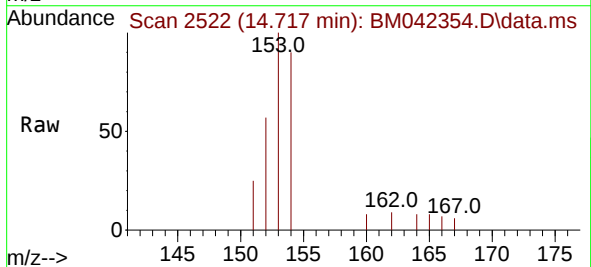
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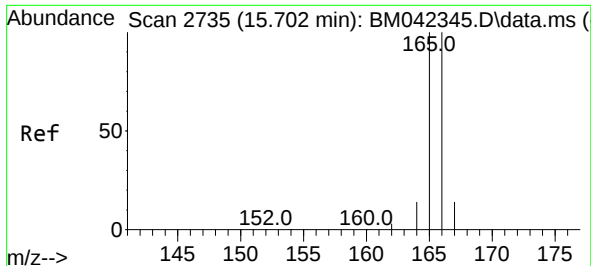
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.069 ng/u1
RT: 14.717 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

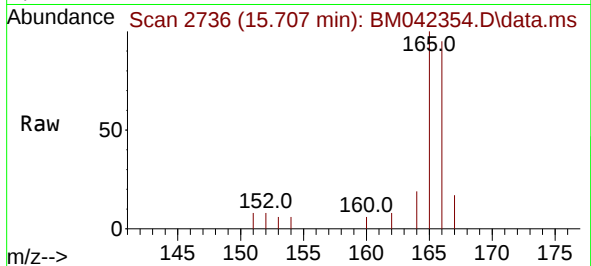
Tgt Ion:153 Resp: 1270
Ion Ratio Lower Upper
153 100
152 56.5 41.7 62.5
154 90.1 70.0 105.0





#12
Fluorene
Concen: 0.068 ng/ul
RT: 15.707 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

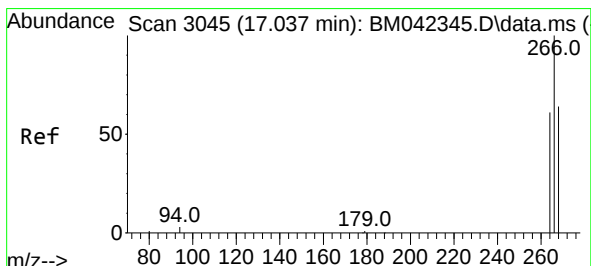
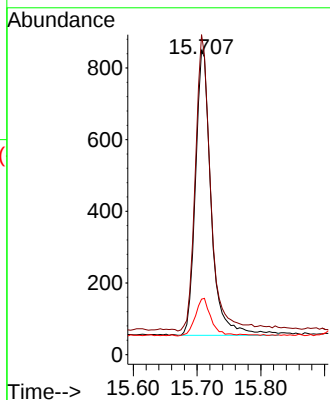
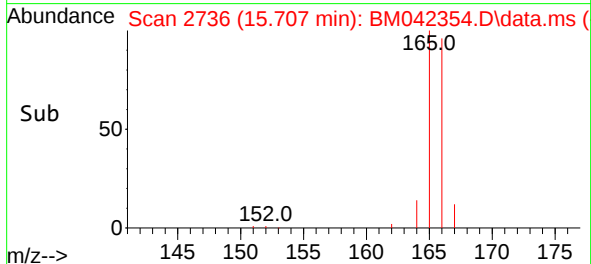
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:166 Resp: 135
Ion Ratio Lower Upper
166 100
165 105.2 80.3 120.5
167 18.3 11.4 17.2

