

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011123\
 Data File : BM038429.D
 Acq On : 11 Jan 2023 12:03
 Operator : CG/JU
 Sample : N4239-03
 Misc : SFAM-SIM-MDL-S-01-0.07NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 12 01:16:38 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 01/12/2023
 Supervised By :mohammad ahmed 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	1434	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	3833	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.629	164	2141	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	4283	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	4630	0.400	ng/ul	0.00
23) Perylene-d12	23.974	264	5278	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.368	96	1151	0.538	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.402	152	1762	0.306	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	4335	0.330	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.406	88	183m	0.084	ng/ul	
5) Naphthalene	10.862	128	605	0.059	ng/ul#	65
7) 2-Methylnaphthalene	12.473	142	341	0.054	ng/ul	96
8) 1-Methylnaphthalene	12.688	142	329	0.051	ng/ul	96
10) Acenaphthylene	14.356	152	550	0.055	ng/ul#	73
11) Acenaphthene	14.694	153	418	0.057	ng/ul#	91
12) Fluorene	15.684	166	460	0.055	ng/ul#	86
14) Pentachlorophenol	17.038	266	176	0.115	ng/ul	98
15) Phenanthrene	17.418	178	732	0.058	ng/ul#	78
16) Anthracene	17.515	178	640	0.055	ng/ul#	71
19) Fluoranthene	19.422	202	954	0.060	ng/ul#	74
20) Pyrene	19.789	202	1043	0.061	ng/ul#	85
21) Benzo(a)anthracene	21.530	228	883	0.057	ng/ul#	89
22) Chrysene	21.583	228	974	0.060	ng/ul#	89
24) Benzo(b)fluoranthene	23.231	252	1071	0.056	ng/ul#	52
25) Benzo(k)fluoranthene	23.281	252	1131	0.059	ng/ul#	55
26) Benzo(a)pyrene	23.869	252	1079	0.060	ng/ul#	46
27) Indeno(1,2,3-cd)pyrene	26.519	276	1495	0.057	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.532	278	1173	0.057	ng/ul#	48
29) Benzo(g,h,i)perylene	27.300	276	1306	0.056	ng/ul#	77

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

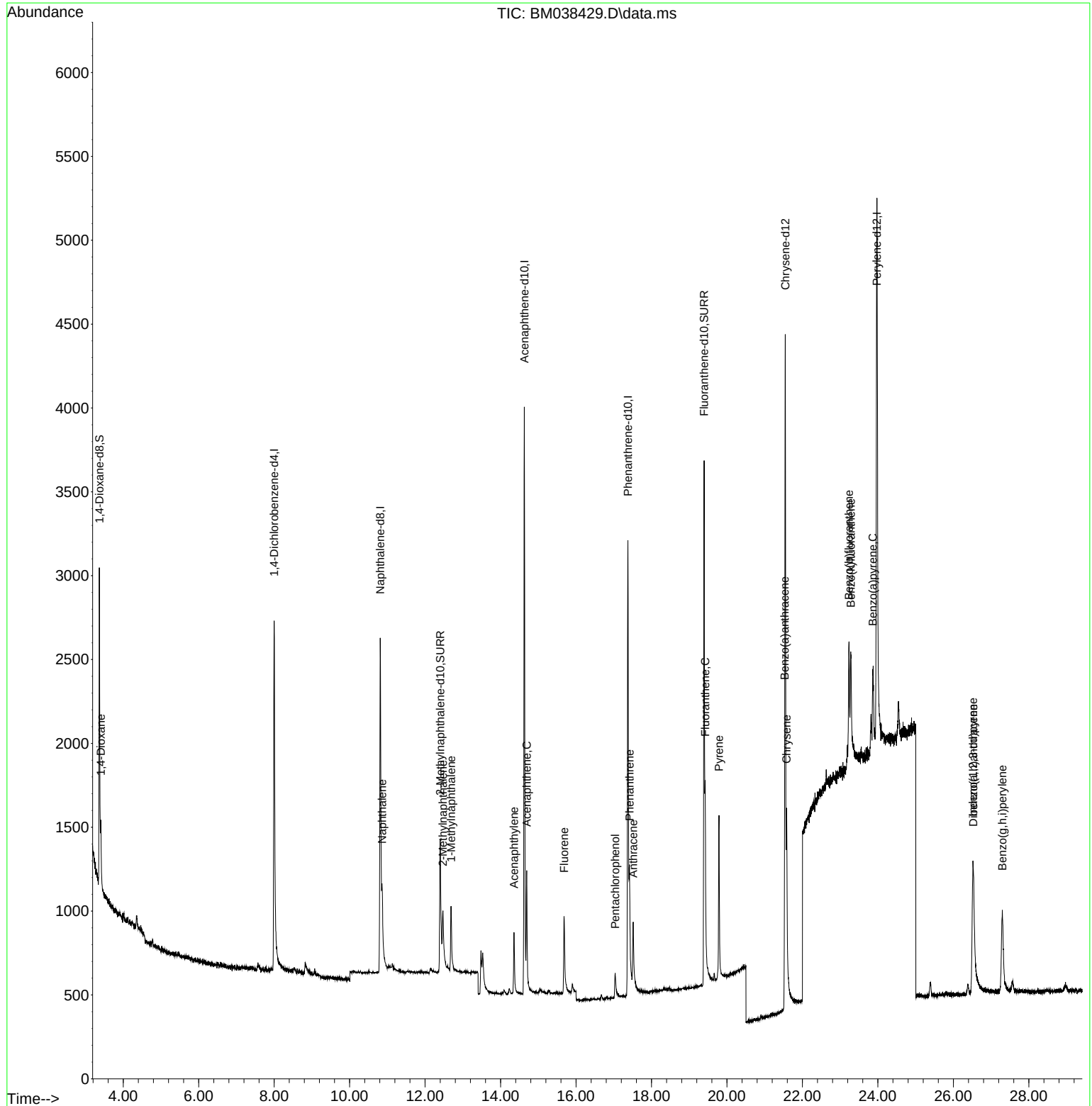
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011123\
Data File : BM038429.D
Acq On : 11 Jan 2023 12:03
Operator : CG/JU
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Misc : SFAM-SIM-MDL-S-01-0.07NG
ALS Vial : 6 Sample Multiplier: 1

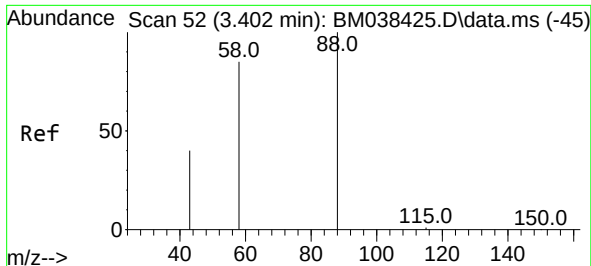
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05

