

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101823\
 Data File : BM042352.D
 Acq On : 18 Oct 2023 16:28
 Operator : MA/JU
 Sample : 02215-03
 Misc : SFAM-SIM-SOIL- MDL- 01
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Oct 18 16:59:44 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 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.017	152	3552	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9434	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3983	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7656	0.400	ng/ul	0.00
17) Chrysene-d12	21.586	240	3236	0.400	ng/ul	0.00
23) Perylene-d12	24.053	264	3121	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	2204	0.420	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4416	0.380	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5895	0.403	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.410	88	584m	0.105	ng/ul	
5) Naphthalene	10.889	128	2057	0.068	ng/ul#	89
7) 2-Methylnaphthalene	12.495	142	1215	0.069	ng/ul	96
8) 1-Methylnaphthalene	12.709	142	1219	0.068	ng/ul	99
10) Acenaphthylene	14.384	152	1676	0.070	ng/ul#	90
11) Acenaphthene	14.717	153	1339	0.069	ng/ul	98
12) Fluorene	15.707	166	1441	0.067	ng/ul#	95
14) Pentachlorophenol	17.046	266	200	0.068	ng/ul	98
15) Phenanthrene	17.447	178	2303	0.069	ng/ul#	92
16) Anthracene	17.544	178	1829	0.065	ng/ul#	88
19) Fluoranthene	19.455	202	2399	0.067	ng/ul#	94
20) Pyrene	19.826	202	2453	0.067	ng/ul	97
21) Benzo(a)anthracene	21.571	228	1674	0.069	ng/ul	95
22) Chrysene	21.623	228	1852	0.075	ng/ul	95
24) Benzo(b)fluoranthene	23.292	252	1747	0.069	ng/ul	55
25) Benzo(k)fluoranthene	23.342	252	1708	0.071	ng/ul#	53
26) Benzo(a)pyrene	23.944	252	1472	0.073	ng/ul#	41
27) Indeno(1,2,3-cd)pyrene	26.652	276	1764	0.068	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.679	278	1252	0.067	ng/ul#	66
29) Benzo(g,h,i)perylene	27.461	276	1589	0.071	ng/ul#	81

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

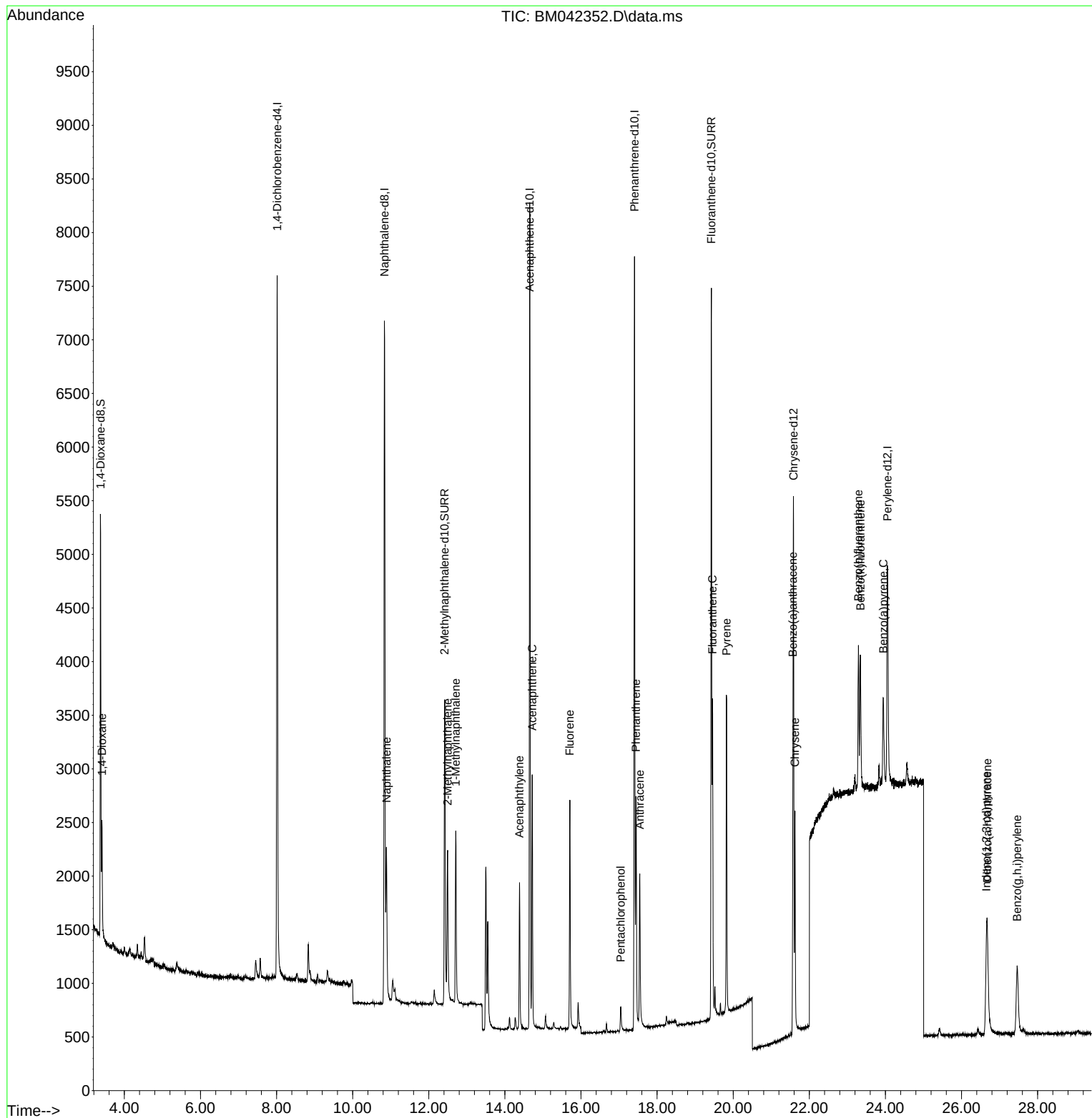
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101823\
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 ALS Vial : 12 Sample Multiplier: 1

