

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030422\
 Data File : BM034132.D
 Acq On : 04 Mar 2022 11:43
 Operator : CG/JU
 Sample : N1331-03
 Misc : SFAM-SIM-MDL-SOIL01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2022-01

Quant Time: Mar 04 12:15:00 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 03 14:59:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/04/2022
 Supervised By :mohammad ahmed 03/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.000	152	2778	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.812	136	7301	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.634	164	4803	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	11112	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.542	240	9152	0.400	ng/ul	# 0.00
23) Perylene-d12	23.985	264	8780	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	1933	0.598	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.396	152	3486	0.310	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	9186	0.333	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.410	88	193	0.062	ng/ul#	58
5) Naphthalene	10.861	128	1273	0.063	ng/ul	99
7) 2-Methylnaphthalene	12.473	142	871	0.061	ng/ul	99
8) 1-Methylnaphthalene	12.687	142	858	0.061	ng/ul	98
10) Acenaphthylene	14.356	152	1278	0.063	ng/ul	98
11) Acenaphthene	14.694	153	1036	0.063	ng/ul	95
12) Fluorene	15.679	166	1202	0.061	ng/ul	97
14) Pentachlorophenol	17.029	266	294	0.083	ng/ul	98
15) Phenanthrene	17.413	178	2079	0.062	ng/ul	99
16) Anthracene	17.506	178	1779	0.058	ng/ul	97
19) Fluoranthene	19.422	202	2453	0.065	ng/ul	96
20) Pyrene	19.784	202	2474	0.066	ng/ul	97
21) Benzo(a)anthracene	21.527	228	1988	0.062	ng/ul	99
22) Chrysene	21.580	228	2230	0.066	ng/ul	98
24) Benzo(b)fluoranthene	23.243	252	2392m	0.067	ng/ul	
25) Benzo(k)fluoranthene	23.289	252	2354	0.065	ng/ul#	76
26) Benzo(a)pyrene	23.877	252	2009	0.067	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	26.539	276	2640	0.063	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.569	278	2151	0.062	ng/ul#	70
29) Benzo(g,h,i)perylene	27.327	276	2270	0.061	ng/ul	94

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

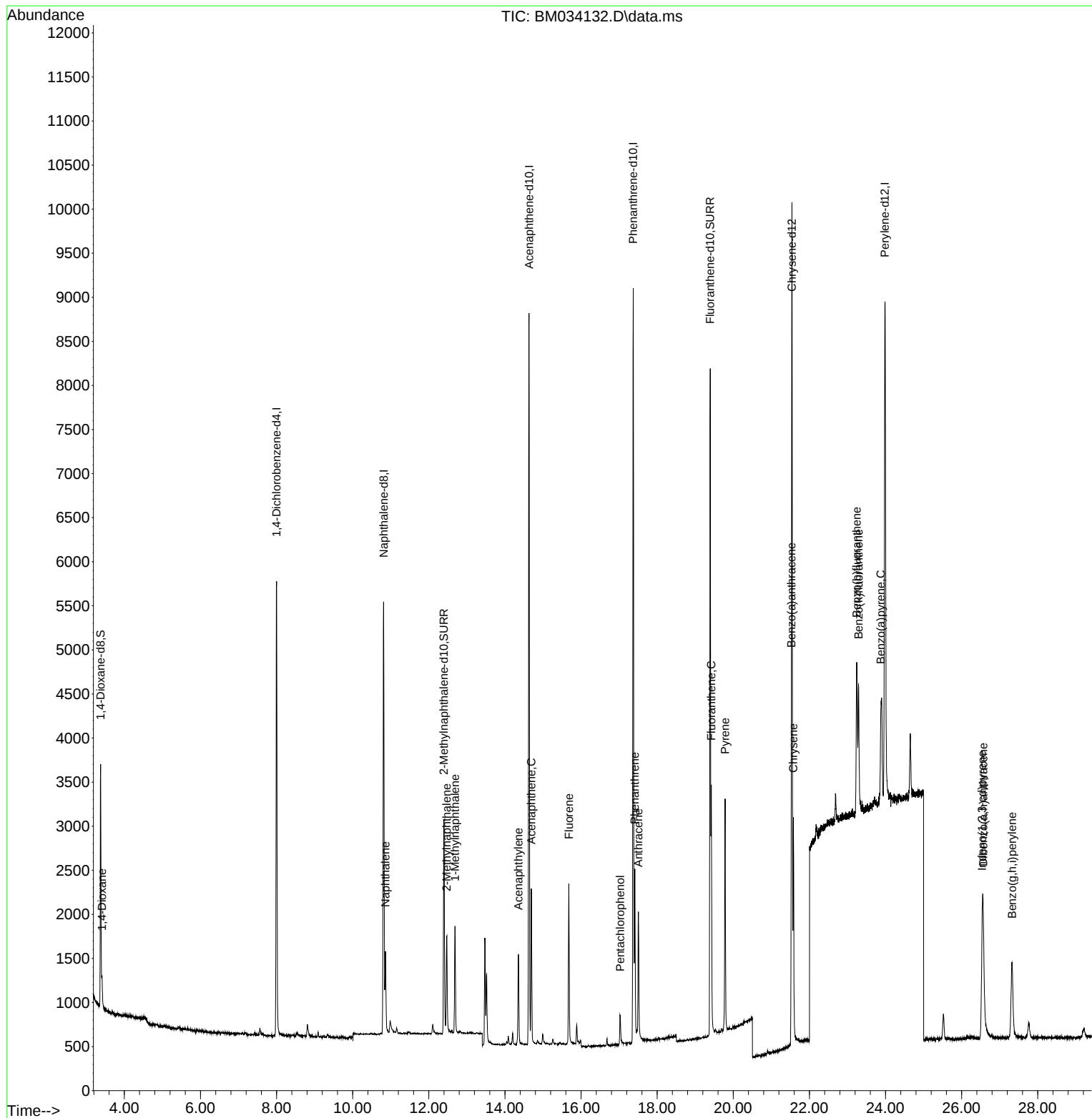
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030422\
Data File : BM034132.D
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ALS Vial : 6 Sample Multiplier: 1

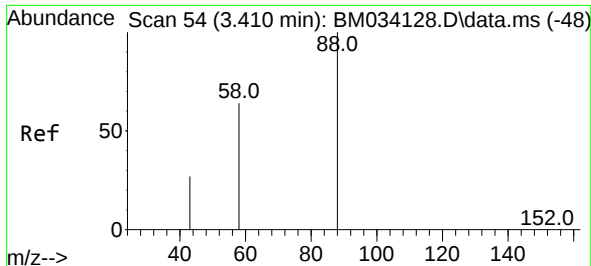
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01

