

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053024\
 Data File : BM045785.D
 Acq On : 30 May 2024 12:31
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-SIM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 30 13:08:32 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 :Yogesh Patel 06/01/2024
 Supervised By :mohammad ahmed 06/01/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.481	152	6778	0.400	ng/ul	0.00
4) Naphthalene-d8	10.254	136	20090	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.126	164	10383	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.870	188	20202	0.400	ng/ul	0.00
17) Chrysene-d12	21.062	240	11894	0.400	ng/ul	0.00
23) Perylene-d12	23.177	264	12724	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.067	96	3371	0.385	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.854	152	10807	0.389	ng/ul	0.00
18) Fluoranthene-d10	18.899	212	17097	0.417	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.101	88	615m	0.073	ng/ul	
5) Naphthalene	10.303	128	3564	0.068	ng/ul#	93
7) 2-Methylnaphthalene	11.931	142	2129	0.065	ng/ul	100
8) 1-Methylnaphthalene	12.151	142	2276	0.066	ng/ul	99
10) Acenaphthylene	13.849	152	3057	0.064	ng/ul#	94
11) Acenaphthene	14.186	153	2295	0.066	ng/ul	98
12) Fluorene	15.181	166	2434	0.063	ng/ul	99
14) Pentachlorophenol	16.562	266	85m	0.082	ng/ul	
15) Phenanthrene	16.912	178	3573	0.063	ng/ul	95
16) Anthracene	17.005	178	2997m	0.057	ng/ul	
19) Fluoranthene	18.931	202	3807	0.069	ng/ul#	96
20) Pyrene	19.294	202	3796	0.067	ng/ul	95
21) Benzo(a)anthracene	21.047	228	2702	0.059	ng/ul	95
22) Chrysene	21.100	228	2837m	0.060	ng/ul	
24) Benzo(b)fluoranthene	22.555	252	2991	0.064	ng/ul#	35
25) Benzo(k)fluoranthene	22.596	252	3083	0.067	ng/ul#	49
26) Benzo(a)pyrene	23.087	252	2676	0.068	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	25.253	276	2810	0.064	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.270	278	2060	0.064	ng/ul#	43
29) Benzo(g,h,i)perylene	25.880	276	2837	0.065	ng/ul#	73

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

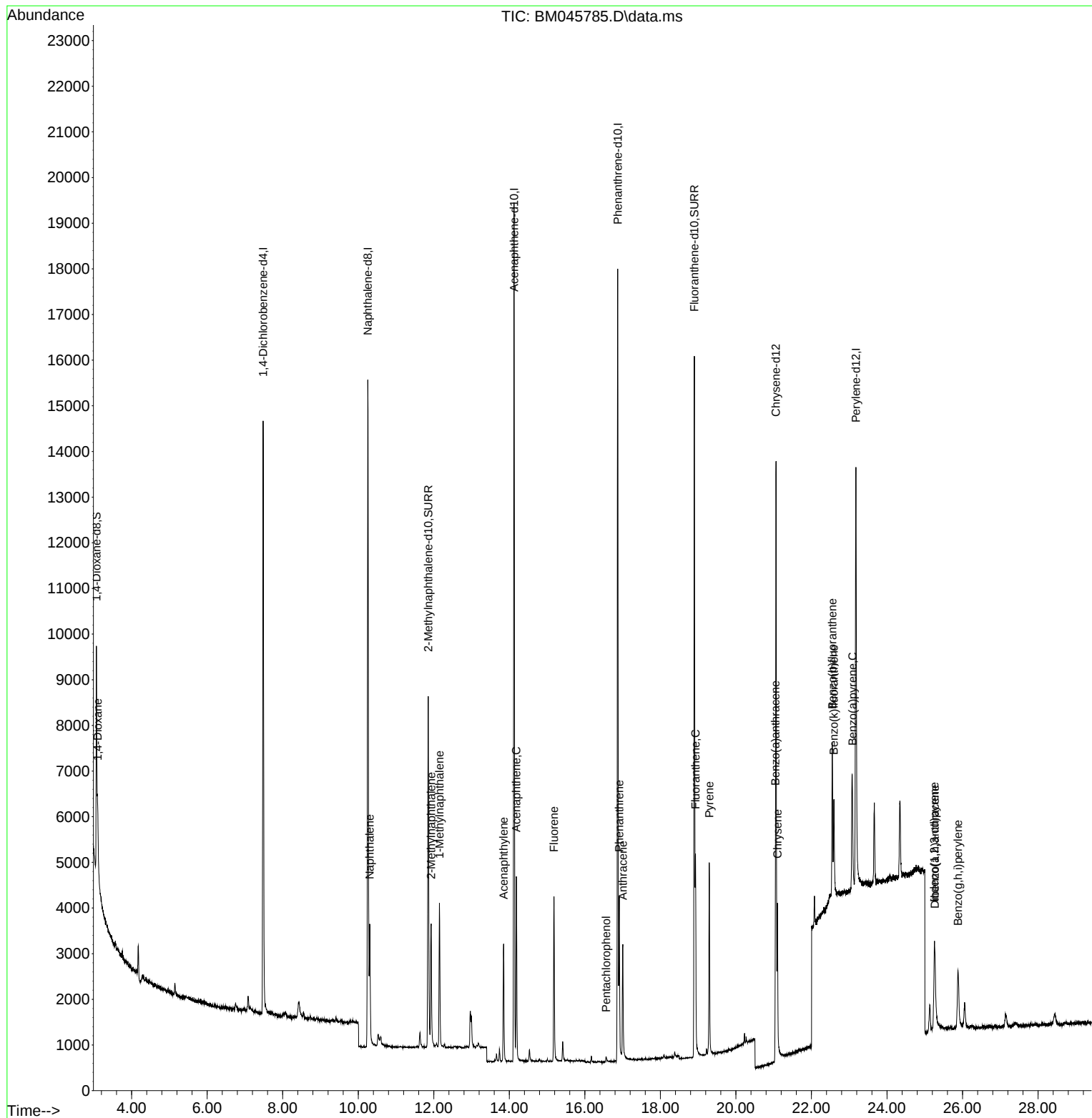
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053024\
Data File : BM045785.D
Acq On : 30 May 2024 12:31
Operator : MA/JU
Sample : P2409-04
Misc : SFAM-SIM-MDL-SOIL-02
ALS Vial : 5 Sample Multiplier: 1

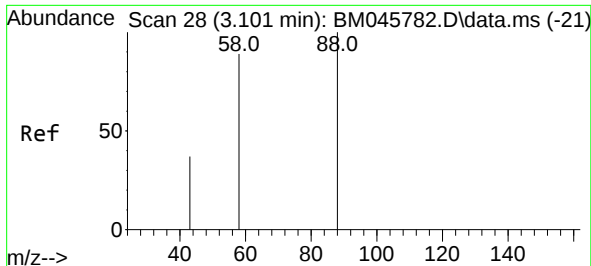
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04

