

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031824\
 Data File : BN030428.D
 Acq On : 18 Mar 2024 12:54
 Operator : MA/JU
 Sample : P1601-04
 Misc : SFAM-SIM-MDL -SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Quant Time: Mar 18 13:23:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN031524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 01:04:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/18/2024
 Supervised By :mohammad ahmed 03/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	1908	0.400	ng/ul	0.00
4) Naphthalene-d8	10.381	136	4487	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.257	164	2665	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.020	188	4585	0.400	ng/ul	0.00
17) Chrysene-d12	21.222	240	4225	0.400	ng/ul	0.00
23) Perylene-d12	23.432	264	4806	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	1026	0.441	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.987	152	2128	0.343	ng/ul	0.00
18) Fluoranthene-d10	19.054	212	5556	0.427	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.185	88	256m	0.101	ng/ul	
5) Naphthalene	10.431	128	811	0.067	ng/ul#	75
7) 2-Methylnaphthalene	12.064	142	422	0.059	ng/ul#	100
8) 1-Methylnaphthalene	12.278	142	499	0.066	ng/ul#	26
10) Acenaphthylene	13.975	152	898	0.071	ng/ul#	86
11) Acenaphthene	14.317	153	685	0.074	ng/ul	95
12) Fluorene	15.326	166	678	0.066	ng/ul#	89
14) Pentachlorophenol	16.673	266	115	0.087	ng/ul#	100
15) Phenanthrene	17.062	178	980	0.073	ng/ul#	79
16) Anthracene	17.159	178	811	0.066	ng/ul#	73
19) Fluoranthene	19.082	202	1204	0.072	ng/ul#	78
20) Pyrene	19.449	202	1333	0.075	ng/ul#	86
21) Benzo(a)anthracene	21.211	228	824	0.058	ng/ul#	87
22) Chrysene	21.258	228	1113	0.068	ng/ul#	93
24) Benzo(b)fluoranthene	22.774	252	1071	0.066	ng/ul#	21
25) Benzo(k)fluoranthene	22.821	252	1224	0.062	ng/ul#	22
26) Benzo(a)pyrene	23.341	252	1127	0.066	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.656	276	1410	0.063	ng/ul#	69
28) Dibenzo(a,h)anthracene	25.699	278	1051	0.061	ng/ul#	1
29) Benzo(g,h,i)perylene	26.320	276	1326	0.066	ng/ul#	71

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

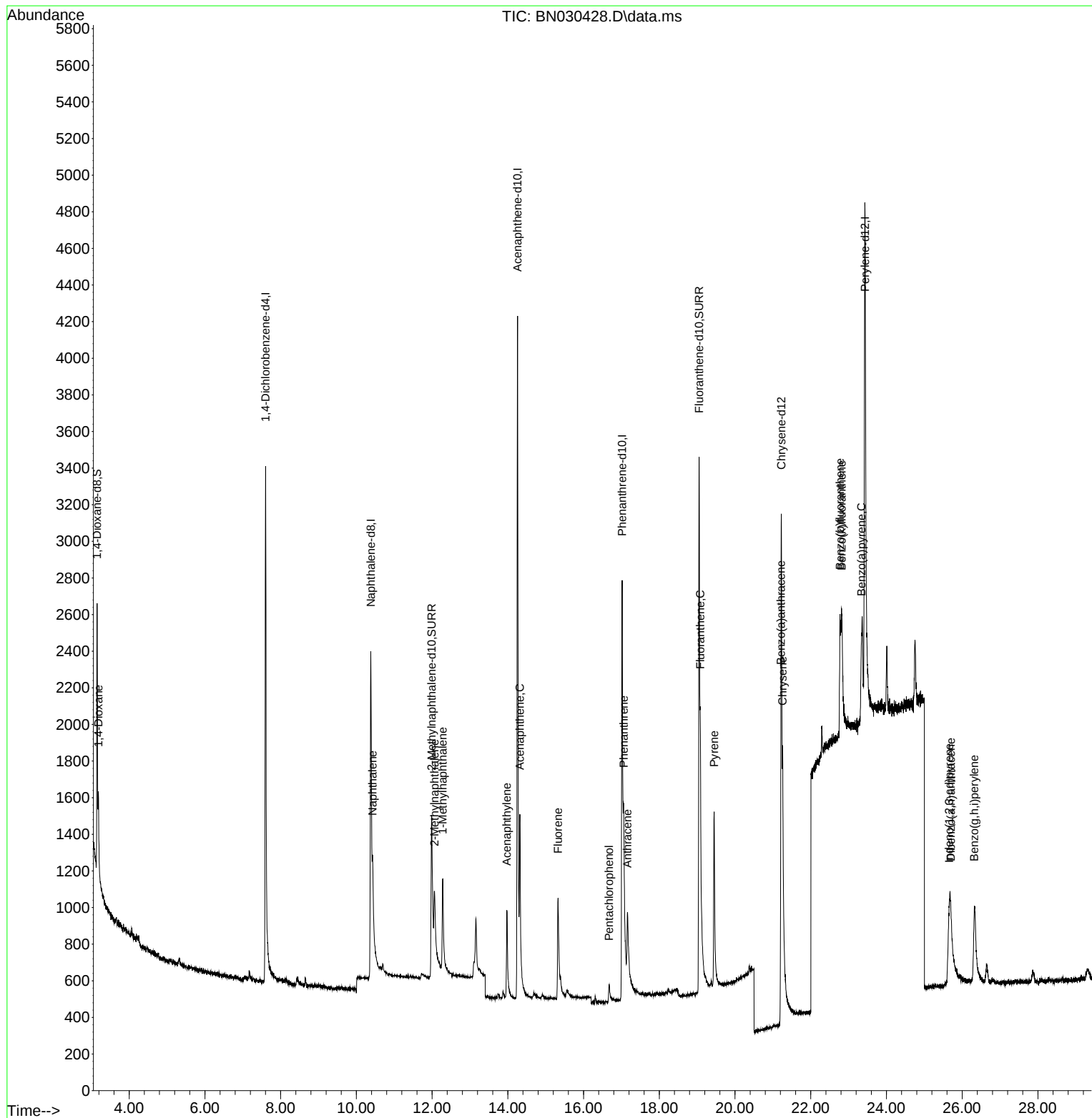
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031824\
Data File : BN030428.D
Acq On : 18 Mar 2024 12:54
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Sample : P1601-04
Misc : SFAM-SIM-MDL -SOIL-02
ALS Vial : 5 Sample Multiplier: 1

