

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011123\
 Data File : BM038427.D
 Acq On : 11 Jan 2023 10:38
 Operator : CG/JU
 Sample : N4239-01
 Misc : SFAM-SIM-MDL-W-01-0.07NG
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Jan 12 01:16:10 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.001	152	1364	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	3502	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.629	164	1967	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	3911	0.400	ng/ul	0.00
17) Chrysene-d12	21.545	240	4255	0.400	ng/ul	0.00
23) Perylene-d12	23.971	264	4833	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.368	96	1119	0.550	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.401	152	1648	0.314	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	3898	0.323	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.406	88	166m	0.080	ng/ul	
5) Naphthalene	10.862	128	549	0.059	ng/ul#	66
7) 2-Methylnaphthalene	12.473	142	320	0.056	ng/ul	96
8) 1-Methylnaphthalene	12.687	142	303	0.052	ng/ul	94
10) Acenaphthylene	14.356	152	512	0.056	ng/ul#	70
11) Acenaphthene	14.689	153	396	0.058	ng/ul	95
12) Fluorene	15.684	166	414	0.054	ng/ul#	92
14) Pentachlorophenol	17.037	266	168	0.121	ng/ul	88
15) Phenanthrene	17.417	178	675	0.058	ng/ul#	78
16) Anthracene	17.514	178	552	0.052	ng/ul#	69
19) Fluoranthene	19.422	202	855	0.058	ng/ul#	73
20) Pyrene	19.789	202	928	0.059	ng/ul#	81
21) Benzo(a)anthracene	21.530	228	817	0.058	ng/ul#	87
22) Chrysene	21.583	228	877	0.059	ng/ul#	89
24) Benzo(b)fluoranthene	23.234	252	1051	0.060	ng/ul#	55
25) Benzo(k)fluoranthene	23.284	252	965	0.055	ng/ul#	52
26) Benzo(a)pyrene	23.866	252	917	0.055	ng/ul#	37
27) Indeno(1,2,3-cd)pyrene	26.518	276	1418	0.059	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.528	278	1084	0.057	ng/ul#	45
29) Benzo(g,h,i)perylene	27.303	276	1200	0.056	ng/ul#	73

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

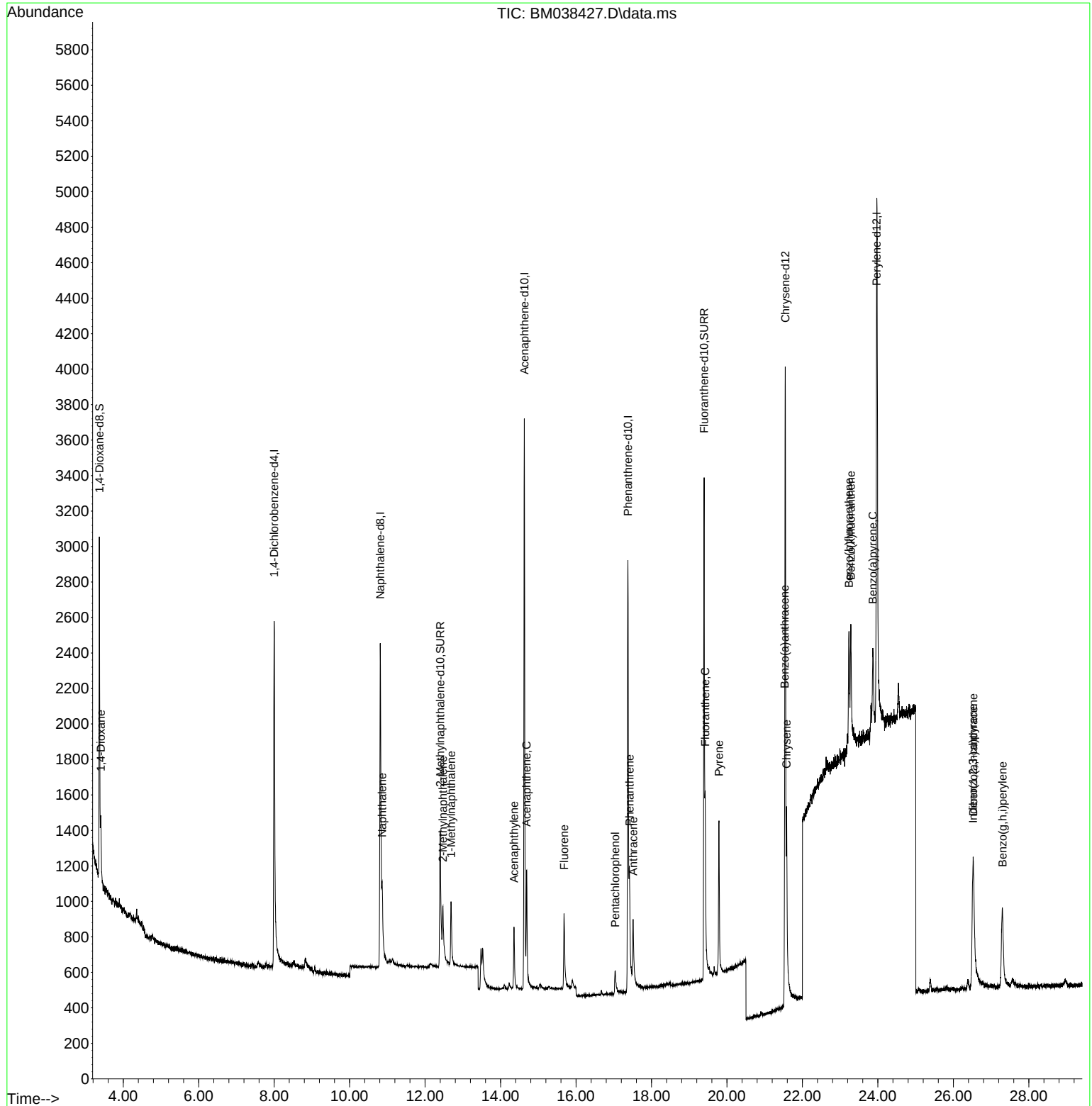
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011123\
Data File : BM038427.D
Acq On : 11 Jan 2023 10:38
Operator : CG/JU
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Misc : SFAM-SIM-MDL-W-01-0.07NG
ALS Vial : 4 Sample Multiplier: 1

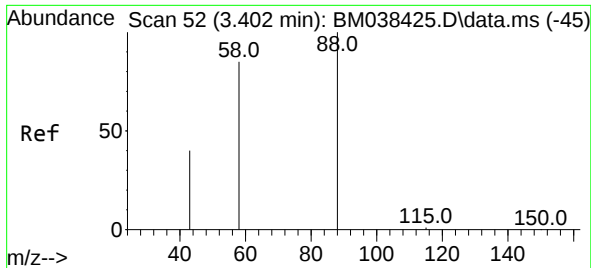
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05

