

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
 Data File : BM047642.D
 Acq On : 26 Sep 2024 12:42
 Operator : RC/JU
 Sample : P3391-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/27/2024
 Supervised By :mohammad ahmed 09/28/2024

Quant Time: Sep 26 13:12:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 16:27:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	5170	0.400	ng/ul	0.00
4) Naphthalene-d8	10.623	136	14532	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.456	164	6921	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.192	188	14277	0.400	ng/ul	0.00
17) Chrysene-d12	21.356	240	11186	0.400	ng/ul	0.00
23) Perylene-d12	23.636	264	12656	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	3550	0.534	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	7541	0.389	ng/ul	0.00
18) Fluoranthene-d10	19.211	212	13860	0.405	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.307	88	776m	0.098	ng/ul	
5) Naphthalene	10.667	128	2951	0.074	ng/ul#	92
7) 2-Methylnaphthalene	12.284	142	1648	0.069	ng/ul	99
8) 1-Methylnaphthalene	12.504	142	1690	0.068	ng/ul	99
10) Acenaphthylene	14.178	152	2437	0.072	ng/ul#	93
11) Acenaphthene	14.521	153	1690	0.073	ng/ul	98
12) Fluorene	15.506	166	1749	0.067	ng/ul#	97
14) Pentachlorophenol	16.846	266	491	0.114	ng/ul	97
15) Phenanthrene	17.234	178	2760	0.065	ng/ul#	92
16) Anthracene	17.327	178	2367	0.063	ng/ul#	89
19) Fluoranthene	19.244	202	3278	0.070	ng/ul#	93
20) Pyrene	19.602	202	3418	0.068	ng/ul#	92
21) Benzo(a)anthracene	21.341	228	3005	0.064	ng/ul	96
22) Chrysene	21.391	228	3231	0.066	ng/ul	98
24) Benzo(b)fluoranthene	22.946	252	3748	0.068	ng/ul#	35
25) Benzo(k)fluoranthene	22.993	252	3841	0.069	ng/ul#	49
26) Benzo(a)pyrene	23.533	252	3271	0.075	ng/ul#	3
27) Indeno(1,2,3-cd)pyrene	25.957	276	4560	0.066	ng/ul#	48
28) Dibenzo(a,h)anthracene	25.970	278	3455	0.066	ng/ul#	67
29) Benzo(g,h,i)perylene	26.661	276	3877	0.070	ng/ul#	87

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

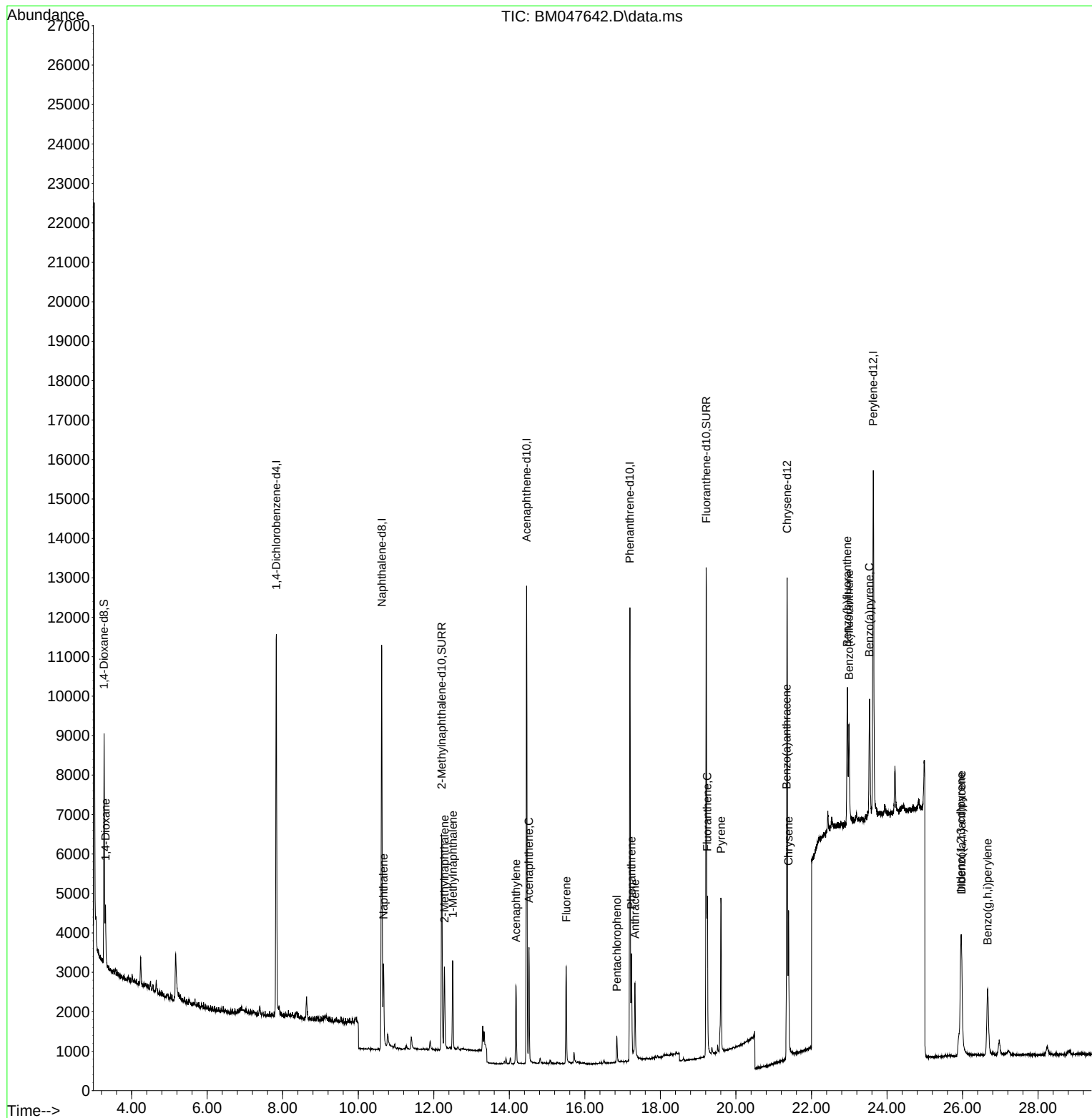
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
Data File : BM047642.D
Acq On : 26 Sep 2024 12:42
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Sample : P3391-03
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ALS Vial : 6 Sample Multiplier: 1