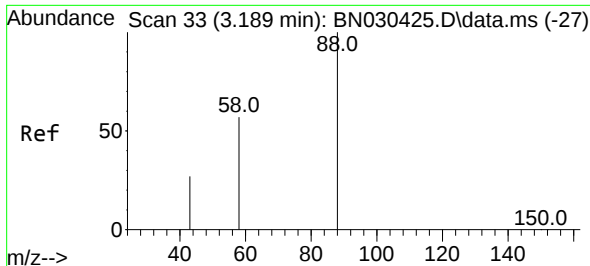
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02

Quant Time: Mar 18 13:23:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN031524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 15 01:04:41 2024
Response via : Initial Calibration

Manual Integrations
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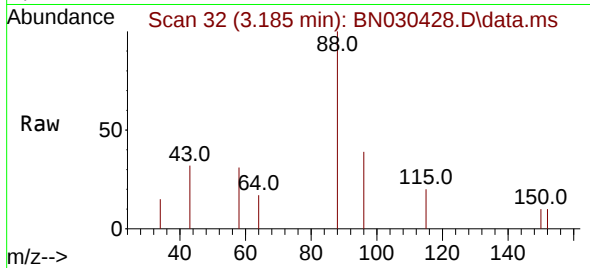
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024





#2
1,4-Dioxane
Concen: 0.101 ng/ul m
RT: 3.185 min Scan# 31
Delta R.T. -0.002 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

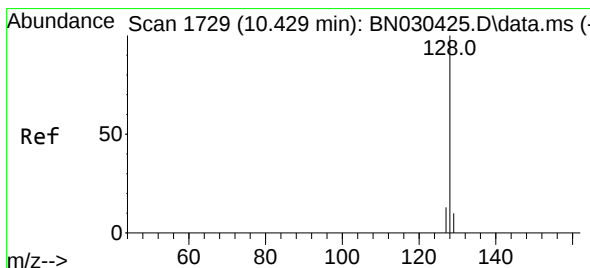
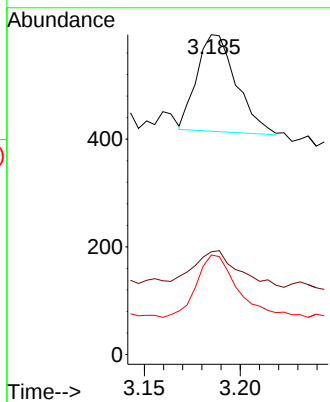
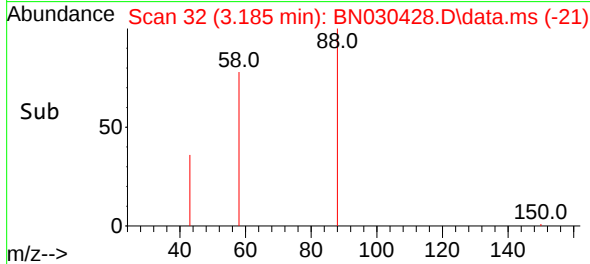
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 32.2 24.7 37.1
58 31.1 36.6 54.8

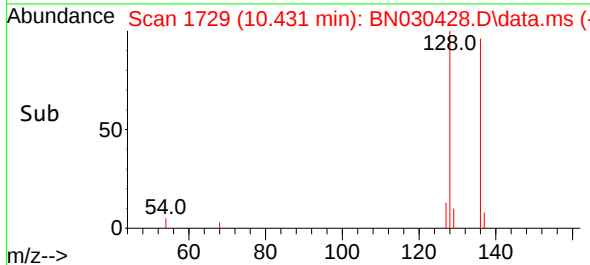
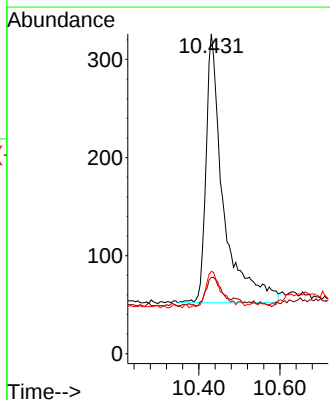
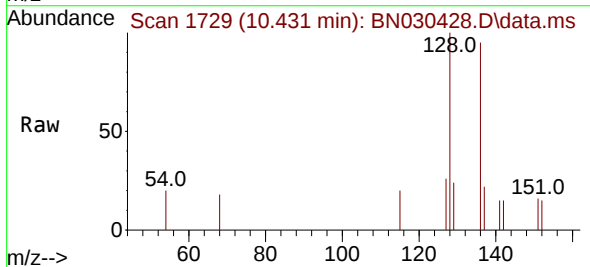
Manual Integrations
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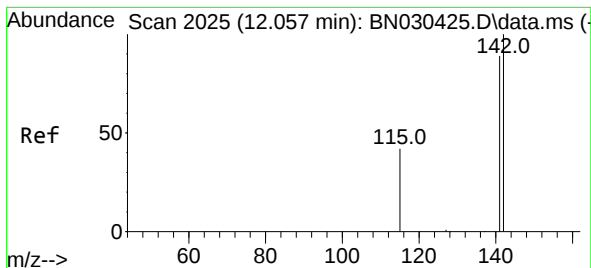
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#5
Naphthalene
Concen: 0.067 ng/ul
RT: 10.431 min Scan# 1729
Delta R.T. 0.004 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

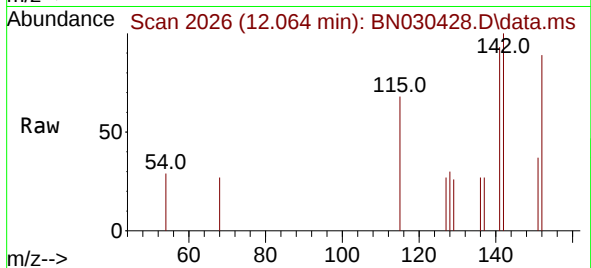
Tgt Ion:128 Resp: 811
Ion Ratio Lower Upper
128 100
129 23.9 10.5 15.7#
127 25.8 13.0 19.4#





#7
2-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.064 min Scan# 2025
Delta R.T. 0.009 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