Quant Time: Jan 12 01:16:10 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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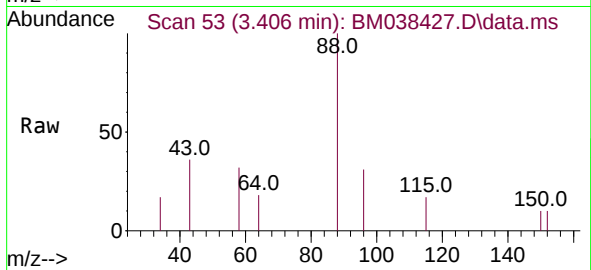
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023





#2
1,4-Dioxane
Concen: 0.080 ng/ul m
RT: 3.406 min Scan# 53
Delta R.T. 0.004 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

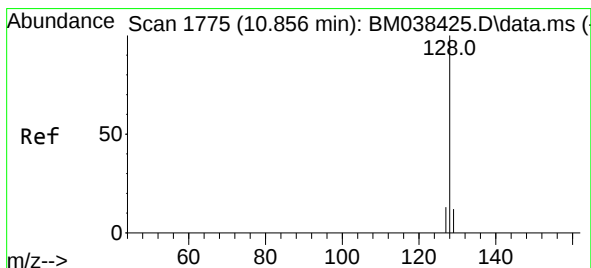
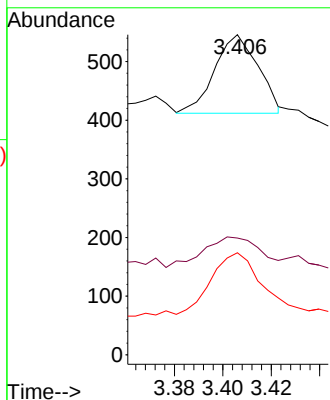
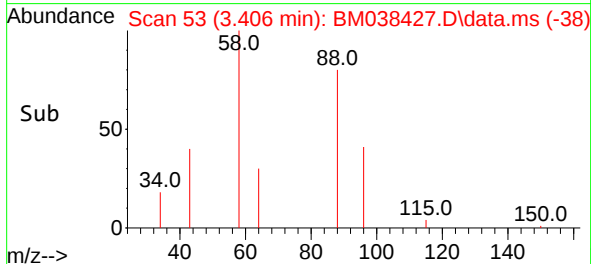
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 36.4 32.6 49.0
58 31.9 46.6 69.8

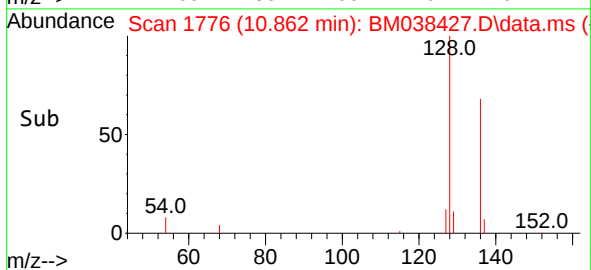
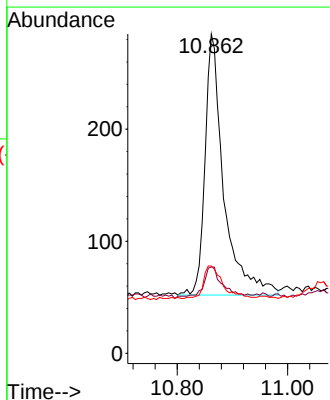
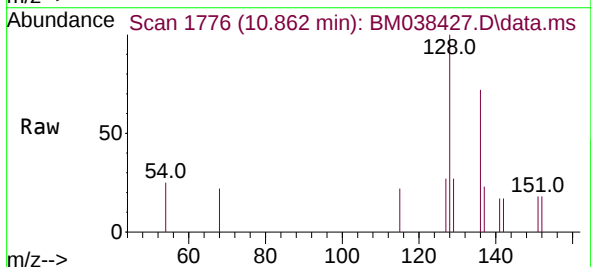
Manual Integrations
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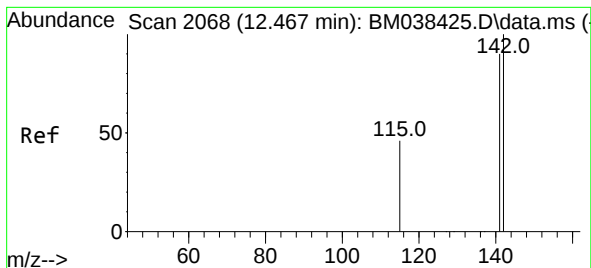
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#5
Naphthalene
Concen: 0.059 ng/ul
RT: 10.862 min Scan# 1776
Delta R.T. 0.005 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

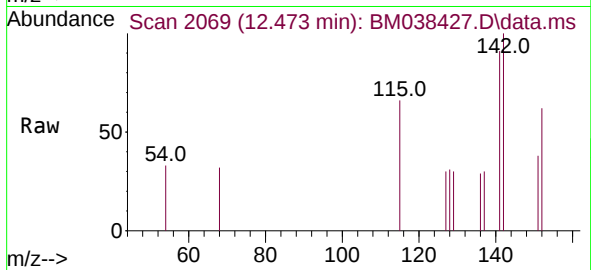
Tgt Ion:128 Resp: 549
Ion Ratio Lower Upper
128 100
129 27.0 10.2 15.2#
127 27.4 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.473 min Scan# 2068
Delta R.T. 0.005 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

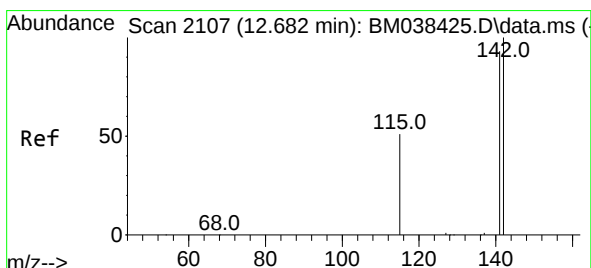
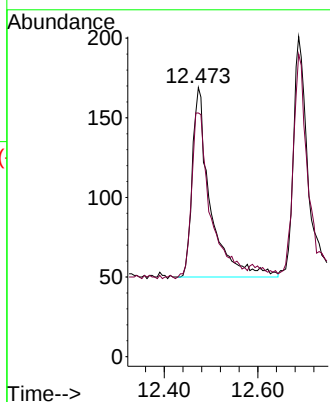
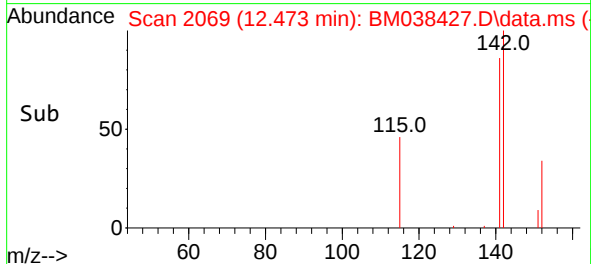
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



