

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
 Data File : BM042373.D
 Acq On : 19 Oct 2023 16:52
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-SIM-MDL--SOIL-01
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 19 17:27:15 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	3683	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9631	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3988	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7541	0.400	ng/ul	0.00
17) Chrysene-d12	21.583	240	3092	0.400	ng/ul	0.00
23) Perylene-d12	24.050	264	3154	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2225	0.409	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4525	0.382	ng/ul	0.00
18) Fluoranthene-d10	19.427	212	5658	0.404	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	658m	0.114	ng/ul	
5) Naphthalene	10.884	128	2144	0.070	ng/ul#	89
7) 2-Methylnaphthalene	12.489	142	1218	0.068	ng/ul	98
8) 1-Methylnaphthalene	12.709	142	1193	0.065	ng/ul	96
10) Acenaphthylene	14.384	152	1634	0.068	ng/ul#	91
11) Acenaphthene	14.717	153	1353	0.069	ng/ul	97
12) Fluorene	15.707	166	1403	0.066	ng/ul#	94
14) Pentachlorophenol	17.042	266	232	0.080	ng/ul	96
15) Phenanthrene	17.447	178	2227	0.068	ng/ul#	89
16) Anthracene	17.544	178	1743	0.063	ng/ul#	89
19) Fluoranthene	19.455	202	2297	0.068	ng/ul#	93
20) Pyrene	19.822	202	2316	0.066	ng/ul	94
21) Benzo(a)anthracene	21.565	228	1576	0.068	ng/ul#	92
22) Chrysene	21.618	228	1739	0.073	ng/ul	95
24) Benzo(b)fluoranthene	23.287	252	1787	0.070	ng/ul	57
25) Benzo(k)fluoranthene	23.339	252	1690	0.069	ng/ul#	51
26) Benzo(a)pyrene	23.942	252	1477	0.073	ng/ul#	48
27) Indeno(1,2,3-cd)pyrene	26.653	276	1852	0.071	ng/ul	94
28) Dibenzo(a,h)anthracene	26.673	278	1327	0.071	ng/ul#	69
29) Benzo(g,h,i)perylene	27.451	276	1679	0.074	ng/ul#	83

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

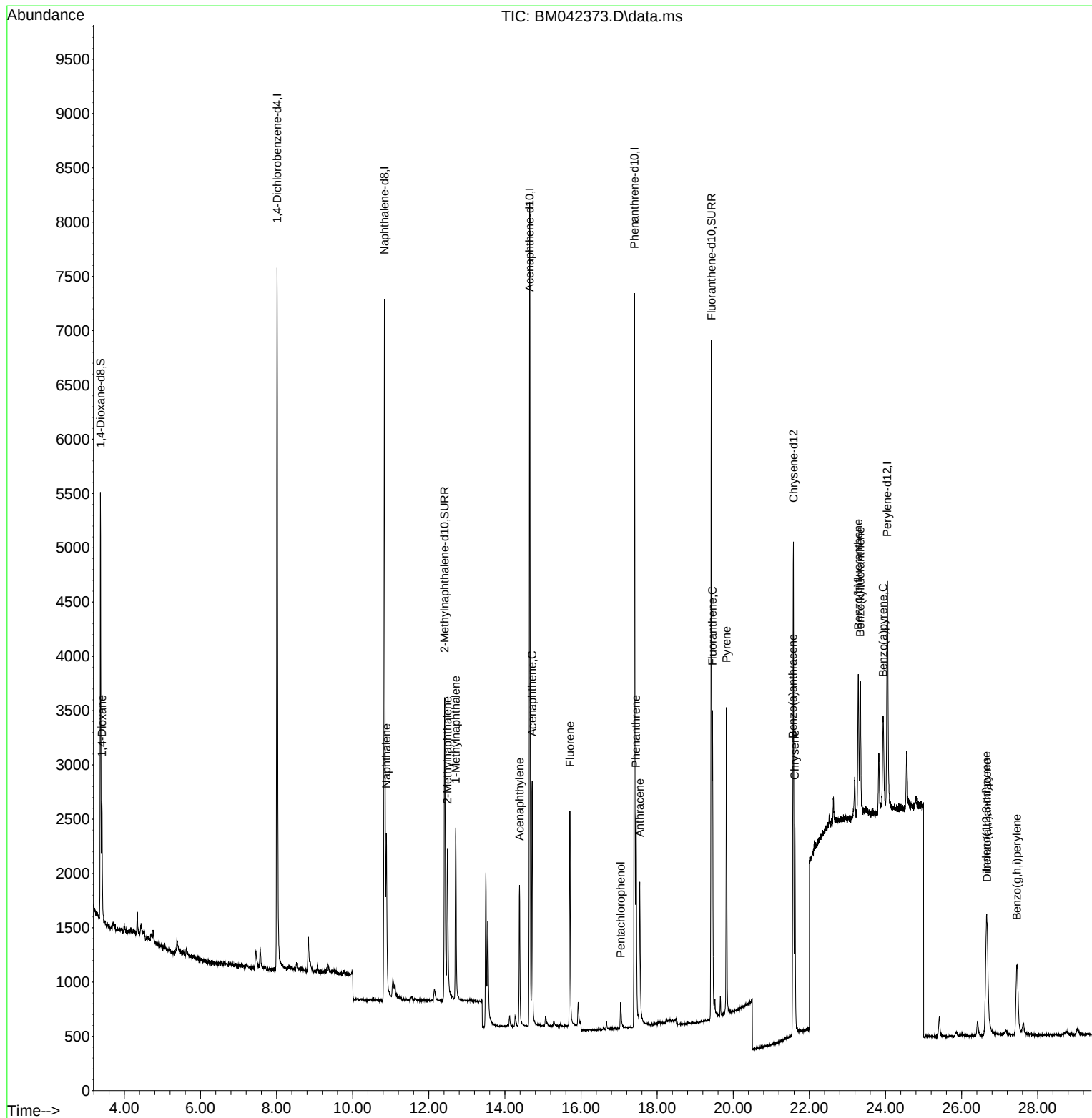
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042373.D
Acq On : 19 Oct 2023 16:52
Operator : MA/JU
Sample : 04696-03
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ALS Vial : 14 Sample Multiplier: 1

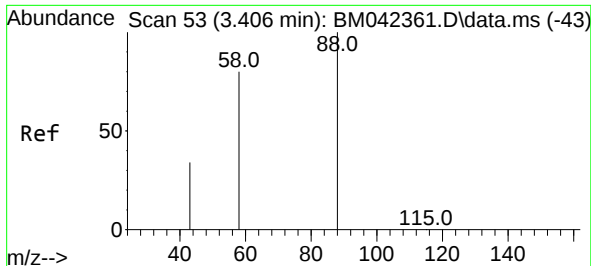
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07

