

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN123022\
 Data File : BN023530.D
 Acq On : 30 Dec 2022 13:34
 Operator : CG/JU
 Sample : N5388-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2022-07

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
 Supervised By :Yogesh Patel 01/03/2023

Quant Time: Dec 30 21:55:48 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 21:52:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	5187	0.400	ng/ul	0.00
4) Naphthalene-d8	10.793	136	14777	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.627	164	7530	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.373	188	14857	0.400	ng/ul	0.00
17) Chrysene-d12	21.560	240	8041	0.400	ng/ul	0.00
23) Perylene-d12	23.995	264	5944	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	3117	0.553	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.383	152	7323	0.320	ng/ul	0.00
18) Fluoranthene-d10	19.402	212	13203	0.454	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.370	88	552m	0.096	ng/ul	
5) Naphthalene	10.843	128	2648	0.061	ng/ul#	93
7) 2-Methylnaphthalene	12.454	142	1587	0.057	ng/ul	99
8) 1-Methylnaphthalene	12.674	142	1590	0.056	ng/ul	100
10) Acenaphthylene	14.345	152	1951	0.058	ng/ul#	94
11) Acenaphthene	14.687	153	1798	0.064	ng/ul	97
12) Fluorene	15.672	166	1872	0.059	ng/ul	99
14) Pentachlorophenol	17.023	266	249	0.060	ng/ul	98
15) Phenanthrene	17.411	178	2955	0.061	ng/ul#	93
16) Anthracene	17.504	178	2168	0.054	ng/ul#	91
19) Fluoranthene	19.430	202	3089	0.079	ng/ul#	95
20) Pyrene	19.792	202	2995	0.076	ng/ul	95
21) Benzo(a)anthracene	21.543	228	1833	0.059	ng/ul	94
22) Chrysene	21.595	228	2036	0.064	ng/ul	95
24) Benzo(b)fluoranthene	23.250	252	1967	0.064	ng/ul#	32
25) Benzo(k)fluoranthene	23.297	252	1572	0.054	ng/ul#	39
26) Benzo(a)pyrene	23.887	252	1441	0.059	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.540	276	1709	0.060	ng/ul#	45
28) Dibenzo(a,h)anthracene	26.564	278	1225	0.056	ng/ul#	46
29) Benzo(g,h,i)perylene	27.325	276	1562	0.067	ng/ul#	77

