

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
 Data File : BM042369.D
 Acq On : 19 Oct 2023 14:24
 Operator : MA/JU
 Sample : 03573-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Quant Time: Oct 19 15:45:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 14:30:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2023
 Supervised By :mohammad ahmed 10/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3656	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9477	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3948	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7387	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	3087	0.400	ng/ul	0.00
23) Perylene-d12	24.050	264	3177	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2258	0.418	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4396	0.377	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5569	0.399	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	595m	0.104	ng/ul	
5) Naphthalene	10.889	128	2054	0.068	ng/ul#	88
7) 2-Methylnaphthalene	12.495	142	1216	0.069	ng/ul	100
8) 1-Methylnaphthalene	12.709	142	1204	0.067	ng/ul	98
10) Acenaphthylene	14.384	152	1661	0.070	ng/ul#	89
11) Acenaphthene	14.717	153	1338	0.069	ng/ul	98
12) Fluorene	15.707	166	1422	0.067	ng/ul#	96
14) Pentachlorophenol	17.046	266	209	0.074	ng/ul	93
15) Phenanthrene	17.447	178	2220	0.069	ng/ul#	92
16) Anthracene	17.544	178	1727	0.063	ng/ul#	88
19) Fluoranthene	19.454	202	2327	0.069	ng/ul#	95
20) Pyrene	19.822	202	2301	0.066	ng/ul	94
21) Benzo(a)anthracene	21.565	228	1592	0.069	ng/ul	94
22) Chrysene	21.618	228	1753	0.074	ng/ul	96
24) Benzo(b)fluoranthene	23.284	252	1738	0.067	ng/ul	56
25) Benzo(k)fluoranthene	23.336	252	1779	0.073	ng/ul#	57
26) Benzo(a)pyrene	23.939	252	1456	0.071	ng/ul#	41
27) Indeno(1,2,3-cd)pyrene	26.649	276	1850	0.070	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.672	278	1346	0.071	ng/ul#	70
29) Benzo(g,h,i)perylene	27.457	276	1665	0.073	ng/ul#	81

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

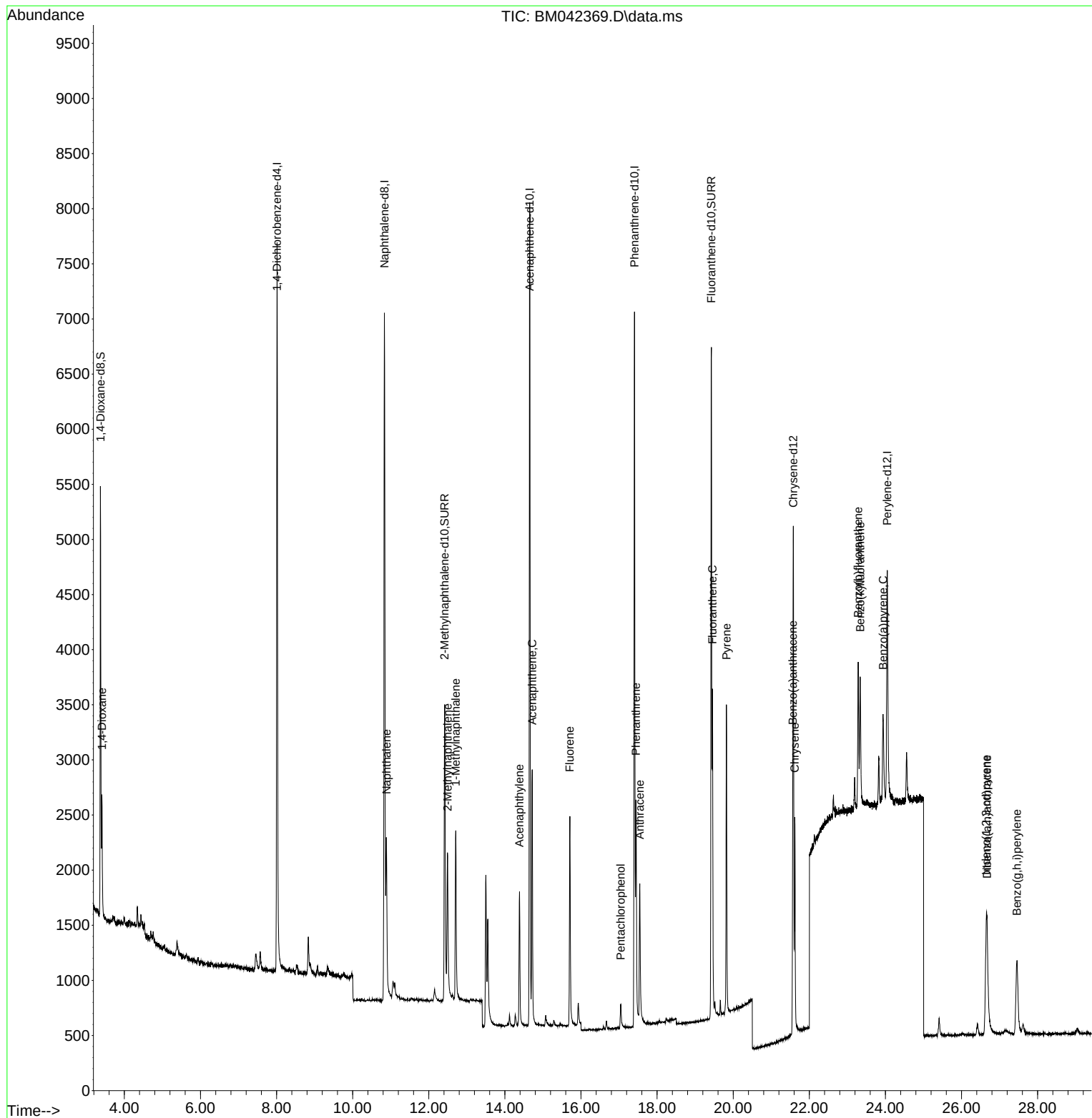
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042369.D
Acq On : 19 Oct 2023 14:24
Operator : MA/JU
Sample : 03573-04
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ALS Vial : 10 Sample Multiplier: 1

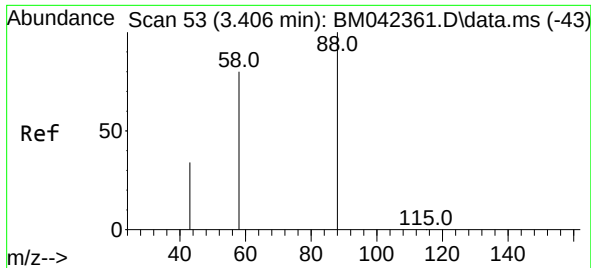
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06

