

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120324\
 Data File : BM048821.D
 Acq On : 03 Dec 2024 15:37
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 16:07:08 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	7.602	152	3295	0.400	ng/ul	0.00
4) Naphthalene-d8	10.374	136	8566	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.237	164	5005	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.988	188	8550	0.400	ng/ul	0.00
17) Chrysene-d12	21.187	240	4743	0.400	ng/ul	0.00
23) Perylene-d12	23.364	264	5880	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.172	96	2746	0.652	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.980	152	4326	0.420	ng/ul	0.00
18) Fluoranthene-d10	19.019	212	7630m	0.521	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.206	88	337m	0.068	ng/ul	
5) Naphthalene	10.424	128	1647	0.076	ng/ul#	78
7) 2-Methylnaphthalene	12.046	142	915	0.073	ng/ul	96
8) 1-Methylnaphthalene	12.266	142	982	0.074	ng/ul	98
10) Acenaphthylene	13.959	152	1577	0.072	ng/ul#	90
11) Acenaphthene	14.302	153	1211	0.076	ng/ul	92
12) Fluorene	15.310	166	1164	0.071	ng/ul#	95
14) Pentachlorophenol	16.688	266	55m	0.074	ng/ul	
15) Phenanthrene	17.030	178	1491	0.069	ng/ul#	83
16) Anthracene	17.127	178	1252	0.065	ng/ul#	75
19) Fluoranthene	19.052	202	1901	0.087	ng/ul#	83
20) Pyrene	19.414	202	1947	0.086	ng/ul#	89
21) Benzo(a)anthracene	21.172	228	879	0.066	ng/ul#	88
22) Chrysene	21.222	228	1841	0.087	ng/ul#	87
24) Benzo(b)fluoranthene	22.715	252	1203	0.073	ng/ul#	49
25) Benzo(k)fluoranthene	22.765	252	1884	0.081	ng/ul#	41
26) Benzo(a)pyrene	23.271	252	1039	0.061	ng/ul#	29
27) Indeno(1,2,3-cd)pyrene	25.541	276	1627	0.073	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.568	278	1151	0.069	ng/ul#	22
29) Benzo(g,h,i)perylene	26.182	276	1479	0.076	ng/ul#	74

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

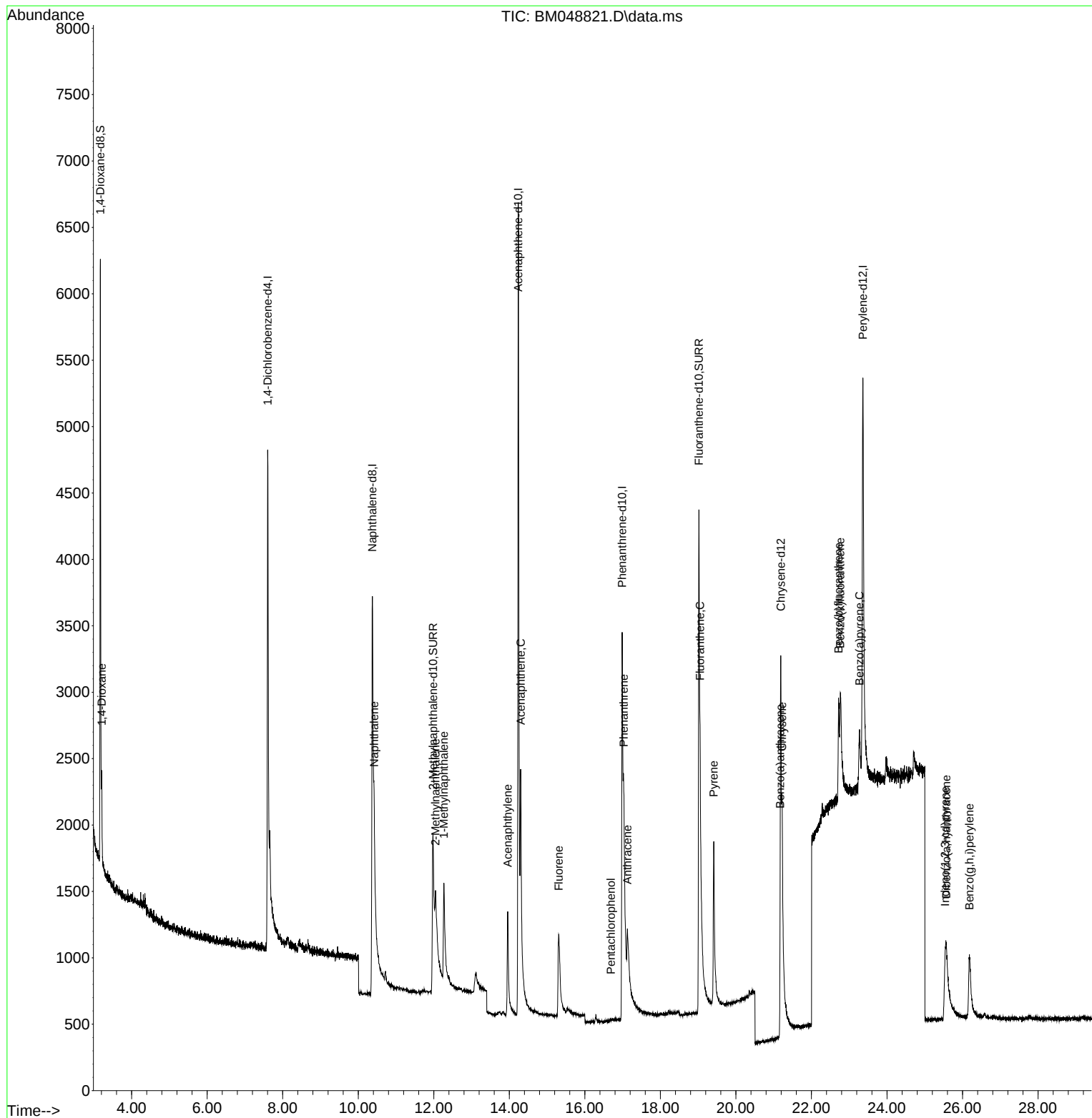
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120324\
Data File : BM048821.D
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Sample : P4776-03
Misc : MDL-SOIL-QT4-2024
ALS Vial : 6 Sample Multiplier: 1

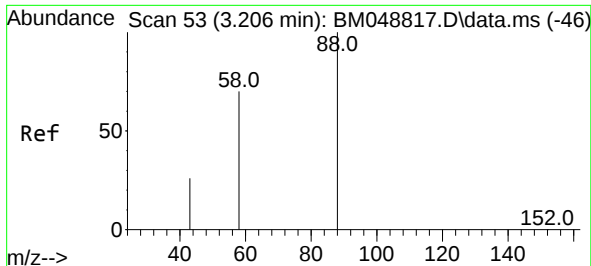
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07