Quant Time: Mar 04 12:15:00 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 03 14:59:52 2022
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Manual Integrations
APPROVED

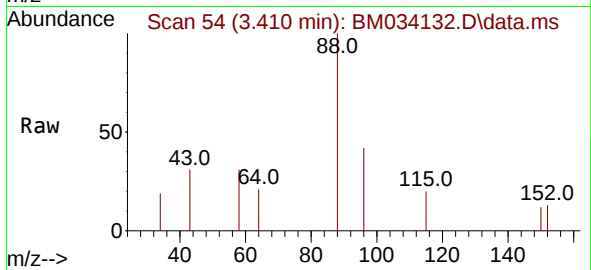
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022





#2
1,4-Dioxane
Concen: 0.062 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. -0.004 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

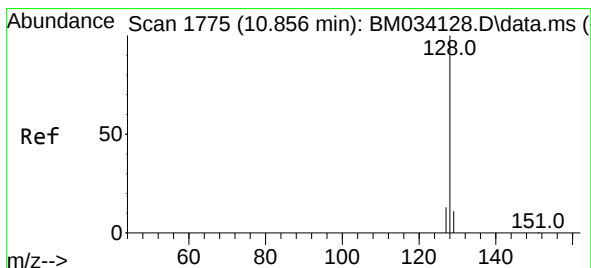
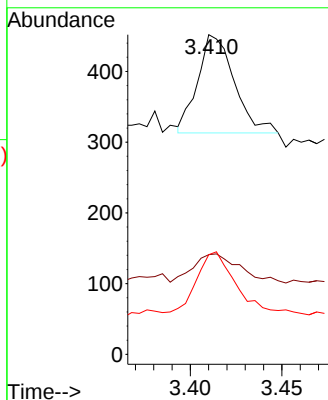
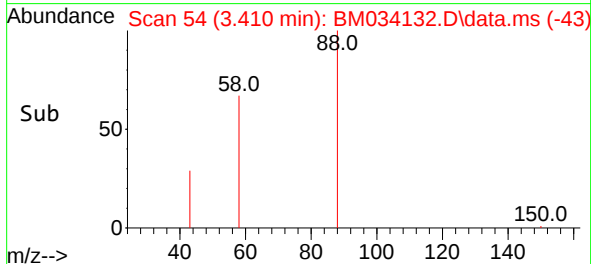
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion: 88 Resp: 193
Ion Ratio Lower Upper
88 100
43 31.2 49.7 74.5
58 31.2 52.5 78.7

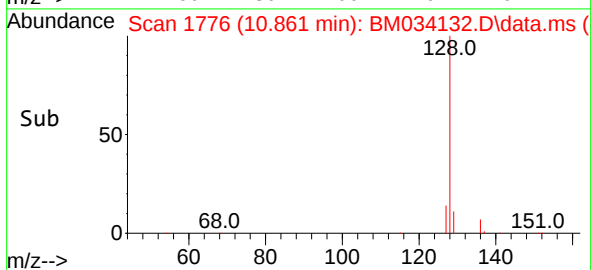
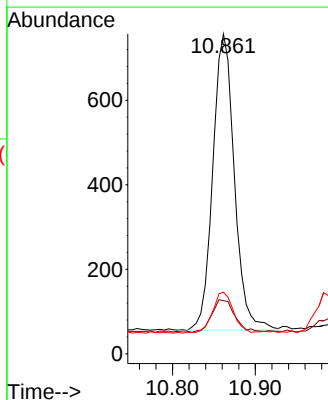
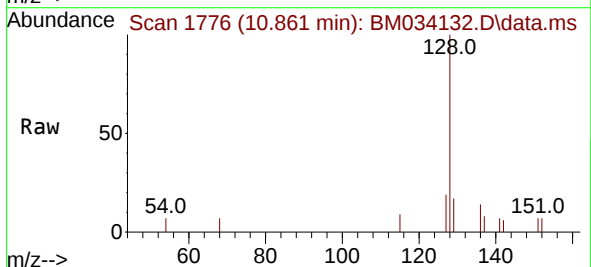
Manual Integrations
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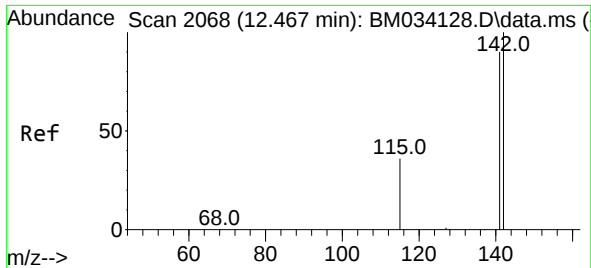
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#5
Naphthalene
Concen: 0.063 ng/ul
RT: 10.861 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

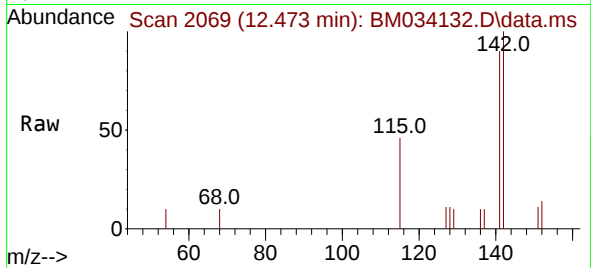
Tgt Ion:128 Resp: 1273
Ion Ratio Lower Upper
128 100
129 16.6 13.4 20.2
127 19.3 15.2 22.8





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.473 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

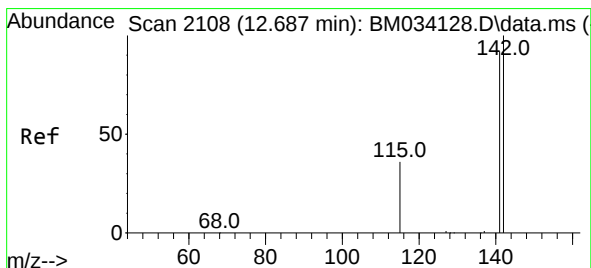
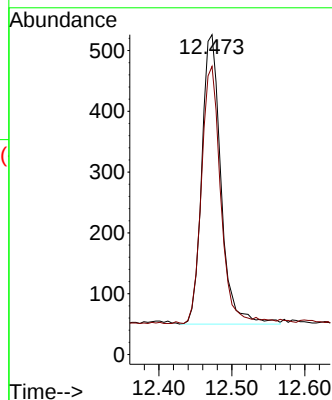
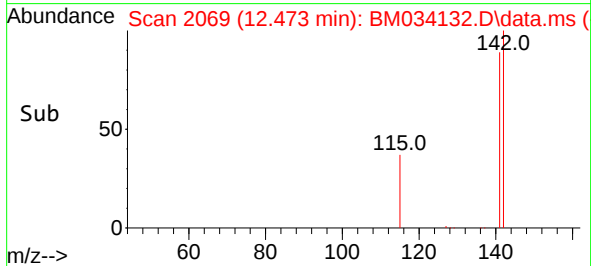
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ClientSampleId :
MDL-SOIL-QT1-2022-01



