

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010323\
 Data File : BM038358.D
 Acq On : 03 Jan 2023 13:18
 Operator : CG/JU
 Sample : N5388-04
 Misc : SFAM-SIM-MDL-S-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 03 13:48:14 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 : Fri Dec 30 01:43:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :mohammad ahmed 01/05/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	1392	0.400	ng/ul	0.00
4) Naphthalene-d8	10.823	136	4048	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.638	164	2188	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.384	188	4609	0.400	ng/ul	0.00
17) Chrysene-d12	21.553	240	4812	0.400	ng/ul	0.00
23) Perylene-d12	23.982	264	6124	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	1178	0.568	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.407	152	2032	0.335	ng/ul	0.00
18) Fluoranthene-d10	19.399	212	5236	0.384	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.414	88	165m	0.078	ng/ul	
5) Naphthalene	10.873	128	669	0.062	ng/ul#	72
7) 2-Methylnaphthalene	12.478	142	416	0.063	ng/ul	96
8) 1-Methylnaphthalene	12.698	142	388	0.057	ng/ul	96
10) Acenaphthylene	14.365	152	662	0.065	ng/ul#	78
11) Acenaphthene	14.703	153	485	0.064	ng/ul	91
12) Fluorene	15.688	166	566	0.066	ng/ul#	90
14) Pentachlorophenol	17.050	266	98	0.060	ng/ul	99
15) Phenanthrene	17.426	178	834	0.061	ng/ul#	80
16) Anthracene	17.519	178	764	0.061	ng/ul#	81
19) Fluoranthene	19.431	202	1129	0.068	ng/ul#	80
20) Pyrene	19.794	202	1199	0.067	ng/ul#	81
21) Benzo(a)anthracene	21.539	228	1065	0.066	ng/ul#	90
22) Chrysene	21.591	228	1141	0.068	ng/ul#	95
24) Benzo(b)fluoranthene	23.243	252	1292	0.058	ng/ul#	50
25) Benzo(k)fluoranthene	23.290	252	1217	0.055	ng/ul#	50
26) Benzo(a)pyrene	23.877	252	1107	0.053	ng/ul#	35
27) Indeno(1,2,3-cd)pyrene	26.528	276	1820	0.059	ng/ul	93
28) Dibenzo(a,h)anthracene	26.542	278	1429	0.060	ng/ul#	37
29) Benzo(g,h,i)perylene	27.313	276	1635	0.060	ng/ul#	76

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

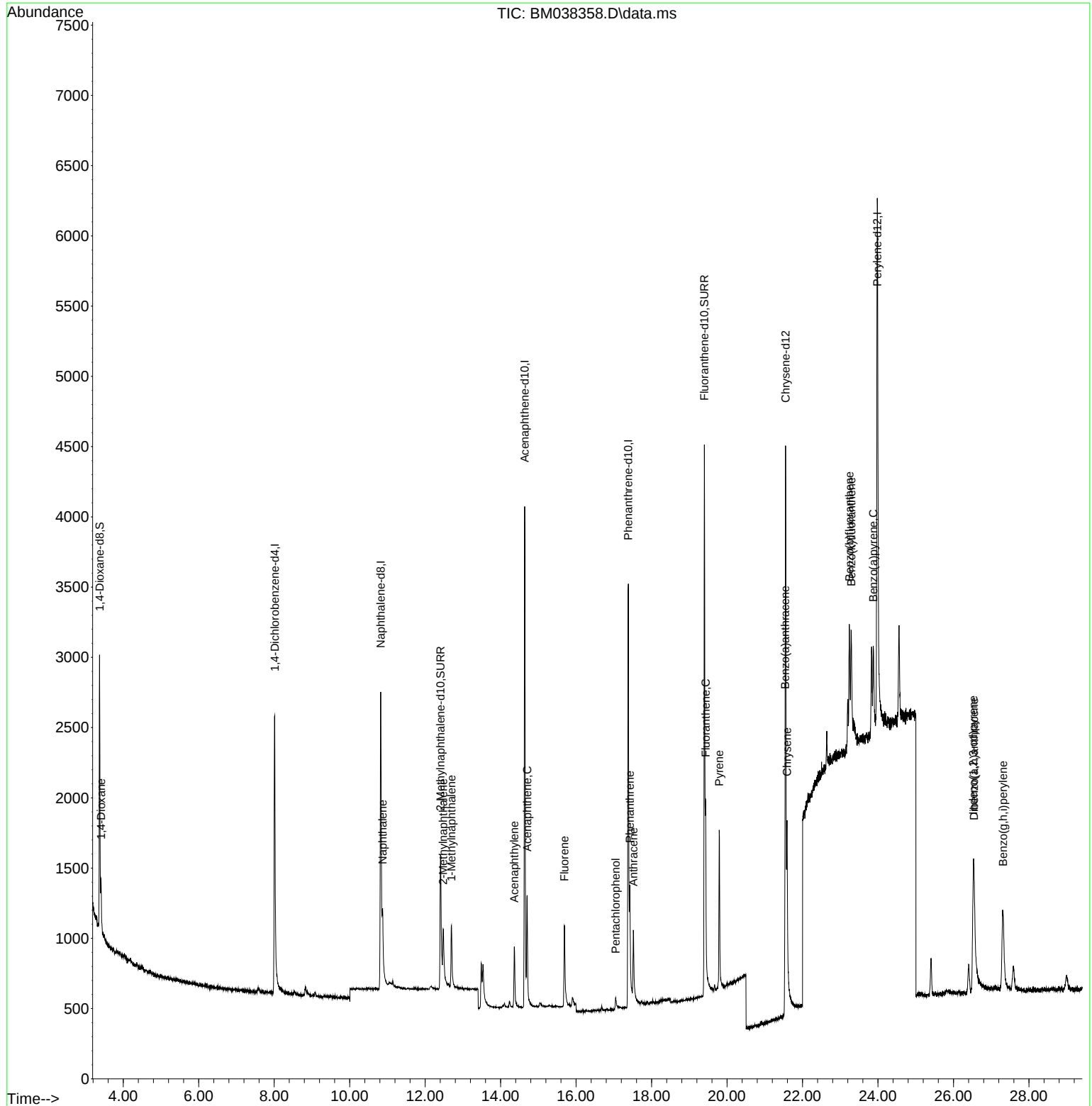
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010323\
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 ALS Vial : 5 Sample Multiplier: 1

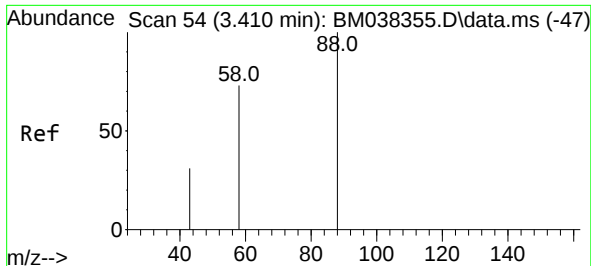
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 03 13:48:14 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations APPROVED