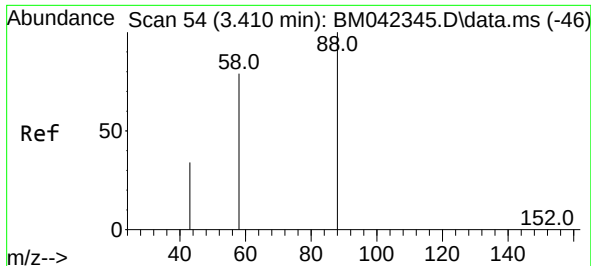
Instrument :
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Quant Time: Oct 18 16:59:44 2023
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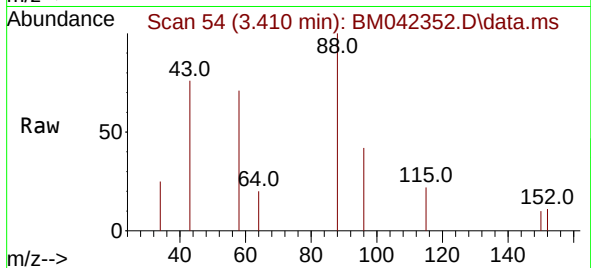
Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.105 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

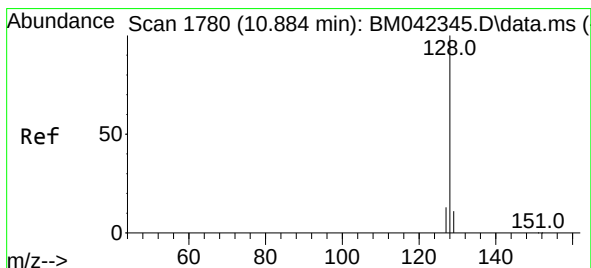
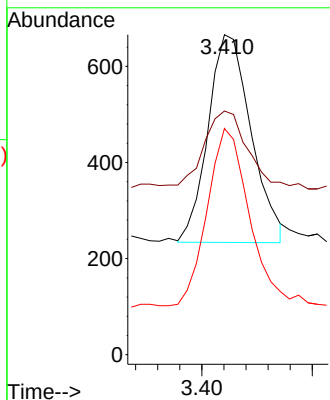
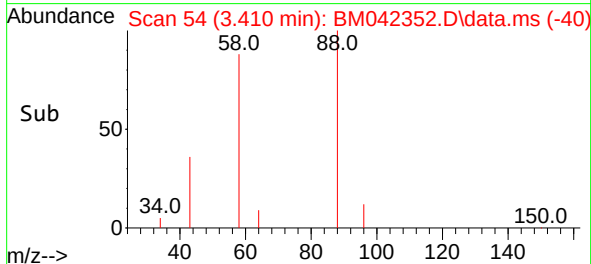
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion: 88 Resp: 584
Ion Ratio Lower Upper
88 100
43 76.1 41.0 61.6
58 70.7 60.9 91.3

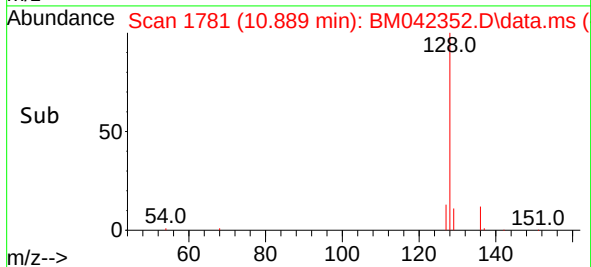
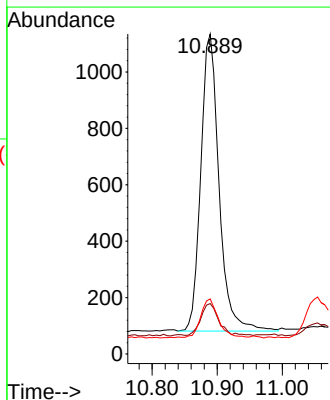
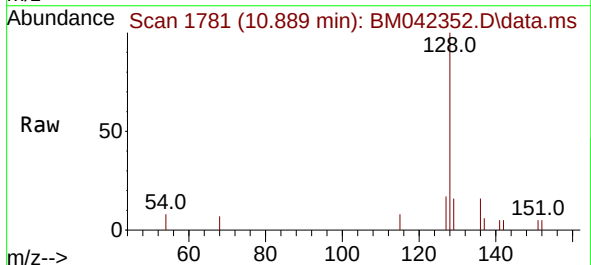
Manual Integrations
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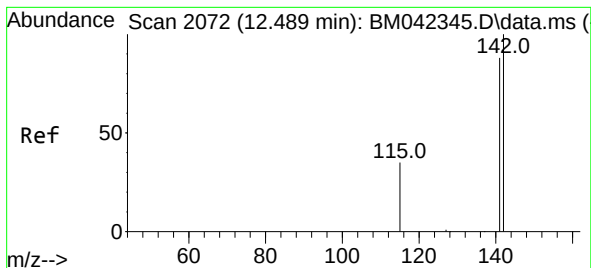
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.889 min Scan# 1781
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

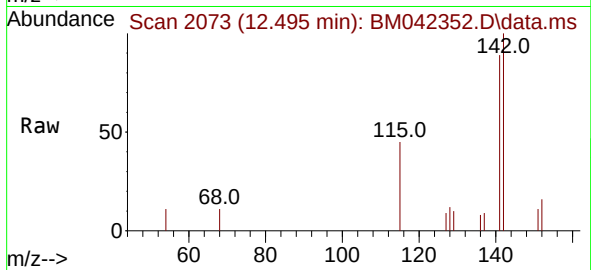
Tgt Ion:128 Resp: 2057
Ion Ratio Lower Upper
128 100
129 15.8 9.0 13.6#
127 17.2 10.6 16.0#





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.495 min Scan# 2073
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

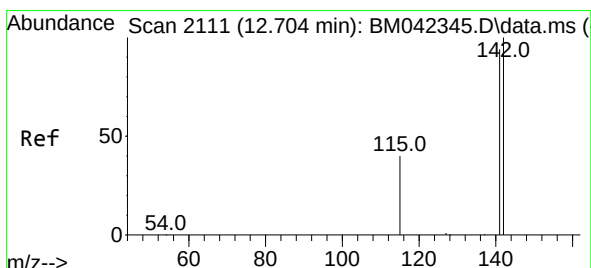
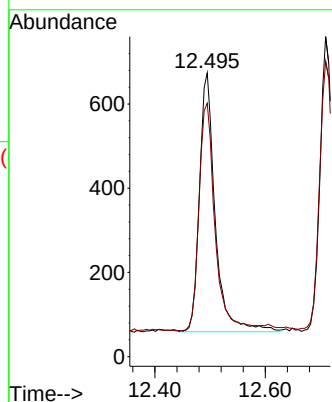
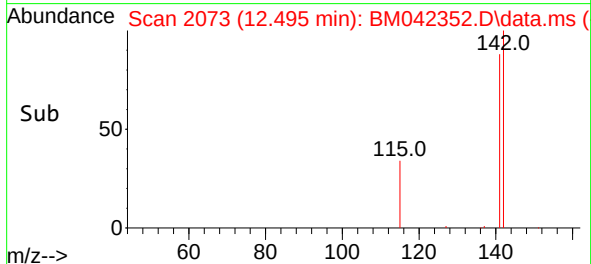
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ClientSampleId :
MDL-SOIL-QT2-2023-03