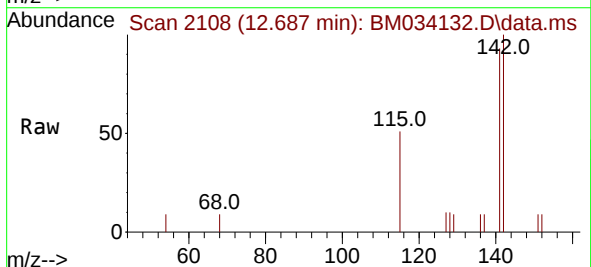
Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
141 89.2 71.8 107.6

Manual Integrations
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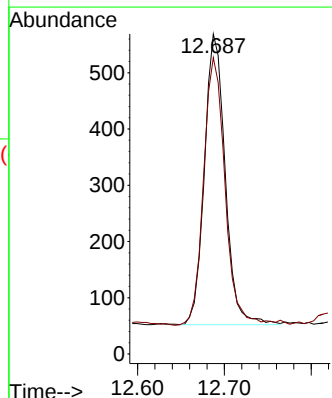
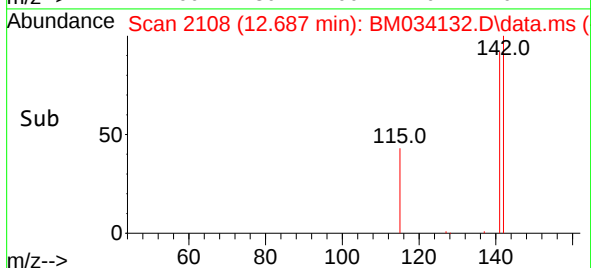
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022

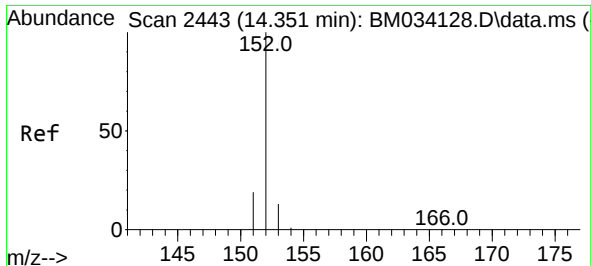


#8
1-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.687 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43



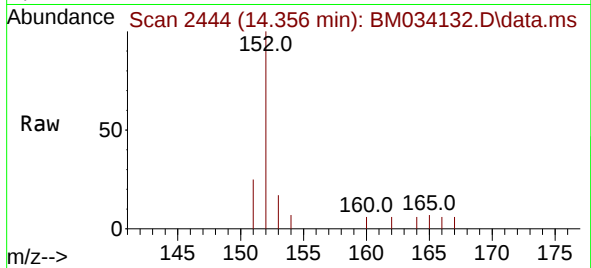
Tgt Ion:142 Resp: 858
Ion Ratio Lower Upper
142 100
141 95.5 75.0 112.4





#10
Acenaphthylene
Concen: 0.063 ng/ul
RT: 14.356 min Scan# 2444
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

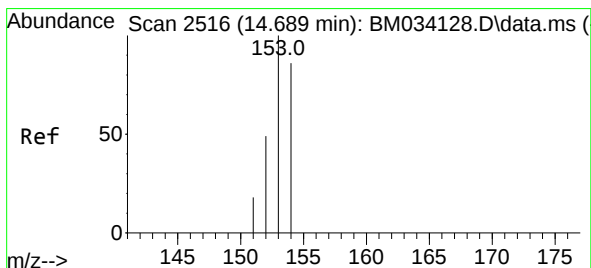
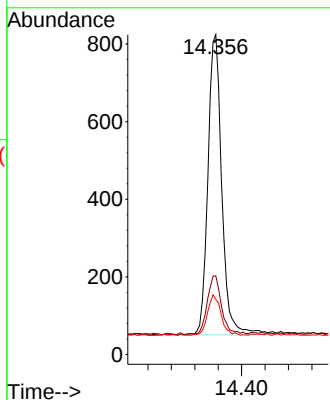
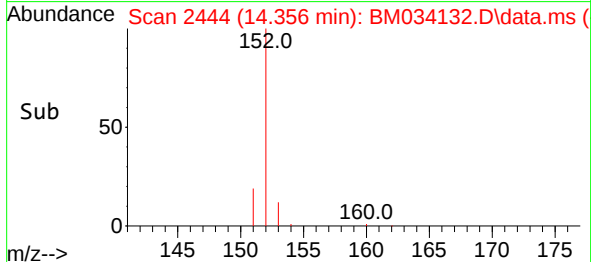
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:152 Resp: 1278
Ion Ratio Lower Upper
152 100
151 24.6 19.9 29.9
153 17.2 15.0 22.4

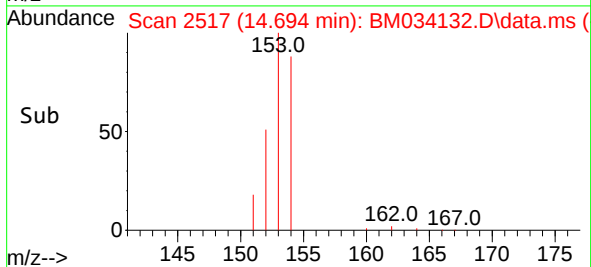
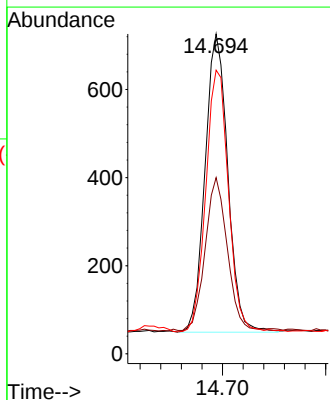
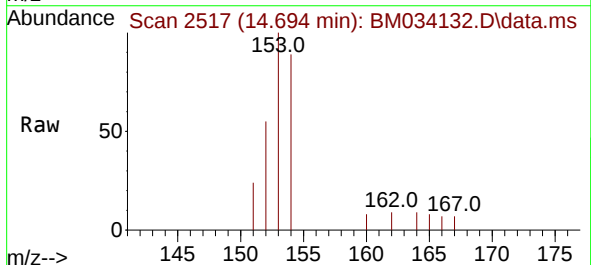
Manual Integrations
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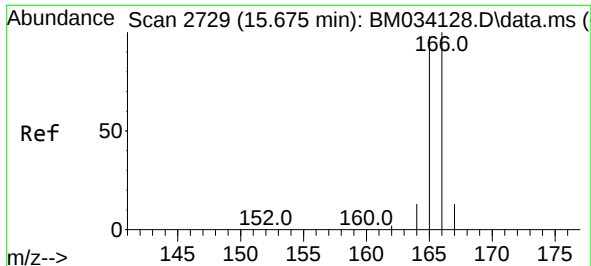
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#11
Acenaphthene
Concen: 0.063 ng/ul
RT: 14.694 min Scan# 2517
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

