

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010923\
 Data File : BN023594.D
 Acq On : 09 Jan 2023 13:56
 Operator : CG/JU
 Sample : N4239-03
 Misc : SFAM-SIM-MDL-S-01-0.07NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 15:08:05 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN010323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 04 00:28:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023
 Supervised By :mohammad ahmed 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	5008	0.400	ng/ul	0.00
4) Naphthalene-d8	10.765	136	14934	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.602	164	8253	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.347	188	18118	0.400	ng/ul	0.00
17) Chrysene-d12	21.537	240	14792	0.400	ng/ul	0.00
23) Perylene-d12	23.963	264	11968	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.302	96	2732	0.493	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.354	152	7030	0.306	ng/ul	0.00
18) Fluoranthene-d10	19.377	212	15478	0.357	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	380m	0.065	ng/ul	
5) Naphthalene	10.814	128	2529	0.059	ng/ul	94
7) 2-Methylnaphthalene	12.425	142	1534	0.056	ng/ul	100
8) 1-Methylnaphthalene	12.645	142	1539	0.055	ng/ul	99
10) Acenaphthylene	14.320	152	1802	0.054	ng/ul#	92
11) Acenaphthene	14.663	153	1704	0.057	ng/ul	95
12) Fluorene	15.648	166	1900	0.056	ng/ul	98
14) Pentachlorophenol	17.000	266	438	0.075	ng/ul	98
15) Phenanthrene	17.389	178	3286	0.058	ng/ul	94
16) Anthracene	17.482	178	2485	0.051	ng/ul#	91
19) Fluoranthene	19.409	202	3789	0.068	ng/ul	98
20) Pyrene	19.772	202	3732	0.063	ng/ul	96
21) Benzo(a)anthracene	21.520	228	2967	0.054	ng/ul	96
22) Chrysene	21.575	228	3481	0.063	ng/ul	98
24) Benzo(b)fluoranthene	23.221	252	3547m	0.064	ng/ul	
25) Benzo(k)fluoranthene	23.267	252	3203	0.061	ng/ul#	69
26) Benzo(a)pyrene	23.855	252	2702	0.059	ng/ul#	36
27) Indeno(1,2,3-cd)pyrene	26.490	276	3381	0.059	ng/ul	94
28) Dibenzo(a,h)anthracene	26.510	278	2623	0.058	ng/ul#	77
29) Benzo(g,h,i)perylene	27.271	276	2862	0.063	ng/ul#	91

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

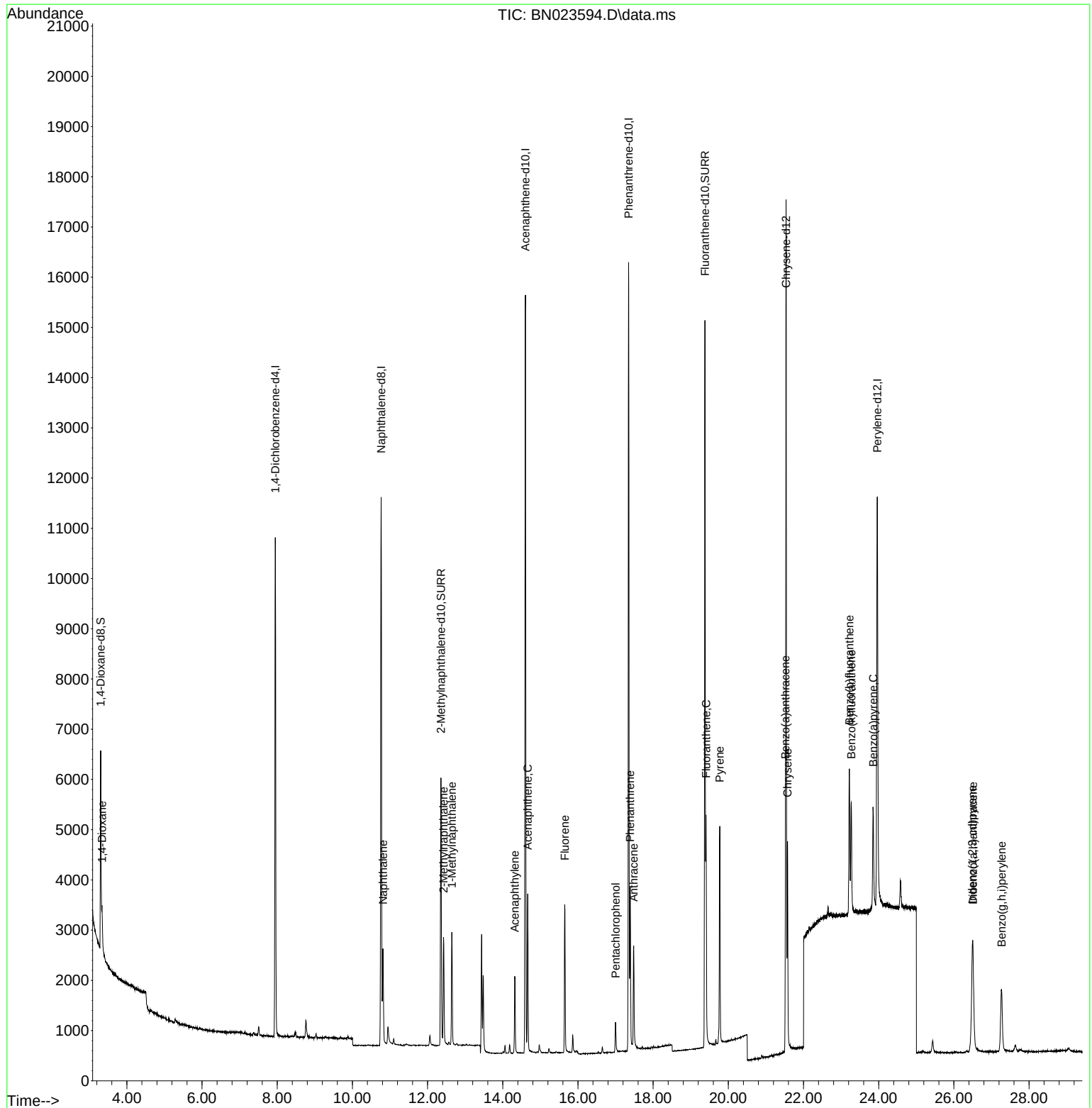
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010923\
Data File : BN023594.D
Acq On : 09 Jan 2023 13:56
Operator : CG/JU
Sample : N4239-03
Misc : SFAM-SIM-MDL-S-01-0.07NG
ALS Vial : 6 Sample Multiplier: 1