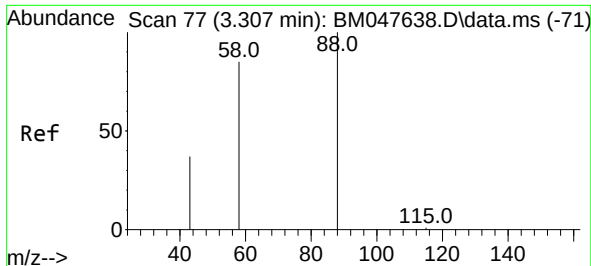
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05

Quant Time: Sep 26 13:12:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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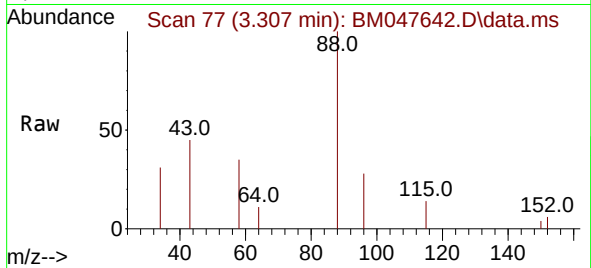
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024





#2
1,4-Dioxane
Concen: 0.098 ng/ul m
RT: 3.307 min Scan# 77
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

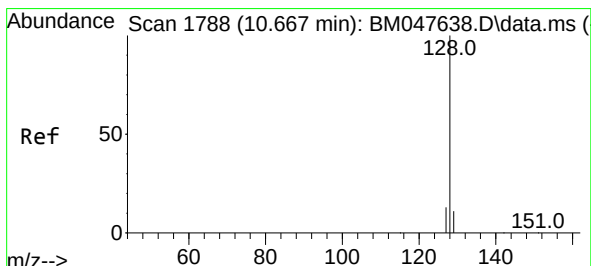
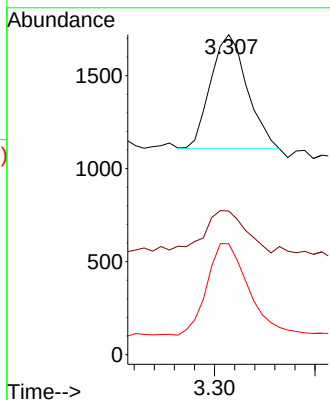
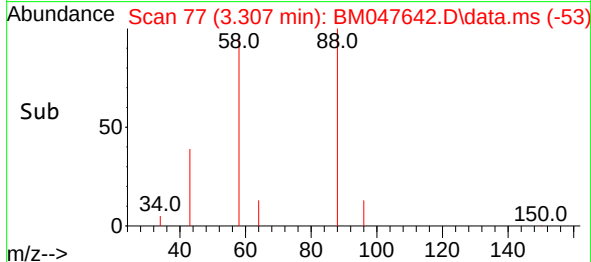
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



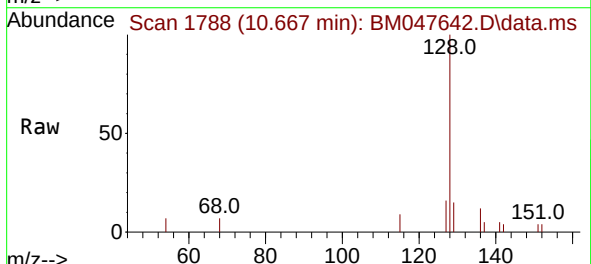
Tgt Ion: 88 Resp: 770
Ion Ratio Lower Upper
88 100
43 44.9 30.9 46.3
58 34.7 42.5 63.7

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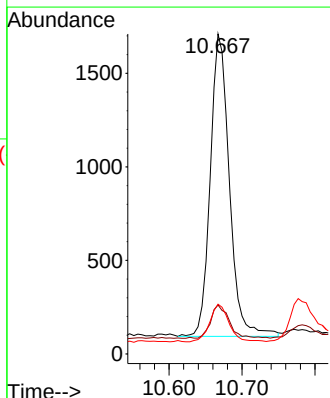
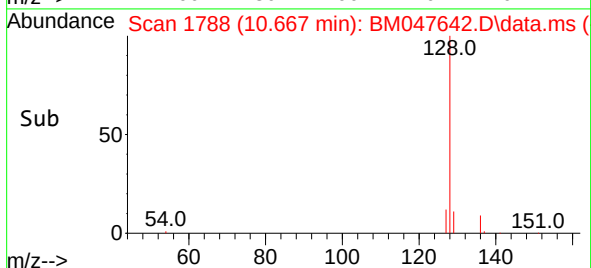
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

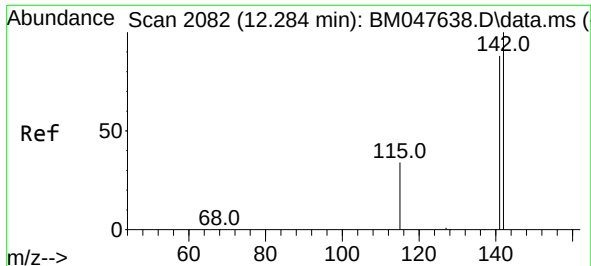


#5
Naphthalene
Concen: 0.074 ng/ul
RT: 10.667 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42



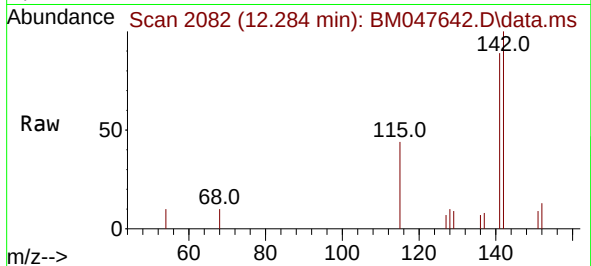
Tgt Ion:128 Resp: 2951
Ion Ratio Lower Upper
128 100
129 15.3 9.2 13.8#
127 15.6 10.4 15.6





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.284 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