Quant Time: May 30 13:08:32 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

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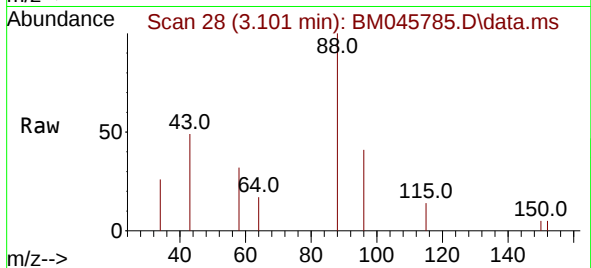
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024





#2
1,4-Dioxane
Concen: 0.073 ng/ul m
RT: 3.101 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

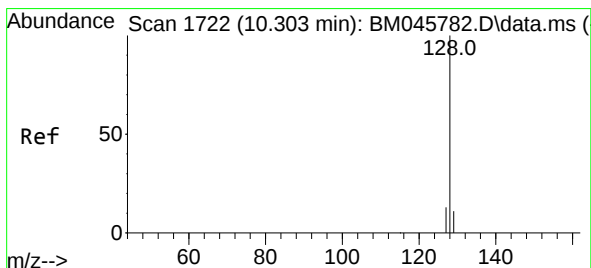
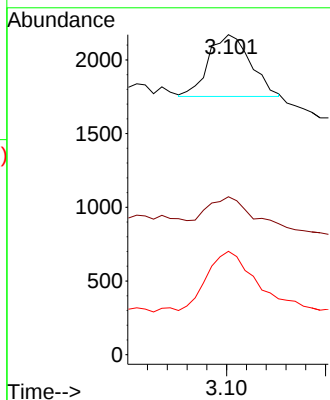
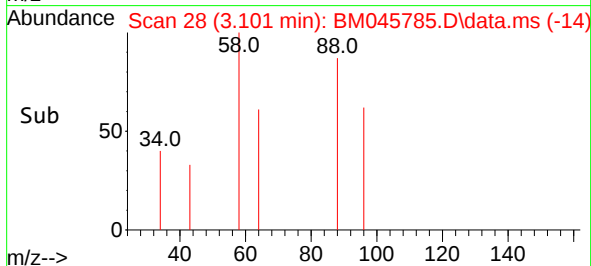
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 49.4 38.4 57.6
58 32.3 47.0 70.6

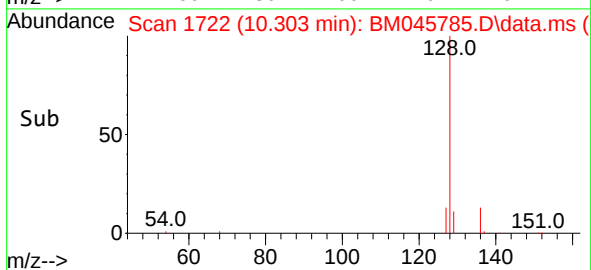
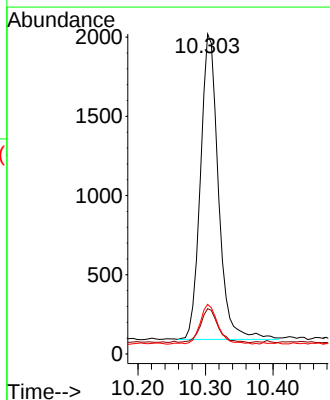
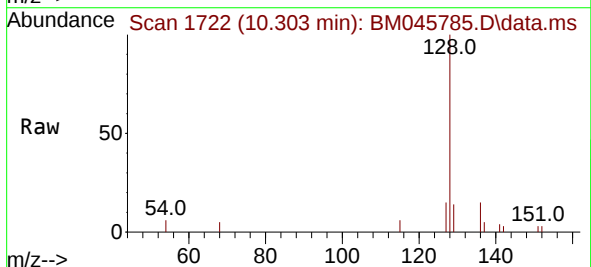
Manual Integrations
APPROVED

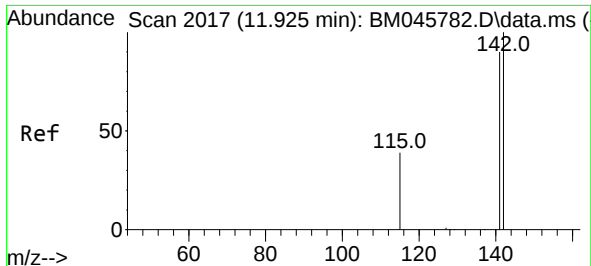
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.303 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

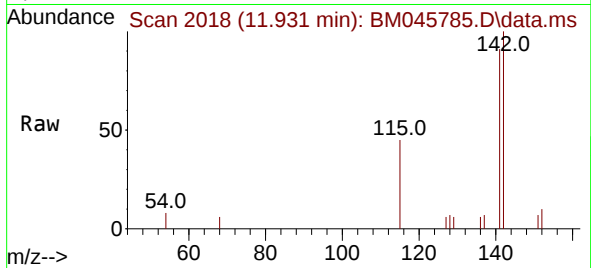
Tgt Ion:128 Resp: 3564
Ion Ratio Lower Upper
128 100
129 14.2 8.9 13.3#
127 15.5 10.3 15.5#





#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 11.931 min Scan# 2017
Delta R.T. -0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

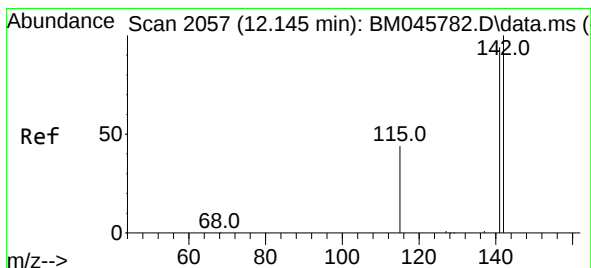
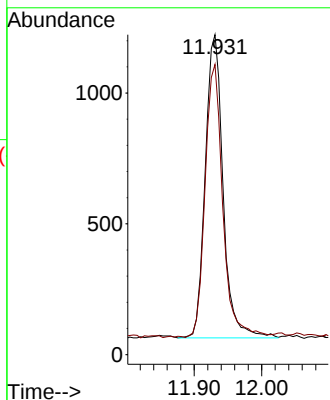
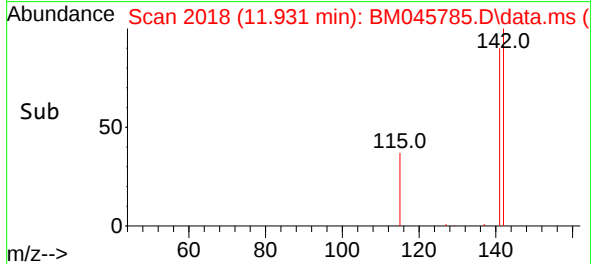
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