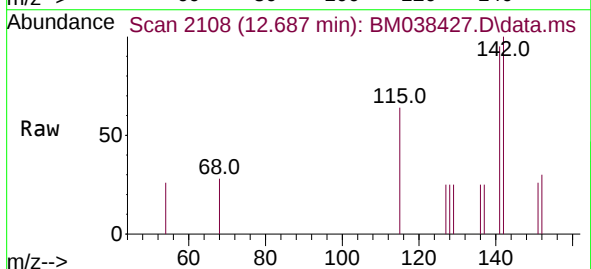
Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
141 92.5 71.2 106.8

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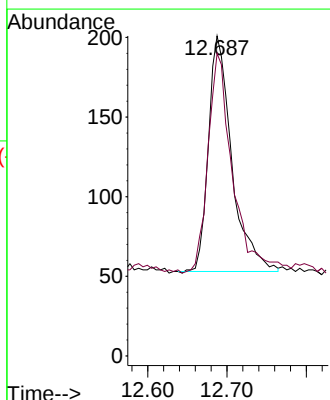
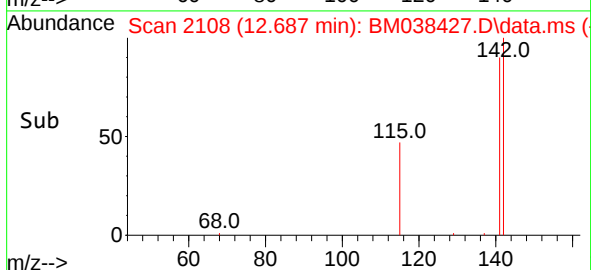
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

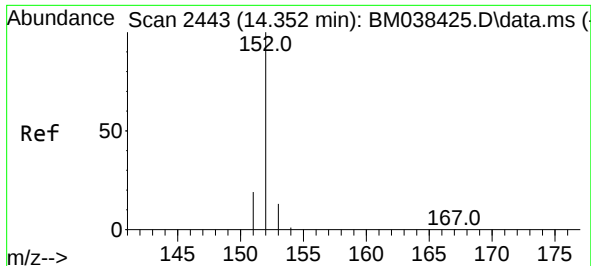


#8
1-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. 0.005 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38



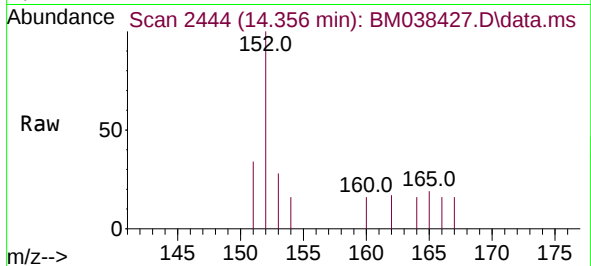
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
141 97.0 73.2 109.8





#10
Acenaphthylene
Concen: 0.056 ng/ul
RT: 14.356 min Scan# 2444
Delta R.T. 0.005 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

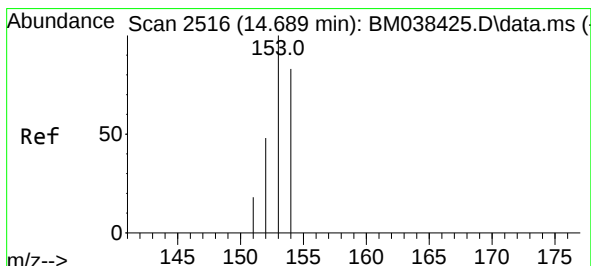
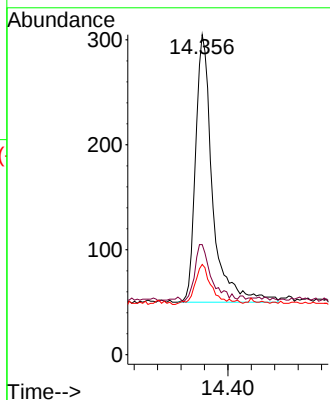
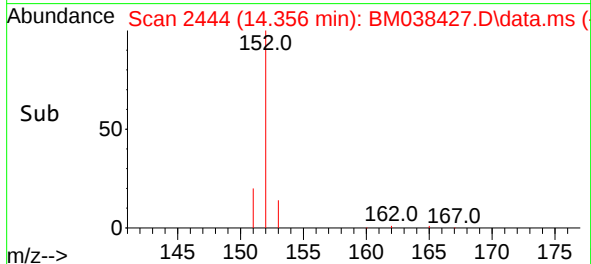
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:152 Resp: 512
Ion Ratio Lower Upper
152 100
151 34.4 17.0 25.4
153 28.2 12.0 18.0

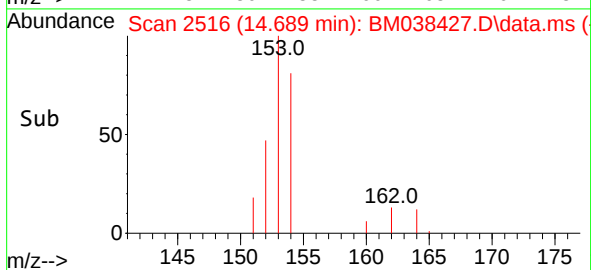
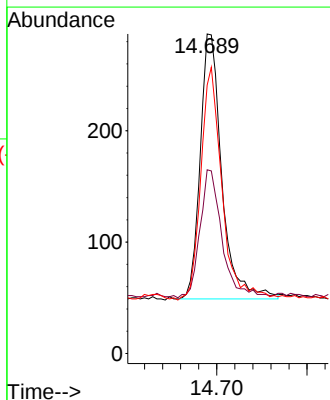
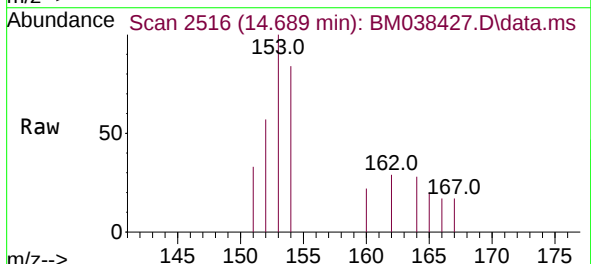
Manual Integrations
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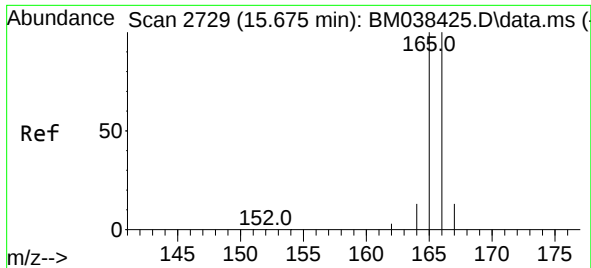
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#11
Acenaphthene
Concen: 0.058 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