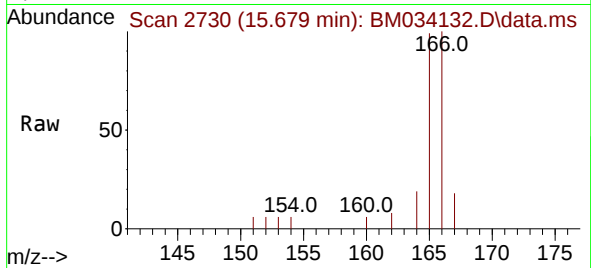
Tgt Ion:153 Resp: 1036
Ion Ratio Lower Upper
153 100
152 55.1 42.4 63.6
154 88.7 66.2 99.2





#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.679 min Scan# 2729
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

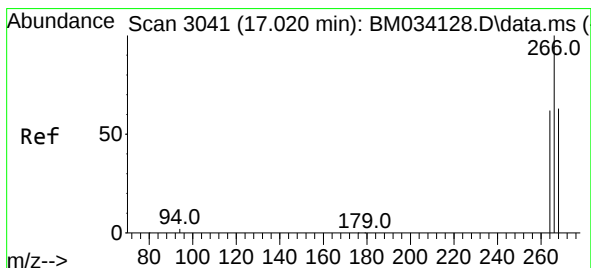
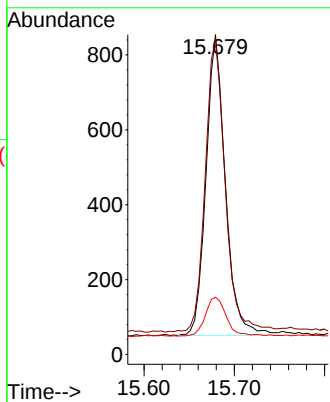
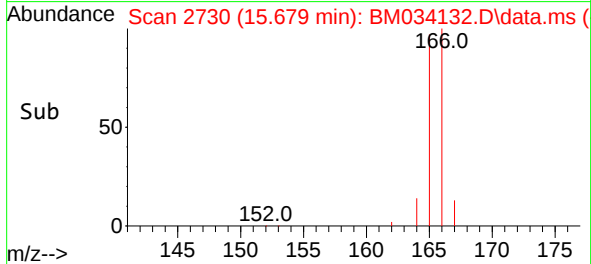
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



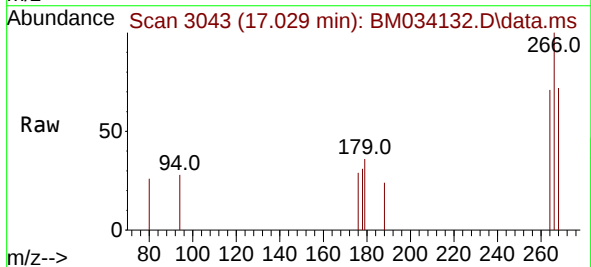
Tgt Ion:166 Resp: 120
Ion Ratio Lower Upper
166 100
165 98.6 81.1 121.7
167 17.9 14.9 22.3

Manual Integrations
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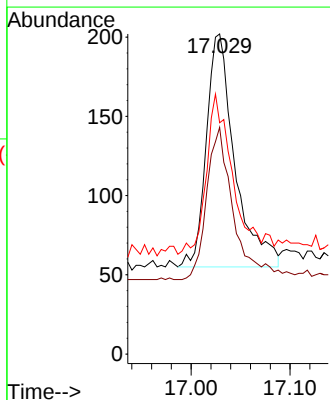
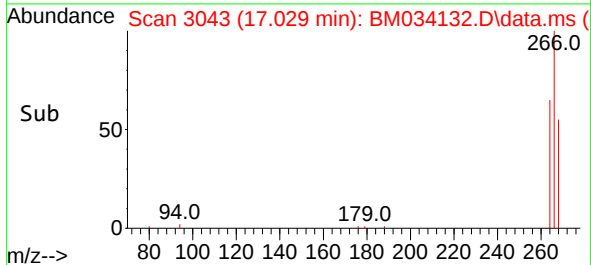
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022

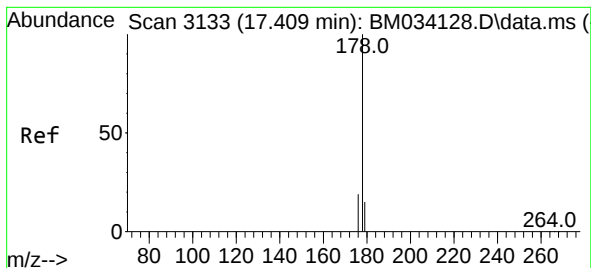


#14
Pentachlorophenol
Concen: 0.083 ng/ul
RT: 17.029 min Scan# 3043
Delta R.T. 0.004 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43



Tgt Ion:266 Resp: 294
Ion Ratio Lower Upper
266 100
264 62.2 51.4 77.0
268 67.3 53.1 79.7