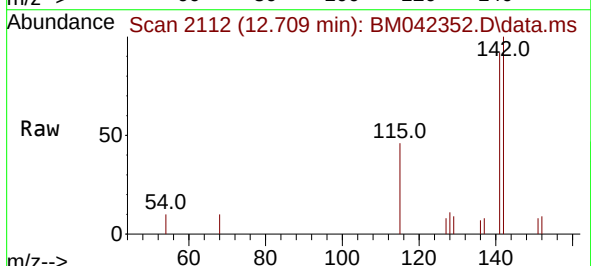
Tgt Ion:142 Resp: 1219
Ion Ratio Lower Upper
142 100
141 94.0 71.9 107.9

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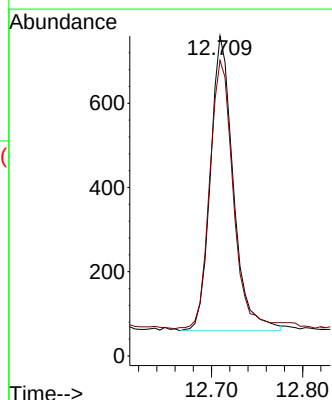
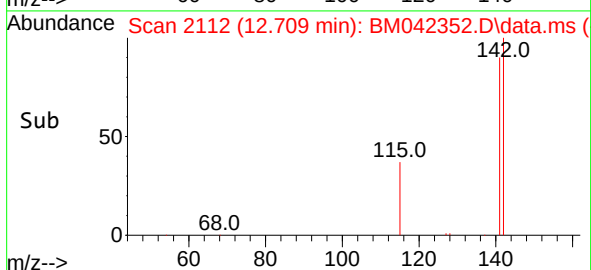
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

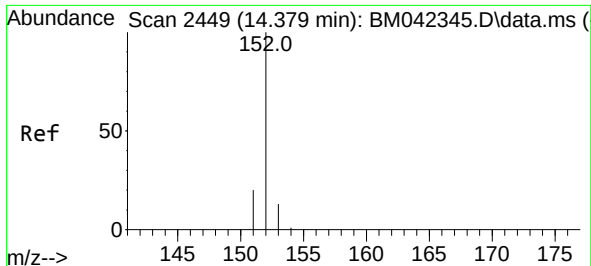


#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28



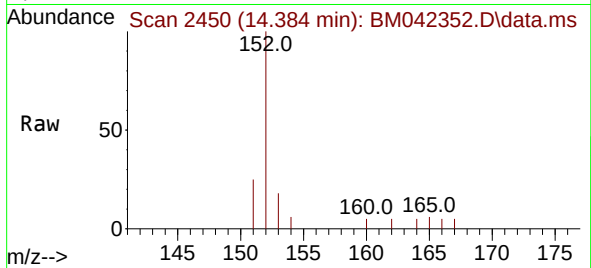
Tgt Ion:142 Resp: 1219
Ion Ratio Lower Upper
142 100
141 93.5 73.7 110.5





#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

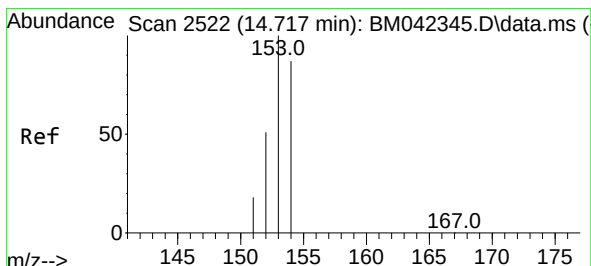
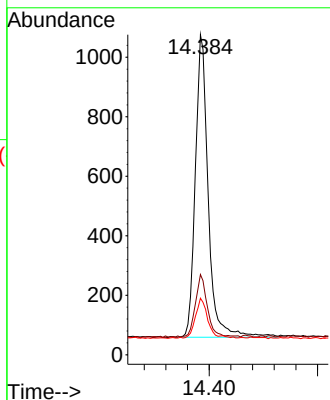
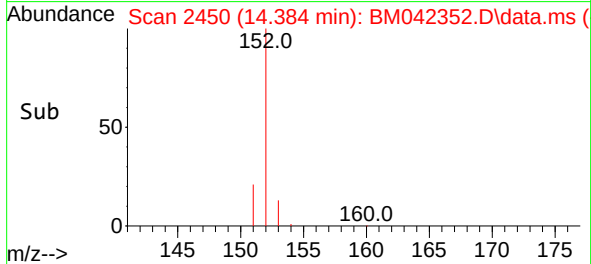
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:152 Resp: 1670
Ion Ratio Lower Upper
152 100
151 25.1 16.2 24.4
153 17.7 10.8 16.2

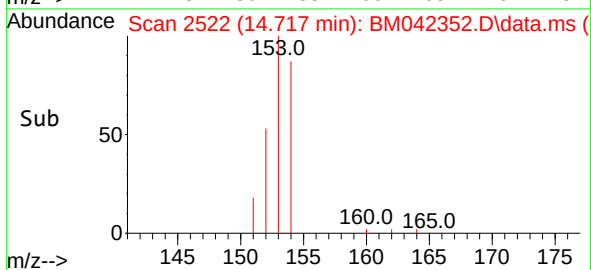
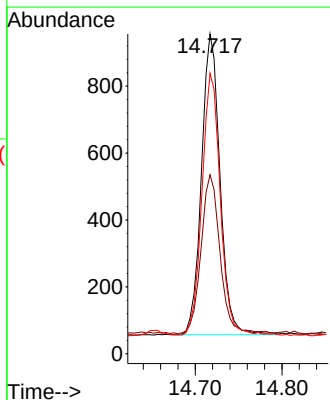
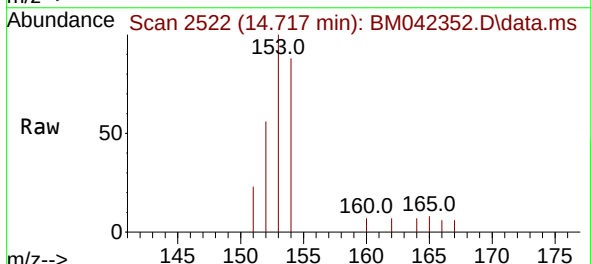
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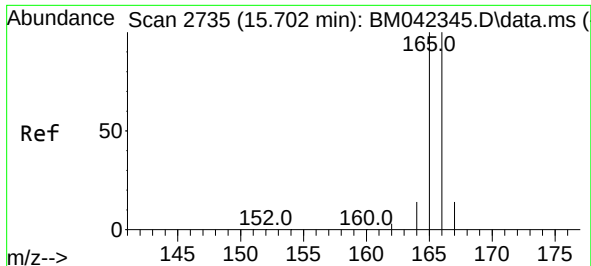
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

