

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011223\
 Data File : BM038436.D
 Acq On : 12 Jan 2023 11:57
 Operator : CG/JU
 Sample : N4239-04
 Misc : SFAM-SIM-MDL-S-02-0.07NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2022-06

Quant Time: Jan 12 12:33:26 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 01:15:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.000	152	1261	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	3586	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.629	164	2014	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	4056	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	4378	0.400	ng/ul	0.00
23) Perylene-d12	23.971	264	4877	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.368	96	988	0.526	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	1717	0.319	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	4069	0.328	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.402	88	174m	0.090	ng/ul	
5) Naphthalene	10.862	128	563	0.059	ng/ul#	66
7) 2-Methylnaphthalene	12.473	142	314	0.053	ng/ul	86
8) 1-Methylnaphthalene	12.687	142	319	0.053	ng/ul	93
10) Acenaphthylene	14.356	152	515	0.055	ng/ul#	74
11) Acenaphthene	14.694	153	416	0.060	ng/ul	92
12) Fluorene	15.684	166	425	0.054	ng/ul#	92
14) Pentachlorophenol	17.037	266	170	0.118	ng/ul#	89
15) Phenanthrene	17.417	178	670	0.056	ng/ul#	80
16) Anthracene	17.514	178	585	0.053	ng/ul#	72
19) Fluoranthene	19.427	202	884	0.058	ng/ul#	75
20) Pyrene	19.789	202	924	0.057	ng/ul#	82
21) Benzo(a)anthracene	21.530	228	820	0.056	ng/ul#	87
22) Chrysene	21.583	228	875	0.057	ng/ul#	89
24) Benzo(b)fluoranthene	23.234	252	1010	0.057	ng/ul#	61
25) Benzo(k)fluoranthene	23.281	252	971	0.055	ng/ul#	56
26) Benzo(a)pyrene	23.868	252	897	0.054	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.518	276	1306	0.053	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.532	278	990	0.052	ng/ul#	55
29) Benzo(g,h,i)perylene	27.296	276	1144	0.053	ng/ul#	75

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

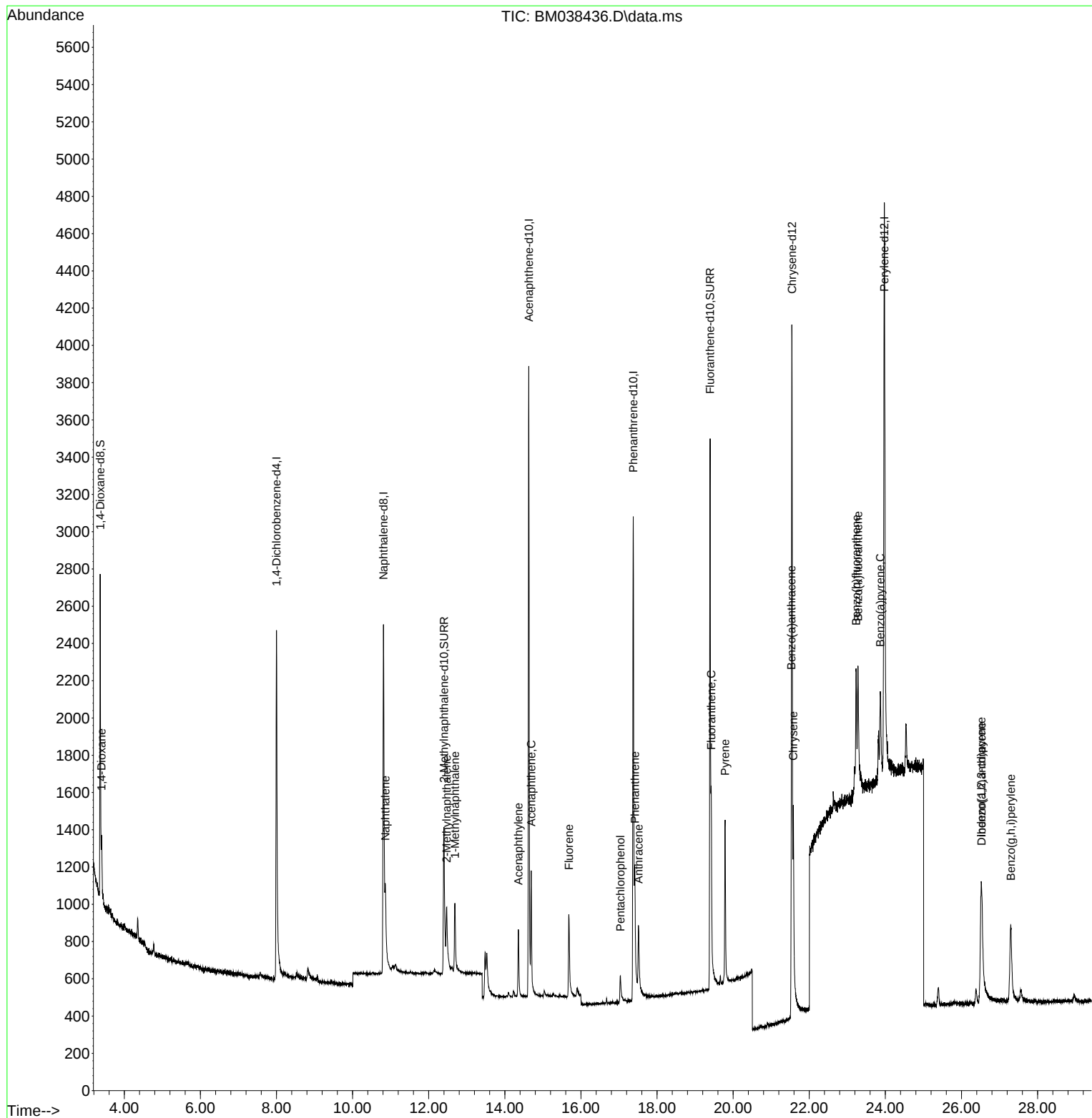
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011223\
Data File : BM038436.D
Acq On : 12 Jan 2023 11:57
Operator : CG/JU
Sample : N4239-04
Misc : SFAM-SIM-MDL-S-02-0.07NG
ALS Vial : 6 Sample Multiplier: 1

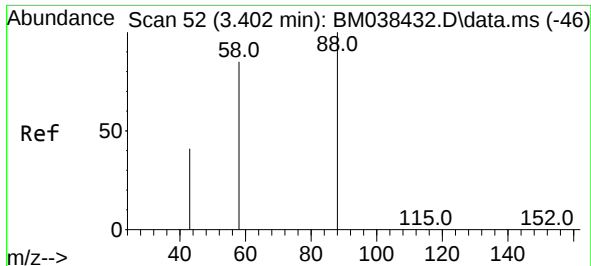
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06

