

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120324\
 Data File : BM048820.D
 Acq On : 03 Dec 2024 15:02
 Operator : RC/JU
 Sample : P4776-01
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 15:30:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 00:22:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	3034	0.400	ng/ul	0.00
4) Naphthalene-d8	10.370	136	7681	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.238	164	4334	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.989	188	7667	0.400	ng/ul	0.00
17) Chrysene-d12	21.192	240	4588	0.400	ng/ul	0.00
23) Perylene-d12	23.367	264	5553	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.168	96	2453	0.633	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.976	152	3891	0.421	ng/ul	0.00
18) Fluoranthene-d10	19.021	212	7216m	0.510	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.206	88	367	0.080	ng/ul#	79
5) Naphthalene	10.425	128	1566	0.081	ng/ul#	81
7) 2-Methylnaphthalene	12.047	142	812	0.072	ng/ul	98
8) 1-Methylnaphthalene	12.267	142	911	0.077	ng/ul	100
10) Acenaphthylene	13.956	152	1386	0.073	ng/ul#	86
11) Acenaphthene	14.303	153	1053	0.077	ng/ul	95
12) Fluorene	15.307	166	1012	0.071	ng/ul#	95
14) Pentachlorophenol	16.702	266	61m	0.092	ng/ul	
15) Phenanthrene	17.031	178	1357	0.070	ng/ul#	82
16) Anthracene	17.133	178	987	0.057	ng/ul#	71
19) Fluoranthene	19.053	202	1796	0.085	ng/ul#	81
20) Pyrene	19.416	202	1831	0.083	ng/ul#	84
21) Benzo(a)anthracene	21.175	228	907	0.070	ng/ul#	89
22) Chrysene	21.225	228	1827	0.089	ng/ul#	91
24) Benzo(b)fluoranthene	22.724	252	1388	0.089	ng/ul#	53
25) Benzo(k)fluoranthene	22.765	252	1704m	0.078	ng/ul	
26) Benzo(a)pyrene	23.273	252	1224	0.077	ng/ul#	29
27) Indeno(1,2,3-cd)pyrene	25.541	276	1612	0.076	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.567	278	1093	0.069	ng/ul#	23
29) Benzo(g,h,i)perylene	26.198	276	1436	0.078	ng/ul#	78

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

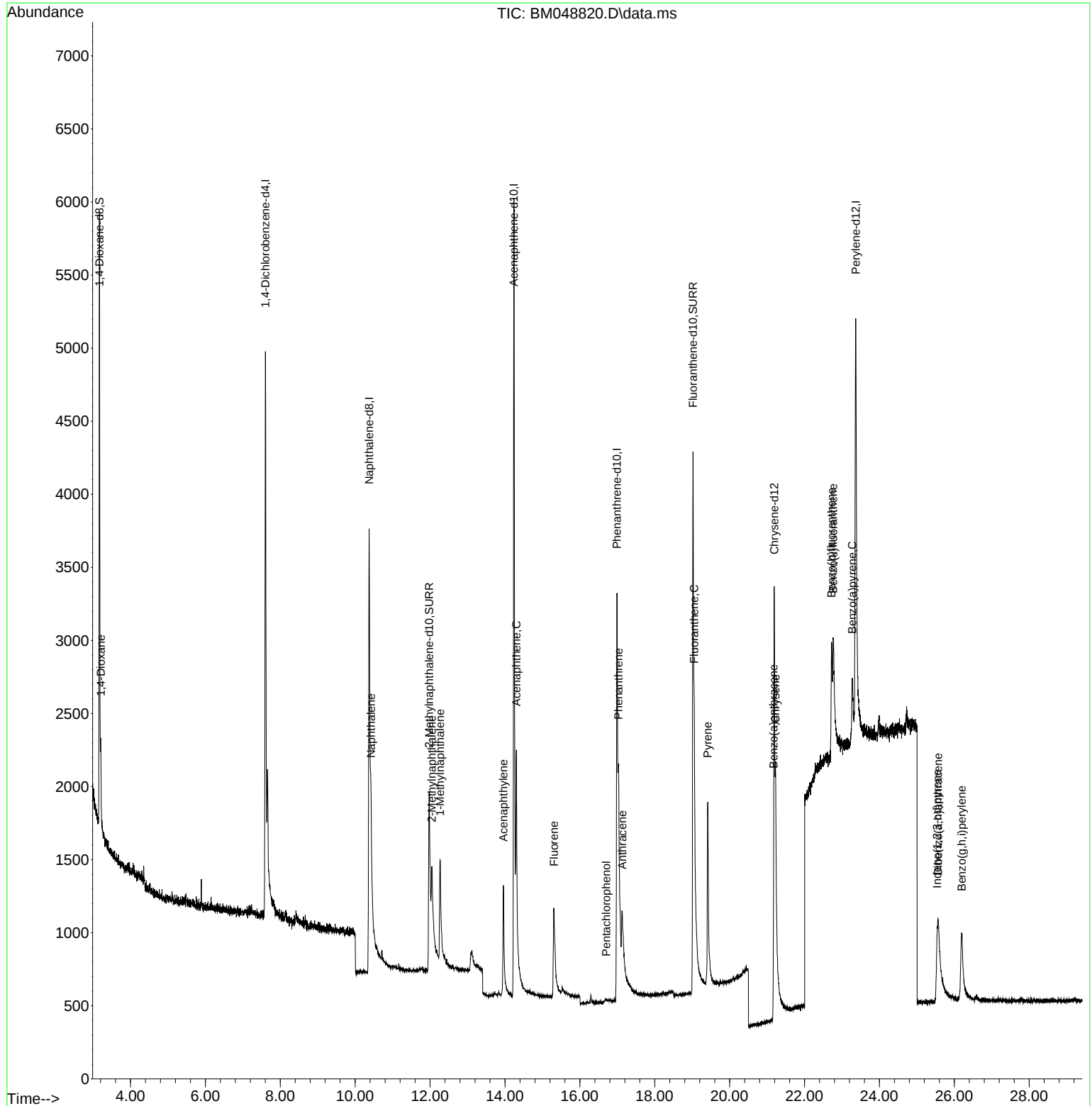
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120324\
Data File : BM048820.D
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Operator : RC/JU
Sample : P4776-01
Misc : MDL-WATER-QT4-2024
ALS Vial : 5 Sample Multiplier: 1

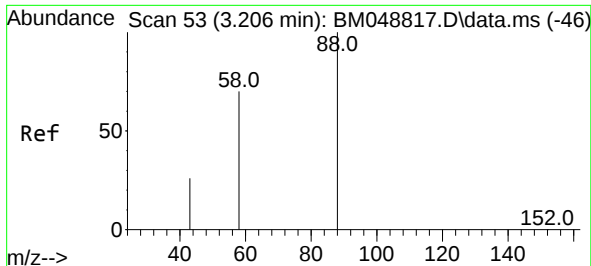
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07