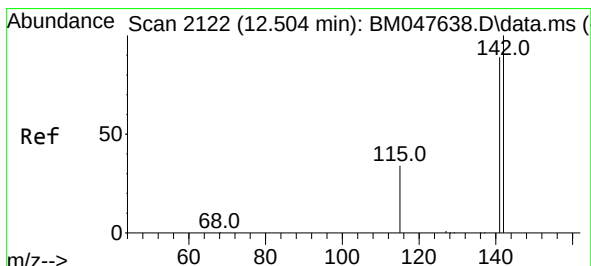
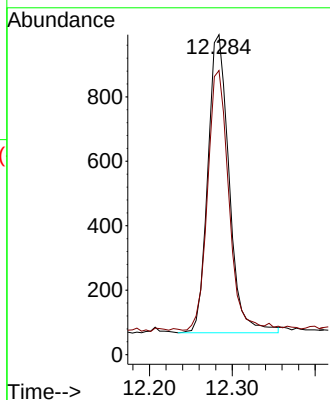
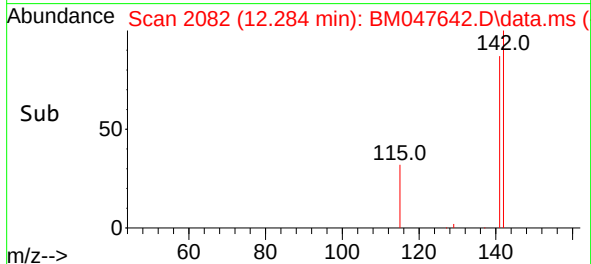
Instrument :
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ClientSampleId :
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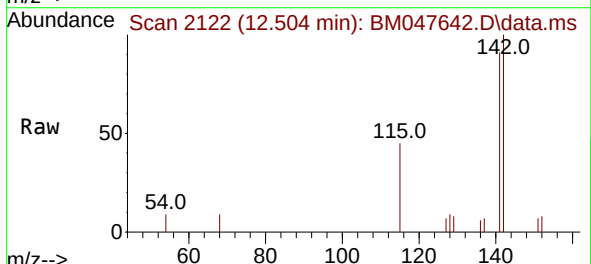
Tgt Ion:142 Resp: 1648
Ion Ratio Lower Upper
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141 87.0 70.5 105.7

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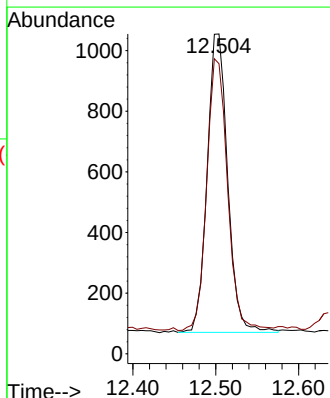
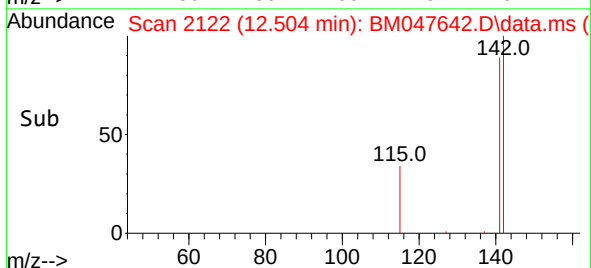
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

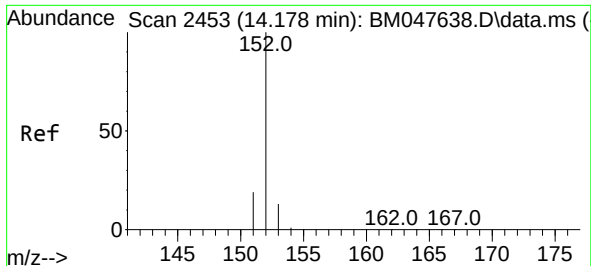


#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.504 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42



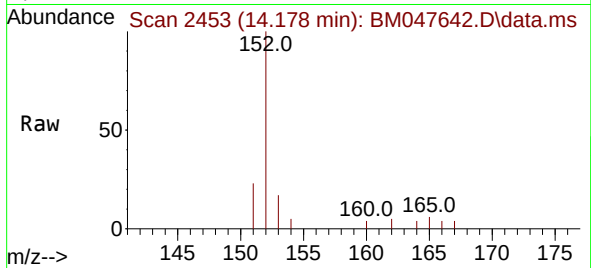
Tgt Ion:142 Resp: 1690
Ion Ratio Lower Upper
142 100
141 92.4 72.9 109.3





#10
Acenaphthylene
Concen: 0.072 ng/u1
RT: 14.178 min Scan# 2453
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

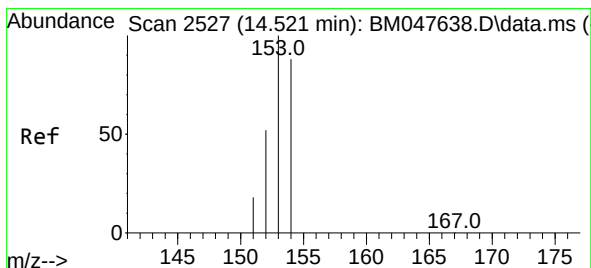
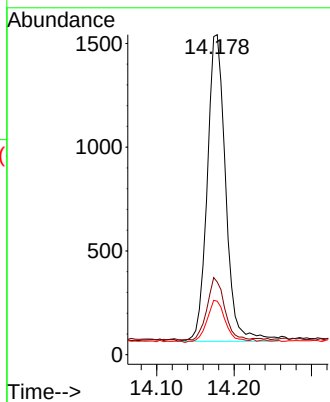
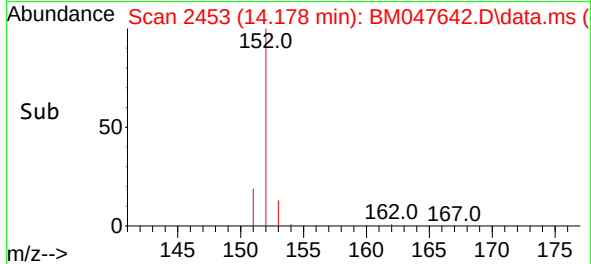
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:152 Resp: 2437
Ion Ratio Lower Upper
152 100
151 22.7 16.1 24.1
153 16.7 10.7 16.1

