

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
 Data File : BM047674.D
 Acq On : 27 Sep 2024 11:32
 Operator : RC/JU
 Sample : P3391-04
 Misc : SFAM SIM-MDL-SOIL-02
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 27 12:15:14 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	4371	0.400	ng/ul	0.00
4) Naphthalene-d8	10.616	136	11606	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.455	164	5126	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	9962	0.400	ng/ul	0.00
17) Chrysene-d12	21.356	240	7560	0.400	ng/ul	0.00
23) Perylene-d12	23.633	264	8730	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	3104	0.553	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.206	152	5827	0.376	ng/ul	0.00
18) Fluoranthene-d10	19.210	212	9416	0.407	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.303	88	806m	0.120	ng/ul	
5) Naphthalene	10.666	128	2325	0.073	ng/ul#	91
7) 2-Methylnaphthalene	12.283	142	1279	0.067	ng/ul	100
8) 1-Methylnaphthalene	12.497	142	1301	0.065	ng/ul	100
10) Acenaphthylene	14.172	152	1731	0.069	ng/ul#	90
11) Acenaphthene	14.515	153	1272	0.074	ng/ul	98
12) Fluorene	15.500	166	1289	0.067	ng/ul#	93
14) Pentachlorophenol	16.844	266	358	0.120	ng/ul	92
15) Phenanthrene	17.233	178	1943	0.066	ng/ul#	89
16) Anthracene	17.326	178	1614	0.061	ng/ul#	86
19) Fluoranthene	19.242	202	2274	0.071	ng/ul#	93
20) Pyrene	19.600	202	2342	0.069	ng/ul#	91
21) Benzo(a)anthracene	21.339	228	1983	0.062	ng/ul	92
22) Chrysene	21.392	228	2227	0.067	ng/ul	96
24) Benzo(b)fluoranthene	22.946	252	2803	0.074	ng/ul#	27
25) Benzo(k)fluoranthene	22.990	252	2590	0.068	ng/ul#	47
26) Benzo(a)pyrene	23.534	252	2198	0.073	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.957	276	3425	0.072	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.970	278	2537	0.071	ng/ul#	70
29) Benzo(g,h,i)perylene	26.665	276	2946	0.077	ng/ul#	87

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

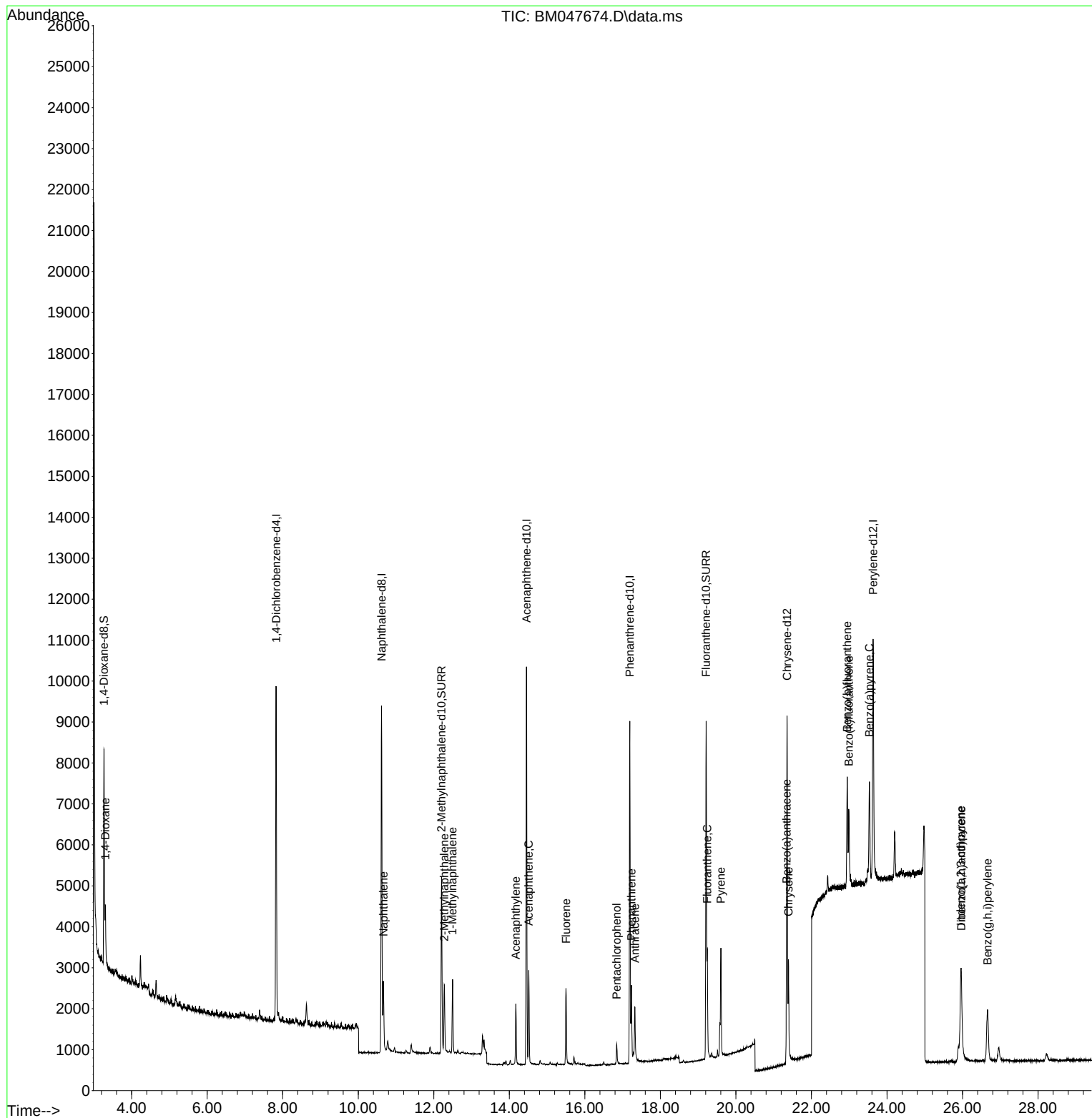
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092624\
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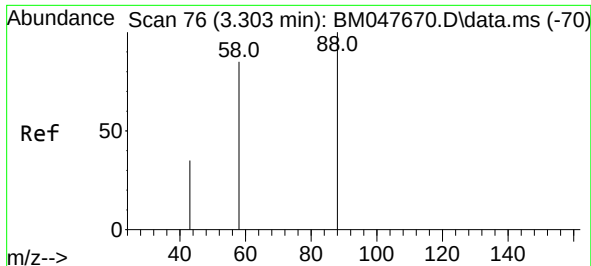
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06