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

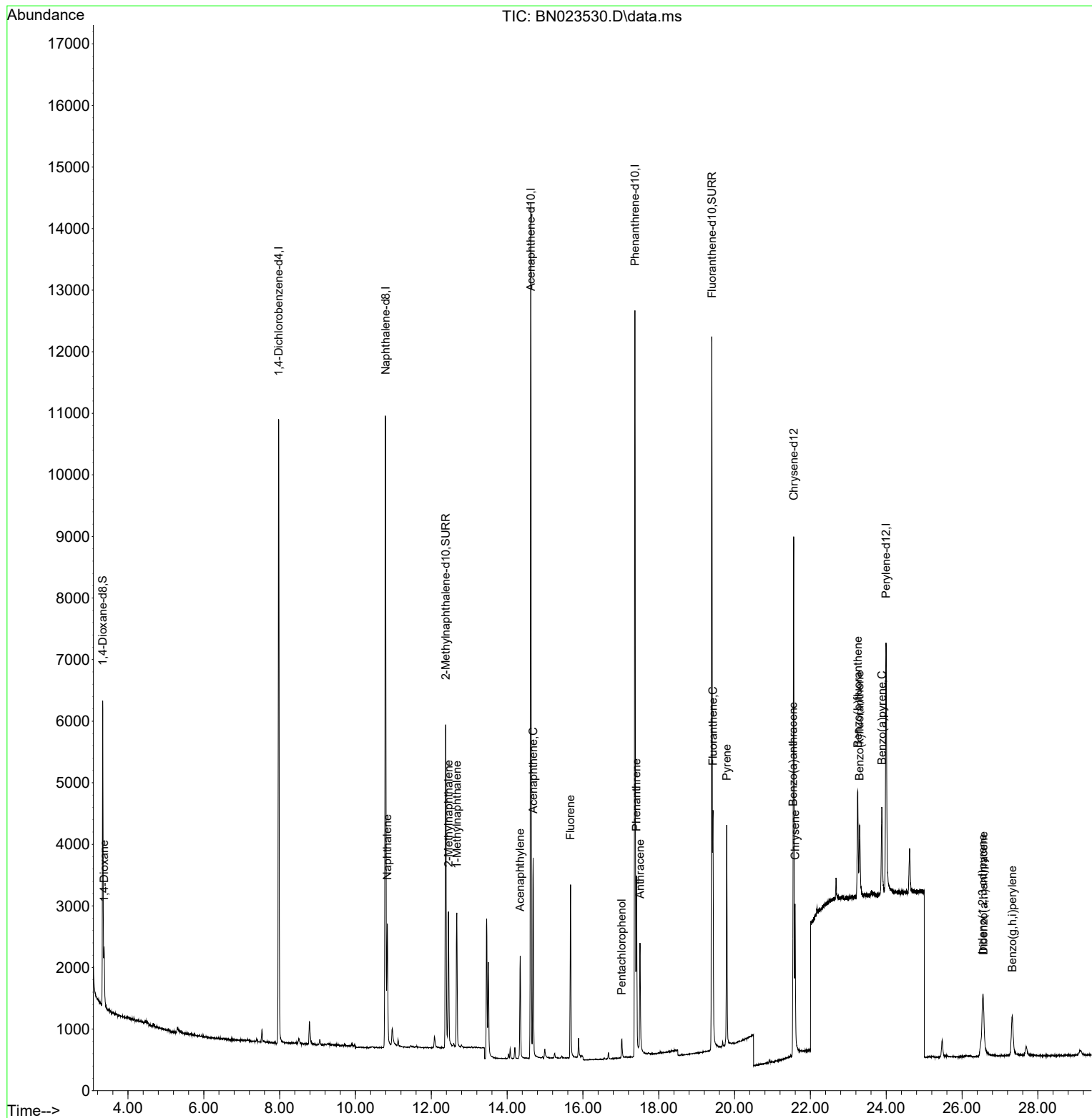
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN123022\
 Data File : BN023530.D
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 ALS Vial : 5 Sample Multiplier: 1

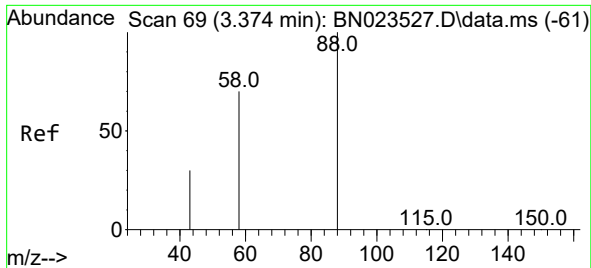
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2022-07

Quant Time: Dec 30 21:55:48 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 21:52:41 2022
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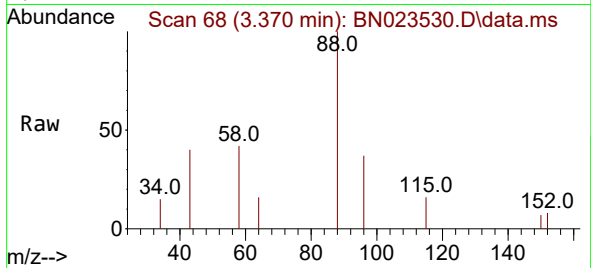
Reviewed By :Jagrut Upadhyay 01/03/2023
 Supervised By :Yogesh Patel 01/03/2023





#2
1,4-Dioxane
Concen: 0.096 ng/ul m
RT: 3.370 min Scan# 69
Delta R.T. -0.004 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