Quant Time: Dec 03 15:30:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 03 00:22:16 2024
Response via : Initial Calibration

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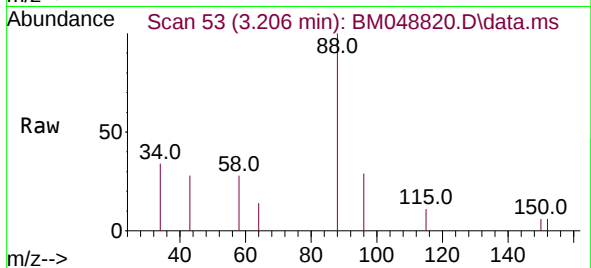
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024





#2
1,4-Dioxane
Concen: 0.080 ng/ul
RT: 3.206 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

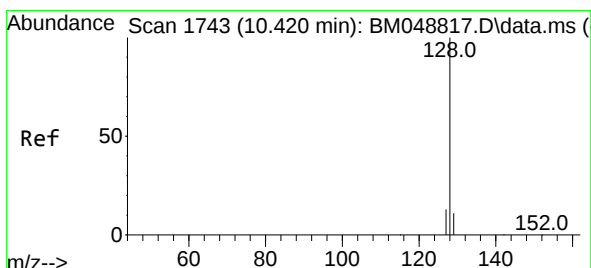
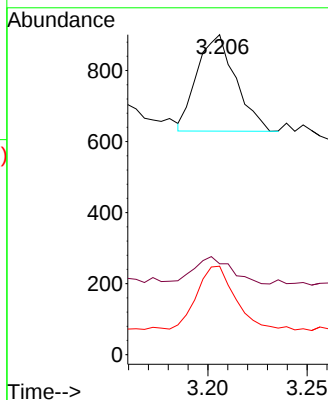
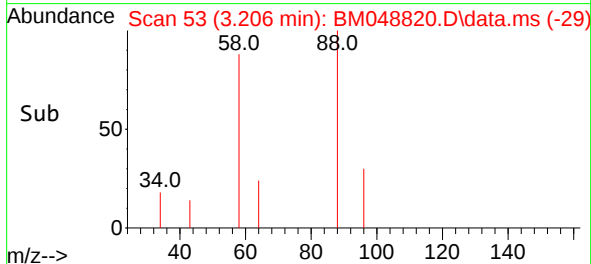
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion: 88 Resp: 361
Ion Ratio Lower Upper
88 100
43 28.4 20.6 30.8
58 27.6 37.6 56.4

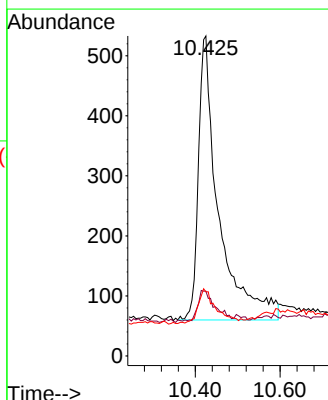
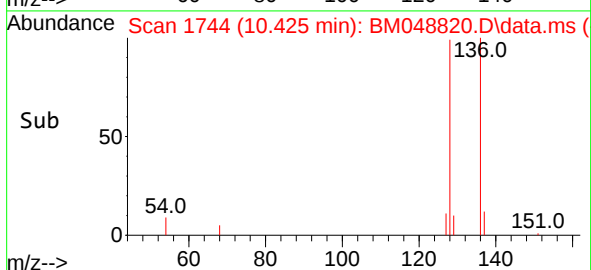
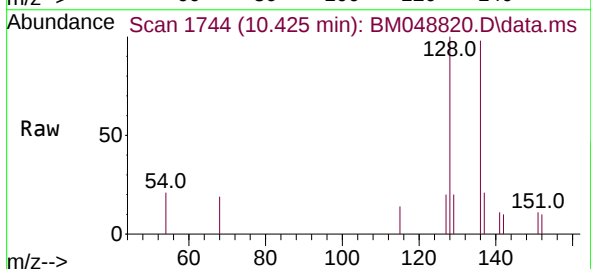
Manual Integrations
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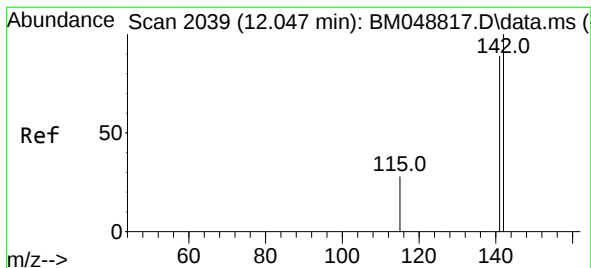
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#5
Naphthalene
Concen: 0.081 ng/ul
RT: 10.425 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

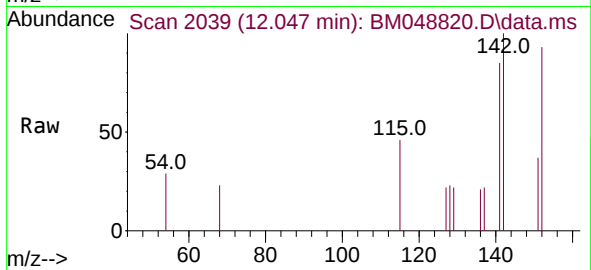
Tgt Ion:128 Resp: 1566
Ion Ratio Lower Upper
128 100
129 20.3 9.6 14.4#
127 20.1 10.7 16.1#





#7
2-Methylnaphthalene
Concen: 0.072 ng/ul
RT: 12.047 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

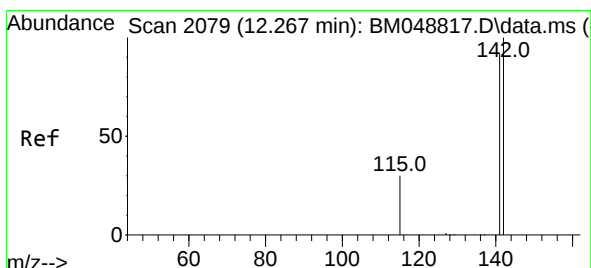
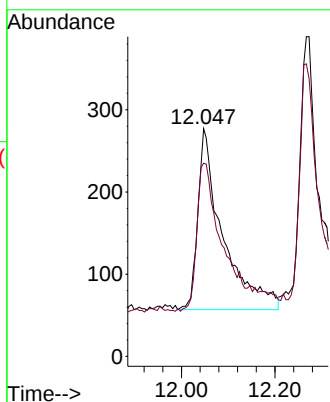
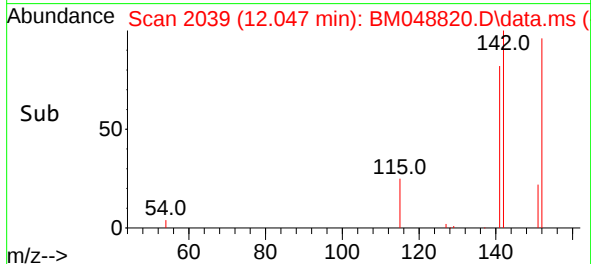
Instrument : BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



