

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052924\
 Data File : BM045778.D
 Acq On : 29 May 2024 12:19
 Operator : MA/JU
 Sample : P2409-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 29 12:57:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM052824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 00:02:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.480	152	7423	0.400	ng/ul	0.00
4) Naphthalene-d8	10.255	136	22631	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.127	164	11682	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.871	188	23579	0.400	ng/ul	0.00
17) Chrysene-d12	21.061	240	15366	0.400	ng/ul	0.00
23) Perylene-d12	23.174	264	17154	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.071	96	3312	0.345	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.855	152	11306	0.361	ng/ul	0.00
18) Fluoranthene-d10	18.900	212	19931	0.376	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.105	88	689m	0.074	ng/ul	
5) Naphthalene	10.304	128	4038	0.069	ng/ul#	95
7) 2-Methylnaphthalene	11.932	142	2474	0.067	ng/ul	99
8) 1-Methylnaphthalene	12.152	142	2467	0.064	ng/ul	99
10) Acenaphthylene	13.850	152	3521	0.065	ng/ul	95
11) Acenaphthene	14.192	153	2599	0.067	ng/ul	98
12) Fluorene	15.182	166	2872	0.066	ng/ul	98
14) Pentachlorophenol	16.576	266	91m	0.075	ng/ul	
15) Phenanthrene	16.913	178	4415	0.066	ng/ul	95
16) Anthracene	17.002	178	3824	0.062	ng/ul	92
19) Fluoranthene	18.928	202	4748	0.067	ng/ul#	93
20) Pyrene	19.295	202	4776	0.065	ng/ul	97
21) Benzo(a)anthracene	21.044	228	3602	0.061	ng/ul	94
22) Chrysene	21.096	228	3831m	0.062	ng/ul	
24) Benzo(b)fluoranthene	22.548	252	4041	0.064	ng/ul#	26
25) Benzo(k)fluoranthene	22.589	252	4181	0.067	ng/ul#	50
26) Benzo(a)pyrene	23.080	252	3552	0.067	ng/ul#	21
27) Indeno(1,2,3-cd)pyrene	25.249	276	4187	0.071	ng/ul#	51
28) Dibenzo(a,h)anthracene	25.266	278	2900	0.067	ng/ul#	50
29) Benzo(g,h,i)perylene	25.876	276	4061	0.069	ng/ul#	73

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

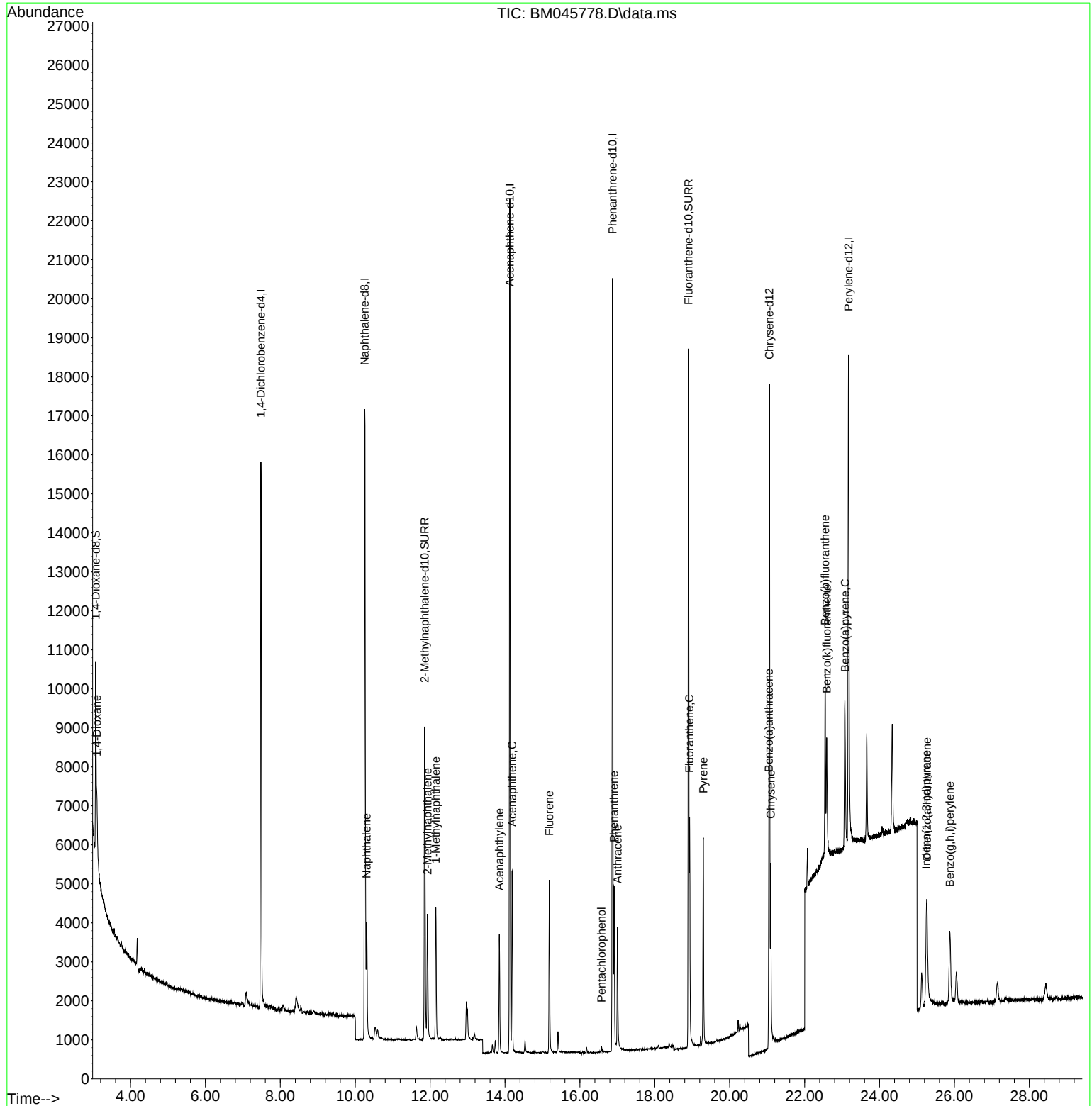
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052924\
Data File : BM045778.D
Acq On : 29 May 2024 12:19
Operator : MA/JU
Sample : P2409-03
Misc : SFAM-SIM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