Quant Time: Jan 12 12:33:26 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM123022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 01:15:30 2023
Response via : Initial Calibration

Manual Integrations
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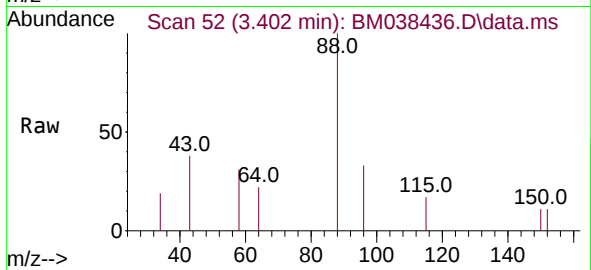
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023





#2
1,4-Dioxane
Concen: 0.090 ng/ul m
RT: 3.402 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

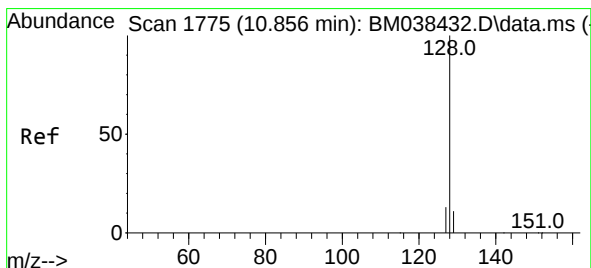
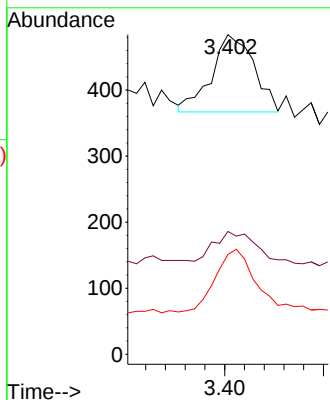
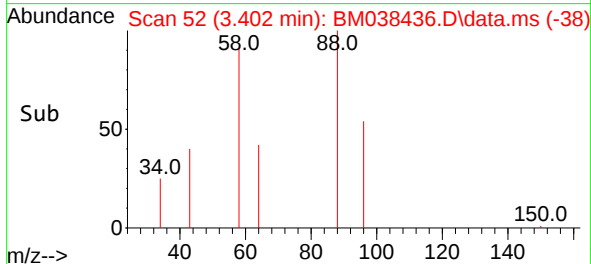
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 38.4 32.6 49.0
58 31.2 46.6 69.8

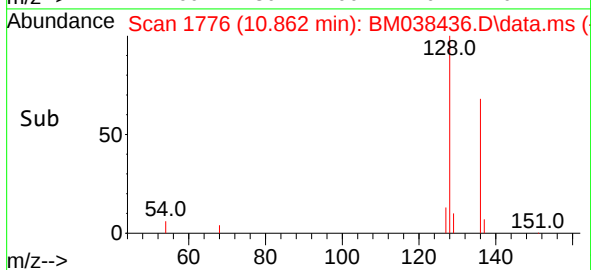
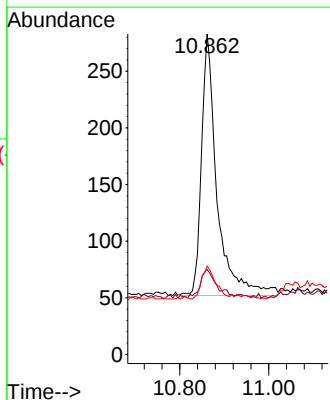
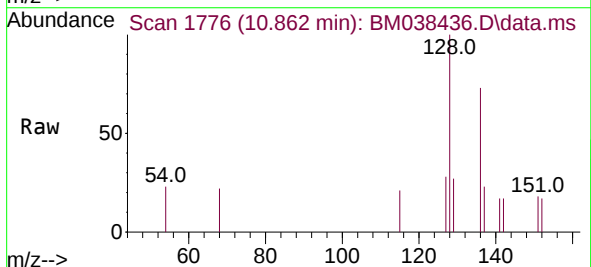
Manual Integrations
APPROVED

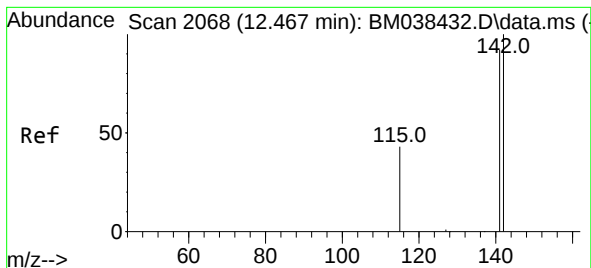
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#5
Naphthalene
Concen: 0.059 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

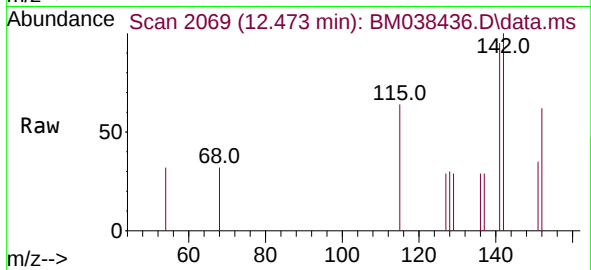
Tgt Ion:128 Resp: 563
Ion Ratio Lower Upper
128 100
129 26.5 10.2 15.2#
127 27.6 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.053 ng/ul
RT: 12.473 min Scan# 2068
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

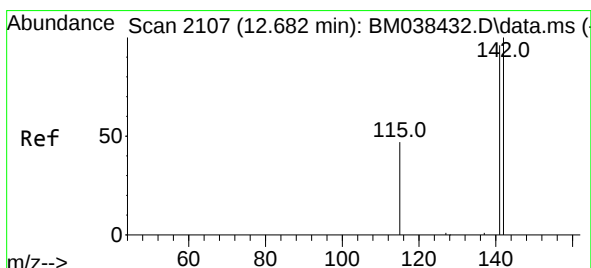
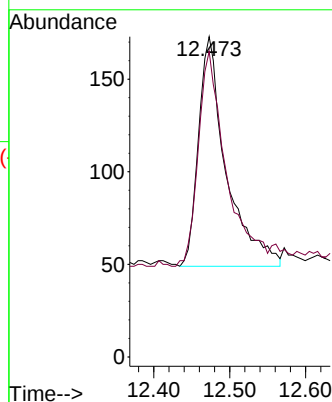
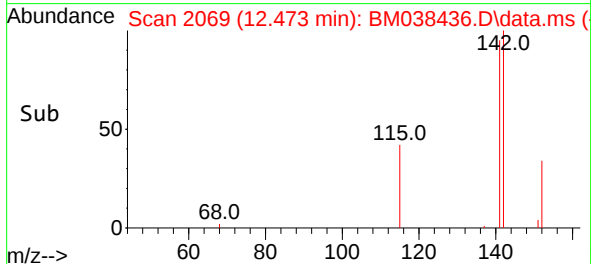
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