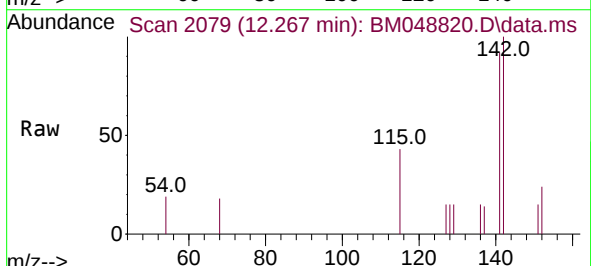
Tgt Ion:142 Resp: 812
Ion Ratio Lower Upper
142 100
141 92.9 73.0 109.6

Manual Integrations
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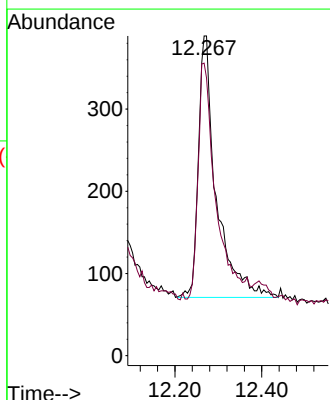
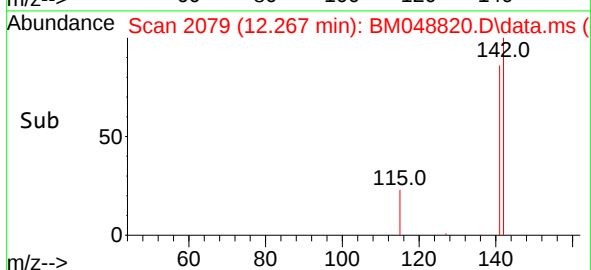
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

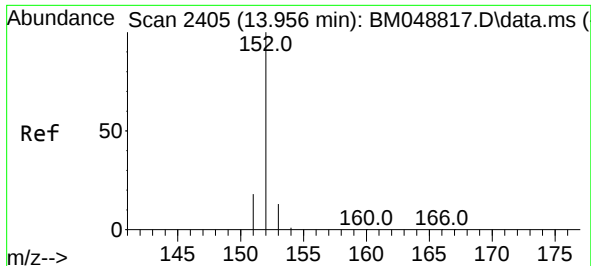


#8
1-Methylnaphthalene
Concen: 0.077 ng/ul
RT: 12.267 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02



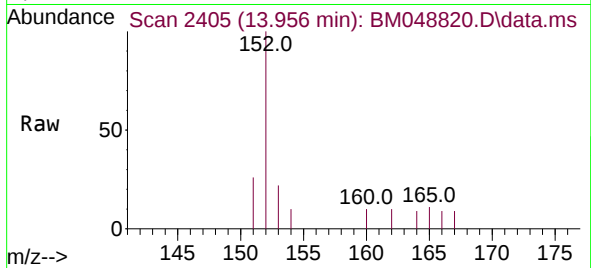
Tgt Ion:142 Resp: 911
Ion Ratio Lower Upper
142 100
141 90.3 72.5 108.7





#10
Acenaphthylene
Concen: 0.073 ng/u1
RT: 13.956 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

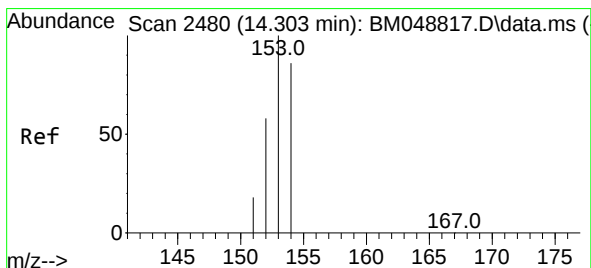
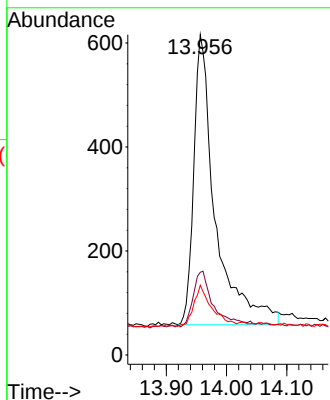
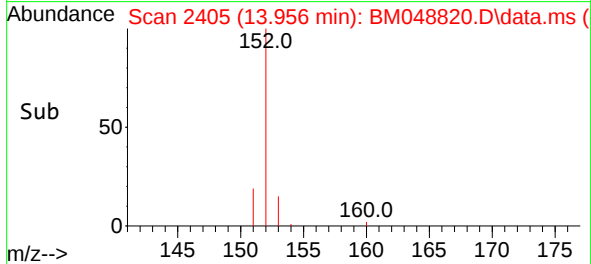
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:152 Resp: 1380
Ion Ratio Lower Upper
152 100
151 25.8 16.3 24.5
153 21.8 11.7 17.5

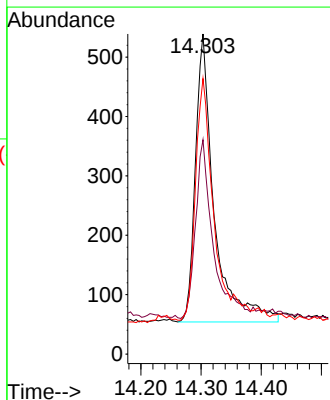
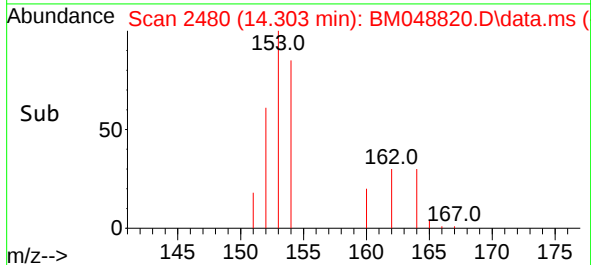
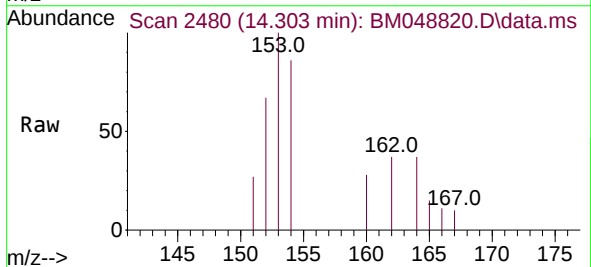
Manual Integrations
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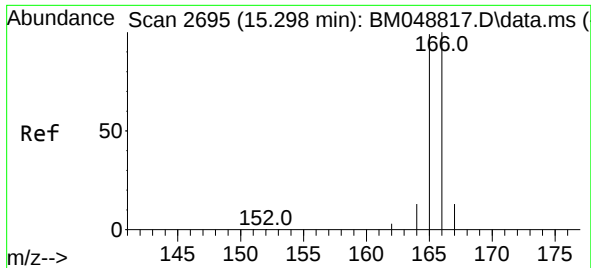
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#11
Acenaphthene
Concen: 0.077 ng/u1
RT: 14.303 min Scan# 2480
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