Quant Time: Jan 12 01:16:38 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

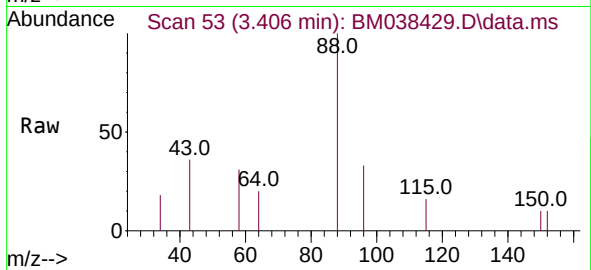
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023





#2
1,4-Dioxane
Concen: 0.084 ng/ul m
RT: 3.406 min Scan# 53
Delta R.T. 0.004 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

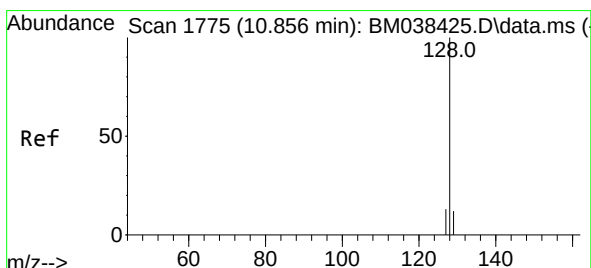
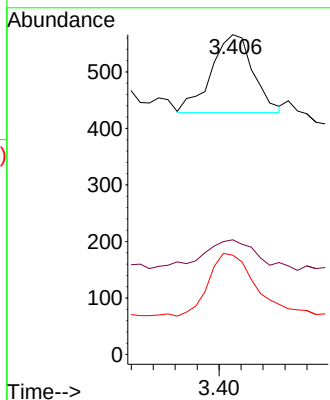
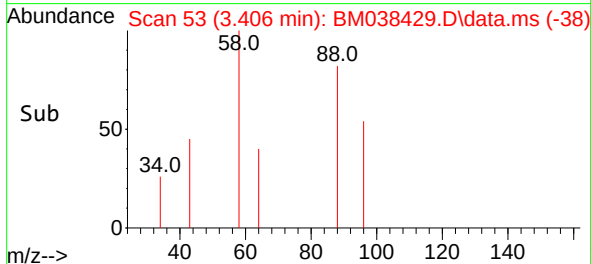
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion: 88 Resp: 183
Ion Ratio Lower Upper
88 100
43 35.9 32.6 49.0
58 31.1 46.6 69.8

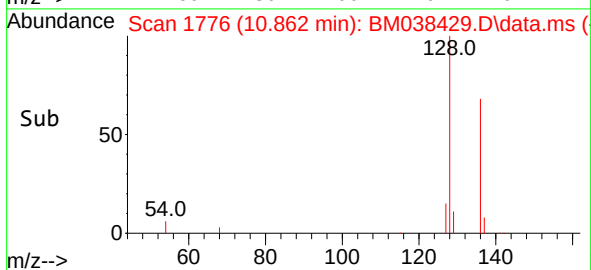
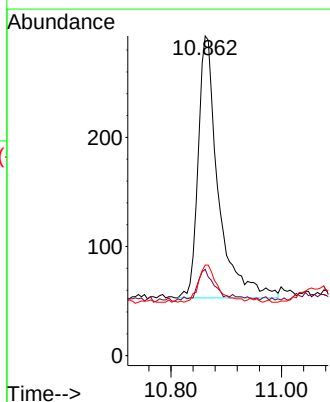
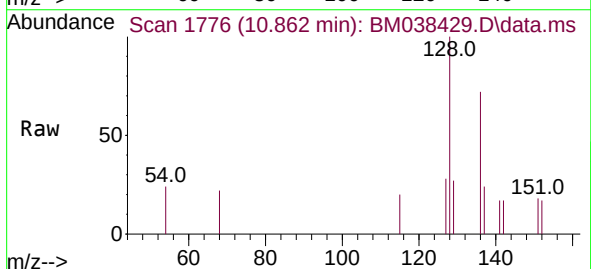
Manual Integrations
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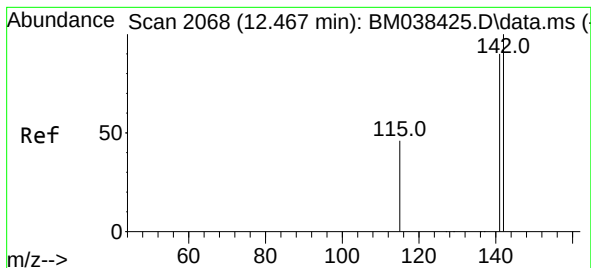
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#5
Naphthalene
Concen: 0.059 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

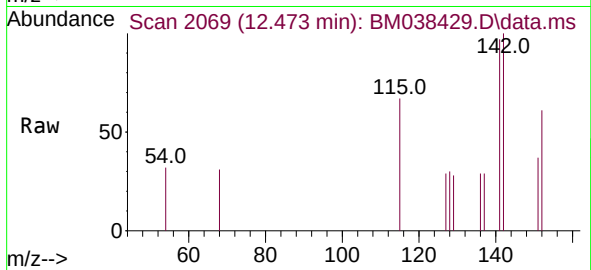
Tgt Ion:128 Resp: 605
Ion Ratio Lower Upper
128 100
129 27.0 10.2 15.2#
127 28.3 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.473 min Scan# 2068
Delta R.T. 0.006 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

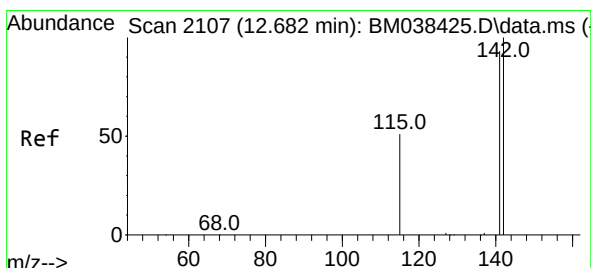
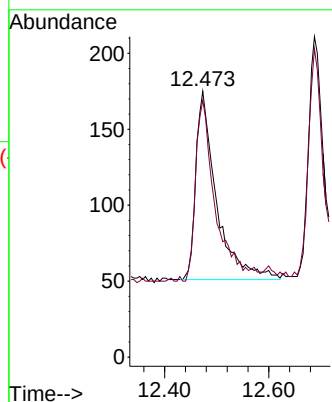
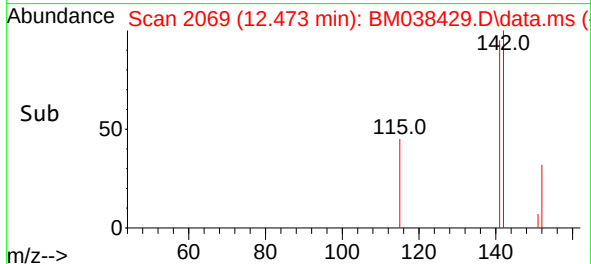
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