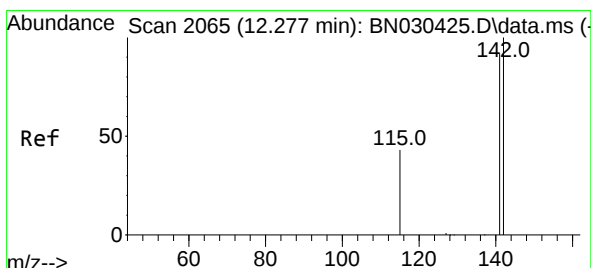
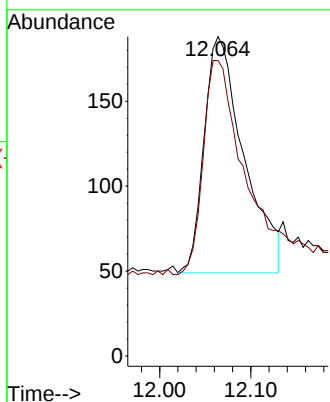
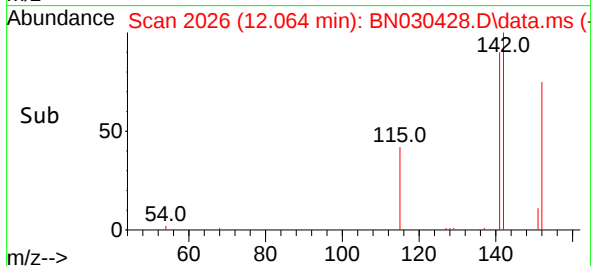
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



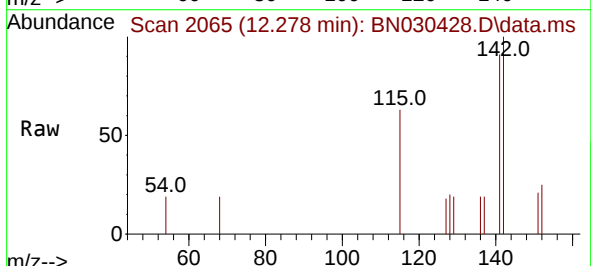
Tgt Ion:142 Resp: 422
Ion Ratio Lower Upper
142 100
141 90.0 0.0 0.0

Manual Integrations
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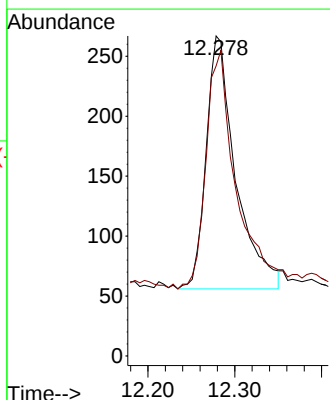
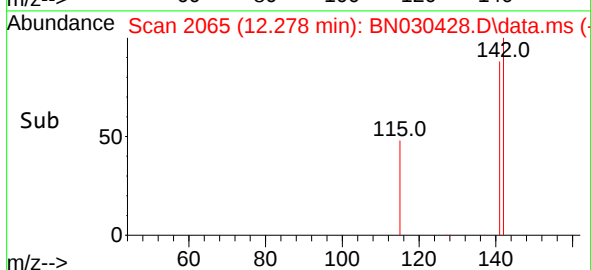
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024

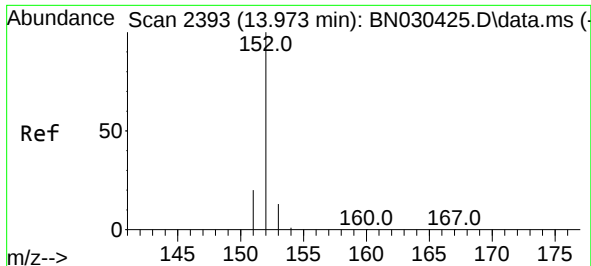


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.278 min Scan# 2065
Delta R.T. 0.004 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54



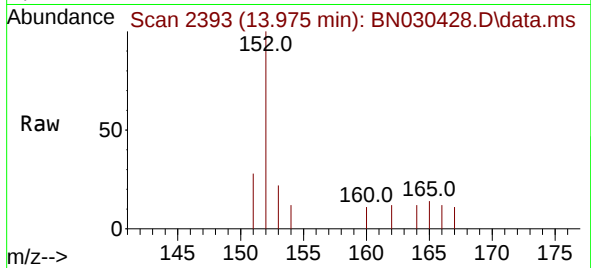
Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
141 95.4 0.2 0.2





#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 13.975 min Scan# 21
Delta R.T. -0.002 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

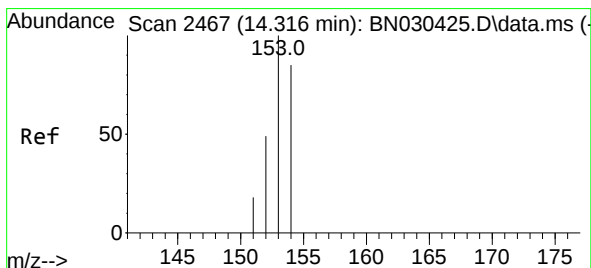
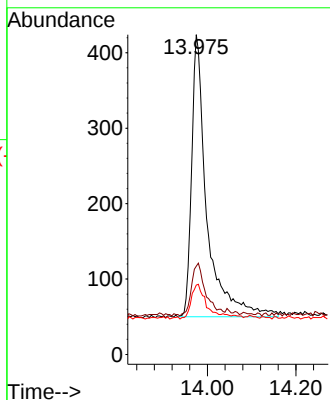
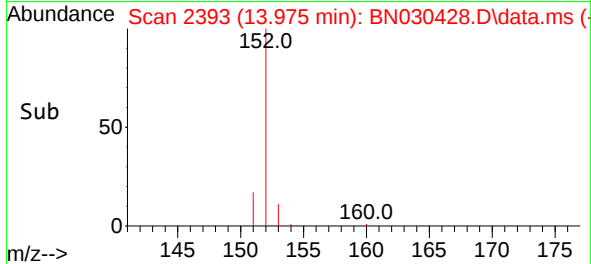
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:152 Resp: 898
Ion Ratio Lower Upper
152 100
151 27.6 17.1 25.7
153 21.7 12.2 18.2