Quant Time: Oct 19 17:27:15 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
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Manual Integrations
APPROVED

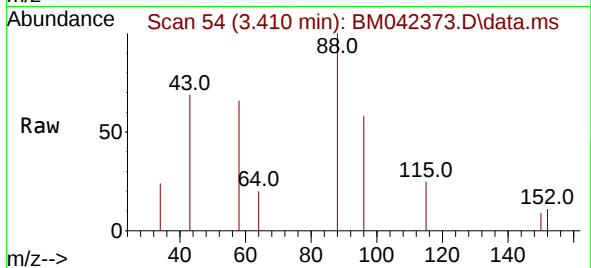
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.114 ng/ul m
RT: 3.410 min Scan# 54
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

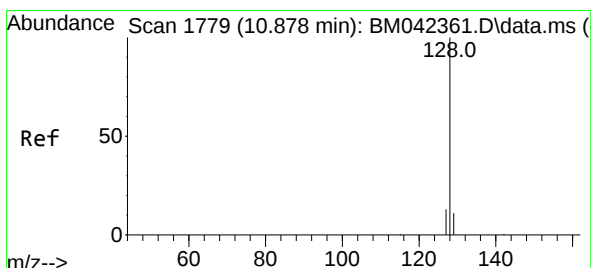
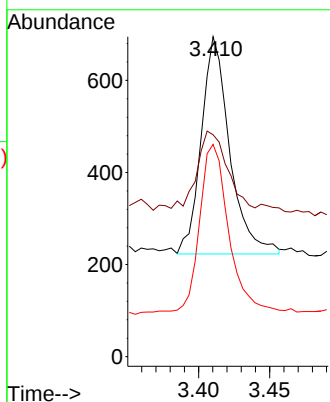
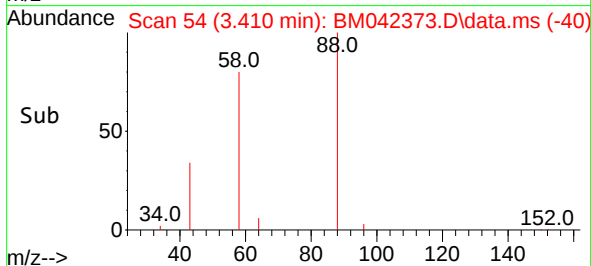
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 88 Resp: 658
Ion Ratio Lower Upper
88 100
43 69.4 41.0 61.6
58 66.3 60.9 91.3

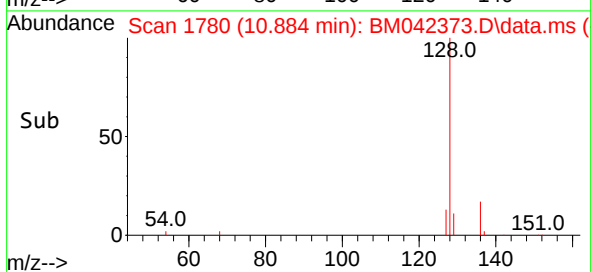
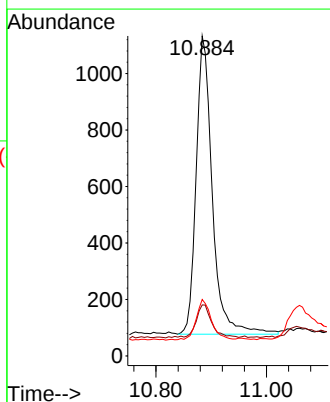
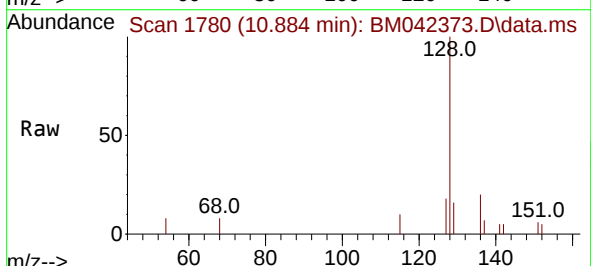
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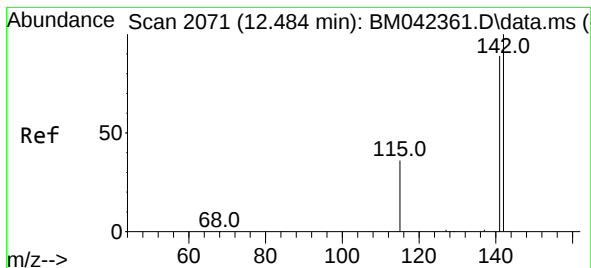
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

Tgt Ion:128 Resp: 2144
Ion Ratio Lower Upper
128 100
129 16.0 9.0 13.6#
127 17.7 10.6 16.0#





#7

2-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.489 min Scan# 2071

Delta R.T. 0.000 min

Lab File: BM042373.D

Acq: 19 Oct 2023 16:52

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:142 Resp: 1218

Ion Ratio Lower Upper

142 100

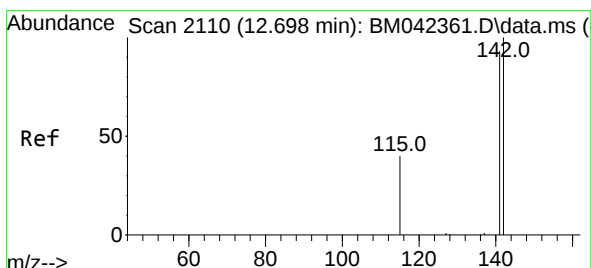
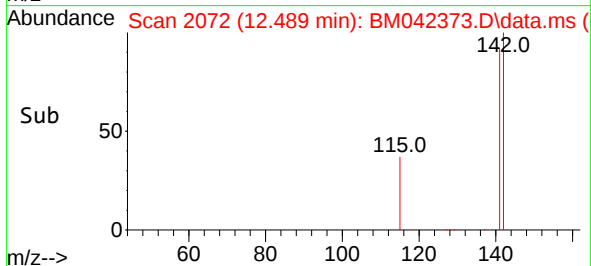
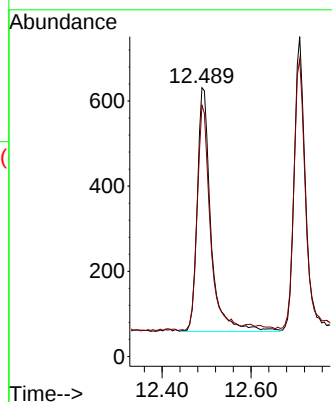
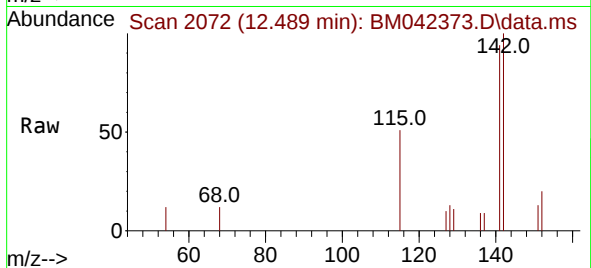
141 88.0 71.9 107.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2023