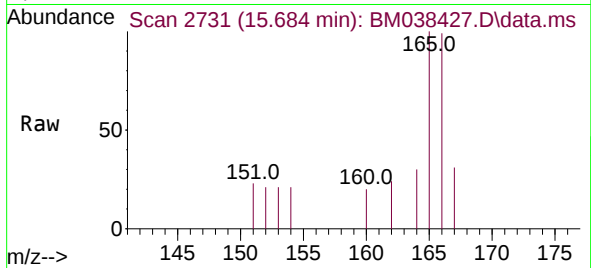
Tgt Ion:153 Resp: 396
Ion Ratio Lower Upper
153 100
152 57.5 38.8 58.2
154 84.0 67.3 100.9





#12
Fluorene
Concen: 0.054 ng/ul
RT: 15.684 min Scan# 21
Delta R.T. 0.009 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

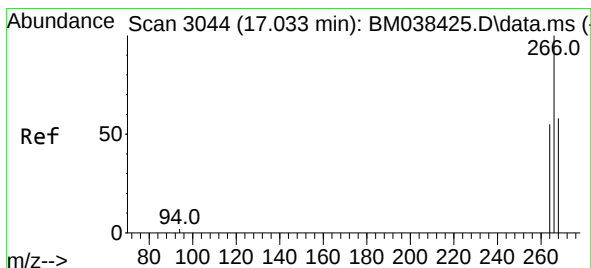
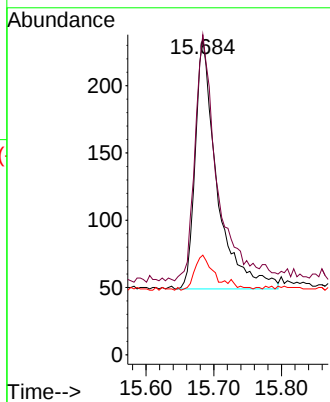
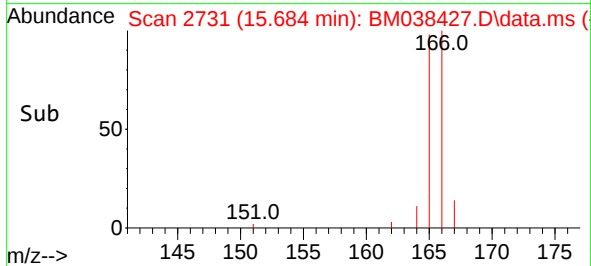
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:166 Resp: 414
Ion Ratio Lower Upper
166 100
165 101.3 78.2 117.2
167 31.5 12.5 18.7

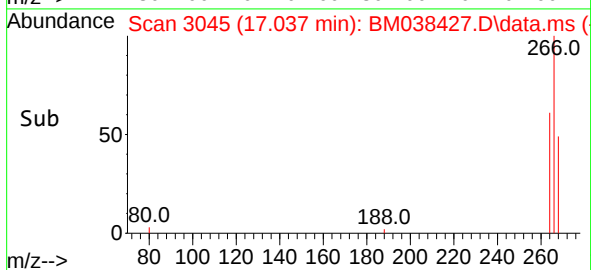
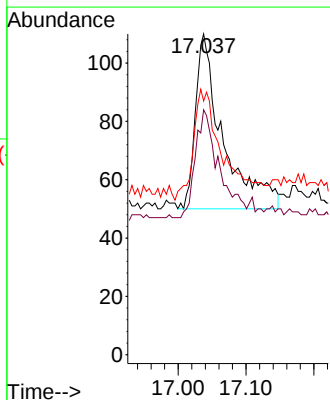
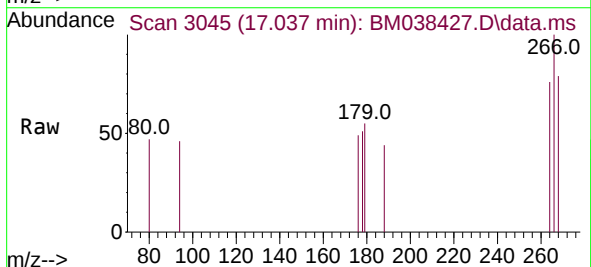
Manual Integrations
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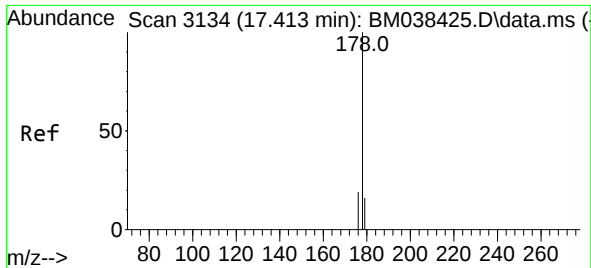
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#14
Pentachlorophenol
Concen: 0.121 ng/ul
RT: 17.037 min Scan# 3045
Delta R.T. 0.004 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

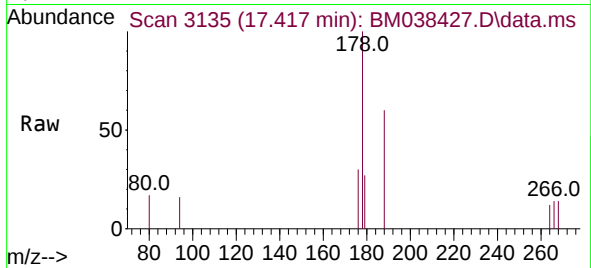
Tgt Ion:266 Resp: 168
Ion Ratio Lower Upper
266 100
264 53.0 50.0 75.0
268 68.5 48.2 72.2





#15
Phenanthrene
Concen: 0.058 ng/ul
RT: 17.417 min Scan# 3135
Delta R.T. 0.004 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