Quant Time: Dec 03 16:07:08 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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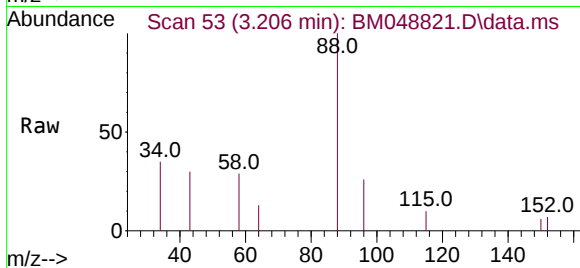
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024





#2
1,4-Dioxane
Concen: 0.068 ng/ul m
RT: 3.206 min Scan# 53
Delta R.T. 0.000 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

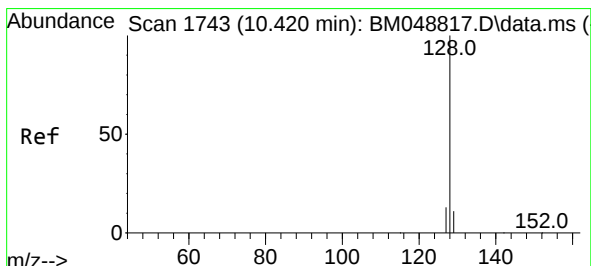
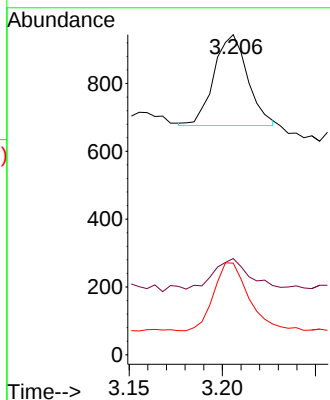
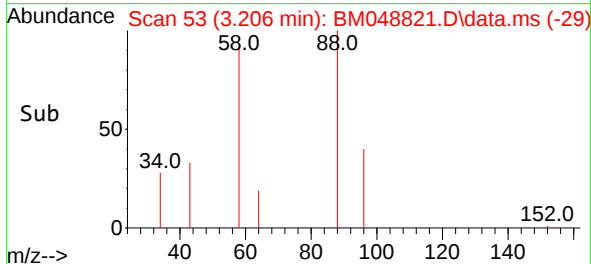
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



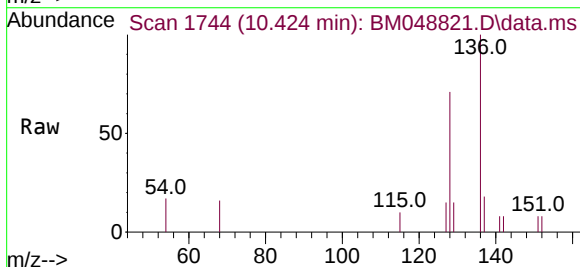
Tgt Ion: 88 Resp: 337
Ion Ratio Lower Upper
88 100
43 30.1 20.6 30.8
58 28.6 37.6 56.4

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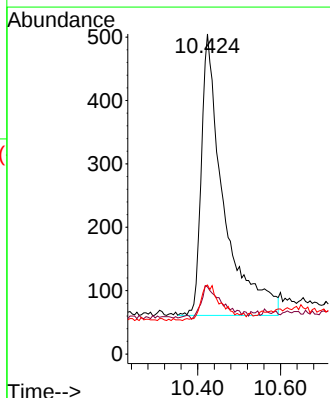
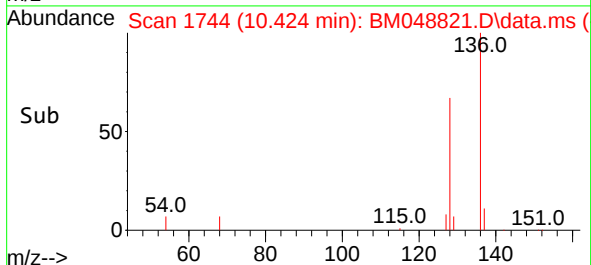
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

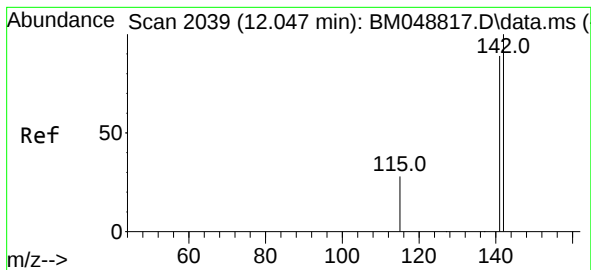


#5
Naphthalene
Concen: 0.076 ng/ul
RT: 10.424 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37



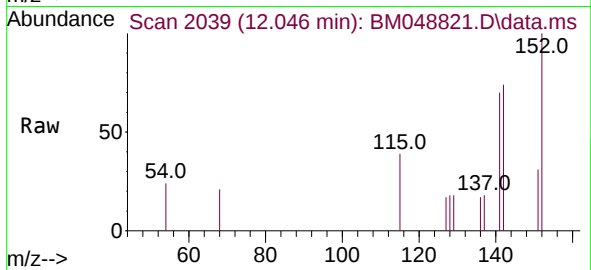
Tgt Ion:128 Resp: 1647
Ion Ratio Lower Upper
128 100
129 21.0 9.6 14.4#
127 21.6 10.7 16.1#





#7
2-Methylnaphthalene
Concen: 0.073 ng/ul
RT: 12.046 min Scan# 2039
Delta R.T. -0.007 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

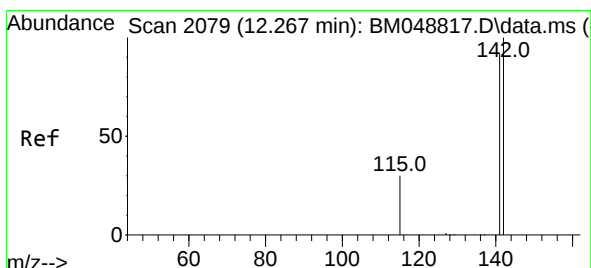
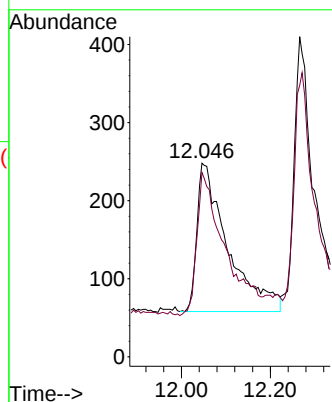
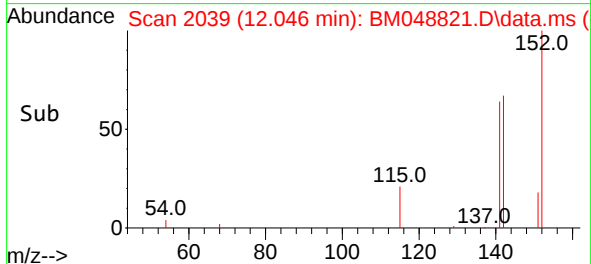
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:142 Resp: 915
Ion Ratio Lower Upper
142 100
141 95.3 73.0 109.6

