

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030122\
 Data File : BN018783.D
 Acq On : 01 Mar 2022 13:28
 Operator : CG/JU
 Sample : N1331-03
 Misc : SFAM-SIM-MDL-SOIL01
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 01 14:17:31 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN021822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 18 13:39:55 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2022
 Supervised By :mohammad ahmed 03/02/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	5762	0.400	ng/ul	0.00
4) Naphthalene-d8	10.721	136	14337	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	6820	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.289	188	12216	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.467	240	9132	0.400	ng/ul	# 0.00
23) Perylene-d12	23.858	264	7609	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.285	96	4450	0.680	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.305	152	6255	0.319	ng/ul	0.00
18) Fluoranthene-d10	19.313	212	10454	0.383	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.323	88	487m	0.073	ng/ul	
5) Naphthalene	10.770	128	2634	0.065	ng/ul#	94
7) 2-Methylnaphthalene	12.382	142	1600	0.061	ng/ul	99
8) 1-Methylnaphthalene	12.602	142	1639	0.063	ng/ul	99
10) Acenaphthylene	14.266	152	1760	0.057	ng/ul#	92
11) Acenaphthene	14.608	153	1608	0.065	ng/ul	98
12) Fluorene	15.594	166	1617	0.061	ng/ul#	95
14) Pentachlorophenol	16.947	266	140m	0.056	ng/ul	
15) Phenanthrene	17.327	178	2607	0.065	ng/ul#	91
16) Anthracene	17.420	178	2020m	0.056	ng/ul	
19) Fluoranthene	19.341	202	2835	0.074	ng/ul#	86
20) Pyrene	19.704	202	2805	0.071	ng/ul#	88
21) Benzo(a)anthracene	21.449	228	2048	0.058	ng/ul	96
22) Chrysene	21.499	228	2573	0.070	ng/ul	96
24) Benzo(b)fluoranthene	23.127	252	2435	0.072	ng/ul#	60
25) Benzo(k)fluoranthene	23.180	252	2415	0.071	ng/ul#	62
26) Benzo(a)pyrene	23.756	252	1977	0.066	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	26.356	276	2462	0.065	ng/ul#	75
28) Dibenzo(a,h)anthracene	26.372	278	1846	0.062	ng/ul#	64
29) Benzo(g,h,i)perylene	27.110	276	2297	0.071	ng/ul#	80

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

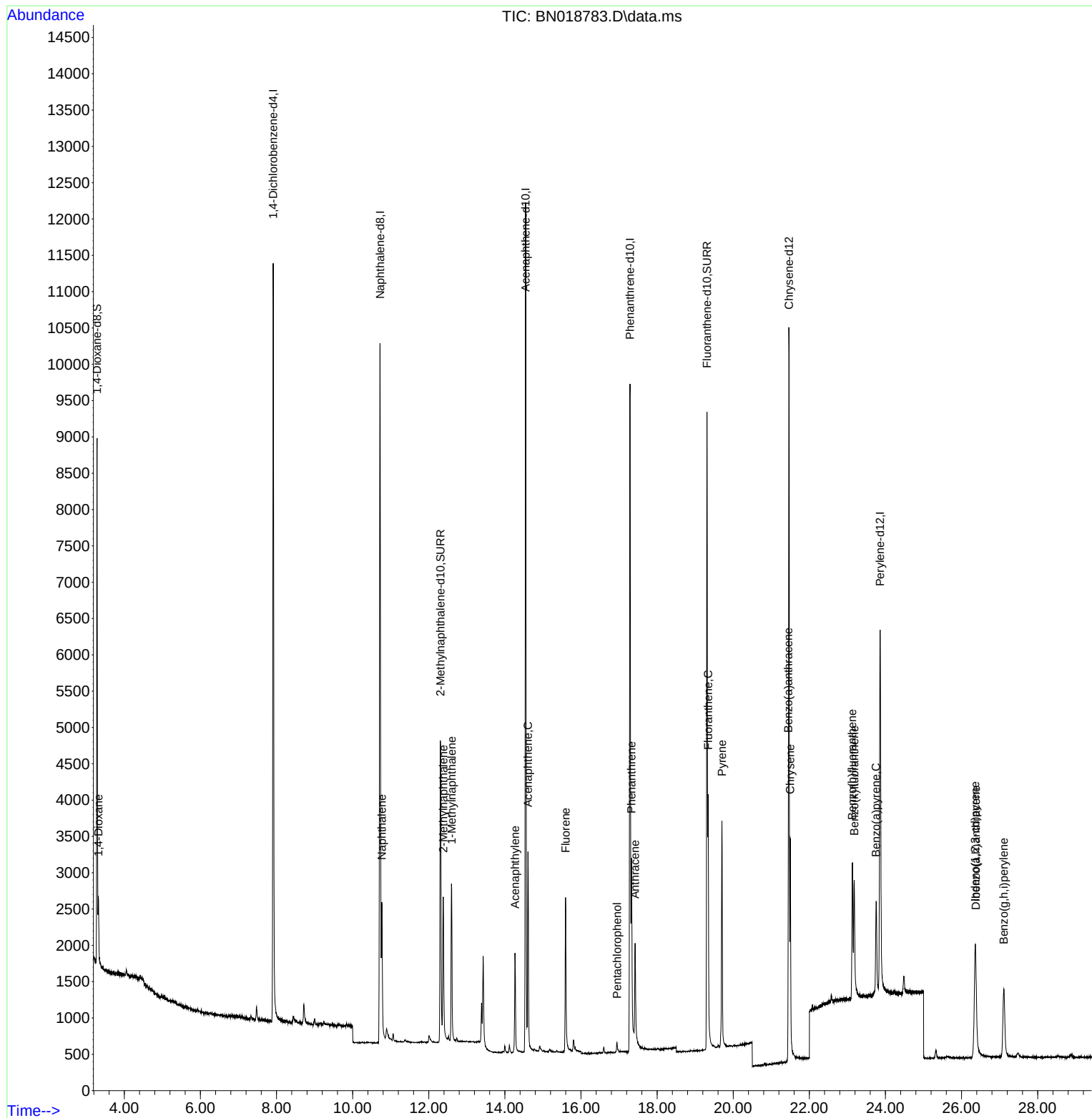
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030122\
Data File : BN018783.D
Acq On : 01 Mar 2022 13:28
Operator : CG/JU
Sample : N1331-03
Misc : SFAM-SIM-MDL-SOIL01
ALS Vial : 6 Sample Multiplier: 1