#15

Phenanthrene

Concen: 0.062 ng/u1

RT: 17.413 min Scan# 3133

Delta R.T. -0.000 min

Lab File: BM034132.D

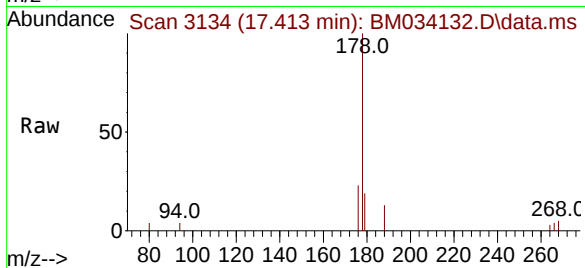
Acq: 04 Mar 2022 11:43

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT1-2022-01



Tgt Ion:178 Resp: 2079

Ion Ratio Lower Upper

178 100

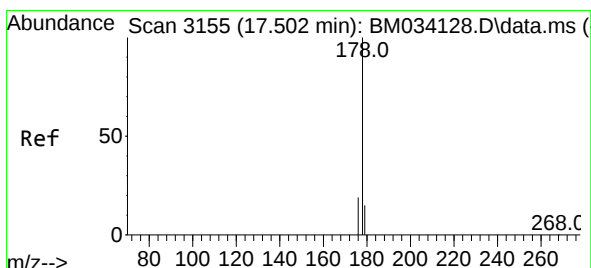
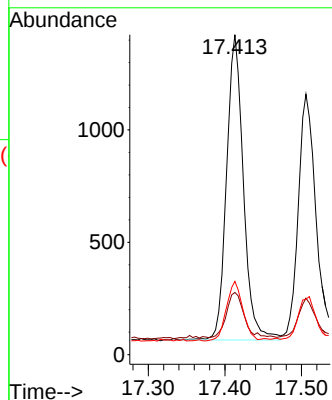
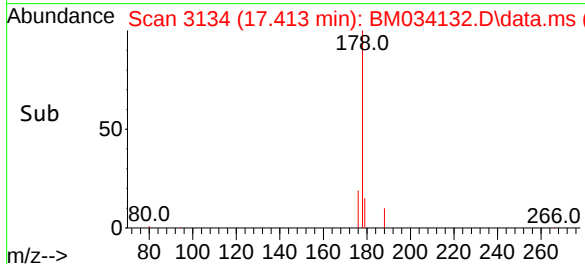
179 19.5 15.0 22.6

176 22.9 17.9 26.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#16

Anthracene

Concen: 0.058 ng/u1

RT: 17.506 min Scan# 3156

Delta R.T. -0.000 min

Lab File: BM034132.D

Acq: 04 Mar 2022 11:43

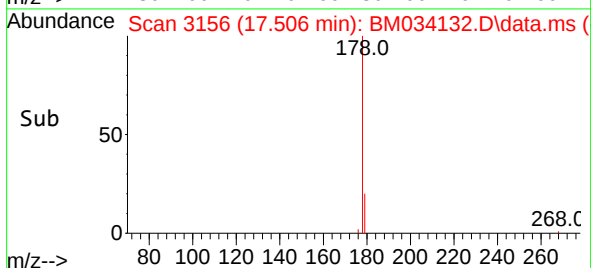
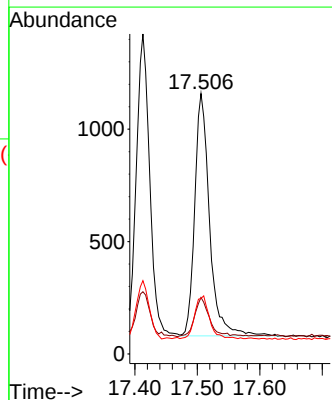
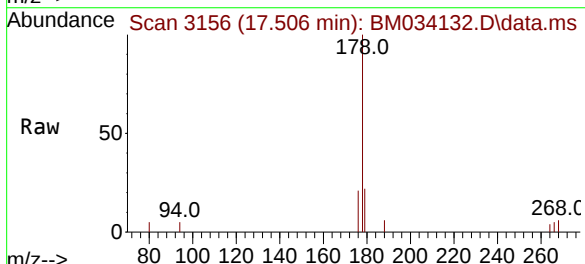
Tgt Ion:178 Resp: 1779

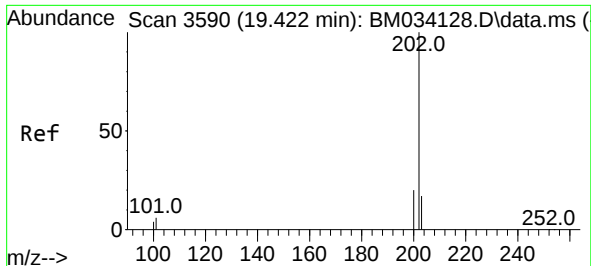
Ion Ratio Lower Upper

178 100

179 21.7 16.5 24.7

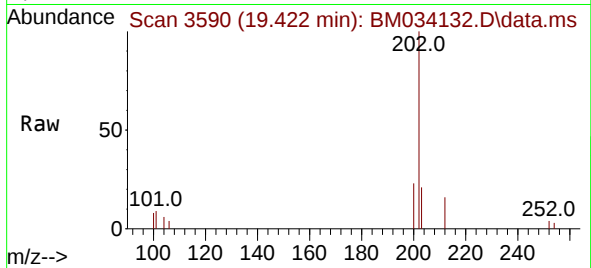
176 21.3 18.3 27.5





#19
Fluoranthene
Concen: 0.065 ng/u1
RT: 19.422 min Scan# 3590
Delta R.T. -0.005 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

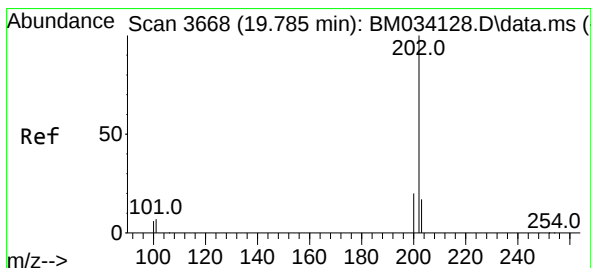
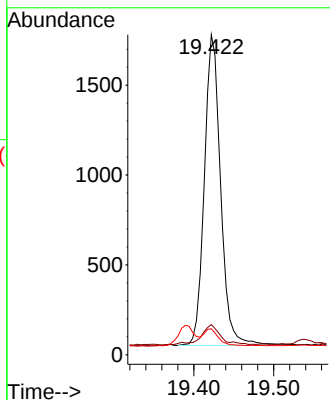
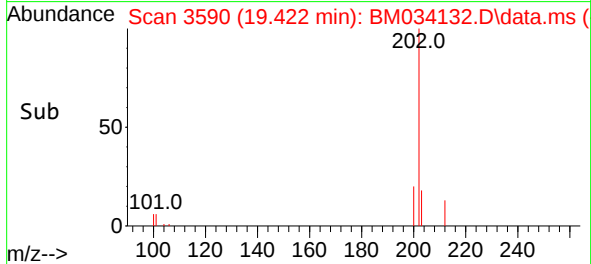
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