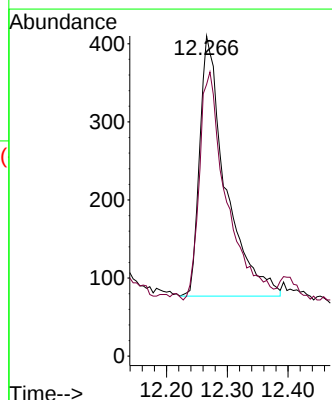
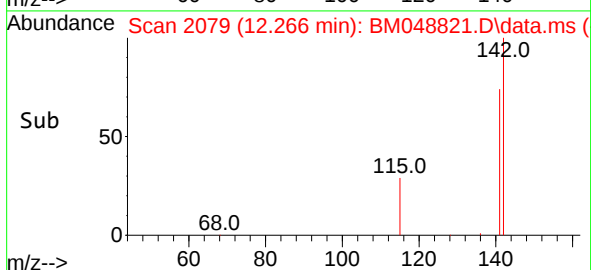
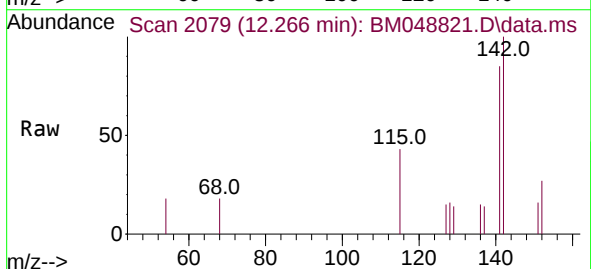
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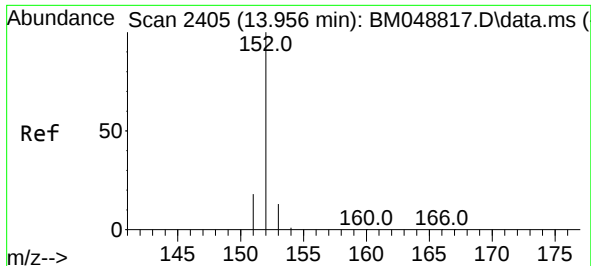
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#8
1-Methylnaphthalene
Concen: 0.074 ng/ul
RT: 12.266 min Scan# 2079
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

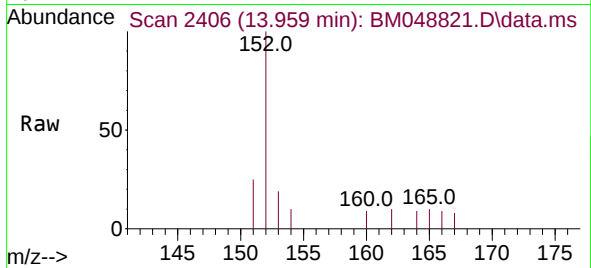
Tgt Ion:142 Resp: 982
Ion Ratio Lower Upper
142 100
141 92.4 72.5 108.7





#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 13.959 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

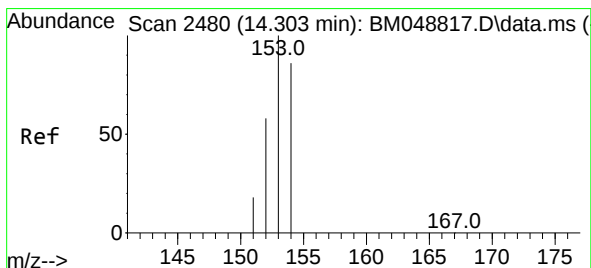
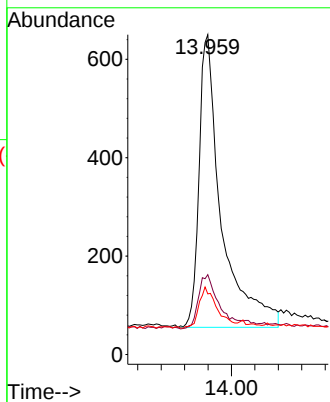
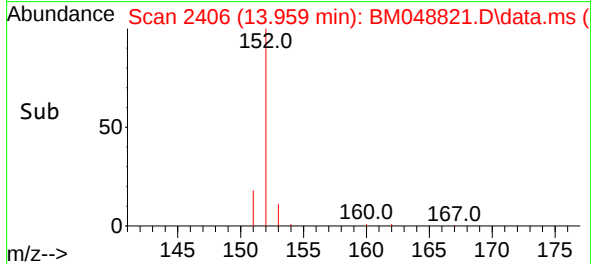
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:152 Resp: 157
Ion Ratio Lower Upper
152 100
151 24.9 16.3 24.5
153 18.9 11.7 17.5

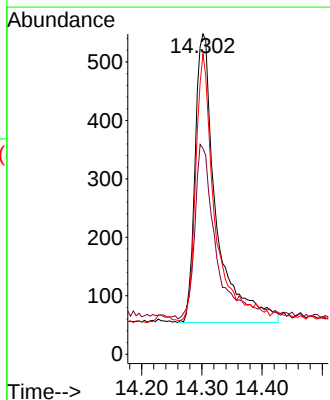
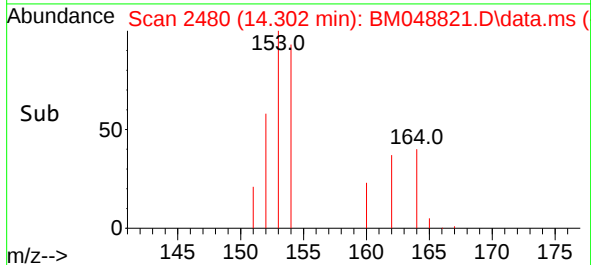
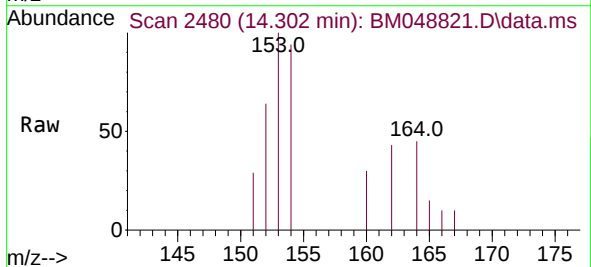
Manual Integrations
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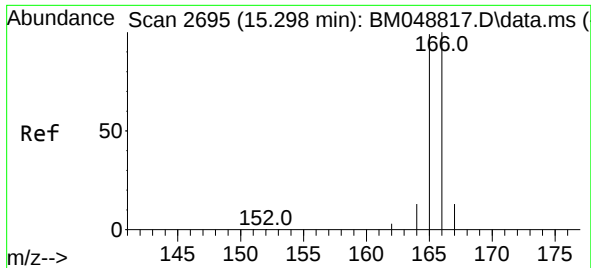
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#11
Acenaphthene
Concen: 0.076 ng/ul
RT: 14.302 min Scan# 2480
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