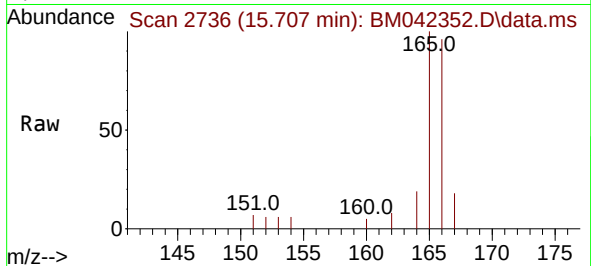
Tgt Ion:153 Resp: 1339
Ion Ratio Lower Upper
153 100
152 56.0 41.7 62.5
154 87.7 70.0 105.0





#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.707 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

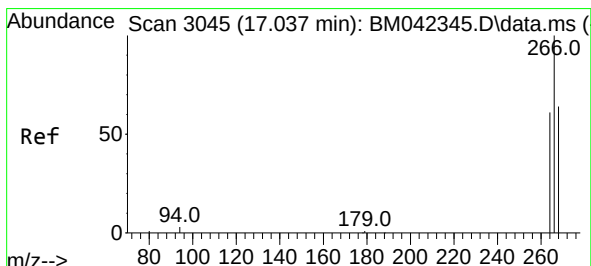
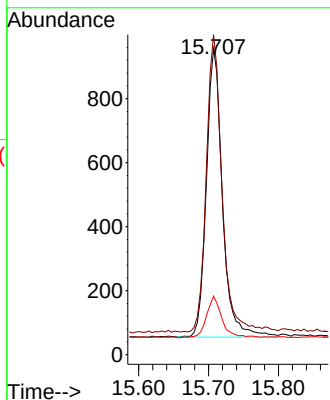
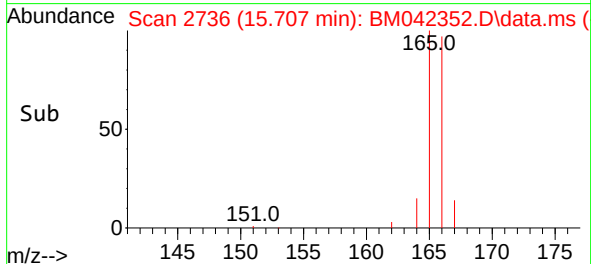
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:166 Resp: 144
Ion Ratio Lower Upper
166 100
165 104.6 80.3 120.5
167 19.1 11.4 17.2

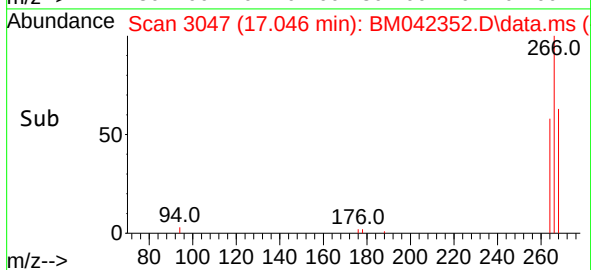
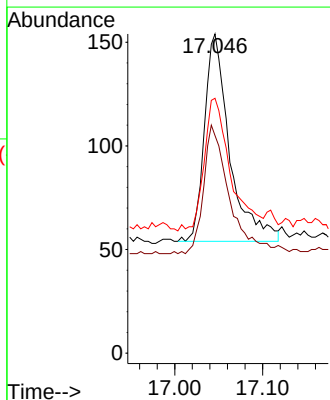
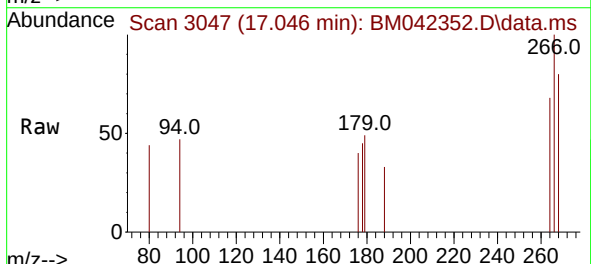
Manual Integrations
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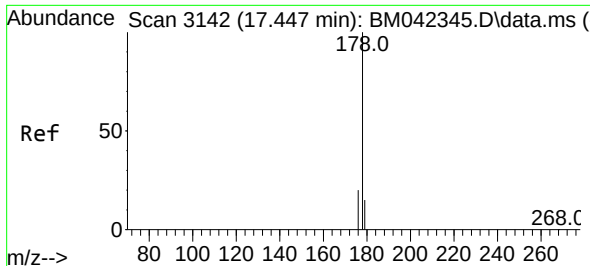
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#14
Pentachlorophenol
Concen: 0.068 ng/ul
RT: 17.046 min Scan# 3047
Delta R.T. 0.008 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

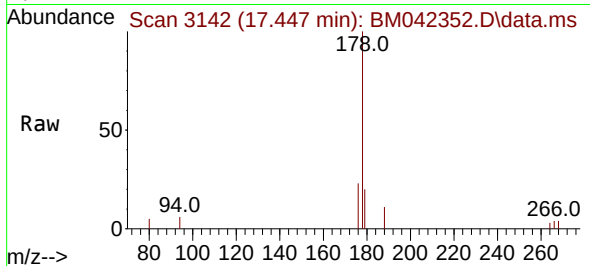
Tgt Ion:266 Resp: 200
Ion Ratio Lower Upper
266 100
264 63.5 49.8 74.8
268 63.5 51.9 77.9





#15
Phenanthrene
Concen: 0.069 ng/u1
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