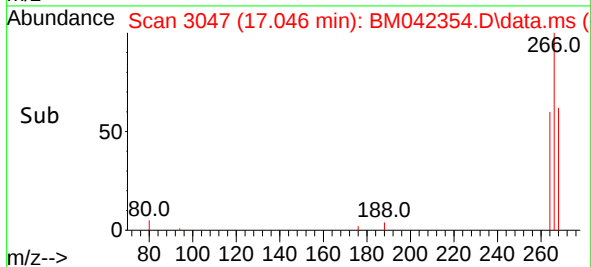
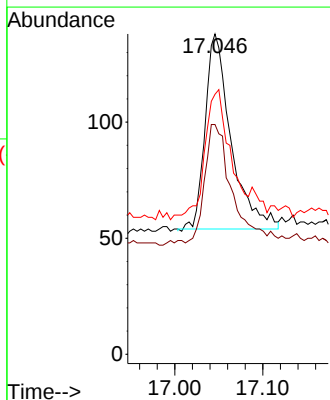
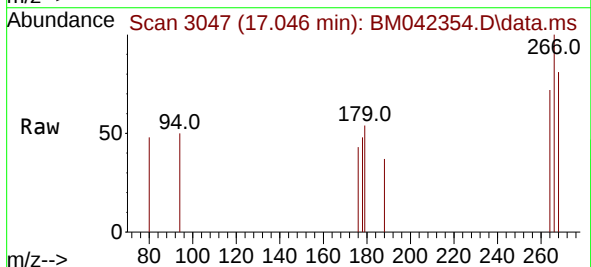
Manual Integrations
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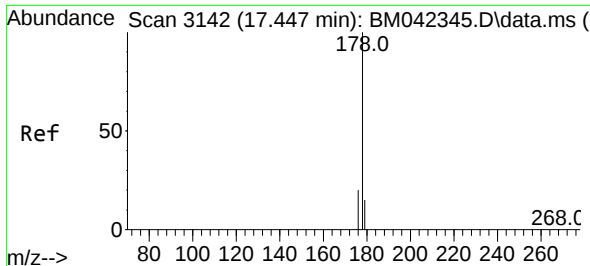
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#14
Pentachlorophenol
Concen: 0.063 ng/ul
RT: 17.046 min Scan# 3047
Delta R.T. 0.008 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

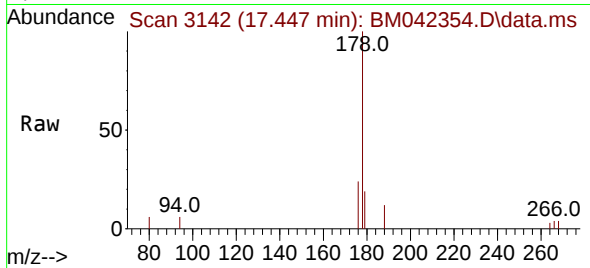
Tgt Ion:266 Resp: 171
Ion Ratio Lower Upper
266 100
264 64.3 49.8 74.8
268 75.4 51.9 77.9





#15
Phenanthrene
Concen: 0.069 ng/ul
RT: 17.447 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

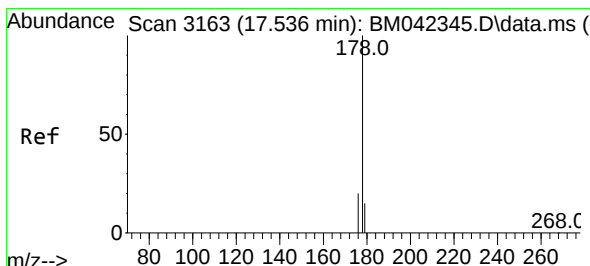
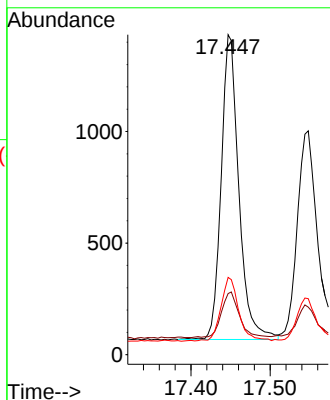
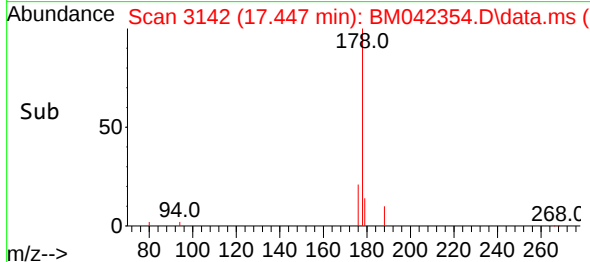
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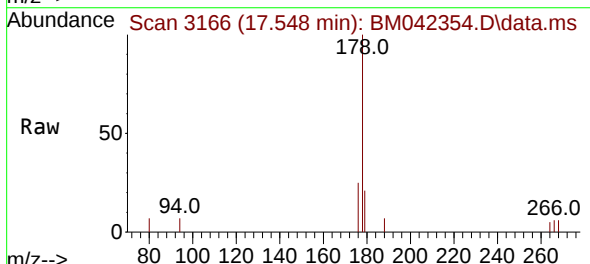
Tgt Ion:178 Resp: 212
Ion Ratio Lower Upper
178 100
179 19.1 12.6 19.0#
176 24.1 16.4 24.6