Quant Time: Sep 27 12:15:14 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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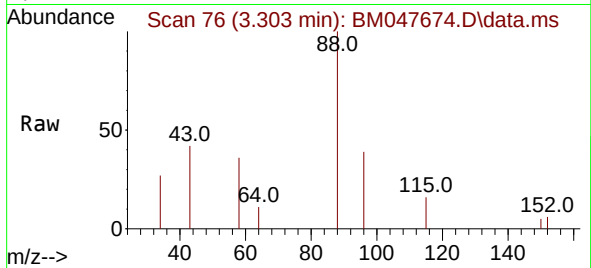
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024





#2
1,4-Dioxane
Concen: 0.120 ng/ul m
RT: 3.303 min Scan# 76
Delta R.T. -0.004 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

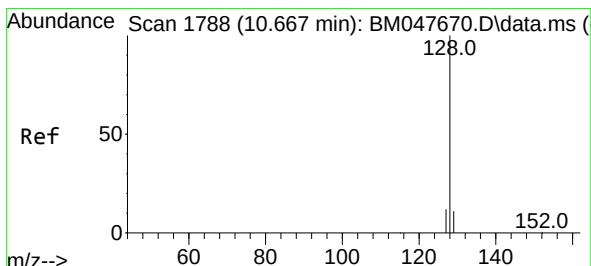
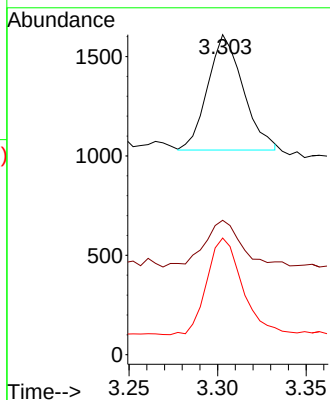
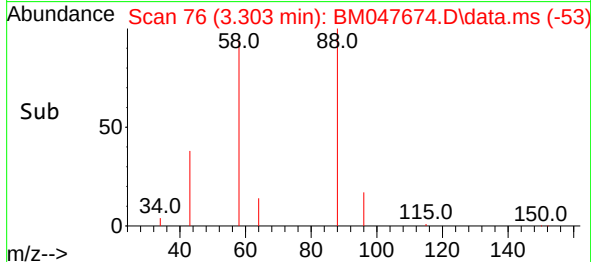
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



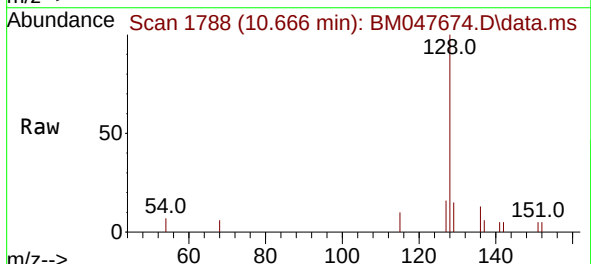
Tgt Ion: 88 Resp: 800
Ion Ratio Lower Upper
88 100
43 42.0 30.9 46.3
58 36.5 42.5 63.7

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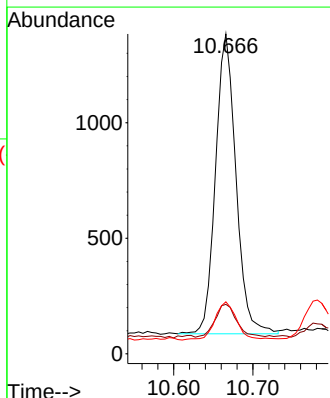
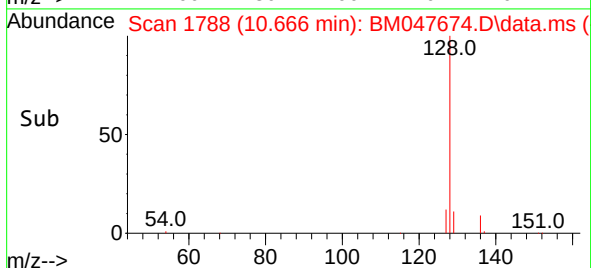
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

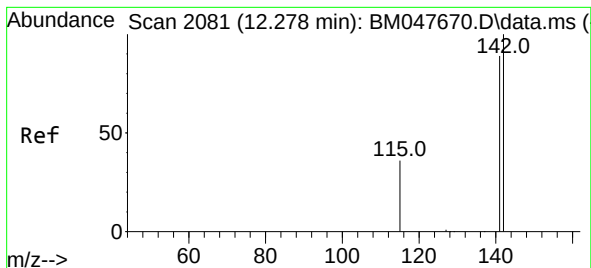


#5
Naphthalene
Concen: 0.073 ng/ul
RT: 10.666 min Scan# 1788
Delta R.T. -0.007 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32



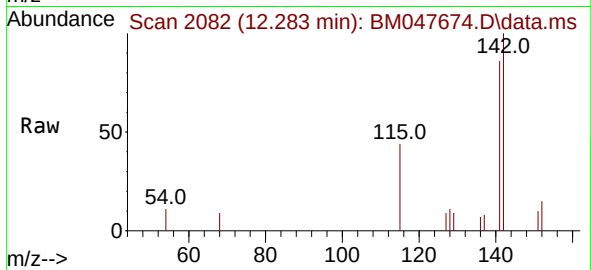
Tgt Ion:128 Resp: 2325
Ion Ratio Lower Upper
128 100
129 15.5 9.2 13.8#
127 16.3 10.4 15.6#





#7
2-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.283 min Scan# 2081
Delta R.T. -0.001 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

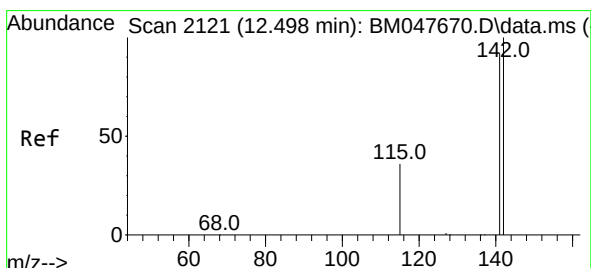
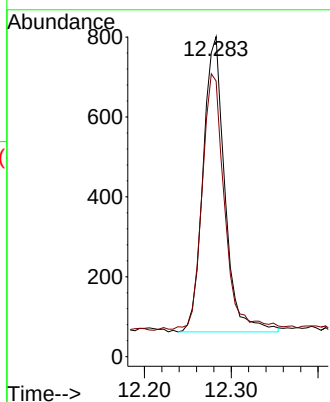
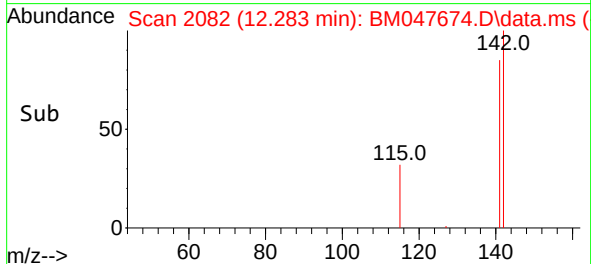
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