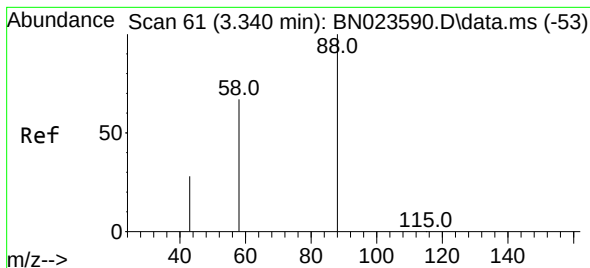
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 15:08:05 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN010323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 04 00:28:51 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

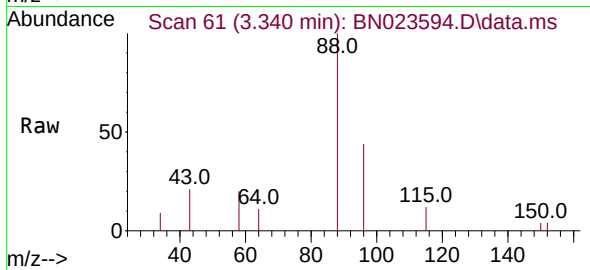
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023





#2
1,4-Dioxane
Concen: 0.065 ng/ul m
RT: 3.340 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

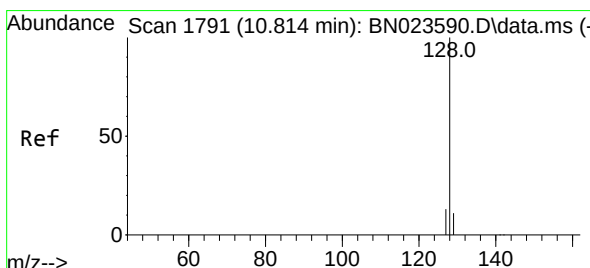
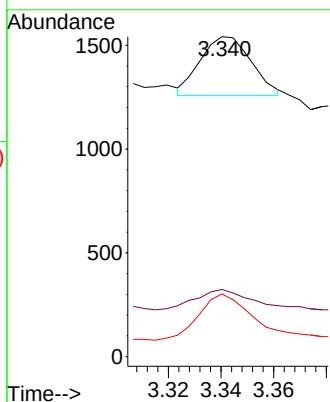
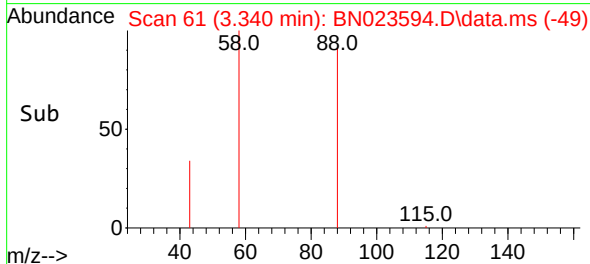
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion: 88 Resp: 380
Ion Ratio Lower Upper
88 100
43 21.0 44.0 66.0
58 19.6 50.5 75.7

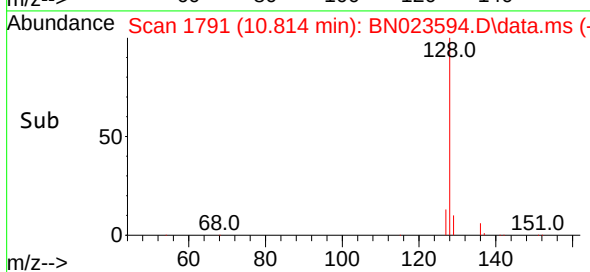
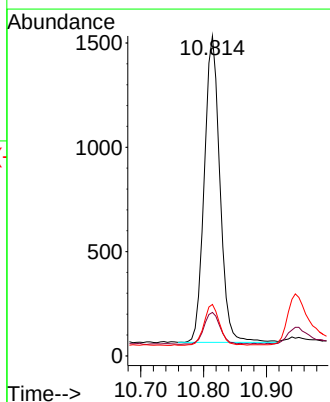
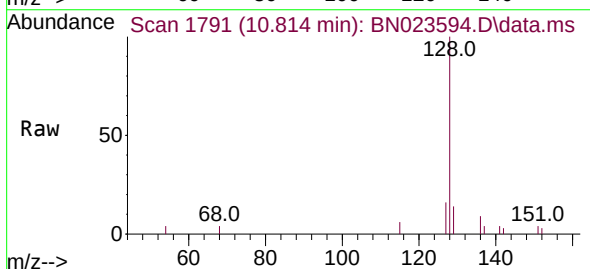
Manual Integrations
APPROVED

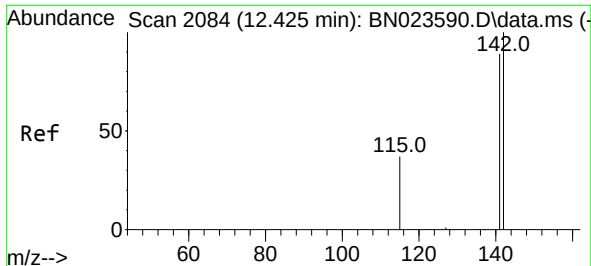
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#5
Naphthalene
Concen: 0.059 ng/ul
RT: 10.814 min Scan# 1791
Delta R.T. -0.007 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

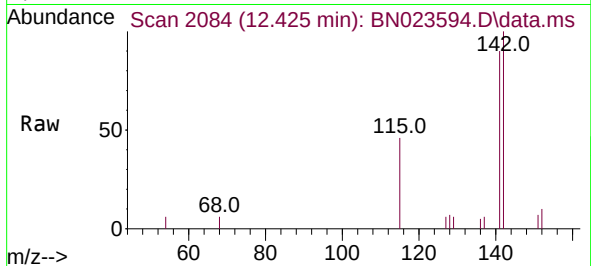
Tgt Ion:128 Resp: 2529
Ion Ratio Lower Upper
128 100
129 13.6 9.3 13.9
127 16.1 10.9 16.3





#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.425 min Scan# 2084
Delta R.T. -0.007 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