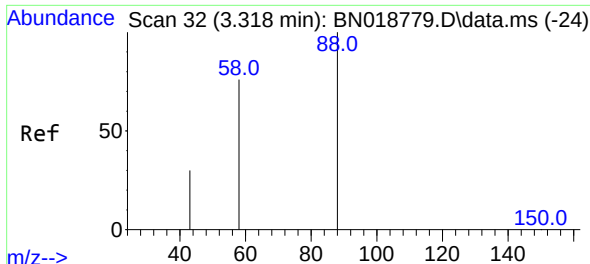
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01

Quant Time: Mar 01 14:17:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN021822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 18 13:39:55 2022
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Manual Integrations
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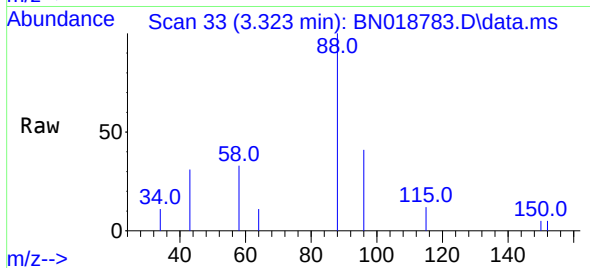
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022





#2
1,4-Dioxane
Concen: 0.073 ng/ul m
RT: 3.323 min Scan# 33
Delta R.T. -0.012 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

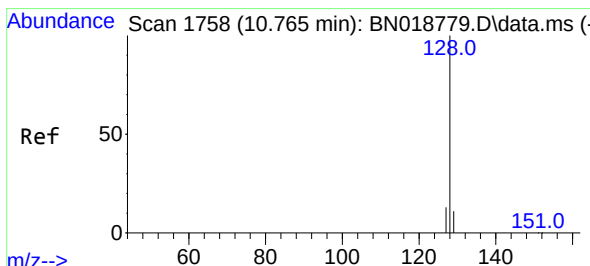
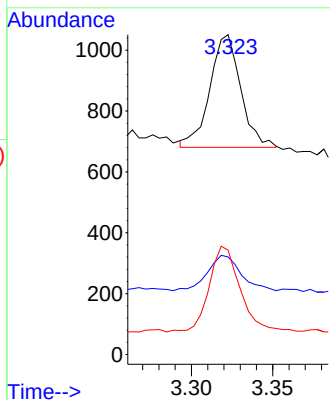
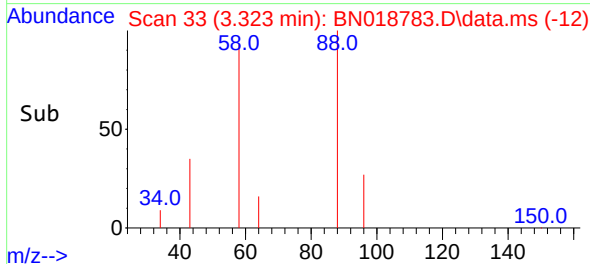
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BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



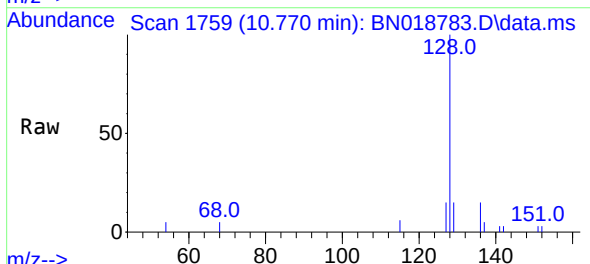
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 30.5 47.8 71.8
58 32.6 46.2 69.2

Manual Integrations
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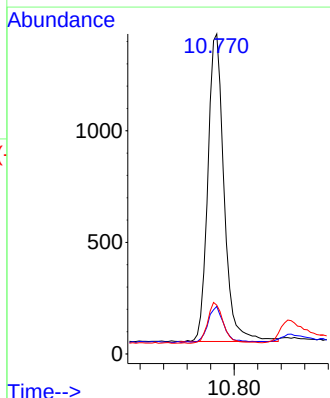
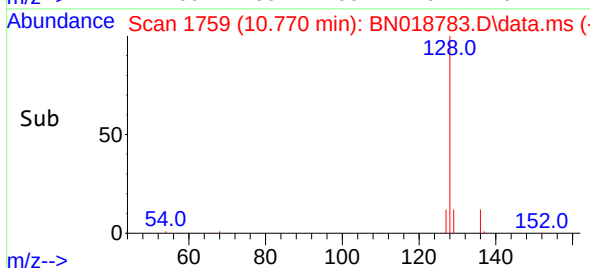
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

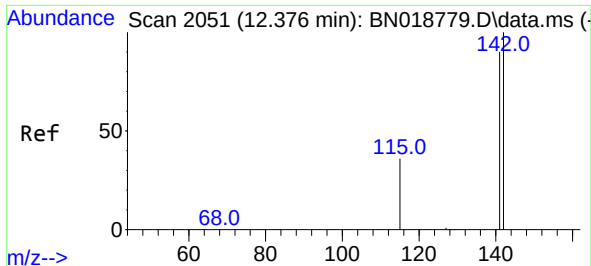


#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.770 min Scan# 1759
Delta R.T. -0.004 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28



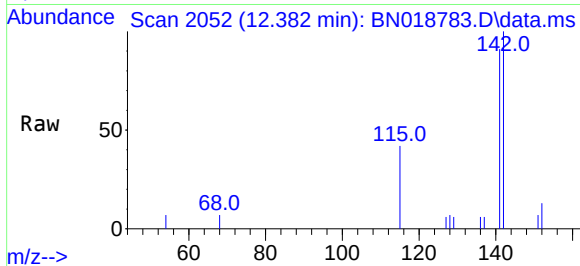
Tgt Ion:128 Resp: 2634
Ion Ratio Lower Upper
128 100
129 14.9 9.4 14.0
127 15.3 11.0 16.6





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.382 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

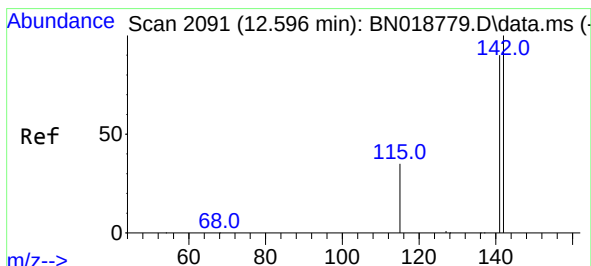
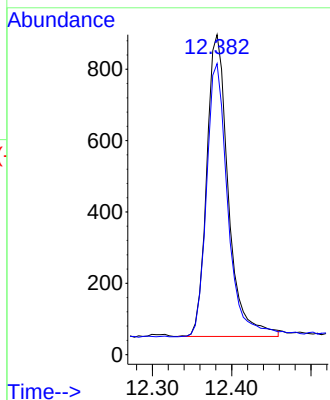
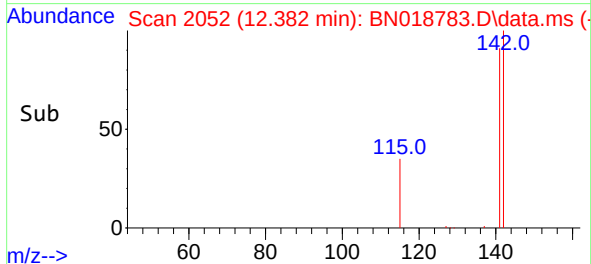
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