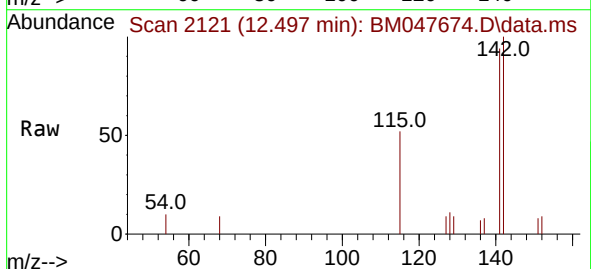
Tgt Ion:142 Resp: 1279
Ion Ratio Lower Upper
142 100
141 88.4 70.5 105.7

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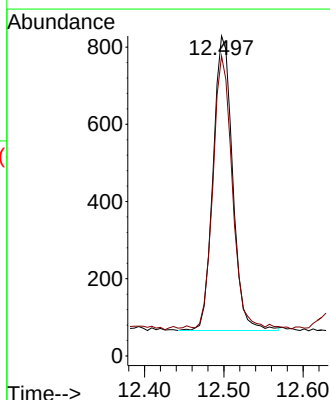
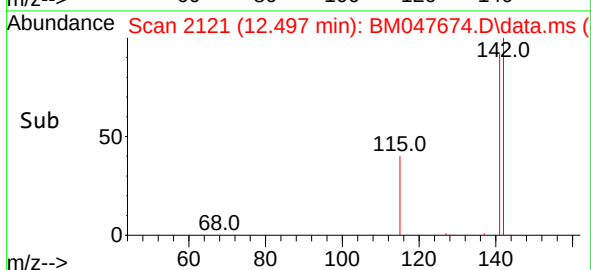
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

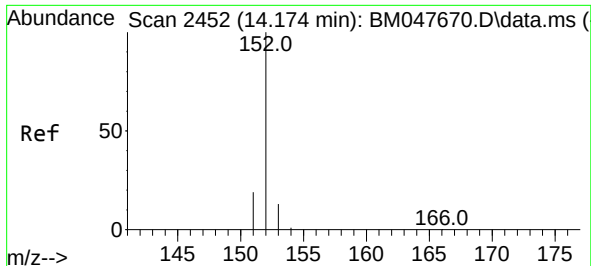


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.497 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32



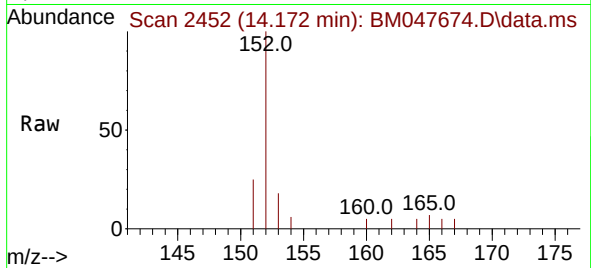
Tgt Ion:142 Resp: 1301
Ion Ratio Lower Upper
142 100
141 91.3 72.9 109.3





#10
Acenaphthylene
Concen: 0.069 ng/u1
RT: 14.172 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

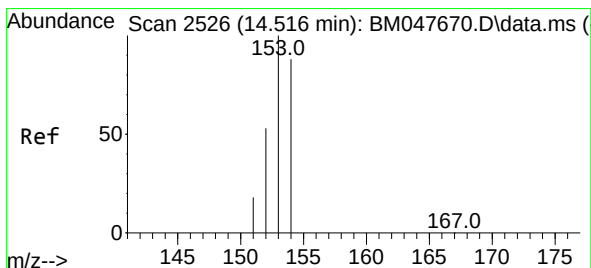
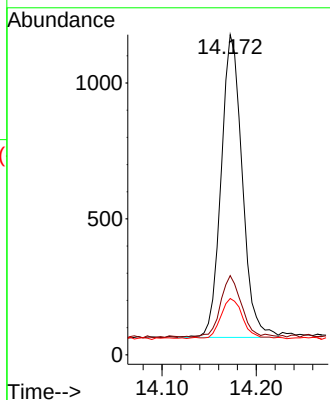
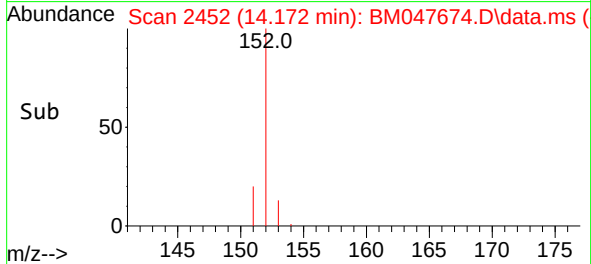
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:152 Resp: 173
Ion Ratio Lower Upper
152 100
151 24.7 16.1 24.1
153 17.6 10.7 16.1

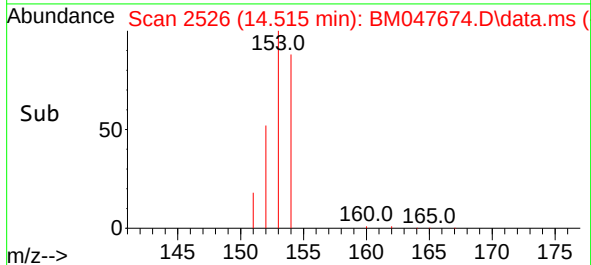
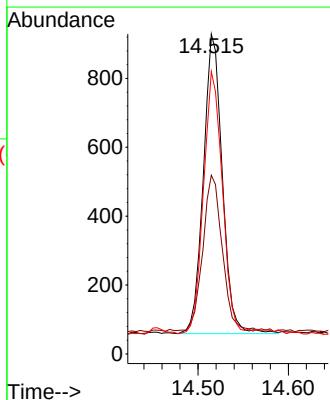
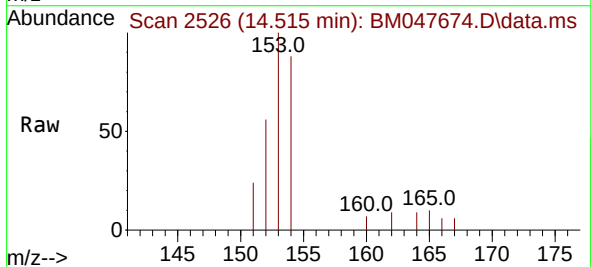
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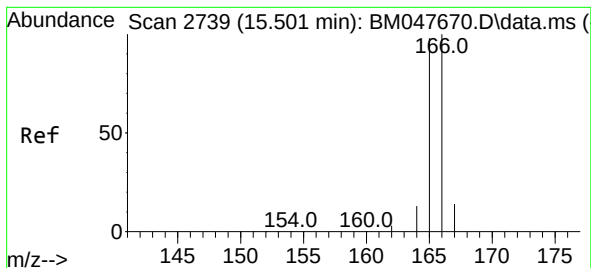
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#11
Acenaphthene
Concen: 0.074 ng/u1
RT: 14.515 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