Supervised By :mohammad ahmed 10/21/2023



#8

1-Methylnaphthalene

Concen: 0.065 ng/ul

RT: 12.709 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BM042373.D

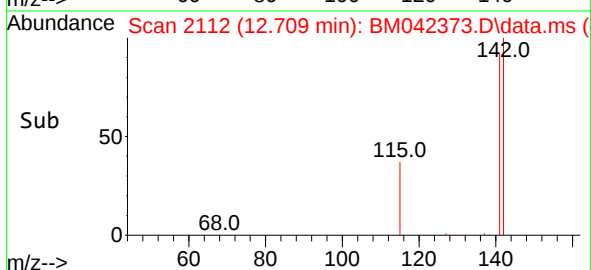
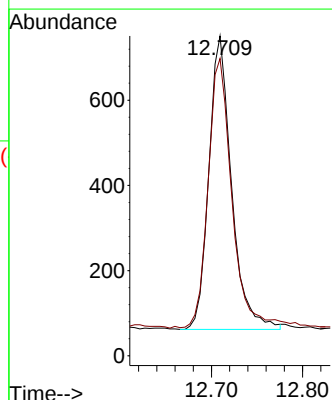
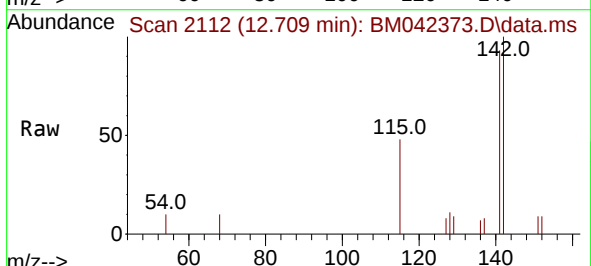
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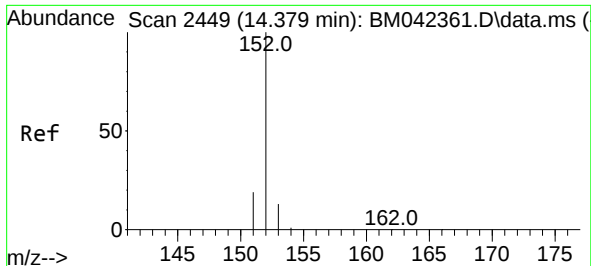
Tgt Ion:142 Resp: 1193

Ion Ratio Lower Upper

142 100

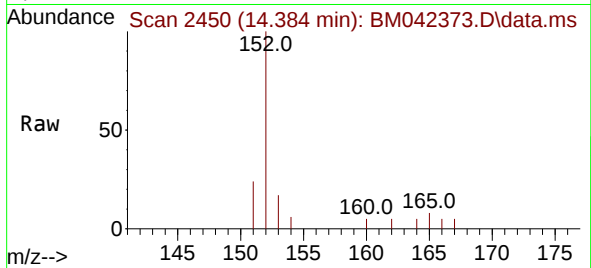
141 96.3 73.7 110.5





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.384 min Scan# 2449
Delta R.T. 0.005 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

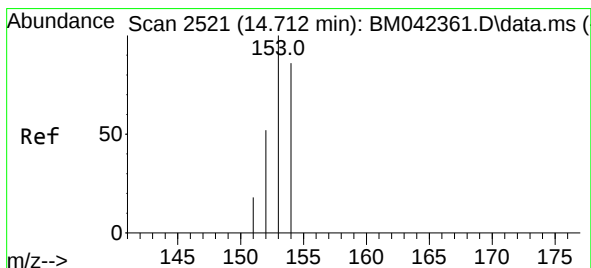
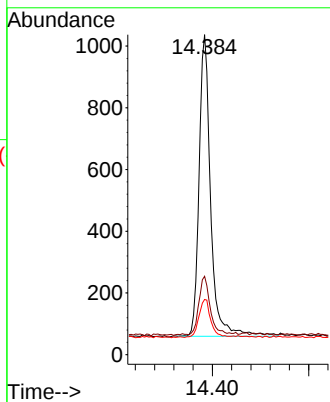
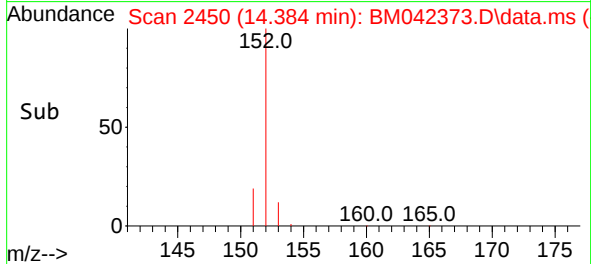
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:152 Resp: 1634
Ion Ratio Lower Upper
152 100
151 24.5 16.2 24.4
153 17.3 10.8 16.2

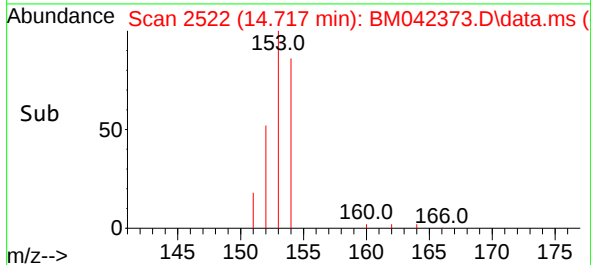
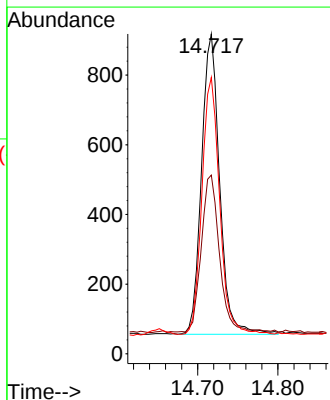
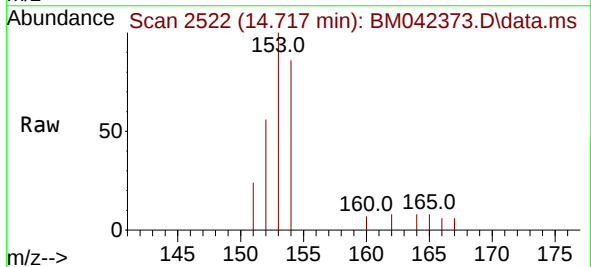
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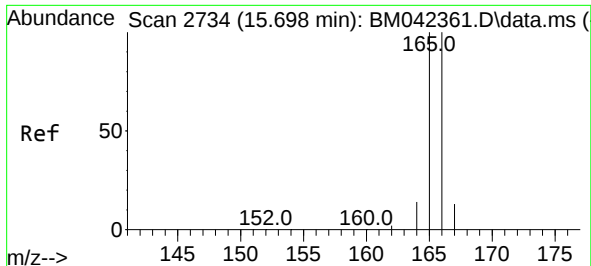
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