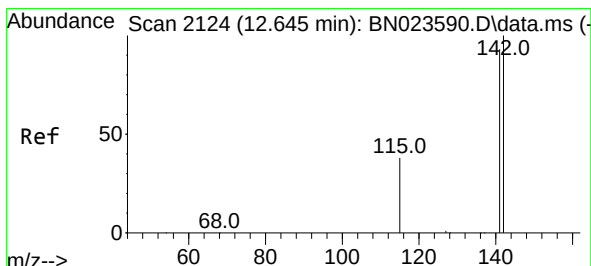
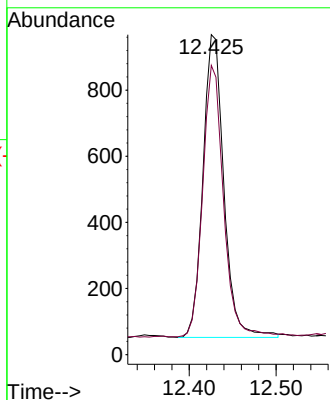
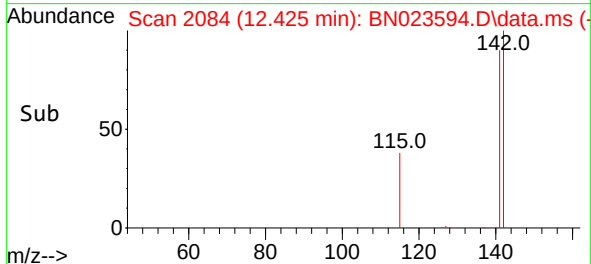
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



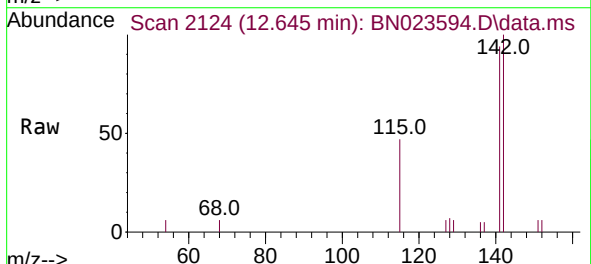
Tgt Ion:142 Resp: 1534
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2

Manual Integrations
APPROVED

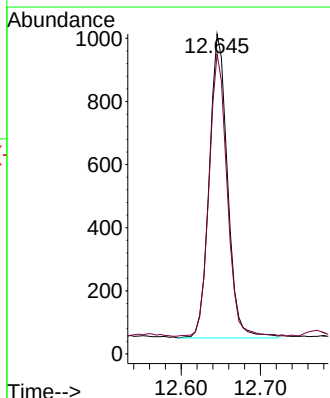
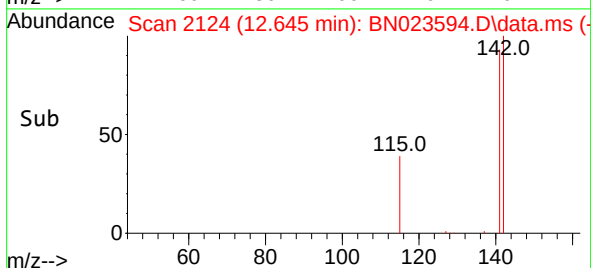
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023

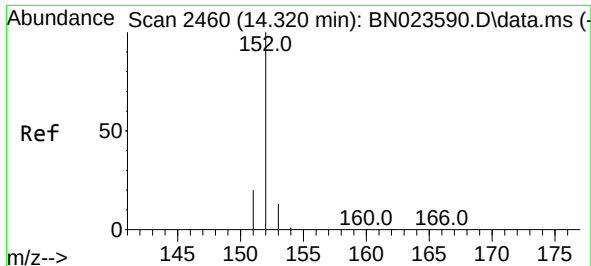


#8
1-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.645 min Scan# 2124
Delta R.T. -0.007 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56



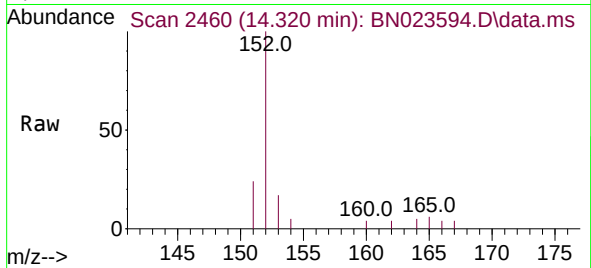
Tgt Ion:142 Resp: 1539
Ion Ratio Lower Upper
142 100
141 91.9 74.1 111.1





#10
Acenaphthylene
Concen: 0.054 ng/ul
RT: 14.320 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

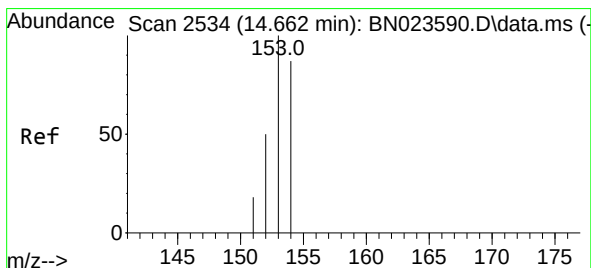
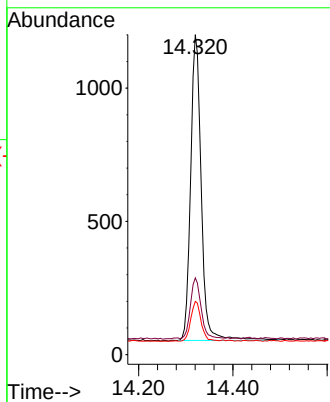
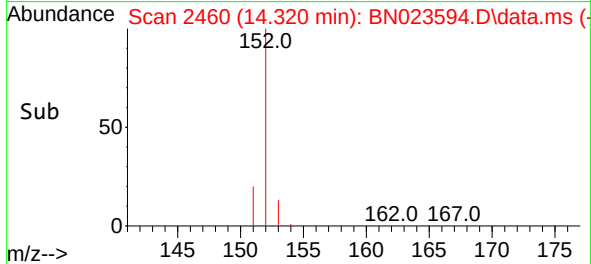
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:152 Resp: 1802
Ion Ratio Lower Upper
152 100
151 24.0 16.3 24.5
153 16.7 10.7 16.1

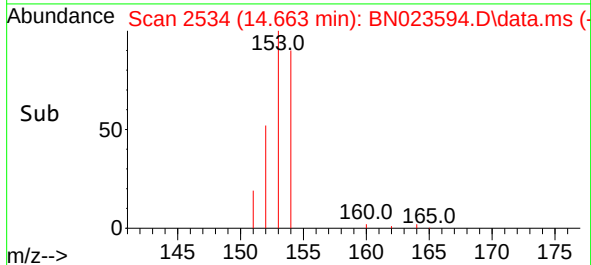
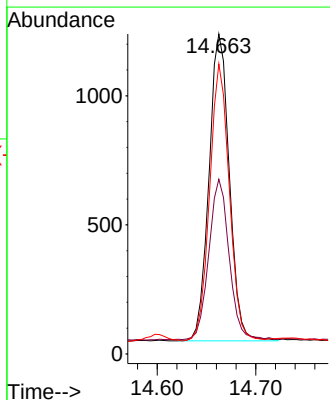
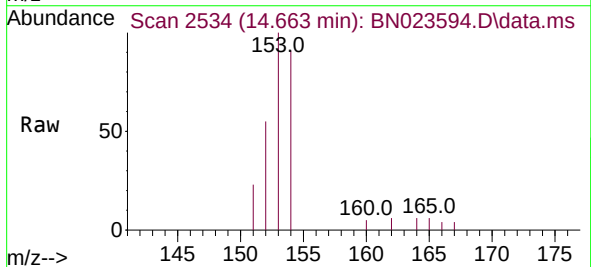
Manual Integrations
APPROVED