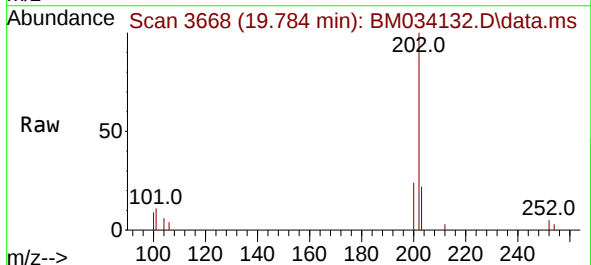
Tgt Ion:202 Resp: 245
Ion Ratio Lower Upper
202 100
101 9.4 9.2 13.8
100 8.1 7.2 10.8

Manual Integrations
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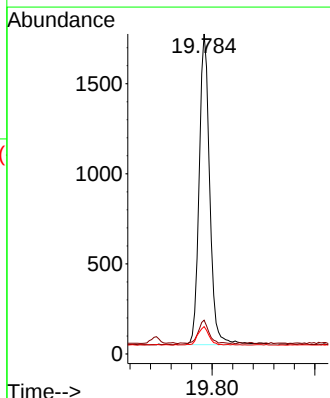
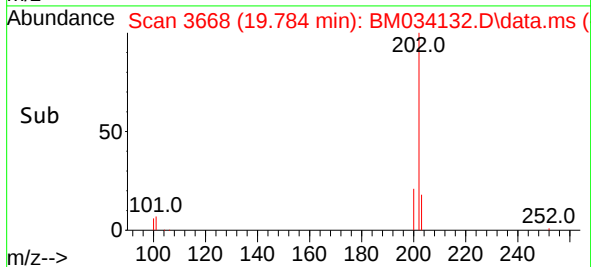
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022

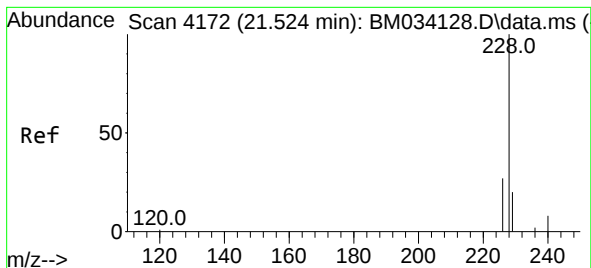


#20
Pyrene
Concen: 0.066 ng/u1
RT: 19.784 min Scan# 3668
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43



Tgt Ion:202 Resp: 2474
Ion Ratio Lower Upper
202 100
101 10.6 9.3 13.9
100 8.6 7.8 11.6





#21

Benzo(a)anthracene

Concen: 0.062 ng/u1

RT: 21.527 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM034132.D

Acq: 04 Mar 2022 11:43

Instrument :

BNA_M

ClientSampleId :

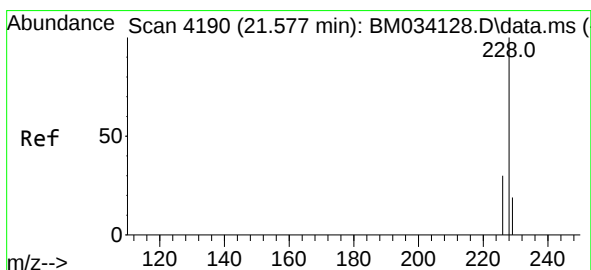
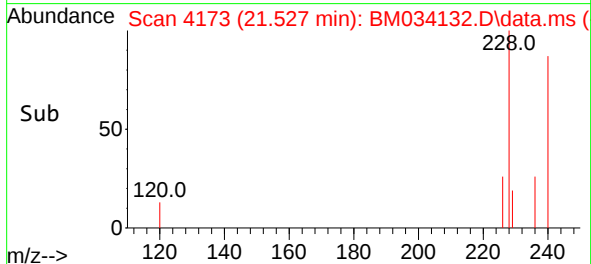
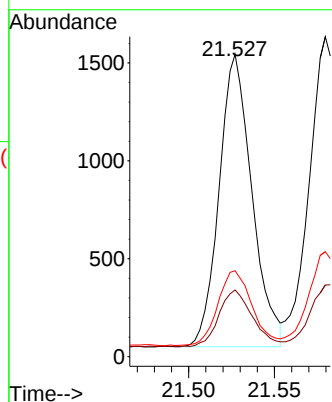
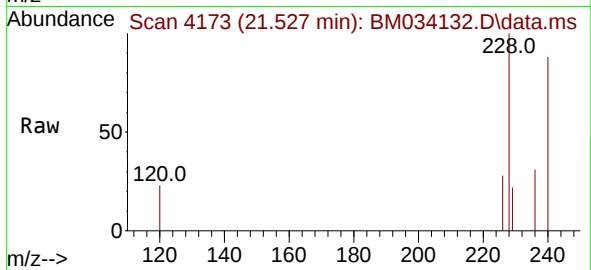
MDL-SOIL-QT1-2022-01

Tgt Ion:228	Resp:	198
Ion Ratio	Lower	Upper
228	100	
229	22.1	17.3 25.9
226	28.4	23.2 34.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#22

Chrysene

Concen: 0.066 ng/u1

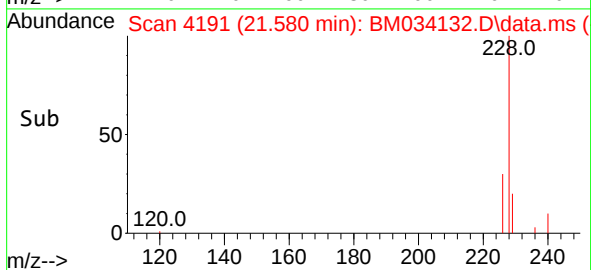
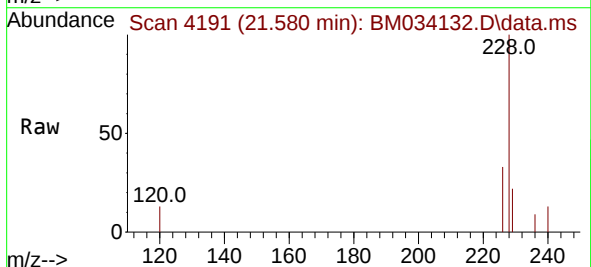
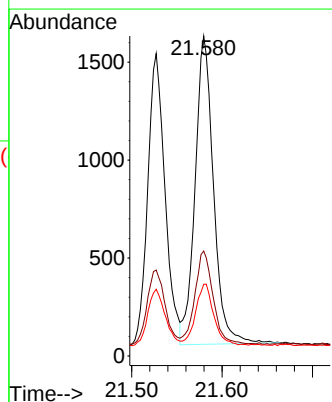
RT: 21.580 min Scan# 4191