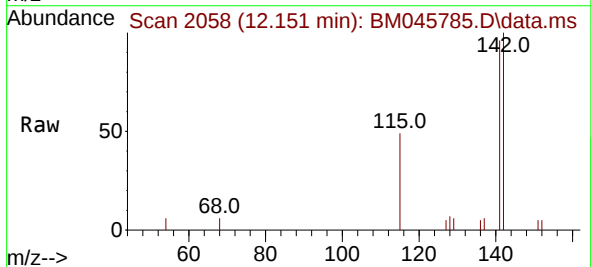
Tgt Ion:142 Resp: 2129
Ion Ratio Lower Upper
142 100
141 89.9 71.9 107.9

Manual Integrations
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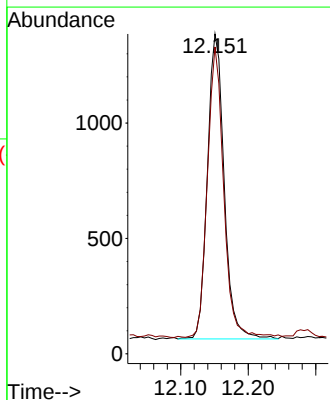
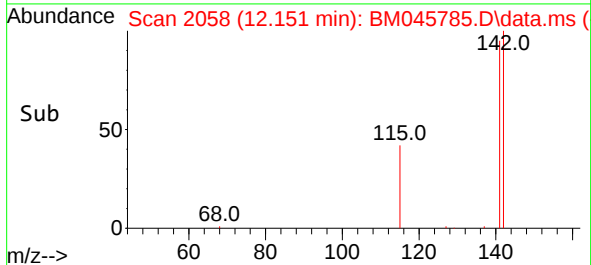
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024

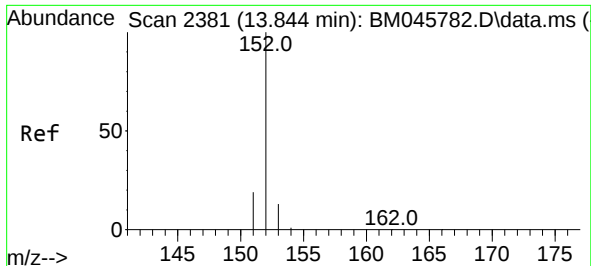


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.151 min Scan# 2058
Delta R.T. -0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31



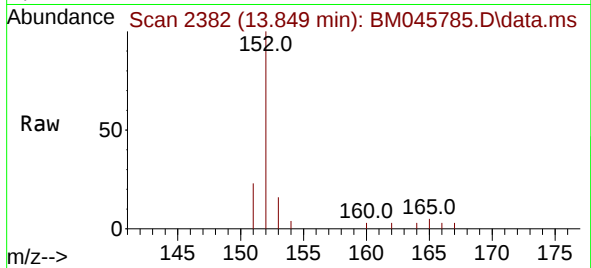
Tgt Ion:142 Resp: 2276
Ion Ratio Lower Upper
142 100
141 92.4 73.3 109.9





#10
Acenaphthylene
Concen: 0.064 ng/ul
RT: 13.849 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

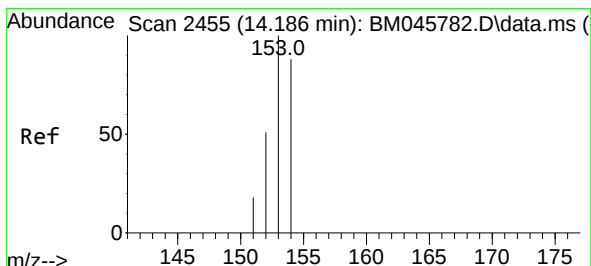
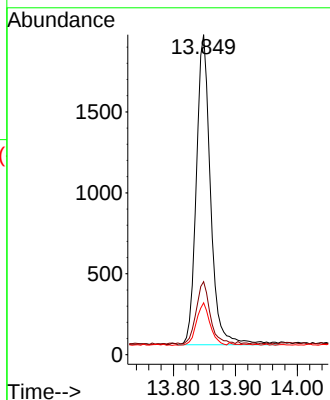
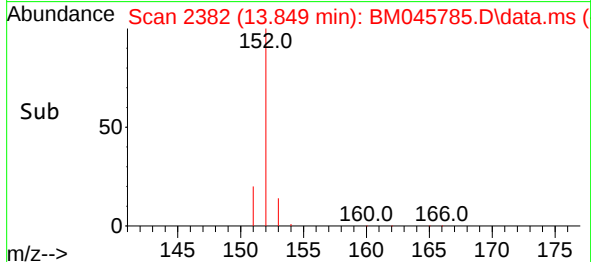
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:152 Resp: 305
Ion Ratio Lower Upper
152 100
151 22.8 16.2 24.4
153 16.2 10.8 16.2

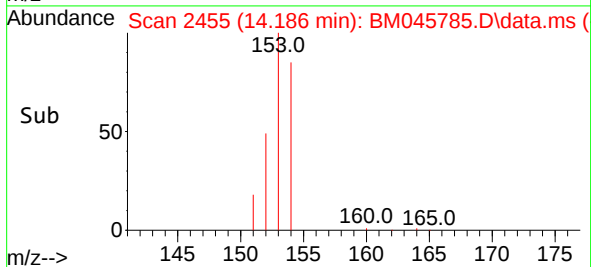
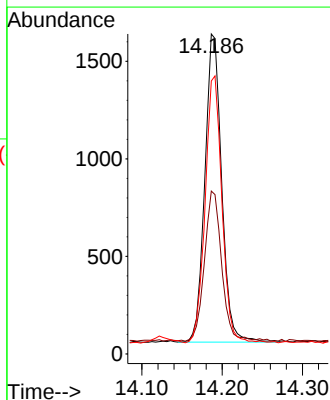
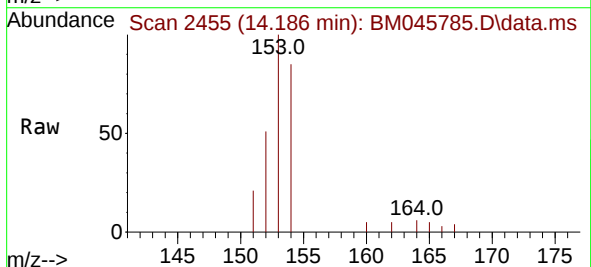
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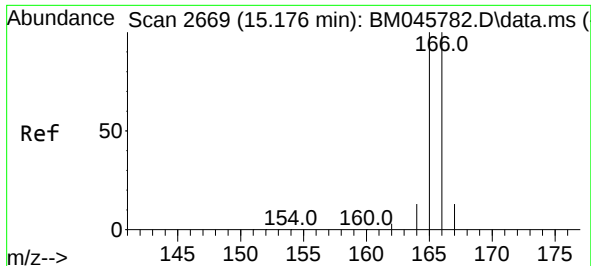
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#11
Acenaphthene
Concen: 0.066 ng/ul
RT: 14.186 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