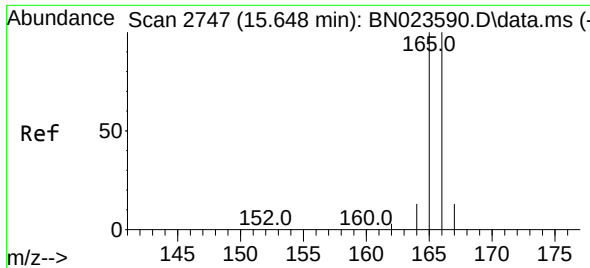
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#11
Acenaphthene
Concen: 0.057 ng/ul
RT: 14.663 min Scan# 2534
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

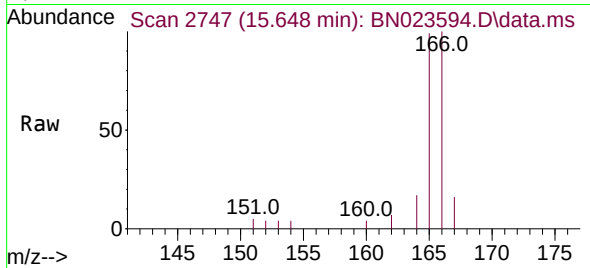
Tgt Ion:153 Resp: 1704
Ion Ratio Lower Upper
153 100
152 54.6 39.8 59.8
154 90.6 70.1 105.1





#12
Fluorene
Concen: 0.056 ng/ul
RT: 15.648 min Scan# 2747
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

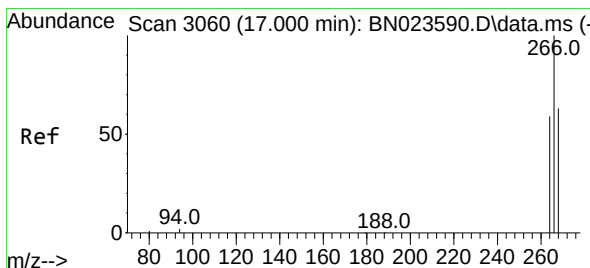
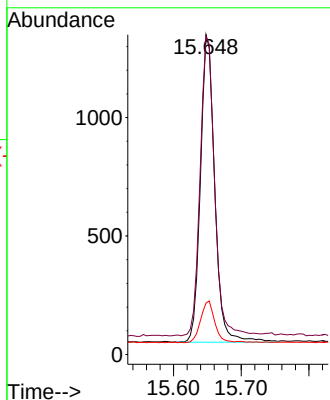
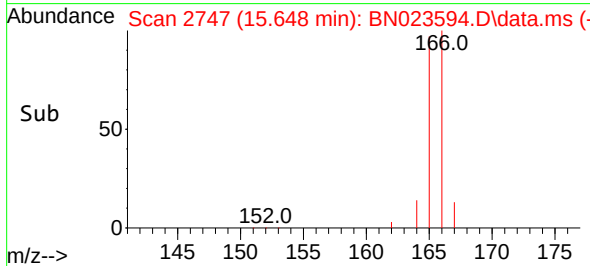
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:166 Resp: 1900
Ion Ratio Lower Upper
166 100
165 99.5 78.7 118.1
167 16.1 11.0 16.6

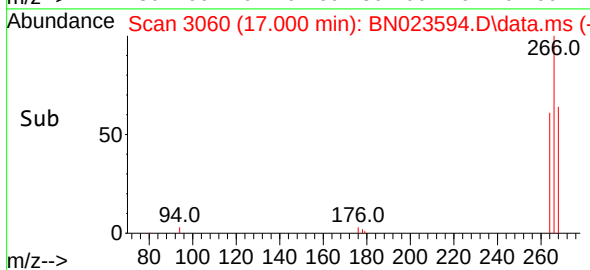
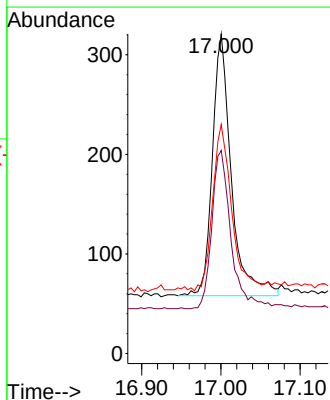
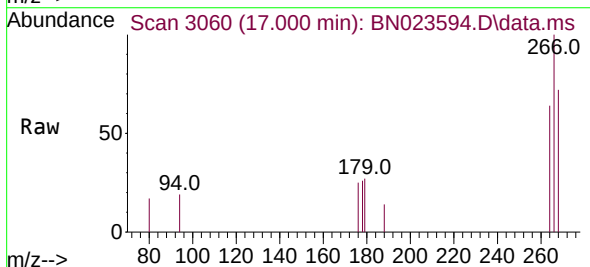
Manual Integrations
APPROVED

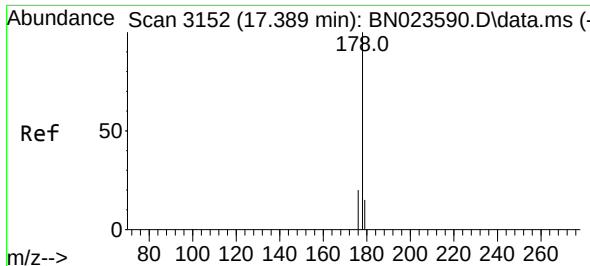
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#14
Pentachlorophenol
Concen: 0.075 ng/ul
RT: 17.000 min Scan# 3060
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

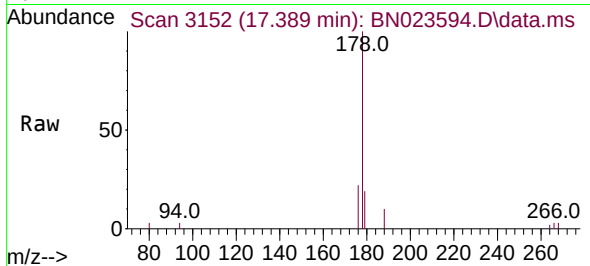
Tgt Ion:266 Resp: 438
Ion Ratio Lower Upper
266 100
264 61.6 50.0 75.0
268 67.1 51.4 77.0