Tgt Ion:153 Resp: 1272
Ion Ratio Lower Upper
153 100
152 55.9 41.7 62.5
154 88.3 71.2 106.8





#12

Fluorene

Concen: 0.067 ng/ul

RT: 15.500 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047674.D

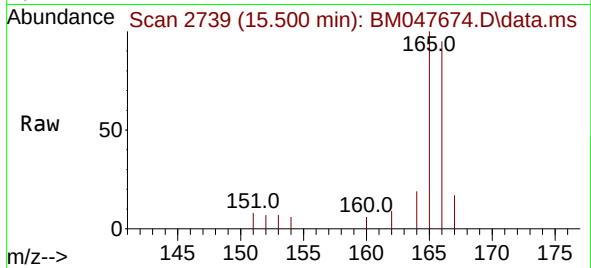
Acq: 27 Sep 2024 11:32

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2024-06

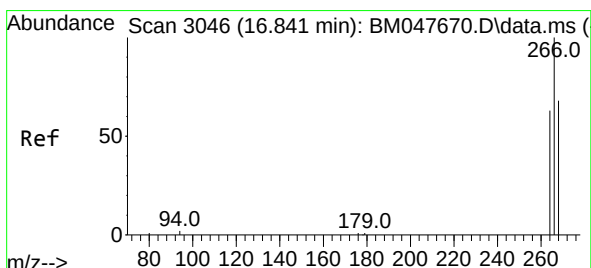
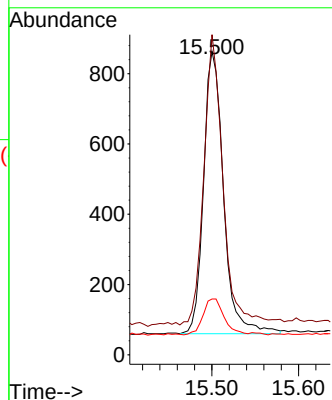
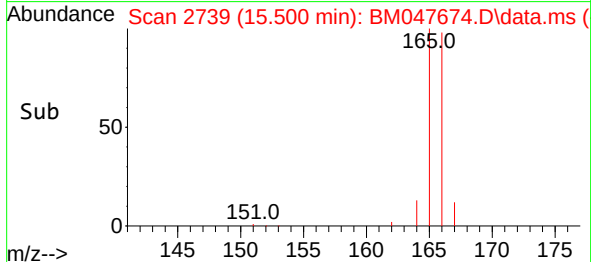


Tgt Ion:	166	Resp:	128
Ion Ratio	100	Lower	Upper
166	100		
165	105.6	79.4	119.2
167	18.4	11.4	17.0

Manual Integrations

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



#14

Pentachlorophenol

Concen: 0.120 ng/ul

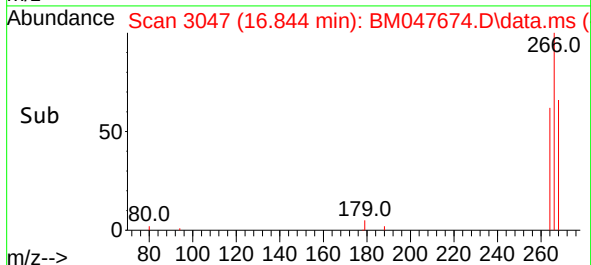
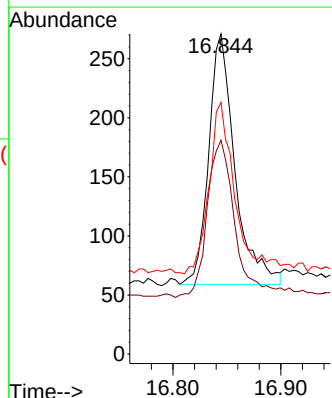
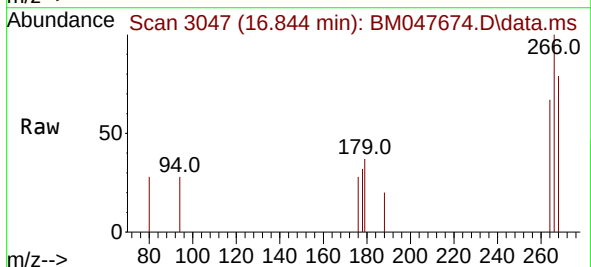
RT: 16.844 min Scan# 3047

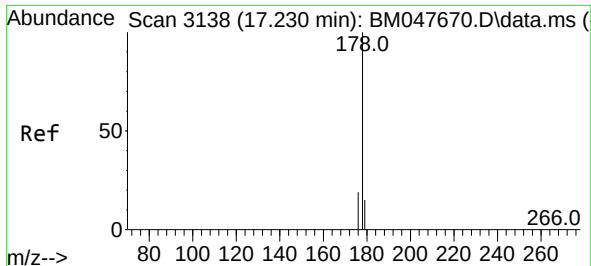
Delta R.T. -0.006 min

Lab File: BM047674.D

Acq: 27 Sep 2024 11:32

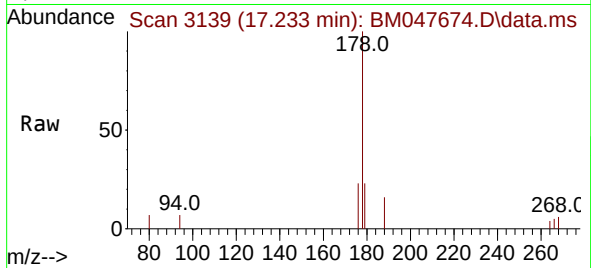
Tgt Ion:	266	Resp:	358
Ion Ratio	100	Lower	Upper
266	100		
264	68.7	49.8	74.8
268	69.3	51.2	76.8





#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 17.233 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