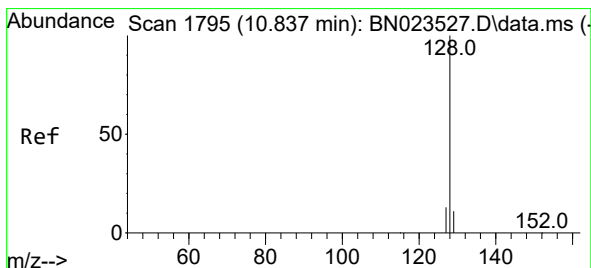
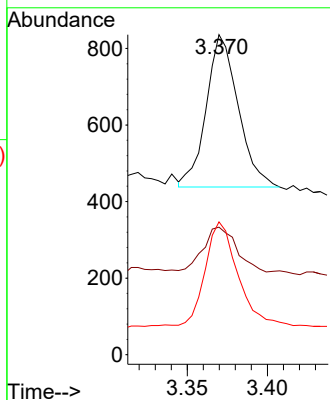
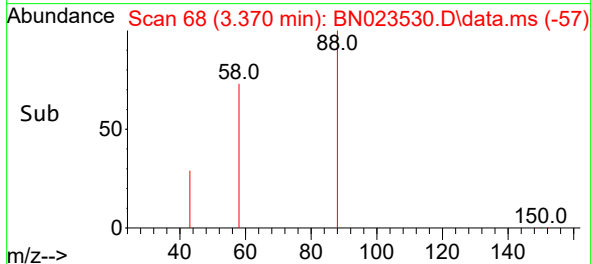
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion: 88 Resp: 552
Ion Ratio Lower Upper
88 100
43 39.8 28.4 42.6
58 41.5 45.6 68.4

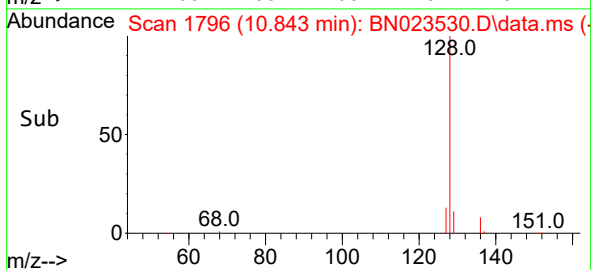
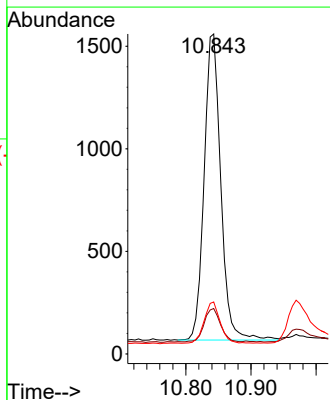
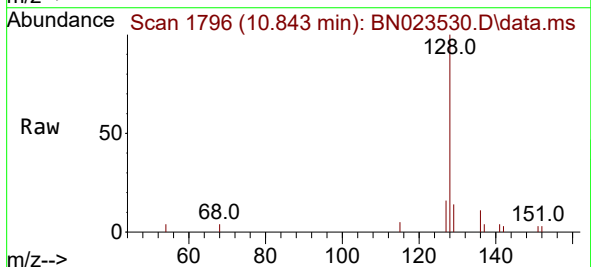
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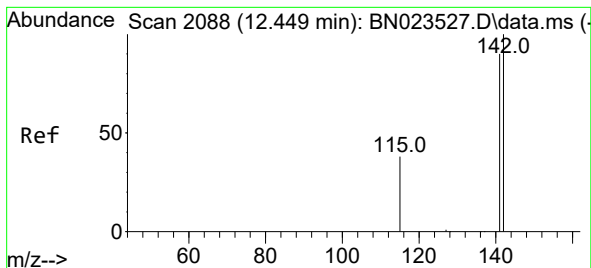
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#5
Naphthalene
Concen: 0.061 ng/ul
RT: 10.843 min Scan# 1796
Delta R.T. 0.006 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

Tgt Ion:128 Resp: 2648
Ion Ratio Lower Upper
128 100
129 14.2 9.0 13.4#
127 16.2 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.057 ng/ul