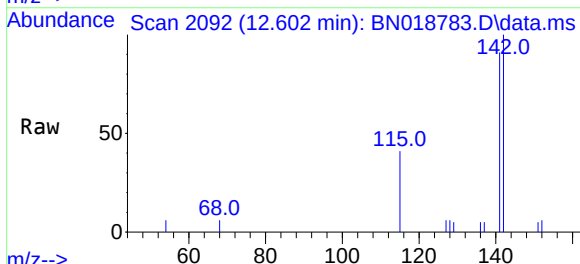
Tgt Ion:142 Resp: 1600
Ion Ratio Lower Upper
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141 89.6 70.9 106.3

Manual Integrations
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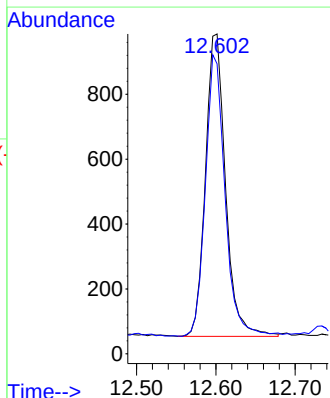
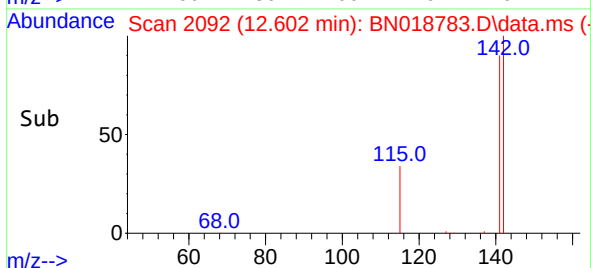
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

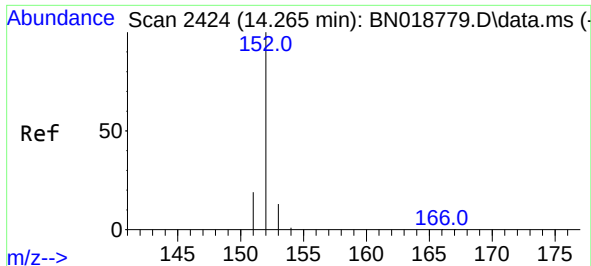


#8
1-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.602 min Scan# 2092
Delta R.T. -0.004 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28



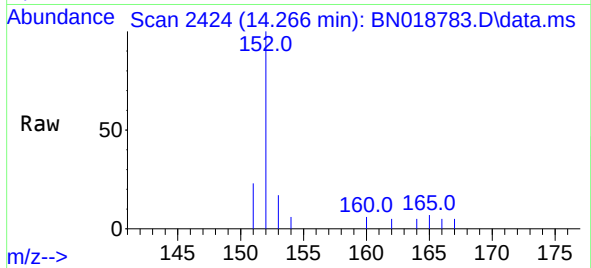
Tgt Ion:142 Resp: 1639
Ion Ratio Lower Upper
142 100
141 90.7 73.2 109.8





#10
Acenaphthylene
Concen: 0.057 ng/ul
RT: 14.266 min Scan# 2424
Delta R.T. -0.003 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

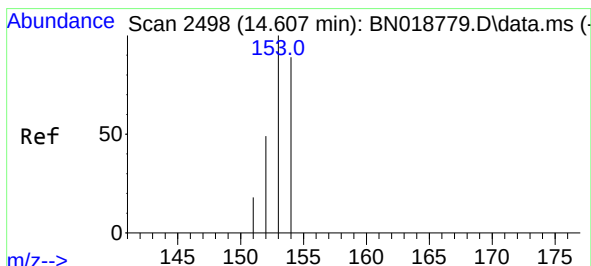
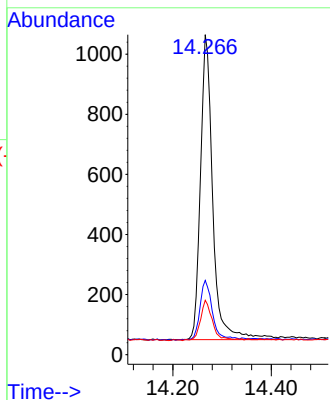
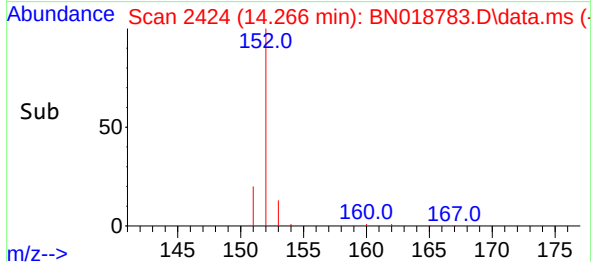
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:152 Resp: 1760
Ion Ratio Lower Upper
152 100
151 23.2 15.8 23.8
153 17.0 10.7 16.1