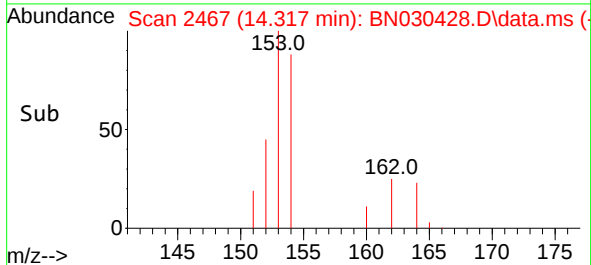
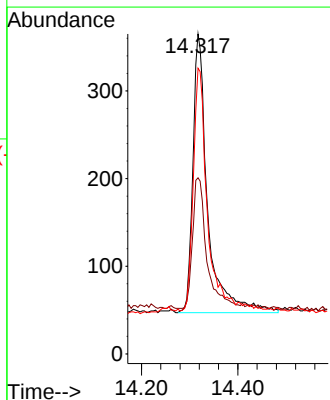
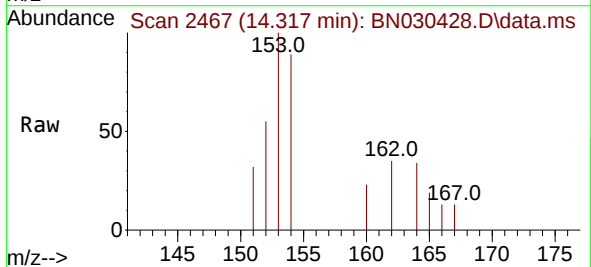
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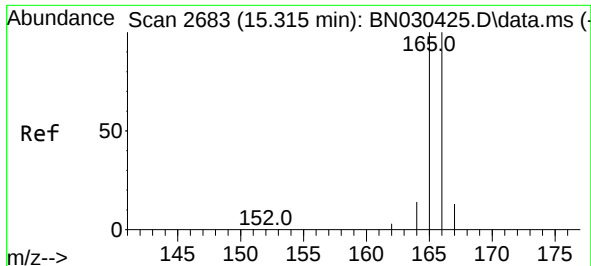
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#11
Acenaphthene
Concen: 0.074 ng/ul
RT: 14.317 min Scan# 2467
Delta R.T. -0.002 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

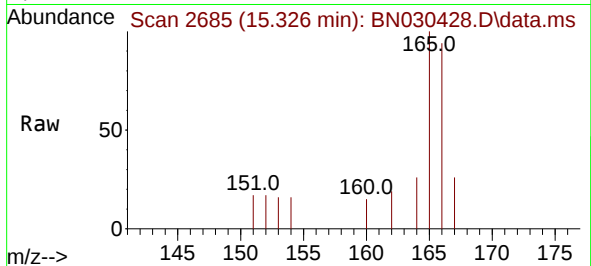
Tgt Ion:153 Resp: 685
Ion Ratio Lower Upper
153 100
152 55.1 40.2 60.2
154 89.3 69.0 103.4





#12
Fluorene
Concen: 0.066 ng/ul
RT: 15.326 min Scan# 2086
Delta R.T. 0.008 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

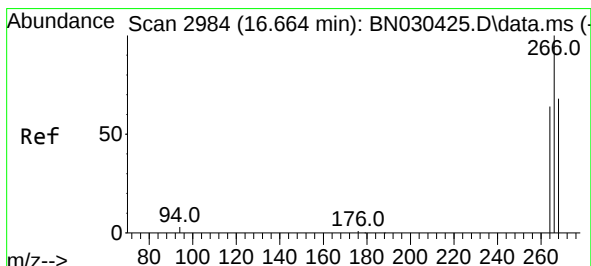
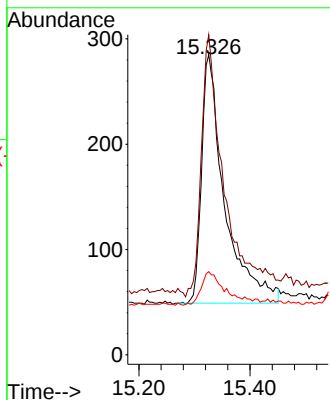
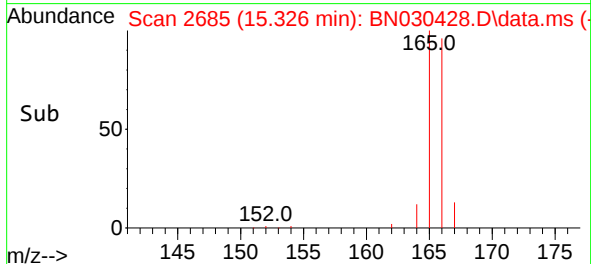
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:166 Resp: 678
Ion Ratio Lower Upper
166 100
165 106.7 78.5 117.7
167 27.7 12.7 19.1

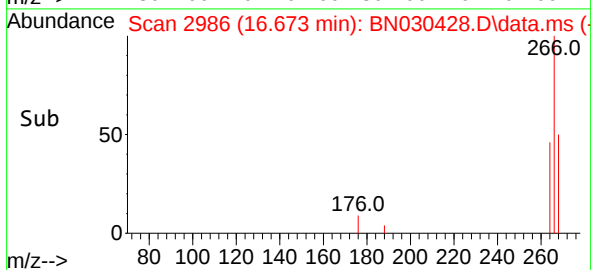
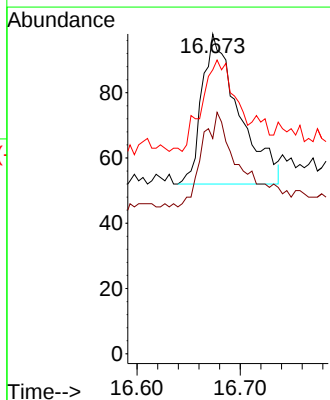
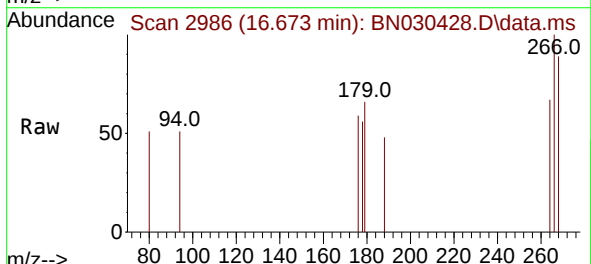
Manual Integrations
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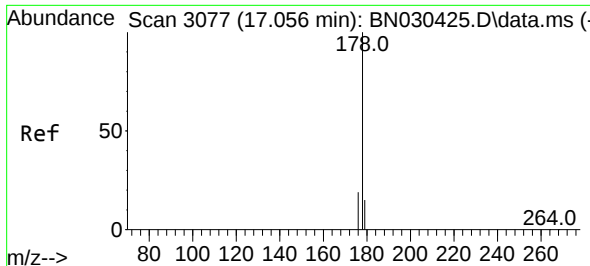
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#14
Pentachlorophenol
Concen: 0.087 ng/ul
RT: 16.673 min Scan# 2986
Delta R.T. 0.007 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

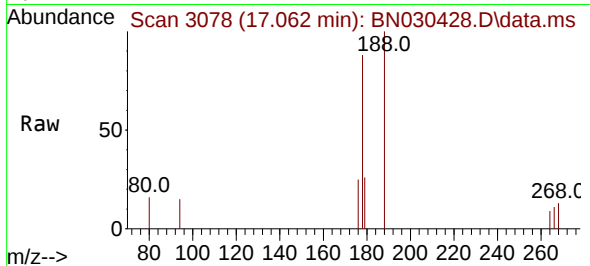
Tgt Ion:266 Resp: 115
Ion Ratio Lower Upper
266 100
264 66.1 0.0 0.0#
268 65.2 0.0 0.0#