Quant Time: Oct 19 15:45:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

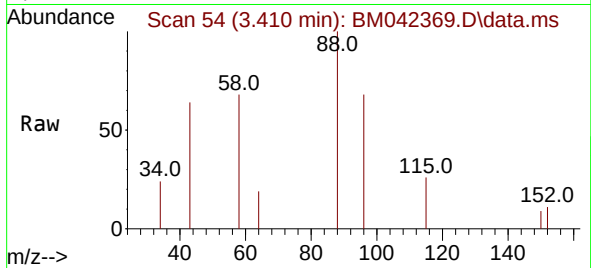
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.104 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

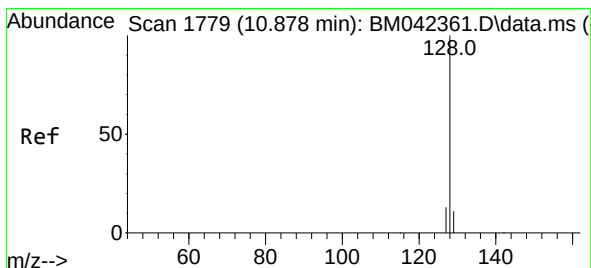
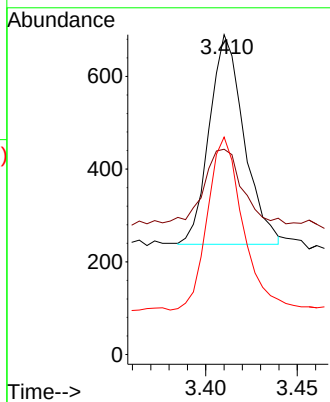
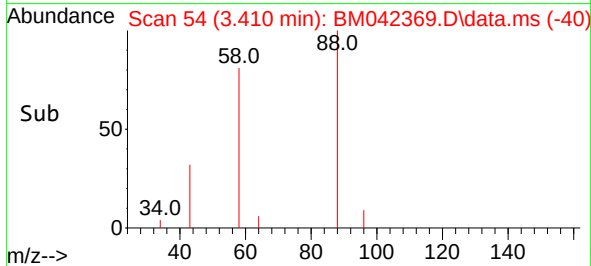
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 64.2 41.0 61.6
58 68.0 60.9 91.3

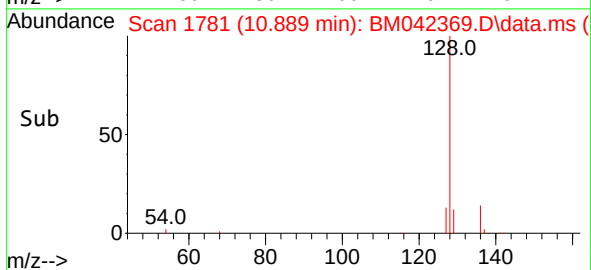
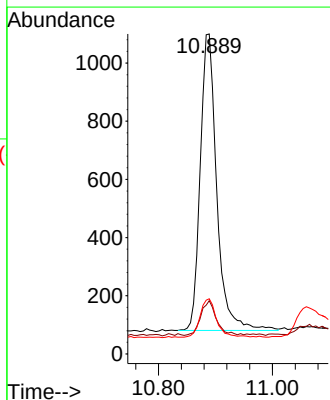
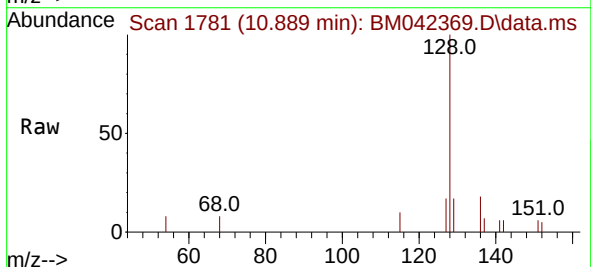
Manual Integrations
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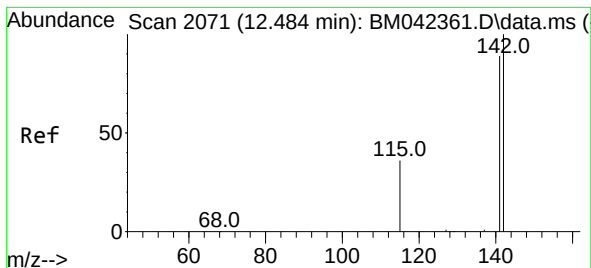
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.889 min Scan# 1781
Delta R.T. 0.005 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

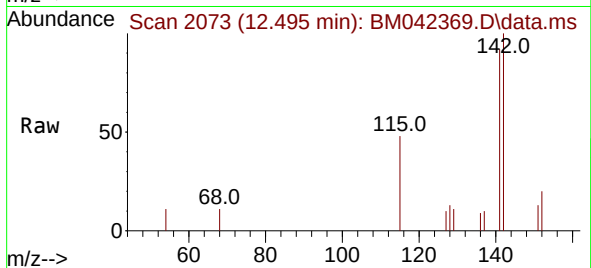
Tgt Ion:128 Resp: 2054
Ion Ratio Lower Upper
128 100
129 16.6 9.0 13.6#
127 17.3 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.495 min Scan# 2071
Delta R.T. 0.005 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

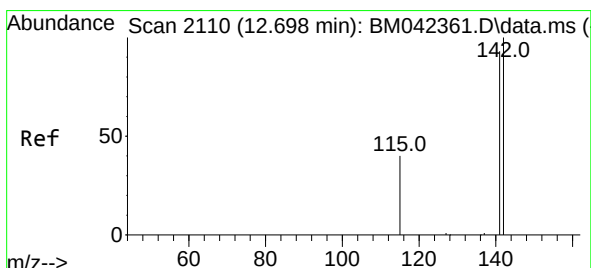
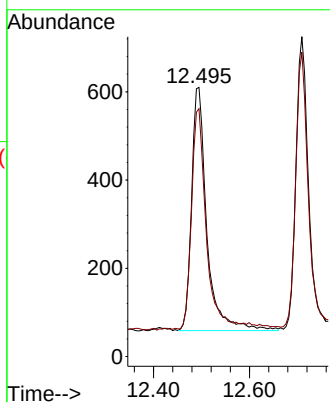
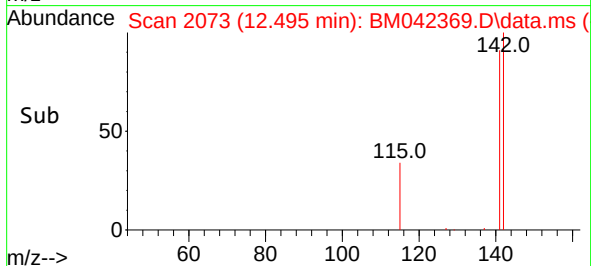
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:142 Resp: 1210
Ion Ratio Lower Upper
142 100
141 90.3 71.9 107.9