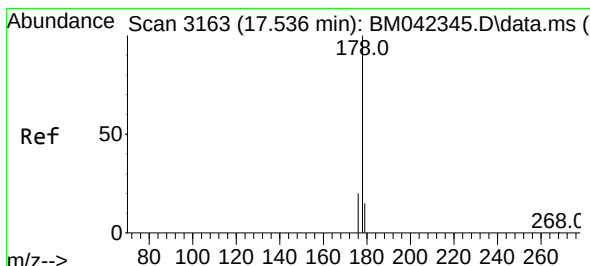
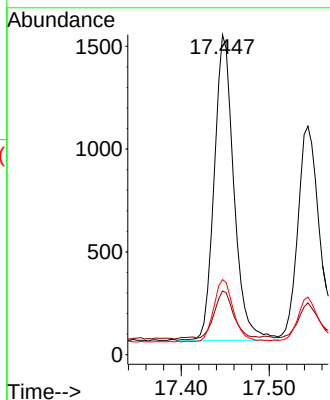
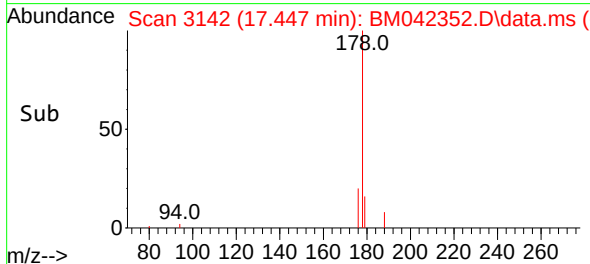
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BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



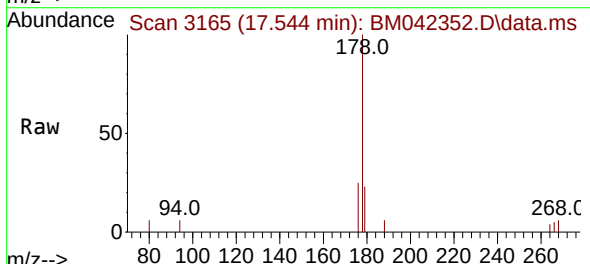
Tgt Ion:178 Resp: 230
Ion Ratio Lower Upper
178 100
179 19.9 12.6 19.0#
176 23.4 16.4 24.6

Manual Integrations
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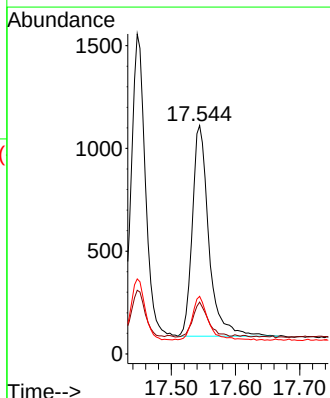
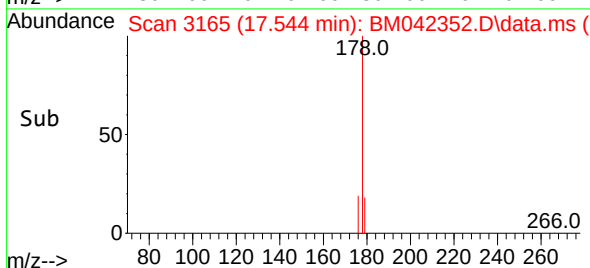
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

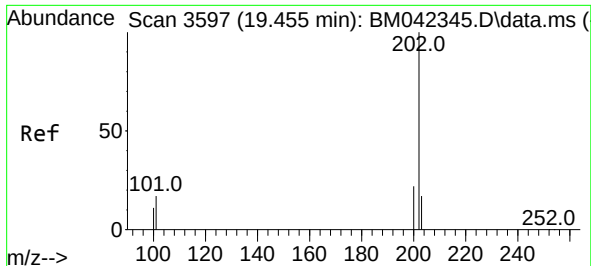


#16
Anthracene
Concen: 0.065 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28



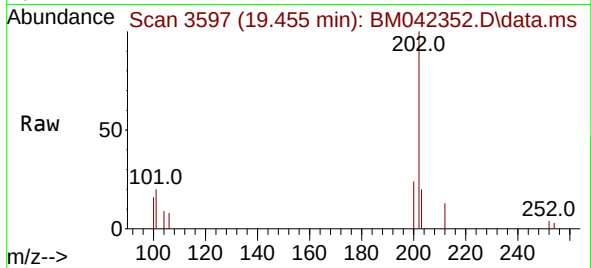
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Ion Ratio Lower Upper
178 100
179 22.7 12.9 19.3#
176 25.2 16.4 24.6#





#19
Fluoranthene
Concen: 0.067 ng/ul
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

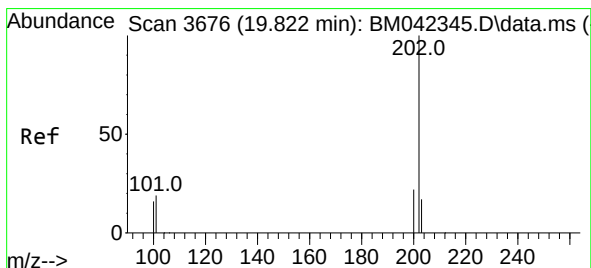
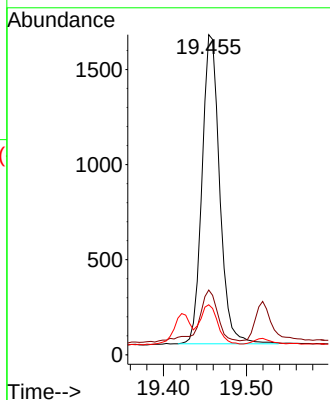
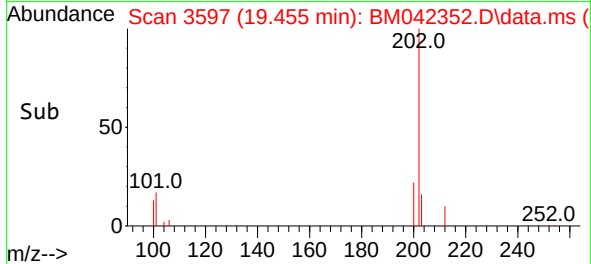
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BNA_M
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MDL-SOIL-QT2-2023-03



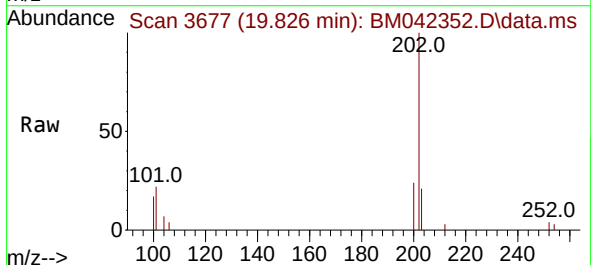
Tgt Ion:202 Resp: 2395
Ion Ratio Lower Upper
202 100
101 20.2 14.0 21.0
100 15.6 10.4 15.6