#15
Phenanthrene
Concen: 0.073 ng/u1
RT: 17.062 min Scan# 3077
Delta R.T. 0.007 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

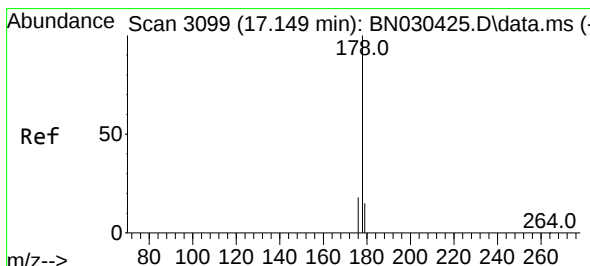
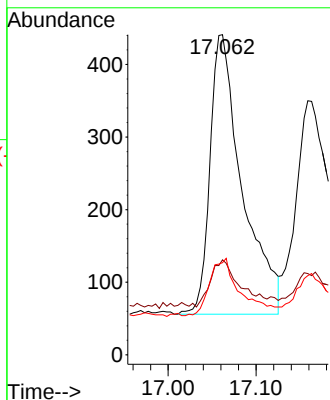
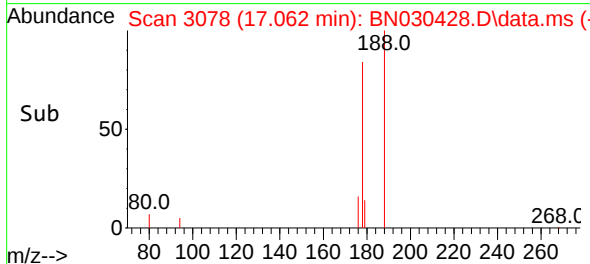
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:178 Resp: 980
Ion Ratio Lower Upper
178 100
179 29.7 14.2 21.4#
176 28.8 16.8 25.2#

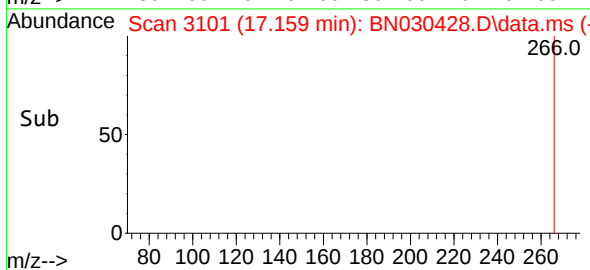
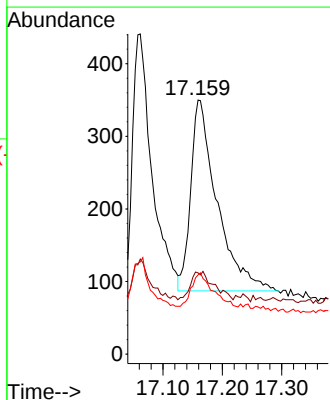
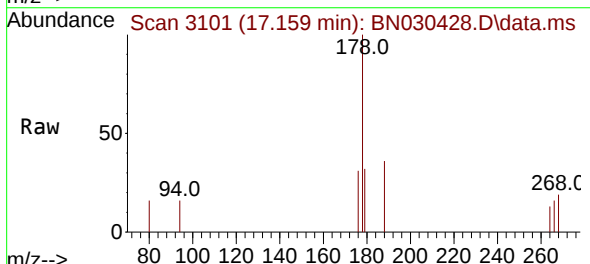
Manual Integrations
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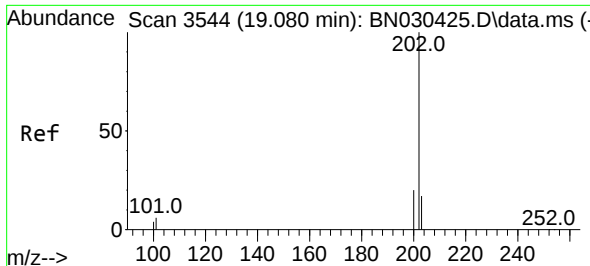
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#16
Anthracene
Concen: 0.066 ng/u1
RT: 17.159 min Scan# 3101
Delta R.T. 0.007 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

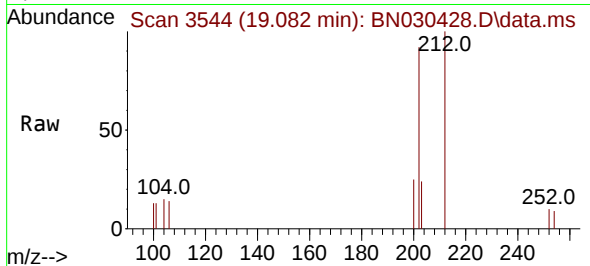
Tgt Ion:178 Resp: 811
Ion Ratio Lower Upper
178 100
179 32.0 14.4 21.6#
176 31.1 16.5 24.7#





#19
Fluoranthene
Concen: 0.072 ng/u1
RT: 19.082 min Scan# 3544
Delta R.T. 0.003 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

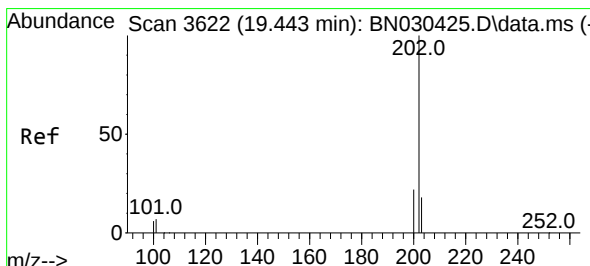
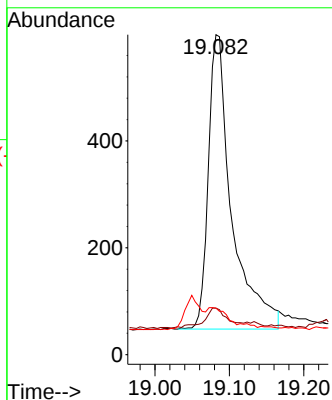
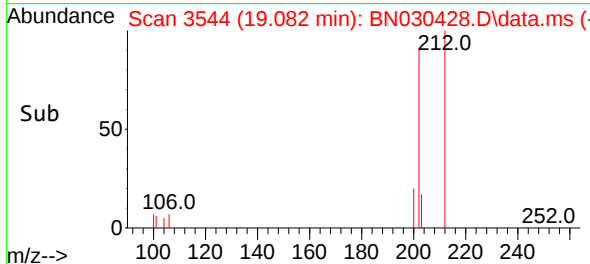
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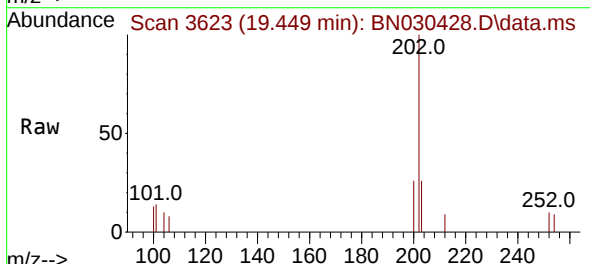
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Ion Ratio Lower Upper
202 100
101 14.5 5.8 8.8#
100 14.5 5.2 7.8#