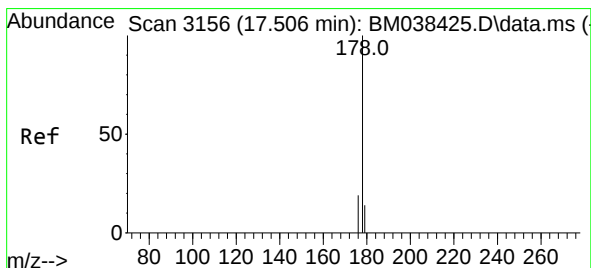
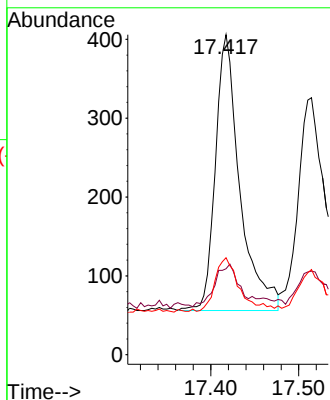
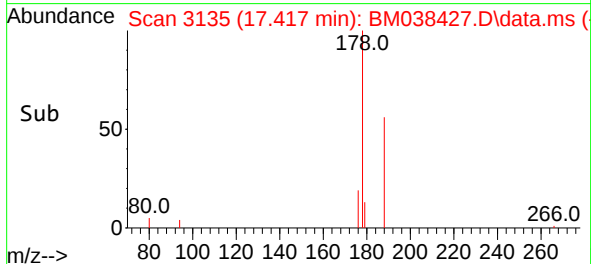
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:178 Resp: 675
Ion Ratio Lower Upper
178 100
179 26.8 13.5 20.3#
176 30.3 16.6 25.0#

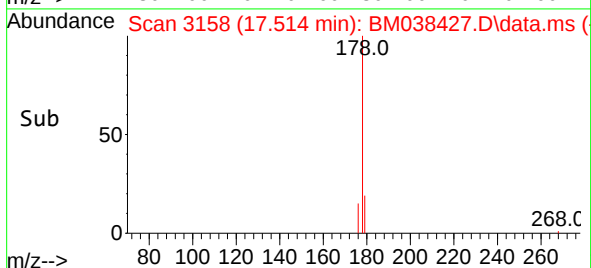
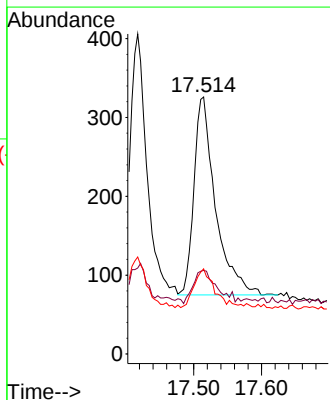
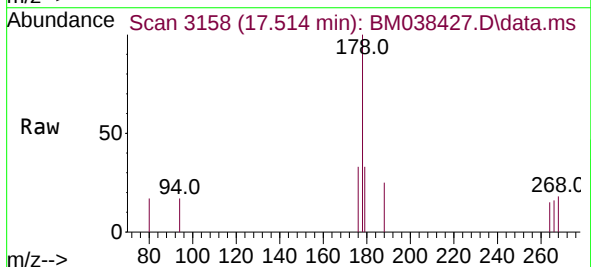
Manual Integrations
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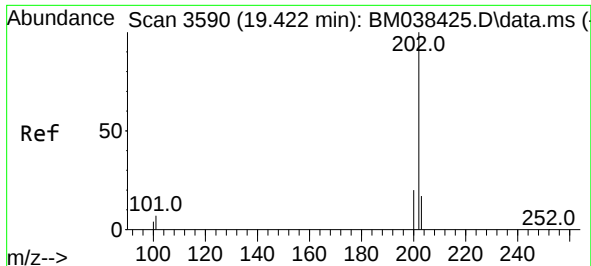
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#16
Anthracene
Concen: 0.052 ng/ul
RT: 17.514 min Scan# 3158
Delta R.T. 0.008 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

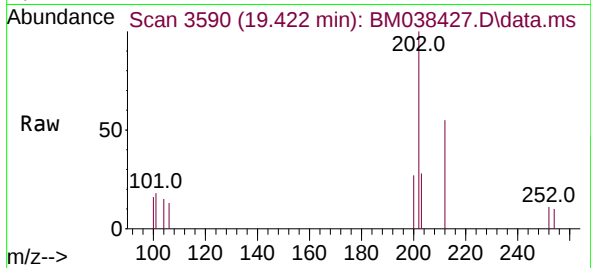
Tgt Ion:178 Resp: 552
Ion Ratio Lower Upper
178 100
179 32.5 14.2 21.2#
176 33.1 15.8 23.8#





#19
Fluoranthene
Concen: 0.058 ng/u1
RT: 19.422 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

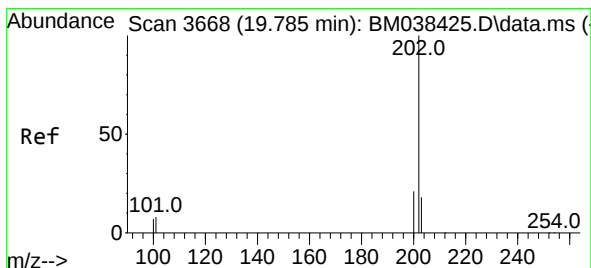
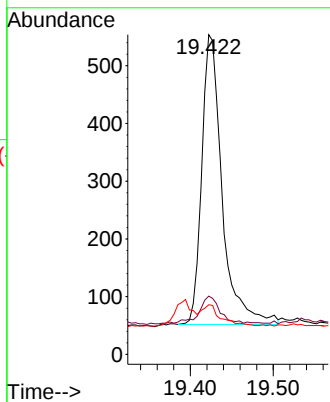
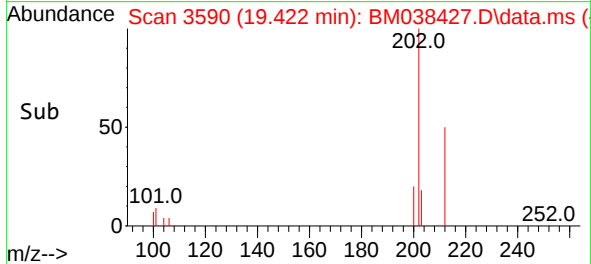
Instrument :
BNA_M
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MDL-WATER-QT3-2022-05



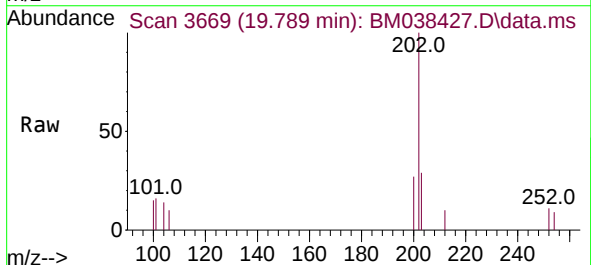
Tgt Ion:202 Resp: 855
Ion Ratio Lower Upper
202 100
101 18.2 6.6 10.0#
100 15.5 5.4 8.2#