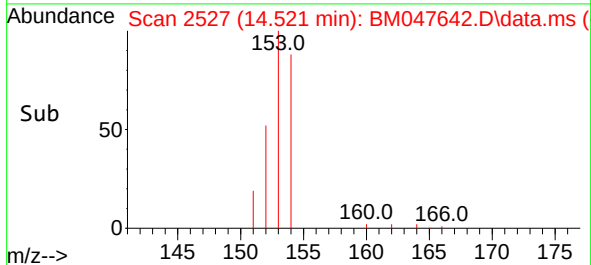
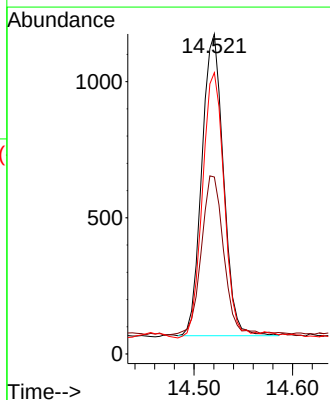
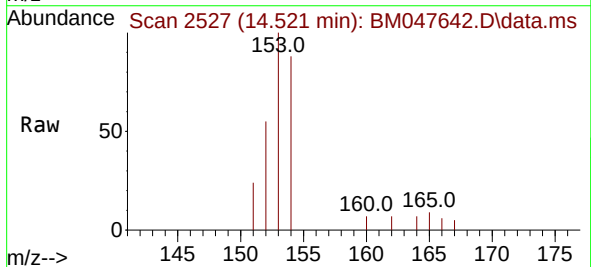
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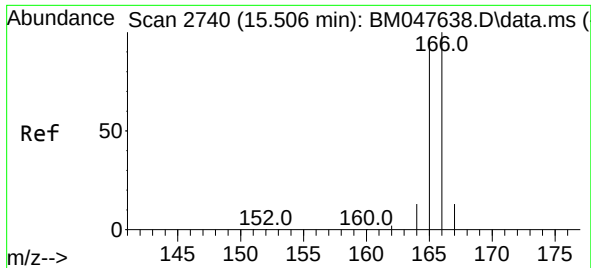
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#11
Acenaphthene
Concen: 0.073 ng/u1
RT: 14.521 min Scan# 2527
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

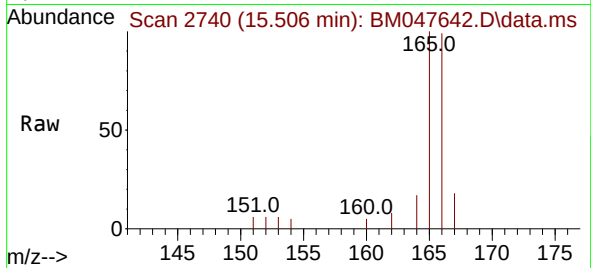
Tgt Ion:153 Resp: 1690
Ion Ratio Lower Upper
153 100
152 55.3 41.7 62.5
154 87.9 71.2 106.8





#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.506 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

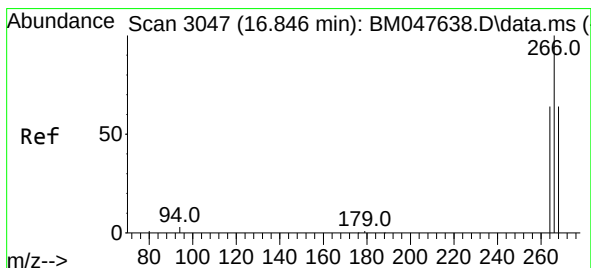
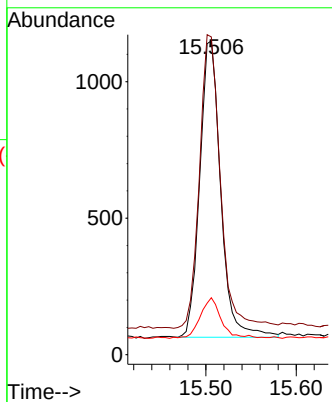
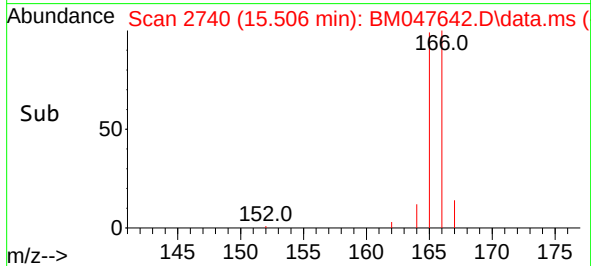
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:166 Resp: 1749
Ion Ratio Lower Upper
166 100
165 101.3 79.4 119.2
167 18.2 11.4 17.0

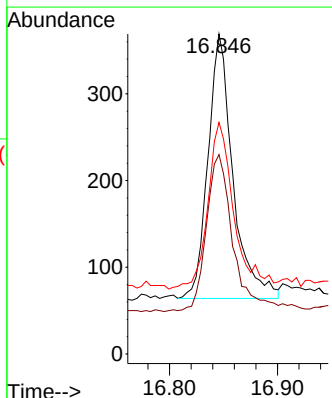
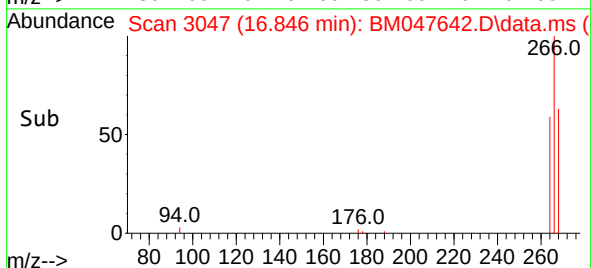
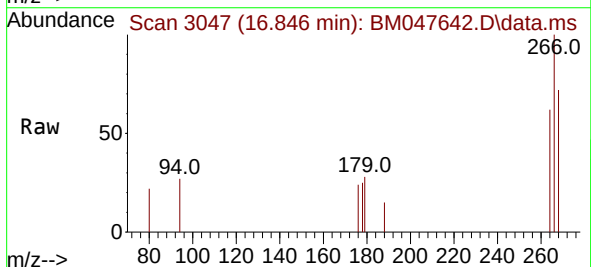
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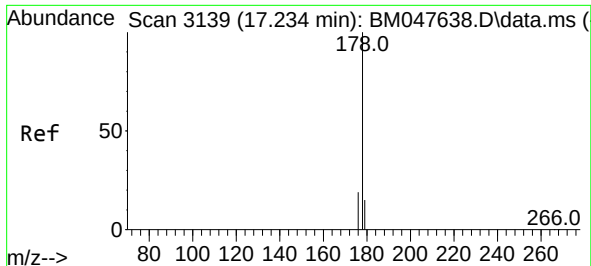
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#14
Pentachlorophenol
Concen: 0.114 ng/ul
RT: 16.846 min Scan# 3047
Delta R.T. -0.004 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

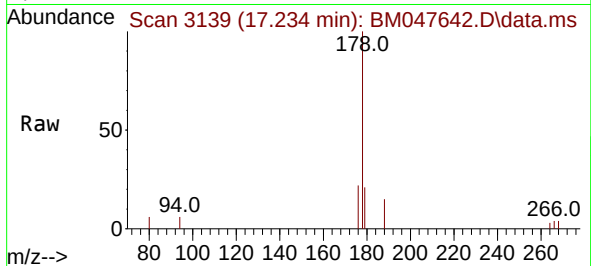
Tgt Ion:266 Resp: 491
Ion Ratio Lower Upper
266 100
264 65.0 49.8 74.8
268 65.6 51.2 76.8