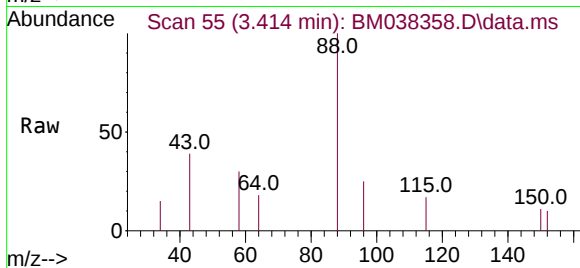
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :mohammad ahmed 01/05/2023





#2
1,4-Dioxane
Concen: 0.078 ng/ul m
RT: 3.414 min Scan# 54
Delta R.T. 0.004 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

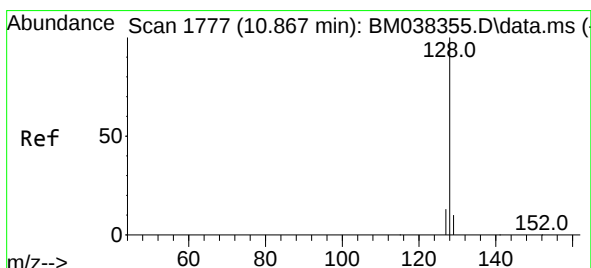
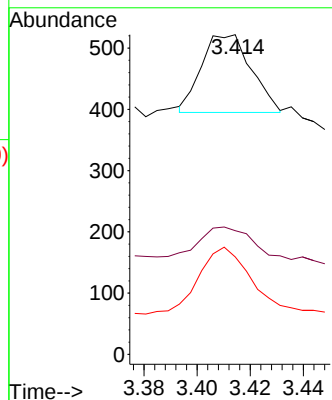
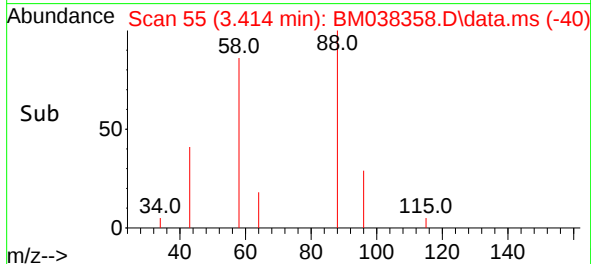
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 38.7 32.6 49.0
58 30.5 46.6 69.8

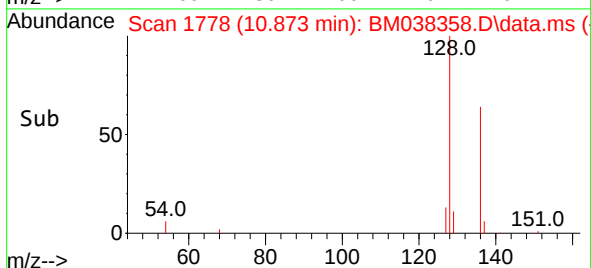
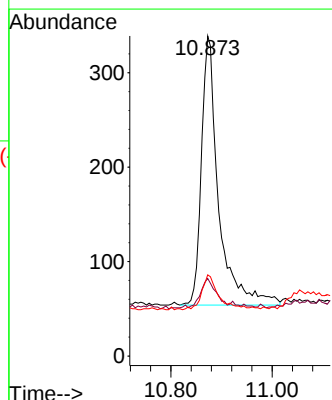
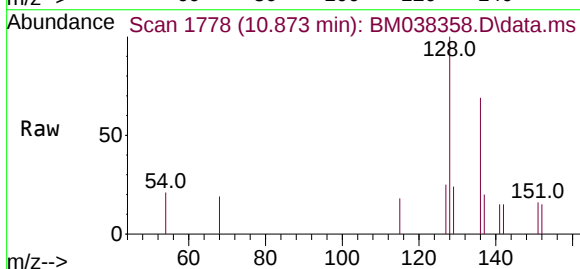
Manual Integrations
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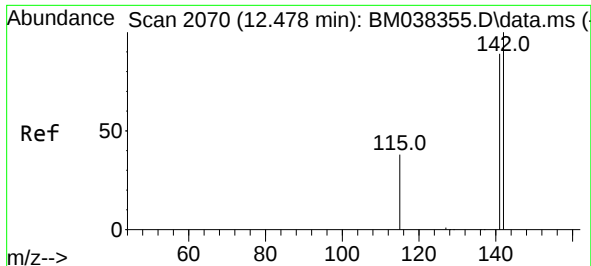
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#5
Naphthalene
Concen: 0.062 ng/ul
RT: 10.873 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

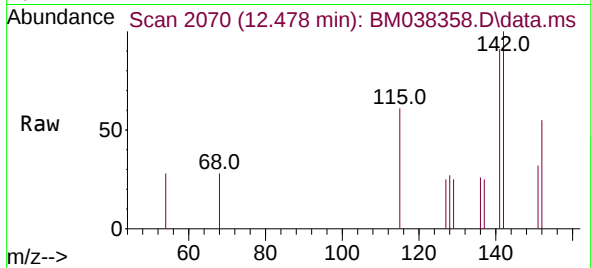
Tgt Ion:128 Resp: 669
Ion Ratio Lower Upper
128 100
129 24.2 10.2 15.2#
127 25.4 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.478 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

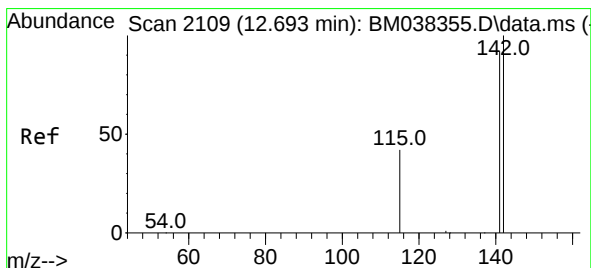
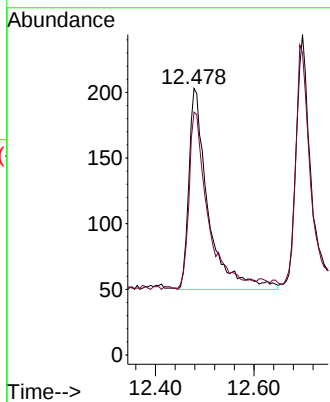
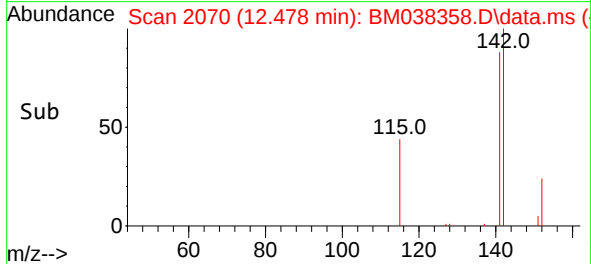
Instrument : BNA_M
ClientSampleId :
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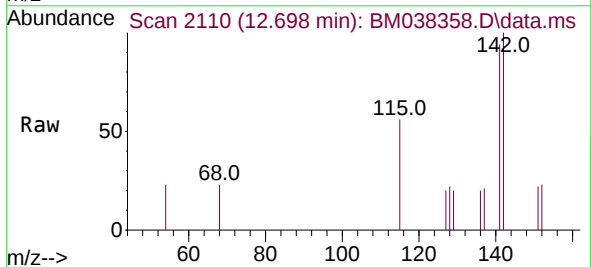
Tgt Ion:142 Resp: 416
Ion Ratio Lower Upper
142 100
141 85.6 71.2 106.8