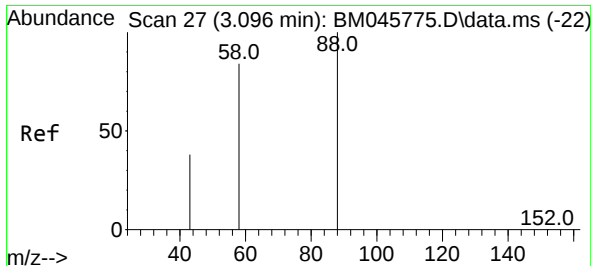
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03

Quant Time: May 29 12:57:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM052824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 00:02:49 2024
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APPROVED

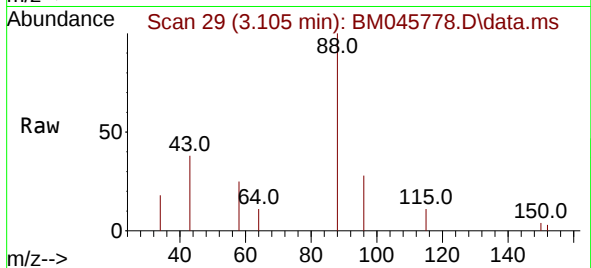
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024





#2
1,4-Dioxane
Concen: 0.074 ng/ul m
RT: 3.105 min Scan# 29
Delta R.T. 0.004 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

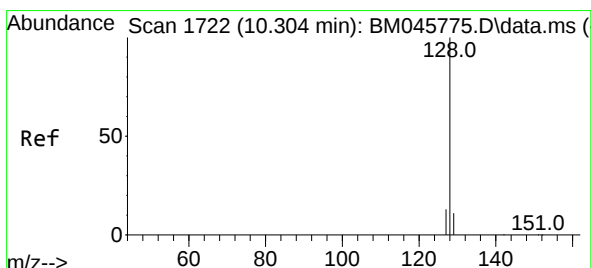
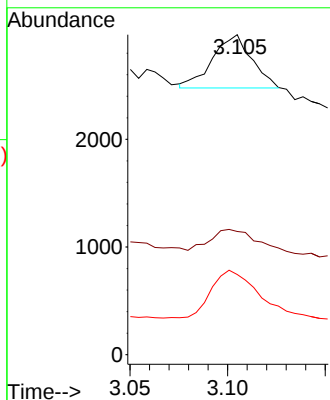
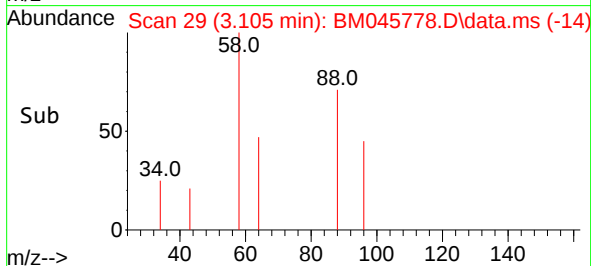
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 88 Resp: 689
Ion Ratio Lower Upper
88 100
43 38.5 38.4 57.6
58 25.0 47.0 70.6

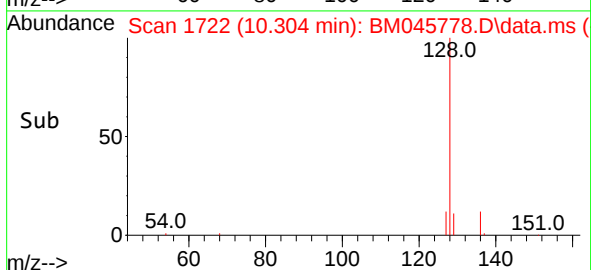
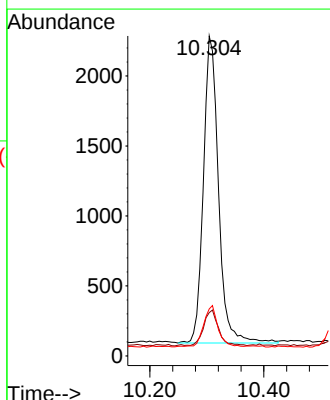
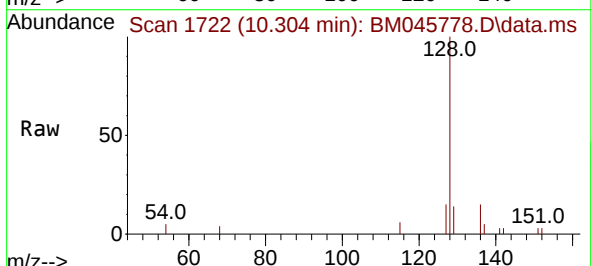
Manual Integrations
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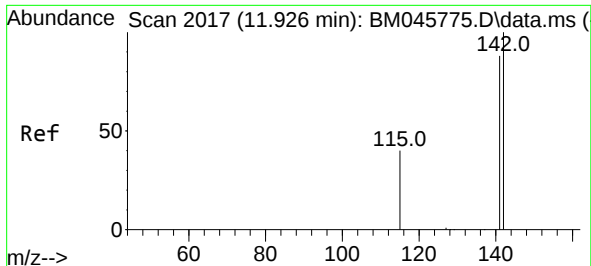
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.304 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

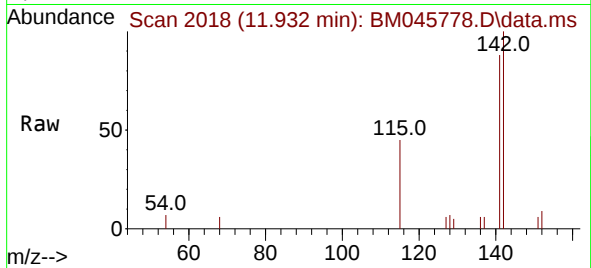
Tgt Ion:128 Resp: 4038
Ion Ratio Lower Upper
128 100
129 13.5 8.9 13.3#
127 14.7 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 11.932 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

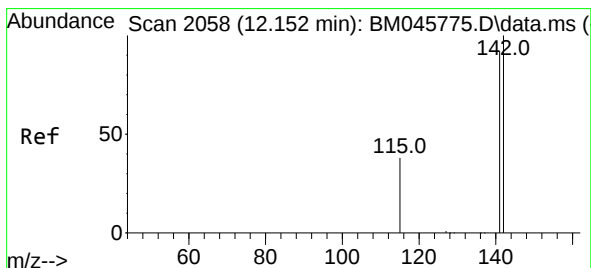
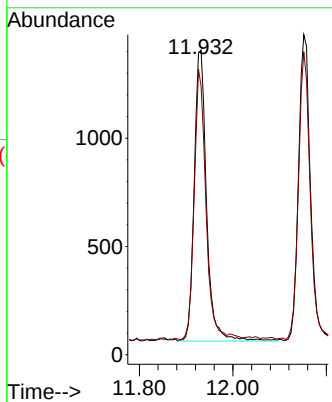
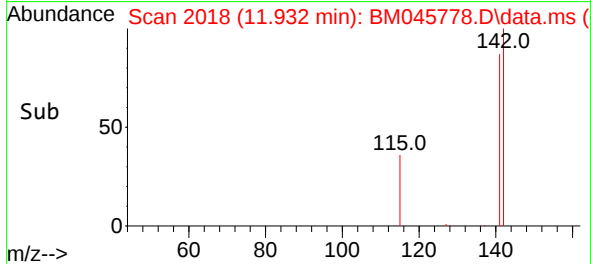
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:142 Resp: 2474
Ion Ratio Lower Upper
142 100
141 88.6 71.9 107.9