Manual Integrations
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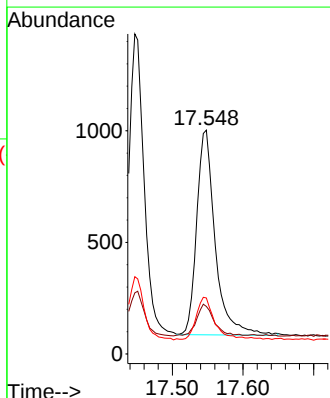
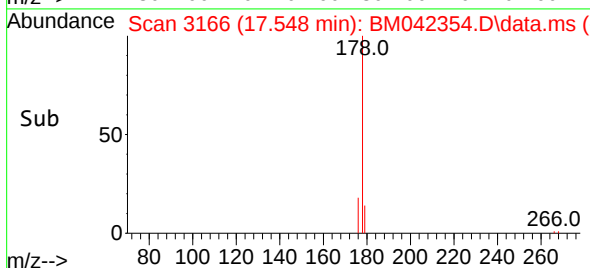
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

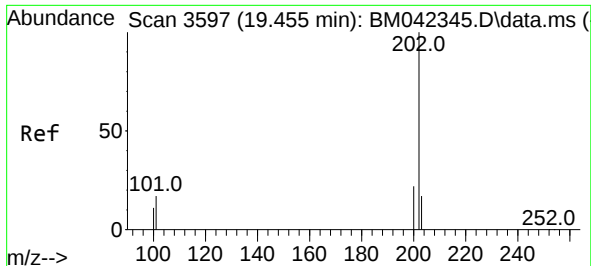


#16
Anthracene
Concen: 0.064 ng/ul m
RT: 17.548 min Scan# 3166
Delta R.T. 0.013 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42



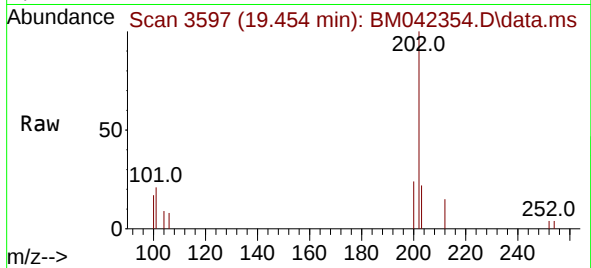
Tgt Ion:178 Resp: 1671
Ion Ratio Lower Upper
178 100
179 21.2 12.9 19.3#
176 25.0 16.4 24.6#





#19
Fluoranthene
Concen: 0.067 ng/ul
RT: 19.454 min Scan# 3597
Delta R.T. -0.000 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