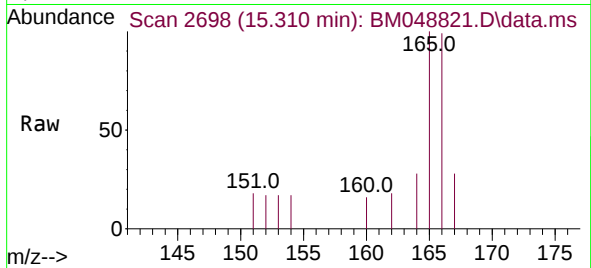
Tgt Ion:153 Resp: 1211
Ion Ratio Lower Upper
153 100
152 64.2 46.5 69.7
154 93.8 68.7 103.1





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.310 min Scan# 2010
Delta R.T. 0.013 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

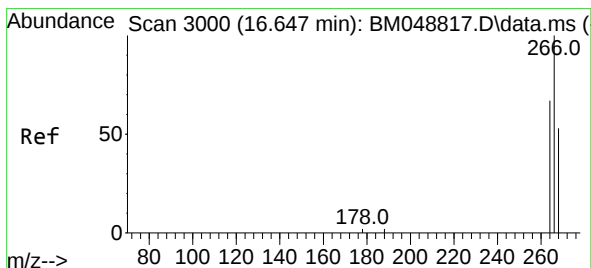
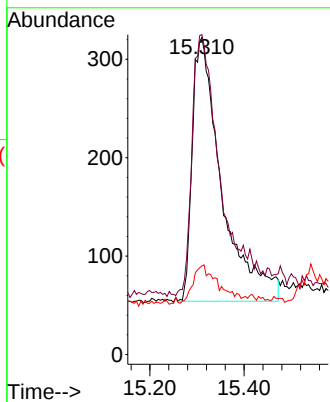
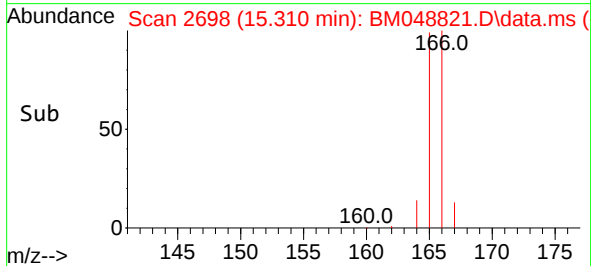
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:166 Resp: 1164
Ion Ratio Lower Upper
166 100
165 100.9 79.8 119.6
167 28.0 12.2 18.2

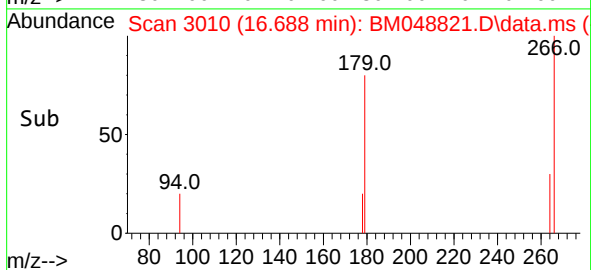
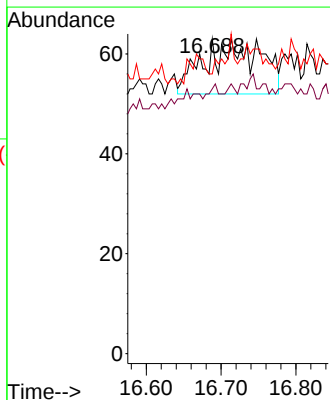
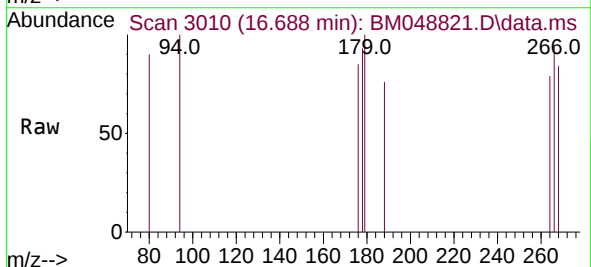
Manual Integrations
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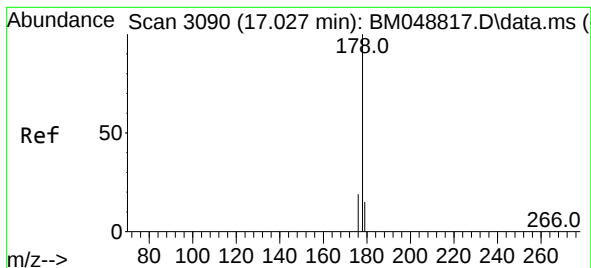
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#14
Pentachlorophenol
Concen: 0.074 ng/ul m
RT: 16.688 min Scan# 3010
Delta R.T. 0.033 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
264 12.7 15.3 22.9#
268 16.4 0.0 0.0#





#15

Phenanthrene

Concen: 0.069 ng/u1

RT: 17.030 min Scan# 3090

Delta R.T. -0.001 min

Lab File: BM048821.D

Acq: 03 Dec 2024 15:37

Instrument :

BNA_M

ClientSampleId :