#15
Phenanthrene
Concen: 0.065 ng/u1
RT: 17.234 min Scan# 3139
Delta R.T. -0.004 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

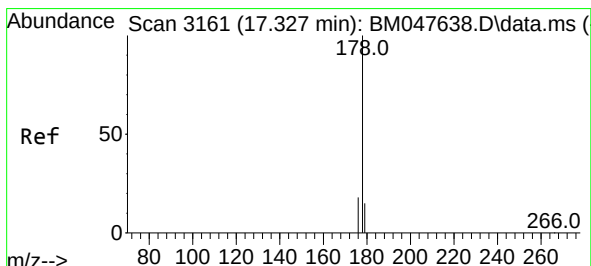
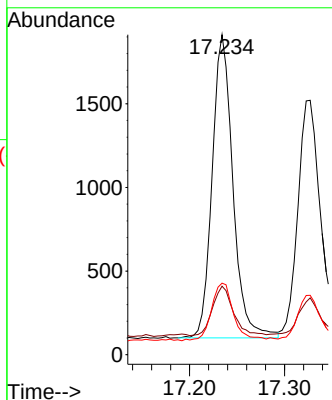
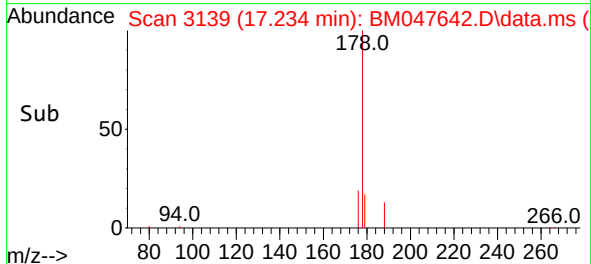
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:178 Resp: 2760
Ion Ratio Lower Upper
178 100
179 21.4 13.0 19.6#
176 22.4 15.9 23.9#

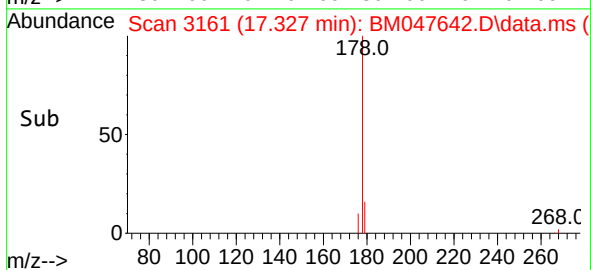
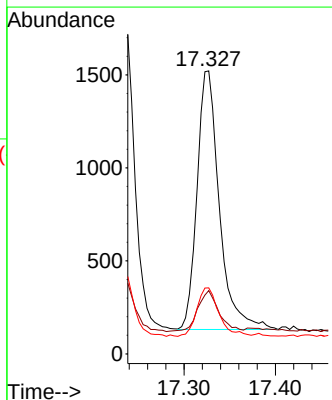
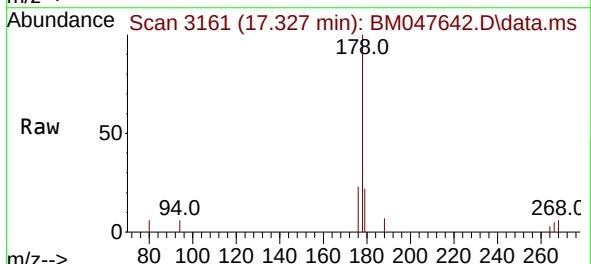
Manual Integrations
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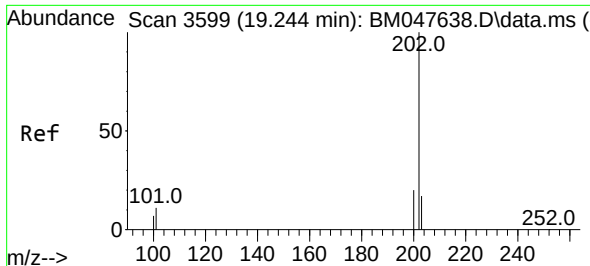
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.327 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

Tgt Ion:178 Resp: 2367
Ion Ratio Lower Upper
178 100
179 22.4 13.0 19.4#
176 23.3 15.4 23.2#





#19

Fluoranthene

Concen: 0.070 ng/u1

RT: 19.244 min Scan# 3599

Delta R.T. -0.000 min

Lab File: BM047642.D

Acq: 26 Sep 2024 12:42

Instrument :

BNA_M

ClientSampleId :

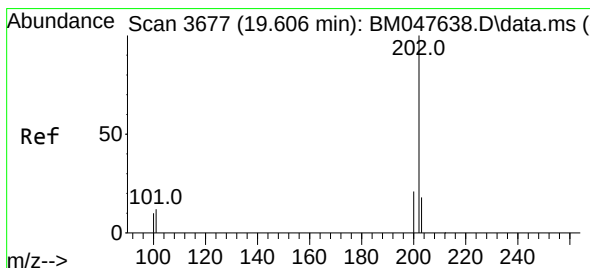
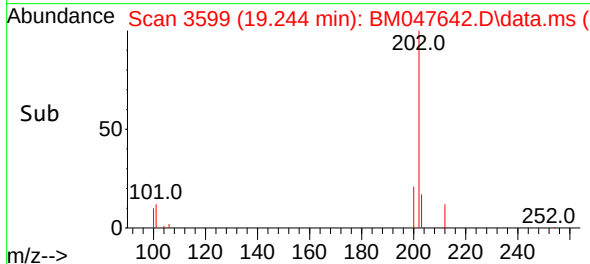
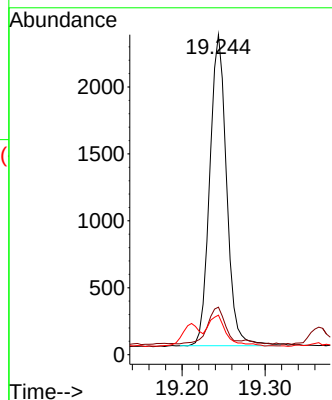
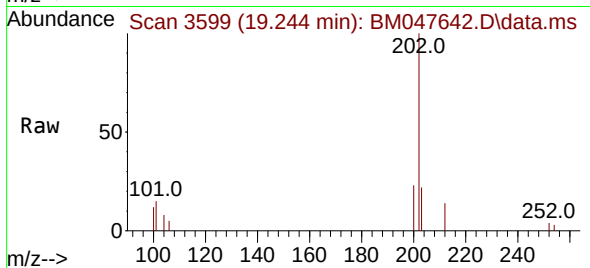
MDL-SOIL-QT3-2024-05