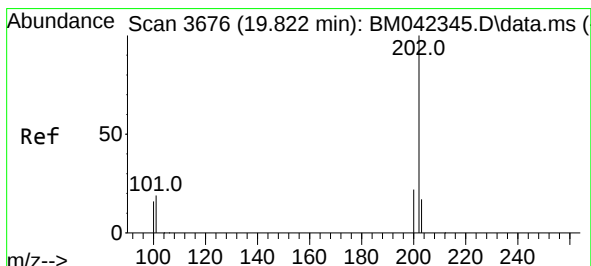
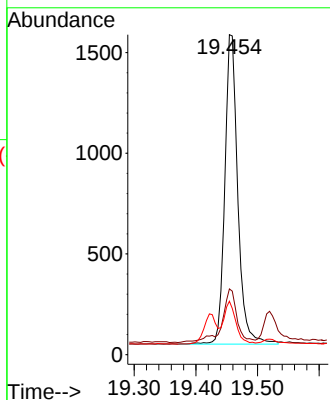
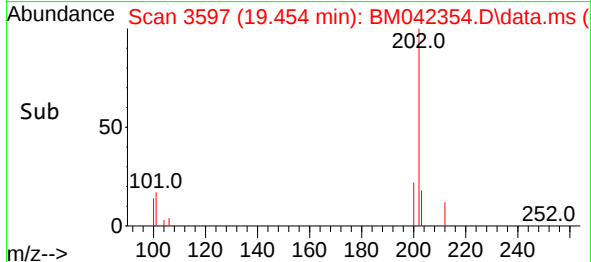
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:202 Resp: 2254
Ion Ratio Lower Upper
202 100
101 20.5 14.0 21.0
100 16.7 10.4 15.6

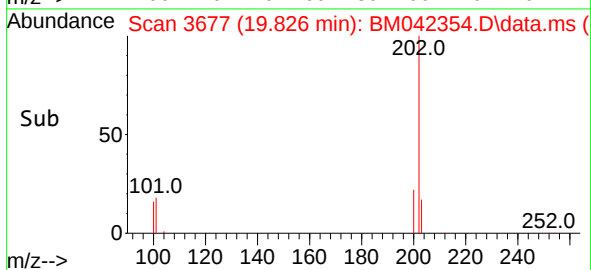
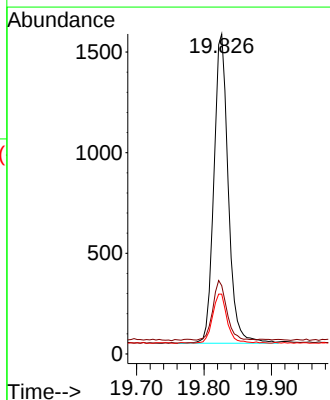
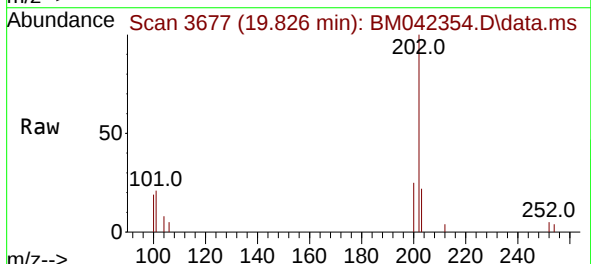
Manual Integrations
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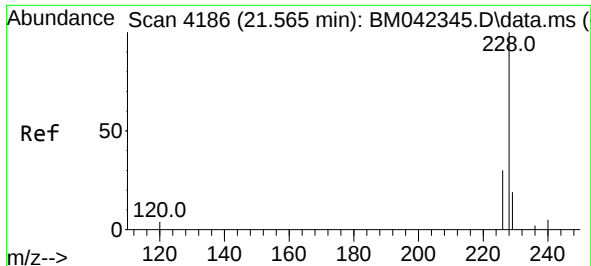
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#20
Pyrene
Concen: 0.065 ng/ul
RT: 19.826 min Scan# 3677
Delta R.T. 0.005 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

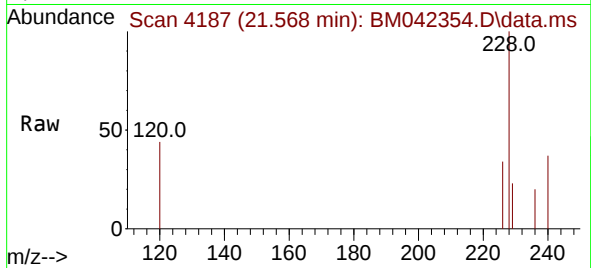
Tgt Ion:202 Resp: 2269
Ion Ratio Lower Upper
202 100
101 21.3 15.8 23.8
100 18.7 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.068 ng/u1
RT: 21.568 min Scan# 4186
Delta R.T. 0.003 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