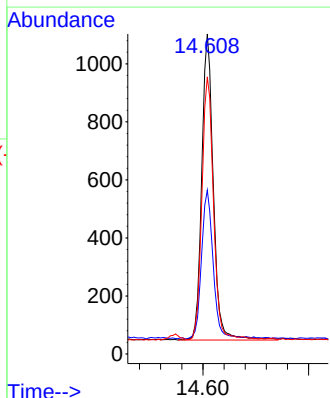
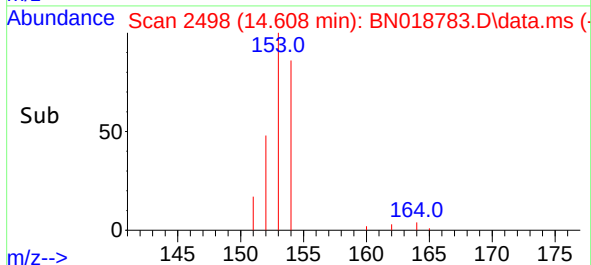
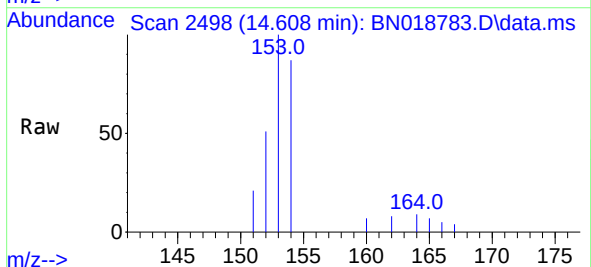
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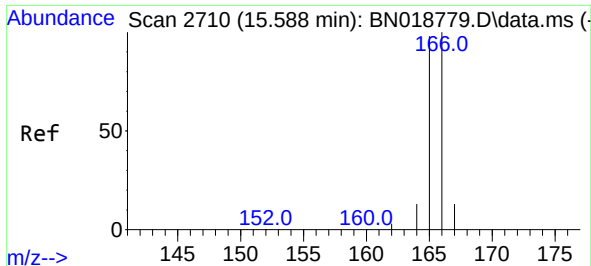
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#11
Acenaphthene
Concen: 0.065 ng/ul
RT: 14.608 min Scan# 2498
Delta R.T. -0.003 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

Tgt Ion:153 Resp: 1608
Ion Ratio Lower Upper
153 100
152 51.2 39.7 59.5
154 86.6 70.9 106.3





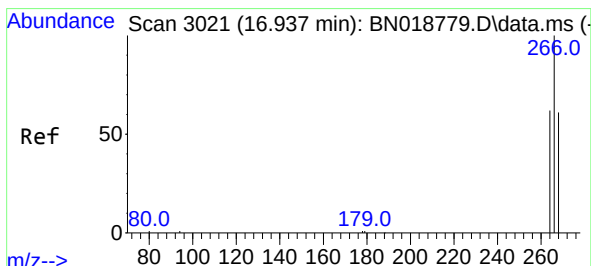
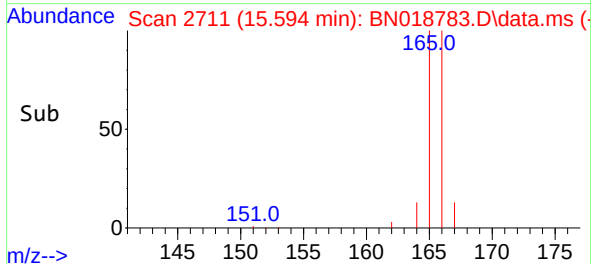
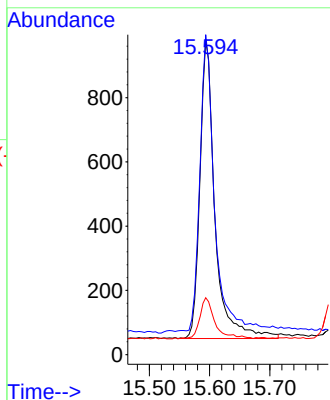
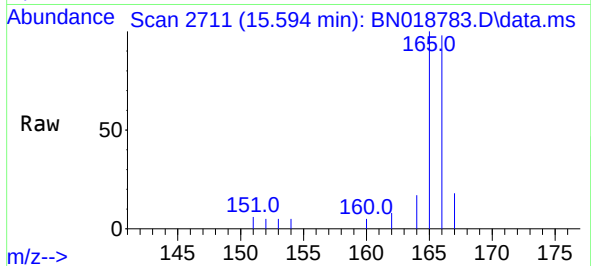
#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.594 min Scan# 2711
Delta R.T. -0.003 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

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

Tgt Ion:166 Resp: 161
Ion Ratio Lower Upper
166 100
165 101.9 77.8 116.6
167 18.1 11.6 17.4

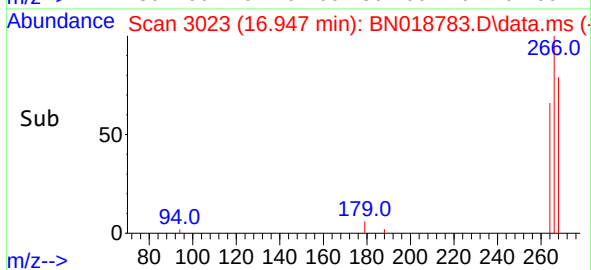
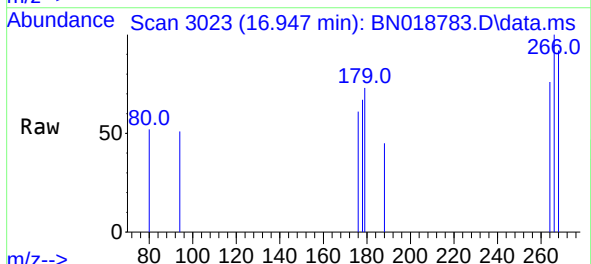
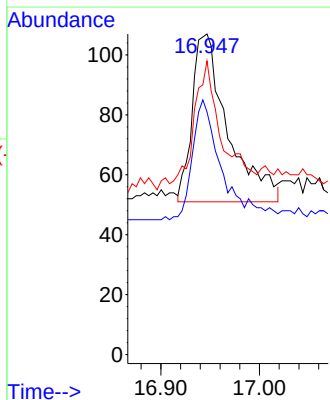
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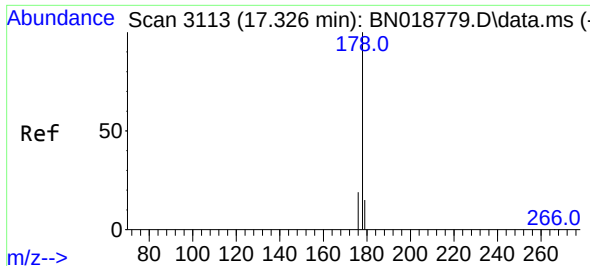
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#14
Pentachlorophenol
Concen: 0.056 ng/ul m
RT: 16.947 min Scan# 3023
Delta R.T. 0.006 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

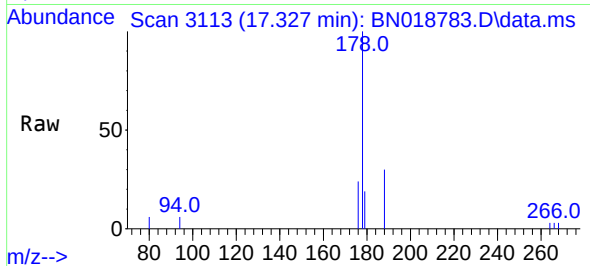
Tgt Ion:266 Resp: 140
Ion Ratio Lower Upper
266 100
264 59.3 49.9 74.9
268 55.0 51.7 77.5