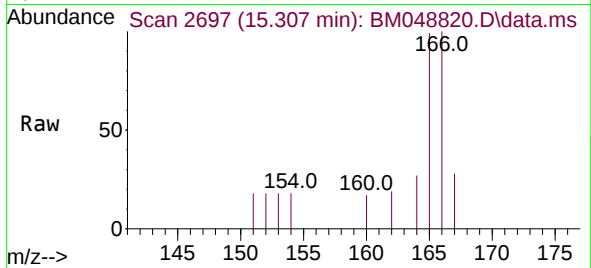
Tgt Ion:153 Resp: 1053
Ion Ratio Lower Upper
153 100
152 67.0 46.5 69.7
154 86.1 68.7 103.1





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.307 min Scan# 2013
Delta R.T. 0.009 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

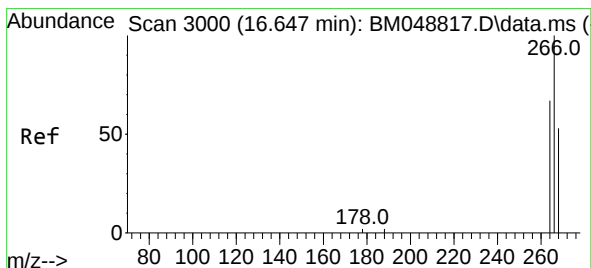
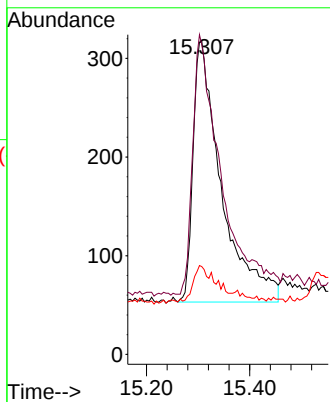
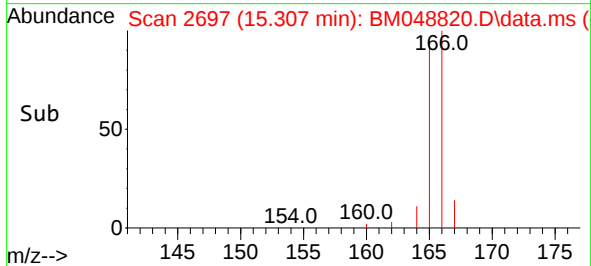
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



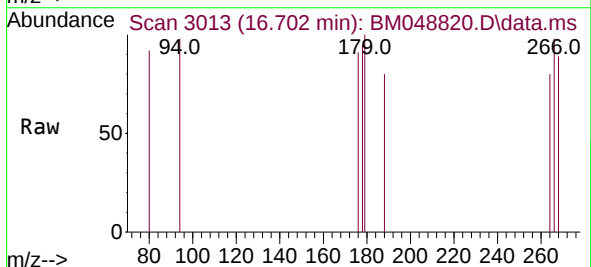
Tgt Ion:166 Resp: 101
Ion Ratio Lower Upper
166 100
165 98.7 79.8 119.6
167 28.0 12.2 18.2

Manual Integrations
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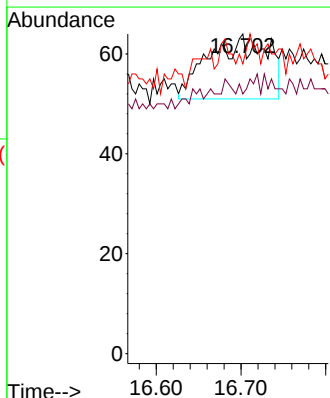
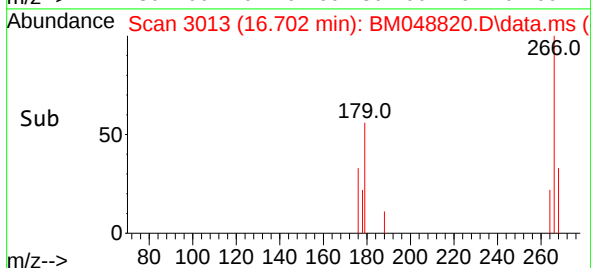
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

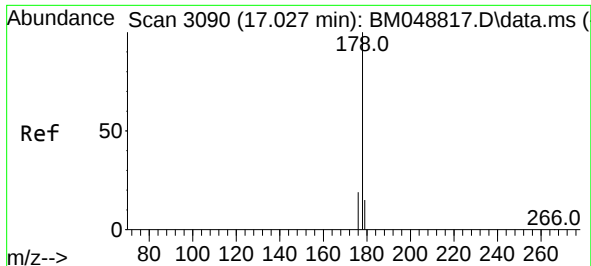


#14
Pentachlorophenol
Concen: 0.092 ng/ul m
RT: 16.702 min Scan# 3013
Delta R.T. 0.047 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02



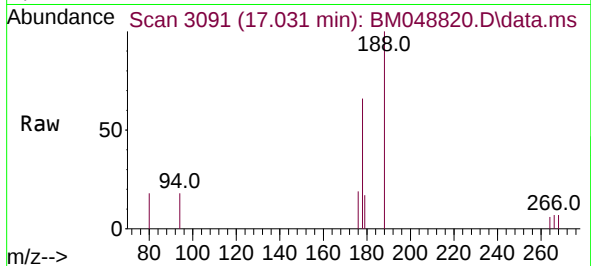
Tgt Ion:266 Resp: 61
Ion Ratio Lower Upper
266 100
264 4.9 15.3 22.9#
268 11.5 0.0 0.0#





#15
Phenanthrene
Concen: 0.070 ng/u1
RT: 17.031 min Scan# 3091
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