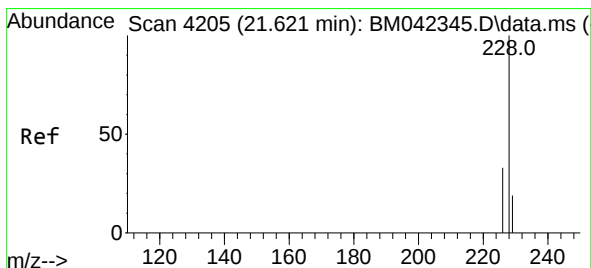
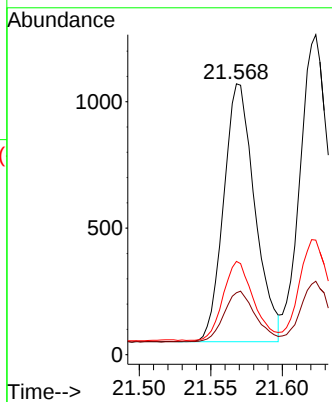
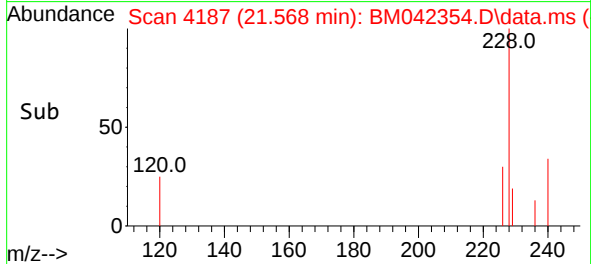
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:228 Resp: 1549
Ion Ratio Lower Upper
228 100
229 22.9 15.6 23.4
226 34.5 24.7 37.1

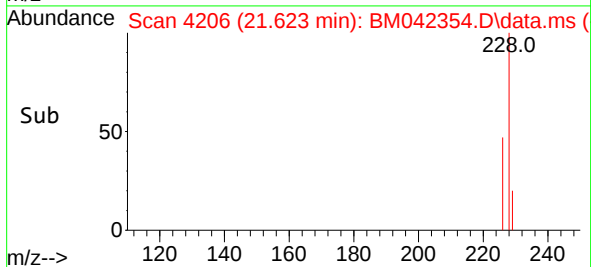
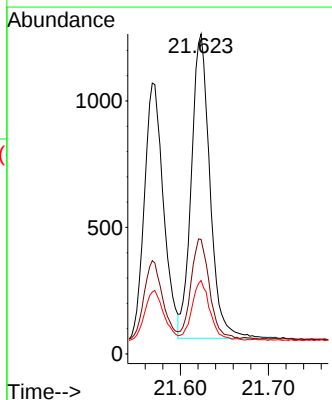
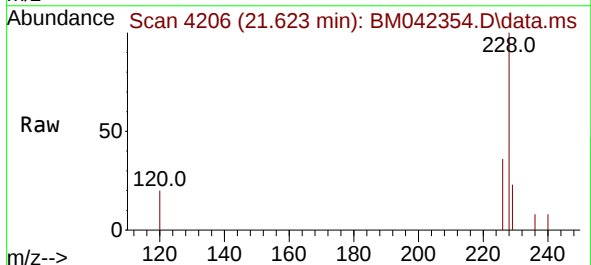
Manual Integrations
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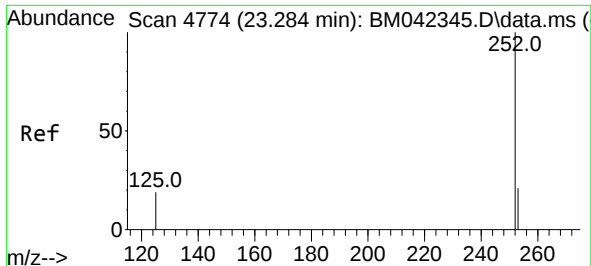
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#22
Chrysene
Concen: 0.075 ng/u1
RT: 21.623 min Scan# 4206
Delta R.T. 0.003 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