Manual Integrations
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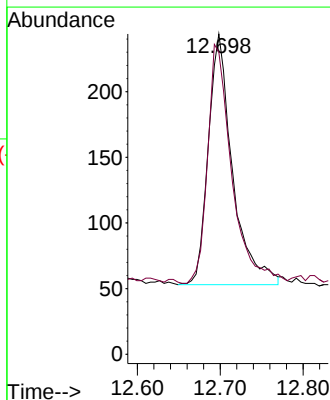
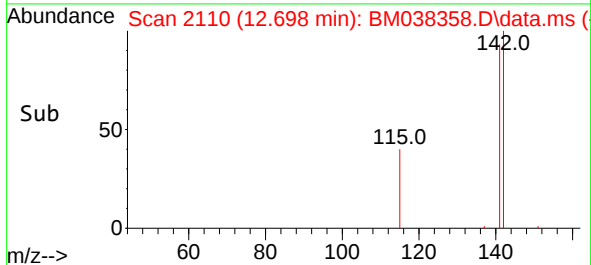
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023

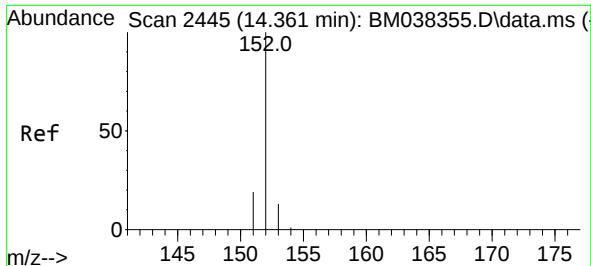


#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.698 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18



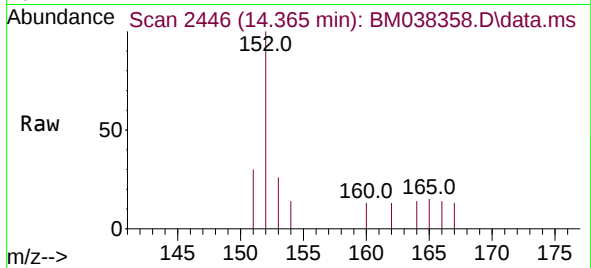
Tgt Ion:142 Resp: 388
Ion Ratio Lower Upper
142 100
141 95.1 73.2 109.8





#10
Acenaphthylene
Concen: 0.065 ng/ul
RT: 14.365 min Scan# 2445
Delta R.T. 0.004 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

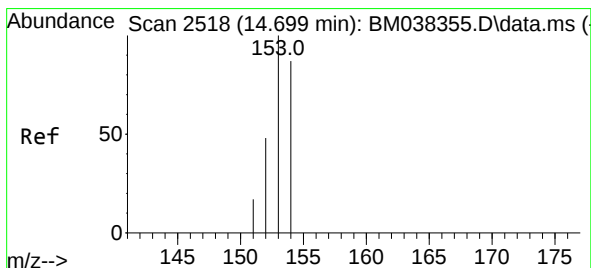
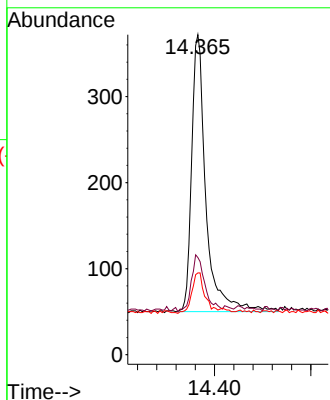
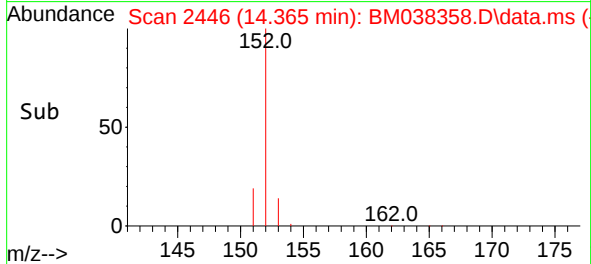
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



Tgt Ion:152 Resp: 662
Ion Ratio Lower Upper
152 100
151 30.4 17.0 25.4
153 25.5 12.0 18.0

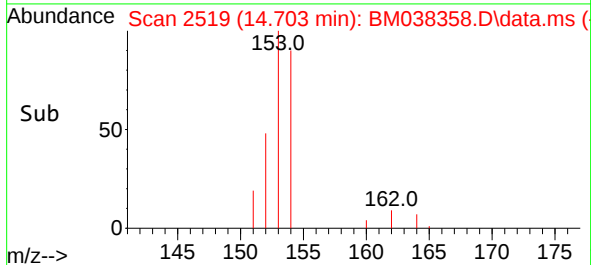
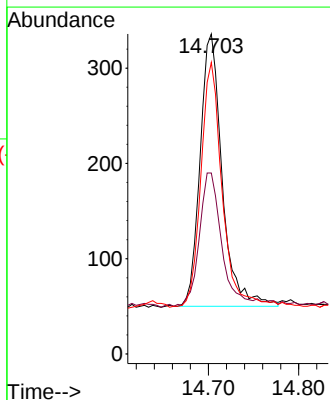
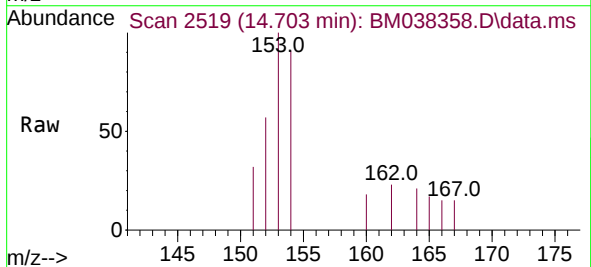
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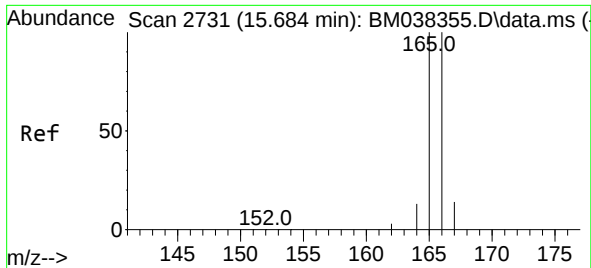
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#11
Acenaphthene
Concen: 0.064 ng/ul
RT: 14.703 min Scan# 2519
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