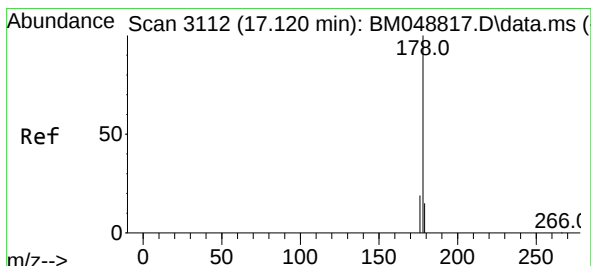
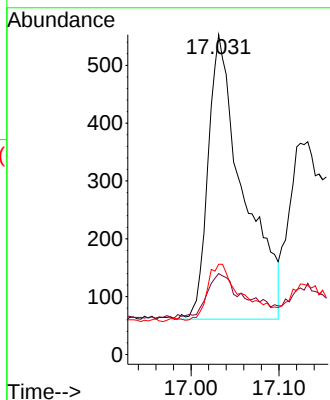
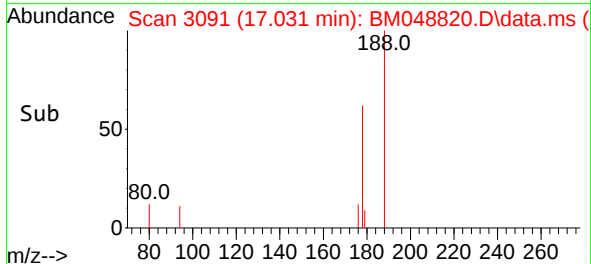
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:178 Resp: 135
Ion Ratio Lower Upper
178 100
179 25.3 13.4 20.0#
176 28.2 16.2 24.4#

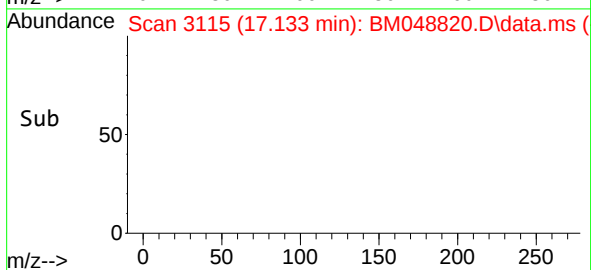
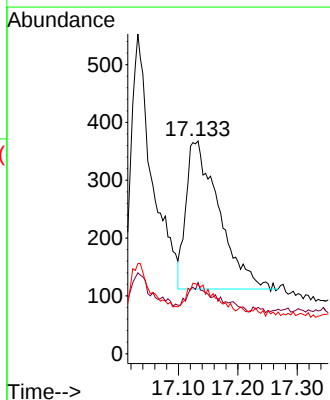
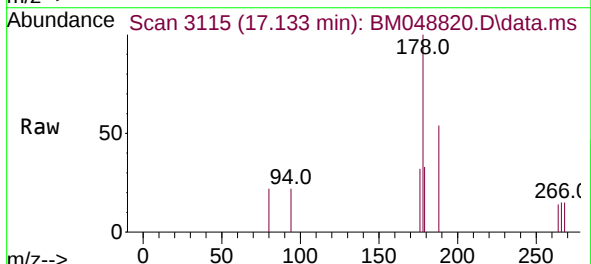
Manual Integrations
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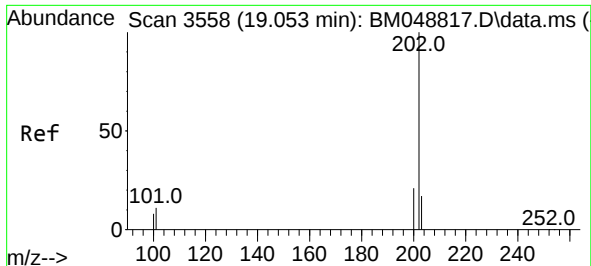
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#16
Anthracene
Concen: 0.057 ng/u1
RT: 17.133 min Scan# 3115
Delta R.T. 0.009 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

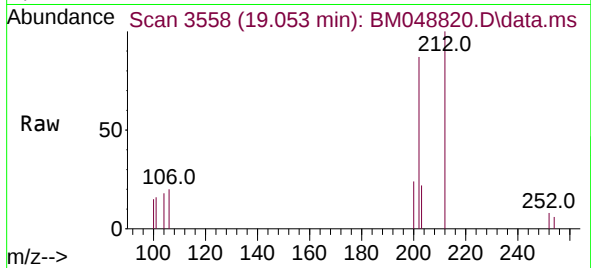
Tgt Ion:178 Resp: 987
Ion Ratio Lower Upper
178 100
179 33.4 14.0 21.0#
176 32.3 17.0 25.4#





#19
Fluoranthene
Concen: 0.085 ng/u1
RT: 19.053 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

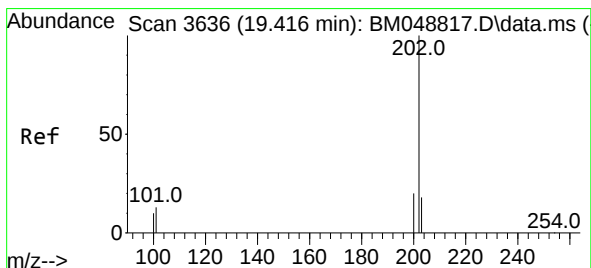
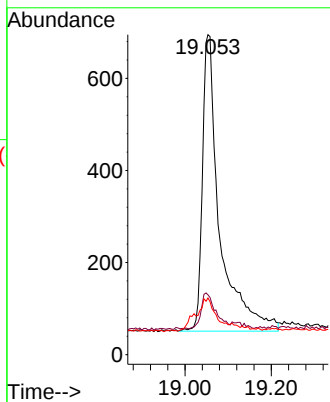
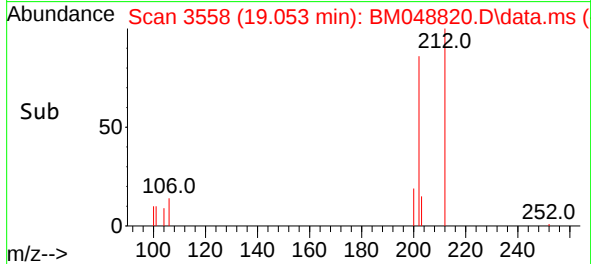
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:202 Resp: 1790
Ion Ratio Lower Upper
202 100
101 18.7 9.7 14.5#
100 17.7 7.5 11.3#