#15
Phenanthrene
Concen: 0.065 ng/ul
RT: 17.327 min Scan# 3113
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

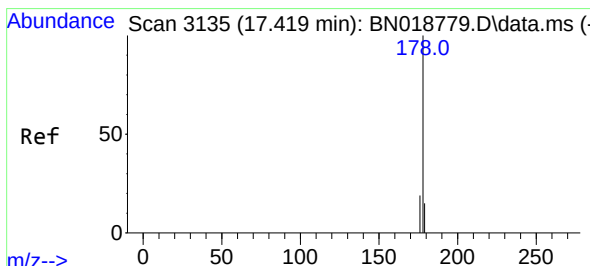
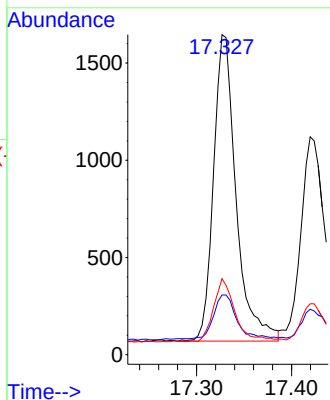
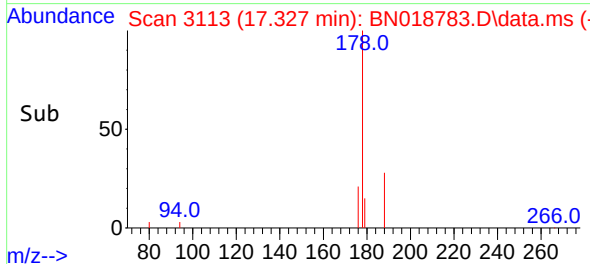
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:178 Resp: 2607
Ion Ratio Lower Upper
178 100
179 18.7 12.2 18.4#
176 23.8 15.4 23.2#

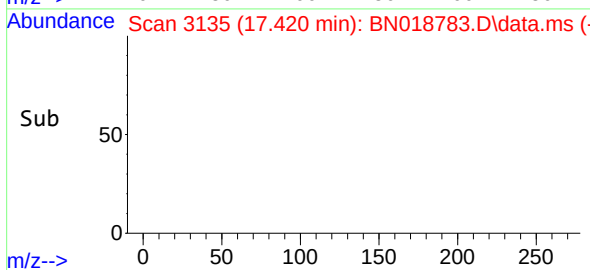
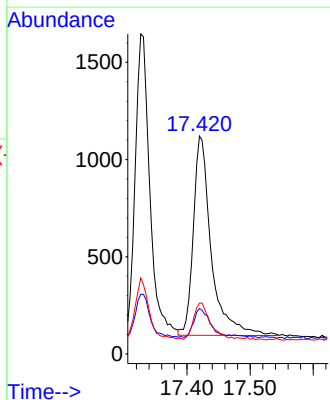
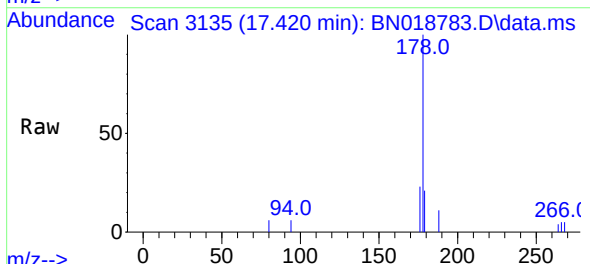
Manual Integrations
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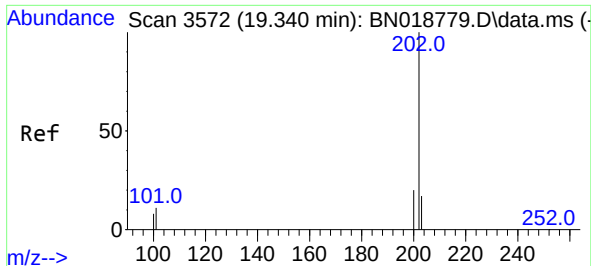
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#16
Anthracene
Concen: 0.056 ng/ul m
RT: 17.420 min Scan# 3135
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

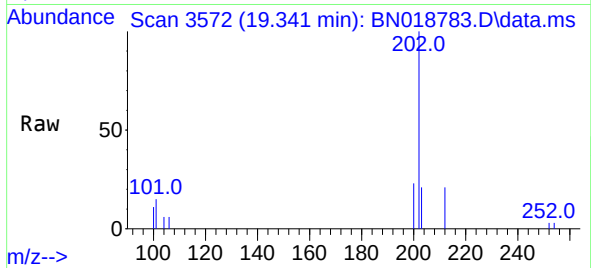
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Ion Ratio Lower Upper
178 100
179 20.9 12.3 18.5#
176 23.4 15.5 23.3#





#19
Fluoranthene
Concen: 0.074 ng/ul
RT: 19.341 min Scan# 3572
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

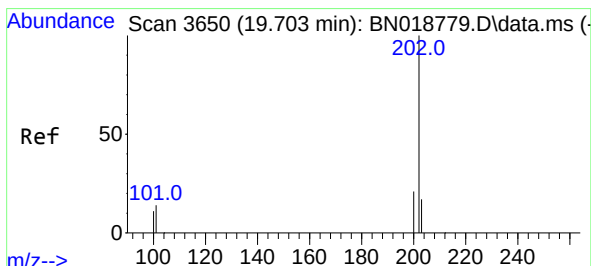
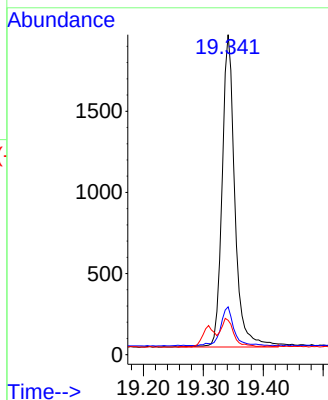
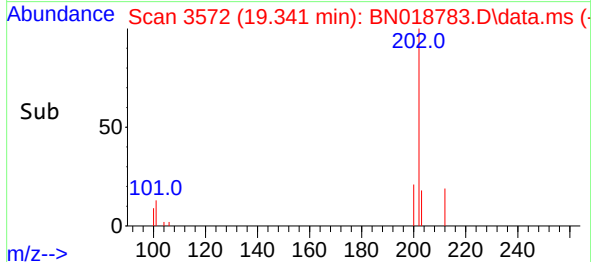
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MDL-SOIL-QT1-2022-01