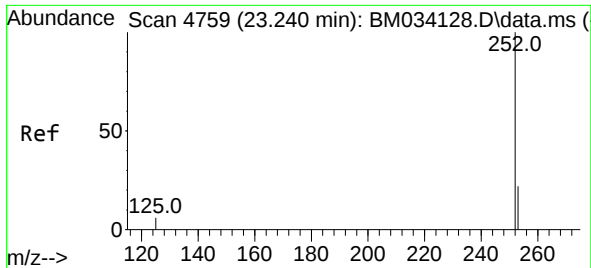
Delta R.T. -0.003 min

Lab File: BM034132.D

Acq: 04 Mar 2022 11:43

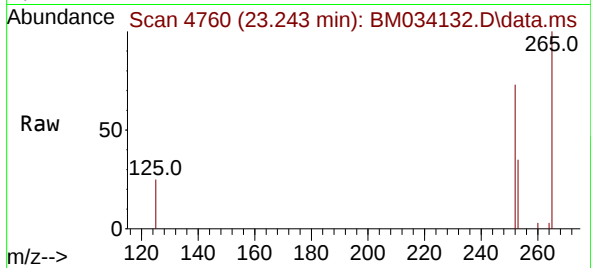
Tgt Ion:228	Resp:	2230
Ion Ratio	Lower	Upper
228	100	
226	32.8	25.8 38.8
229	22.4	16.7 25.1





#24
Benzo(b)fluoranthene
Concen: 0.067 ng/ul m
RT: 23.243 min Scan# 4759
Delta R.T. -0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

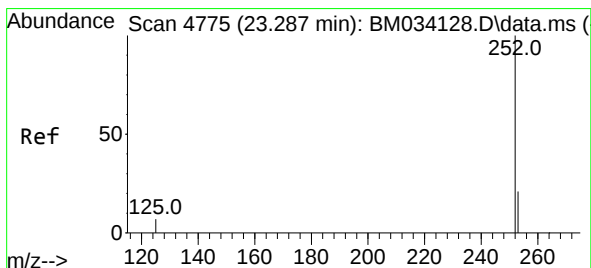
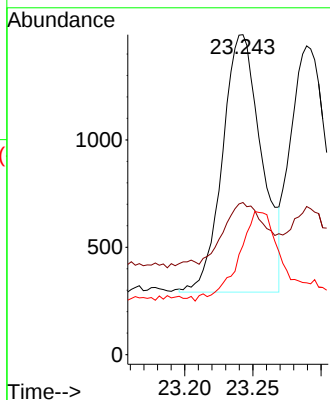
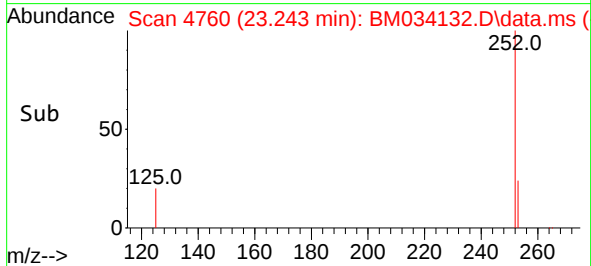
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:252 Resp: 2392
Ion Ratio Lower Upper
252 100
253 47.5 0.0 64.2
125 34.2 0.0 28.8

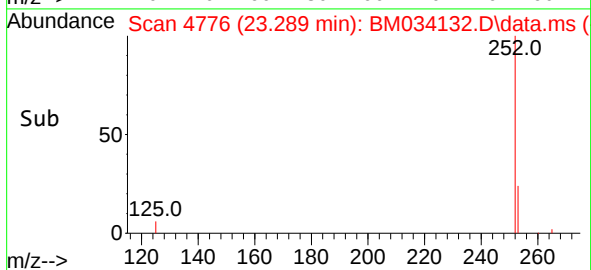
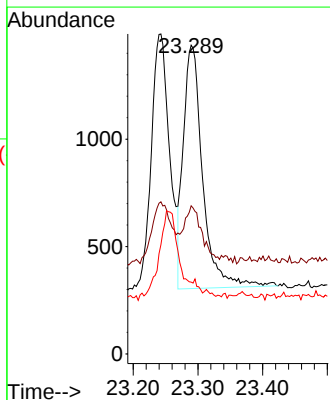
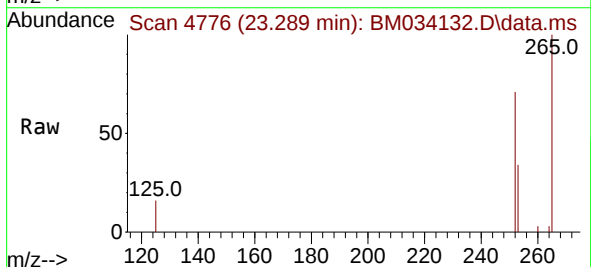
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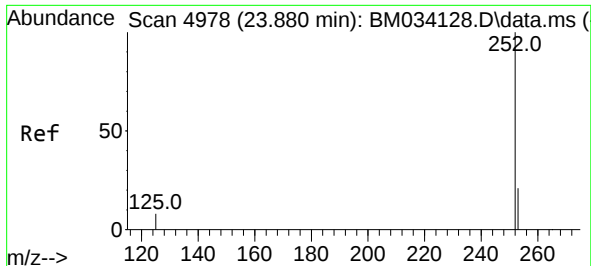
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#25
Benzo(k)fluoranthene
Concen: 0.065 ng/ul
RT: 23.289 min Scan# 4776
Delta R.T. -0.003 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

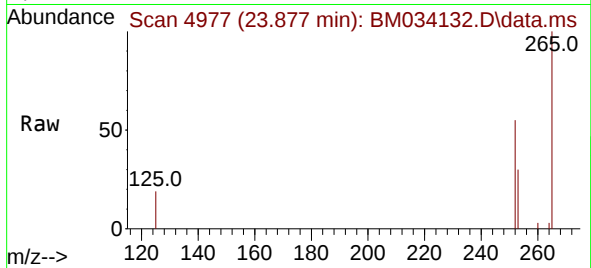
Tgt Ion:252 Resp: 2354
Ion Ratio Lower Upper
252 100
253 48.0 26.8 40.2#
125 23.2 12.0 18.0#





#26
Benzo(a)pyrene
Concen: 0.067 ng/ul
RT: 23.877 min Scan# 4978
Delta R.T. -0.006 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