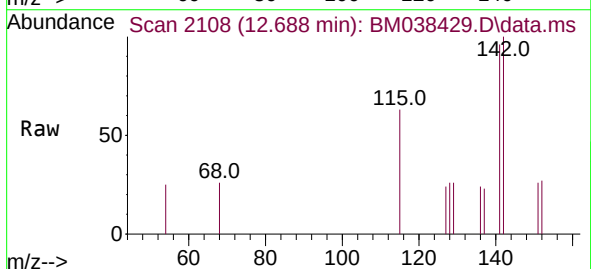
Tgt Ion:142 Resp: 341
Ion Ratio Lower Upper
142 100
141 92.7 71.2 106.8

Manual Integrations
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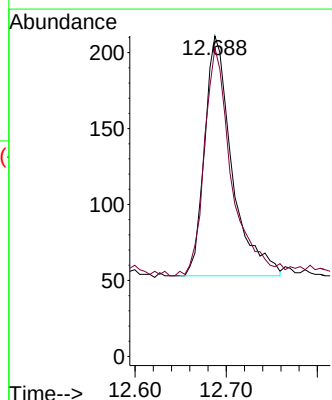
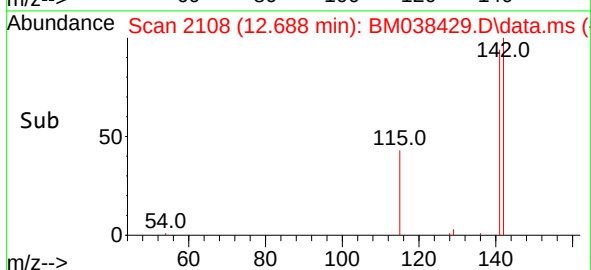
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

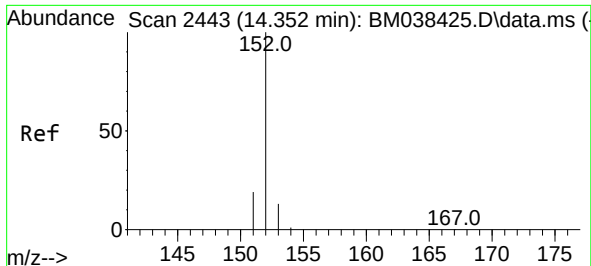


#8
1-Methylnaphthalene
Concen: 0.051 ng/ul
RT: 12.688 min Scan# 2108
Delta R.T. 0.006 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03



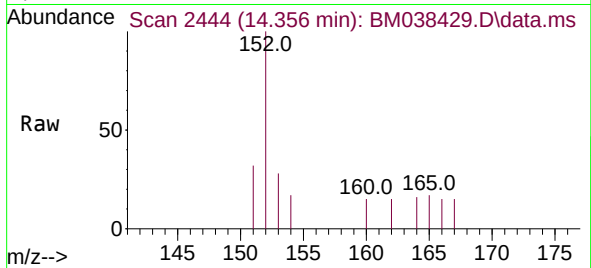
Tgt Ion:142 Resp: 329
Ion Ratio Lower Upper
142 100
141 95.1 73.2 109.8





#10
Acenaphthylene
Concen: 0.055 ng/u1
RT: 14.356 min Scan# 2444
Delta R.T. 0.005 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

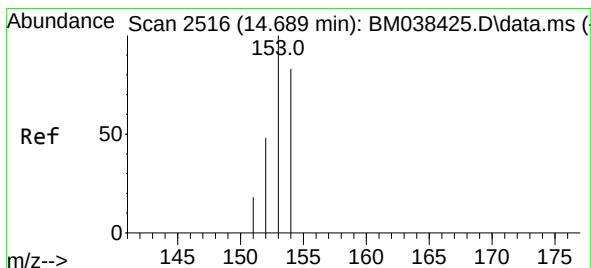
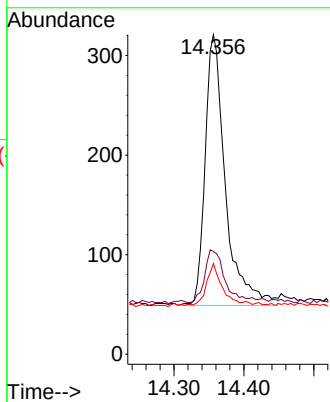
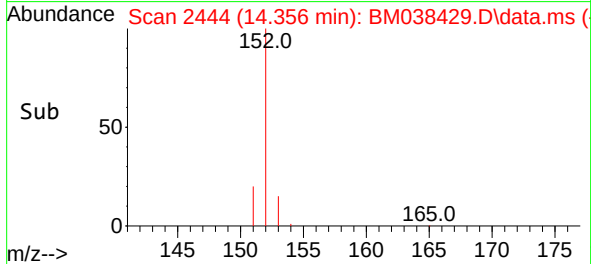
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:152 Resp: 550
Ion Ratio Lower Upper
152 100
151 32.1 17.0 25.4
153 28.3 12.0 18.0

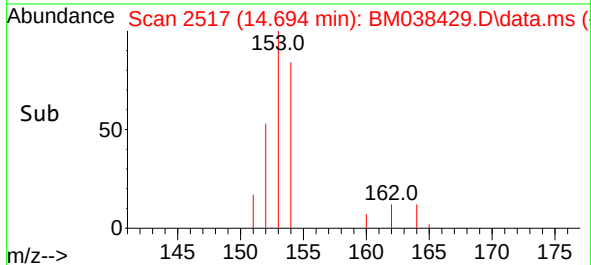
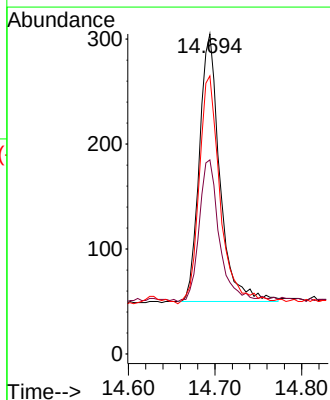
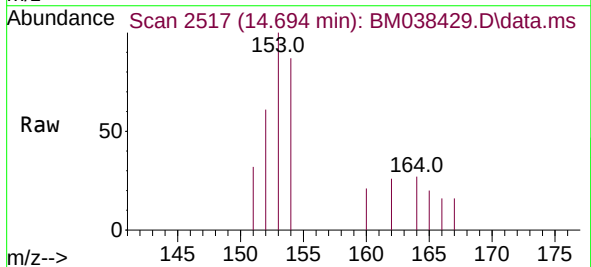
Manual Integrations
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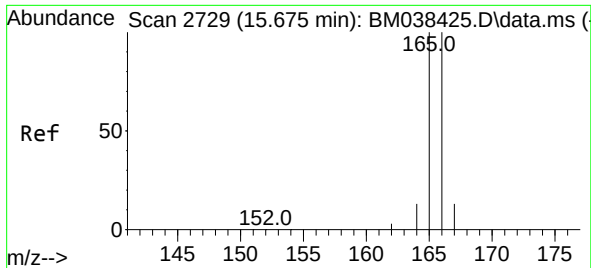
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#11
Acenaphthene
Concen: 0.057 ng/u1
RT: 14.694 min Scan# 2517
Delta R.T. 0.005 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