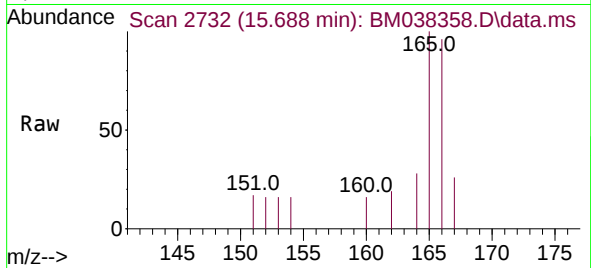
Tgt Ion:153 Resp: 485
Ion Ratio Lower Upper
153 100
152 56.5 38.8 58.2
154 91.1 67.3 100.9





#12
Fluorene
Concen: 0.066 ng/ul
RT: 15.688 min Scan# 2732
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

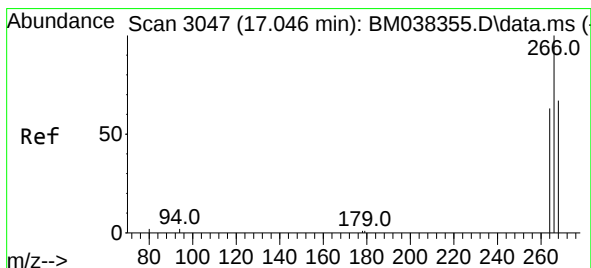
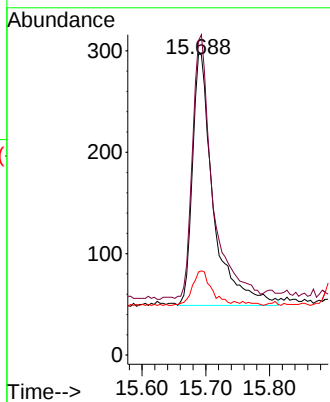
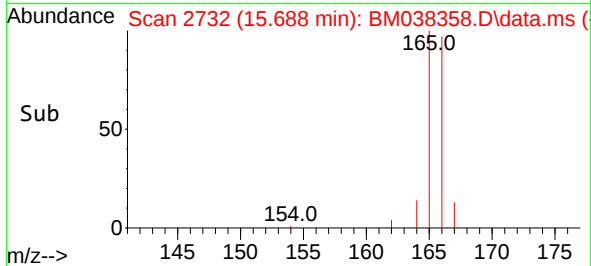
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



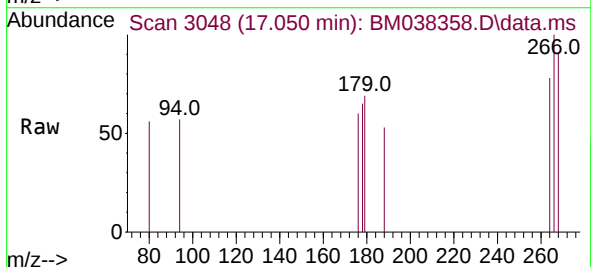
Tgt Ion:166 Resp: 566
Ion Ratio Lower Upper
166 100
165 104.4 78.2 117.2
167 27.6 12.5 18.7

Manual Integrations
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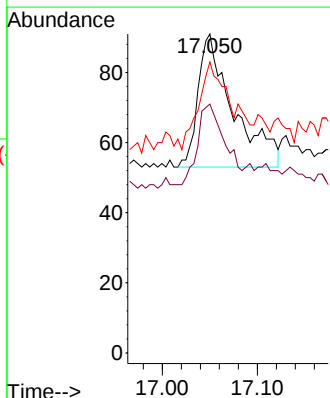
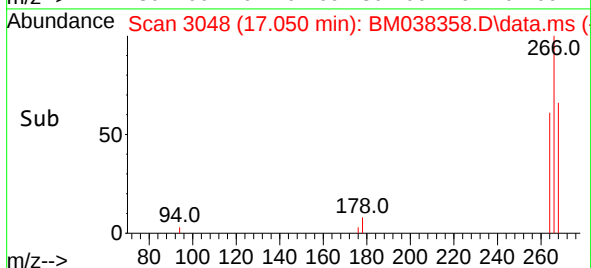
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023

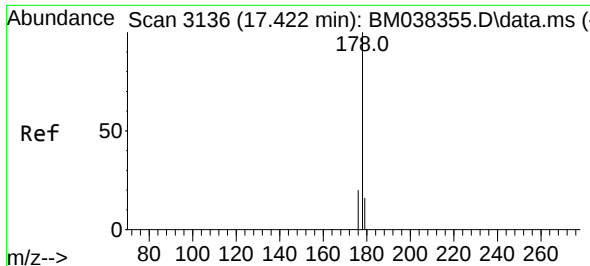


#14
Pentachlorophenol
Concen: 0.060 ng/ul
RT: 17.050 min Scan# 3048
Delta R.T. 0.008 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18



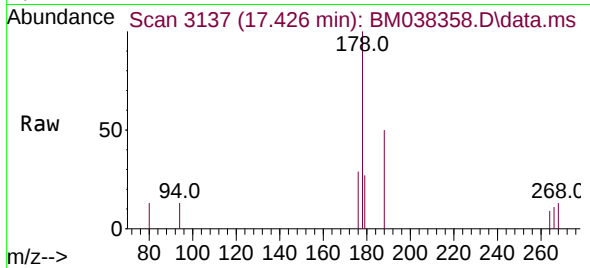
Tgt Ion:266 Resp: 98
Ion Ratio Lower Upper
266 100
264 62.2 50.0 75.0
268 62.2 48.2 72.2





#15
Phenanthrene
Concen: 0.061 ng/ul
RT: 17.426 min Scan# 3136
Delta R.T. 0.004 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