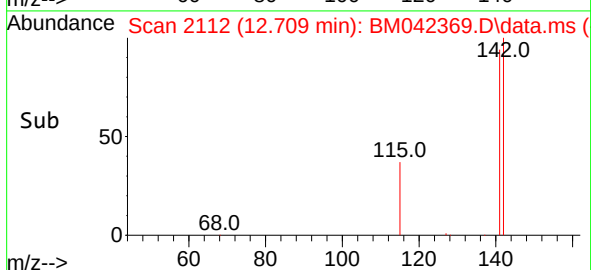
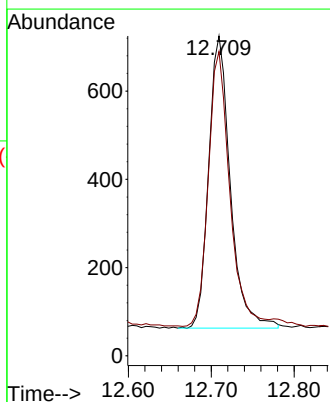
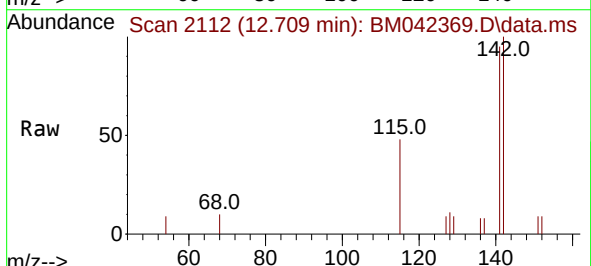
Manual Integrations
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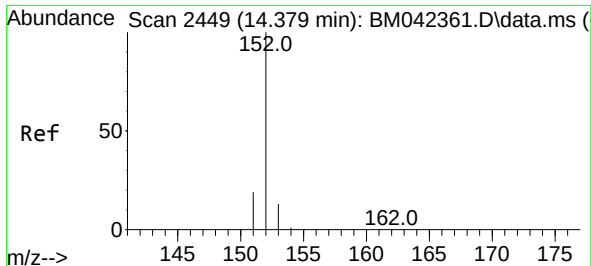
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

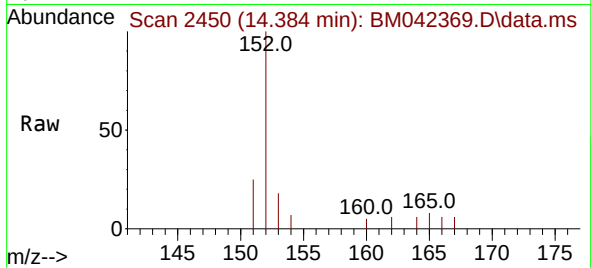
Tgt Ion:142 Resp: 1204
Ion Ratio Lower Upper
142 100
141 93.9 73.7 110.5





#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

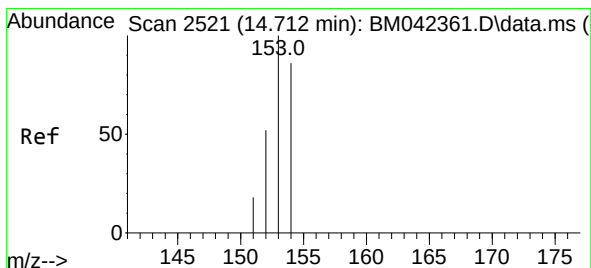
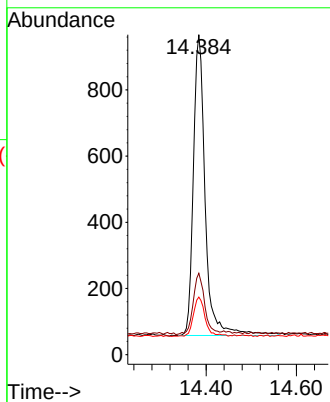
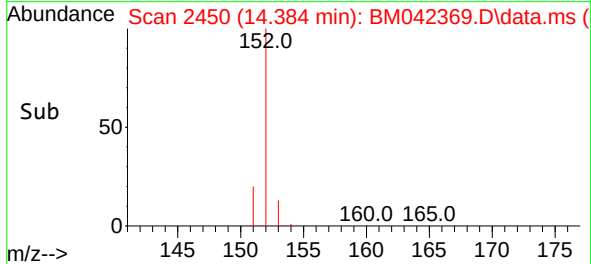
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:152 Resp: 166
Ion Ratio Lower Upper
152 100
151 25.4 16.2 24.4
153 18.0 10.8 16.2

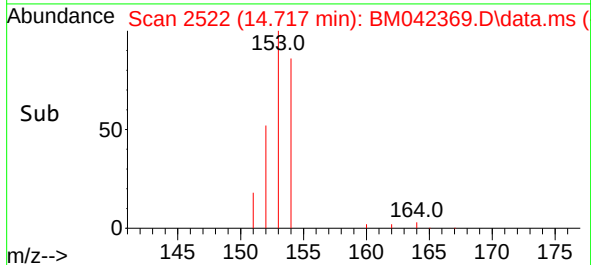
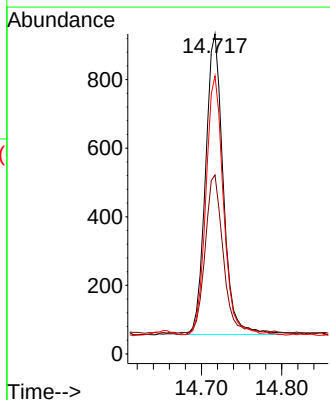
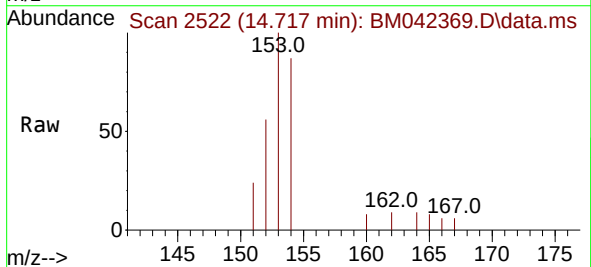
Manual Integrations
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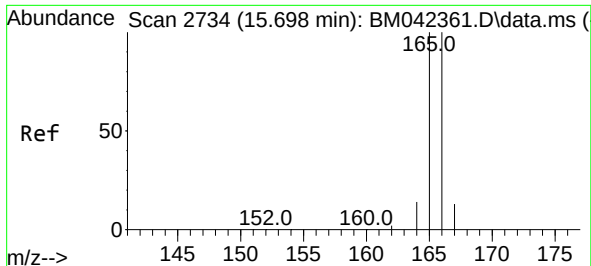
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