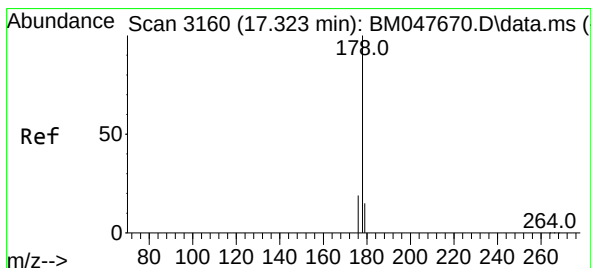
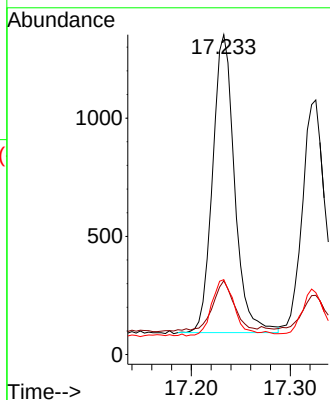
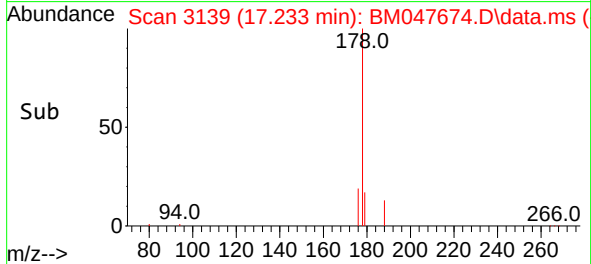
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:178 Resp: 1943
Ion Ratio Lower Upper
178 100
179 23.1 13.0 19.6#
176 23.4 15.9 23.9#

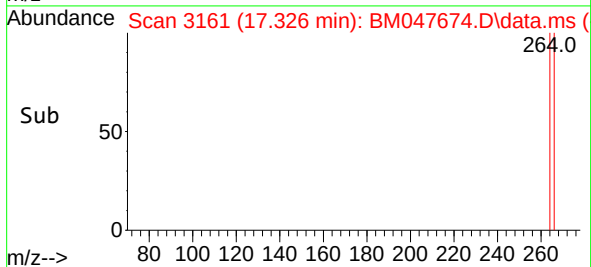
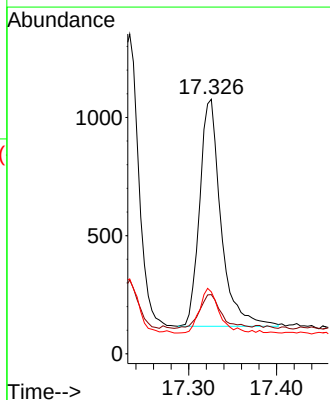
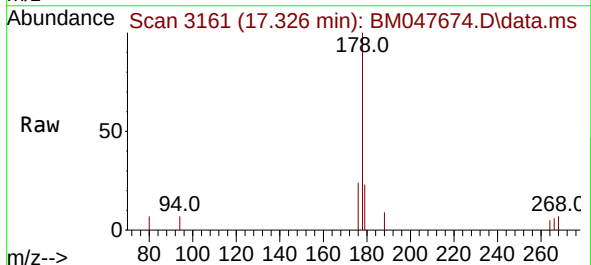
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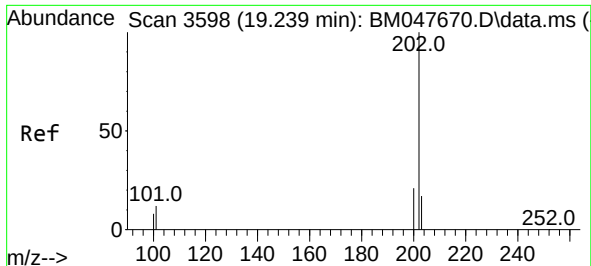
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#16
Anthracene
Concen: 0.061 ng/u1
RT: 17.326 min Scan# 3161
Delta R.T. -0.001 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

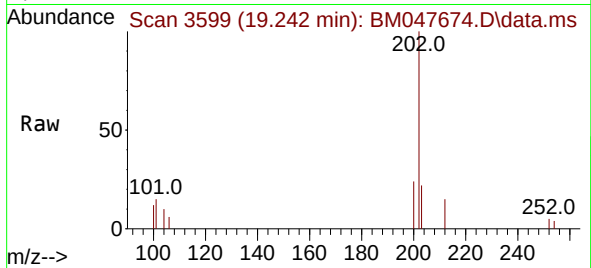
Tgt Ion:178 Resp: 1614
Ion Ratio Lower Upper
178 100
179 23.3 13.0 19.4#
176 24.3 15.4 23.2#





#19
Fluoranthene
Concen: 0.071 ng/u1
RT: 19.242 min Scan# 3599
Delta R.T. -0.001 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

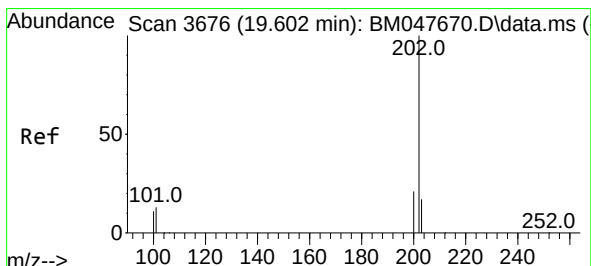
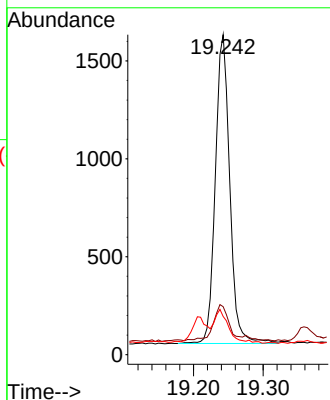
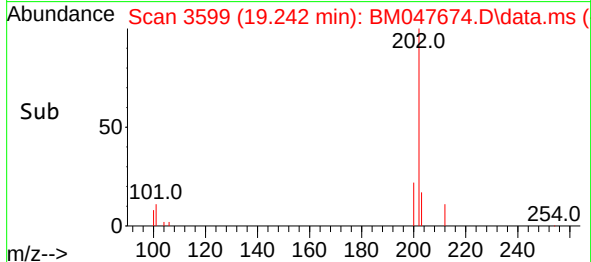
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:202 Resp: 2274
Ion Ratio Lower Upper
202 100
101 15.0 9.8 14.6
100 11.9 7.4 11.2