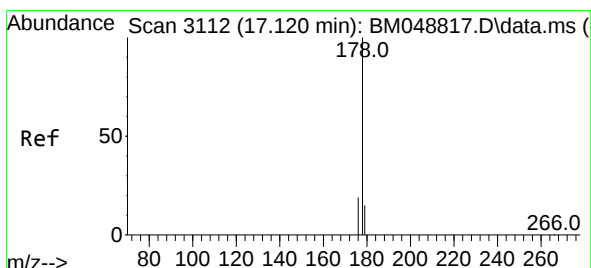
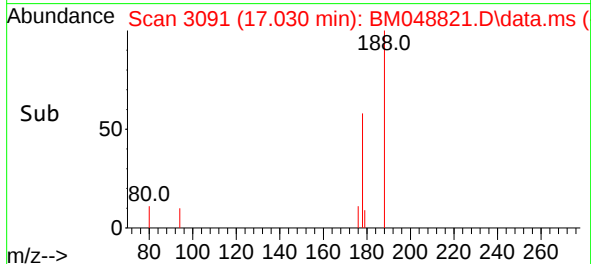
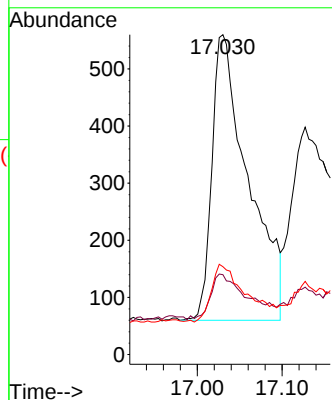
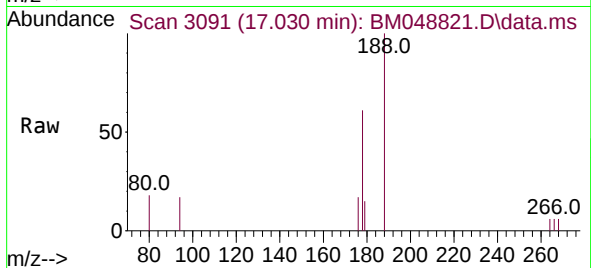
MDL-SOIL-QT4-2024-07

Tgt Ion:178	Resp:	149
Ion Ratio	Lower	Upper
178	100	
179	25.0	13.4 20.0
176	27.5	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: 0.065 ng/u1

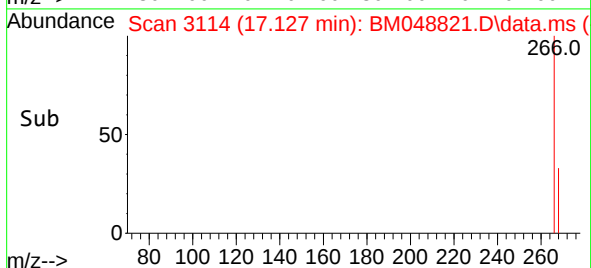
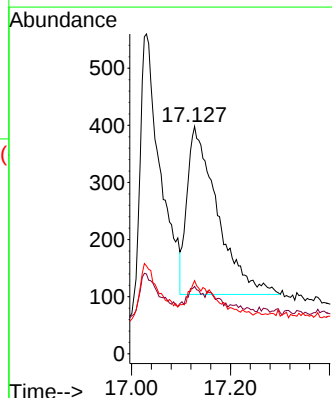
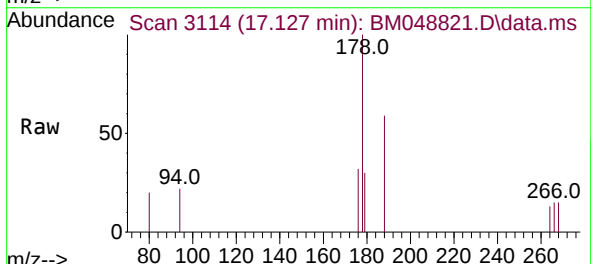
RT: 17.127 min Scan# 3114

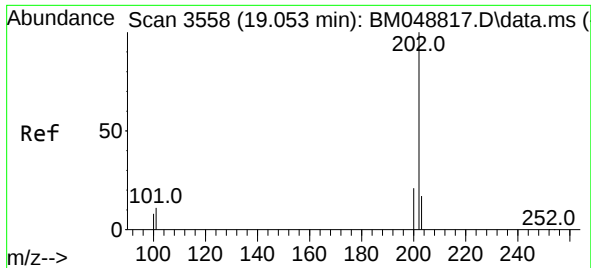
Delta R.T. 0.003 min

Lab File: BM048821.D

Acq: 03 Dec 2024 15:37

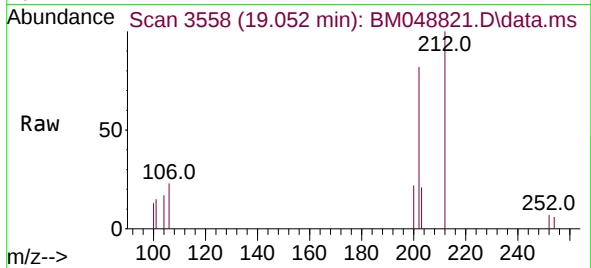
Tgt Ion:178	Resp:	1252
Ion Ratio	Lower	Upper
178	100	
179	29.6	14.0 21.0
176	32.2	17.0 25.4





#19
Fluoranthene
Concen: 0.087 ng/u1
RT: 19.052 min Scan# 3558
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

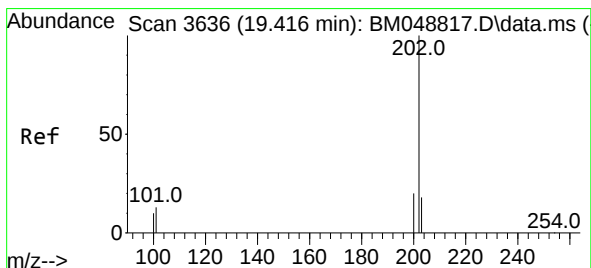
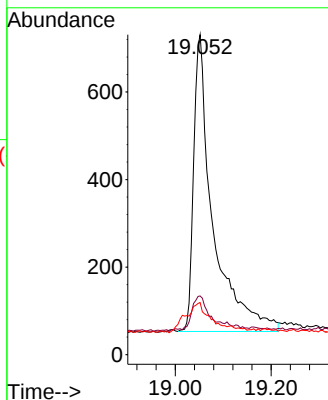
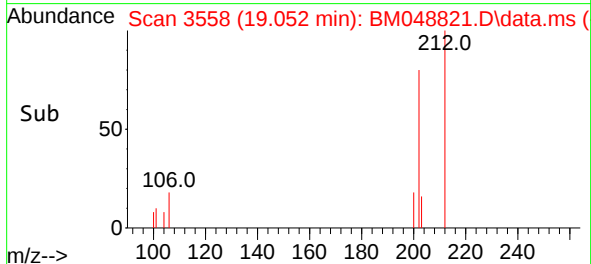
Instrument :
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MDL-SOIL-QT4-2024-07