Manual Integrations
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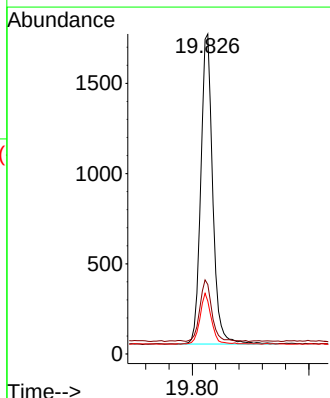
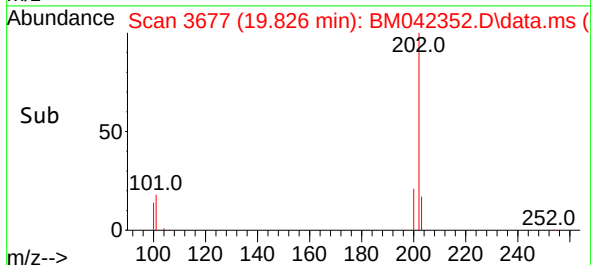
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

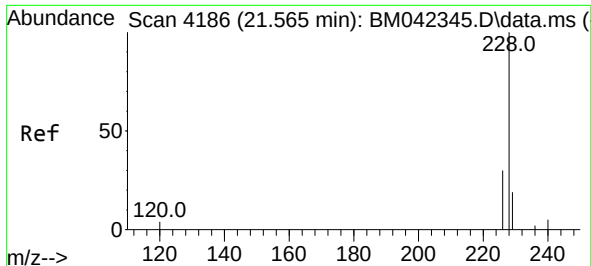


#20
Pyrene
Concen: 0.067 ng/ul
RT: 19.826 min Scan# 3677
Delta R.T. 0.005 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28



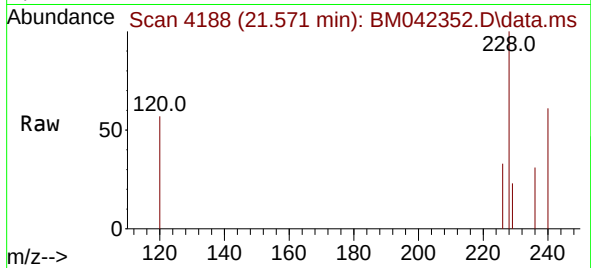
Tgt Ion:202 Resp: 2453
Ion Ratio Lower Upper
202 100
101 21.7 15.8 23.8
100 16.5 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.069 ng/u1
RT: 21.571 min Scan# 4188
Delta R.T. 0.006 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

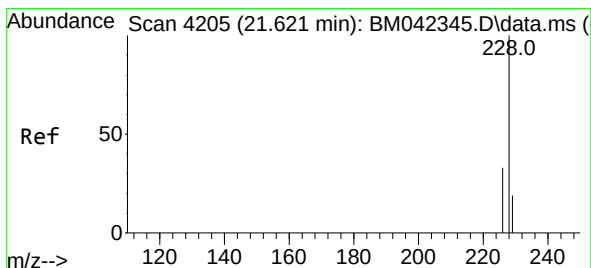
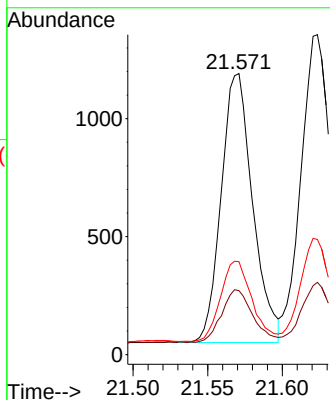
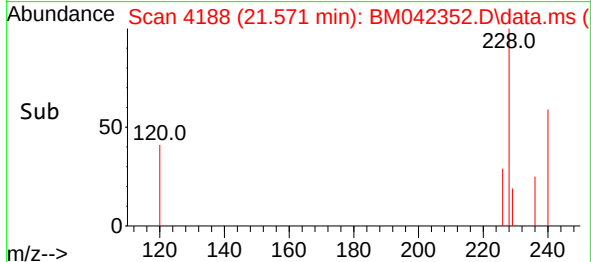
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:228 Resp: 1674
Ion Ratio Lower Upper
228 100
229 22.8 15.6 23.4
226 33.1 24.7 37.1

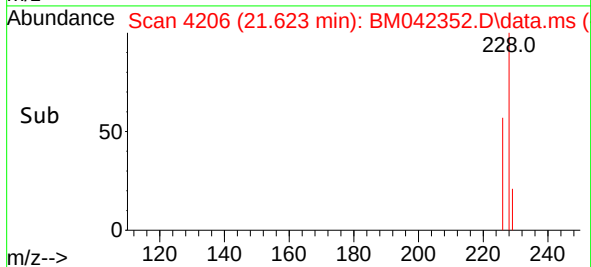
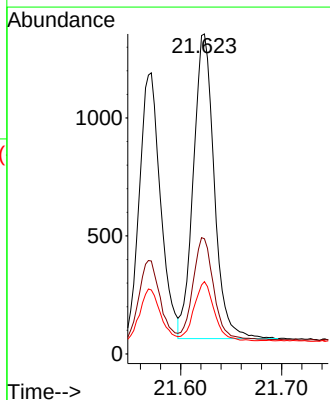
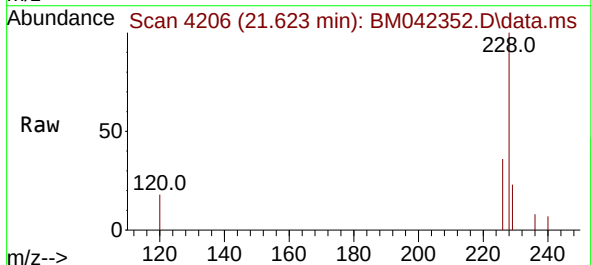
Manual Integrations
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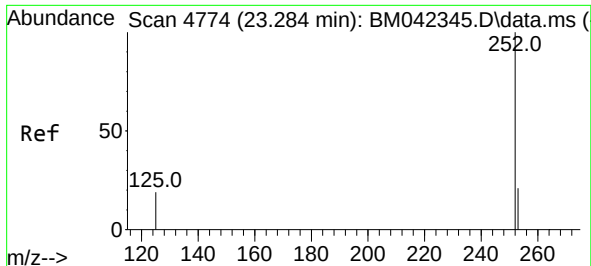
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#22
Chrysene
Concen: 0.075 ng/u1
RT: 21.623 min Scan# 4206
Delta R.T. 0.003 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