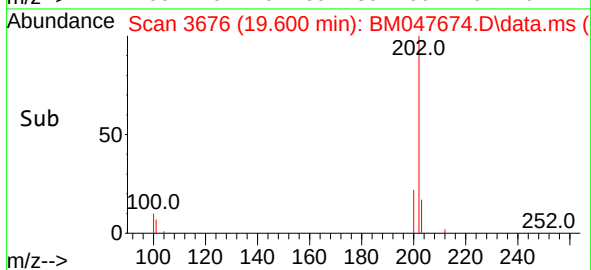
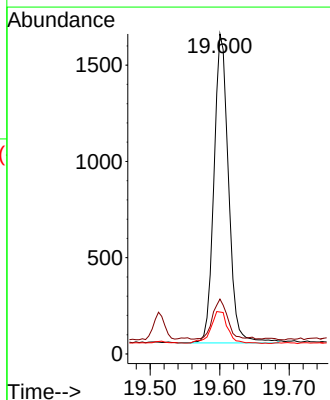
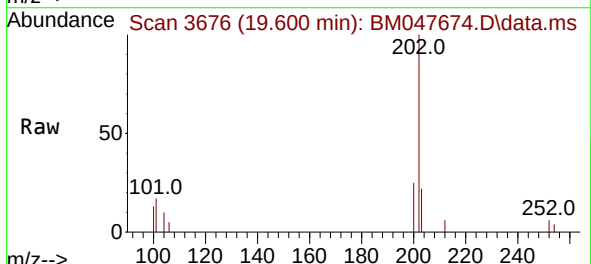
Manual Integrations
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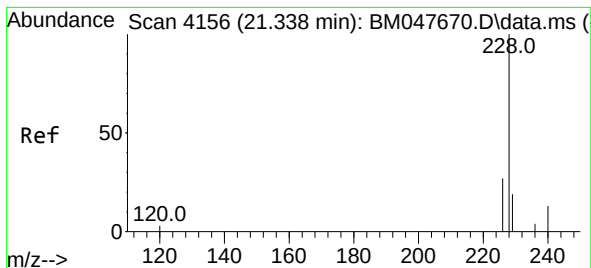
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#20
Pyrene
Concen: 0.069 ng/u1
RT: 19.600 min Scan# 3676
Delta R.T. -0.006 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

Tgt Ion:202 Resp: 2342
Ion Ratio Lower Upper
202 100
101 17.1 10.7 16.1#
100 13.1 8.2 12.2#





#21

Benzo(a)anthracene

Concen: 0.062 ng/u1

RT: 21.339 min Scan# 4156

Delta R.T. -0.003 min

Lab File: BM047674.D

Acq: 27 Sep 2024 11:32

Instrument :

BNA_M

ClientSampleId :

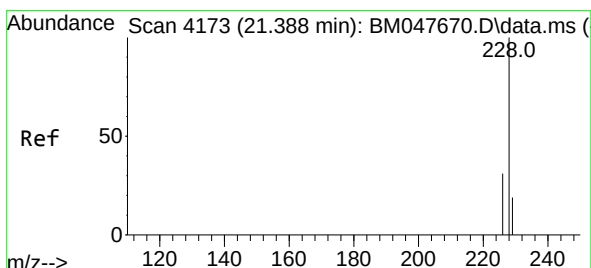
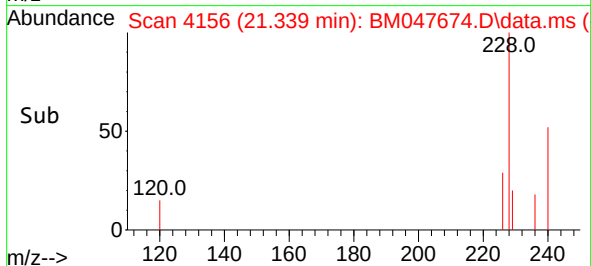
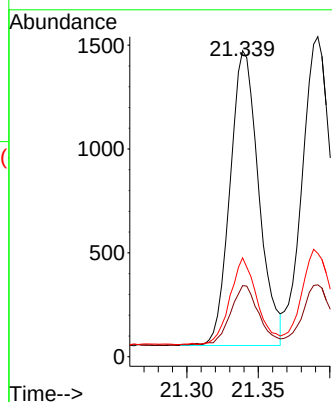
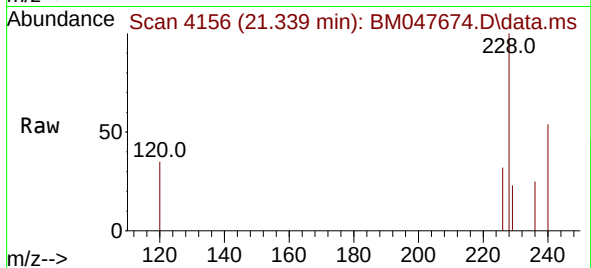
MDL-SOIL-QT3-2024-06

Tgt Ion:228	Resp:	198
Ion Ratio	Lower	Upper
228	100	
229	23.2	15.9 23.9
226	32.3	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: 0.067 ng/u1

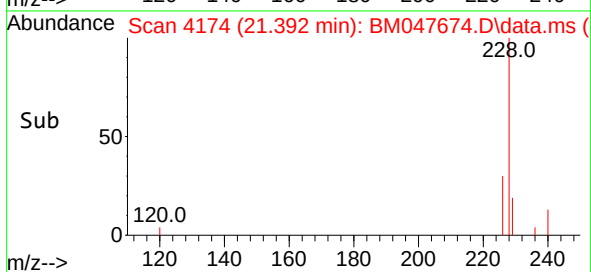
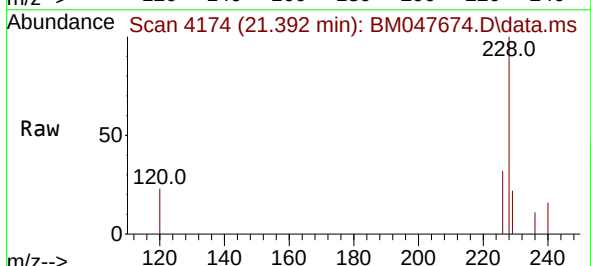
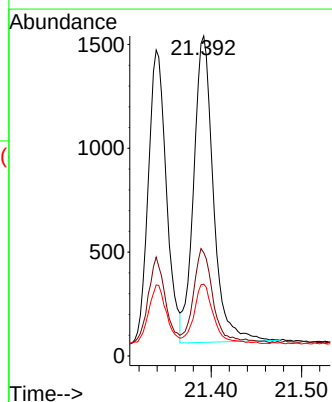
RT: 21.392 min Scan# 4174