Manual Integrations
APPROVED

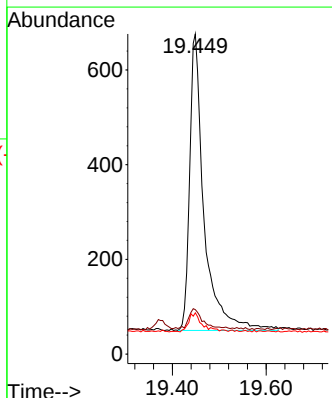
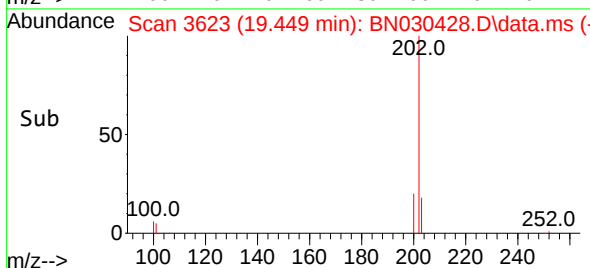
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024

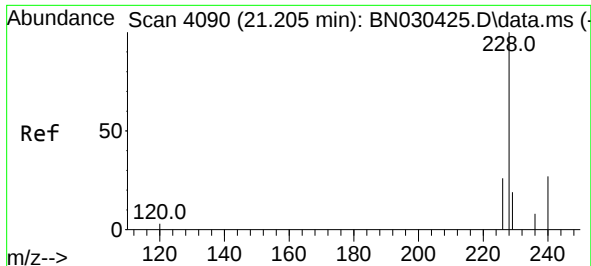


#20
Pyrene
Concen: 0.075 ng/u1
RT: 19.449 min Scan# 3623
Delta R.T. 0.008 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54



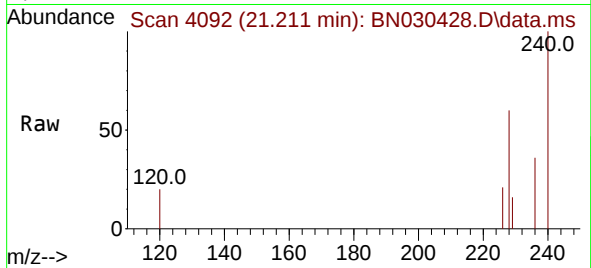
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Ion Ratio Lower Upper
202 100
101 13.9 7.0 10.6#
100 12.9 6.2 9.4#





#21
Benzo(a)anthracene
Concen: 0.058 ng/u1
RT: 21.211 min Scan# 4092
Delta R.T. 0.010 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

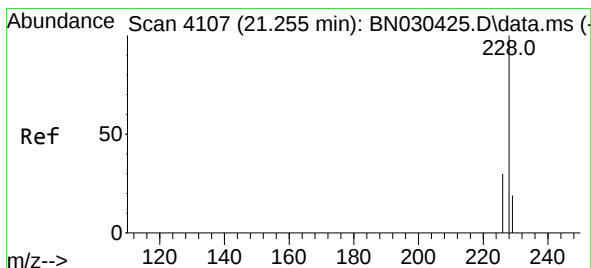
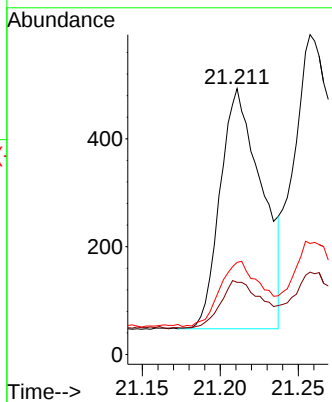
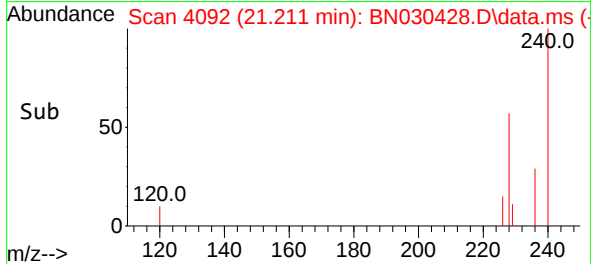
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:228 Resp: 824
Ion Ratio Lower Upper
228 100
229 27.2 16.4 24.6
226 34.7 22.7 34.1

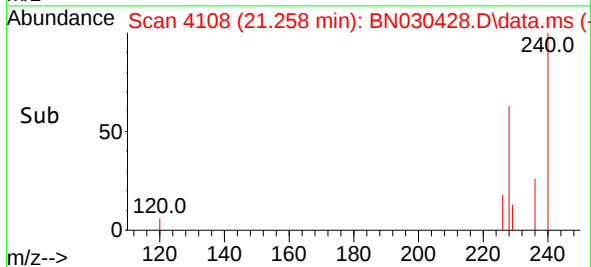
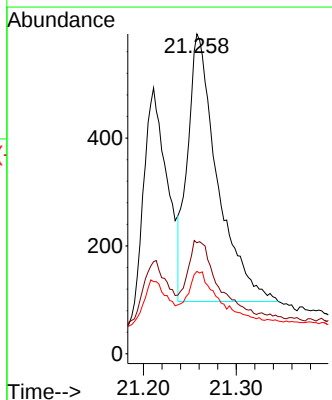
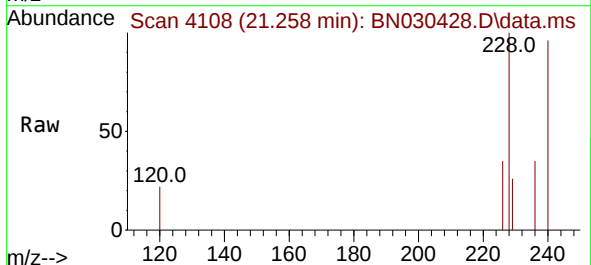
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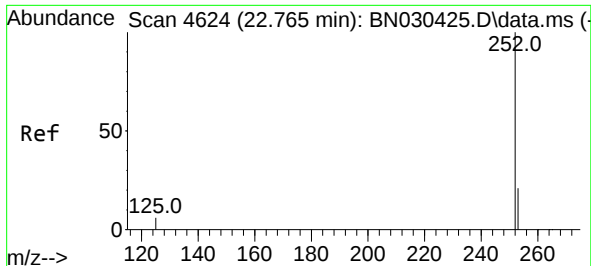
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#22
Chrysene
Concen: 0.068 ng/u1
RT: 21.258 min Scan# 4108
Delta R.T. 0.007 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