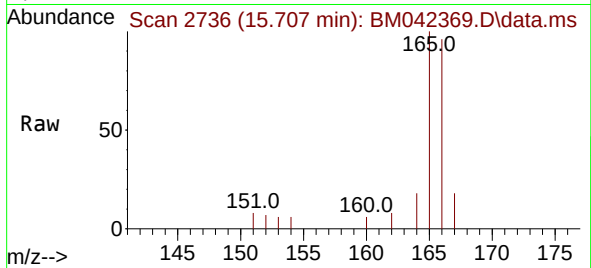
Tgt Ion:153 Resp: 1338
Ion Ratio Lower Upper
153 100
152 55.9 41.7 62.5
154 86.9 70.0 105.0





#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.707 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

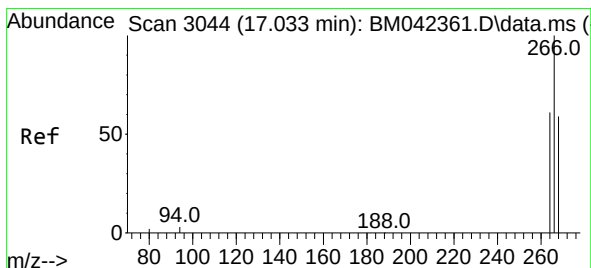
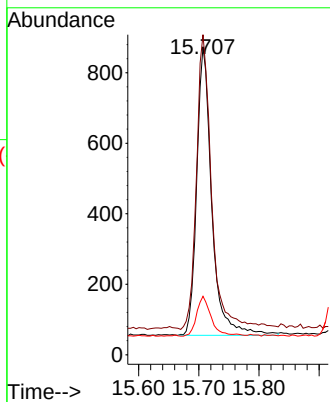
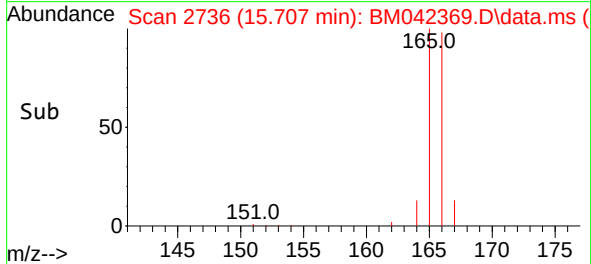
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:166 Resp: 142
Ion Ratio Lower Upper
166 100
165 103.9 80.3 120.5
167 19.0 11.4 17.2

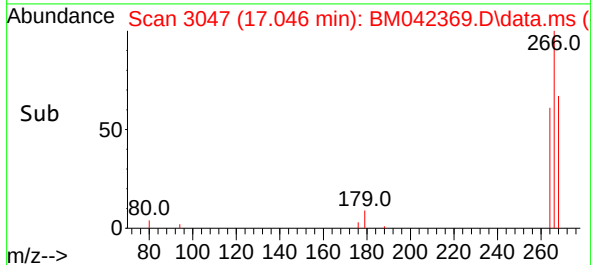
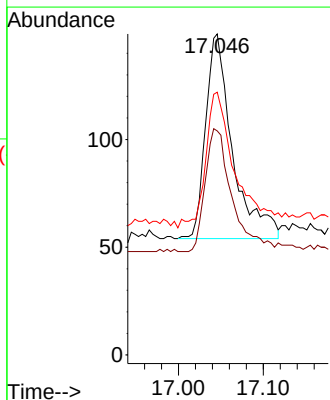
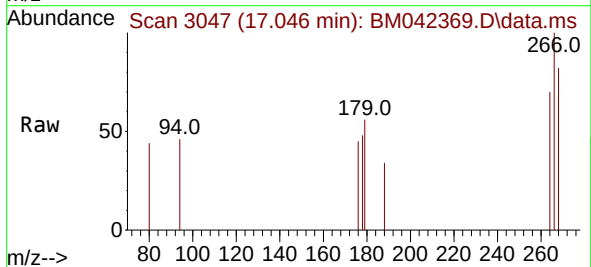
Manual Integrations
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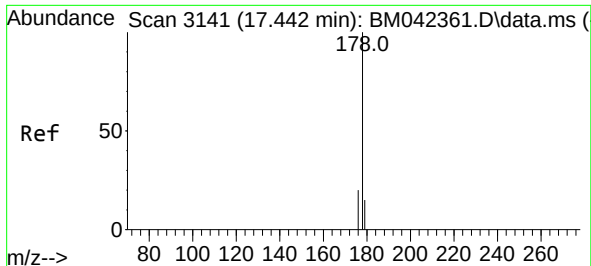
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#14
Pentachlorophenol
Concen: 0.074 ng/ul
RT: 17.046 min Scan# 3047
Delta R.T. 0.008 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

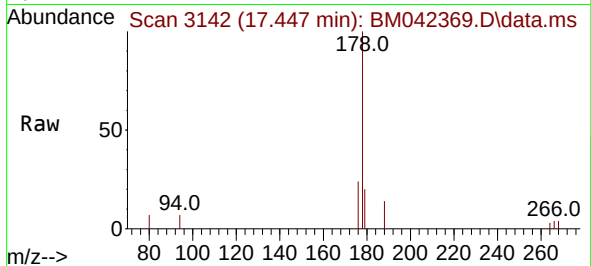
Tgt Ion:266 Resp: 209
Ion Ratio Lower Upper
266 100
264 59.8 49.8 74.8
268 73.2 51.9 77.9





#15
Phenanthrene
Concen: 0.069 ng/u1
RT: 17.447 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