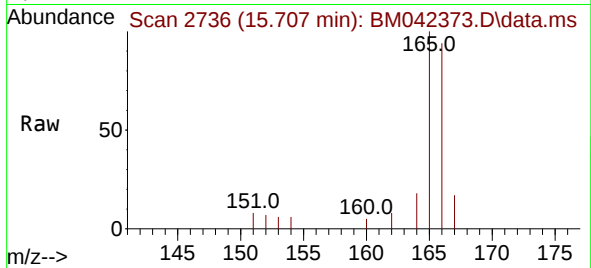
Tgt Ion:153 Resp: 1353
Ion Ratio Lower Upper
153 100
152 55.9 41.7 62.5
154 86.4 70.0 105.0





#12
Fluorene
Concen: 0.066 ng/ul
RT: 15.707 min Scan# 2734
Delta R.T. 0.005 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

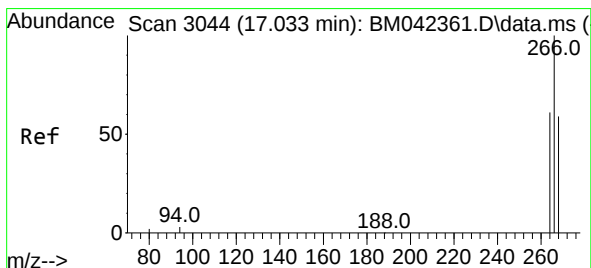
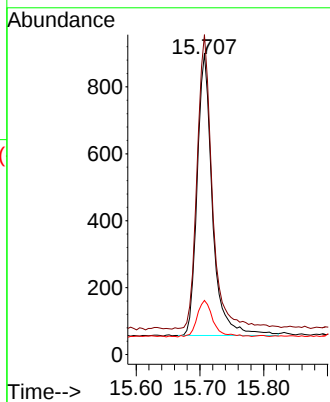
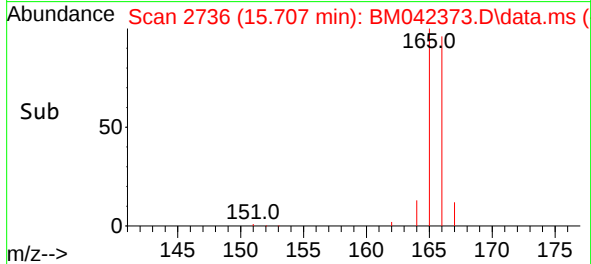
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:166 Resp: 140
Ion Ratio Lower Upper
166 100
165 106.2 80.3 120.5
167 18.0 11.4 17.2

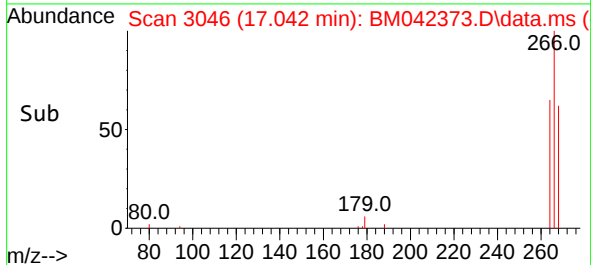
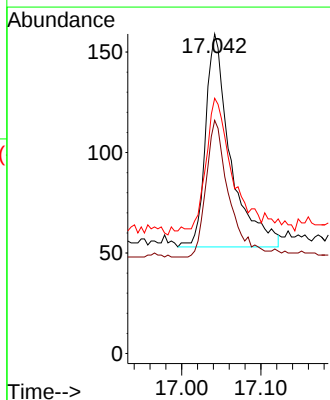
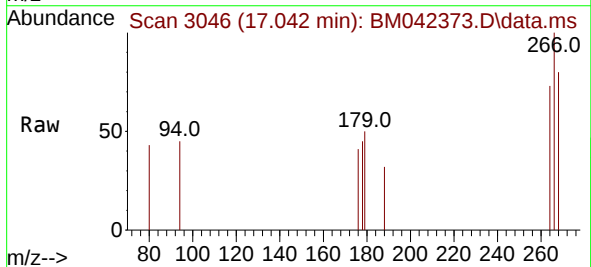
Manual Integrations
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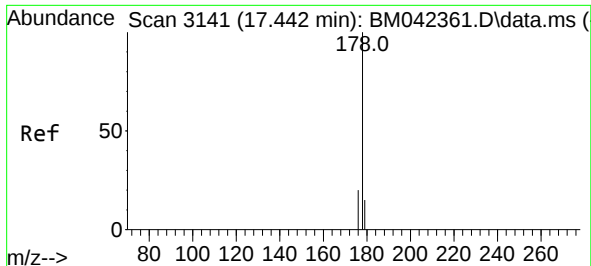
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#14
Pentachlorophenol
Concen: 0.080 ng/ul
RT: 17.042 min Scan# 3046
Delta R.T. 0.004 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

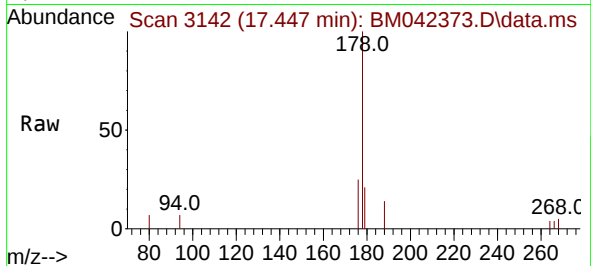
Tgt Ion:266 Resp: 232
Ion Ratio Lower Upper
266 100
264 59.9 49.8 74.8
268 61.6 51.9 77.9