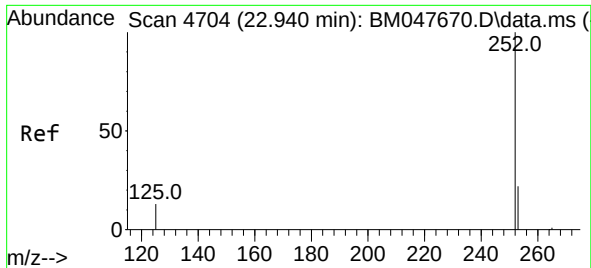
Delta R.T. -0.002 min

Lab File: BM047674.D

Acq: 27 Sep 2024 11:32

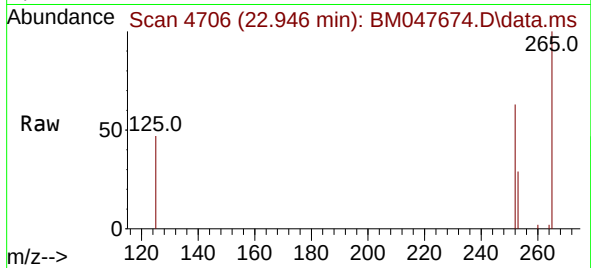
Tgt Ion:228	Resp:	2227
Ion Ratio	Lower	Upper
228	100	
226	32.3	24.4 36.6
229	22.5	15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.074 ng/ul
RT: 22.946 min Scan# 4706
Delta R.T. -0.003 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

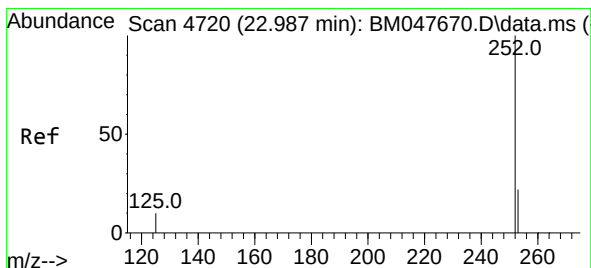
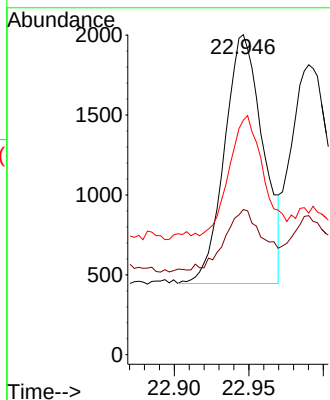
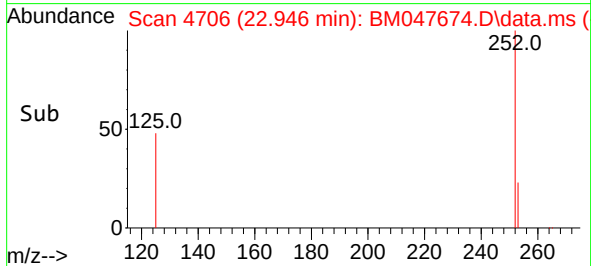
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:252 Resp: 280
Ion Ratio Lower Upper
252 100
253 45.3 0.0 52.4
125 73.3 0.0 36.4

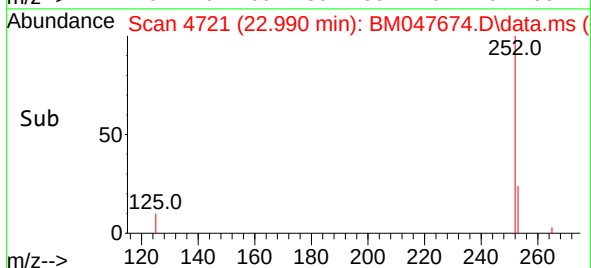
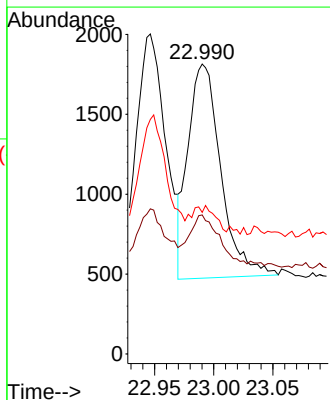
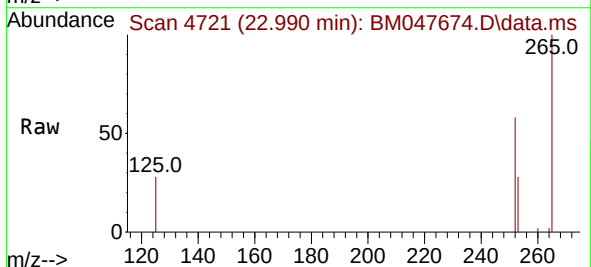
Manual Integrations
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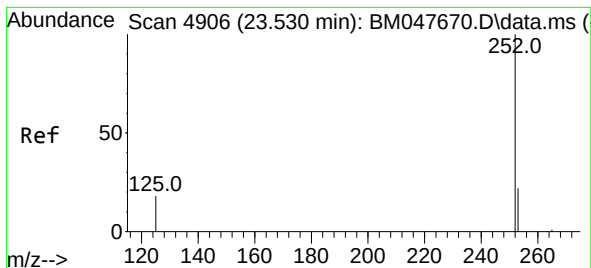
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.990 min Scan# 4721
Delta R.T. -0.003 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

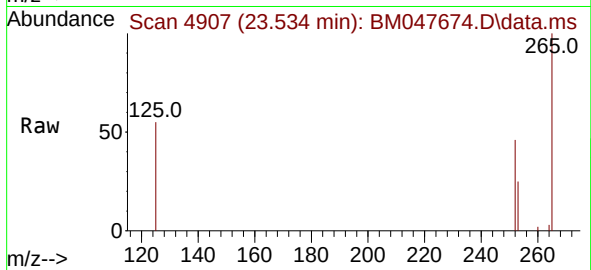
Tgt Ion:252 Resp: 2590
Ion Ratio Lower Upper
252 100
253 47.9 21.0 31.6#
125 48.8 14.6 21.8#





#26
Benzo(a)pyrene
Concen: 0.073 ng/ul
RT: 23.534 min Scan# 4906
Delta R.T. 0.000 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