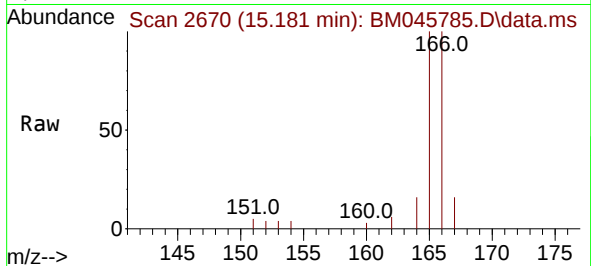
Tgt Ion:153 Resp: 2295
Ion Ratio Lower Upper
153 100
152 50.9 39.7 59.5
154 85.3 70.2 105.4





#12
Fluorene
Concen: 0.063 ng/ul
RT: 15.181 min Scan# 2670
Delta R.T. -0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

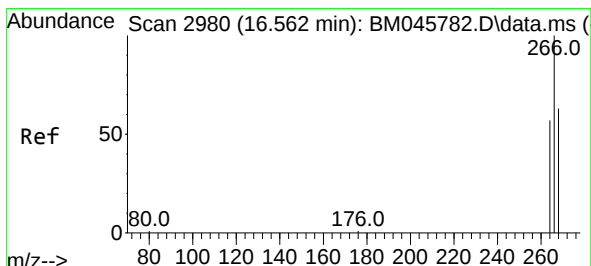
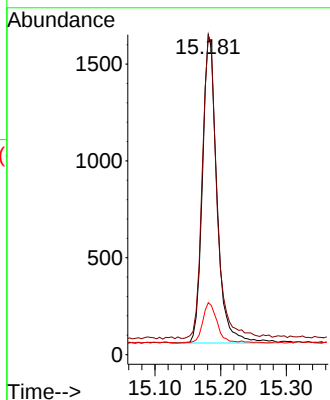
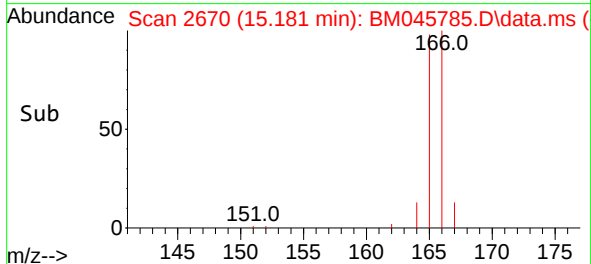
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:166 Resp: 2434
Ion Ratio Lower Upper
166 100
165 99.8 79.5 119.3
167 16.2 11.2 16.8

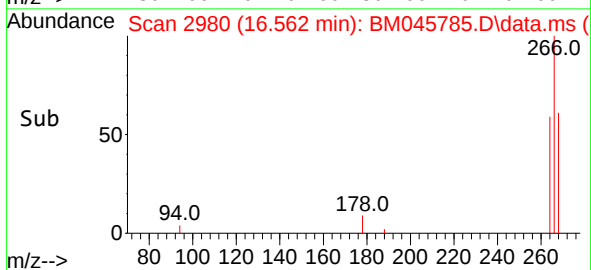
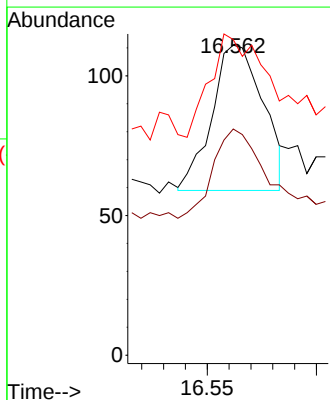
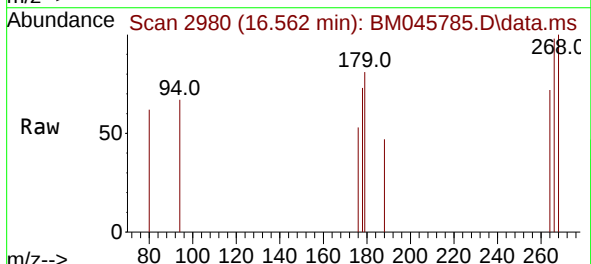
Manual Integrations
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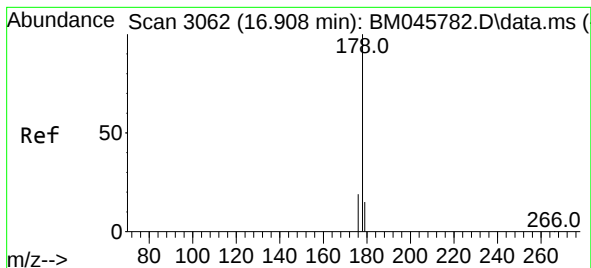
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#14
Pentachlorophenol
Concen: 0.082 ng/ul m
RT: 16.562 min Scan# 2980
Delta R.T. -0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

Tgt Ion:266 Resp: 85
Ion Ratio Lower Upper
266 100
264 74.1 48.1 72.1#
268 116.5 50.2 75.2#