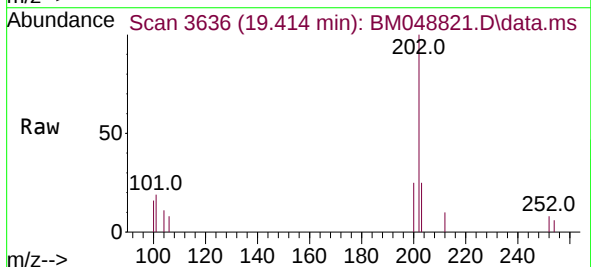
Tgt Ion:202 Resp: 1901
Ion Ratio Lower Upper
202 100
101 18.3 9.7 14.5#
100 16.3 7.5 11.3#

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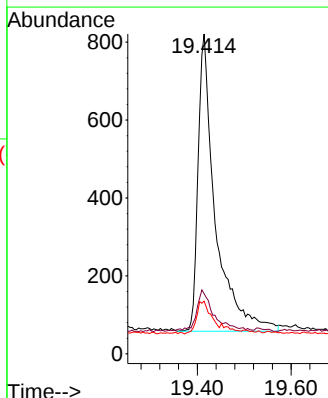
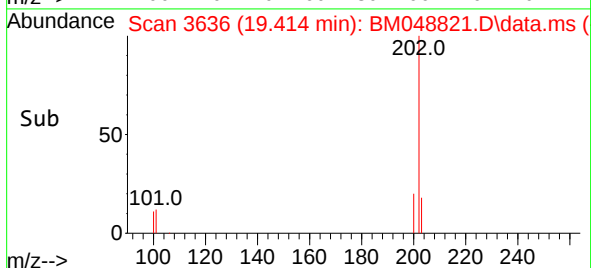
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

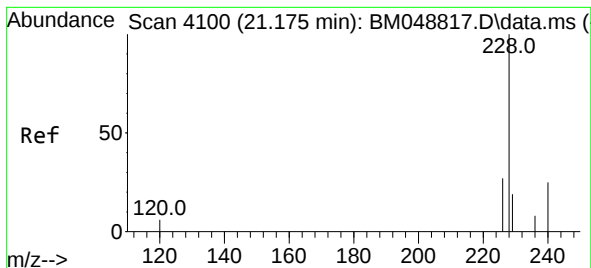


#20
Pyrene
Concen: 0.086 ng/u1
RT: 19.414 min Scan# 3636
Delta R.T. -0.001 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37



Tgt Ion:202 Resp: 1947
Ion Ratio Lower Upper
202 100
101 18.8 11.6 17.4#
100 16.4 9.4 14.0#





#21

Benzo(a)anthracene

Concen: 0.066 ng/uI

RT: 21.172 min Scan# 4099

Delta R.T. 0.000 min

Lab File: BM048821.D

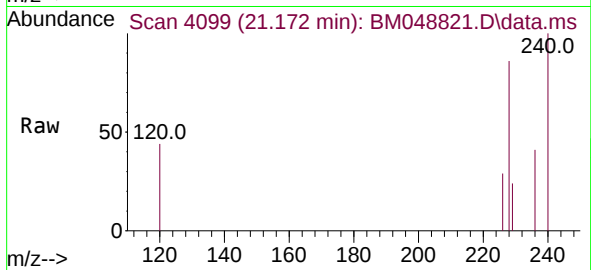
Acq: 03 Dec 2024 15:37

Instrument :

BNM

ClientSampleId :

MDL-SOIL-QT4-2024-07



Tgt Ion:228 Resp: 879

Ion Ratio Lower Upper

228 100

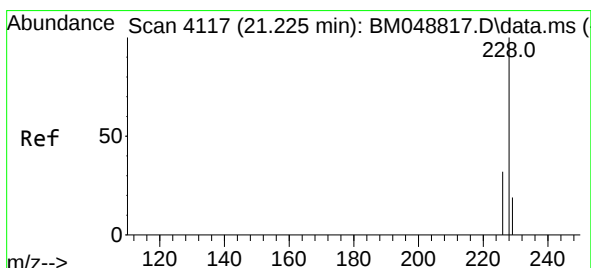
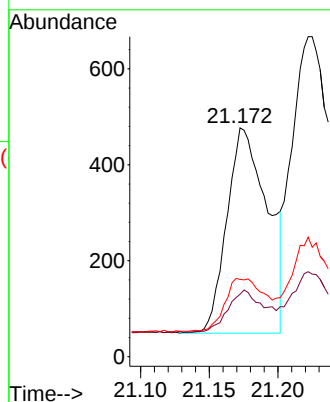
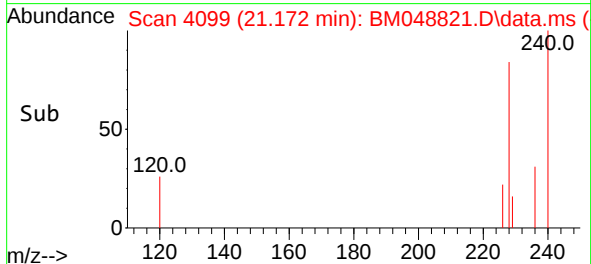
229 27.3 17.0 25.6

226 33.8 22.5 33.7

Manual Integrations

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



#22

Chrysene

Concen: 0.087 ng/uI

RT: 21.222 min Scan# 4116

Delta R.T. 0.000 min

Lab File: BM048821.D

Acq: 03 Dec 2024 15:37

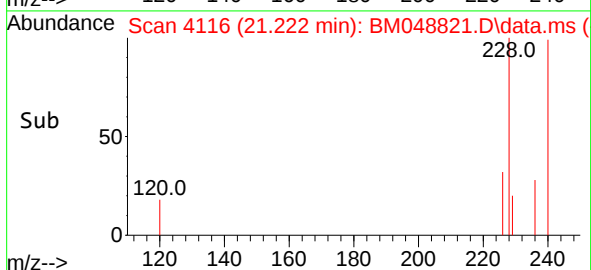
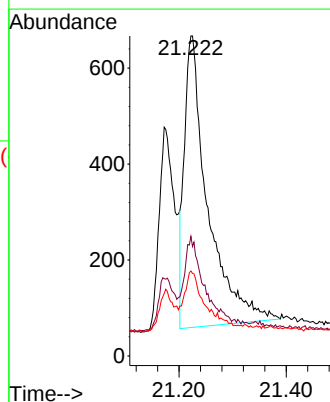
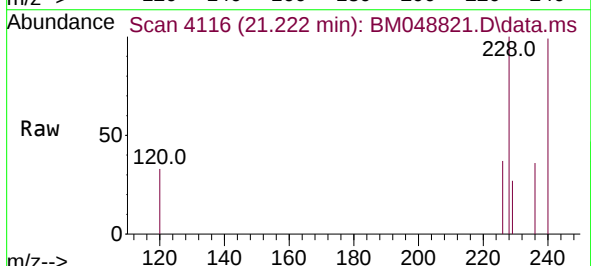
Tgt Ion:228 Resp: 1841