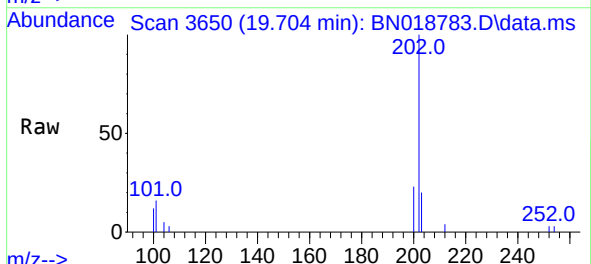
Tgt Ion:202 Resp: 2835
Ion Ratio Lower Upper
202 100
101 15.0 7.5 11.3#
100 10.8 5.4 8.2#

Manual Integrations
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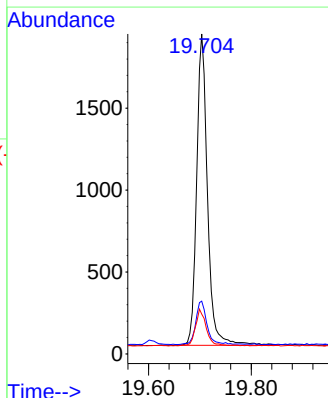
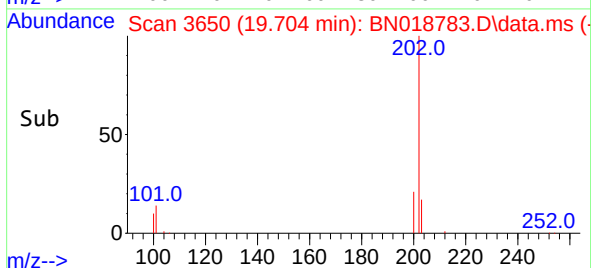
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

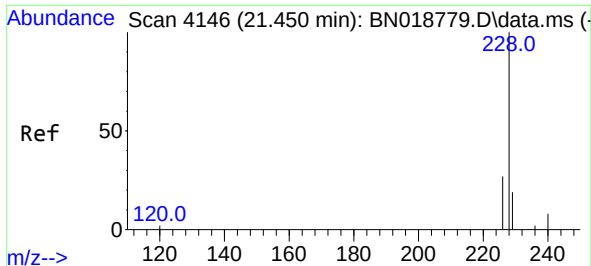


#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.704 min Scan# 3650
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28



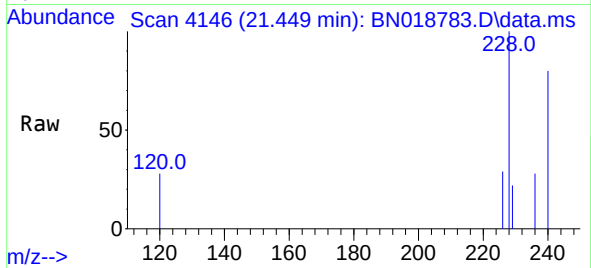
Tgt Ion:202 Resp: 2805
Ion Ratio Lower Upper
202 100
101 16.5 9.0 13.4#
100 12.4 7.0 10.4#





#21
Benzo(a)anthracene
Concen: 0.058 ng/u1
RT: 21.449 min Scan# 4146
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

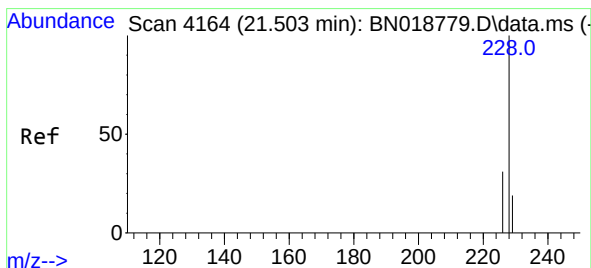
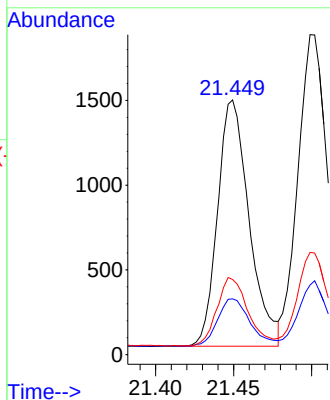
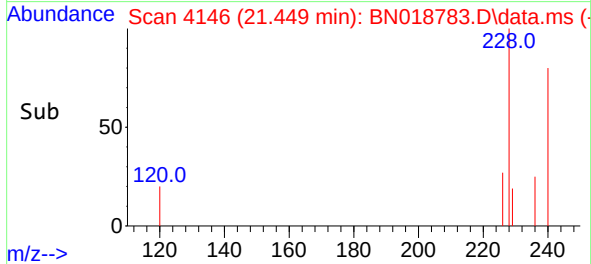
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:228 Resp: 2048
Ion Ratio Lower Upper
228 100
229 21.9 15.6 23.4
226 29.5 22.1 33.1

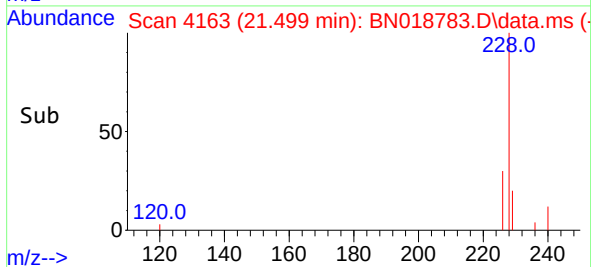
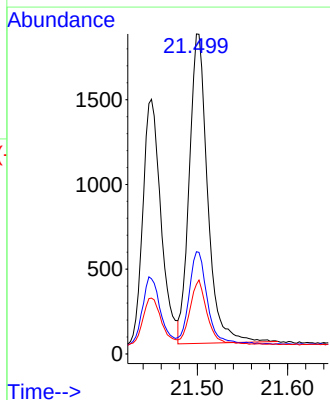
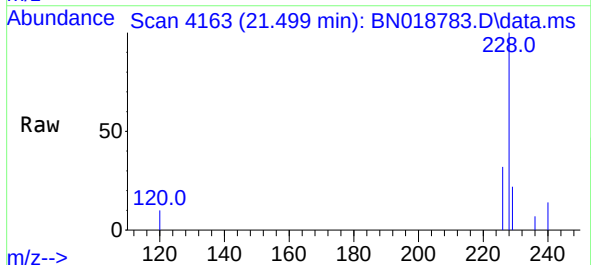
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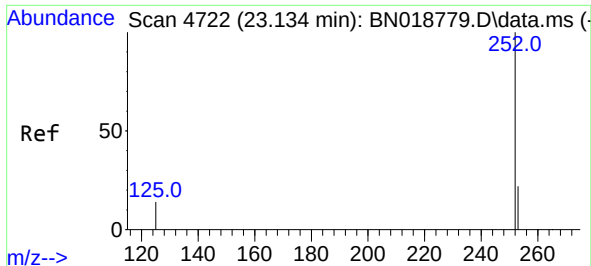
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#22
Chrysene
Concen: 0.070 ng/u1
RT: 21.499 min Scan# 4163
Delta R.T. -0.005 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