#15
Phenanthrene
Concen: 0.058 ng/ul
RT: 17.389 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

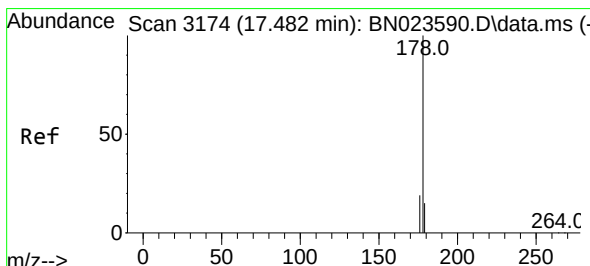
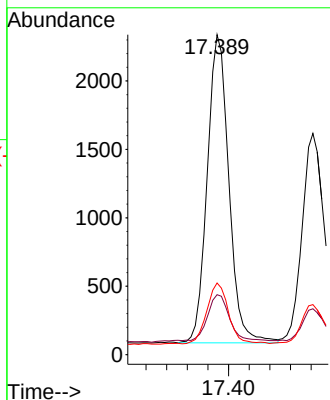
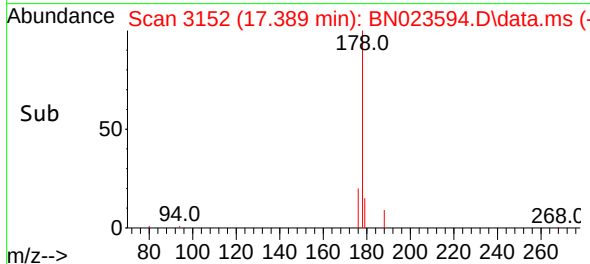
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:178 Resp: 3286
Ion Ratio Lower Upper
178 100
179 18.7 12.6 18.8
176 22.4 15.8 23.8

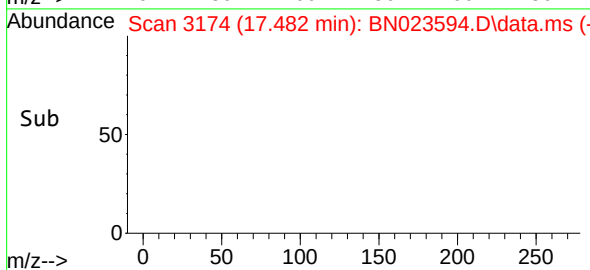
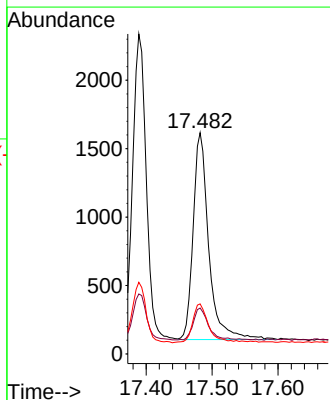
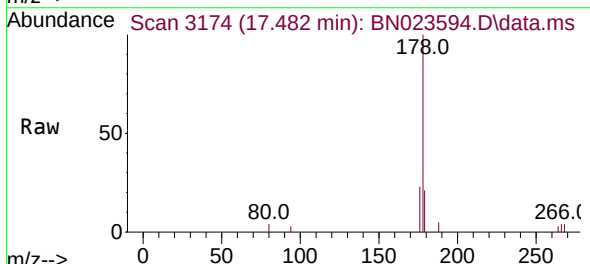
Manual Integrations
APPROVED

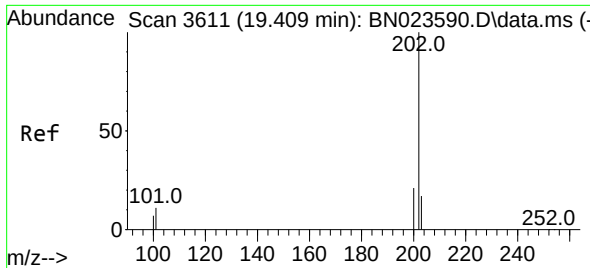
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#16
Anthracene
Concen: 0.051 ng/ul
RT: 17.482 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

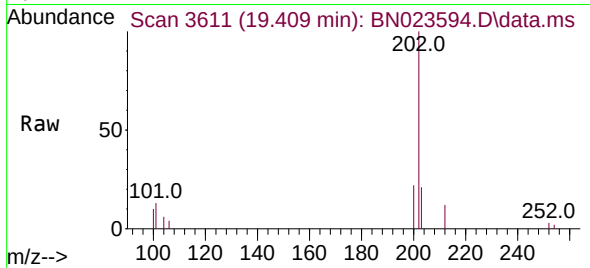
Tgt Ion:178 Resp: 2485
Ion Ratio Lower Upper
178 100
179 20.7 12.7 19.1#
176 22.6 15.4 23.2





#19
Fluoranthene
Concen: 0.068 ng/u1
RT: 19.409 min Scan# 3611
Delta R.T. -0.002 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

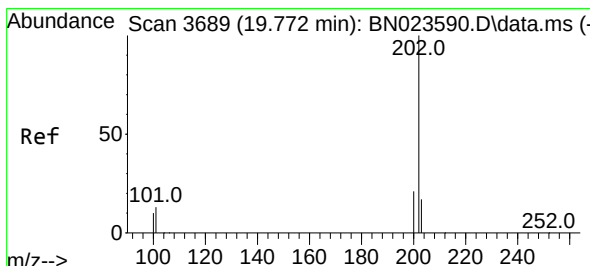
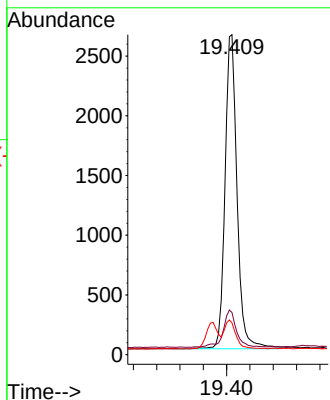
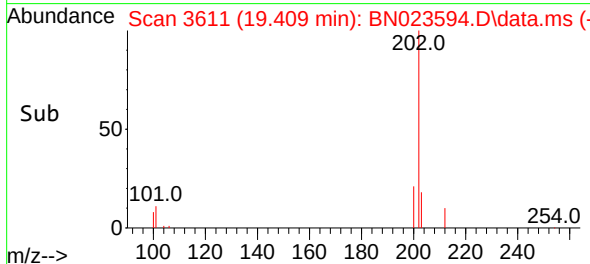
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