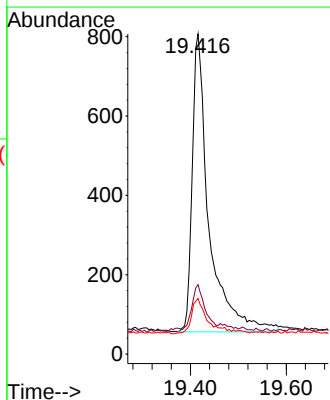
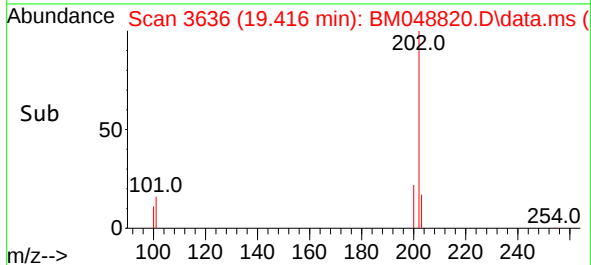
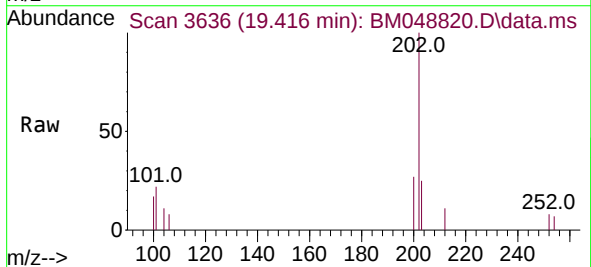
Manual Integrations
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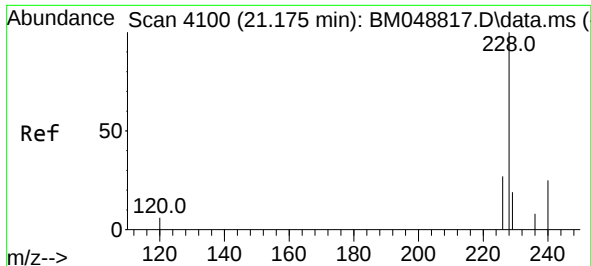
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#20
Pyrene
Concen: 0.083 ng/u1
RT: 19.416 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

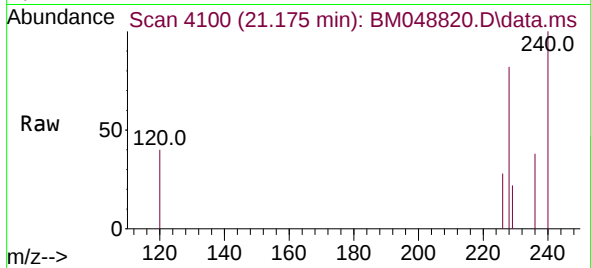
Tgt Ion:202 Resp: 1831
Ion Ratio Lower Upper
202 100
101 21.7 11.6 17.4#
100 17.3 9.4 14.0#





#21
Benzo(a)anthracene
Concen: 0.070 ng/u1
RT: 21.175 min Scan# 4100
Delta R.T. 0.003 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

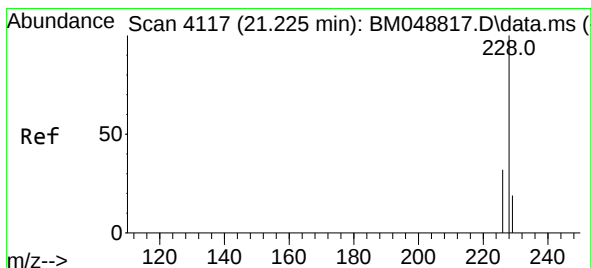
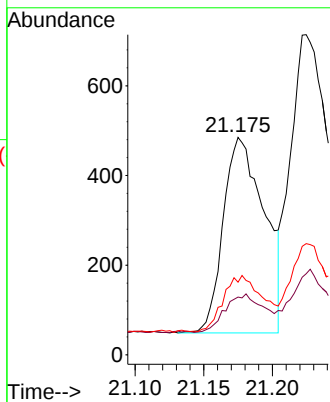
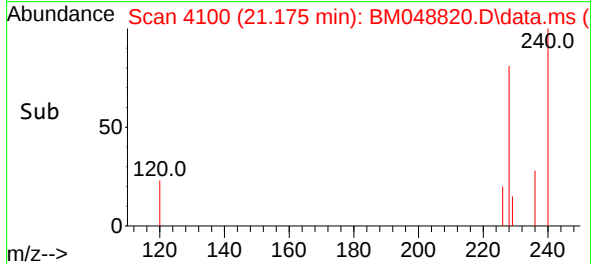
Instrument :
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MDL-WATER-QT4-2024-07



Tgt Ion:228 Resp: 907
Ion Ratio Lower Upper
228 100
229 26.6 17.0 25.6
226 33.4 22.5 33.7

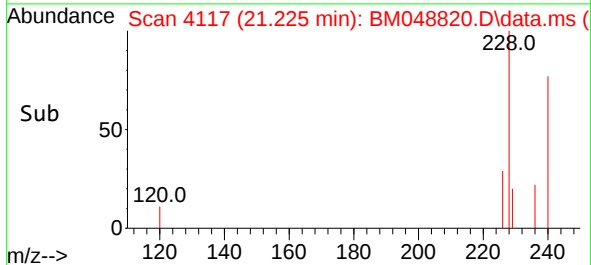
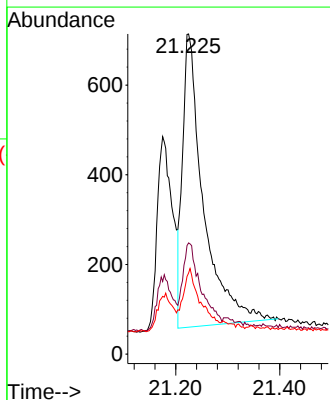
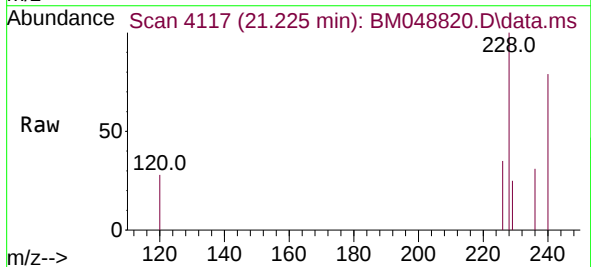
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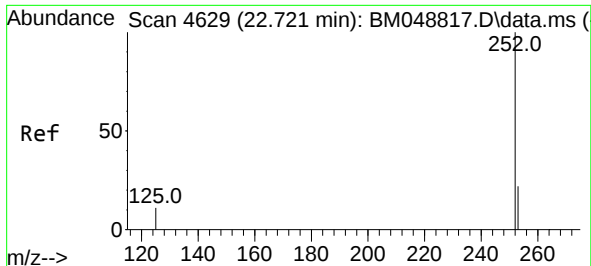
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#22
Chrysene
Concen: 0.089 ng/u1
RT: 21.225 min Scan# 4117
Delta R.T. 0.003 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