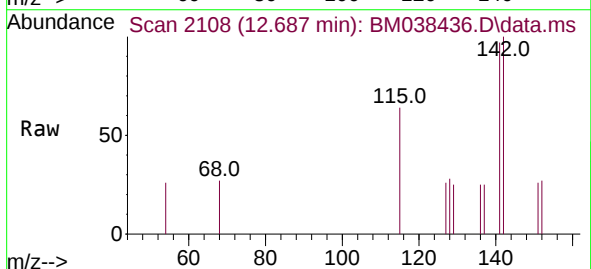
Tgt Ion:142 Resp: 314
Ion Ratio Lower Upper
142 100
141 102.2 71.2 106.8

Manual Integrations
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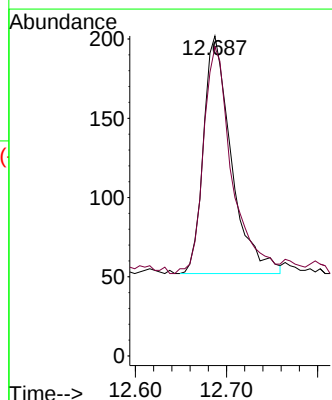
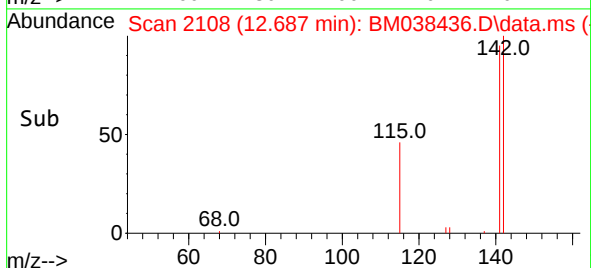
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

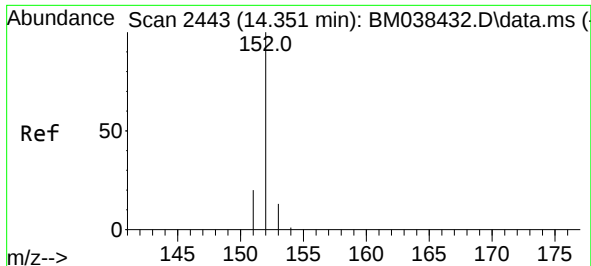


#8
1-Methylnaphthalene
Concen: 0.053 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57



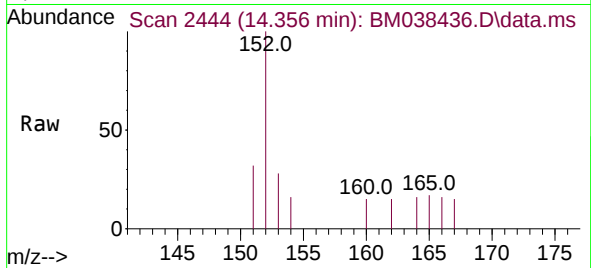
Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
141 97.8 73.2 109.8





#10
Acenaphthylene
Concen: 0.055 ng/ul
RT: 14.356 min Scan# 2444
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

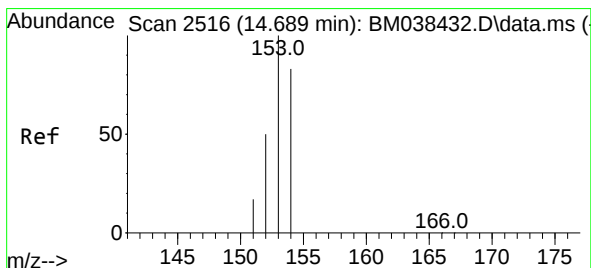
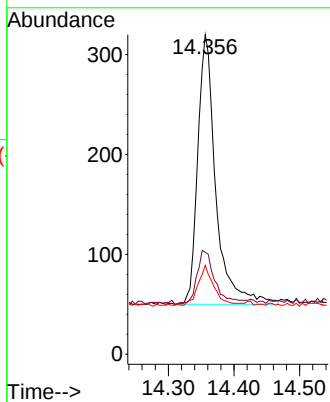
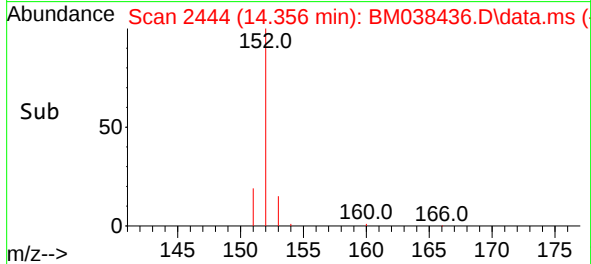
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



Tgt Ion	Ratio	Lower	Upper
152	100		
151	31.9	17.0	25.4
153	27.8	12.0	18.0

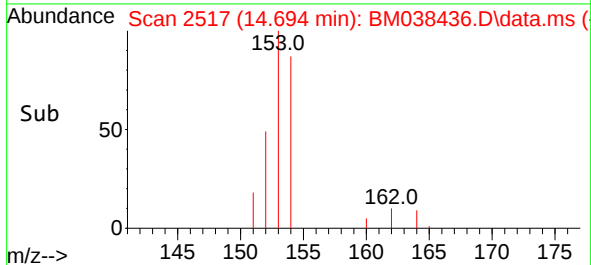
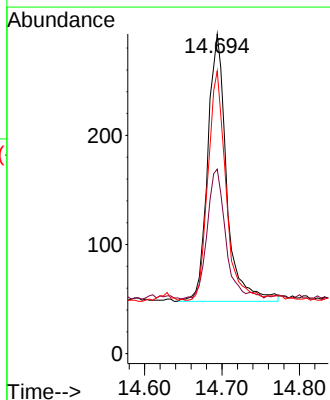
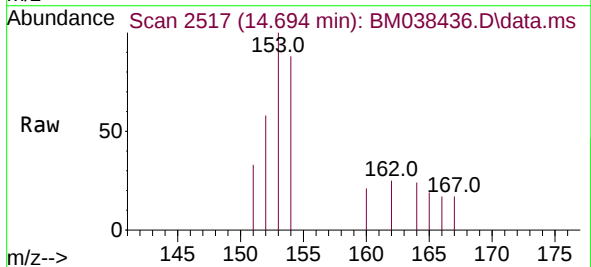
Manual Integrations
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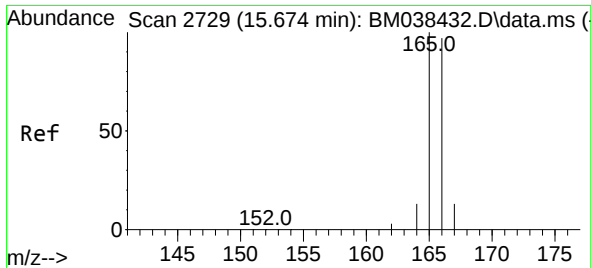
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#11
Acenaphthene
Concen: 0.060 ng/ul
RT: 14.694 min Scan# 2517
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