Manual Integrations
APPROVED

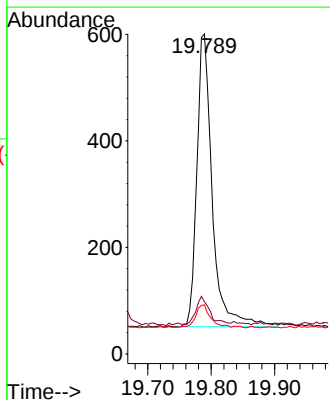
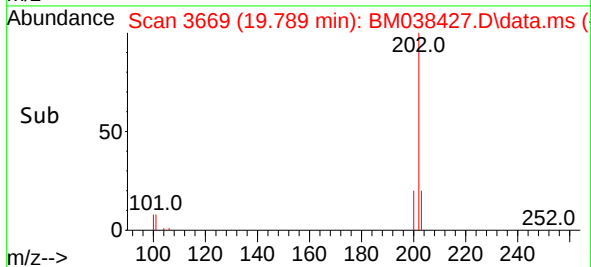
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

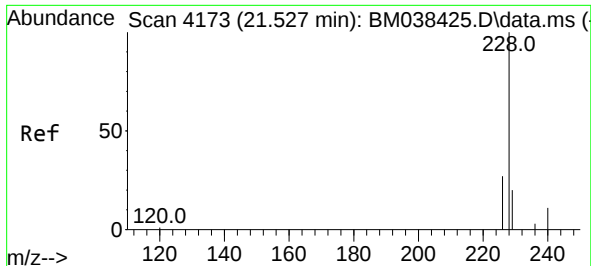


#20
Pyrene
Concen: 0.059 ng/u1
RT: 19.789 min Scan# 3669
Delta R.T. 0.005 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38



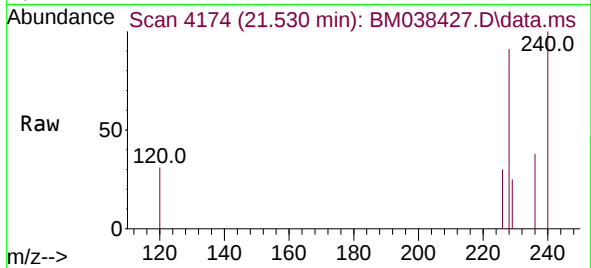
Tgt Ion:202 Resp: 928
Ion Ratio Lower Upper
202 100
101 16.3 7.8 11.6#
100 15.3 6.5 9.7#





#21
Benzo(a)anthracene
Concen: 0.058 ng/ul
RT: 21.530 min Scan# 4173
Delta R.T. 0.003 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

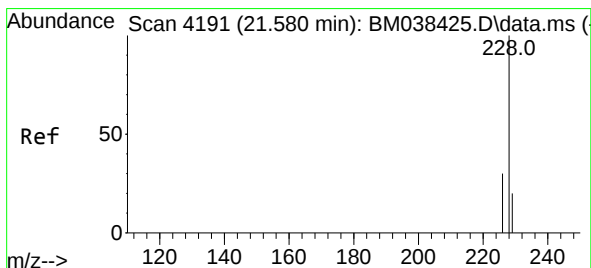
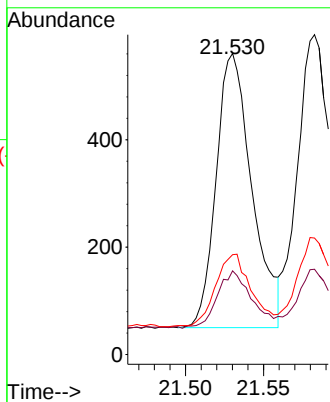
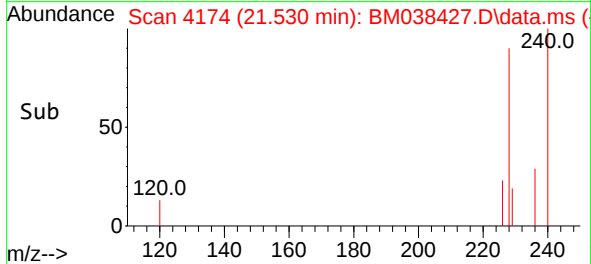
Instrument :
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ClientSampleId :
MDL-WATER-QT3-2022-05



Tgt Ion:228 Resp: 817
Ion Ratio Lower Upper
228 100
229 27.8 16.4 24.6
226 33.2 22.2 33.2

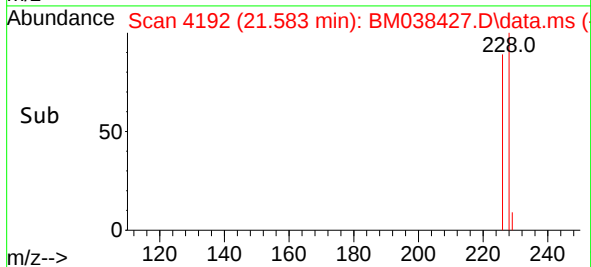
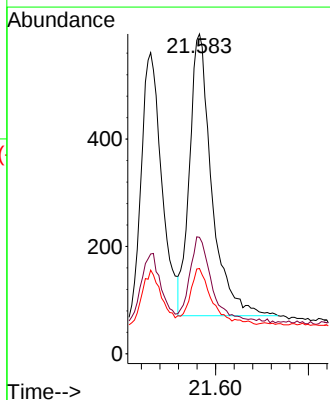
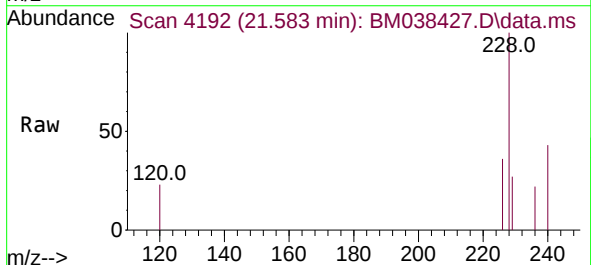
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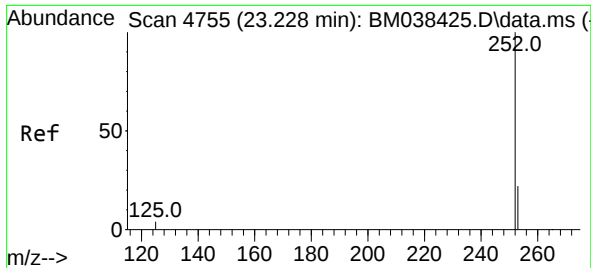
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#22
Chrysene
Concen: 0.059 ng/ul
RT: 21.583 min Scan# 4192
Delta R.T. 0.003 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