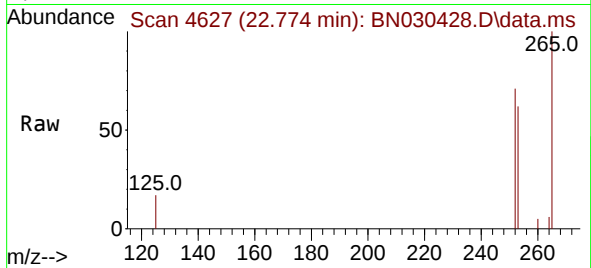
Tgt Ion:228 Resp: 1113
Ion Ratio Lower Upper
228 100
226 34.7 25.6 38.4
229 25.8 16.6 25.0





#24
Benzo(b)fluoranthene
Concen: 0.066 ng/ul
RT: 22.774 min Scan# 4624
Delta R.T. 0.010 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

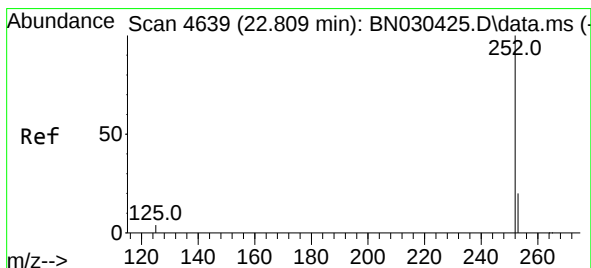
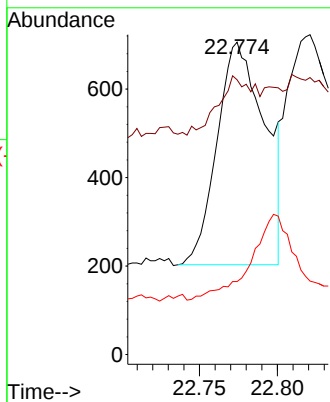
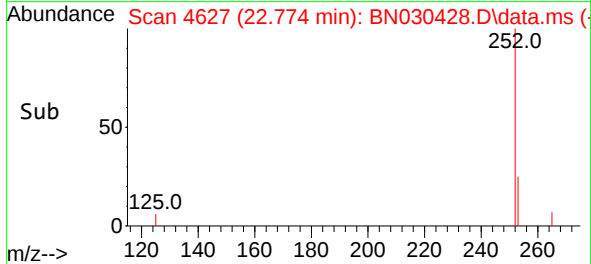
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:252 Resp: 107
Ion Ratio Lower Upper
252 100
253 88.0 0.0 71.4
125 23.4 0.0 18.6

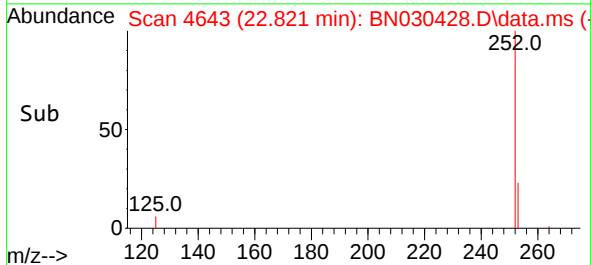
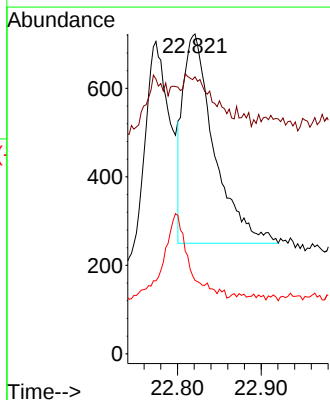
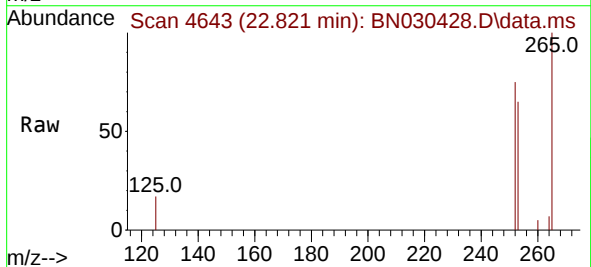
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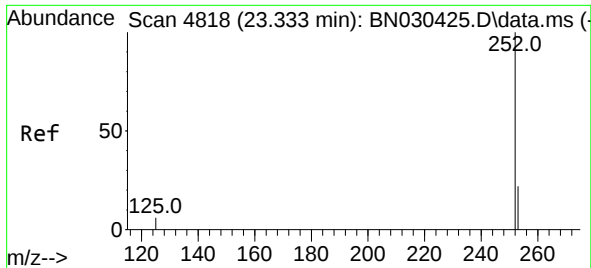
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#25
Benzo(k)fluoranthene
Concen: 0.062 ng/ul
RT: 22.821 min Scan# 4643
Delta R.T. 0.013 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

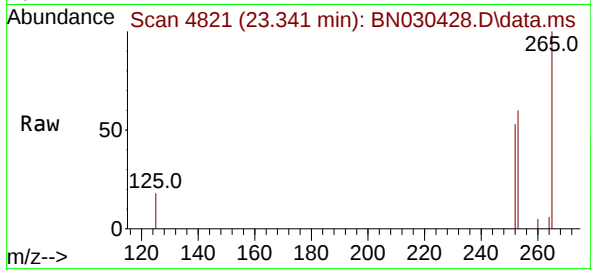
Tgt Ion:252 Resp: 1224
Ion Ratio Lower Upper
252 100
253 86.6 27.7 41.5#
125 23.0 8.0 12.0#





#26
Benzo(a)pyrene
Concen: 0.066 ng/ul
RT: 23.341 min Scan# 4818
Delta R.T. 0.013 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