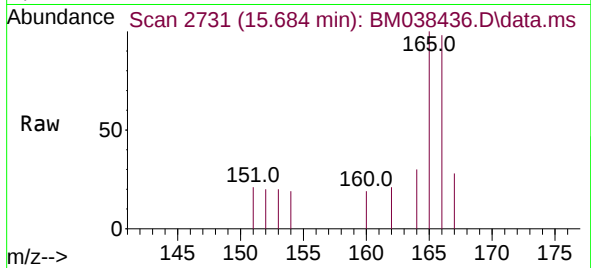
Tgt Ion	Ratio	Lower	Upper
153	100		
152	57.7	38.8	58.2
154	88.4	67.3	100.9





#12
Fluorene
Concen: 0.054 ng/ul
RT: 15.684 min Scan# 2731
Delta R.T. 0.009 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

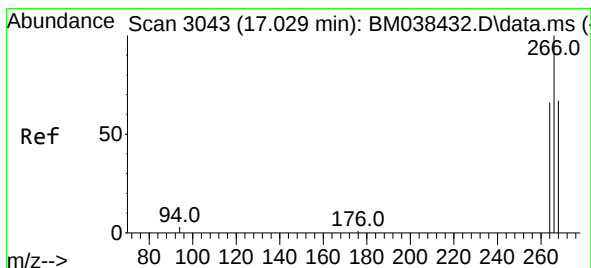
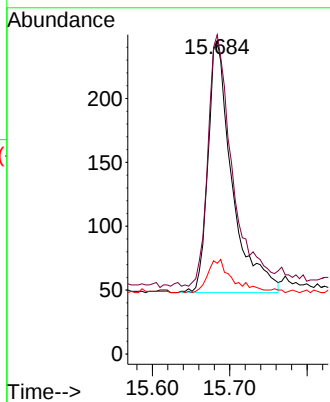
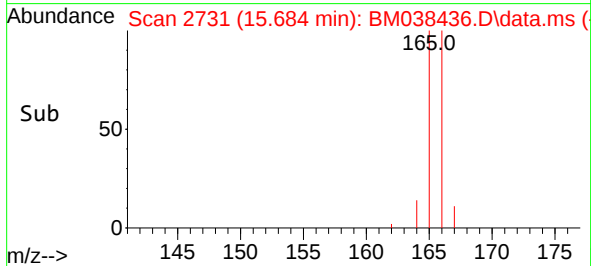
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



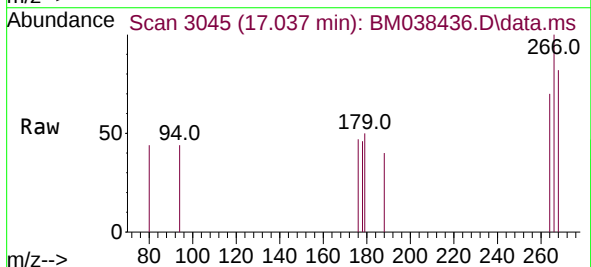
Tgt Ion:166 Resp: 425
Ion Ratio Lower Upper
166 100
165 102.0 78.2 117.2
167 29.0 12.5 18.7

Manual Integrations
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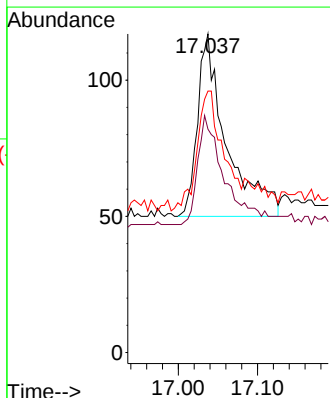
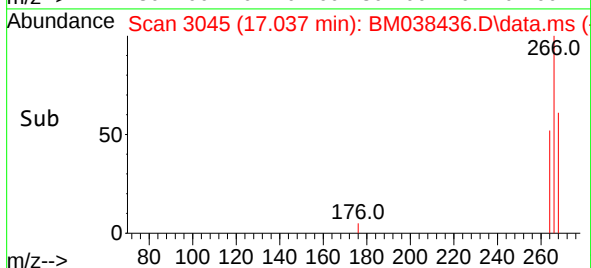
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

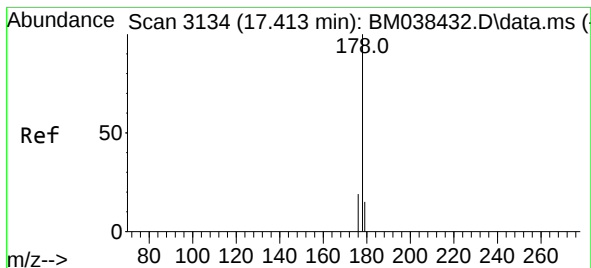


#14
Pentachlorophenol
Concen: 0.118 ng/ul
RT: 17.037 min Scan# 3045
Delta R.T. 0.004 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57



Tgt Ion:266 Resp: 170
Ion Ratio Lower Upper
266 100
264 58.2 50.0 75.0
268 72.4 48.2 72.2#