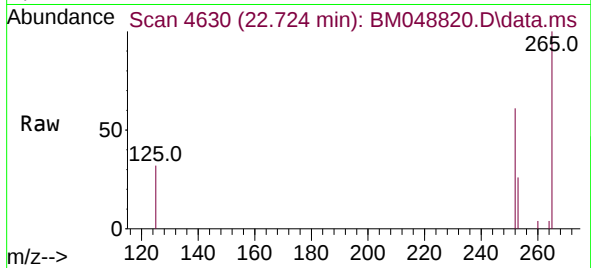
Tgt Ion:228 Resp: 1827
Ion Ratio Lower Upper
228 100
226 34.7 24.6 37.0
229 25.4 16.1 24.1#





#24
Benzo(b)fluoranthene
Concen: 0.089 ng/ul
RT: 22.724 min Scan# 4630
Delta R.T. 0.003 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

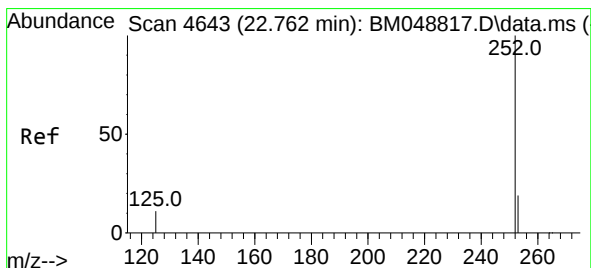
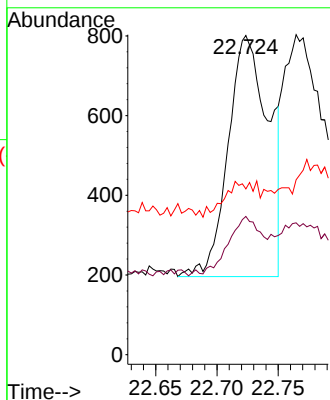
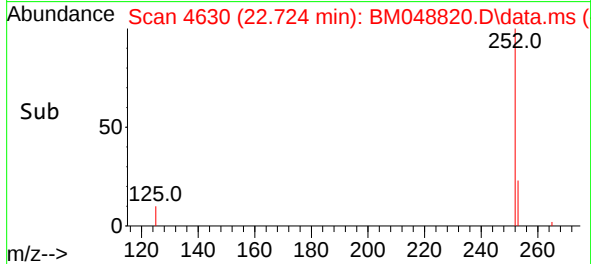
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



Tgt Ion:252 Resp: 1388
Ion Ratio Lower Upper
252 100
253 43.3 0.0 54.2
125 51.9 0.0 41.4

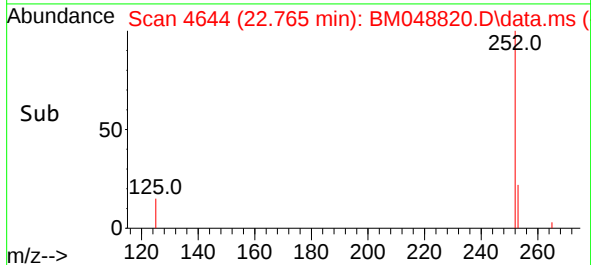
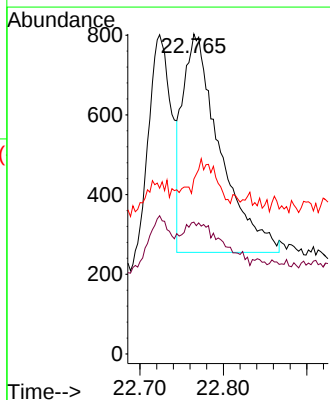
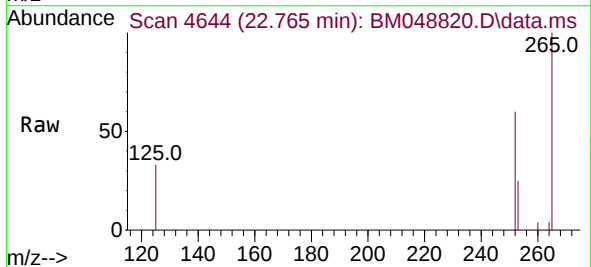
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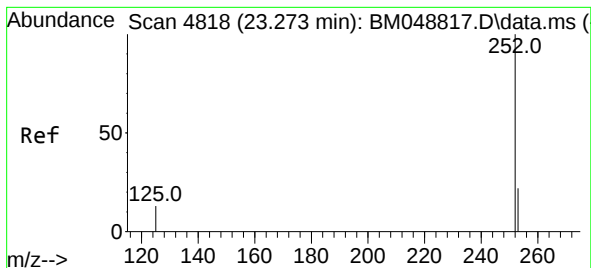
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#25
Benzo(k)fluoranthene
Concen: 0.078 ng/ul m
RT: 22.765 min Scan# 4644
Delta R.T. 0.000 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

Tgt Ion:252 Resp: 1704
Ion Ratio Lower Upper
252 100
253 41.2 20.8 31.2#
125 54.7 16.2 24.4#





#26

Benzo(a)pyrene

Concen: 0.077 ng/ul

RT: 23.273 min Scan# 4818

Delta R.T. 0.000 min

Lab File: BM048820.D

Acq: 03 Dec 2024 15:02

Instrument :

BNM

ClientSampleId :

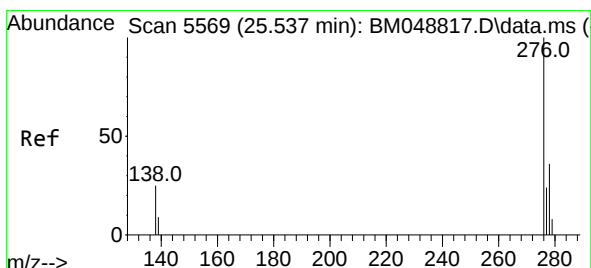
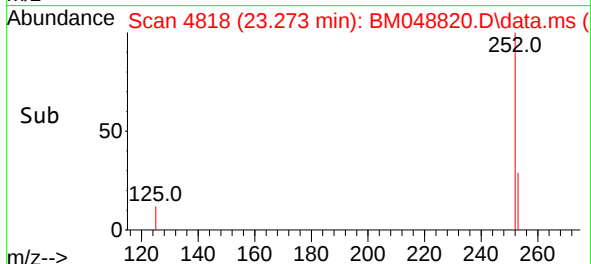
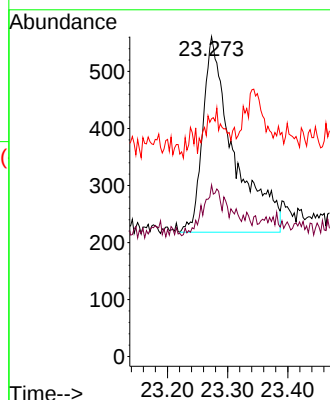
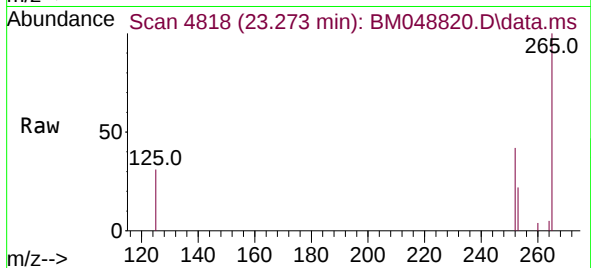
MDL-WATER-QT4-2024-07