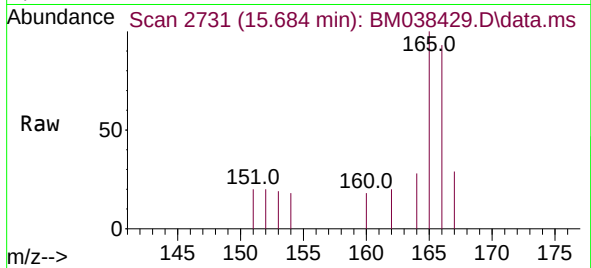
Tgt Ion:153 Resp: 418
Ion Ratio Lower Upper
153 100
152 60.7 38.8 58.2
154 86.9 67.3 100.9





#12
Fluorene
Concen: 0.055 ng/ul
RT: 15.684 min Scan# 21
Delta R.T. 0.009 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

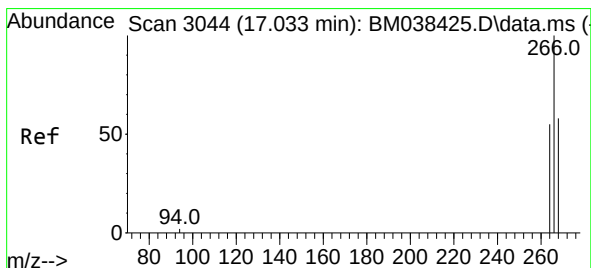
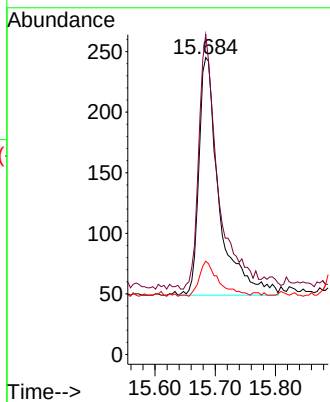
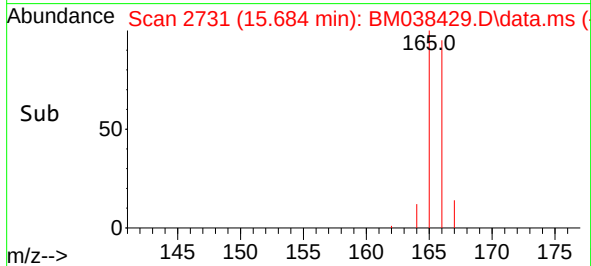
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:166 Resp: 460
Ion Ratio Lower Upper
166 100
165 107.8 78.2 117.2
167 31.4 12.5 18.7

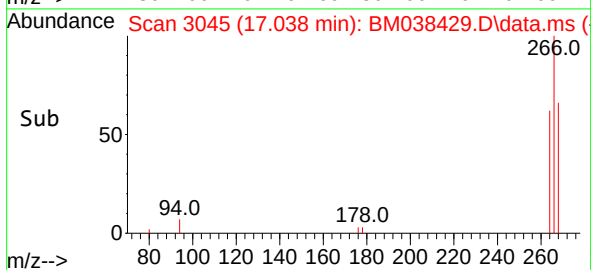
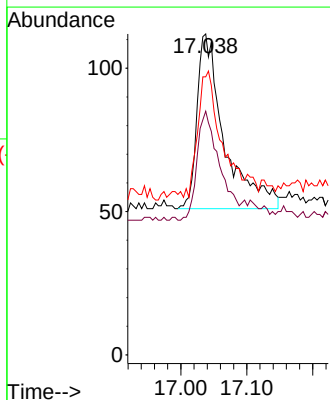
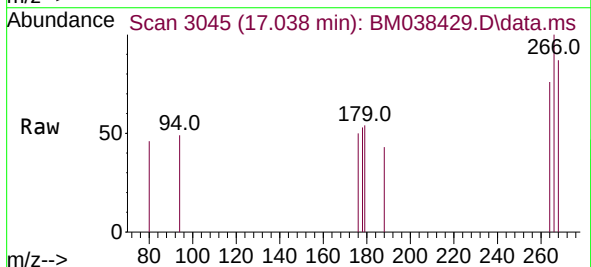
Manual Integrations
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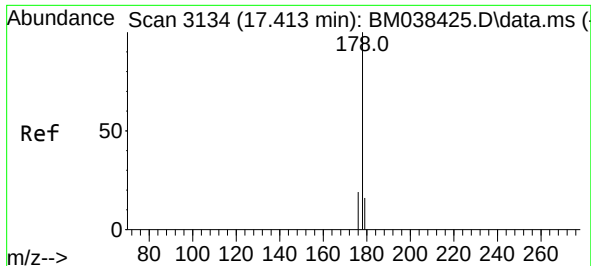
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#14
Pentachlorophenol
Concen: 0.115 ng/ul
RT: 17.038 min Scan# 3045
Delta R.T. 0.004 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

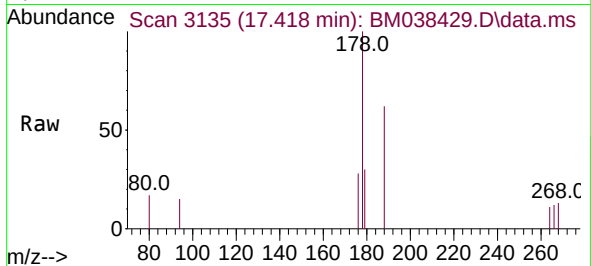
Tgt Ion:266 Resp: 176
Ion Ratio Lower Upper
266 100
264 59.7 50.0 75.0
268 60.8 48.2 72.2





#15
Phenanthrene
Concen: 0.058 ng/u1
RT: 17.418 min Scan# 3134
Delta R.T. 0.004 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