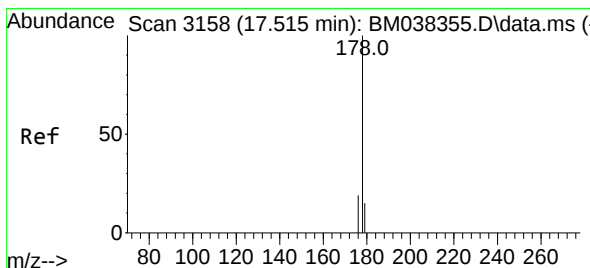
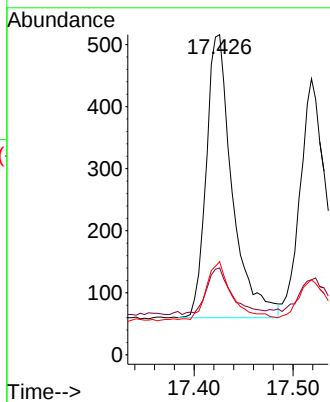
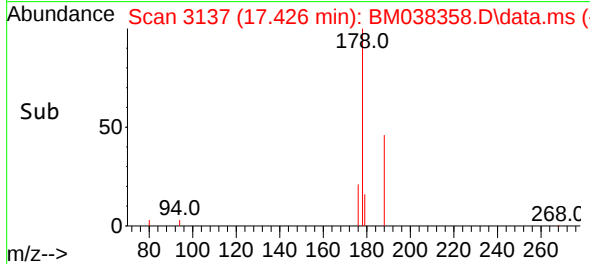
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



Tgt Ion:178 Resp: 834
Ion Ratio Lower Upper
178 100
179 27.1 13.5 20.3#
176 29.1 16.6 25.0#

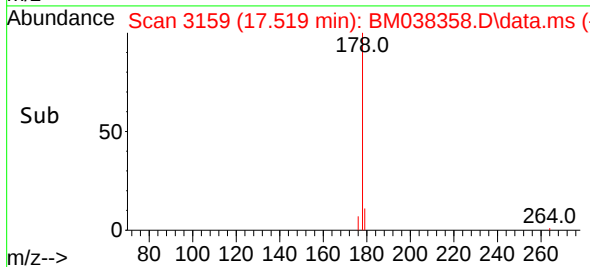
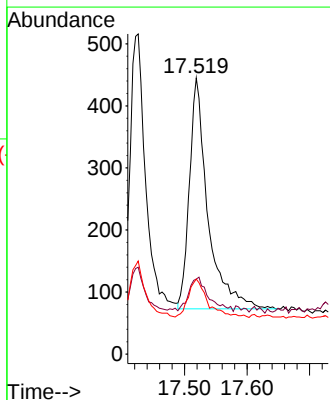
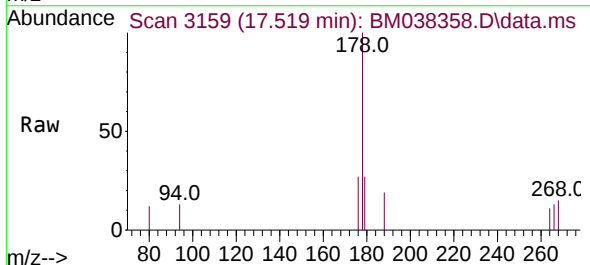
Manual Integrations
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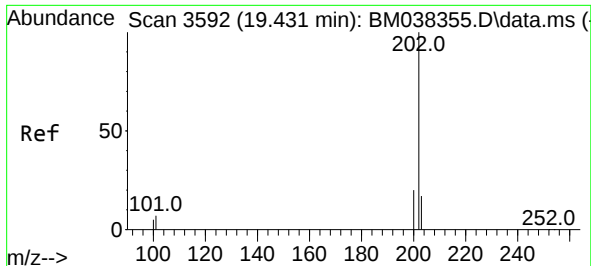
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#16
Anthracene
Concen: 0.061 ng/ul
RT: 17.519 min Scan# 3159
Delta R.T. 0.004 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

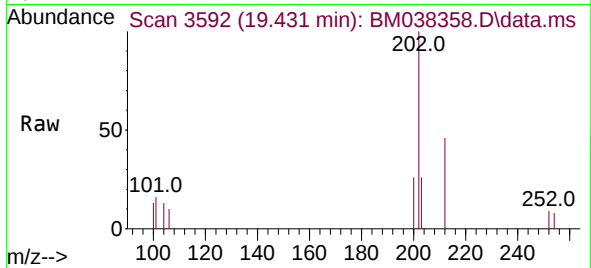
Tgt Ion:178 Resp: 764
Ion Ratio Lower Upper
178 100
179 27.2 14.2 21.2#
176 27.2 15.8 23.8#





#19
Fluoranthene
Concen: 0.068 ng/ul
RT: 19.431 min Scan# 3592
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

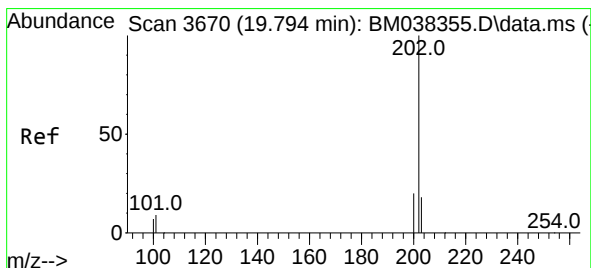
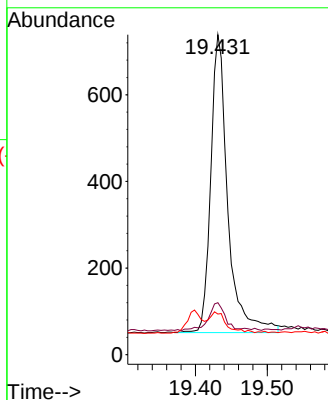
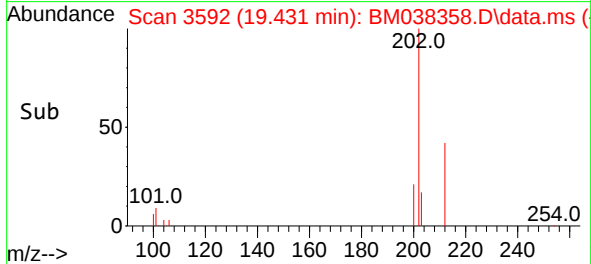
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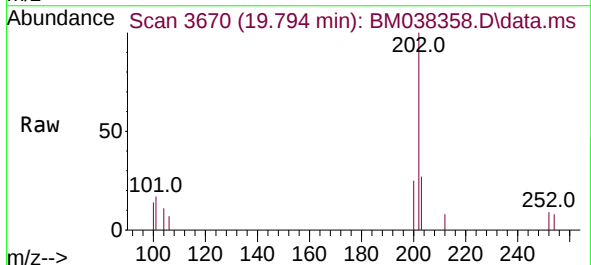
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Ion Ratio Lower Upper
202 100
101 16.2 6.6 10.0#
100 12.7 5.4 8.2#