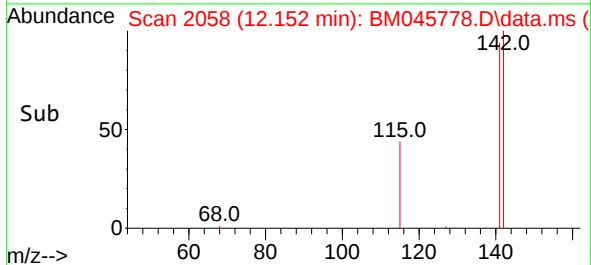
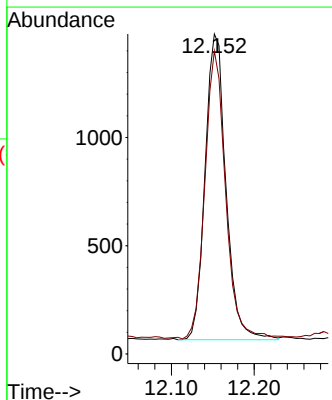
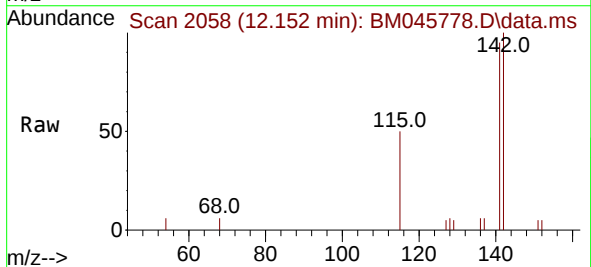
Manual Integrations
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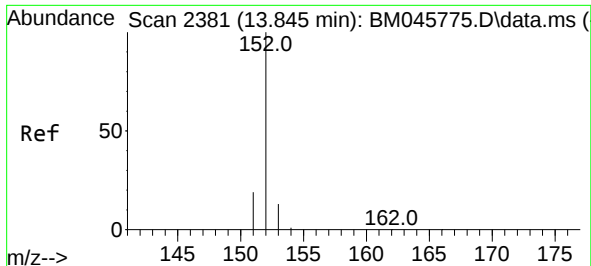
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.152 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

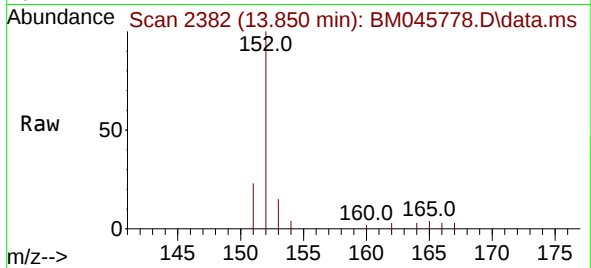
Tgt Ion:142 Resp: 2467
Ion Ratio Lower Upper
142 100
141 92.7 73.3 109.9





#10
Acenaphthylene
Concen: 0.065 ng/u1
RT: 13.850 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

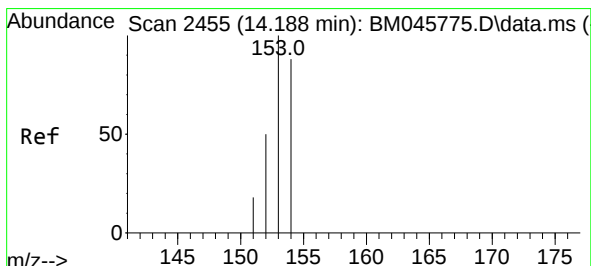
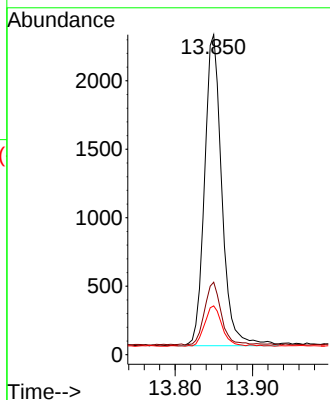
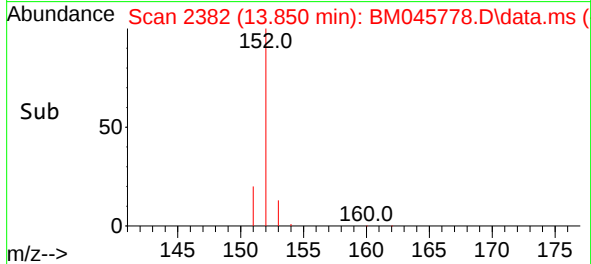
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ClientSampleId :
MDL-SOIL-QT2-2024-03



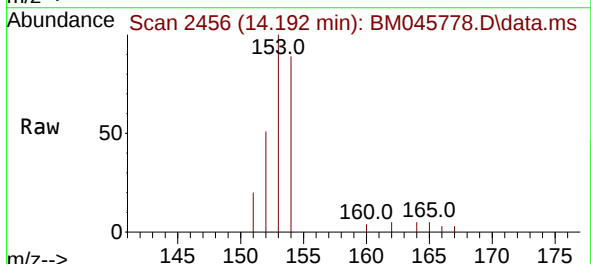
Tgt Ion:152 Resp: 352
Ion Ratio Lower Upper
152 100
151 22.6 16.2 24.4
153 15.3 10.8 16.2

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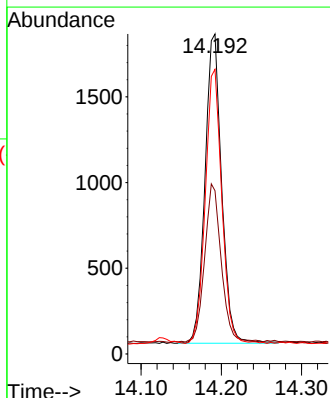
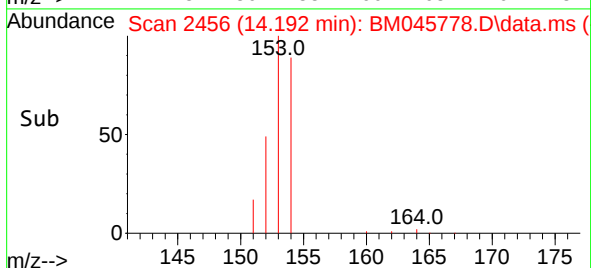
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