#15

Phenanthrene

Concen: 0.063 ng/ul

RT: 16.912 min Scan# 3063

Delta R.T. -0.001 min

Lab File: BM045785.D

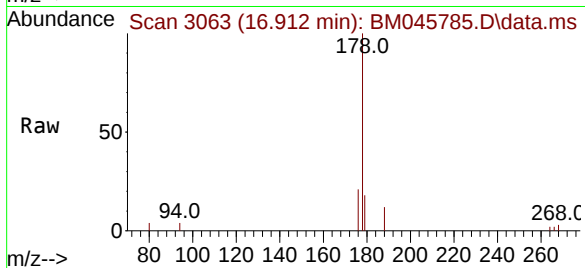
Acq: 30 May 2024 12:31

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2024-04



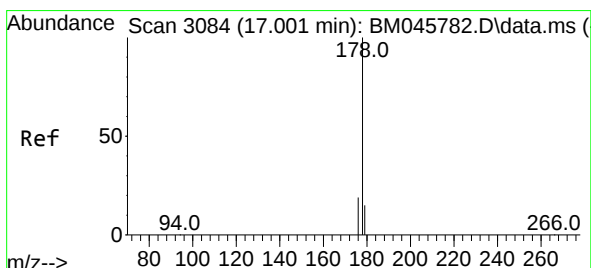
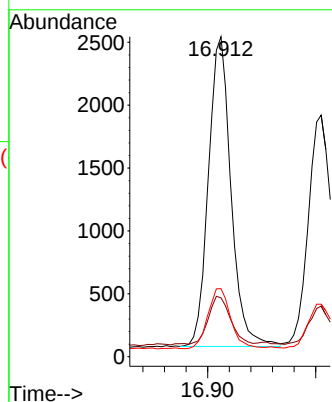
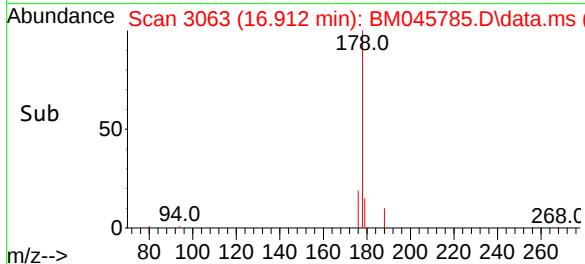
Tgt Ion:	178	Resp:	357
Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.6	19.0
176	21.3	15.6	23.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#16

Anthracene

Concen: 0.057 ng/ul m

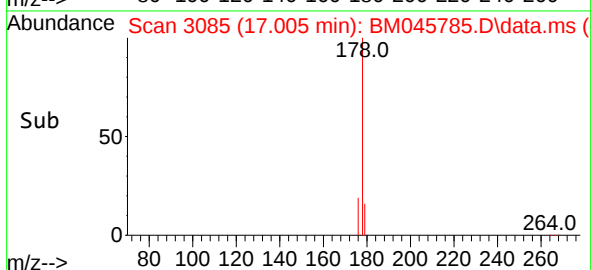
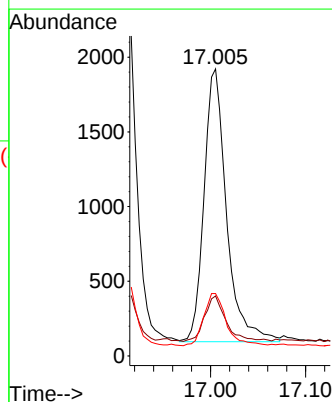
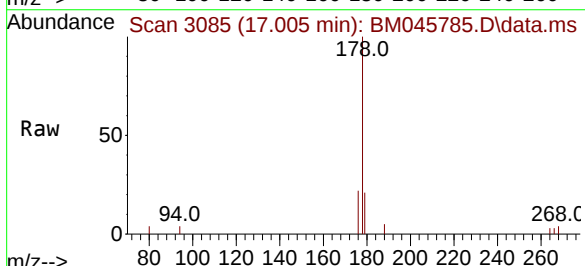
RT: 17.005 min Scan# 3085

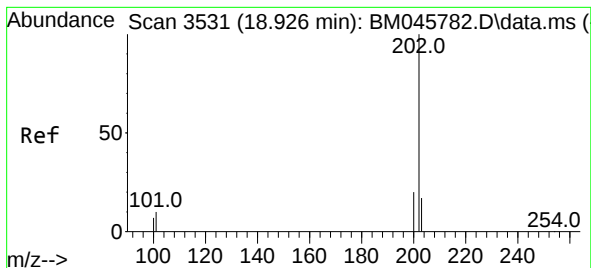
Delta R.T. -0.001 min

Lab File: BM045785.D

Acq: 30 May 2024 12:31

Tgt Ion:	178	Resp:	2997
Ion	Ratio	Lower	Upper
178	100		
179	20.9	12.9	19.3#
176	21.8	14.7	22.1





#19

Fluoranthene

Concen: 0.069 ng/u1

RT: 18.931 min Scan# 3531

Delta R.T. -0.001 min

Lab File: BM045785.D

Acq: 30 May 2024 12:31

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2024-04

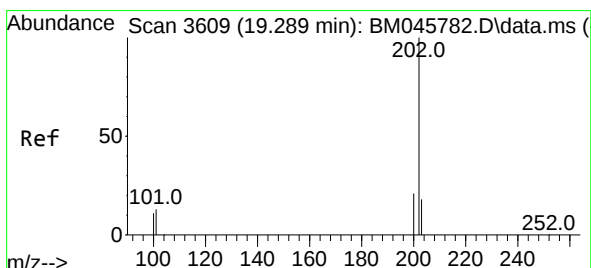
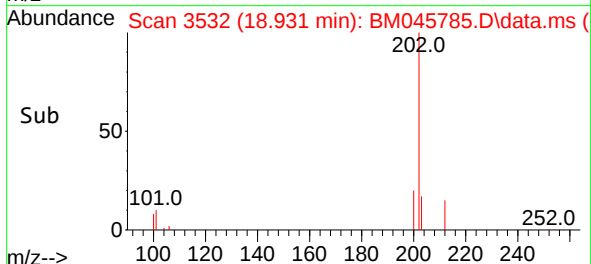
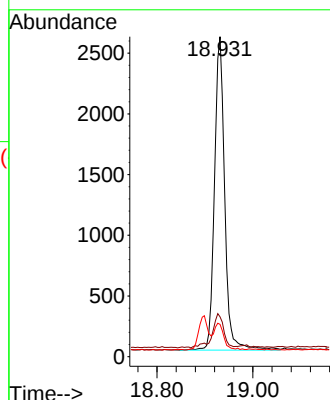
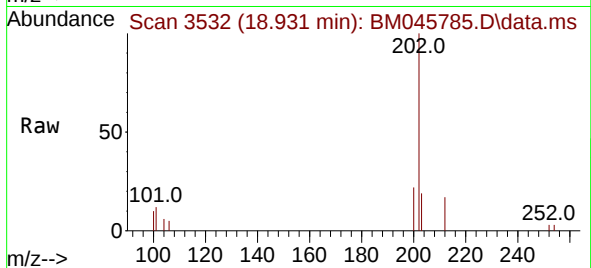
Tgt Ion:	202	Resp:	380
Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.9	13.3
100	10.1	6.7	10.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#20