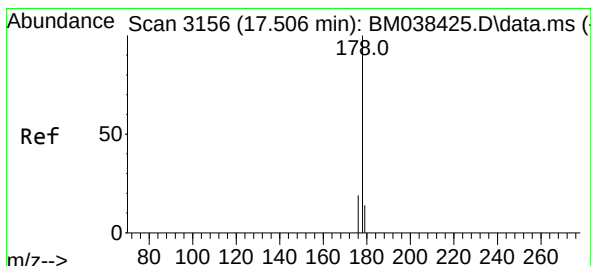
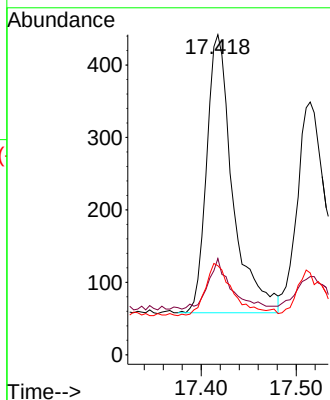
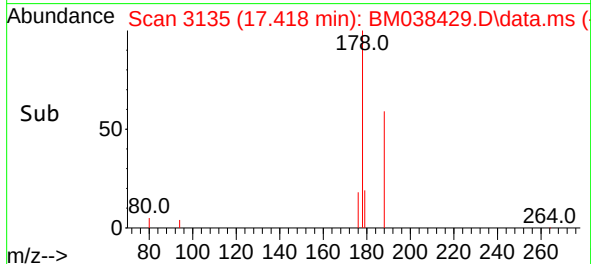
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:178 Resp: 732
Ion Ratio Lower Upper
178 100
179 30.1 13.5 20.3#
176 27.8 16.6 25.0#

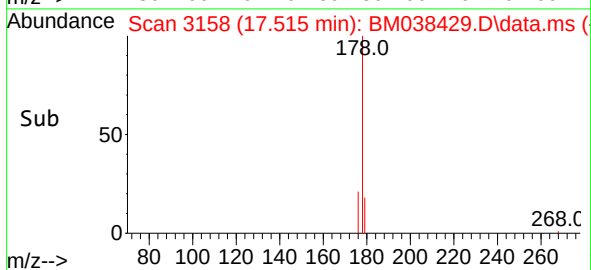
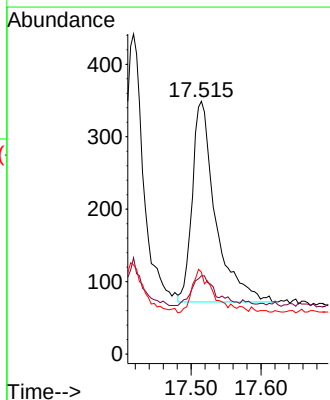
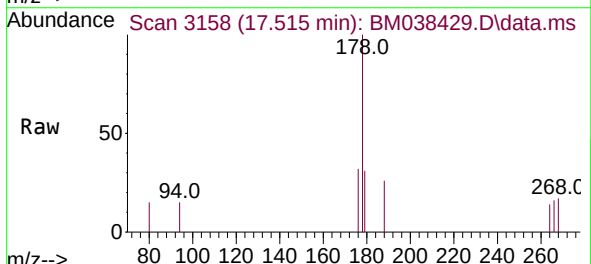
Manual Integrations
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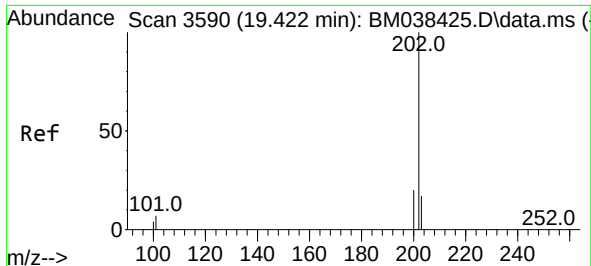
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#16
Anthracene
Concen: 0.055 ng/u1
RT: 17.515 min Scan# 3158
Delta R.T. 0.009 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

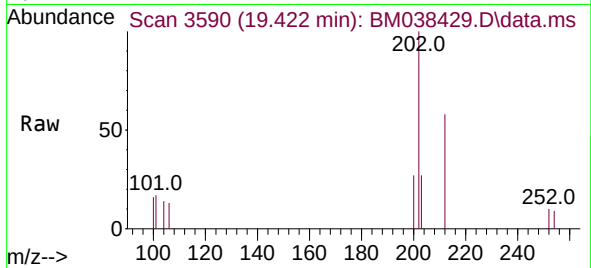
Tgt Ion:178 Resp: 640
Ion Ratio Lower Upper
178 100
179 30.9 14.2 21.2#
176 32.4 15.8 23.8#





#19
Fluoranthene
Concen: 0.060 ng/u1
RT: 19.422 min Scan# 3590
Delta R.T. 0.000 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

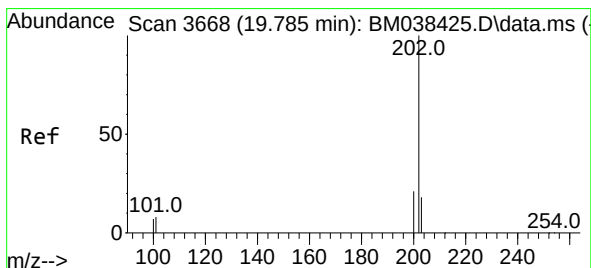
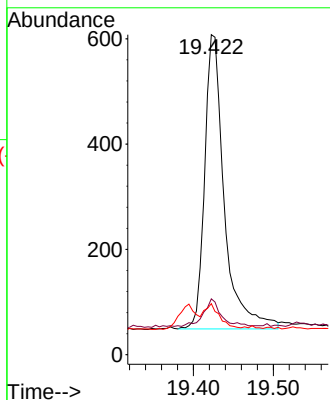
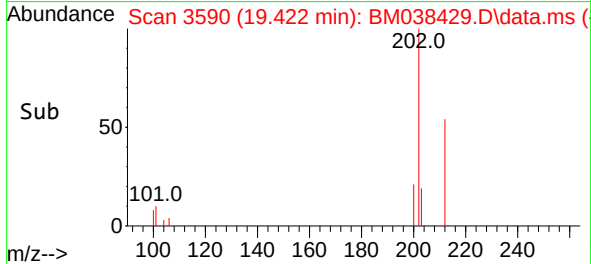
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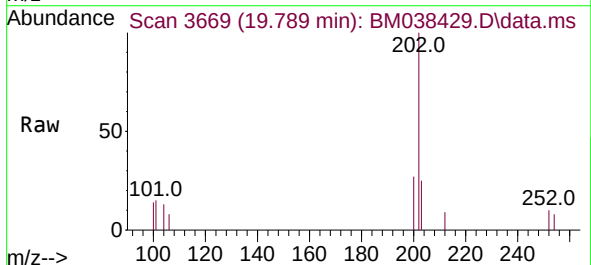
Tgt Ion:202 Resp: 954
Ion Ratio Lower Upper
202 100
101 17.4 6.6 10.0#
100 16.0 5.4 8.2#