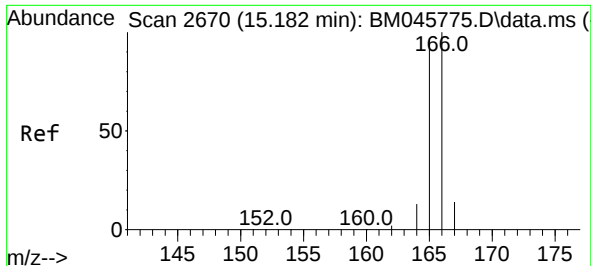


#11
Acenaphthene
Concen: 0.067 ng/u1
RT: 14.192 min Scan# 2456
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19



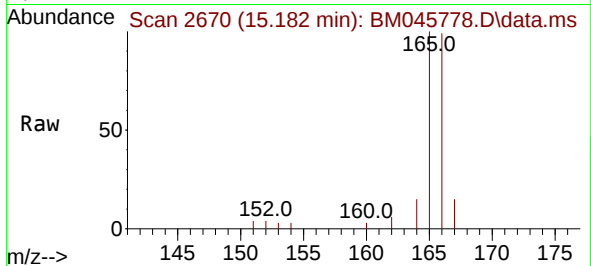
Tgt Ion:153 Resp: 2599
Ion Ratio Lower Upper
153 100
152 51.0 39.7 59.5
154 89.0 70.2 105.4





#12
Fluorene
Concen: 0.066 ng/ul
RT: 15.182 min Scan# 2670
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

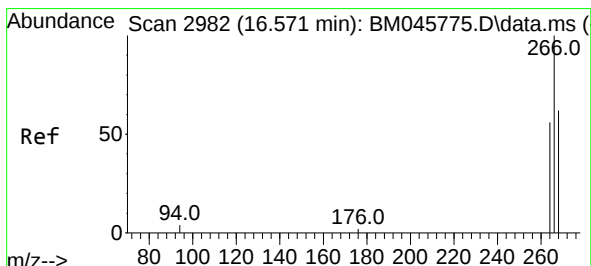
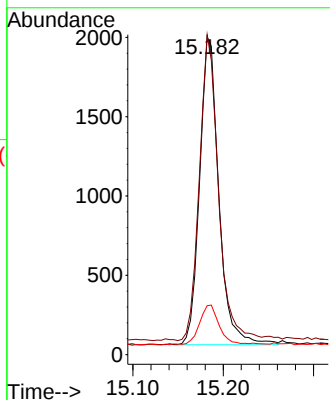
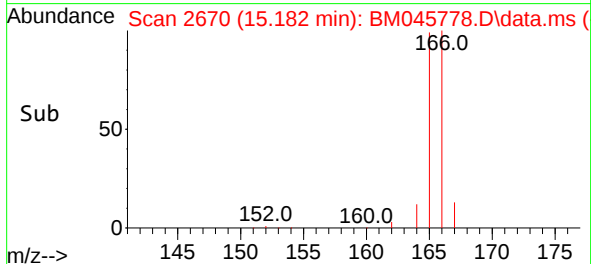
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:166 Resp: 287
Ion Ratio Lower Upper
166 100
165 100.6 79.5 119.3
167 15.4 11.2 16.8

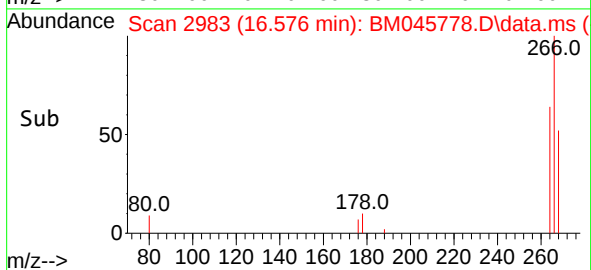
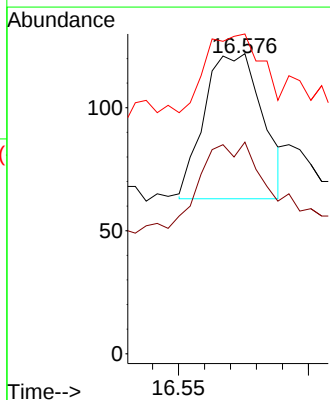
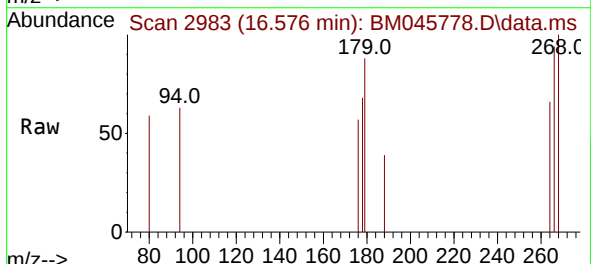
Manual Integrations
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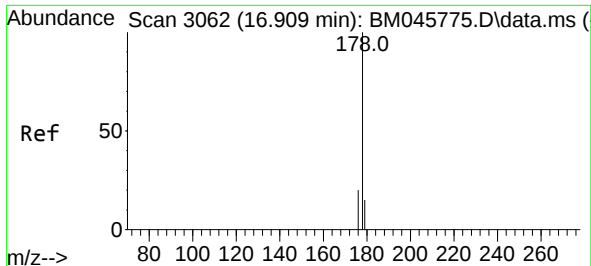
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#14
Pentachlorophenol
Concen: 0.075 ng/ul m
RT: 16.576 min Scan# 2983
Delta R.T. 0.013 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

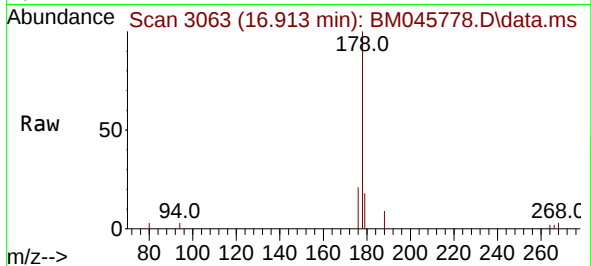
Tgt Ion:266 Resp: 91
Ion Ratio Lower Upper
266 100
264 91.2 48.1 72.1#
268 92.3 50.2 75.2#





#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 16.913 min Scan# 3063
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