Manual Integrations
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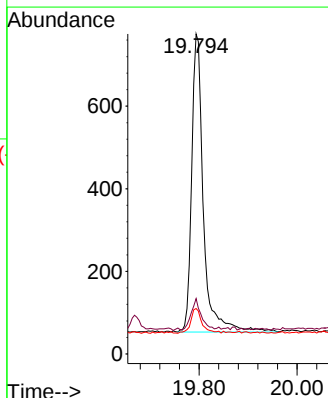
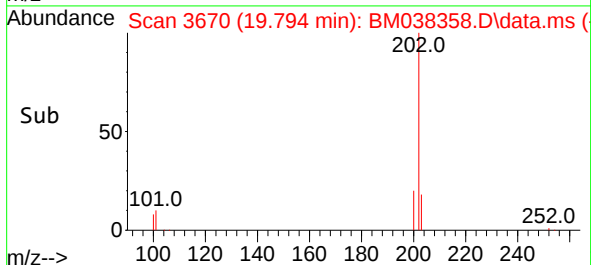
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023

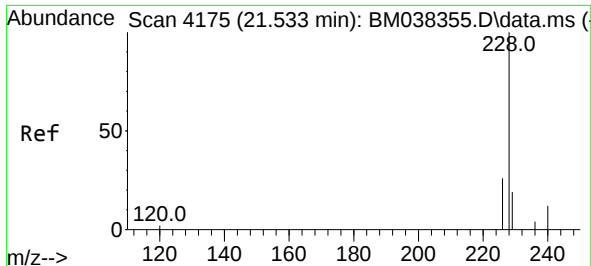


#20
Pyrene
Concen: 0.067 ng/ul
RT: 19.794 min Scan# 3670
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18



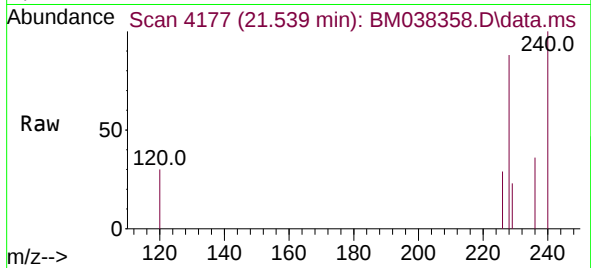
Tgt Ion:202 Resp: 1199
Ion Ratio Lower Upper
202 100
101 17.3 7.8 11.6#
100 14.2 6.5 9.7#





#21
Benzo(a)anthracene
Concen: 0.066 ng/u1
RT: 21.539 min Scan# 4175
Delta R.T. 0.003 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

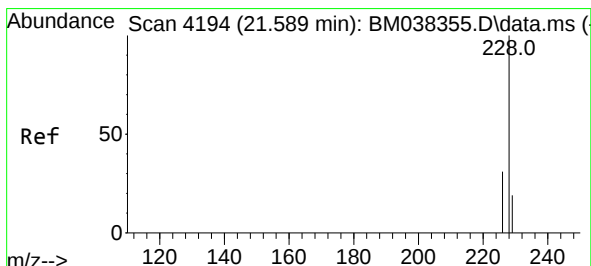
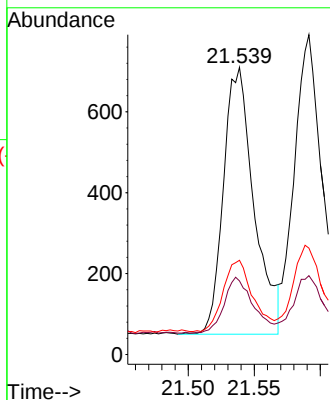
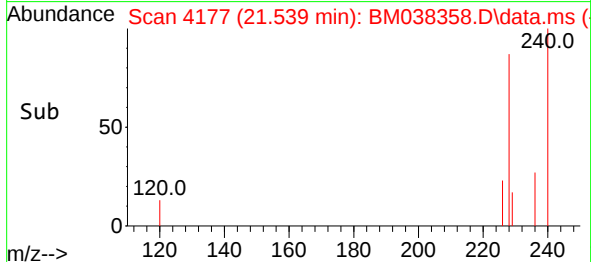
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



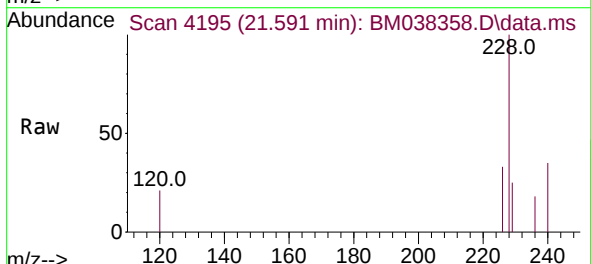
Tgt Ion:228 Resp: 1065
Ion Ratio Lower Upper
228 100
229 25.6 16.4 24.6
226 32.8 22.2 33.2

Manual Integrations
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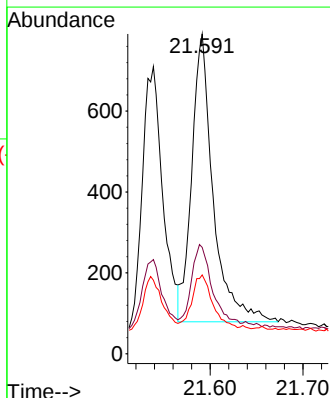
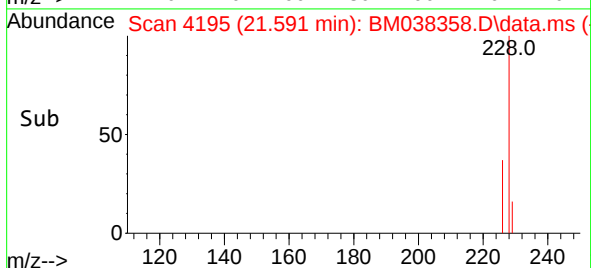
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023

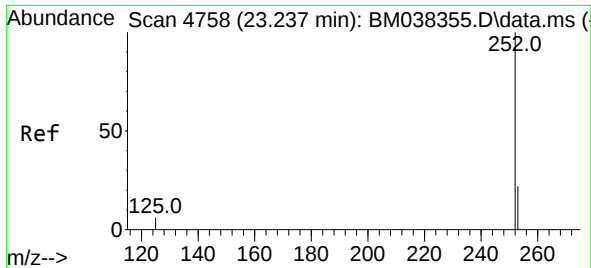


#22
Chrysene
Concen: 0.068 ng/u1
RT: 21.591 min Scan# 4195
Delta R.T. 0.003 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18