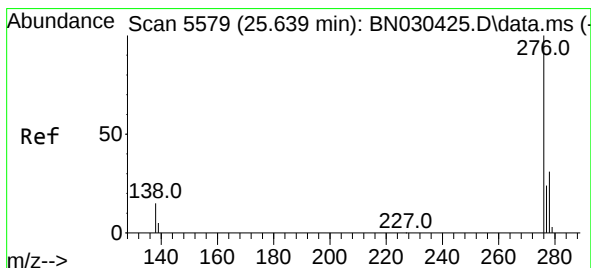
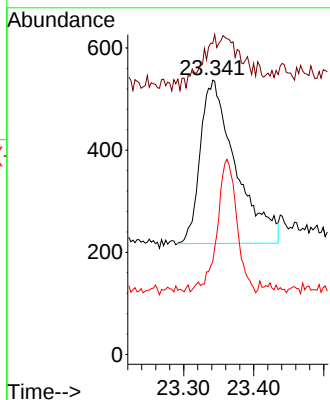
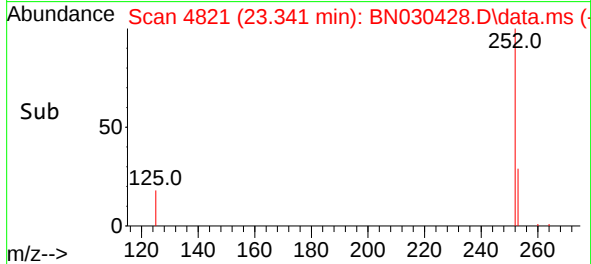
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



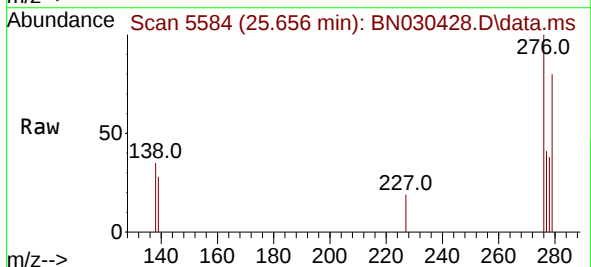
Tgt Ion:252 Resp: 112
Ion Ratio Lower Upper
252 100
253 113.4 34.4 51.6
125 33.9 9.0 13.4

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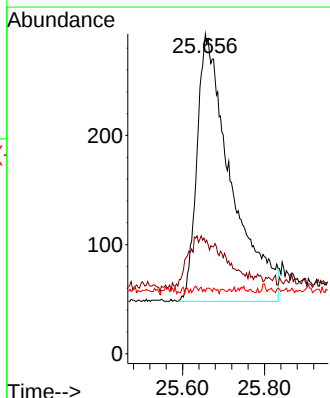
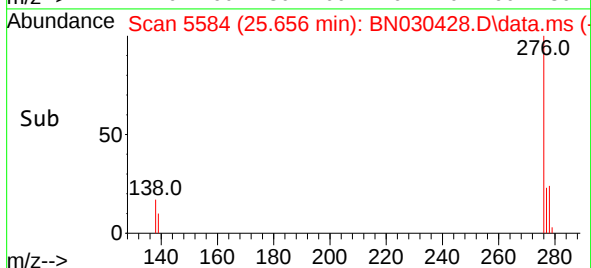
Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024

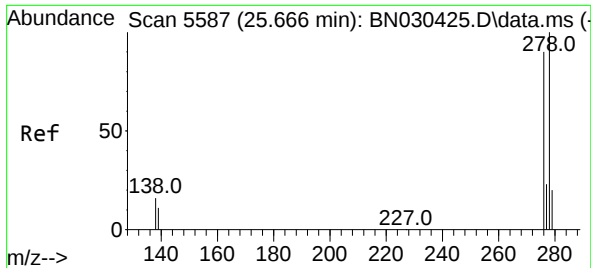


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng/ul
RT: 25.656 min Scan# 5584
Delta R.T. 0.018 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54



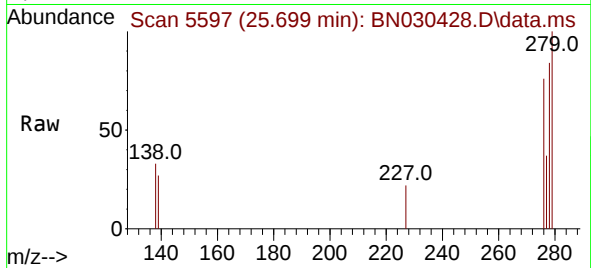
Tgt Ion:276 Resp: 1410
Ion Ratio Lower Upper
276 100
138 0.0 9.8 14.6#
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.699 min Scan# 5587
Delta R.T. 0.038 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

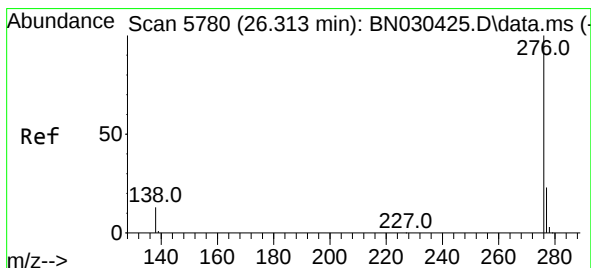
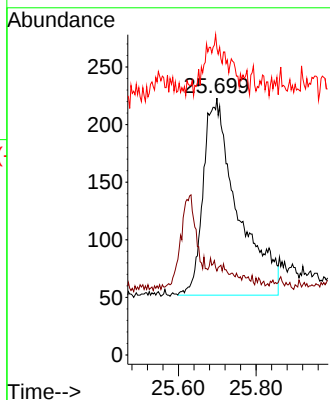
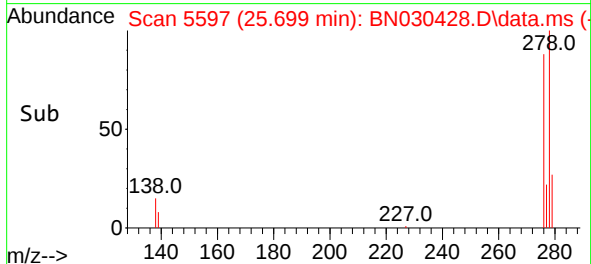
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 278 Resp: 105
Ion Ratio Lower Upper
278 100
139 32.7 12.2 18.2
279 119.3 31.8 47.6

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Reviewed By :Jagrut Upadhyay 03/18/2024
Supervised By :mohammad ahmed 03/19/2024



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 26.320 min Scan# 5782
Delta R.T. 0.011 min
Lab File: BN030428.D
Acq: 18 Mar 2024 12:54

Tgt Ion: 276 Resp: 1326
Ion Ratio Lower Upper
276 100
138 30.7 13.4 20.2#
277 39.2 20.6 31.0#