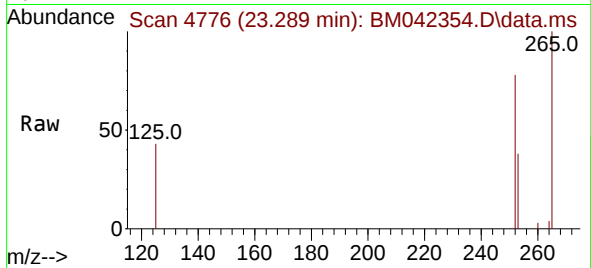
Tgt Ion:228 Resp: 1766
Ion Ratio Lower Upper
228 100
226 35.8 27.1 40.7
229 22.9 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.072 ng/ul
RT: 23.289 min Scan# 4774
Delta R.T. 0.006 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

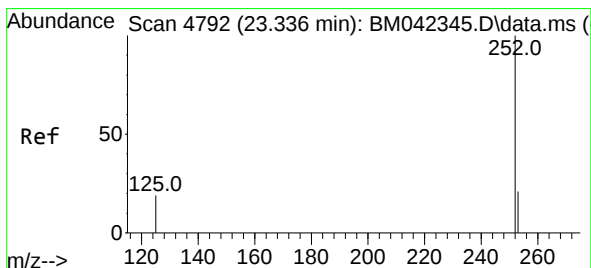
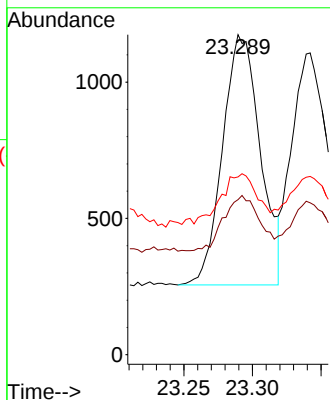
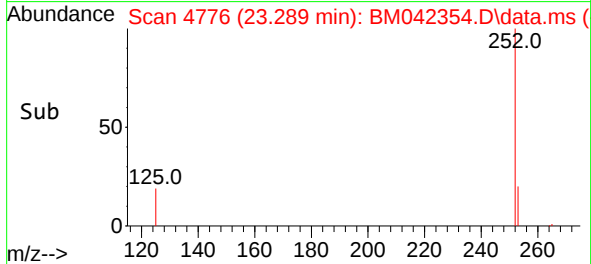
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



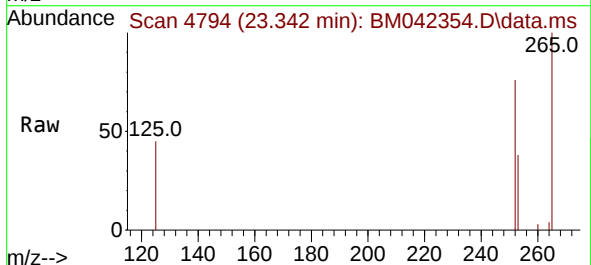
Tgt Ion:252 Resp: 1759
Ion Ratio Lower Upper
252 100
253 48.5 0.0 56.4
125 55.5 0.0 56.0

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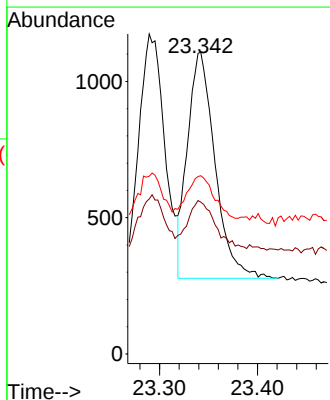
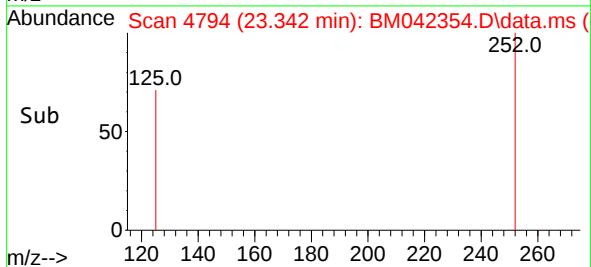
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