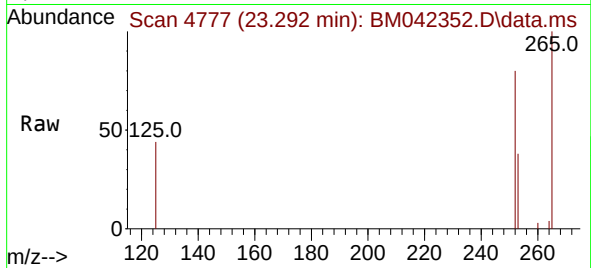
Tgt Ion:228 Resp: 1852
Ion Ratio Lower Upper
228 100
226 36.0 27.1 40.7
229 22.6 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.069 ng/ul
RT: 23.292 min Scan# 4777
Delta R.T. 0.009 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

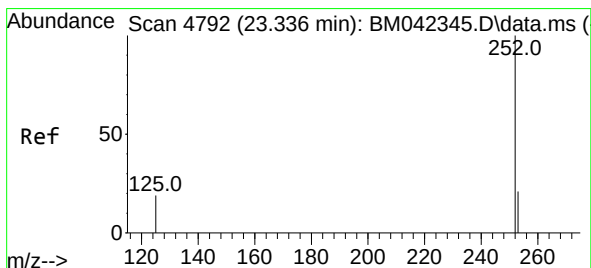
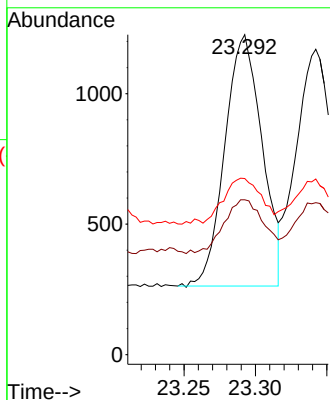
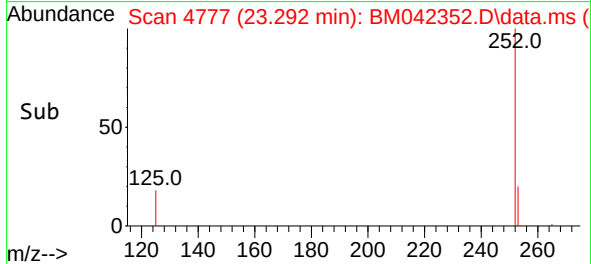
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



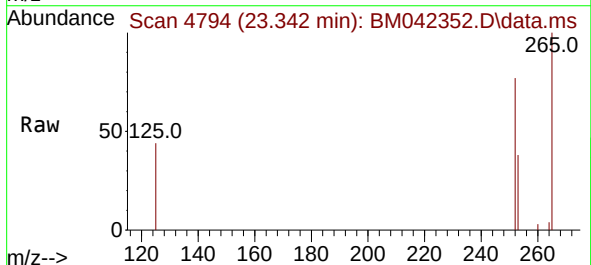
Tgt Ion:252 Resp: 174
Ion Ratio Lower Upper
252 100
253 48.4 0.0 56.4
125 55.1 0.0 56.0

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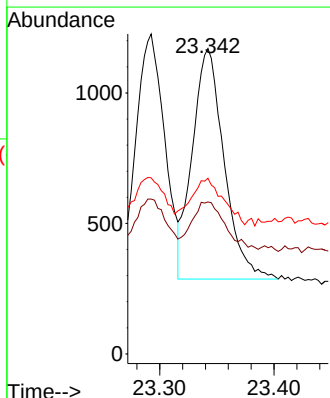
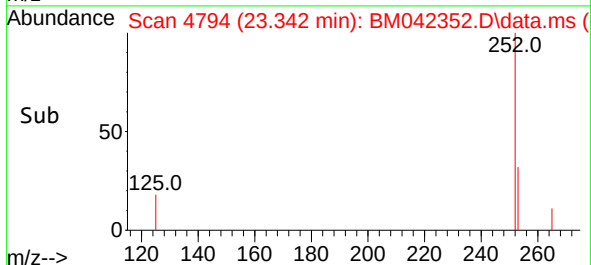
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

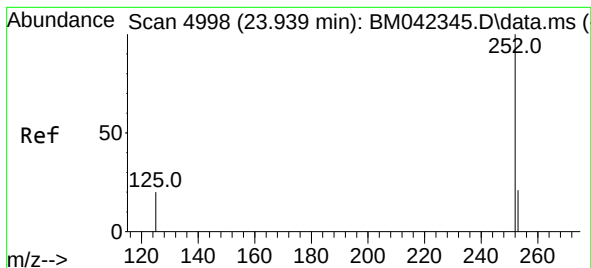


#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 23.342 min Scan# 4794
Delta R.T. 0.006 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28



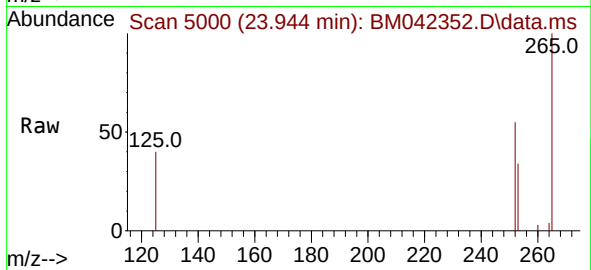
Tgt Ion:252 Resp: 1708
Ion Ratio Lower Upper
252 100
253 49.7 22.7 34.1#
125 57.5 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.073 ng/u1
RT: 23.944 min Scan# 5000
Delta R.T. 0.006 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

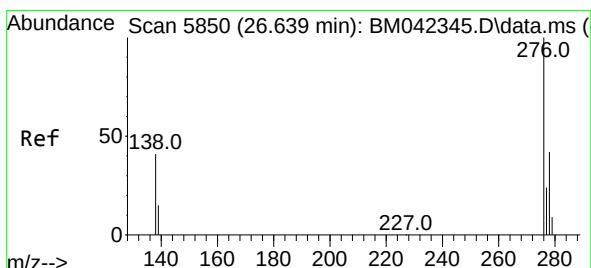
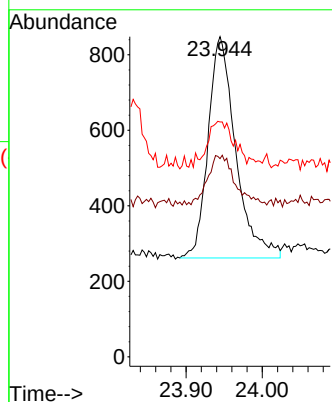
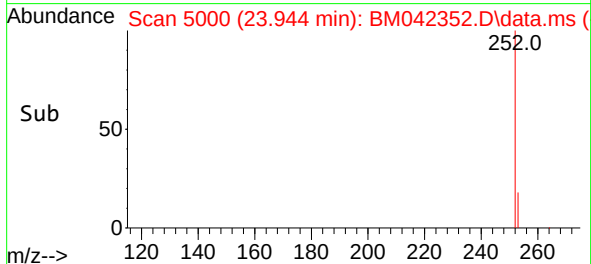
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:252 Resp: 1472
Ion Ratio Lower Upper
252 100
253 61.9 26.3 39.5
125 73.3 27.7 41.5