#15
Phenanthrene
Concen: 0.068 ng/u1
RT: 17.447 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

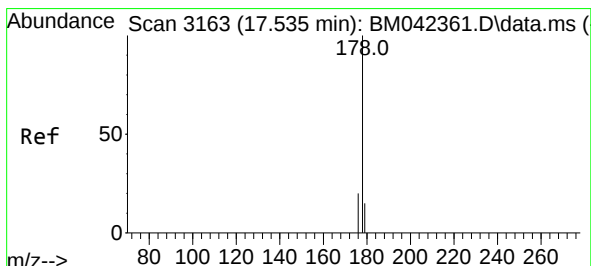
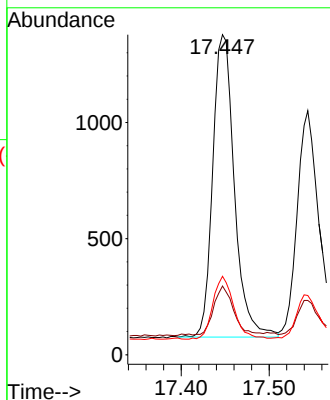
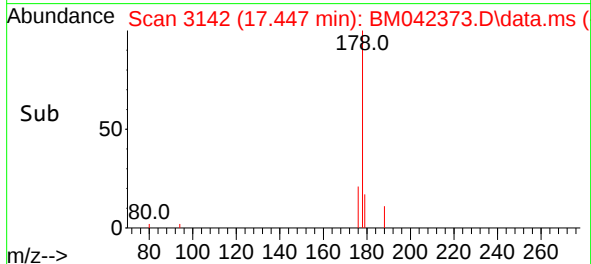
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:178 Resp: 222
Ion Ratio Lower Upper
178 100
179 21.5 12.6 19.0
176 24.5 16.4 24.6

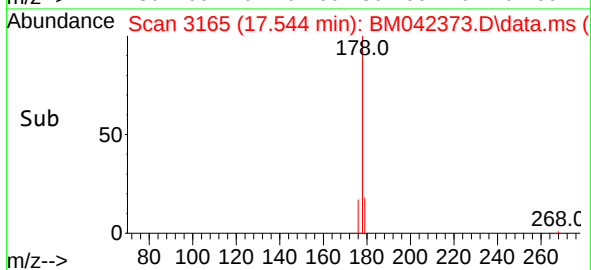
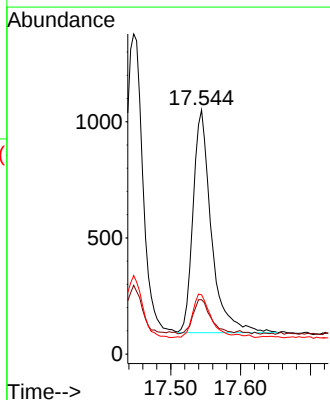
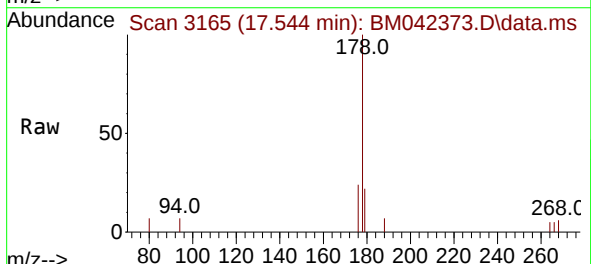
Manual Integrations
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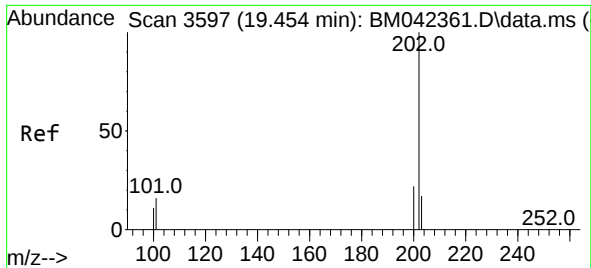
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.063 ng/u1
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

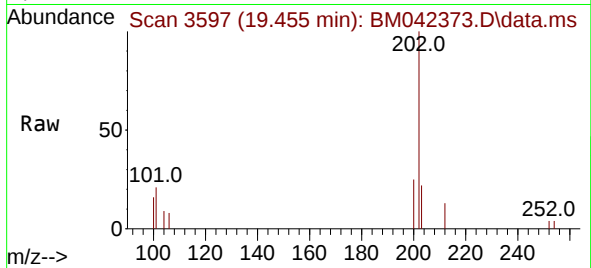
Tgt Ion:178 Resp: 1743
Ion Ratio Lower Upper
178 100
179 22.3 12.9 19.3
176 24.3 16.4 24.6





#19
Fluoranthene
Concen: 0.068 ng/u1
RT: 19.455 min Scan# 3597
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

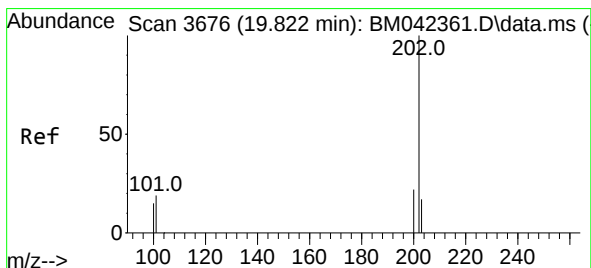
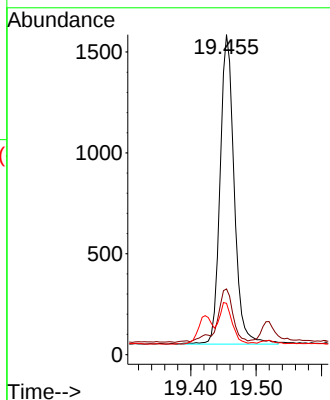
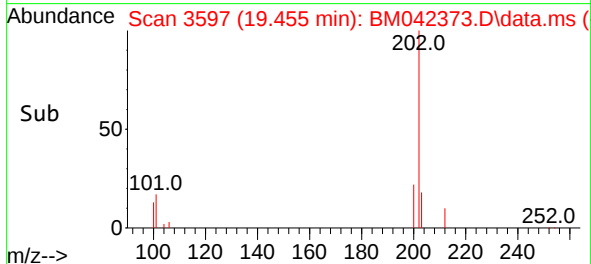
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:202 Resp: 2297
Ion Ratio Lower Upper
202 100
101 20.6 14.0 21.0
100 16.0 10.4 15.6