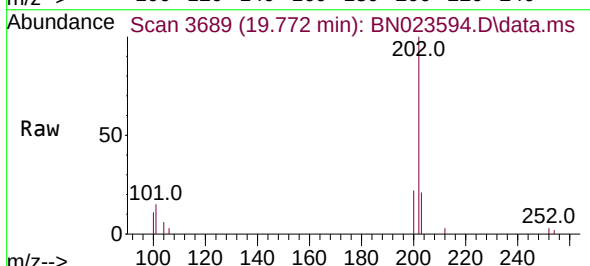
Tgt Ion:202 Resp: 3789
Ion Ratio Lower Upper
202 100
101 13.2 9.8 14.6
100 10.0 7.4 11.2

Manual Integrations
APPROVED

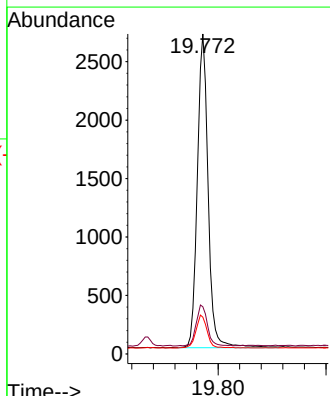
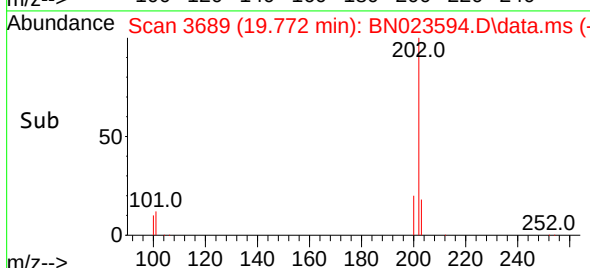
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023

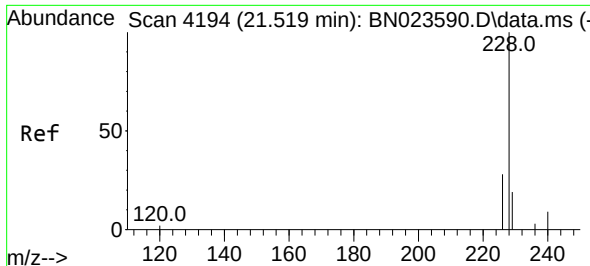


#20
Pyrene
Concen: 0.063 ng/u1
RT: 19.772 min Scan# 3689
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56



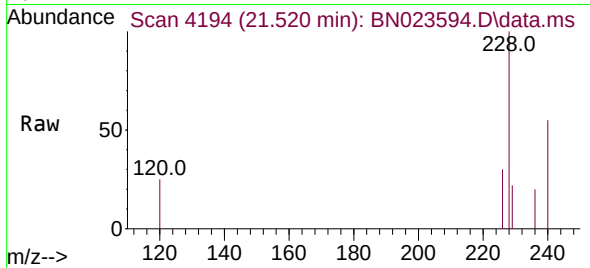
Tgt Ion:202 Resp: 3732
Ion Ratio Lower Upper
202 100
101 14.8 10.3 15.5
100 11.5 8.0 12.0





#21
Benzo(a)anthracene
Concen: 0.054 ng/ul
RT: 21.520 min Scan# 4194
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

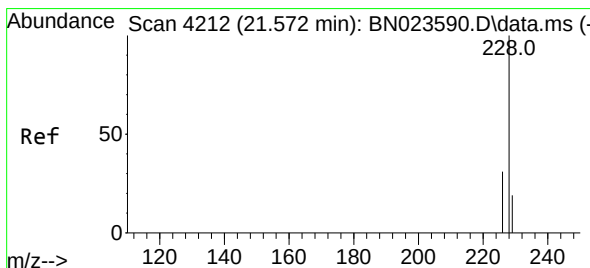
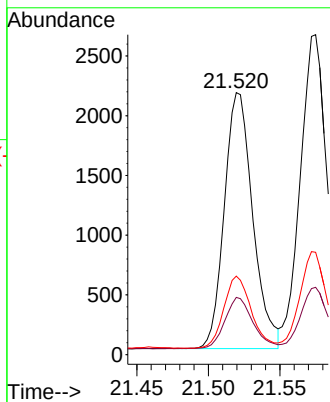
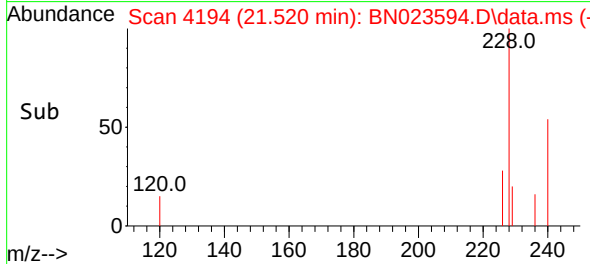
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



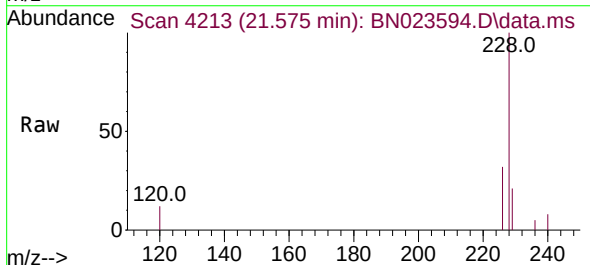
Tgt Ion:228 Resp: 2962
Ion Ratio Lower Upper
228 100
229 21.8 15.5 23.3
226 29.9 22.4 33.6

Manual Integrations
APPROVED

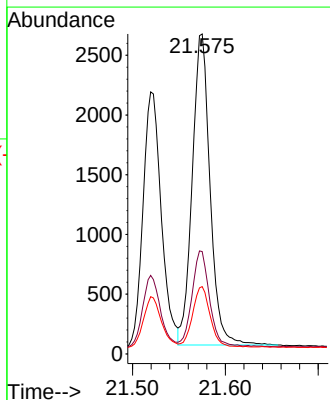
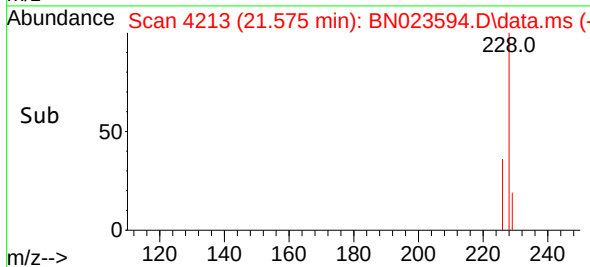
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023

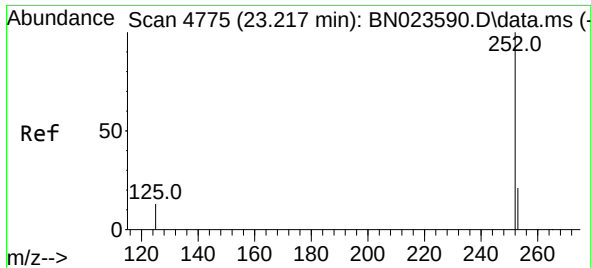


#22
Chrysene
Concen: 0.063 ng/ul
RT: 21.575 min Scan# 4213
Delta R.T. -0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56