Pyrene

Concen: 0.067 ng/u1

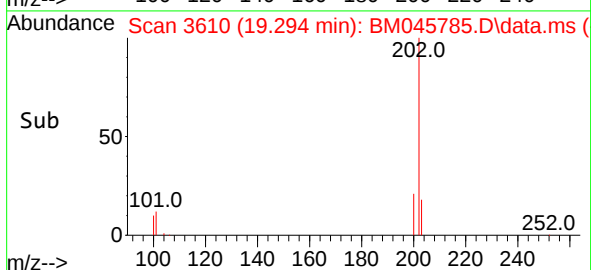
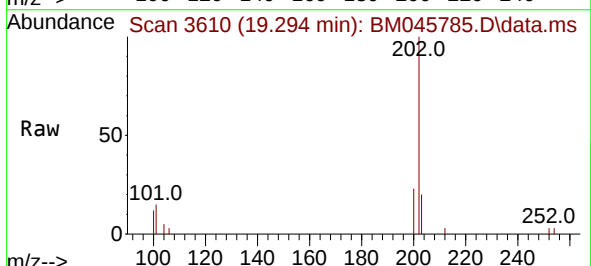
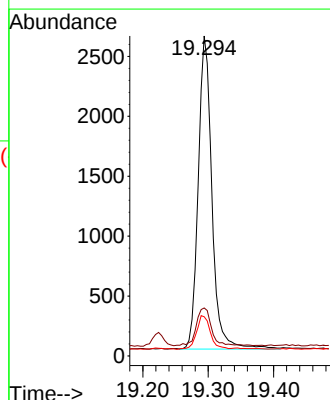
RT: 19.294 min Scan# 3610

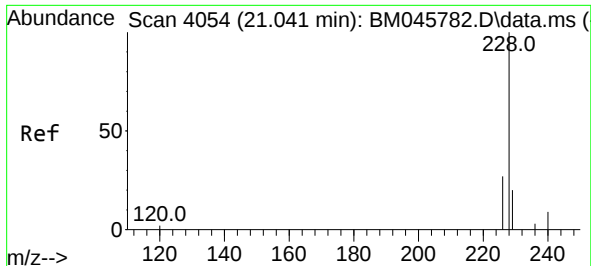
Delta R.T. -0.001 min

Lab File: BM045785.D

Acq: 30 May 2024 12:31

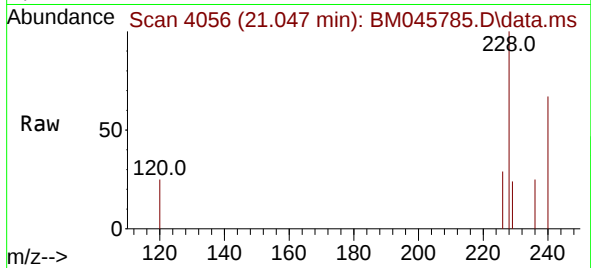
Tgt Ion:	202	Resp:	3796
Ion	Ratio	Lower	Upper
202	100		
101	15.0	10.5	15.7
100	12.3	8.6	12.8





#21
Benzo(a)anthracene
Concen: 0.059 ng/ul
RT: 21.047 min Scan# 4054
Delta R.T. 0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

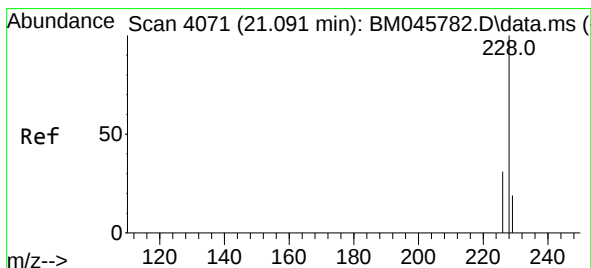
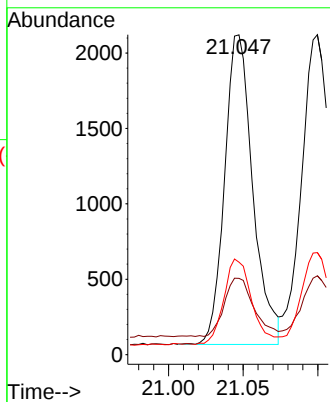
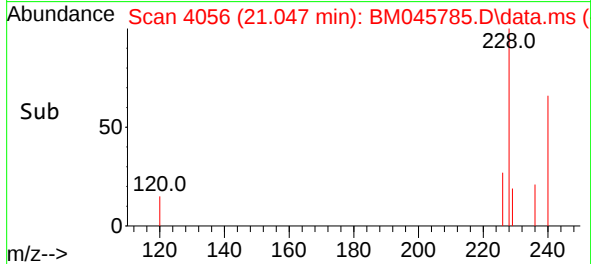
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:228 Resp: 2702
Ion Ratio Lower Upper
228 100
229 23.9 16.6 25.0
226 28.9 21.8 32.6

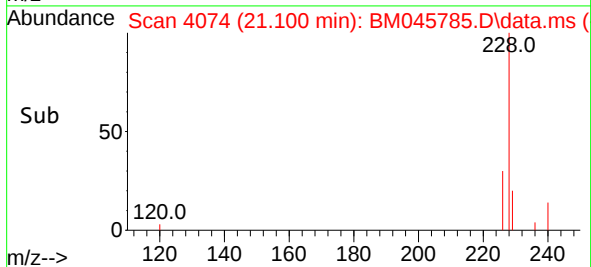
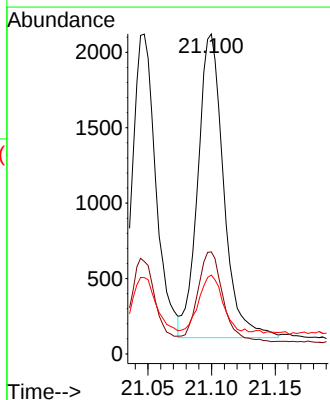
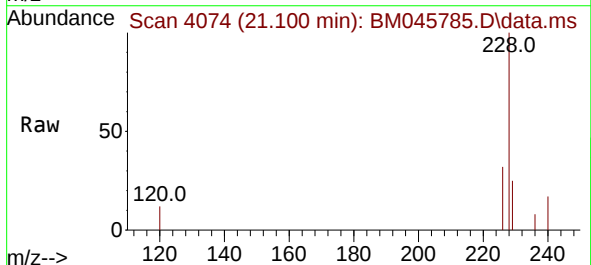
Manual Integrations
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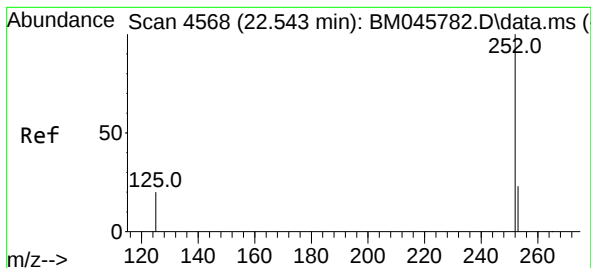
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#22
Chrysene
Concen: 0.060 ng/ul m
RT: 21.100 min Scan# 4074
Delta R.T. 0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