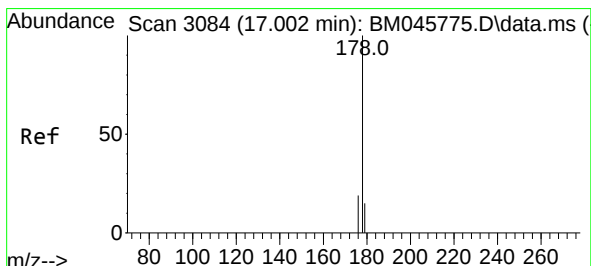
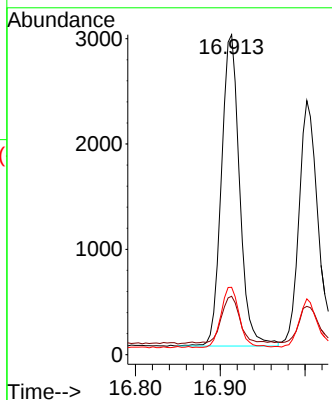
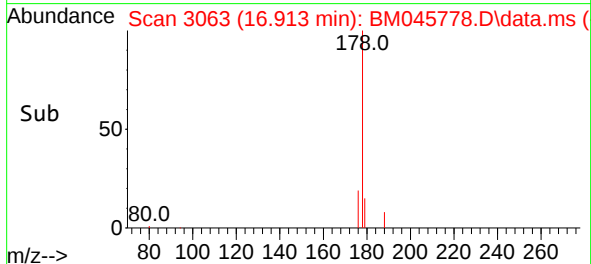
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:178 Resp: 4415
Ion Ratio Lower Upper
178 100
179 18.3 12.6 19.0
176 21.1 15.6 23.4

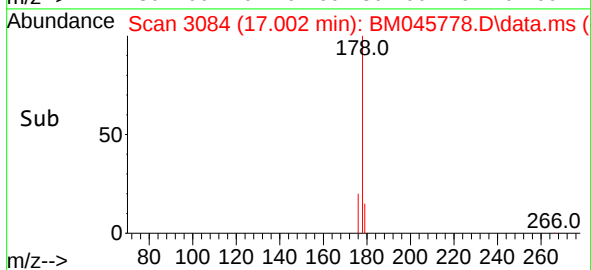
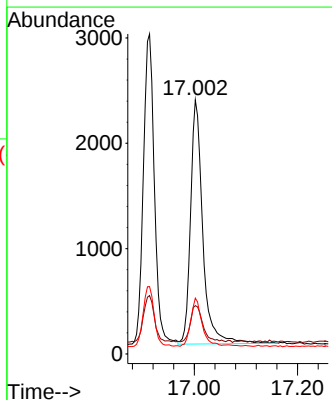
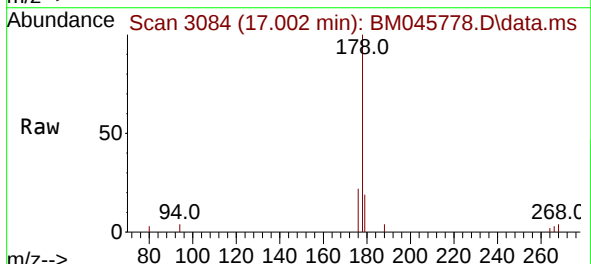
Manual Integrations
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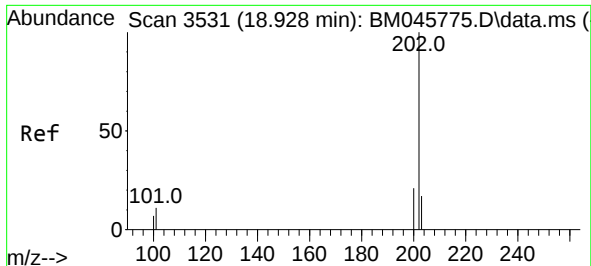
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#16
Anthracene
Concen: 0.062 ng/u1
RT: 17.002 min Scan# 3084
Delta R.T. -0.004 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

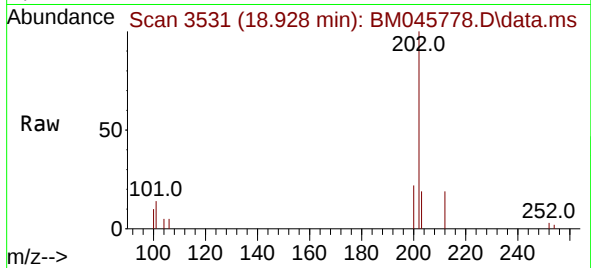
Tgt Ion:178 Resp: 3824
Ion Ratio Lower Upper
178 100
179 19.0 12.9 19.3
176 22.0 14.7 22.1





#19
Fluoranthene
Concen: 0.067 ng/u1
RT: 18.928 min Scan# 3531
Delta R.T. -0.005 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

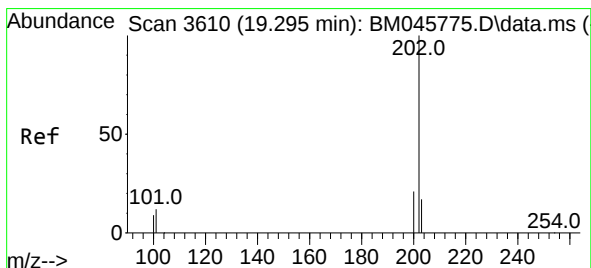
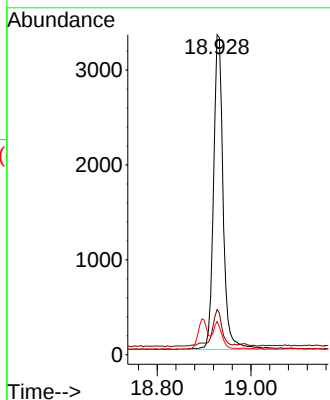
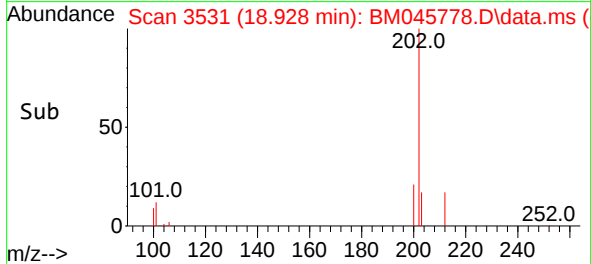
Instrument :
BNA_M
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MDL-SOIL-QT2-2024-03