#15

Phenanthrene

Concen: 0.056 ng/u1

RT: 17.417 min Scan# 3134

Delta R.T. 0.004 min

Lab File: BM038436.D

Acq: 12 Jan 2023 11:57

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2022-06

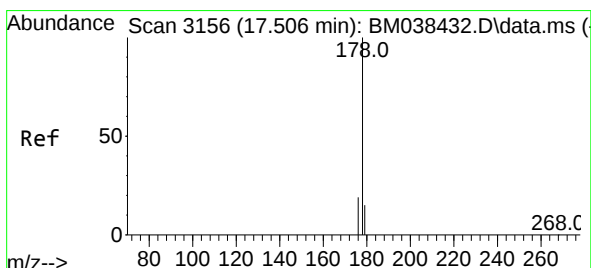
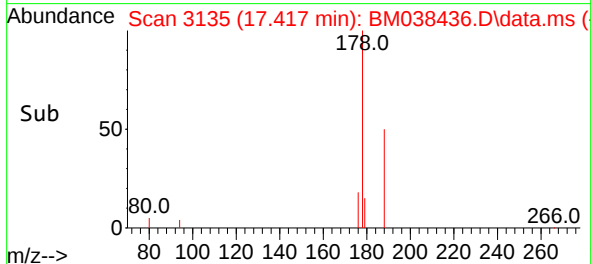
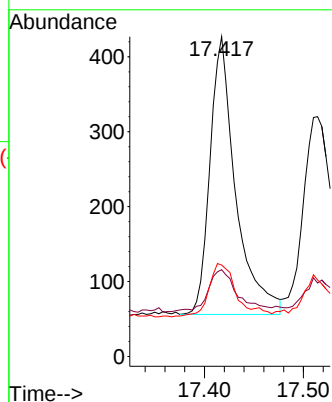
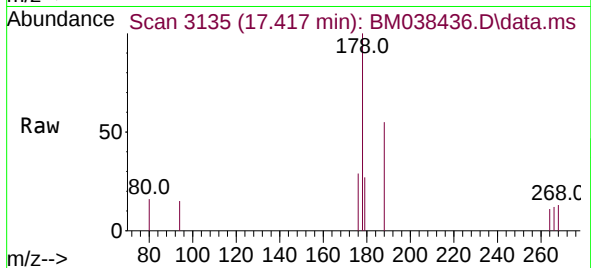
Tgt Ion:178 Resp: 670

Ion	Ratio	Lower	Upper
178	100		
179	27.2	13.5	20.3
176	28.6	16.6	25.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#16

Anthracene

Concen: 0.053 ng/u1

RT: 17.514 min Scan# 3158

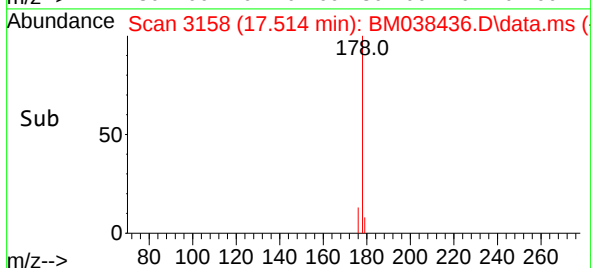
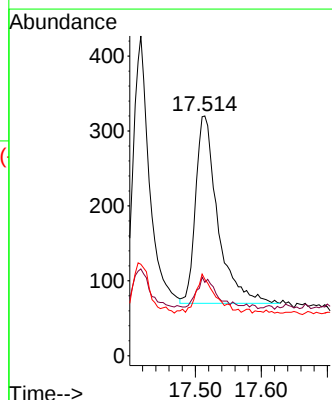
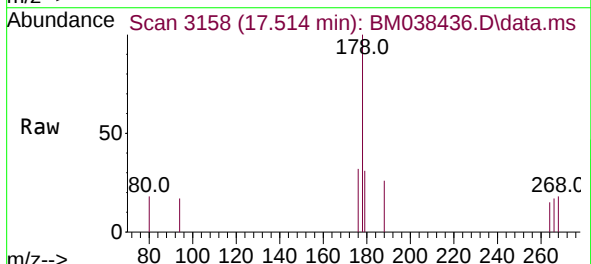
Delta R.T. 0.008 min

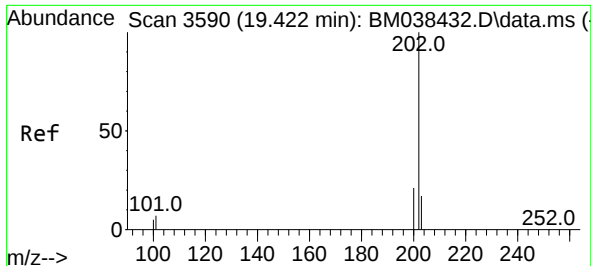
Lab File: BM038436.D

Acq: 12 Jan 2023 11:57

Tgt Ion:178 Resp: 585

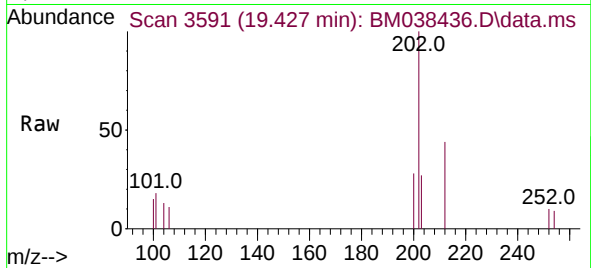
Ion	Ratio	Lower	Upper
178	100		
179	30.6	14.2	21.2
176	31.9	15.8	23.8





#19
Fluoranthene
Concen: 0.058 ng/u1
RT: 19.427 min Scan# 3591
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

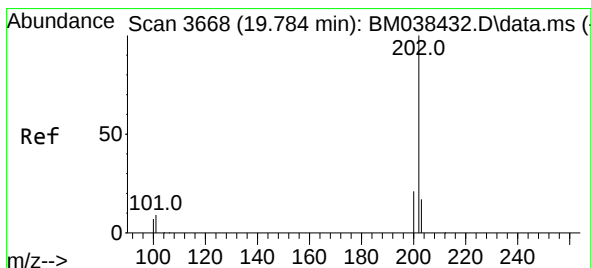
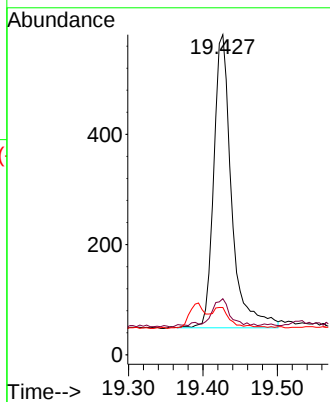
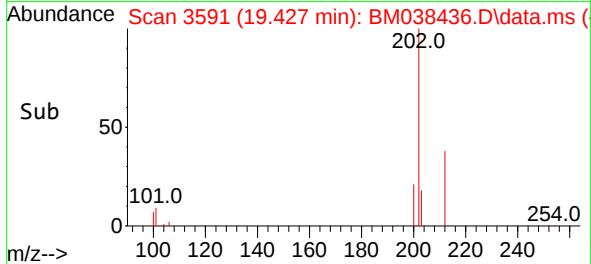
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



Tgt Ion:202 Resp: 884
Ion Ratio Lower Upper
202 100
101 17.6 6.6 10.0#
100 14.8 5.4 8.2#