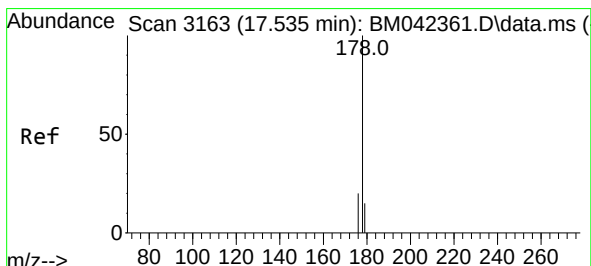
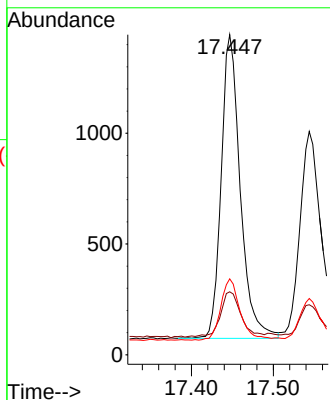
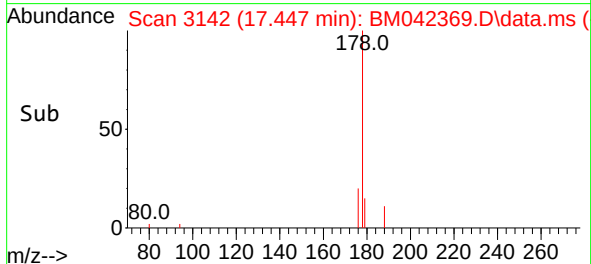
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:178 Resp: 2220
Ion Ratio Lower Upper
178 100
179 19.7 12.6 19.0#
176 23.7 16.4 24.6#

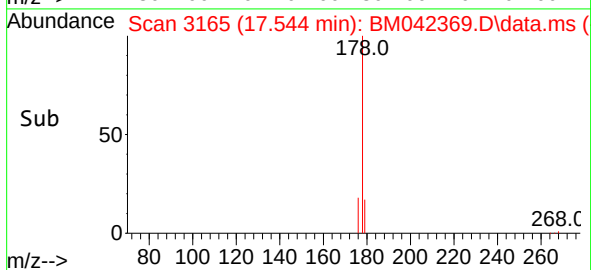
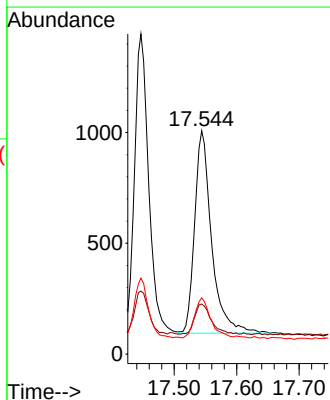
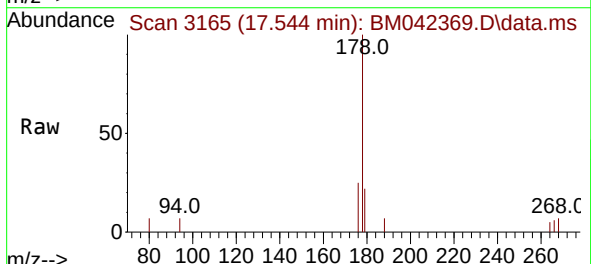
Manual Integrations
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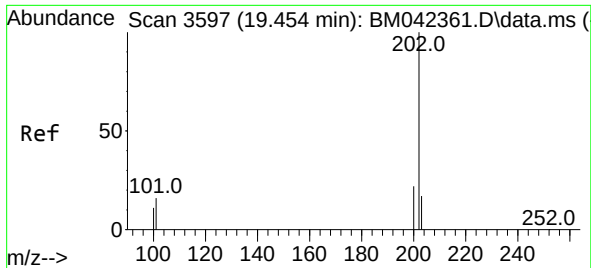
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

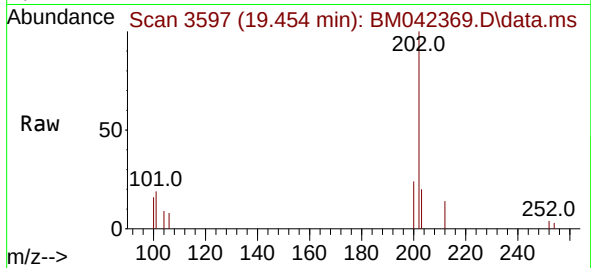
Tgt Ion:178 Resp: 1727
Ion Ratio Lower Upper
178 100
179 22.4 12.9 19.3#
176 25.2 16.4 24.6#





#19
Fluoranthene
Concen: 0.069 ng/u1
RT: 19.454 min Scan# 3597
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

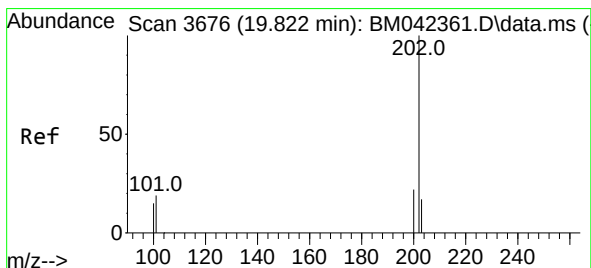
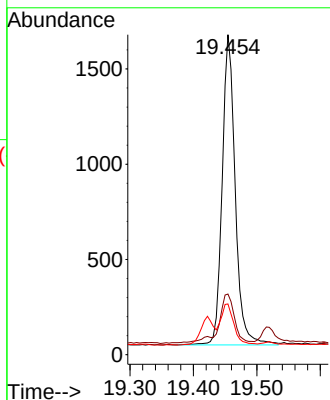
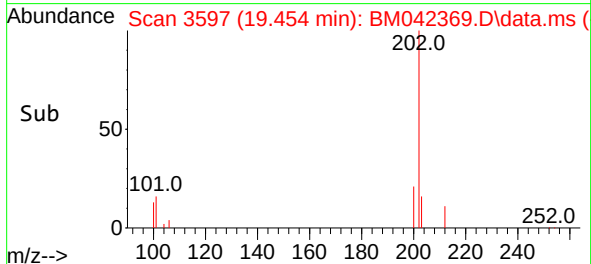
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:202 Resp: 2327
Ion Ratio Lower Upper
202 100
101 19.0 14.0 21.0
100 15.9 10.4 15.6