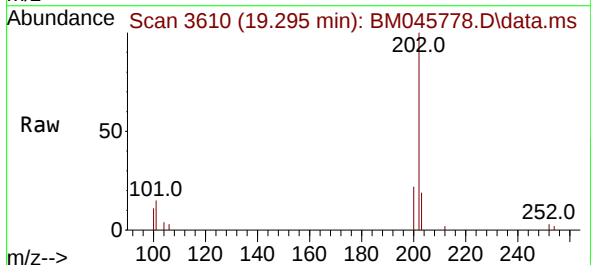
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Ion Ratio Lower Upper
202 100
101 14.1 8.9 13.3
100 10.3 6.7 10.1

Manual Integrations
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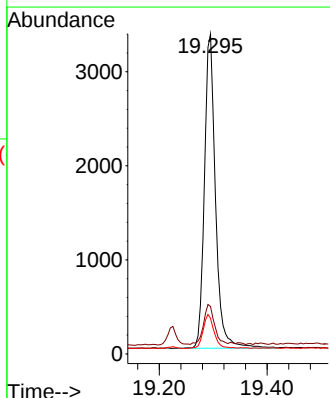
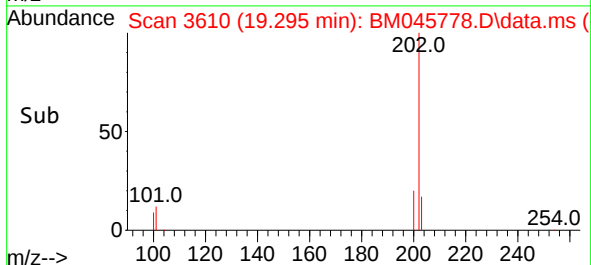
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024

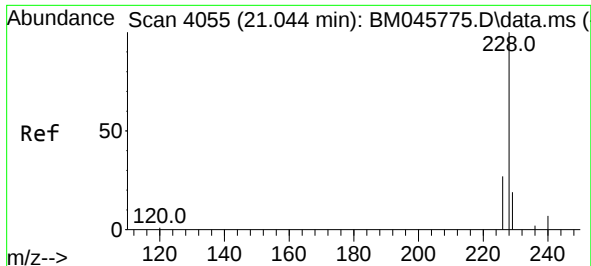


#20
Pyrene
Concen: 0.065 ng/u1
RT: 19.295 min Scan# 3610
Delta R.T. -0.000 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19



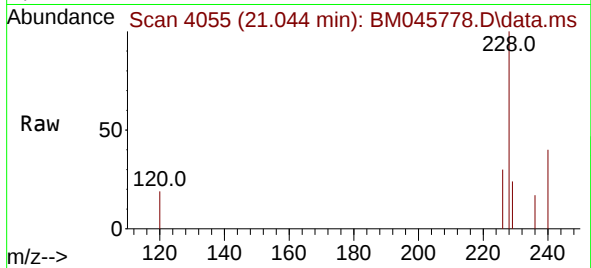
Tgt Ion:202 Resp: 4776
Ion Ratio Lower Upper
202 100
101 14.8 10.5 15.7
100 11.1 8.6 12.8





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 21.044 min Scan# 4055
Delta R.T. -0.003 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

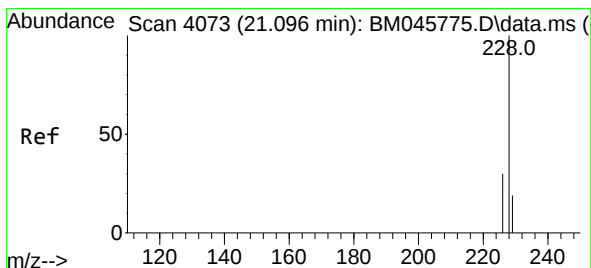
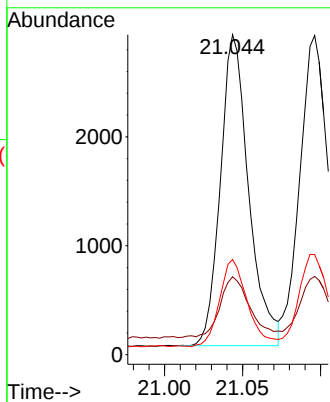
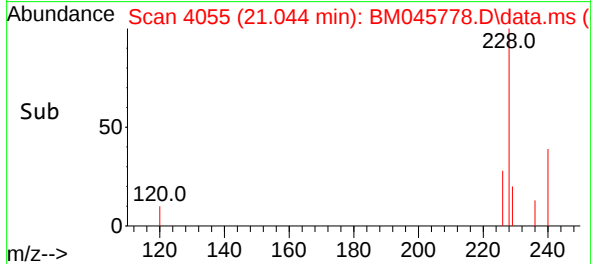
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:228 Resp: 3602
Ion Ratio Lower Upper
228 100
229 24.4 16.6 25.0
226 29.7 21.8 32.6

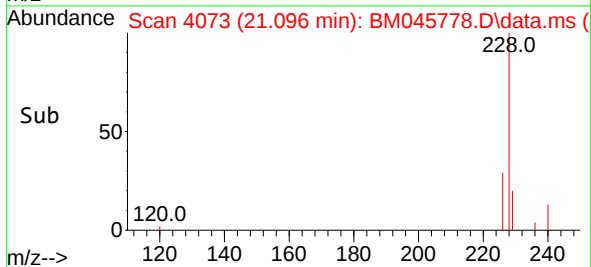
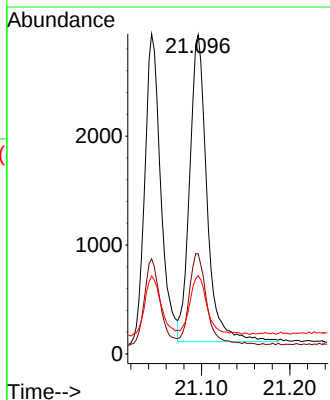
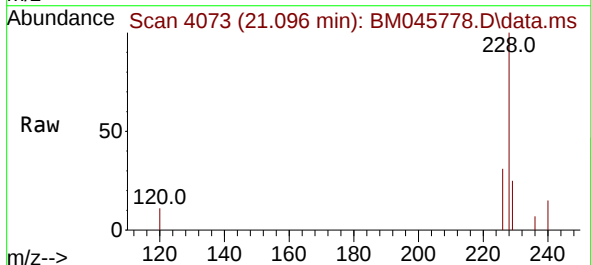
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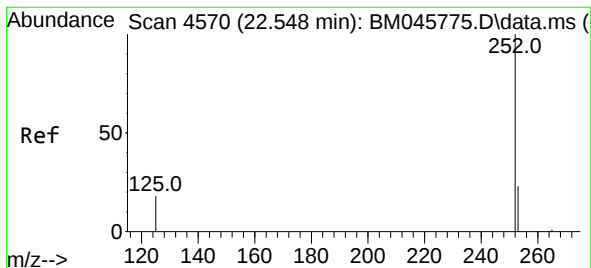
Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#22
Chrysene
Concen: 0.062 ng/ul m
RT: 21.096 min Scan# 4073
Delta R.T. -0.003 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