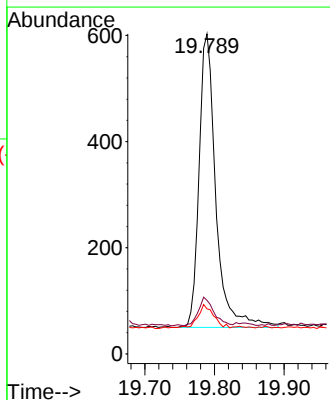
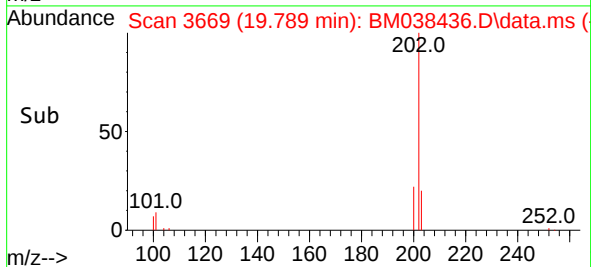
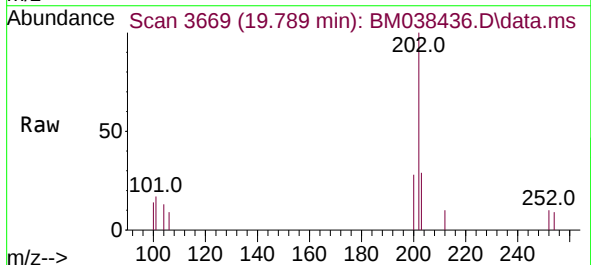
Manual Integrations
APPROVED

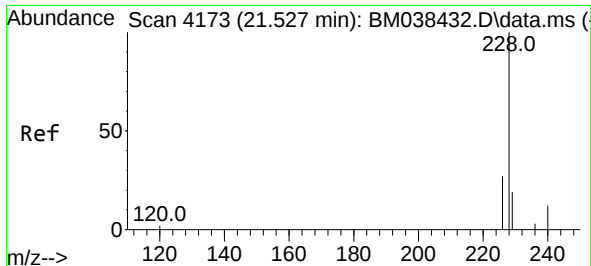
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#20
Pyrene
Concen: 0.057 ng/u1
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

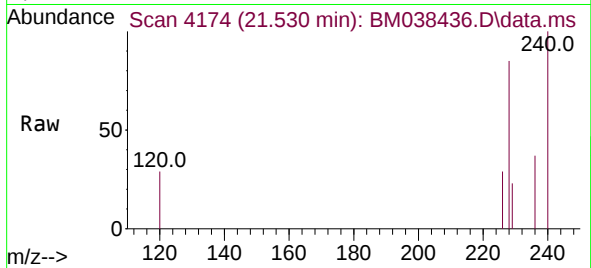
Tgt Ion:202 Resp: 924
Ion Ratio Lower Upper
202 100
101 16.7 7.8 11.6#
100 14.1 6.5 9.7#





#21
Benzo(a)anthracene
Concen: 0.056 ng/u1
RT: 21.530 min Scan# 4173
Delta R.T. 0.003 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

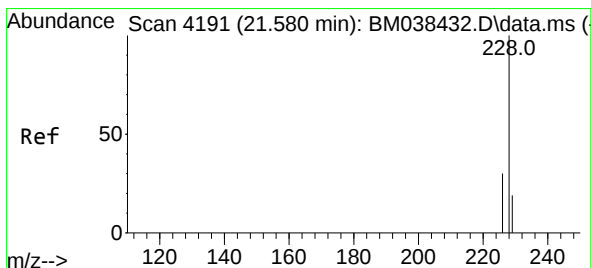
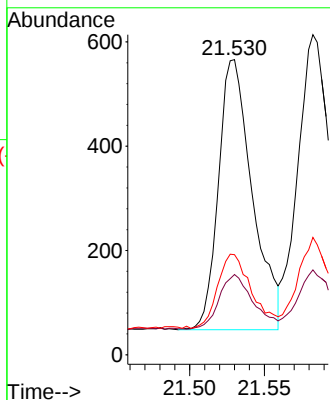
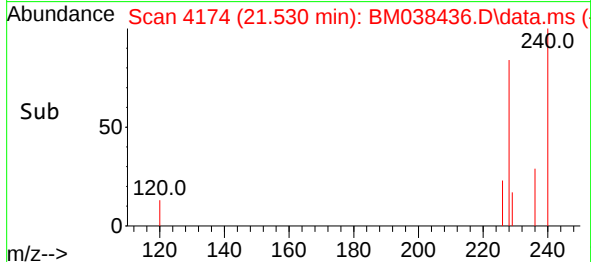
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



Tgt Ion:228 Resp: 820
Ion Ratio Lower Upper
228 100
229 27.2 16.4 24.6
226 33.9 22.2 33.2

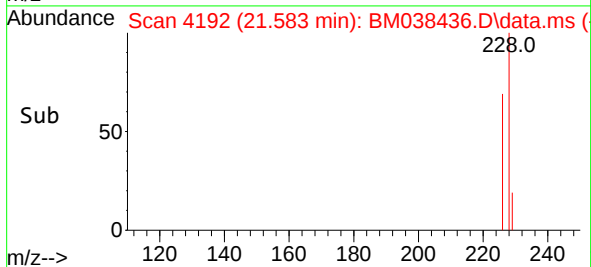
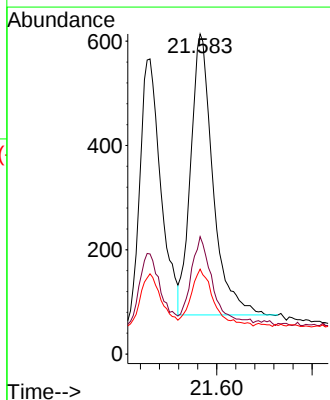
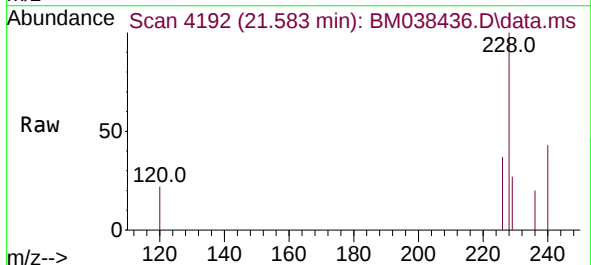
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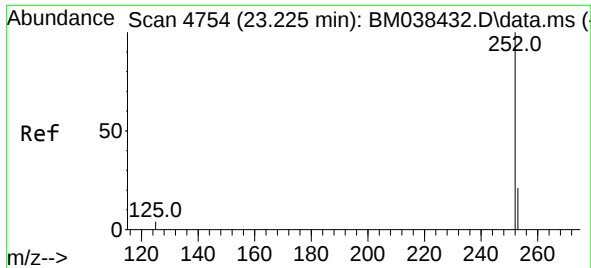
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#22
Chrysene
Concen: 0.057 ng/u1
RT: 21.583 min Scan# 4192
Delta R.T. 0.003 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