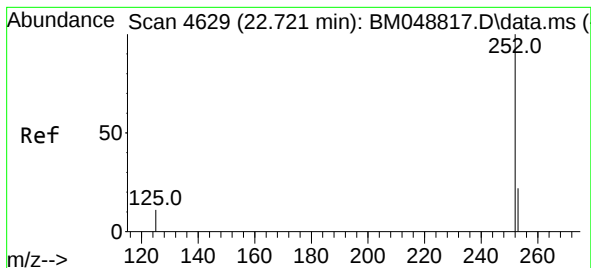
Ion Ratio Lower Upper

228 100

226 37.3 24.6 37.0#

229 26.5 16.1 24.1#





#24

Benzo(b)fluoranthene

Concen: 0.073 ng/ul

RT: 22.715 min Scan# 4627

Delta R.T. -0.005 min

Lab File: BM048821.D

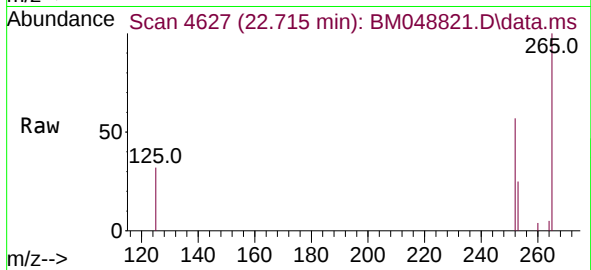
Acq: 03 Dec 2024 15:37

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2024-07



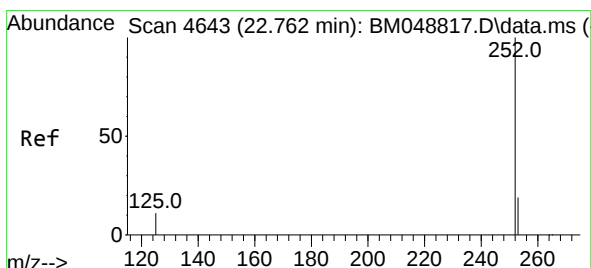
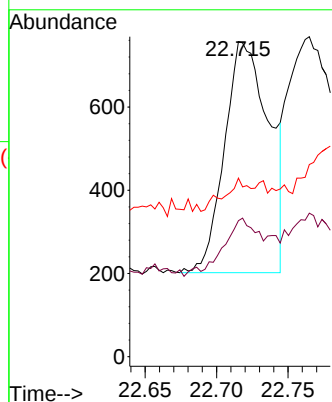
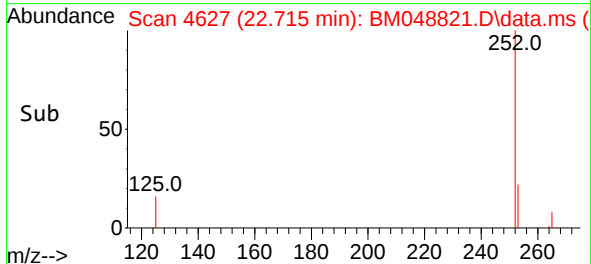
Tgt Ion:252 Resp: 1200

Ion	Ratio	Lower	Upper
252	100		
253	43.2	0.0	54.2
125	56.7	0.0	41.4

Manual Integrations

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



#25

Benzo(k)fluoranthene

Concen: 0.081 ng/ul

RT: 22.765 min Scan# 4644

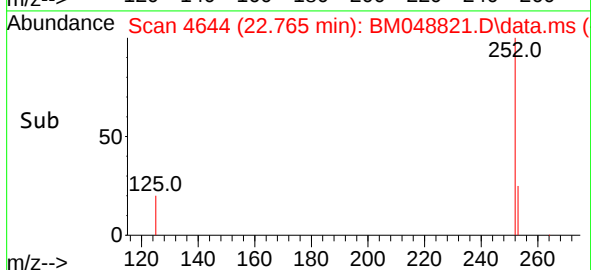
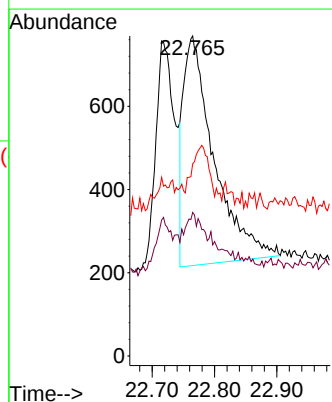
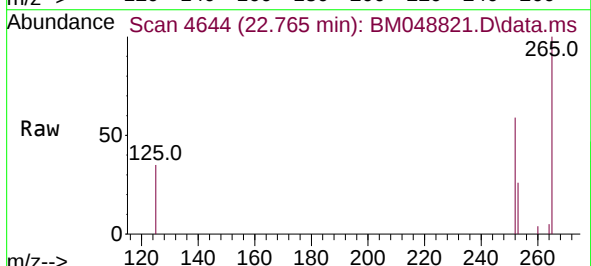
Delta R.T. 0.001 min

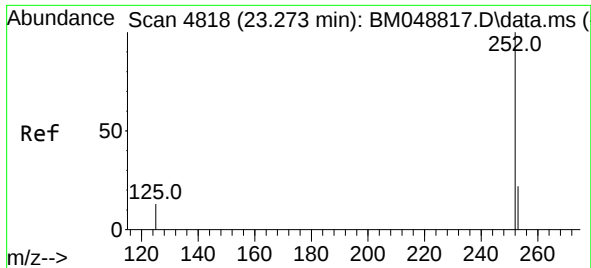
Lab File: BM048821.D

Acq: 03 Dec 2024 15:37

Tgt Ion:252 Resp: 1884

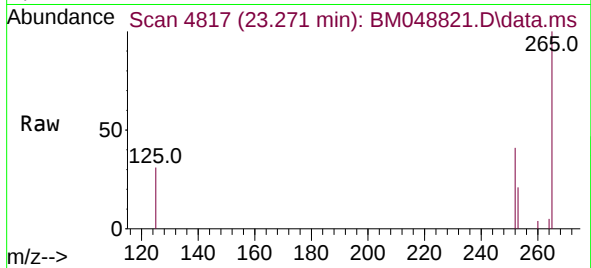
Ion	Ratio	Lower	Upper
252	100		
253	44.9	20.8	31.2#
125	60.1	16.2	24.4#





#26
Benzo(a)pyrene
Concen: 0.061 ng/ul
RT: 23.271 min Scan# 4818
Delta R.T. -0.002 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