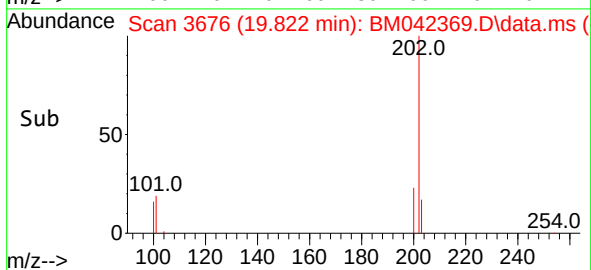
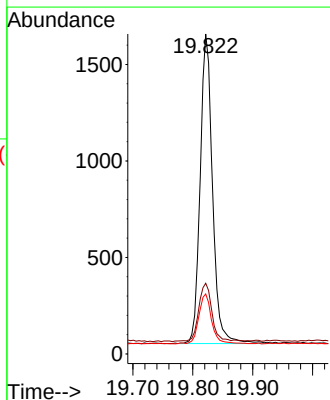
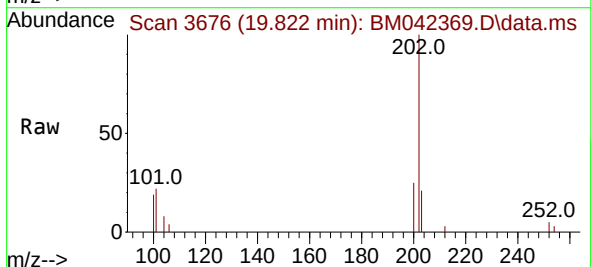
Manual Integrations
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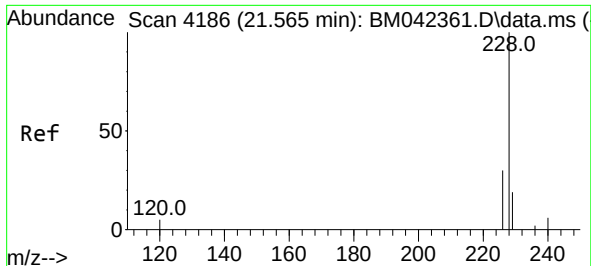
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.066 ng/u1
RT: 19.822 min Scan# 3676
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

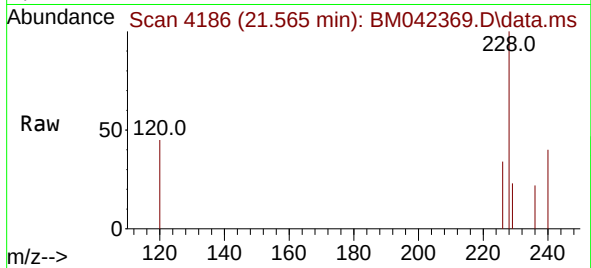
Tgt Ion:202 Resp: 2301
Ion Ratio Lower Upper
202 100
101 22.1 15.8 23.8
100 18.8 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.069 ng/ul
RT: 21.565 min Scan# 4186
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

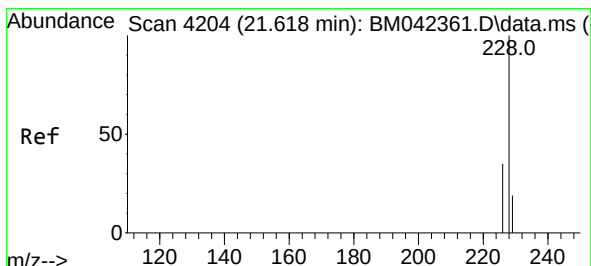
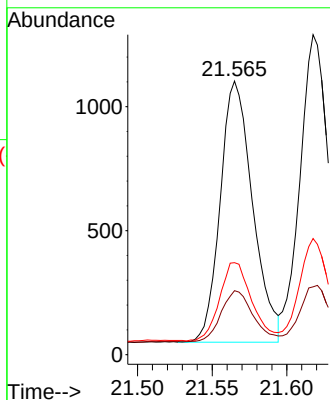
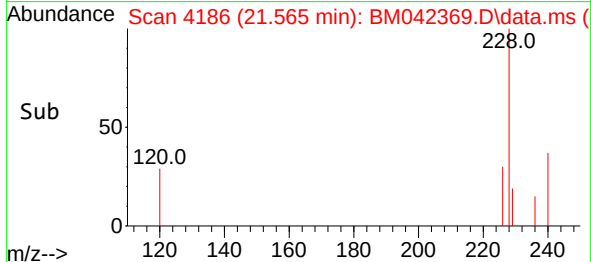
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:228 Resp: 1592
Ion Ratio Lower Upper
228 100
229 23.4 15.6 23.4
226 33.6 24.7 37.1

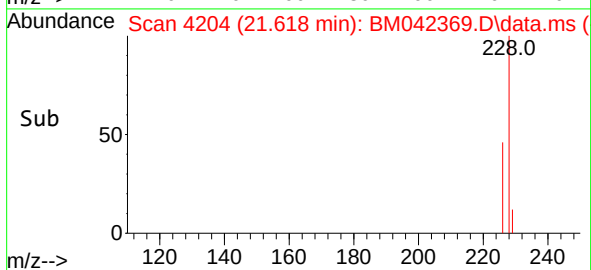
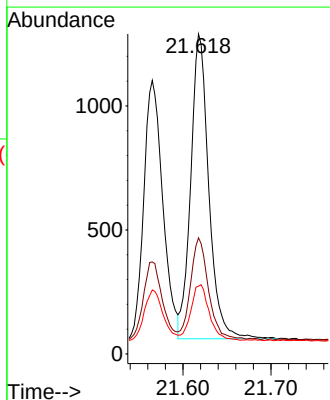
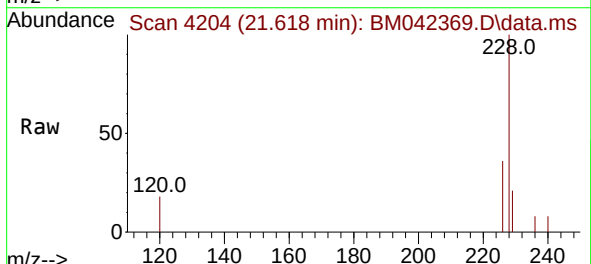
Manual Integrations
APPROVED