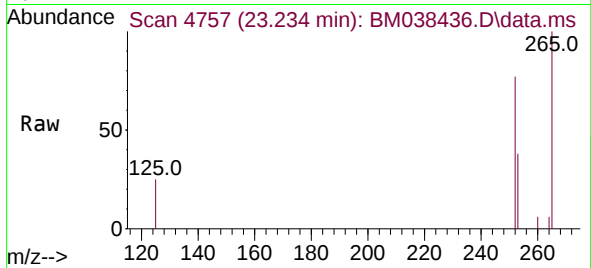
Tgt Ion:228 Resp: 875
Ion Ratio Lower Upper
228 100
226 36.6 25.3 37.9
229 26.5 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 0.057 ng/ul
RT: 23.234 min Scan# 4757
Delta R.T. 0.006 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

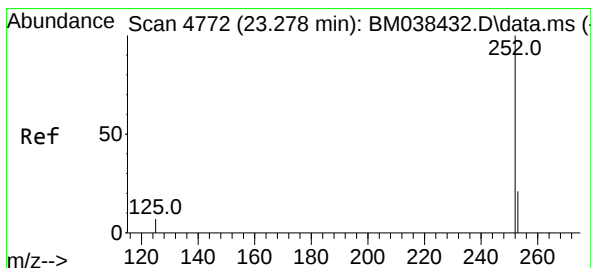
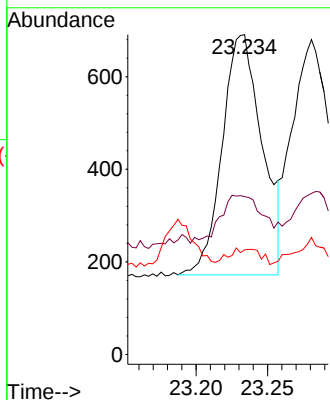
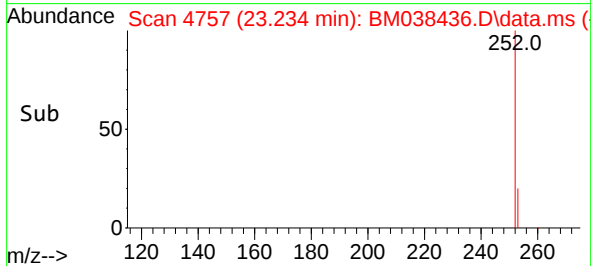
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



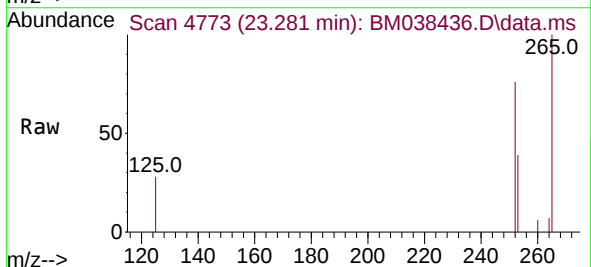
Tgt Ion:252 Resp: 1010
Ion Ratio Lower Upper
252 100
253 49.3 0.0 60.4
125 32.7 0.0 27.6

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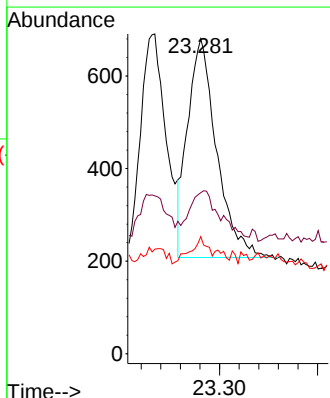
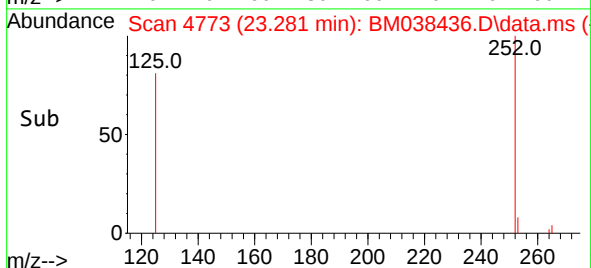
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

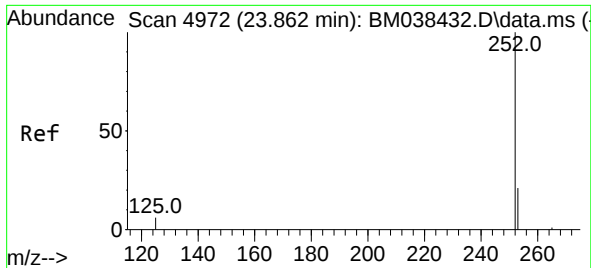


#25
Benzo(k)fluoranthene
Concen: 0.055 ng/ul
RT: 23.281 min Scan# 4773
Delta R.T. 0.006 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57



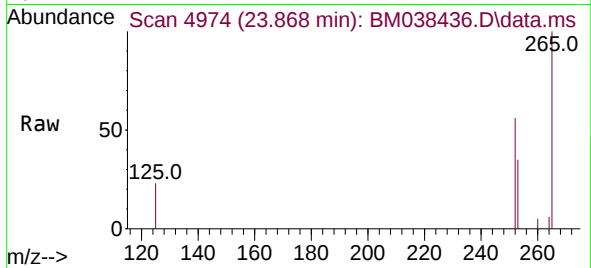
Tgt Ion:252 Resp: 971
Ion Ratio Lower Upper
252 100
253 51.2 24.4 36.6#
125 37.2 10.7 16.1#





#26
Benzo(a)pyrene
Concen: 0.054 ng/ul
RT: 23.868 min Scan# 4972
Delta R.T. 0.003 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