Tgt Ion:228 Resp: 2837
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 24.6 16.3 24.5#





#24

Benzo(b)fluoranthene

Concen: 0.064 ng/ul

RT: 22.555 min Scan# 4572

Delta R.T. 0.004 min

Lab File: BM045785.D

Acq: 30 May 2024 12:31

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2024-04

Tgt Ion:252 Resp: 299

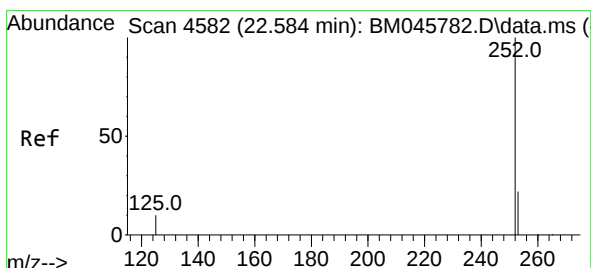
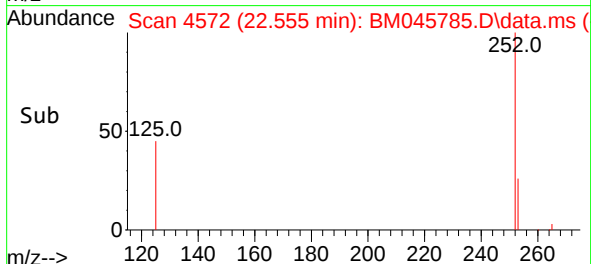
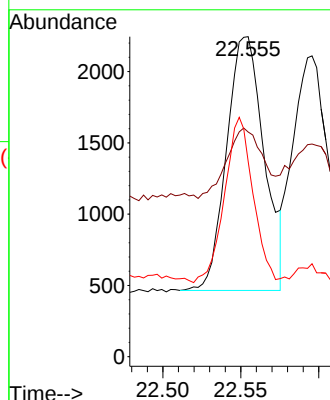
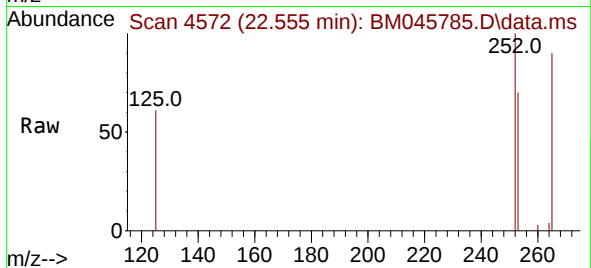
Ion	Ratio	Lower	Upper
252	100		
253	70.2	0.0	71.4
125	61.0	0.0	49.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#25

Benzo(k)fluoranthene

Concen: 0.067 ng/ul

RT: 22.596 min Scan# 4586

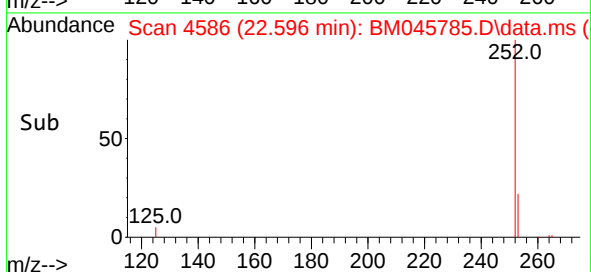
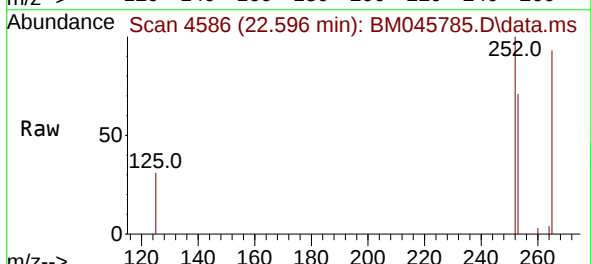
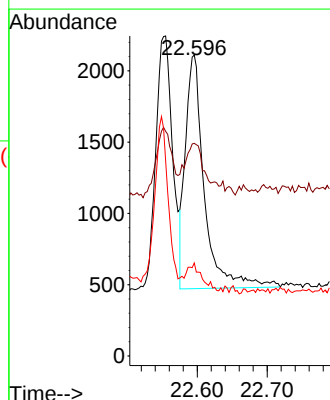
Delta R.T. 0.004 min

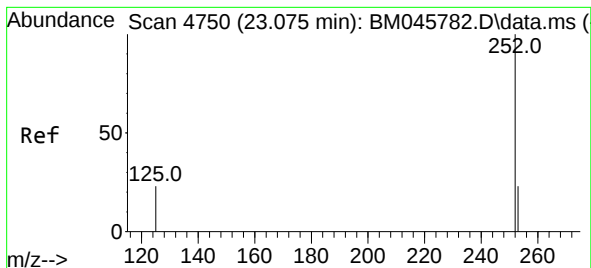
Lab File: BM045785.D

Acq: 30 May 2024 12:31

Tgt Ion:252 Resp: 3083

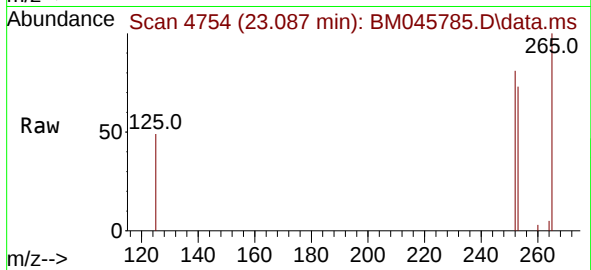
Ion	Ratio	Lower	Upper
252	100		
253	70.7	29.4	44.0#
125	30.9	12.6	18.8#





#26
Benzo(a)pyrene
Concen: 0.068 ng/ul
RT: 23.087 min Scan# 4754
Delta R.T. 0.004 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