Tgt Ion:202	Resp:	3278
Ion Ratio	Lower	Upper
202	100	
101	14.8	9.8 14.6
100	12.3	7.4 11.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#20

Pyrene

Concen: 0.068 ng/u1

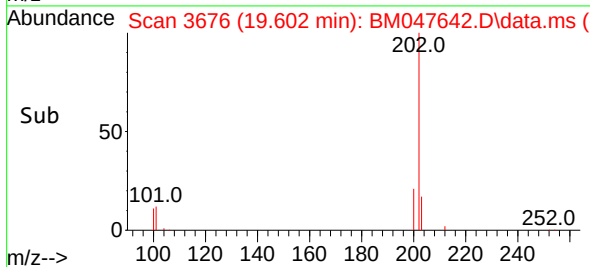
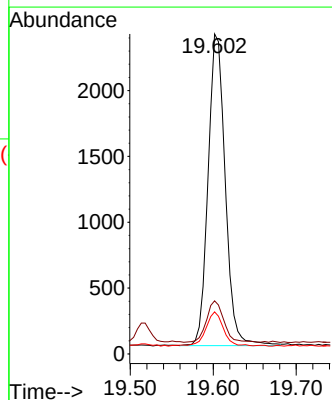
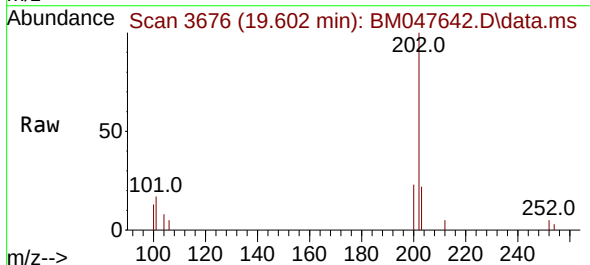
RT: 19.602 min Scan# 3676

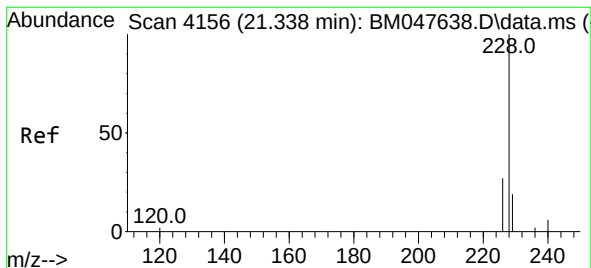
Delta R.T. -0.005 min

Lab File: BM047642.D

Acq: 26 Sep 2024 12:42

Tgt Ion:202	Resp:	3418
Ion Ratio	Lower	Upper
202	100	
101	16.6	10.7 16.1#
100	13.1	8.2 12.2#





#21

Benzo(a)anthracene

Concen: 0.064 ng/ul

RT: 21.341 min Scan# 4156

Delta R.T. -0.000 min

Lab File: BM047642.D

Acq: 26 Sep 2024 12:42

Instrument :

BNA_M

ClientSampleId :

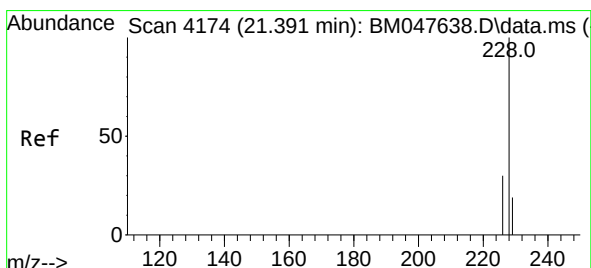
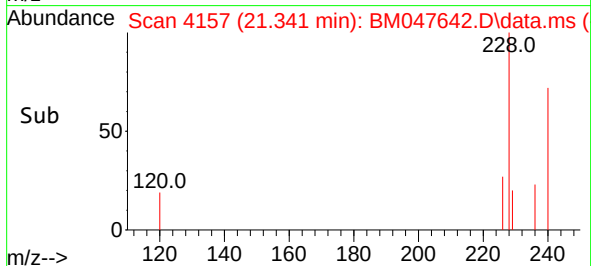
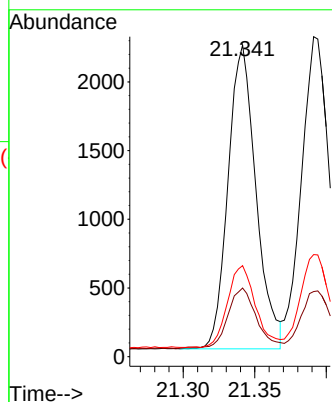
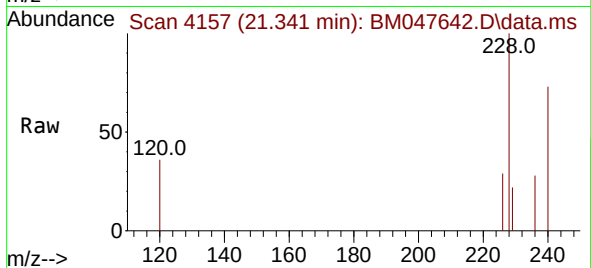
MDL-SOIL-QT3-2024-05

Tgt Ion:228	Resp:	300
Ion Ratio	Lower	Upper
228	100	
229	22.0	15.9 23.9
226	29.2	22.1 33.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#22

Chrysene

Concen: 0.066 ng/ul

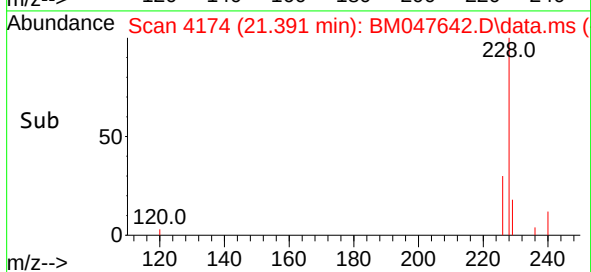
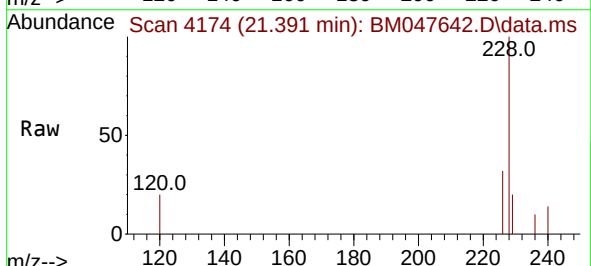
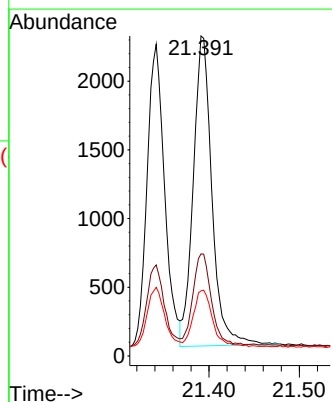
RT: 21.391 min Scan# 4174