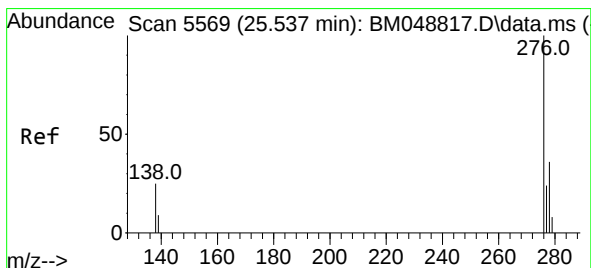
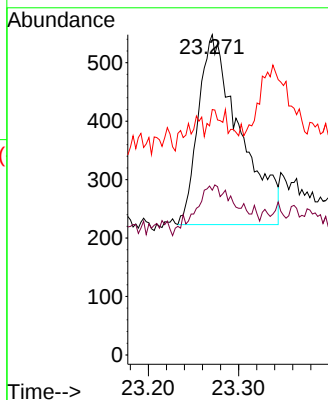
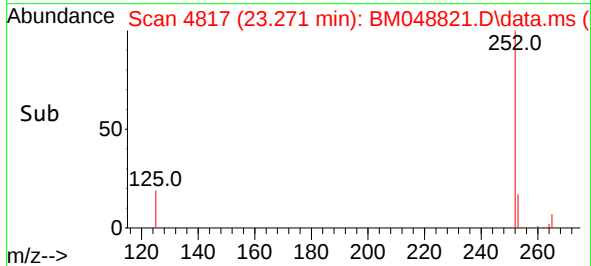
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:252 Resp: 1039
Ion Ratio Lower Upper
252 100
253 51.5 22.5 33.7
125 76.6 20.6 30.8

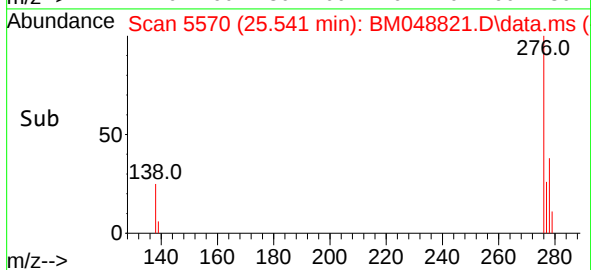
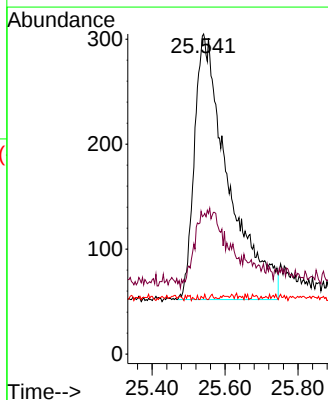
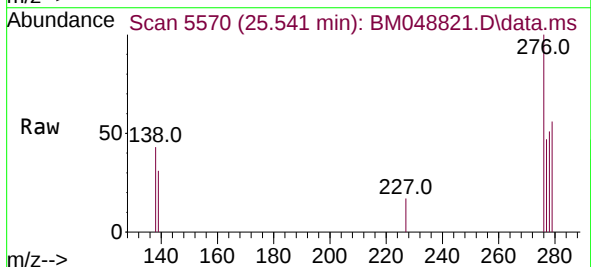
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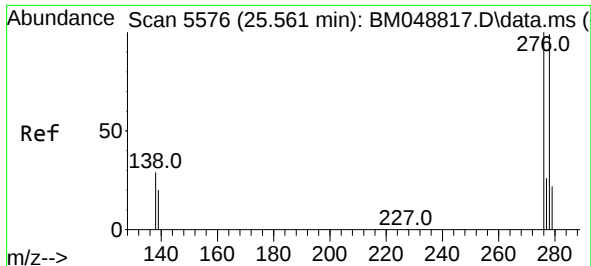
Reviewed By :Jagrut Upadhyay 12/03/2024
Supervised By :mohammad ahmed 12/05/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 25.541 min Scan# 5570
Delta R.T. -0.006 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

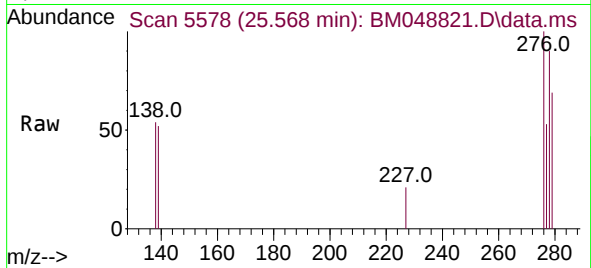
Tgt Ion:276 Resp: 1627
Ion Ratio Lower Upper
276 100
138 0.0 23.3 34.9#
227 0.2 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.568 min Scan# 51
Delta R.T. 0.004 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

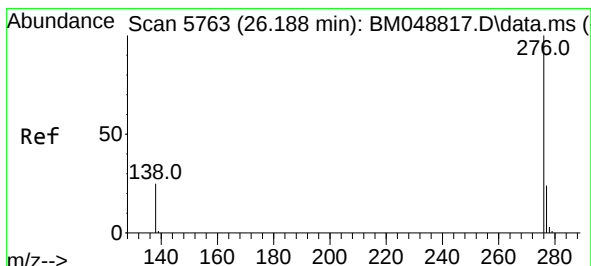
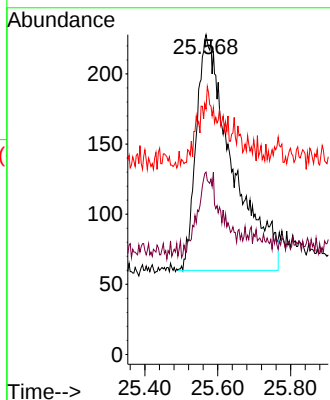
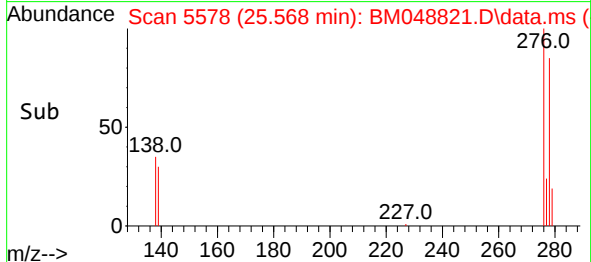
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:278 Resp: 115
Ion Ratio Lower Upper
278 100
139 57.0 18.6 27.8#
279 76.8 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: 0.076 ng/ul
RT: 26.182 min Scan# 5761
Delta R.T. -0.013 min
Lab File: BM048821.D
Acq: 03 Dec 2024 15:37

Tgt Ion:276 Resp: 1479
Ion Ratio Lower Upper
276 100
138 41.0 22.2 33.2#
277 40.8 21.8 32.6#