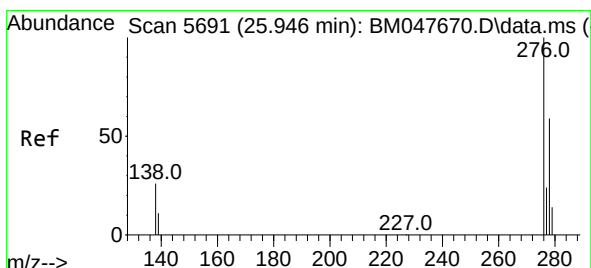
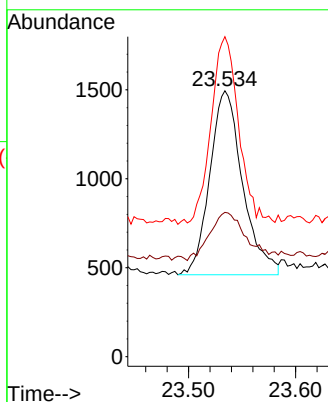
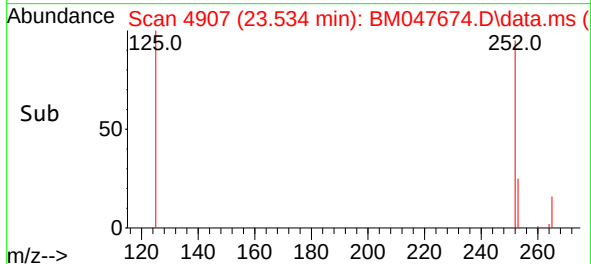
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:252 Resp: 2198
Ion Ratio Lower Upper
252 100
253 54.2 23.0 34.4
125 120.3 18.8 28.2

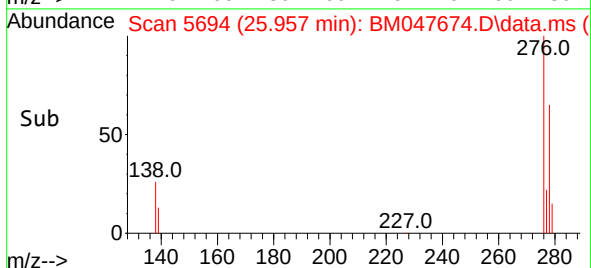
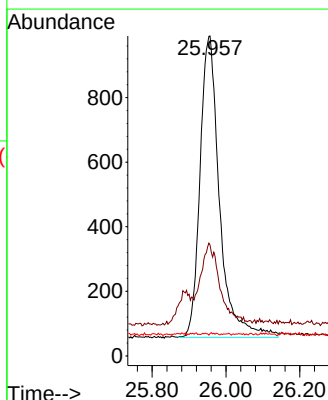
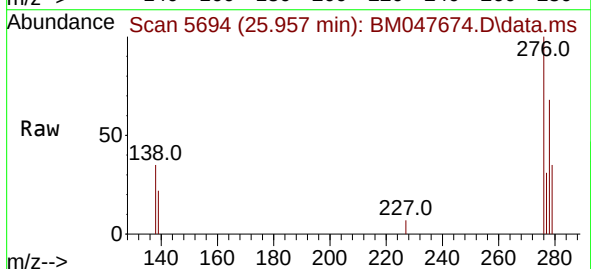
Manual Integrations
APPROVED

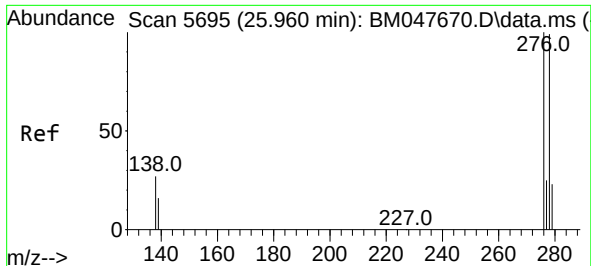
Reviewed By :Jagrut Upadhyay 09/27/2024
Supervised By :mohammad ahmed 09/28/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.072 ng/ul
RT: 25.957 min Scan# 5694
Delta R.T. -0.003 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

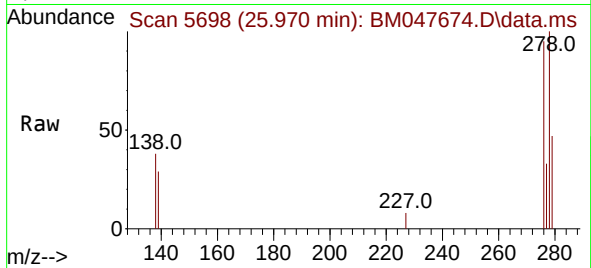
Tgt Ion:276 Resp: 3425
Ion Ratio Lower Upper
276 100
138 26.1 22.0 33.0
227 0.2 0.2 0.4





#28
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.970 min Scan# 5698
Delta R.T. -0.003 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32

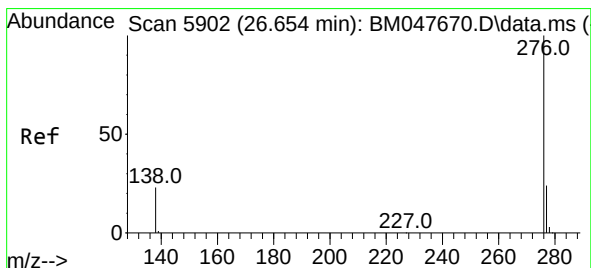
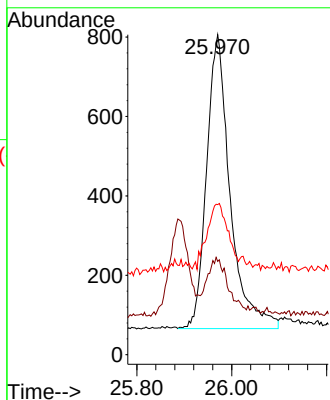
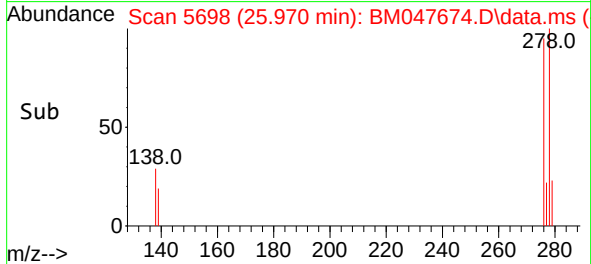
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2024-06



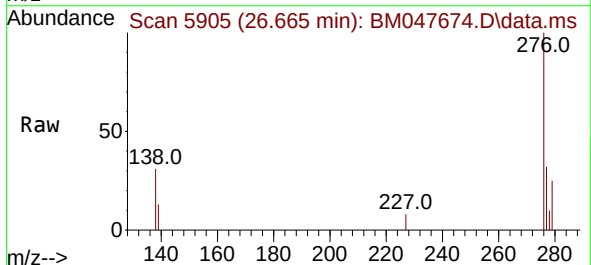
Tgt Ion:278 Resp: 253
Ion Ratio Lower Upper
278 100
139 29.2 16.8 25.2
279 46.9 21.2 31.8

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.077 ng/ul
RT: 26.665 min Scan# 5905
Delta R.T. -0.003 min
Lab File: BM047674.D
Acq: 27 Sep 2024 11:32



Tgt Ion:276 Resp: 2946
Ion Ratio Lower Upper
276 100
138 30.6 20.2 30.2#
277 32.5 19.8 29.6#