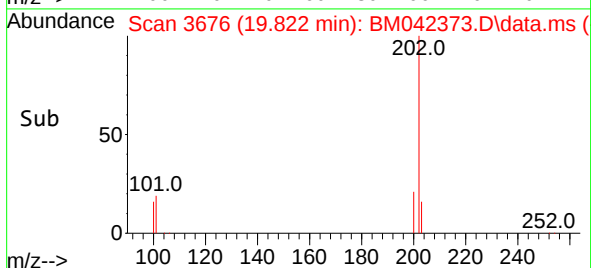
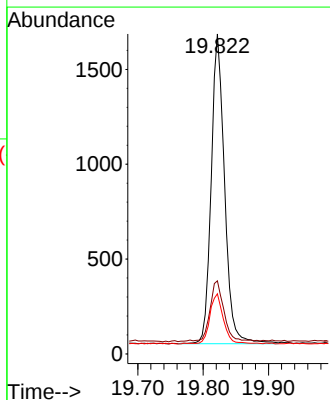
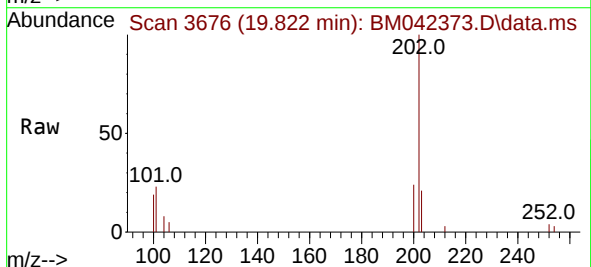
Manual Integrations
APPROVED

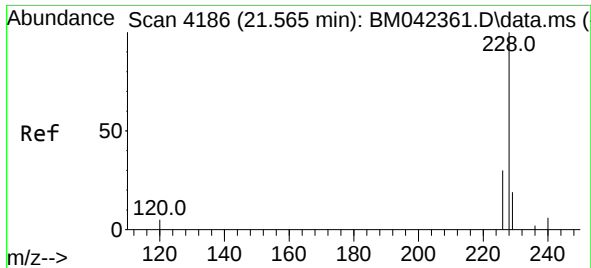
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.066 ng/u1
RT: 19.822 min Scan# 3676
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

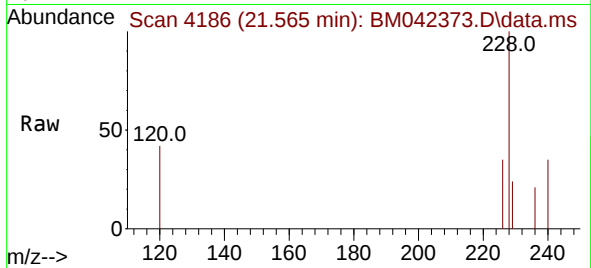
Tgt Ion:202 Resp: 2316
Ion Ratio Lower Upper
202 100
101 22.8 15.8 23.8
100 18.8 12.9 19.3





#21
Benzo(a)anthracene
Concen: 0.068 ng/u1
RT: 21.565 min Scan# 4186
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

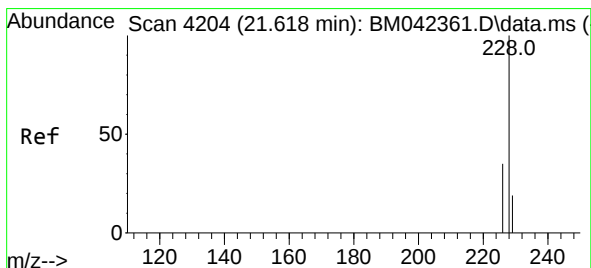
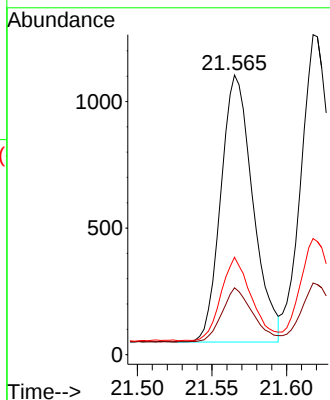
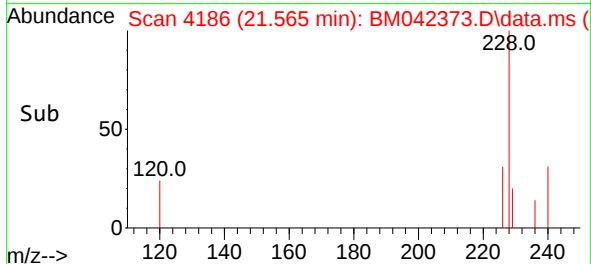
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



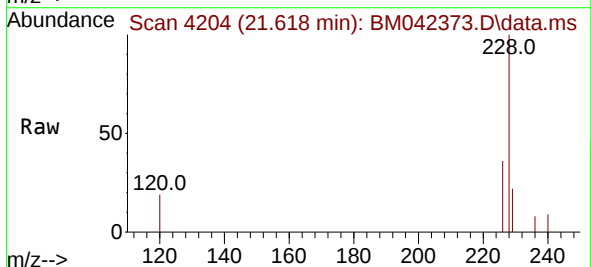
Tgt Ion:228 Resp: 1570
Ion Ratio Lower Upper
228 100
229 23.9 15.6 23.4
226 34.8 24.7 37.1

Manual Integrations
APPROVED

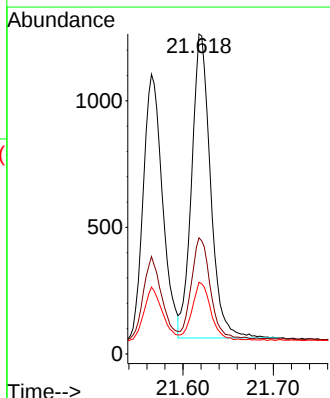
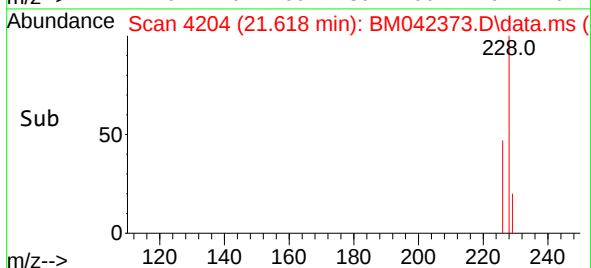
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