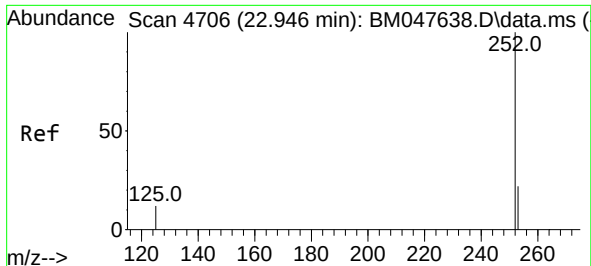
Delta R.T. -0.003 min

Lab File: BM047642.D

Acq: 26 Sep 2024 12:42

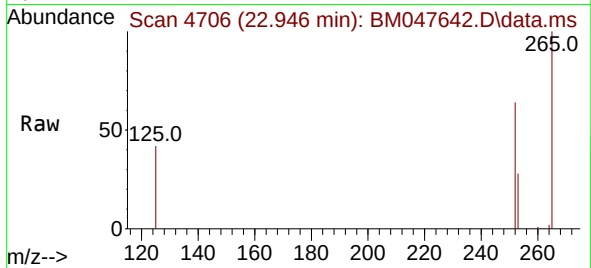
Tgt Ion:228	Resp:	3231
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.4 36.6
229	20.4	15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.068 ng/ul
RT: 22.946 min Scan# 4706
Delta R.T. -0.003 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

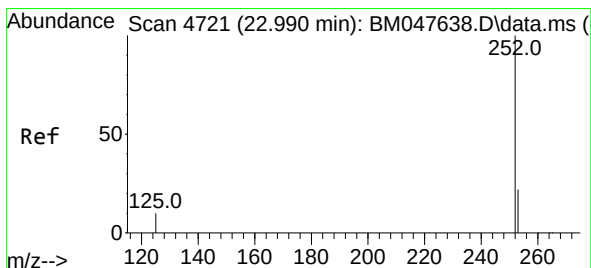
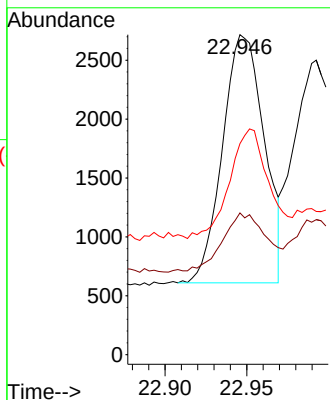
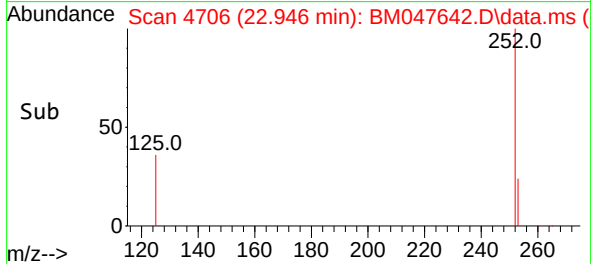
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:252 Resp: 3748
Ion Ratio Lower Upper
252 100
253 44.3 0.0 52.4
125 66.0 0.0 36.4

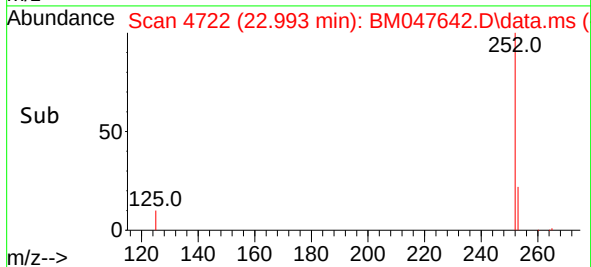
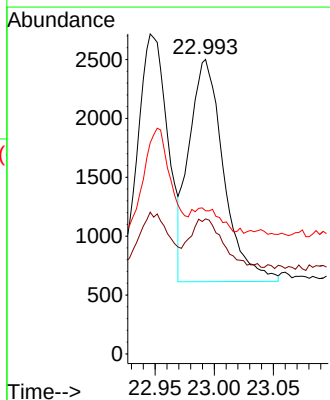
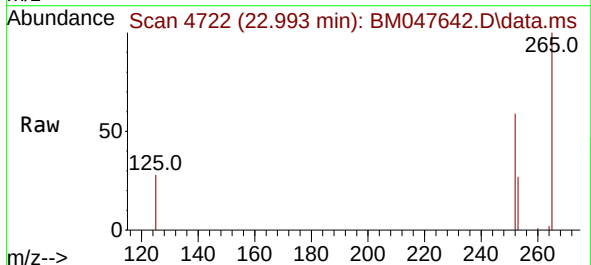
Manual Integrations
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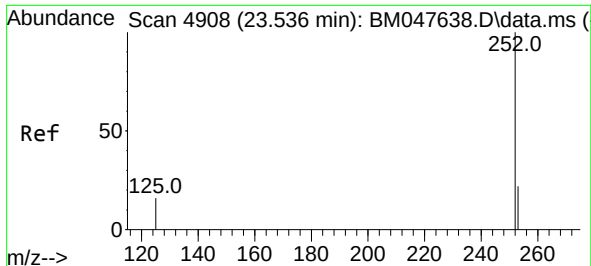
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.069 ng/ul
RT: 22.993 min Scan# 4722
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

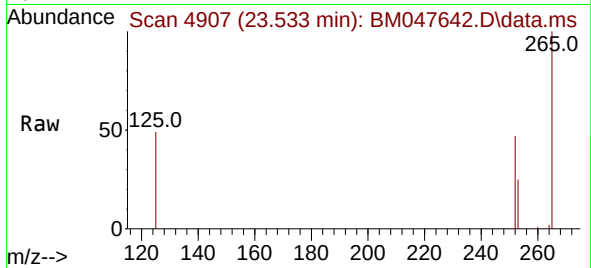
Tgt Ion:252 Resp: 3841
Ion Ratio Lower Upper
252 100
253 45.9 21.0 31.6#
125 48.6 14.6 21.8#





#26
Benzo(a)pyrene
Concen: 0.075 ng/ul
RT: 23.533 min Scan# 4908
Delta R.T. -0.000 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