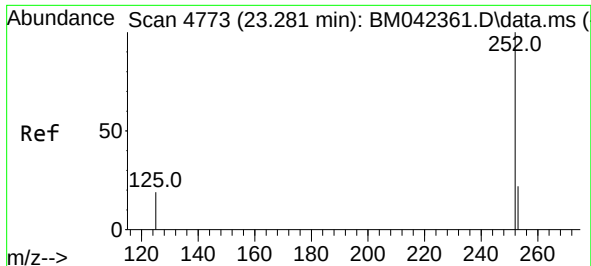
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#22
Chrysene
Concen: 0.074 ng/ul
RT: 21.618 min Scan# 4204
Delta R.T. -0.003 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

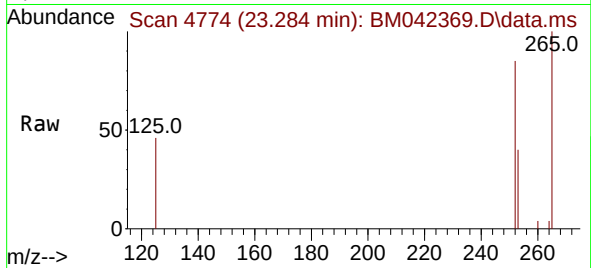
Tgt Ion:228 Resp: 1753
Ion Ratio Lower Upper
228 100
226 36.3 27.1 40.7
229 21.2 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.067 ng/ul
RT: 23.284 min Scan# 4773
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24

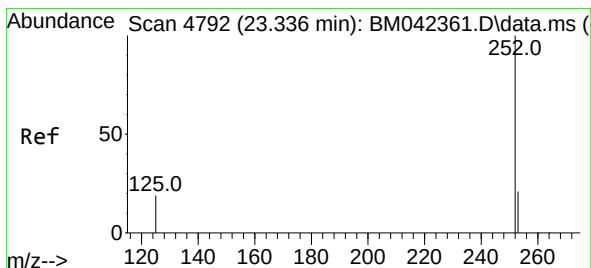
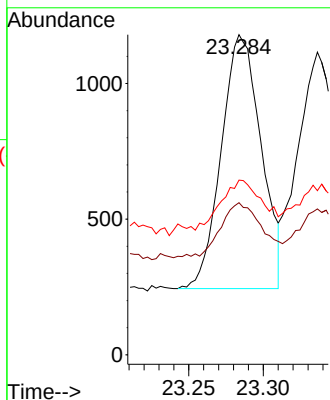
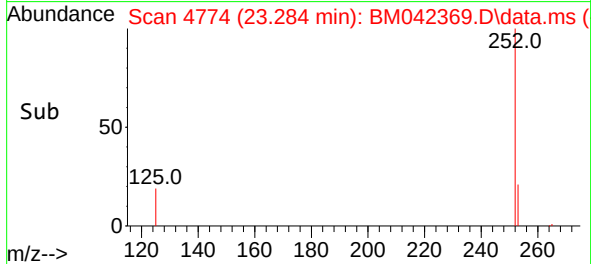
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



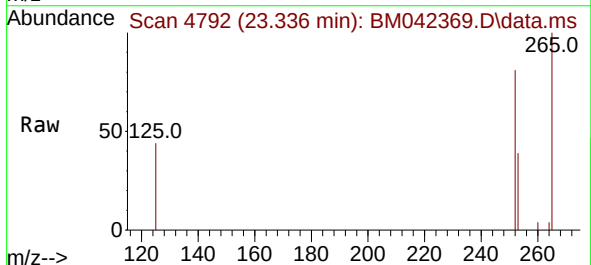
Tgt Ion:252 Resp: 1738
Ion Ratio Lower Upper
252 100
253 47.5 0.0 56.4
125 54.6 0.0 56.0

Manual Integrations
APPROVED

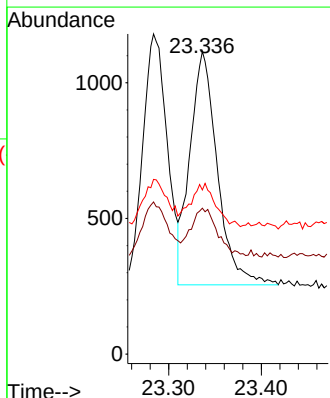
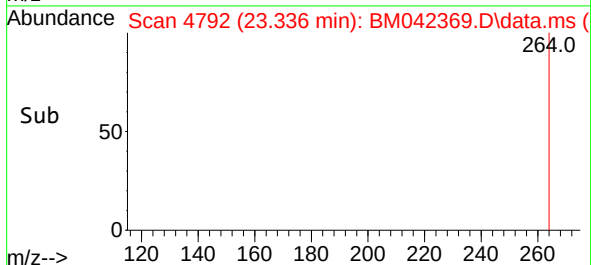
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

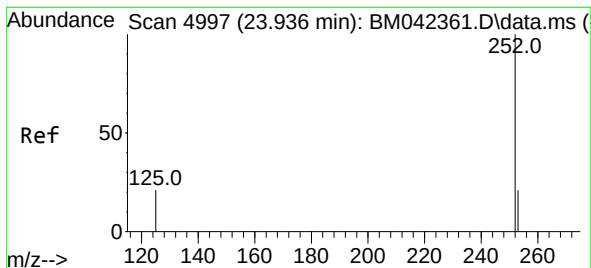


#25
Benzo(k)fluoranthene
Concen: 0.073 ng/ul
RT: 23.336 min Scan# 4792
Delta R.T. -0.000 min
Lab File: BM042369.D
Acq: 19 Oct 2023 14:24



Tgt Ion:252 Resp: 1779
Ion Ratio Lower Upper
252 100
253 48.2 22.7 34.1#
125 54.2 23.0 34.4#





#26

Benzo(a)pyrene

Concen: 0.071 ng/ul

RT: 23.939 min Scan# 4997

Delta R.T. -0.000 min

Lab File: BM042369.D

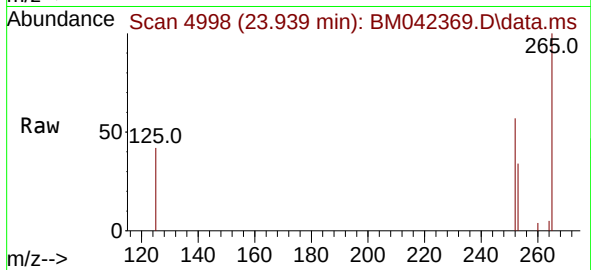
Acq: 19 Oct 2023 14:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06