Tgt Ion:228 Resp: 877
Ion Ratio Lower Upper
228 100
226 36.4 25.3 37.9
229 26.7 16.4 24.6#





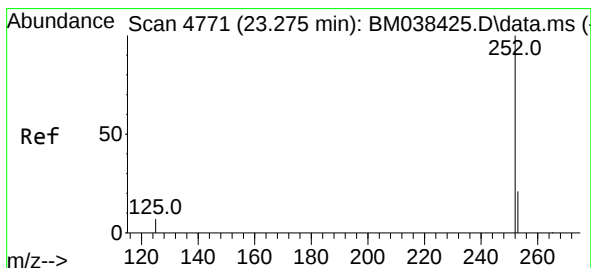
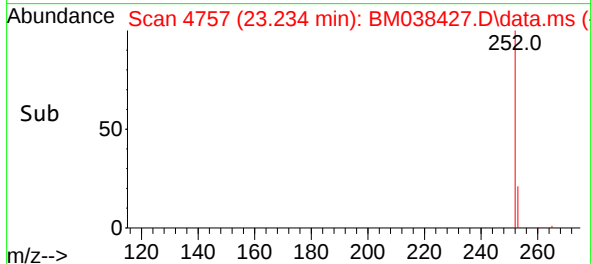
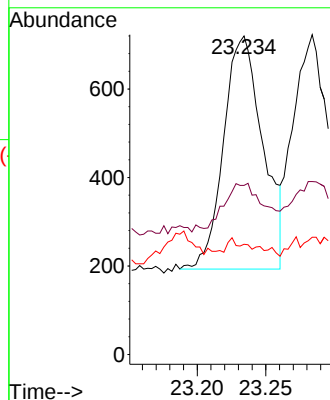
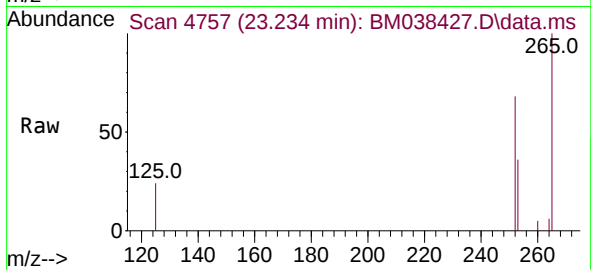
#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 23.234 min Scan# 4755
Delta R.T. 0.006 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

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

Tgt Ion:252 Resp: 1053
Ion Ratio Lower Upper
252 100
253 53.1 0.0 60.4
125 34.6 0.0 27.6

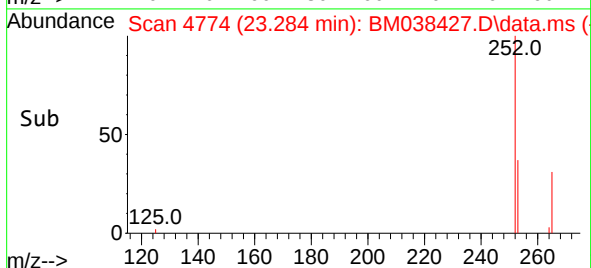
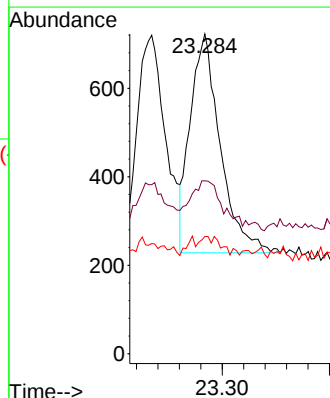
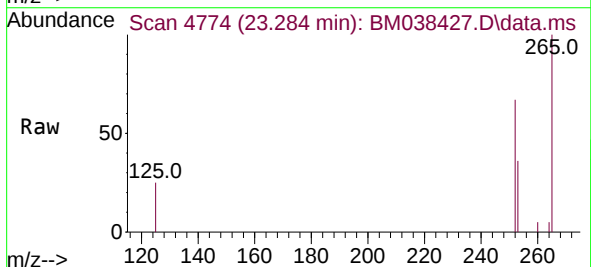
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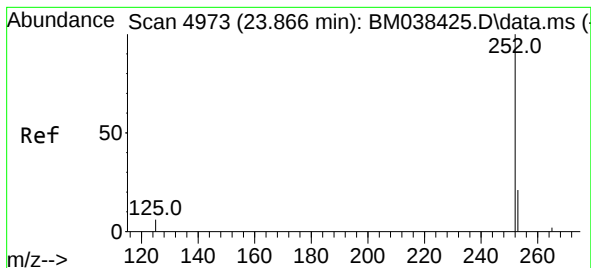
Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023



#25
Benzo(k)fluoranthene
Concen: 0.055 ng/ul
RT: 23.284 min Scan# 4774
Delta R.T. 0.009 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

Tgt Ion:252 Resp: 965
Ion Ratio Lower Upper
252 100
253 54.1 24.4 36.6#
125 36.7 10.7 16.1#





#26

Benzo(a)pyrene

Concen: 0.055 ng/ul

RT: 23.866 min Scan# 4973

Delta R.T. -0.000 min

Lab File: BM038427.D

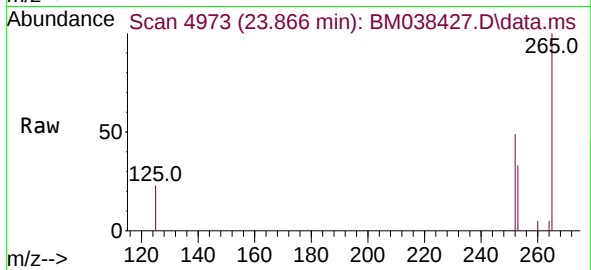
Acq: 11 Jan 2023 10:38

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-QT3-2022-05

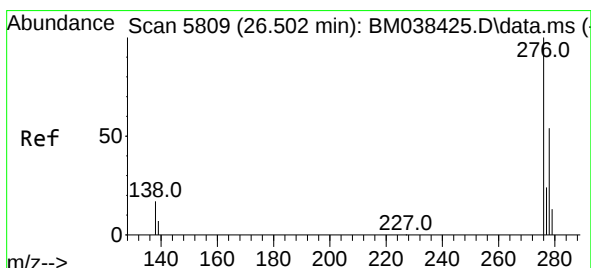
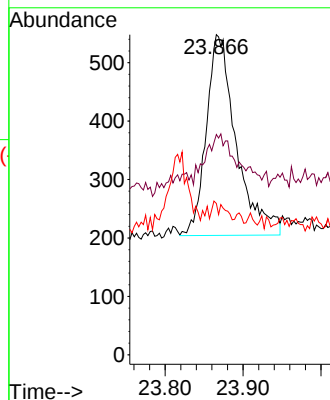
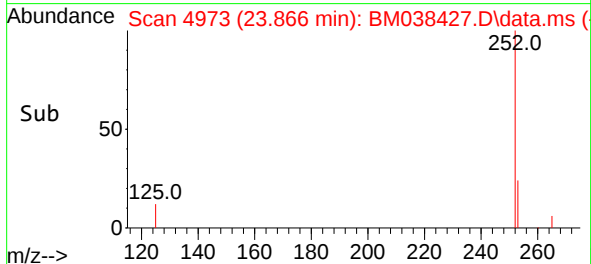