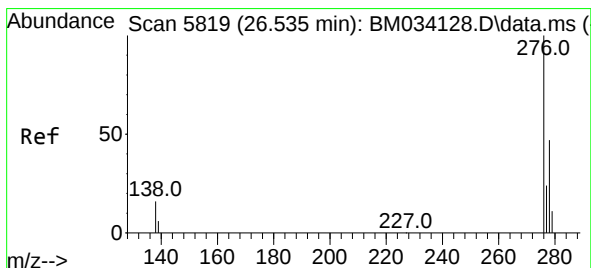
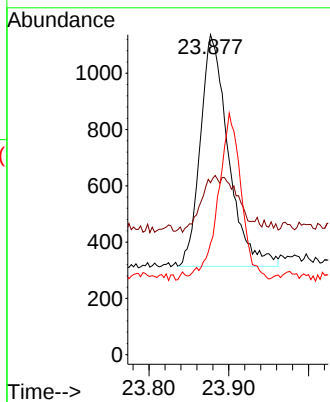
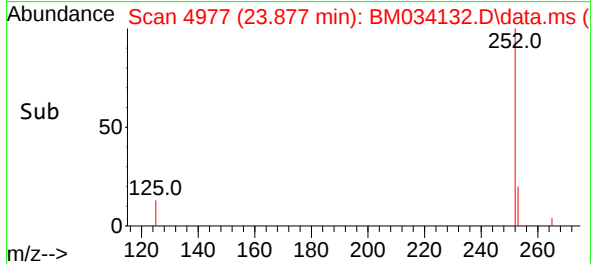
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:252 Resp: 2009
Ion Ratio Lower Upper
252 100
253 53.7 32.0 48.0
125 34.8 14.5 21.7

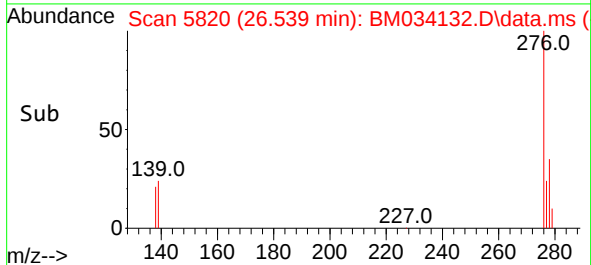
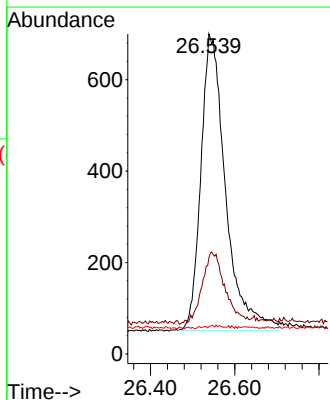
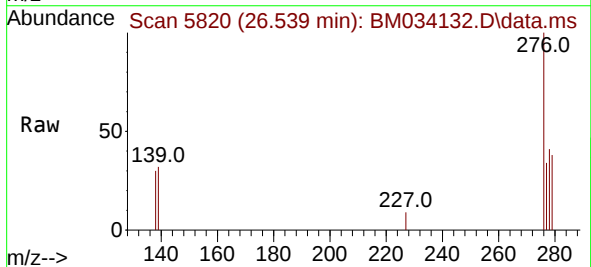
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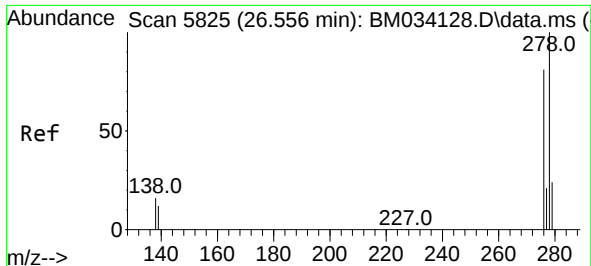
Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng/ul
RT: 26.539 min Scan# 5820
Delta R.T. -0.010 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

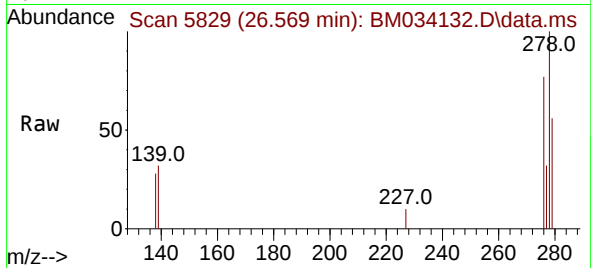
Tgt Ion:276 Resp: 2640
Ion Ratio Lower Upper
276 100
138 21.9 15.8 23.6
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.062 ng/ul
RT: 26.569 min Scan# 5825
Delta R.T. 0.000 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

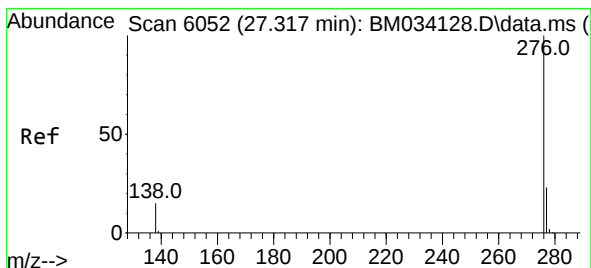
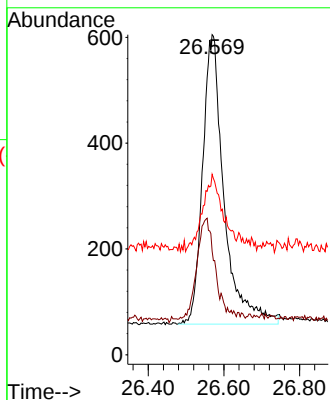
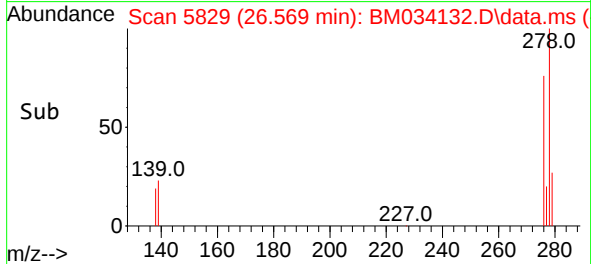
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:278 Resp: 215
Ion Ratio Lower Upper
278 100
139 32.4 18.0 27.0
279 56.4 28.6 42.8

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Reviewed By :Jagrut Upadhyay 03/04/2022
Supervised By :mohammad ahmed 03/07/2022



#29
Benzo(g,h,i)perylene
Concen: 0.061 ng/ul
RT: 27.327 min Scan# 6055
Delta R.T. -0.006 min
Lab File: BM034132.D
Acq: 04 Mar 2022 11:43

Tgt Ion:276 Resp: 2270
Ion Ratio Lower Upper
276 100
138 22.4 17.4 26.0
277 33.4 22.6 33.8