Tgt Ion:228 Resp: 2573
Ion Ratio Lower Upper
228 100
226 31.9 24.2 36.4
229 21.7 15.7 23.5





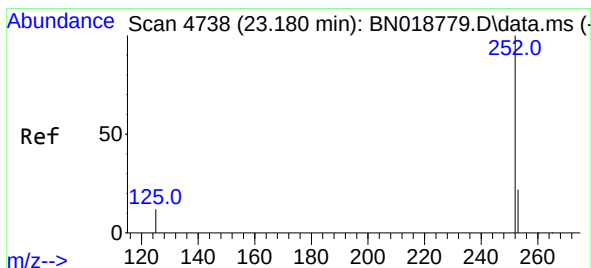
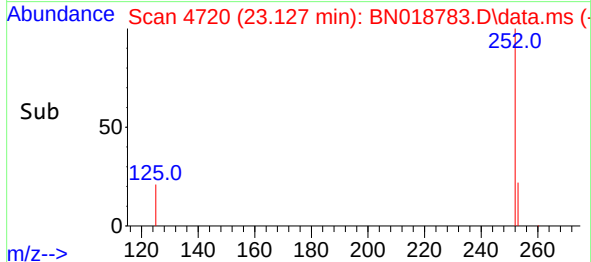
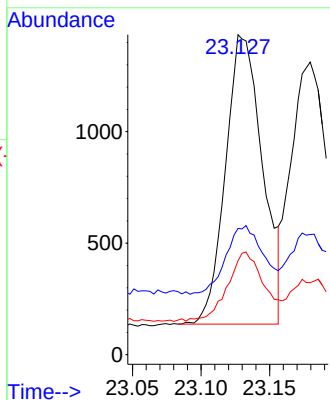
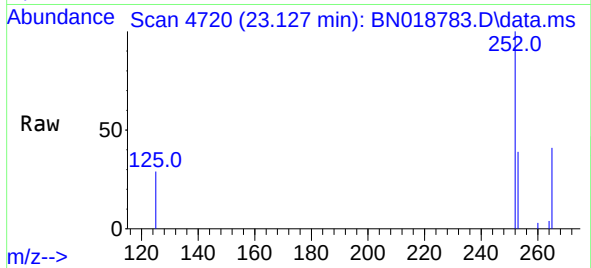
#24
Benzo(b)fluoranthene
Concen: 0.072 ng/ul
RT: 23.127 min Scan# 4720
Delta R.T. -0.008 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

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

Tgt Ion:252 Resp: 2435
Ion Ratio Lower Upper
252 100
253 39.4 0.0 46.4
125 29.3 0.0 17.8

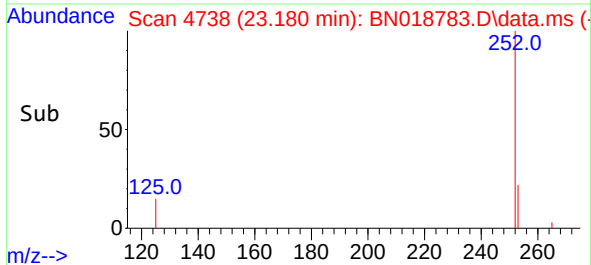
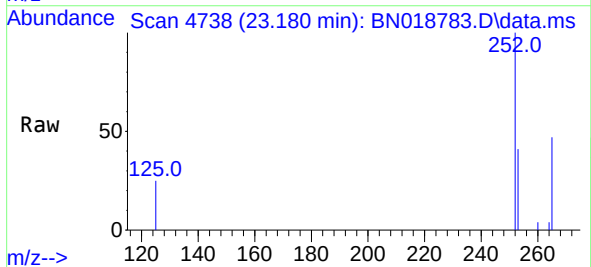
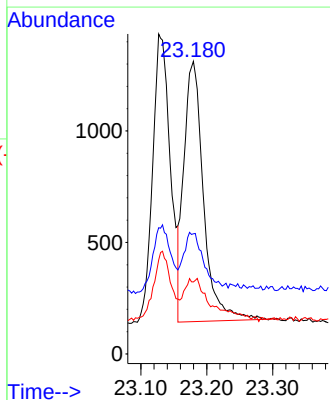
Manual Integrations
APPROVED

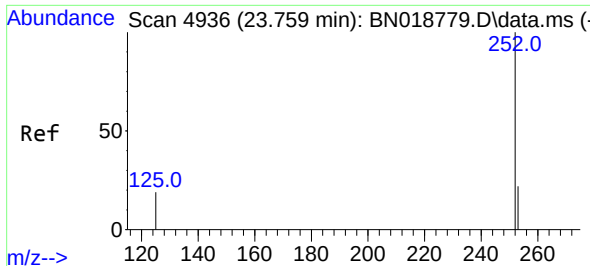
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#25
Benzo(k)fluoranthene
Concen: 0.071 ng/ul
RT: 23.180 min Scan# 4738
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

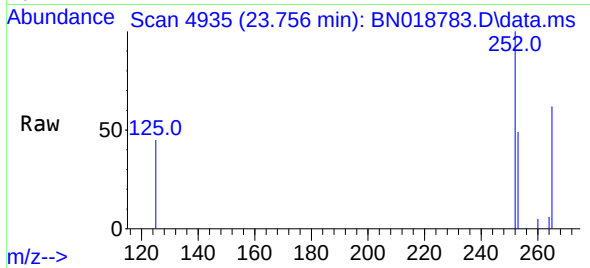
Tgt Ion:252 Resp: 2415
Ion Ratio Lower Upper
252 100
253 41.1 18.6 28.0#
125 24.6 7.3 10.9#





#26
Benzo(a)pyrene
Concen: 0.066 ng/u1
RT: 23.756 min Scan# 4935
Delta R.T. -0.005 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28