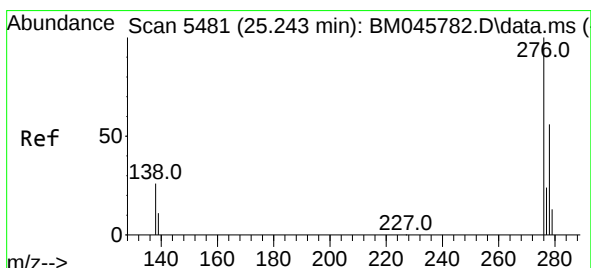
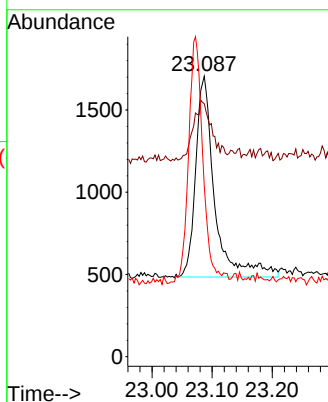
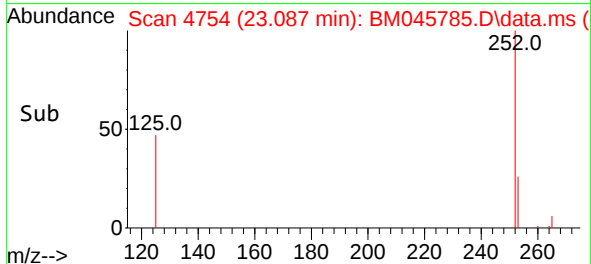
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:252 Resp: 2670
Ion Ratio Lower Upper
252 100
253 90.2 34.3 51.5
125 60.7 25.7 38.5

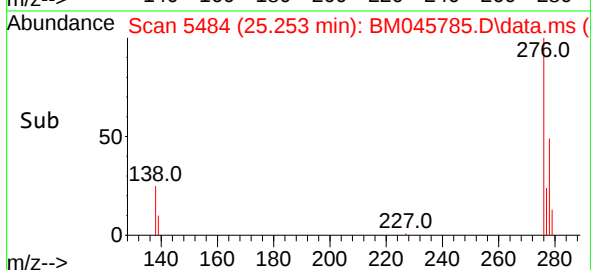
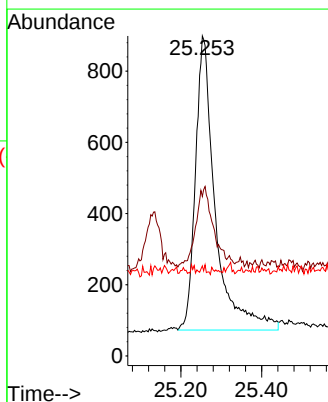
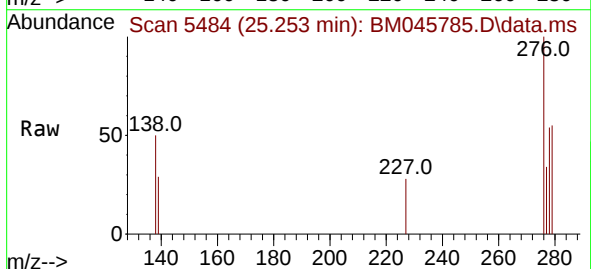
Manual Integrations
APPROVED

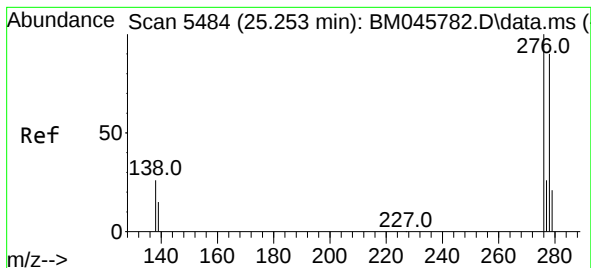
Reviewed By :Yogesh Patel 06/01/2024
Supervised By :mohammad ahmed 06/01/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng/ul
RT: 25.253 min Scan# 5484
Delta R.T. 0.001 min
Lab File: BM045785.D
Acq: 30 May 2024 12:31

Tgt Ion:276 Resp: 2810
Ion Ratio Lower Upper
276 100
138 27.1 19.8 29.8
227 0.7 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.064 ng/ul

RT: 25.270 min Scan# 5484

Delta R.T. 0.001 min

Lab File: BM045785.D

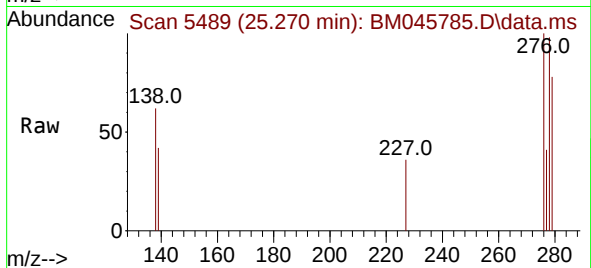
Acq: 30 May 2024 12:31

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2024-04



Tgt Ion:278 Resp: 2060

Ion Ratio Lower Upper

278 100

139 42.7 18.7 28.1

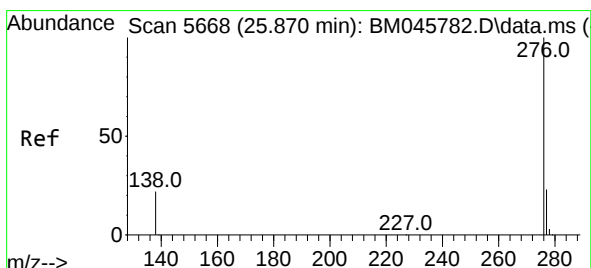
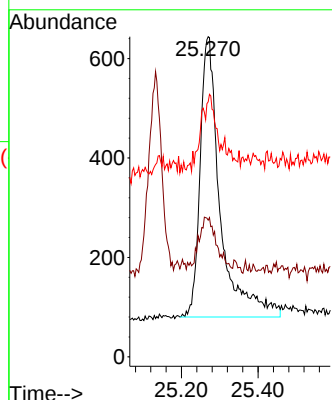
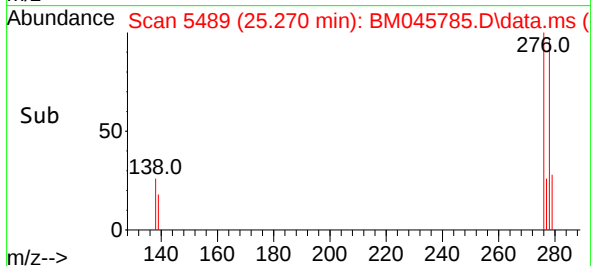
279 79.7 31.0 46.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/01/2024

Supervised By :mohammad ahmed 06/01/2024



#29

Benzo(g,h,i)perylene

Concen: 0.065 ng/ul

RT: 25.880 min Scan# 5671

Delta R.T. -0.003 min

Lab File: BM045785.D

Acq: 30 May 2024 12:31

Tgt Ion:276 Resp: 2837

Ion Ratio Lower Upper

276 100

138 48.2 23.4 35.0#

277 34.9 21.0 31.4#