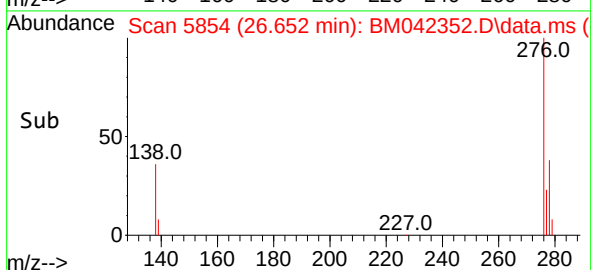
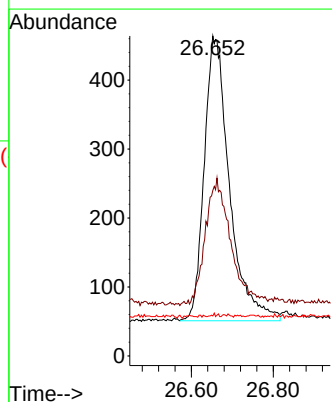
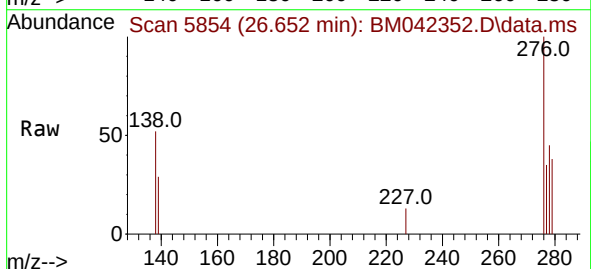
Manual Integrations
APPROVED

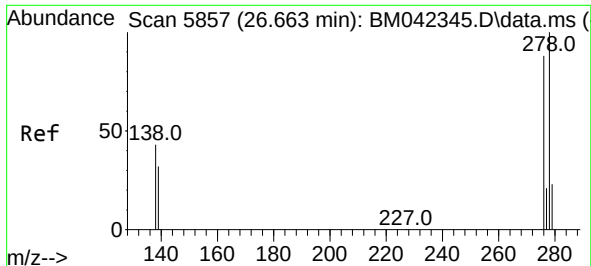
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng/u1
RT: 26.652 min Scan# 5854
Delta R.T. 0.013 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

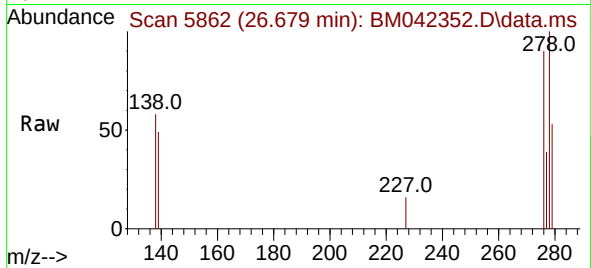
Tgt Ion:276 Resp: 1764
Ion Ratio Lower Upper
276 100
138 43.5 35.9 53.9
227 0.3 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 26.679 min Scan# 5862
Delta R.T. 0.017 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28

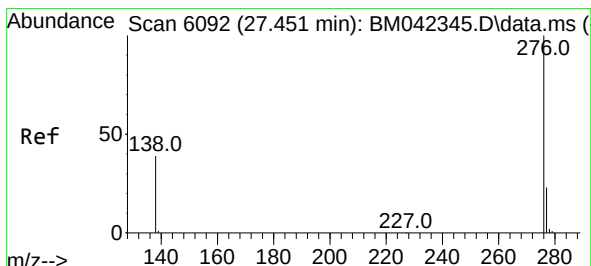
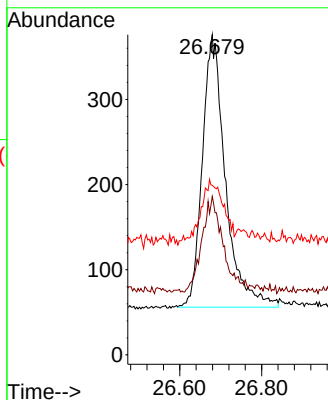
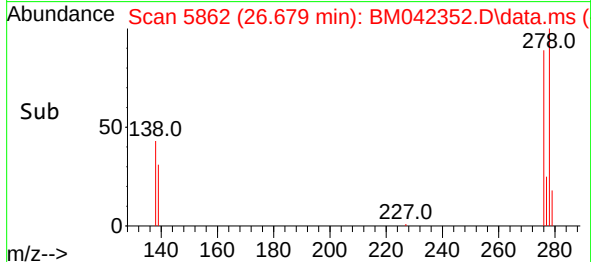
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



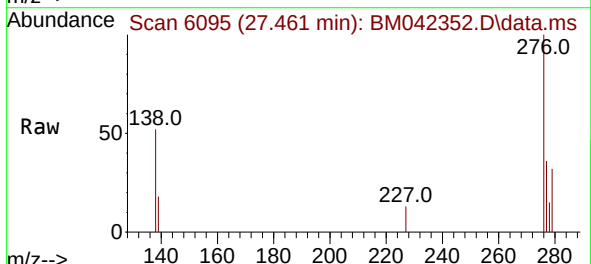
Tgt Ion:278 Resp: 1252
Ion Ratio Lower Upper
278 100
139 49.5 28.1 42.1#
279 52.9 22.9 34.3#

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Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#29
Benzo(g,h,i)perylene
Concen: 0.071 ng/ul
RT: 27.461 min Scan# 6095
Delta R.T. 0.010 min
Lab File: BM042352.D
Acq: 18 Oct 2023 16:28



Tgt Ion:276 Resp: 1589
Ion Ratio Lower Upper
276 100
138 52.1 33.3 49.9#
277 36.0 19.9 29.9#