Tgt Ion:228 Resp: 3831
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 24.5 16.3 24.5#





#24

Benzo(b)fluoranthene

Concen: 0.064 ng/ul

RT: 22.548 min Scan# 4570

Delta R.T. -0.003 min

Lab File: BM045778.D

Acq: 29 May 2024 12:19

Instrument :

BNM

ClientSampleId :

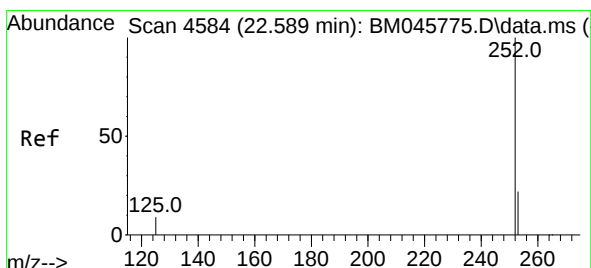
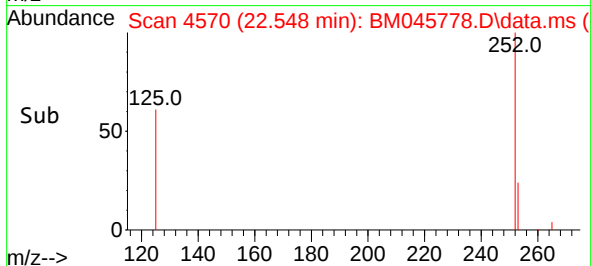
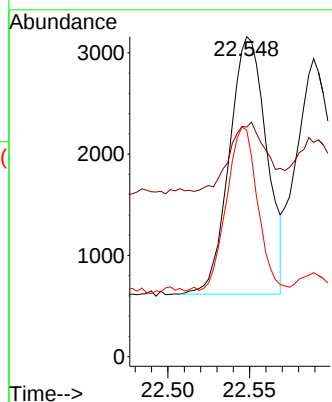
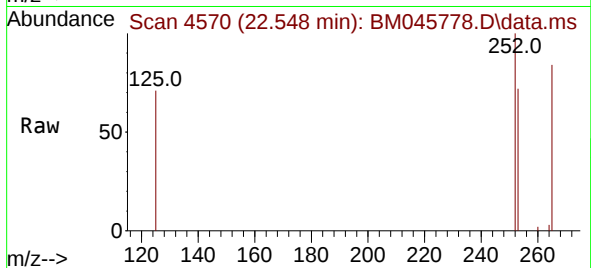
MDL-SOIL-QT2-2024-03

Tgt Ion:	252	Resp:	404
Ion Ratio	Lower	Upper	
252	100		
253	71.8	0.0	71.4
125	70.7	0.0	49.2

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Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#25

Benzo(k)fluoranthene

Concen: 0.067 ng/ul

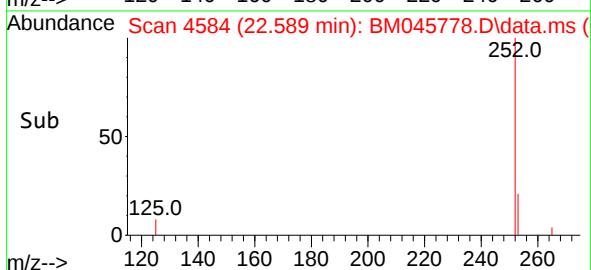
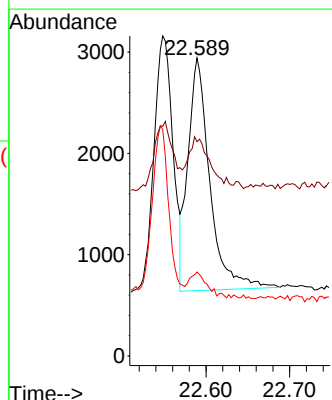
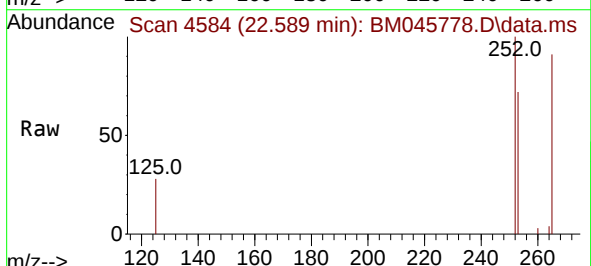
RT: 22.589 min Scan# 4584

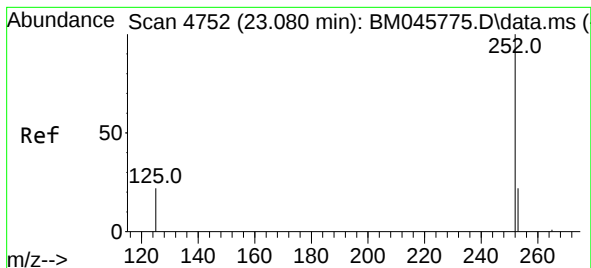
Delta R.T. -0.003 min

Lab File: BM045778.D

Acq: 29 May 2024 12:19

Tgt Ion:	252	Resp:	4181
Ion Ratio	Lower	Upper	
252	100		
253	71.9	29.4	44.0
125	28.2	12.6	18.8





#26

Benzo(a)pyrene

Concen: 0.067 ng/ul

RT: 23.080 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM045778.D

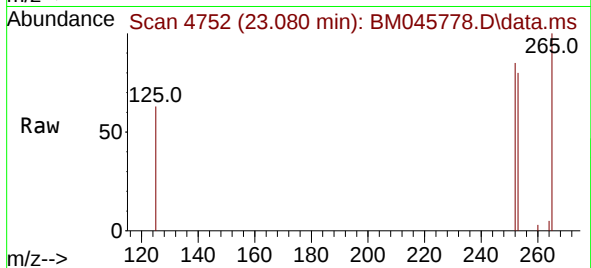
Acq: 29 May 2024 12:19

Instrument :

BNM

ClientSampleId :