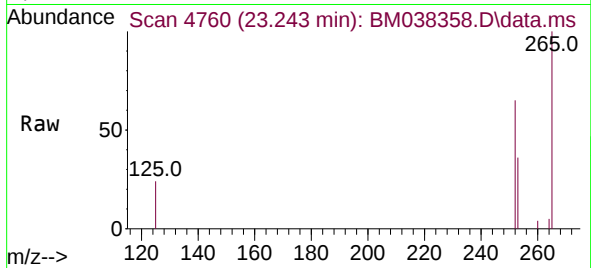
Tgt Ion:228 Resp: 1141
Ion Ratio Lower Upper
228 100
226 33.2 25.3 37.9
229 24.7 16.4 24.6#





#24
Benzo(b)fluoranthene
Concen: 0.058 ng/ul
RT: 23.243 min Scan# 4760
Delta R.T. 0.003 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

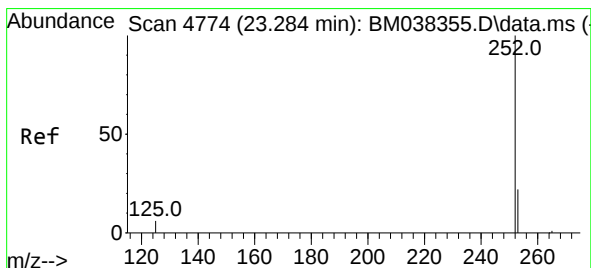
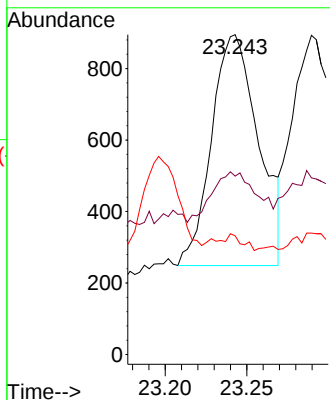
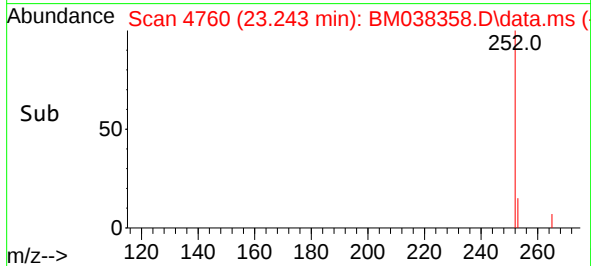
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



Tgt Ion:252 Resp: 1292
Ion Ratio Lower Upper
252 100
253 55.8 0.0 60.4
125 37.1 0.0 27.6

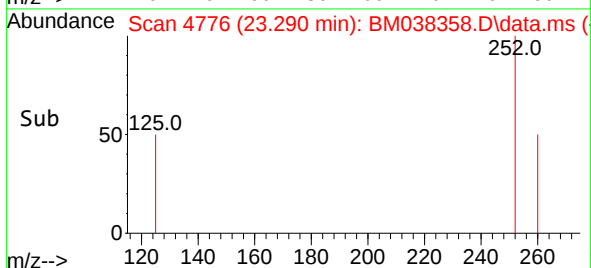
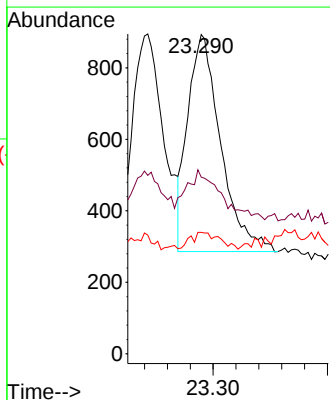
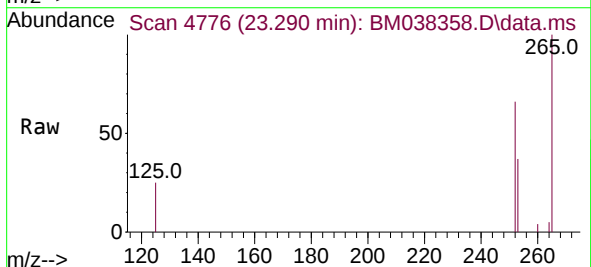
Manual Integrations
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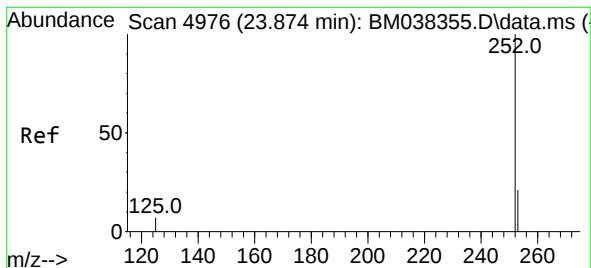
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#25
Benzo(k)fluoranthene
Concen: 0.055 ng/ul
RT: 23.290 min Scan# 4776
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

Tgt Ion:252 Resp: 1217
Ion Ratio Lower Upper
252 100
253 55.3 24.4 36.6#
125 38.1 10.7 16.1#





#26

Benzo(a)pyrene

Concen: 0.053 ng/ul

RT: 23.877 min Scan# 4977

Delta R.T. -0.003 min

Lab File: BM038358.D

Acq: 03 Jan 2023 13:18

Instrument :

BNM

ClientSampleId :

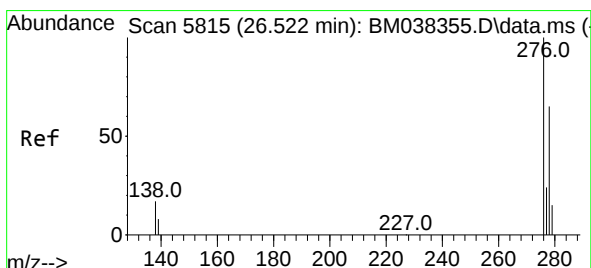
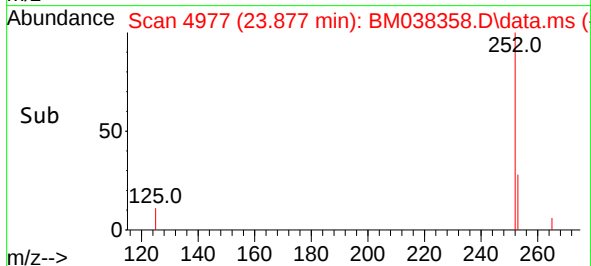
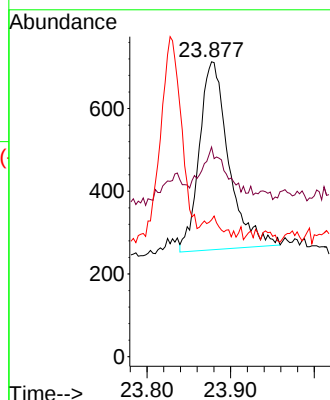
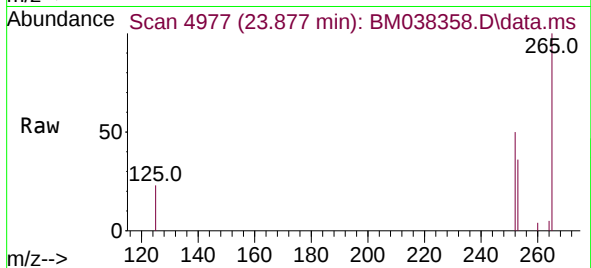
MDL-SOIL-QT4-2022-08