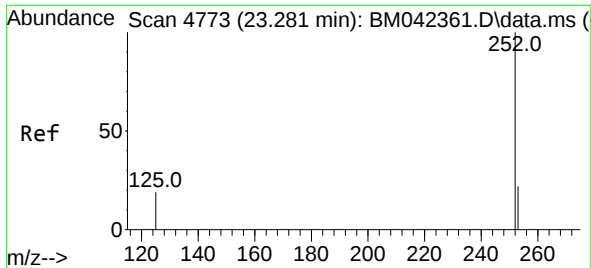


#22
Chrysene
Concen: 0.073 ng/u1
RT: 21.618 min Scan# 4204
Delta R.T. -0.003 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52



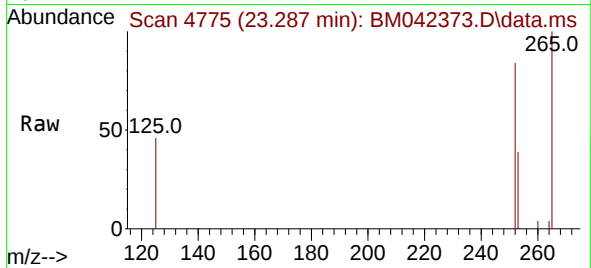
Tgt Ion:228 Resp: 1739
Ion Ratio Lower Upper
228 100
226 36.3 27.1 40.7
229 22.4 15.8 23.8





#24
Benzo(b)fluoranthene
Concen: 0.070 ng/u1
RT: 23.287 min Scan# 4773
Delta R.T. 0.003 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

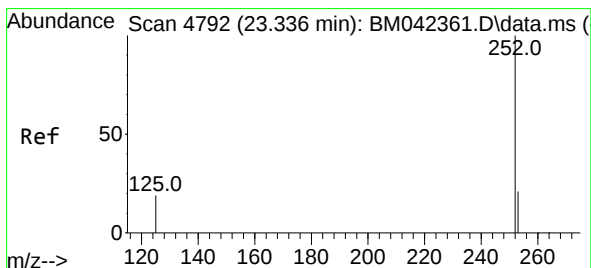
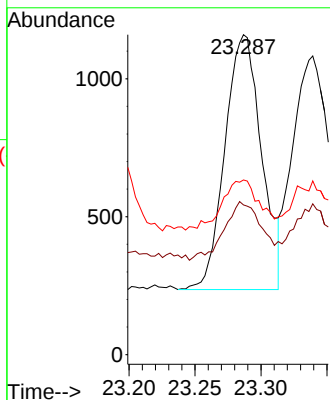
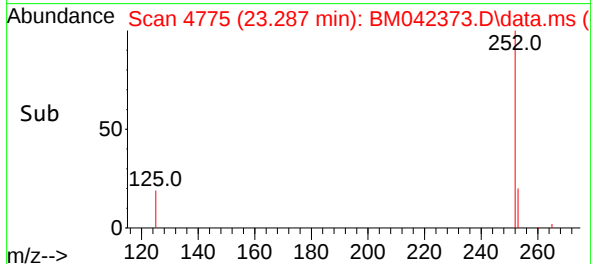
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



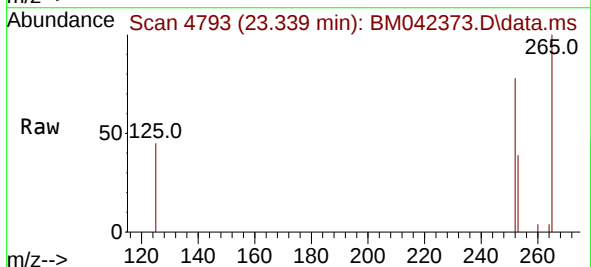
Tgt Ion:252 Resp: 178
Ion Ratio Lower Upper
252 100
253 46.8 0.0 56.4
125 54.6 0.0 56.0

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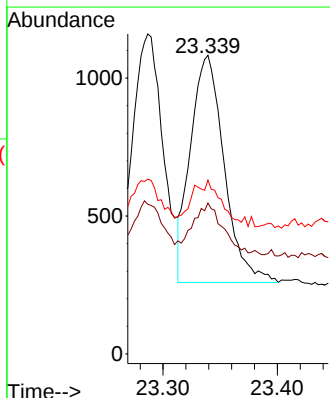
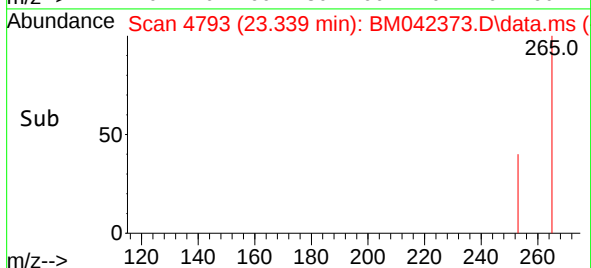
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023

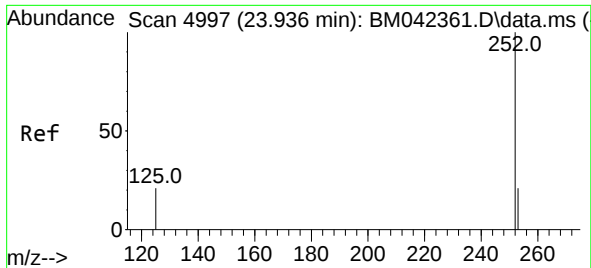


#25
Benzo(k)fluoranthene
Concen: 0.069 ng/u1
RT: 23.339 min Scan# 4793
Delta R.T. 0.003 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52



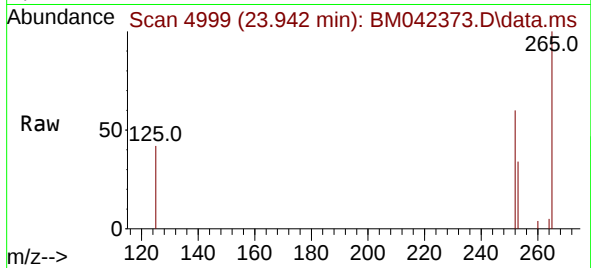
Tgt Ion:252 Resp: 1690
Ion Ratio Lower Upper
252 100
253 50.5 22.7 34.1#
125 58.2 23.0 34.4#





#26
Benzo(a)pyrene
Concen: 0.073 ng/u1
RT: 23.942 min Scan# 4999
Delta R.T. 0.003 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