Tgt Ion:	252	Resp:	1224
Ion Ratio	Lower	Upper	
252	100		
253	53.7	22.5	33.7
125	74.3	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.076 ng/ul

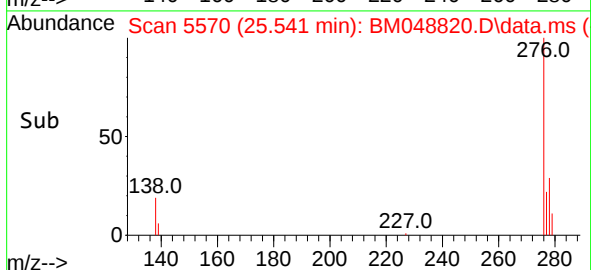
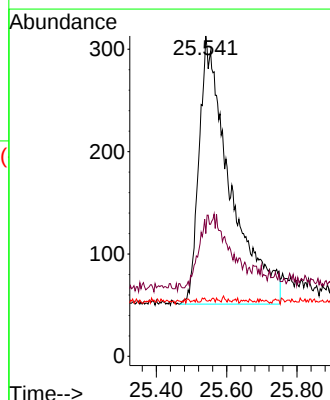
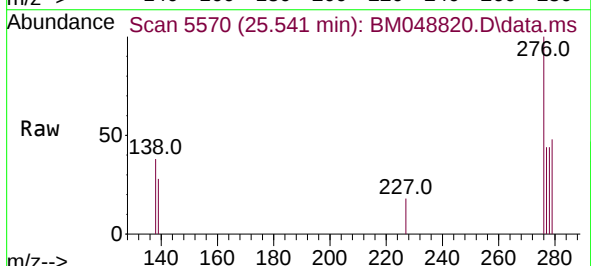
RT: 25.541 min Scan# 5570

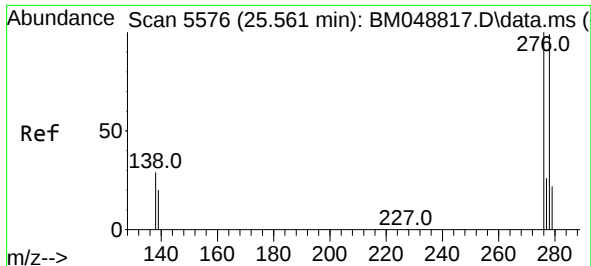
Delta R.T. -0.007 min

Lab File: BM048820.D

Acq: 03 Dec 2024 15:02

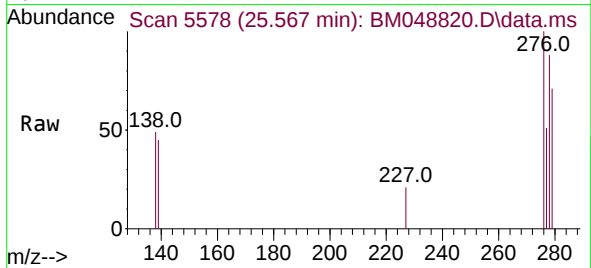
Tgt Ion:	276	Resp:	1612
Ion Ratio	Lower	Upper	
276	100		
138	0.0	23.3	34.9
227	0.2	0.1	0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.567 min Scan# 51
Delta R.T. 0.003 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02

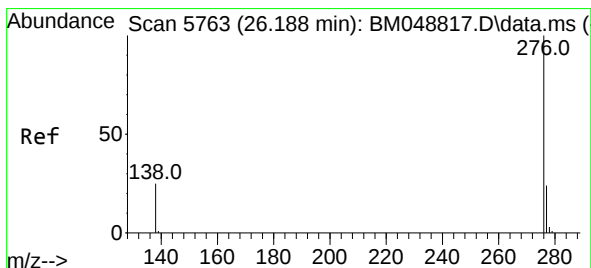
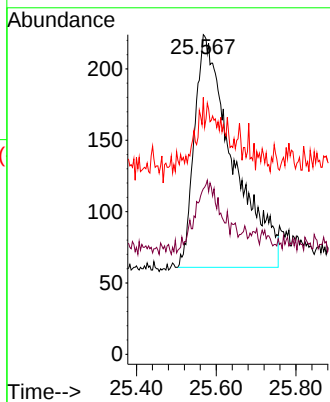
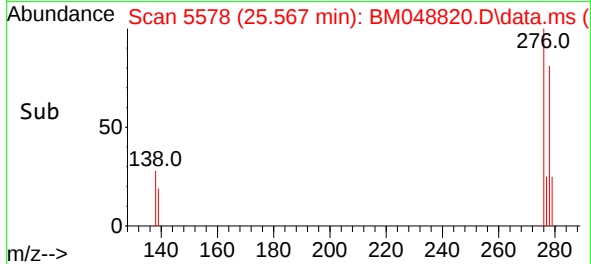
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT4-2024-07



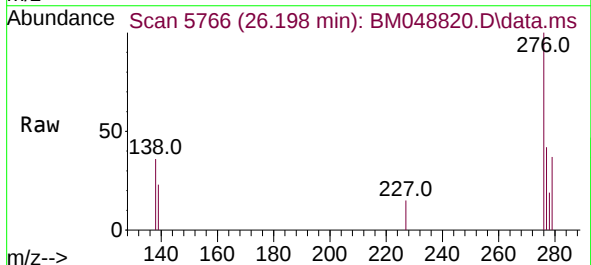
Tgt Ion:278 Resp: 109
Ion Ratio Lower Upper
278 100
139 51.8 18.6 27.8
279 80.4 24.7 37.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#29
Benzo(g,h,i)perylene
Concen: 0.078 ng/ul
RT: 26.198 min Scan# 5766
Delta R.T. 0.003 min
Lab File: BM048820.D
Acq: 03 Dec 2024 15:02



Tgt Ion:276 Resp: 1436
Ion Ratio Lower Upper
276 100
138 36.4 22.2 33.2#
277 41.7 21.8 32.6#