Tgt Ion:	252	Resp:	110
Ion Ratio	Lower	Upper	
252	100		
253	71.1	27.4	41.2
125	46.4	13.8	20.8

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Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.059 ng/ul

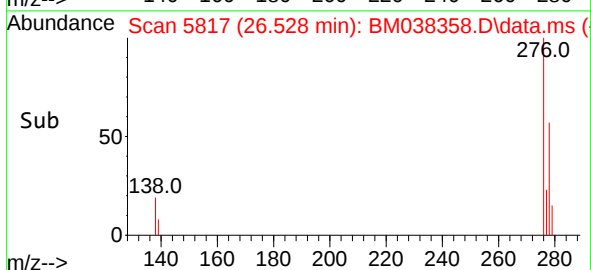
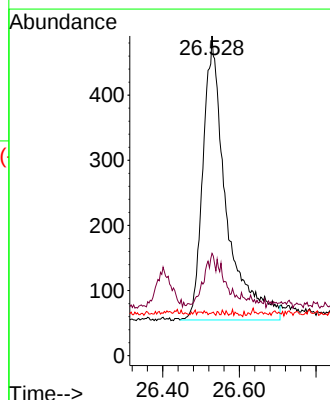
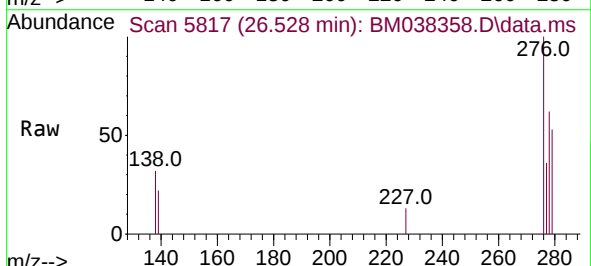
RT: 26.528 min Scan# 5817

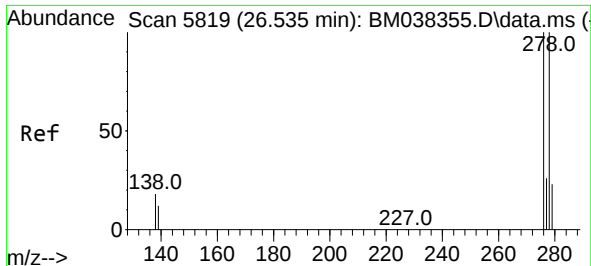
Delta R.T. -0.000 min

Lab File: BM038358.D

Acq: 03 Jan 2023 13:18

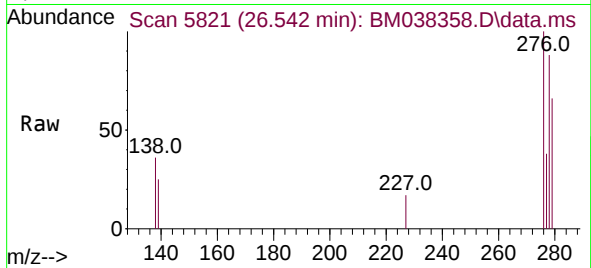
Tgt Ion:	276	Resp:	1820
Ion Ratio	Lower	Upper	
276	100		
138	14.5	14.1	21.1
227	0.1	0.1	0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.060 ng/ul
RT: 26.542 min Scan# 5819
Delta R.T. -0.000 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18

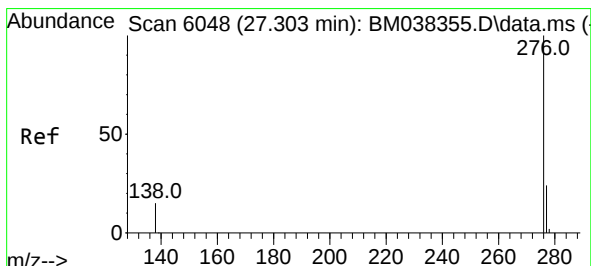
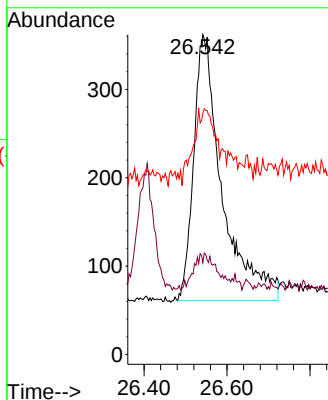
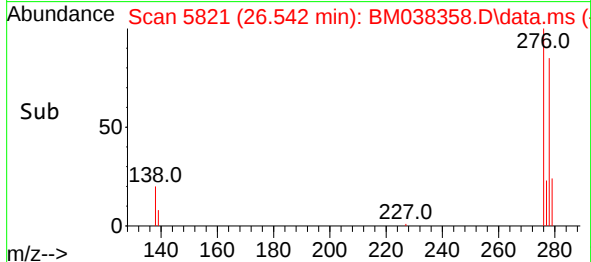
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2022-08



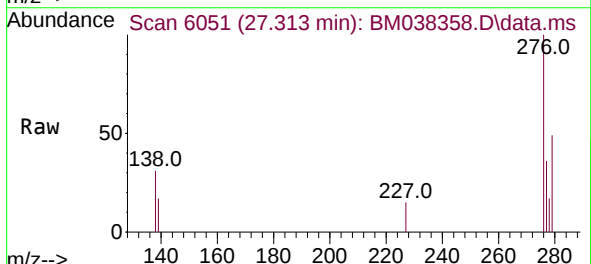
Tgt Ion:278 Resp: 1429
Ion Ratio Lower Upper
278 100
139 28.7 11.4 17.0#
279 75.4 26.4 39.6#

Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :mohammad ahmed 01/05/2023



#29
Benzo(g,h,i)perylene
Concen: 0.060 ng/ul
RT: 27.313 min Scan# 6051
Delta R.T. 0.006 min
Lab File: BM038358.D
Acq: 03 Jan 2023 13:18



Tgt Ion:276 Resp: 1635
Ion Ratio Lower Upper
276 100
138 30.9 14.4 21.6#
277 36.2 20.7 31.1#