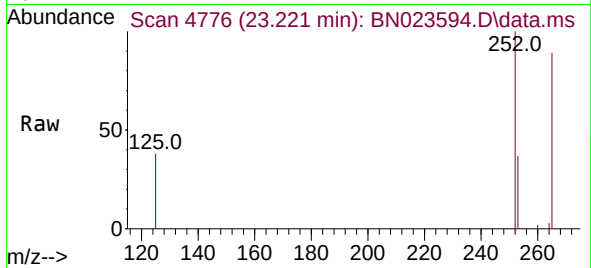
Tgt Ion:228 Resp: 3481
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 21.0 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.064 ng/ul m
RT: 23.221 min Scan# 4775
Delta R.T. -0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

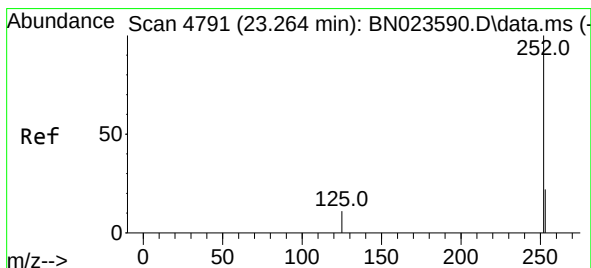
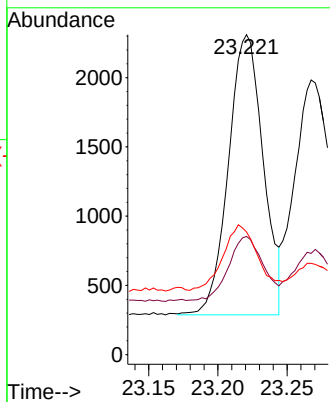
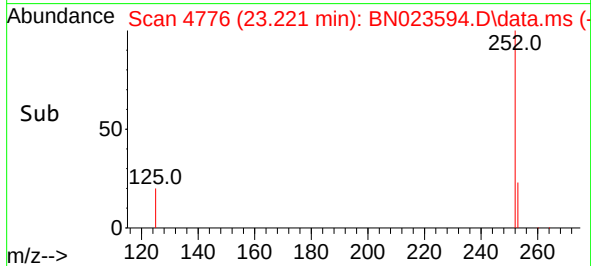
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:252 Resp: 3547
Ion Ratio Lower Upper
252 100
253 37.0 0.0 49.2
125 38.3 0.0 34.2

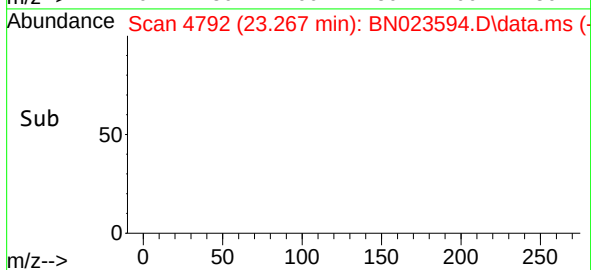
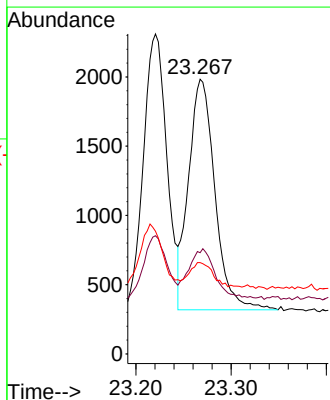
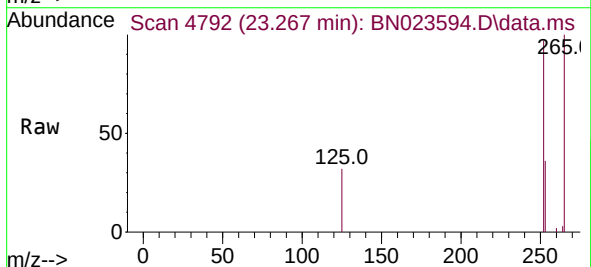
Manual Integrations
APPROVED

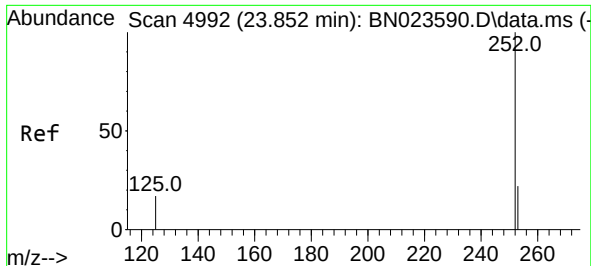
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#25
Benzo(k)fluoranthene
Concen: 0.061 ng/ul
RT: 23.267 min Scan# 4792
Delta R.T. -0.006 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

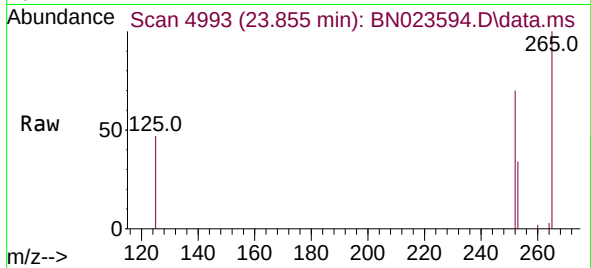
Tgt Ion:252 Resp: 3203
Ion Ratio Lower Upper
252 100
253 36.8 20.2 30.2#
125 33.2 12.1 18.1#





#26
Benzo(a)pyrene
Concen: 0.059 ng/ul
RT: 23.855 min Scan# 4993
Delta R.T. -0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