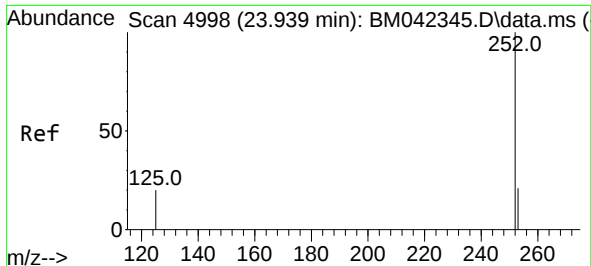


#25
Benzo(k)fluoranthene
Concen: 0.070 ng/ul
RT: 23.342 min Scan# 4794
Delta R.T. 0.006 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42



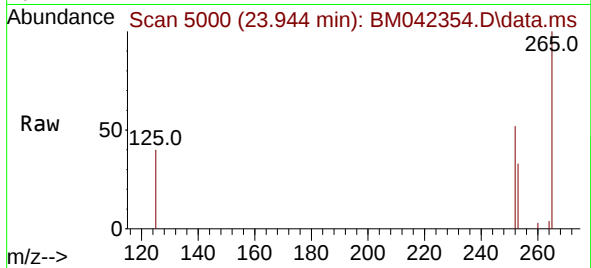
Tgt Ion:252 Resp: 1616
Ion Ratio Lower Upper
252 100
253 50.3 22.7 34.1#
125 59.1 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.073 ng/ul
RT: 23.944 min Scan# 5000
Delta R.T. 0.006 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

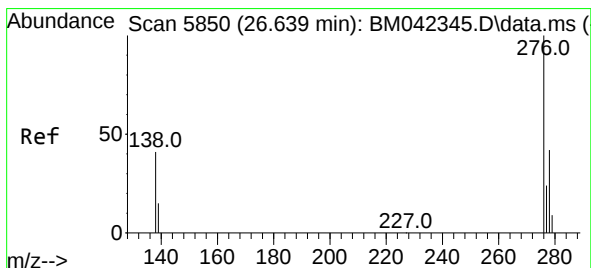
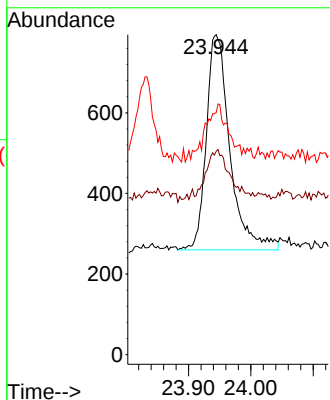
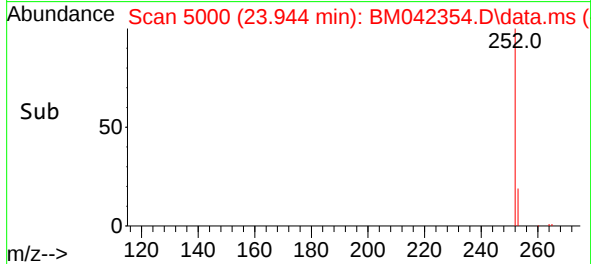
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:252 Resp: 140
Ion Ratio Lower Upper
252 100
253 63.6 26.3 39.5
125 75.7 27.7 41.5

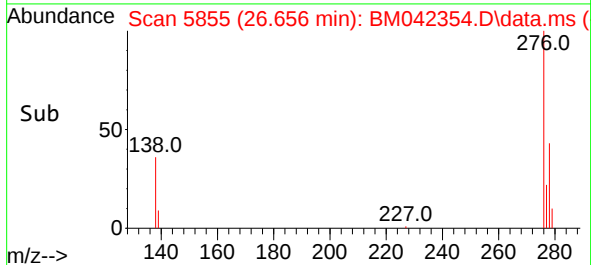
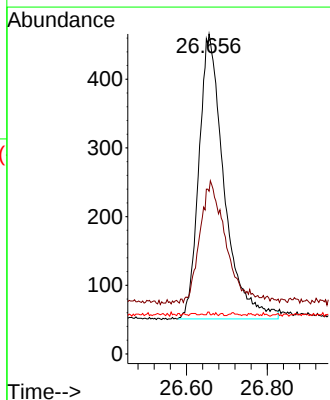
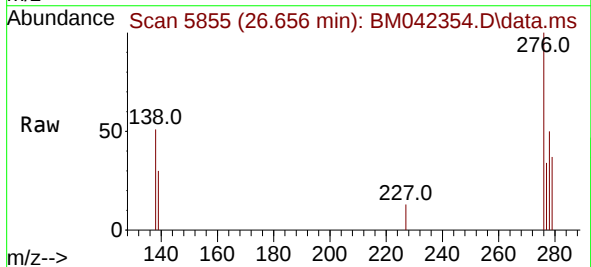
Manual Integrations
APPROVED