Manual Integrations
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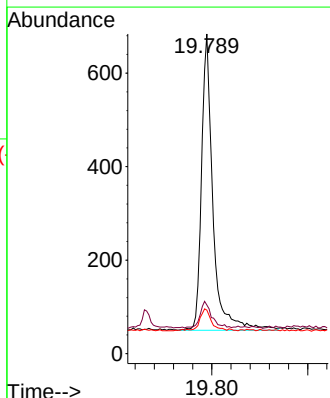
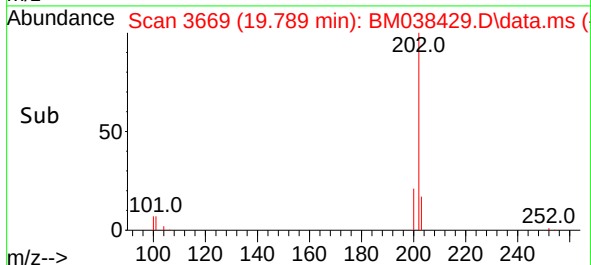
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

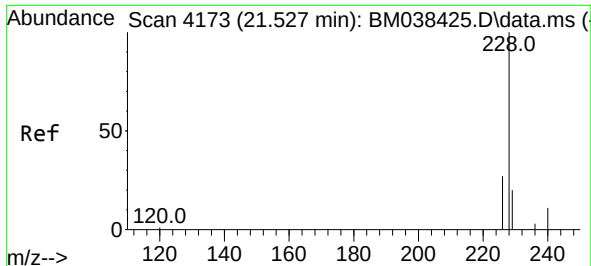


#20
Pyrene
Concen: 0.061 ng/u1
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03



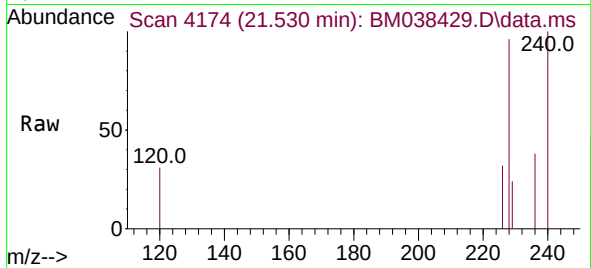
Tgt Ion:202 Resp: 1043
Ion Ratio Lower Upper
202 100
101 15.2 7.8 11.6#
100 13.6 6.5 9.7#





#21
Benzo(a)anthracene
Concen: 0.057 ng/uI
RT: 21.530 min Scan# 4173
Delta R.T. 0.003 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

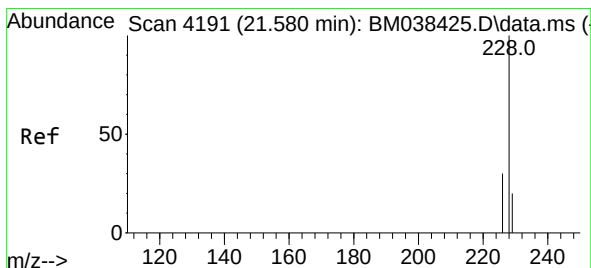
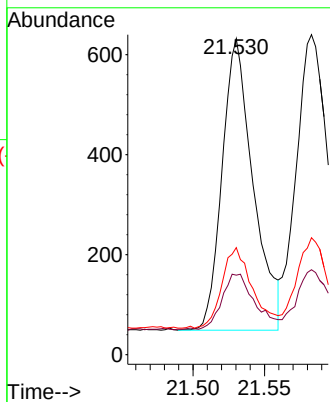
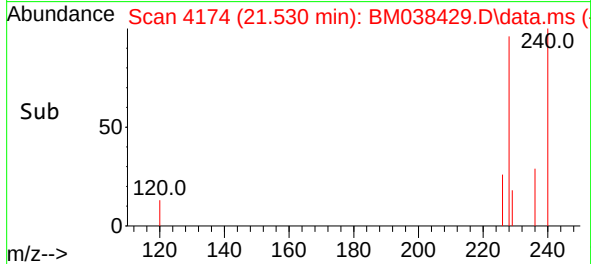
Instrument :
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MDL-SOIL-QT3-2022-05



Tgt Ion:228 Resp: 883
Ion Ratio Lower Upper
228 100
229 25.2 16.4 24.6
226 33.9 22.2 33.2

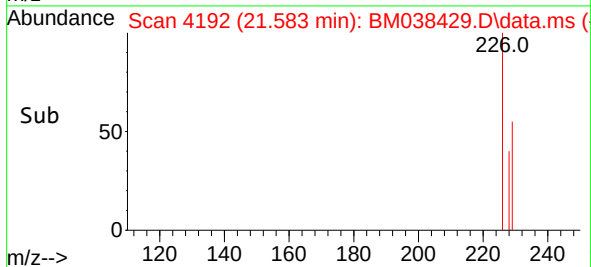
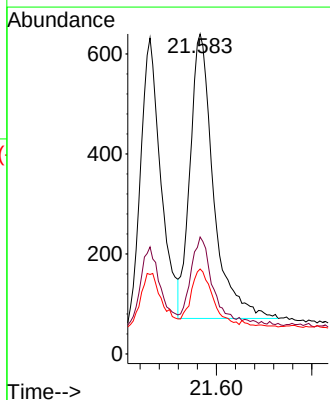
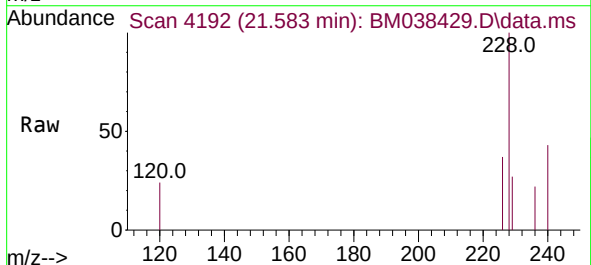
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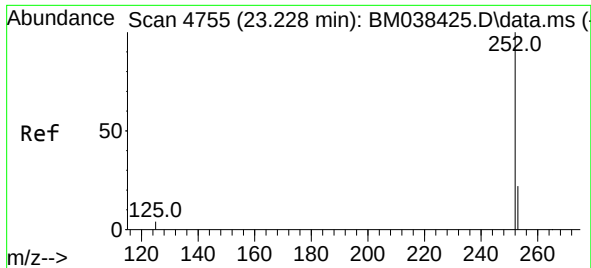
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#22
Chrysene
Concen: 0.060 ng/uI
RT: 21.583 min Scan# 4192
Delta R.T. 0.003 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