MDL-SOIL-QT2-2024-03

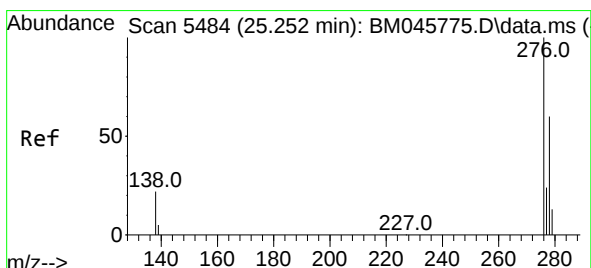
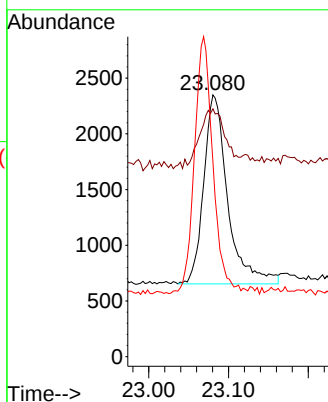
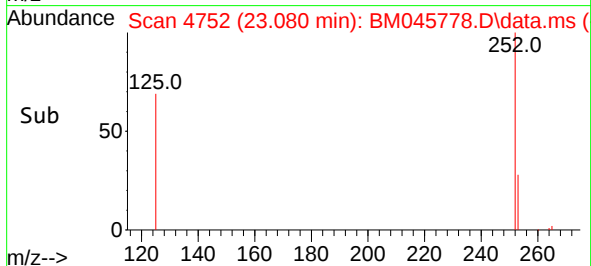


Tgt Ion:	252	Resp:	355
Ion Ratio	Lower	Upper	
252	100		
253	94.7	34.3	51.5
125	74.5	25.7	38.5

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Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.071 ng/ul

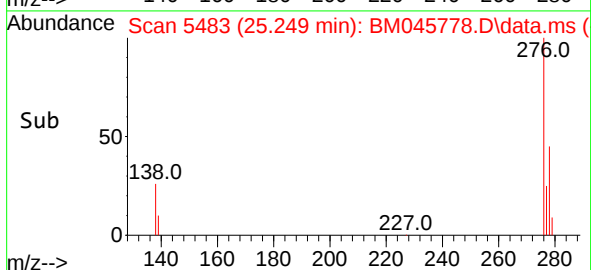
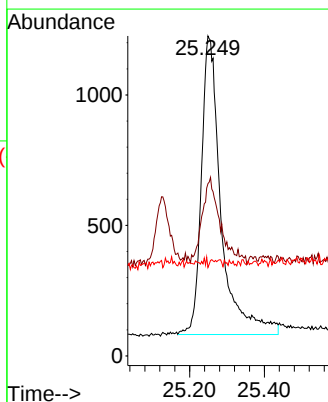
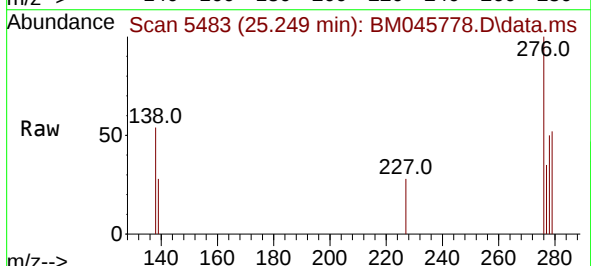
RT: 25.249 min Scan# 5483

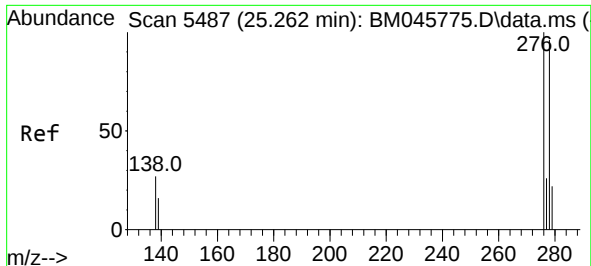
Delta R.T. -0.003 min

Lab File: BM045778.D

Acq: 29 May 2024 12:19

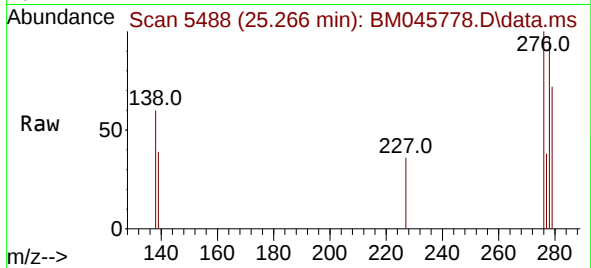
Tgt Ion:	276	Resp:	4187
Ion Ratio	Lower	Upper	
276	100		
138	0.0	19.8	29.8#
227	0.6	0.1	0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 25.266 min Scan# 5487
Delta R.T. -0.003 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

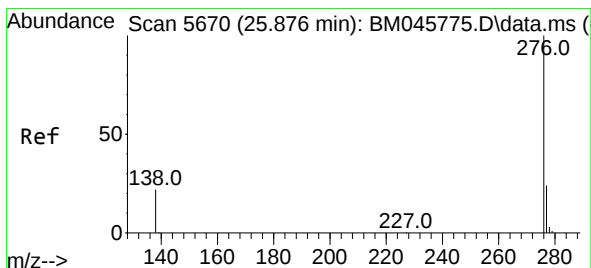
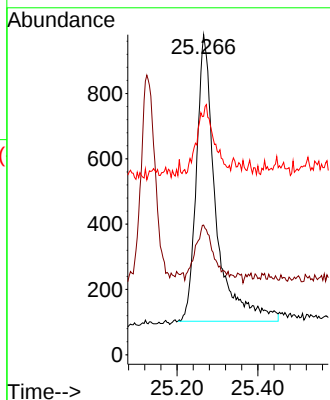
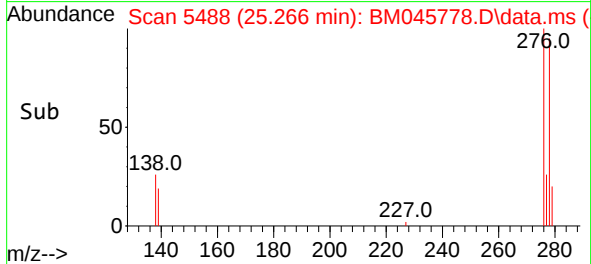
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:278 Resp: 2900
Ion Ratio Lower Upper
278 100
139 40.5 18.7 28.1
279 74.5 31.0 46.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/30/2024
Supervised By :mohammad ahmed 05/31/2024



#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 25.876 min Scan# 5670
Delta R.T. -0.007 min
Lab File: BM045778.D
Acq: 29 May 2024 12:19

Tgt Ion:276 Resp: 4061
Ion Ratio Lower Upper
276 100
138 49.2 23.4 35.0#
277 33.9 21.0 31.4#