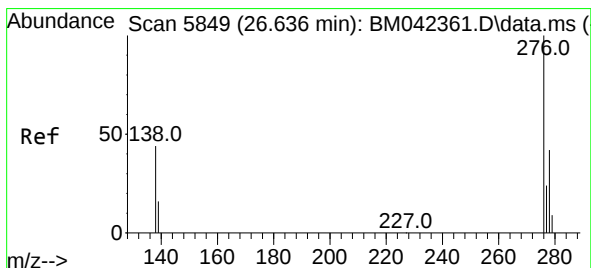
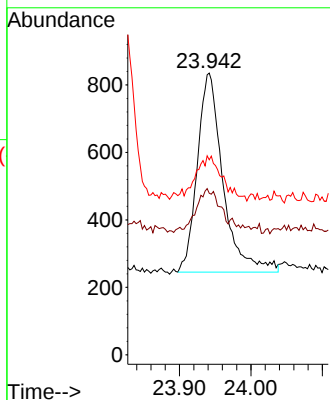
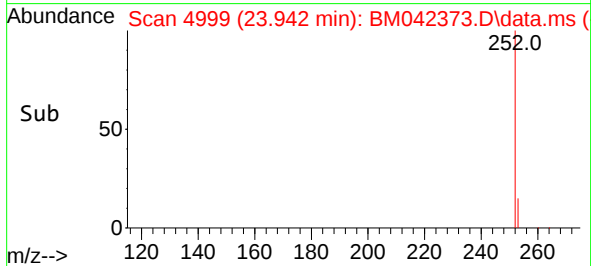
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:252 Resp: 147
Ion Ratio Lower Upper
252 100
253 57.4 26.3 39.5
125 69.2 27.7 41.5

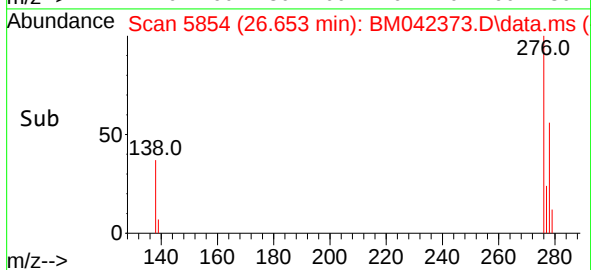
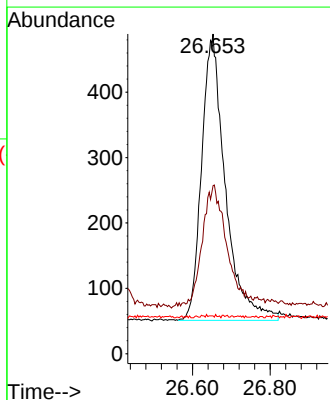
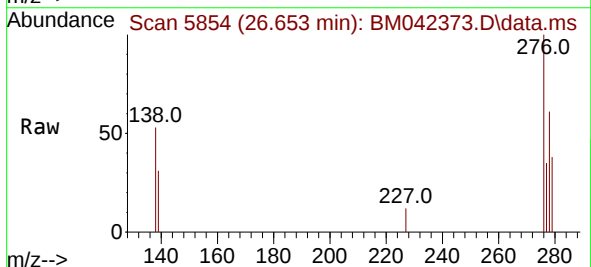
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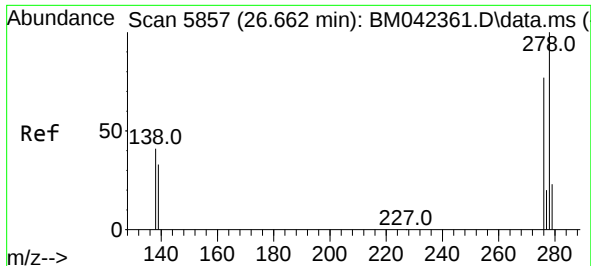
Reviewed By :Yogesh Patel 10/21/2023
Supervised By :mohammad ahmed 10/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng/u1
RT: 26.653 min Scan# 5854
Delta R.T. 0.014 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

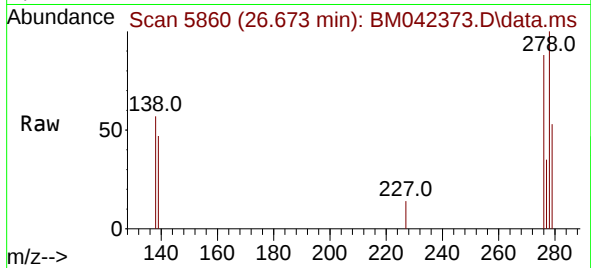
Tgt Ion:276 Resp: 1852
Ion Ratio Lower Upper
276 100
138 41.2 35.9 53.9
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 26.673 min Scan# 5860
Delta R.T. 0.011 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

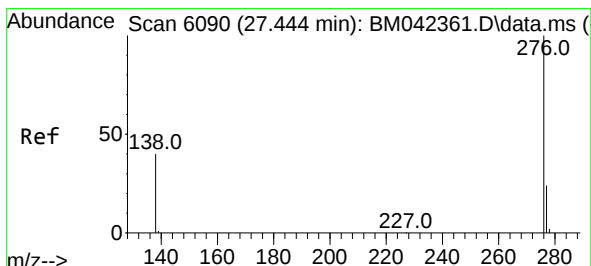
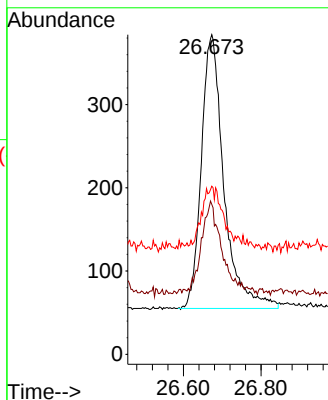
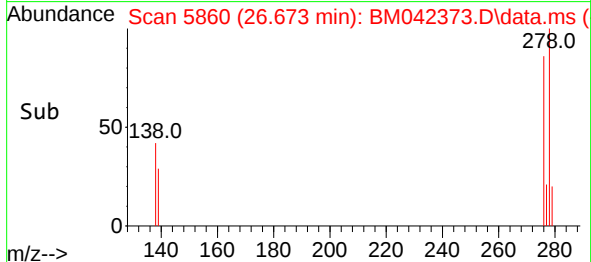
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:278 Resp: 132
Ion Ratio Lower Upper
278 100
139 46.9 28.1 42.1#
279 52.6 22.9 34.3#

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



#29
Benzo(g,h,i)perylene
Concen: 0.074 ng/ul
RT: 27.451 min Scan# 6092
Delta R.T. 0.000 min
Lab File: BM042373.D
Acq: 19 Oct 2023 16:52

Tgt Ion:276 Resp: 1679
Ion Ratio Lower Upper
276 100
138 51.1 33.3 49.9#
277 35.6 19.9 29.9#