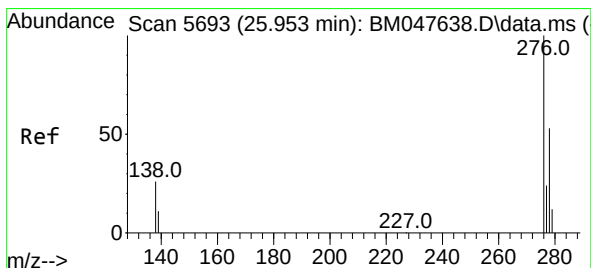
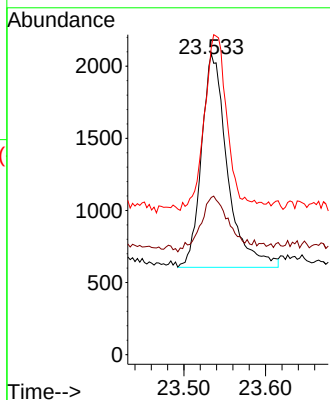
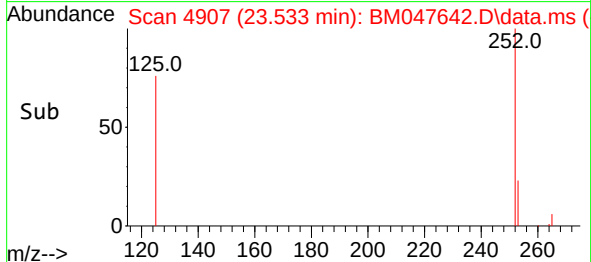
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:252 Resp: 327
Ion Ratio Lower Upper
252 100
253 52.3 23.0 34.4#
125 102.3 18.8 28.2#

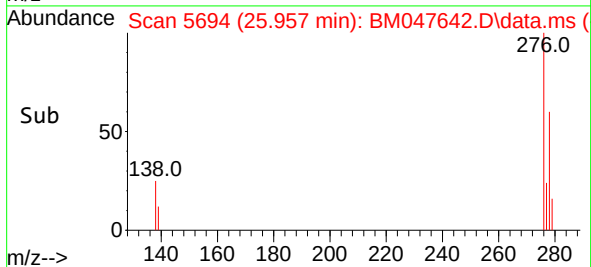
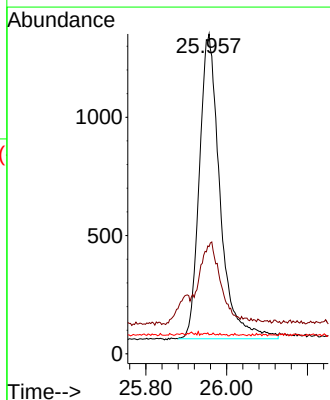
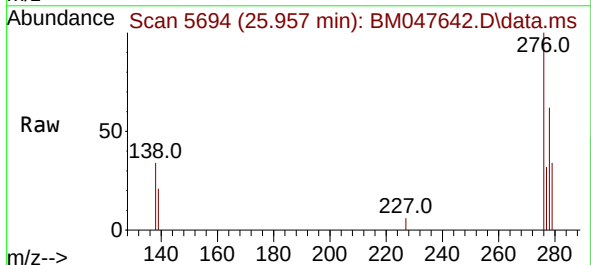
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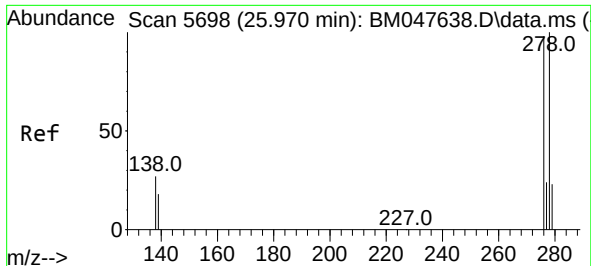
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng/ul
RT: 25.957 min Scan# 5694
Delta R.T. -0.003 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

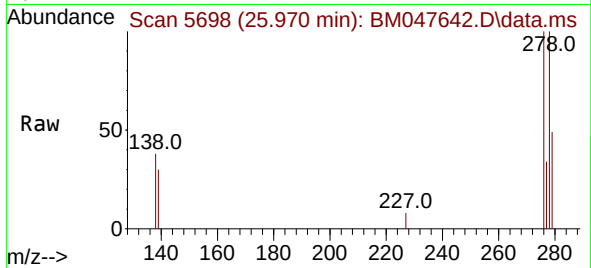
Tgt Ion:276 Resp: 4560
Ion Ratio Lower Upper
276 100
138 0.0 22.0 33.0#
227 0.2 0.2 0.4#





#28
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.970 min Scan# 5698
Delta R.T. -0.003 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

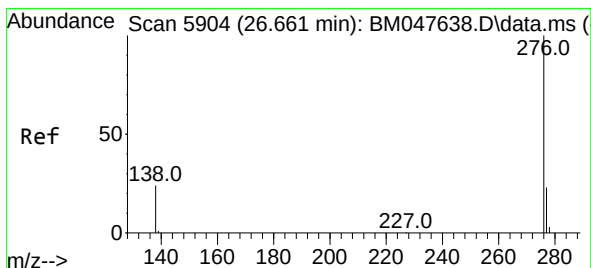
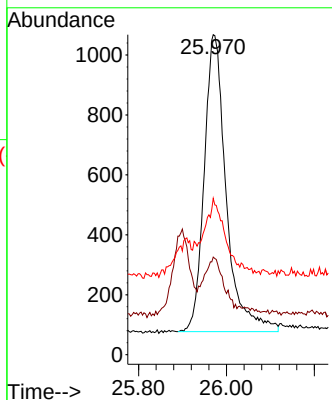
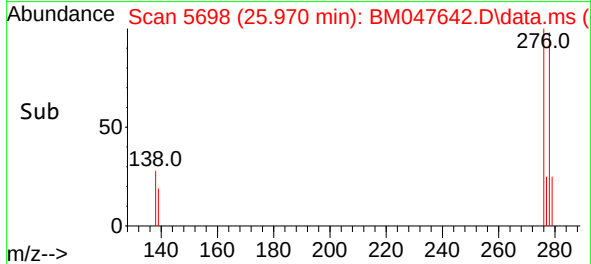
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:278 Resp: 345
Ion Ratio Lower Upper
278 100
139 30.5 16.8 25.2
279 48.9 21.2 31.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#29
Benzo(g,h,i)perylene
Concen: 0.070 ng/ul
RT: 26.661 min Scan# 5904
Delta R.T. -0.007 min
Lab File: BM047642.D
Acq: 26 Sep 2024 12:42

Tgt Ion:276 Resp: 3877
Ion Ratio Lower Upper
276 100
138 32.2 20.2 30.2#
277 31.2 19.8 29.6#