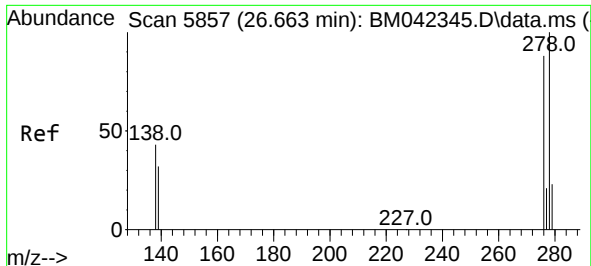
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng/ul
RT: 26.656 min Scan# 5855
Delta R.T. 0.017 min
Lab File: BM042354.D
Acq: 18 Oct 2023 17:42

Tgt Ion:276 Resp: 1791
Ion Ratio Lower Upper
276 100
138 43.7 35.9 53.9
227 0.2 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.071 ng/ul

RT: 26.683 min Scan# 5863

Delta R.T. 0.020 min

Lab File: BM042354.D

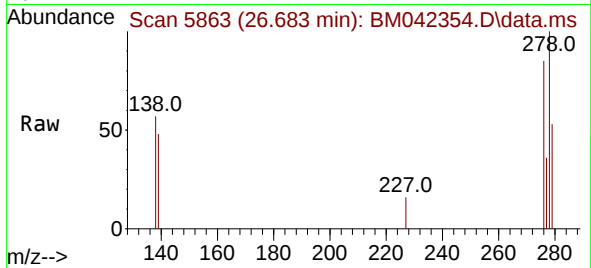
Acq: 18 Oct 2023 17:42

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-05



Tgt Ion:278 Resp: 1260

Ion Ratio Lower Upper

278 100

139 48.2 28.1 42.1

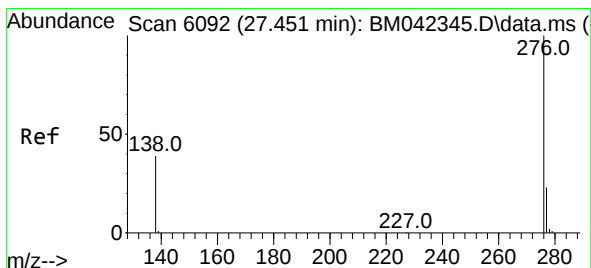
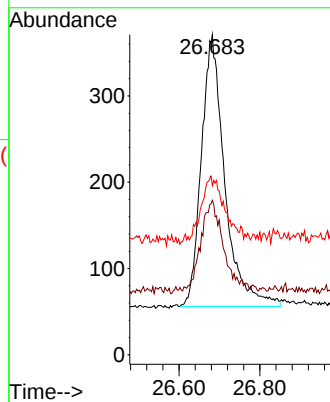
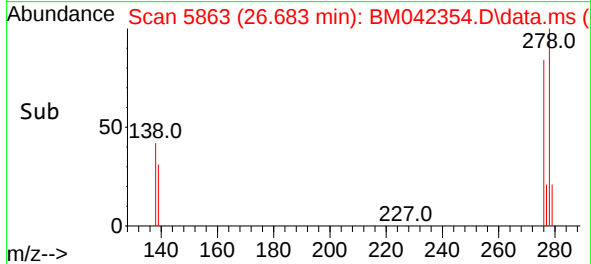
279 52.8 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#29

Benzo(g,h,i)perylene

Concen: 0.076 ng/ul

RT: 27.461 min Scan# 6095

Delta R.T. 0.010 min

Lab File: BM042354.D

Acq: 18 Oct 2023 17:42

Tgt Ion:276 Resp: 1625

Ion Ratio Lower Upper

276 100

138 53.2 33.3 49.9#

277 34.5 19.9 29.9#