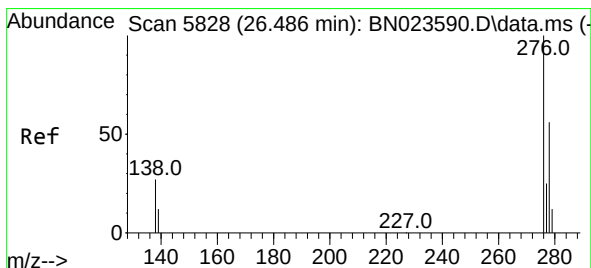
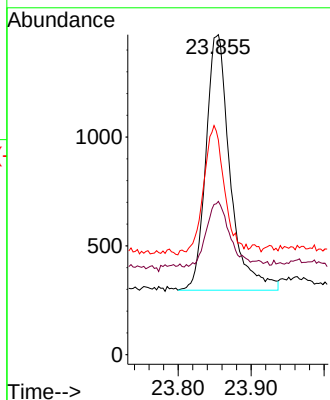
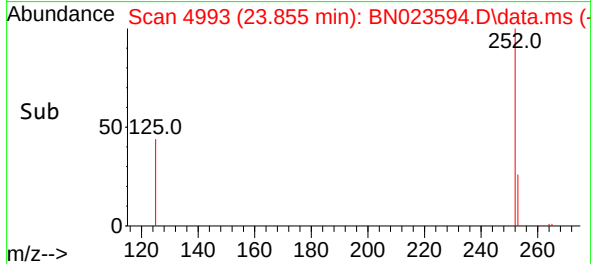
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



Tgt Ion:252 Resp: 2702
Ion Ratio Lower Upper
252 100
253 47.9 21.4 32.0
125 67.1 18.4 27.6

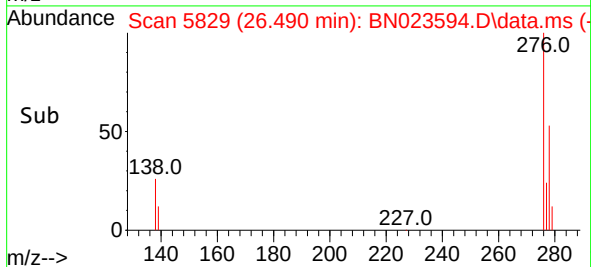
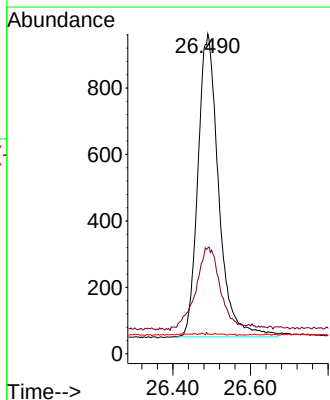
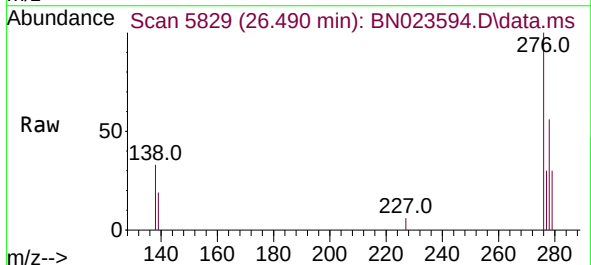
Manual Integrations
APPROVED

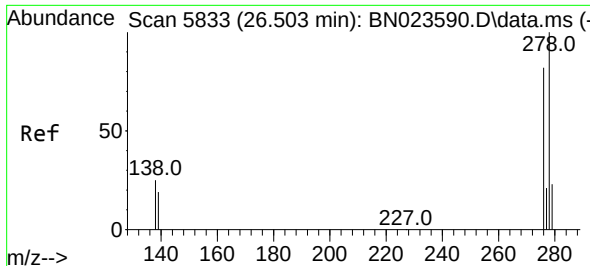
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul
RT: 26.490 min Scan# 5829
Delta R.T. -0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

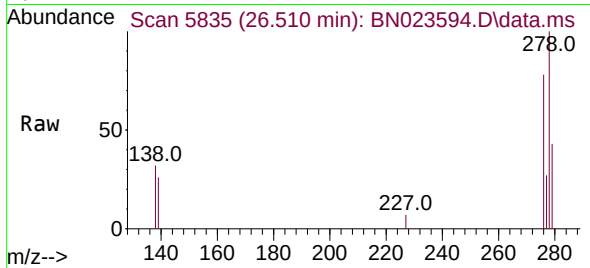
Tgt Ion:276 Resp: 3381
Ion Ratio Lower Upper
276 100
138 32.3 23.2 34.8
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 26.510 min Scan# 5833
Delta R.T. -0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56

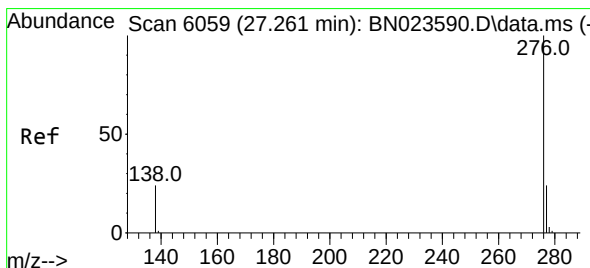
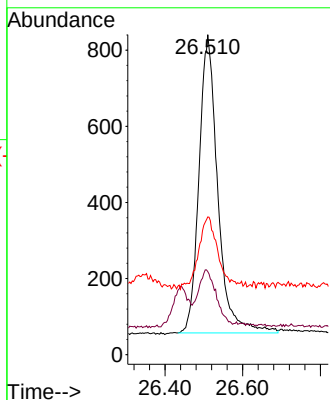
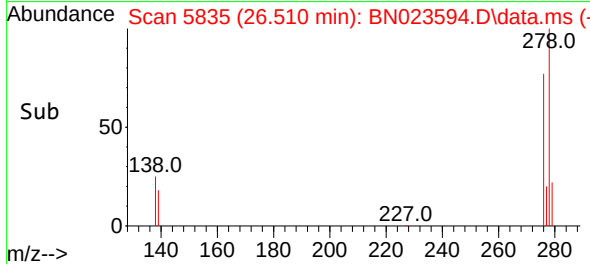
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2022-05



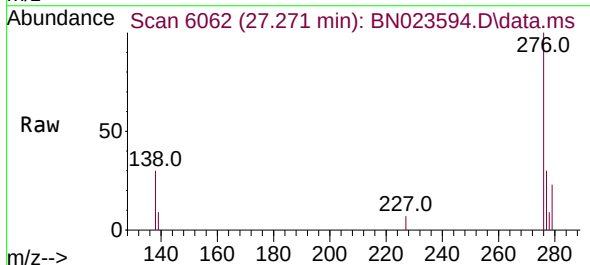
Tgt Ion: 278 Resp: 2623
Ion Ratio Lower Upper
278 100
139 25.9 16.5 24.7
279 43.0 21.0 31.4

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 01/10/2023
Supervised By : mohammad ahmed 01/12/2023



#29
Benzo(g,h,i)perylene
Concen: 0.063 ng/ul
RT: 27.271 min Scan# 6062
Delta R.T. 0.003 min
Lab File: BN023594.D
Acq: 09 Jan 2023 13:56



Tgt Ion: 276 Resp: 2862
Ion Ratio Lower Upper
276 100
138 30.1 20.7 31.1
277 29.7 19.6 29.4