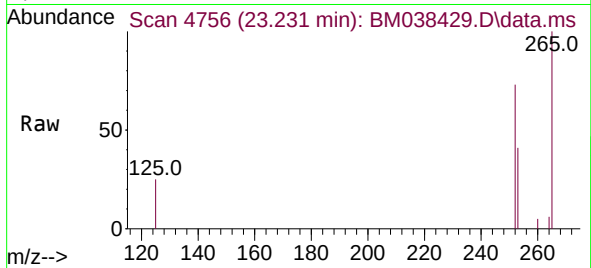
Tgt Ion:228 Resp: 974
Ion Ratio Lower Upper
228 100
226 36.6 25.3 37.9
229 26.6 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 0.056 ng/ul
RT: 23.231 min Scan# 4755
Delta R.T. 0.003 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

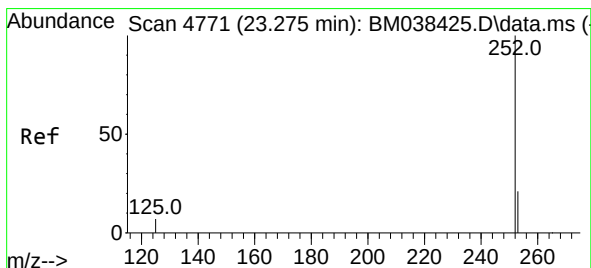
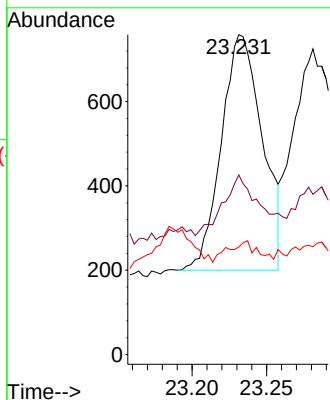
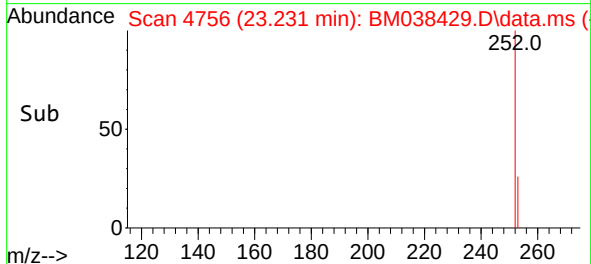
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:252 Resp: 107
Ion Ratio Lower Upper
252 100
253 56.1 0.0 60.4
125 33.6 0.0 27.6

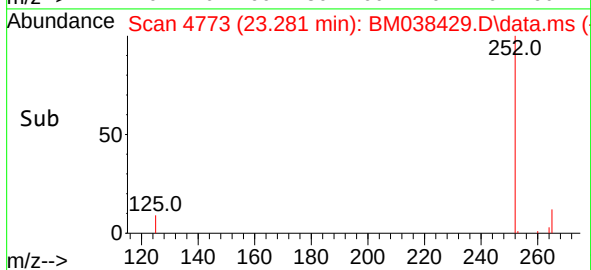
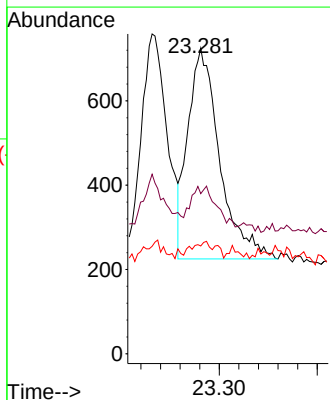
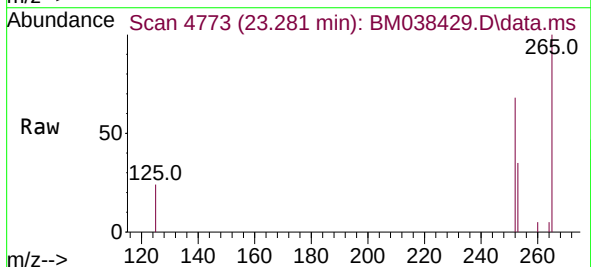
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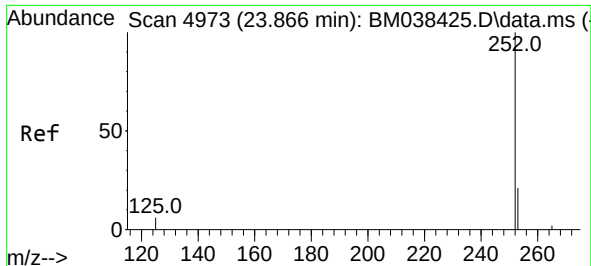
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#25
Benzo(k)fluoranthene
Concen: 0.059 ng/ul
RT: 23.281 min Scan# 4773
Delta R.T. 0.006 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

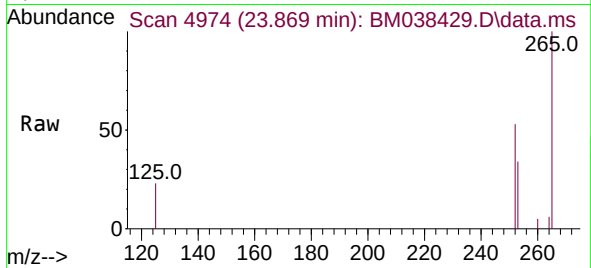
Tgt Ion:252 Resp: 1131
Ion Ratio Lower Upper
252 100
253 52.4 24.4 36.6#
125 35.3 10.7 16.1#





#26
Benzo(a)pyrene
Concen: 0.060 ng/ul
RT: 23.869 min Scan# 4973
Delta R.T. 0.003 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