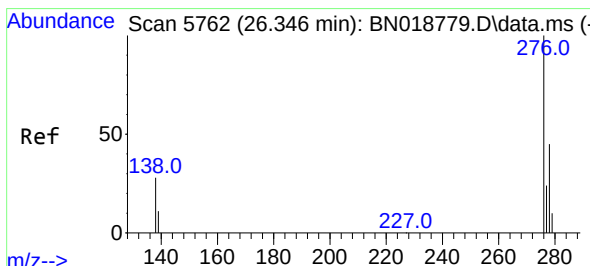
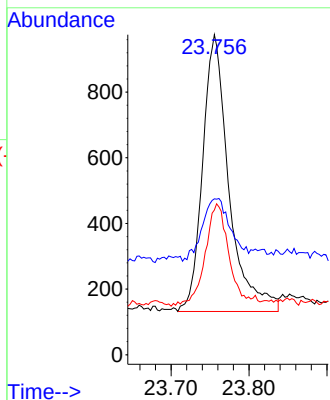
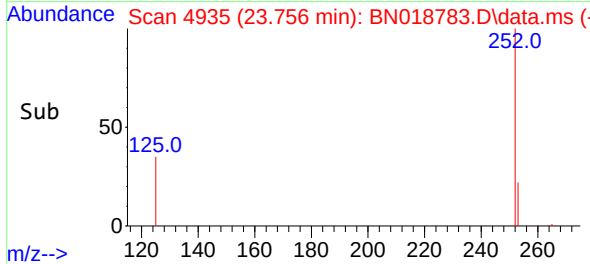
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2022-01



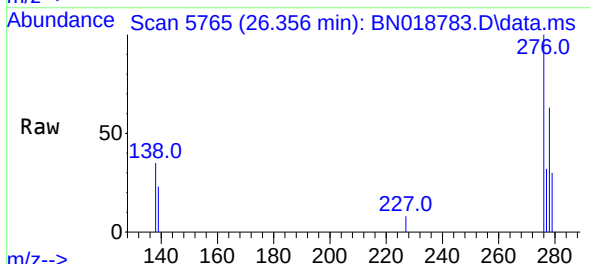
Tgt Ion:252 Resp: 197
Ion Ratio Lower Upper
252 100
253 48.7 18.9 28.3#
125 45.2 8.2 12.2#

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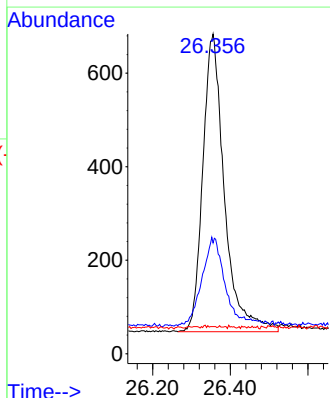
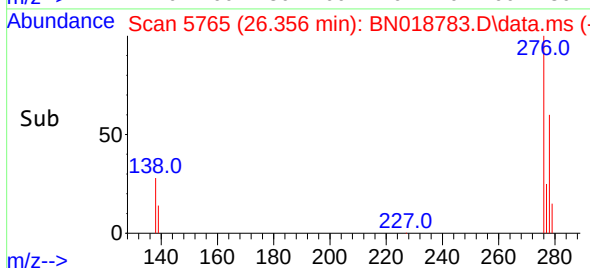
Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022

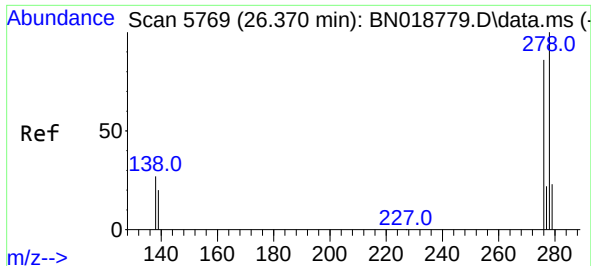


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.065 ng/u1
RT: 26.356 min Scan# 5765
Delta R.T. -0.002 min
Lab File: BN018783.D
Acq: 01 Mar 2022 13:28



Tgt Ion:276 Resp: 2462
Ion Ratio Lower Upper
276 100
138 32.5 16.5 24.7#
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.062 ng/ul

RT: 26.372 min Scan# 51

Delta R.T. -0.002 min

Lab File: BN018783.D

Acq: 01 Mar 2022 13:28

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2022-01

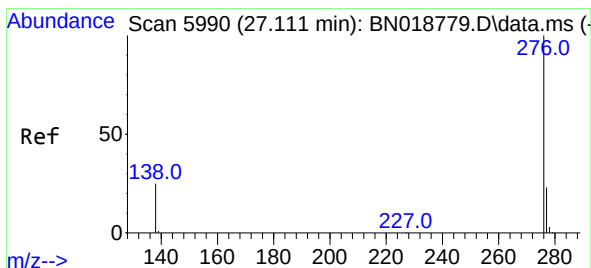
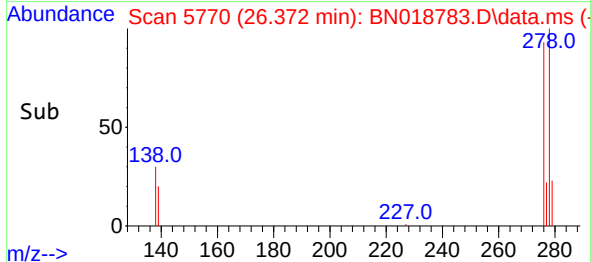
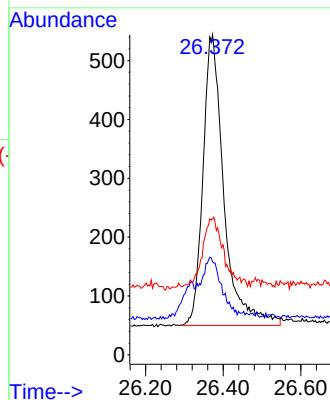
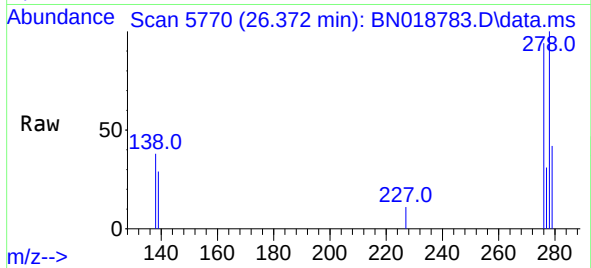
Tgt Ion: 278 Resp: 1840

Ion	Ratio	Lower	Upper
278	100		
139	29.0	11.9	17.9
279	42.5	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2022
Supervised By :mohammad ahmed 03/02/2022



#29

Benzo(g,h,i)perylene

Concen: 0.071 ng/ul

RT: 27.110 min Scan# 5990

Delta R.T. -0.012 min

Lab File: BN018783.D

Acq: 01 Mar 2022 13:28

Tgt Ion: 276 Resp: 2297

Ion	Ratio	Lower	Upper
276	100		
138	31.4	14.4	21.6
277	29.9	19.2	28.8