Tgt Ion: 252 Resp: 1450

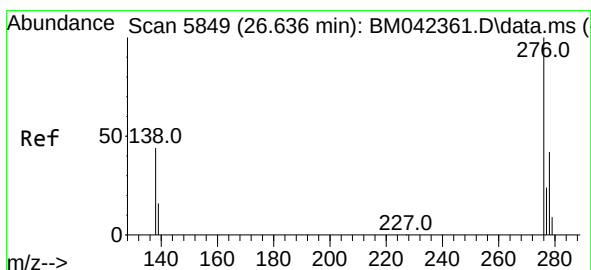
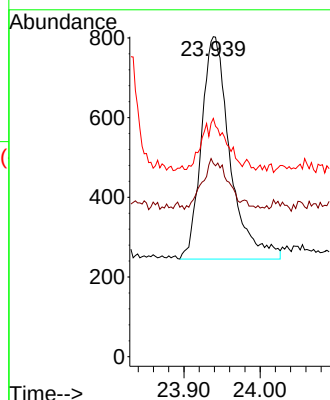
Ion	Ratio	Lower	Upper
252	100		
253	60.4	26.3	39.5
125	74.5	27.7	41.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.070 ng/ul

RT: 26.649 min Scan# 5853

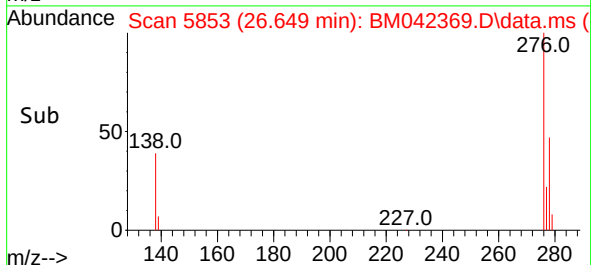
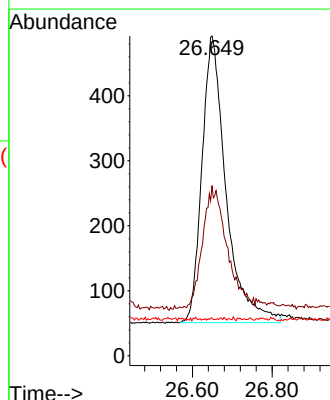
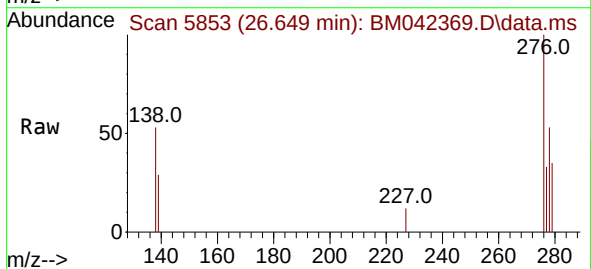
Delta R.T. 0.010 min

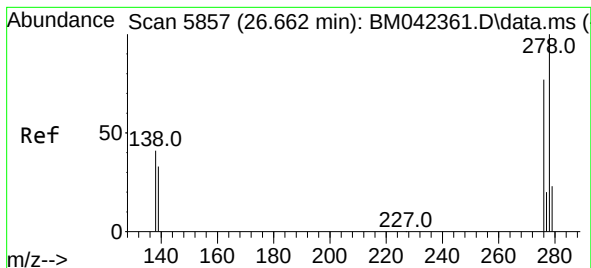
Lab File: BM042369.D

Acq: 19 Oct 2023 14:24

Tgt Ion: 276 Resp: 1850

Ion	Ratio	Lower	Upper
276	100		
138	42.3	35.9	53.9
227	0.2	0.1	0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.071 ng/ul

RT: 26.672 min Scan# 5857

Delta R.T. 0.010 min

Lab File: BM042369.D

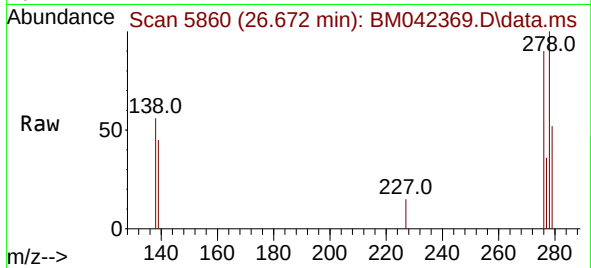
Acq: 19 Oct 2023 14:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06



Tgt Ion:278 Resp: 1340

Ion Ratio Lower Upper

278 100

139 44.9 28.1 42.1

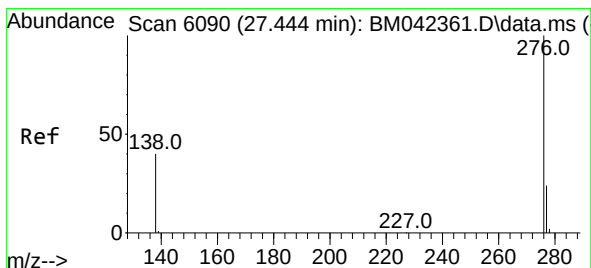
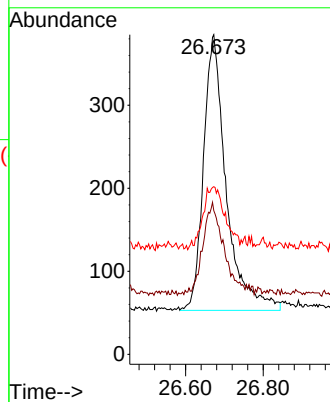
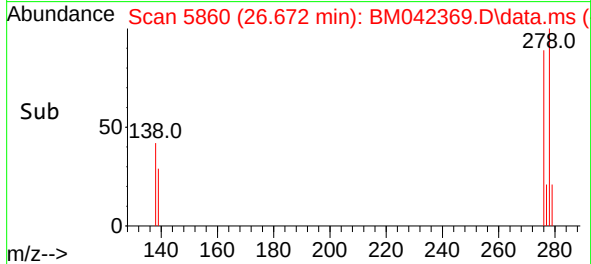
279 52.5 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#29

Benzo(g,h,i)perylene

Concen: 0.073 ng/ul

RT: 27.457 min Scan# 6094

Delta R.T. 0.007 min

Lab File: BM042369.D

Acq: 19 Oct 2023 14:24

Tgt Ion:276 Resp: 1665

Ion Ratio Lower Upper

276 100

138 51.7 33.3 49.9#

277 36.3 19.9 29.9#