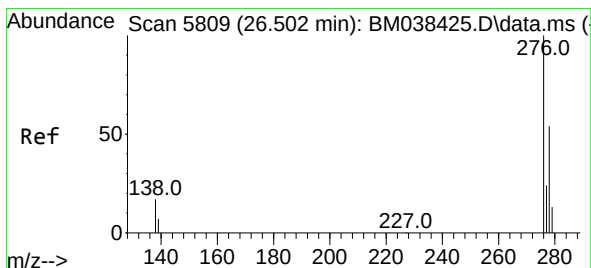
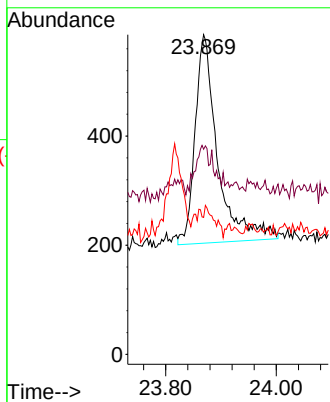
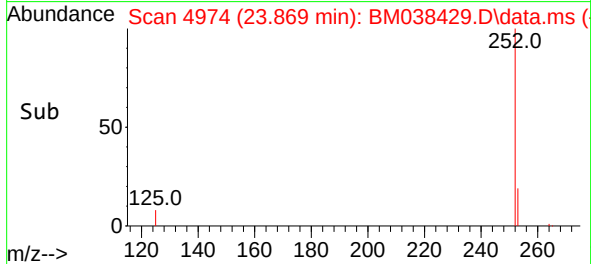
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



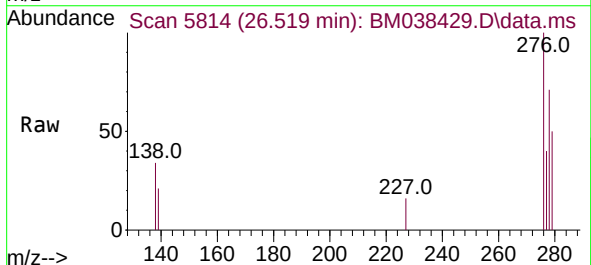
Tgt Ion:252 Resp: 1079
Ion Ratio Lower Upper
252 100
253 64.2 27.4 41.2
125 42.8 13.8 20.8

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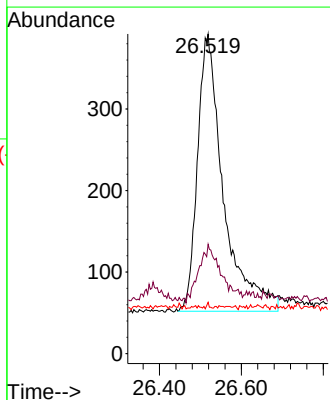
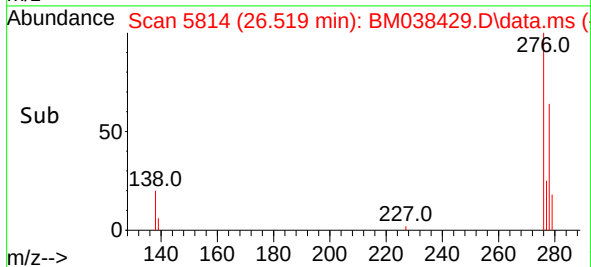
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

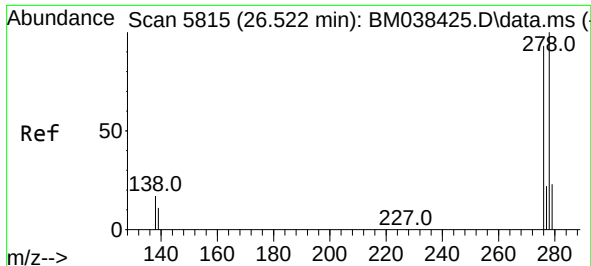


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng/ul
RT: 26.519 min Scan# 5814
Delta R.T. 0.017 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03



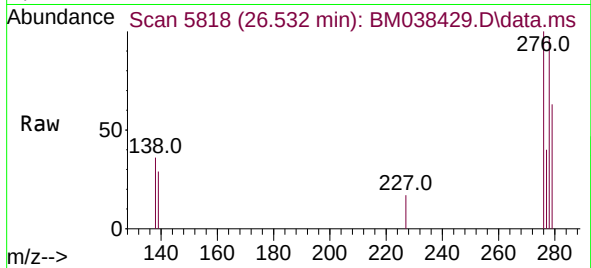
Tgt Ion:276 Resp: 1495
Ion Ratio Lower Upper
276 100
138 17.2 14.1 21.1
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul
RT: 26.532 min Scan# 5815
Delta R.T. 0.010 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03

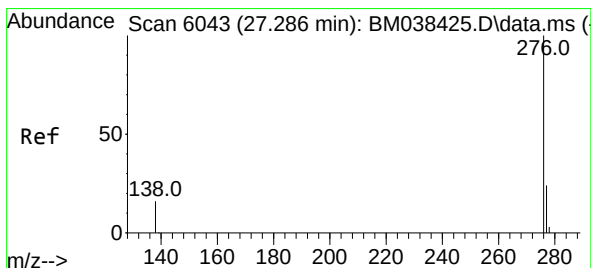
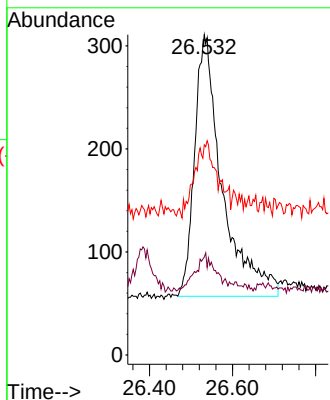
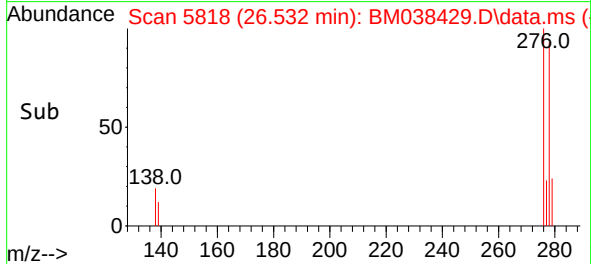
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-05



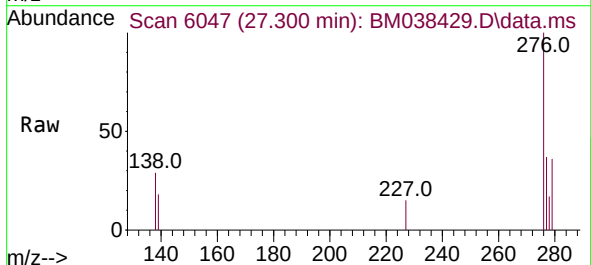
Tgt Ion:278 Resp: 1173
Ion Ratio Lower Upper
278 100
139 30.5 11.4 17.0#
279 65.6 26.4 39.6#

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APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#29
Benzo(g,h,i)perylene
Concen: 0.056 ng/ul
RT: 27.300 min Scan# 6047
Delta R.T. 0.014 min
Lab File: BM038429.D
Acq: 11 Jan 2023 12:03



Tgt Ion:276 Resp: 1306
Ion Ratio Lower Upper
276 100
138 29.3 14.4 21.6#
277 37.0 20.7 31.1#