Tgt Ion	Ratio	Lower	Upper
252	100		
253	68.8	27.4	41.2
125	47.3	13.8	20.8

Manual Integrations

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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: 0.059 ng/ul

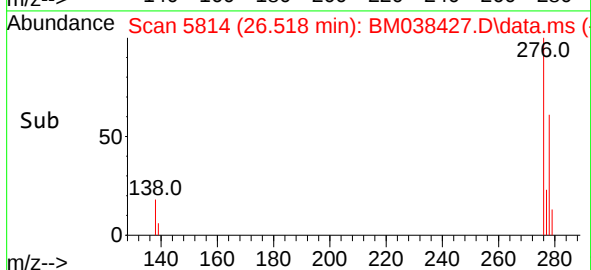
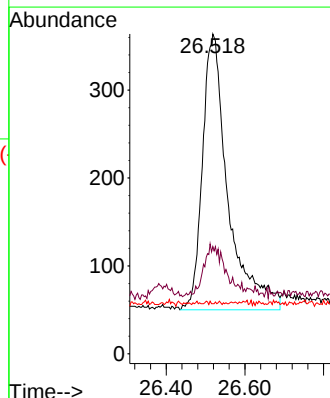
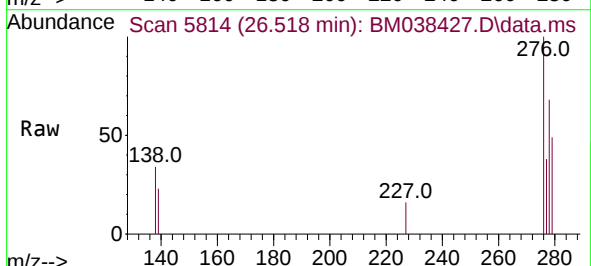
RT: 26.518 min Scan# 5814

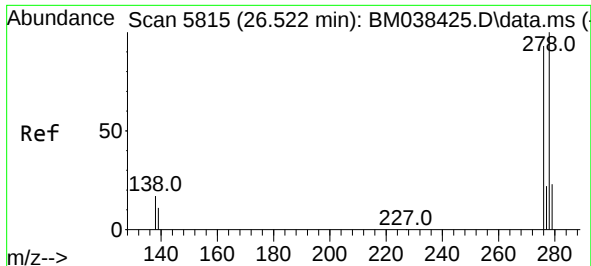
Delta R.T. 0.017 min

Lab File: BM038427.D

Acq: 11 Jan 2023 10:38

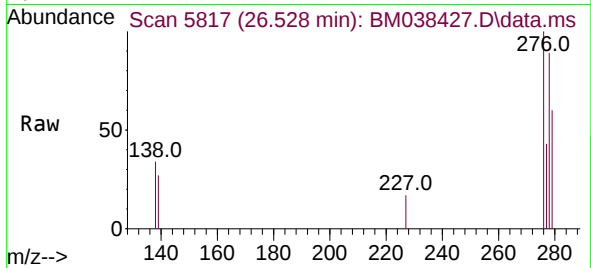
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	14.1	21.1
227	0.1	0.1	0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul
RT: 26.528 min Scan# 5815
Delta R.T. 0.007 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38

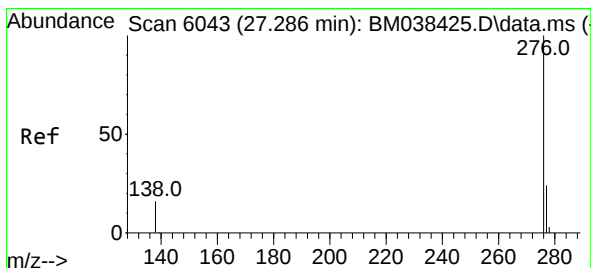
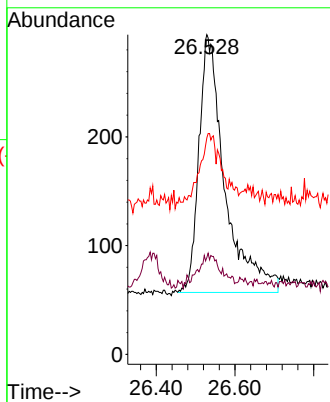
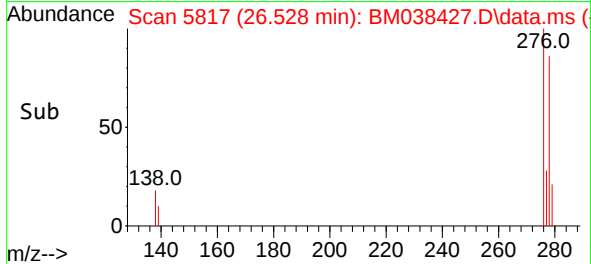
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT3-2022-05



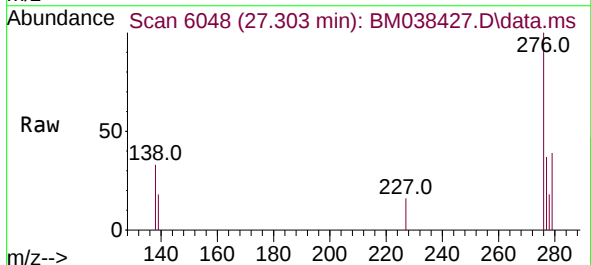
Tgt Ion:278 Resp: 1084
Ion Ratio Lower Upper
278 100
139 30.3 11.4 17.0#
279 67.7 26.4 39.6#

Manual Integrations
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: 27.303 min Scan# 6048
Delta R.T. 0.017 min
Lab File: BM038427.D
Acq: 11 Jan 2023 10:38



Tgt Ion:276 Resp: 1200
Ion Ratio Lower Upper
276 100
138 33.0 14.4 21.6#
277 37.4 20.7 31.1#