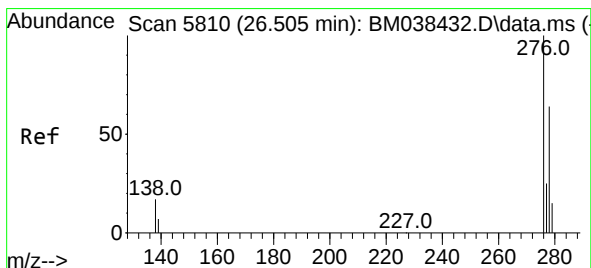
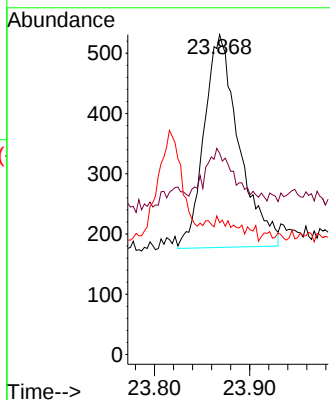
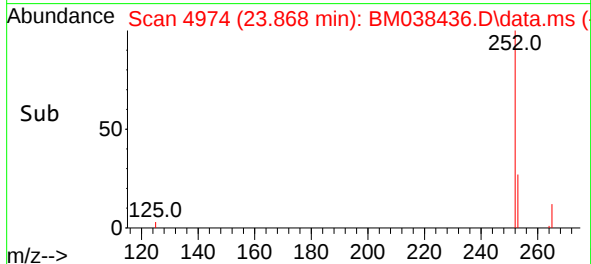
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



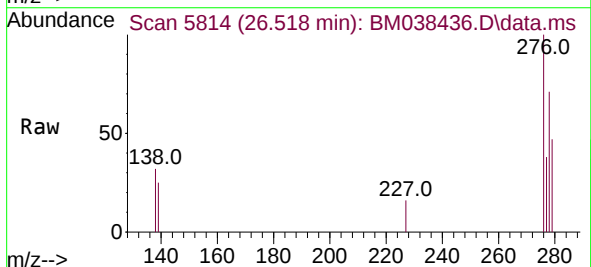
Tgt Ion:252 Resp: 897
Ion Ratio Lower Upper
252 100
253 62.9 27.4 41.2
125 41.2 13.8 20.8

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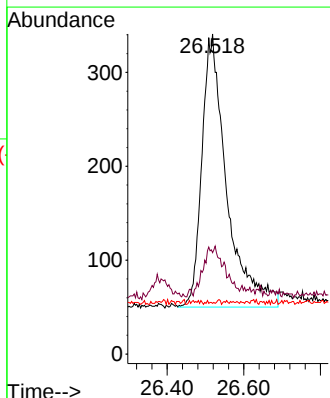
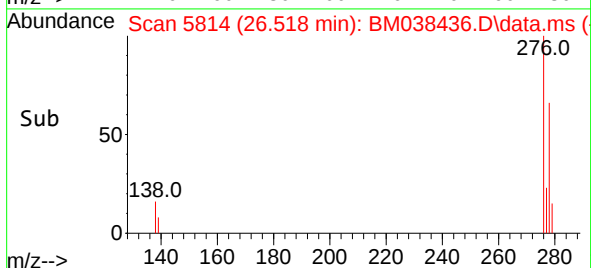
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

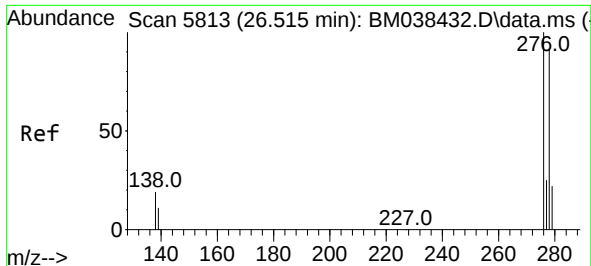


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.053 ng/ul
RT: 26.518 min Scan# 5814
Delta R.T. 0.017 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57



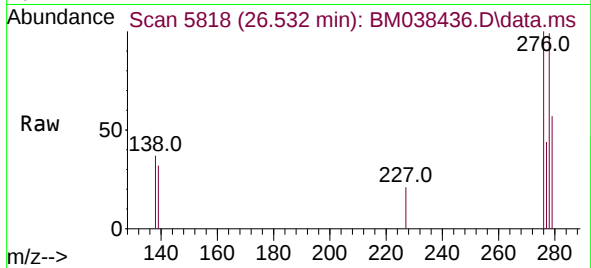
Tgt Ion:276 Resp: 1306
Ion Ratio Lower Upper
276 100
138 15.7 14.1 21.1
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.052 ng/ul
RT: 26.532 min Scan# 5818
Delta R.T. 0.010 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57

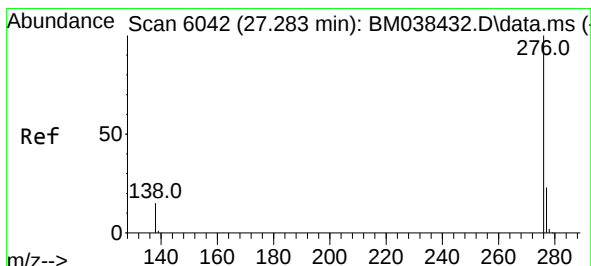
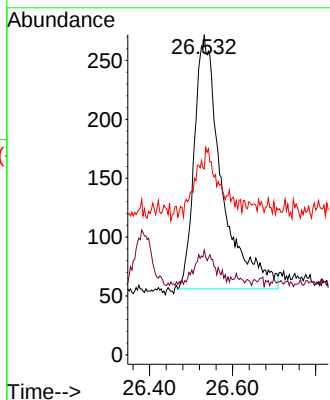
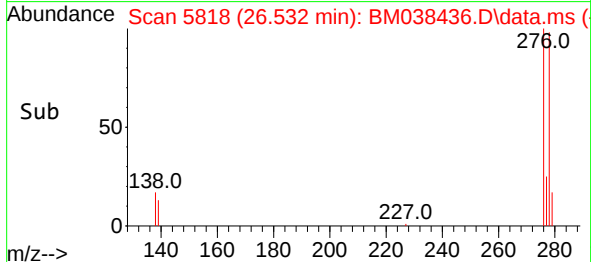
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06



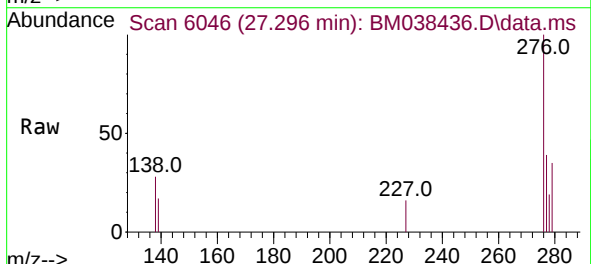
Tgt Ion:278 Resp: 990
Ion Ratio Lower Upper
278 100
139 32.7 11.4 17.0#
279 58.1 26.4 39.6#

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Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#29
Benzo(g,h,i)perylene
Concen: 0.053 ng/ul
RT: 27.296 min Scan# 6046
Delta R.T. 0.010 min
Lab File: BM038436.D
Acq: 12 Jan 2023 11:57



Tgt Ion:276 Resp: 1144
Ion Ratio Lower Upper
276 100
138 28.4 14.4 21.6#
277 39.4 20.7 31.1#