RT: 12.454 min Scan# 2088

Delta R.T. 0.006 min

Lab File: BN023530.D

Acq: 30 Dec 2022 13:34

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT4-2022-07

Tgt Ion:142 Resp: 158

Ion Ratio Lower Upper

142 100

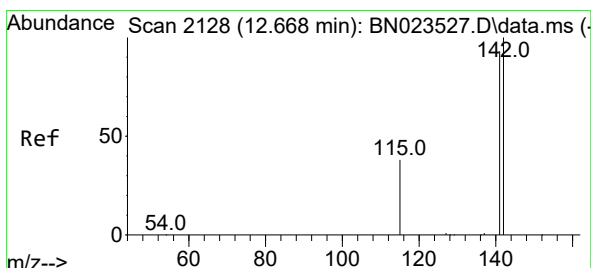
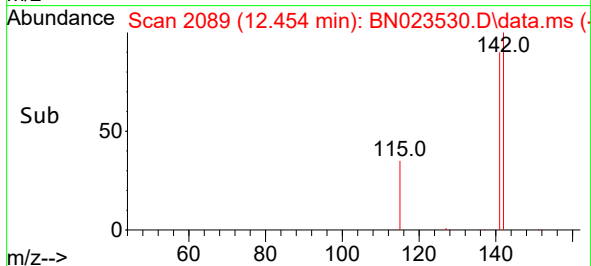
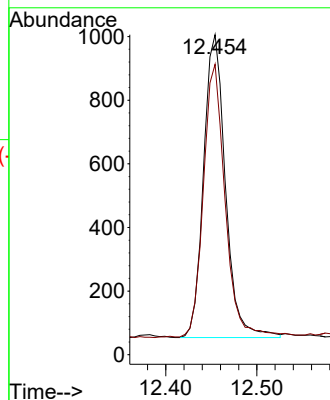
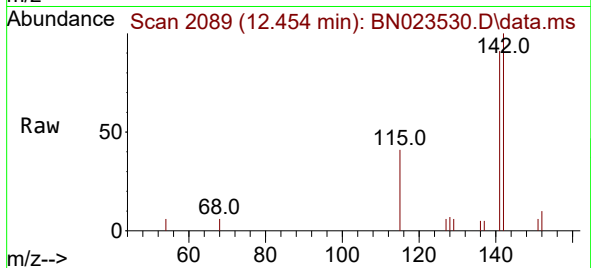
141 90.2 71.4 107.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/03/2023

Supervised By :Yogesh Patel 01/03/2023



#8

1-Methylnaphthalene

Concen: 0.056 ng/ul

RT: 12.674 min Scan# 2129

Delta R.T. 0.006 min

Lab File: BN023530.D

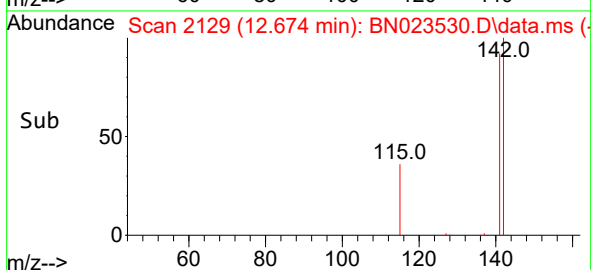
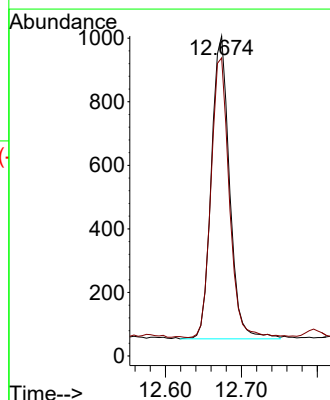
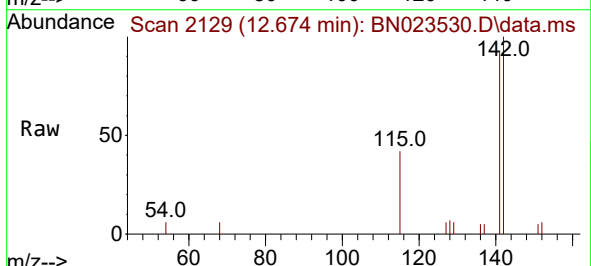
Acq: 30 Dec 2022 13:34

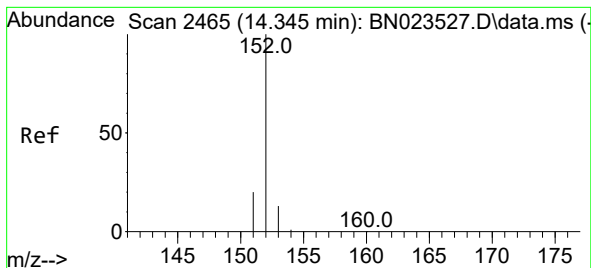
Tgt Ion:142 Resp: 1590

Ion Ratio Lower Upper

142 100

141 92.6 74.0 111.0





#10

Acenaphthylene

Concen: 0.058 ng/ul

RT: 14.345 min Scan# 2465

Delta R.T. 0.000 min

Lab File: BN023530.D

Acq: 30 Dec 2022 13:34

Instrument :

BNA_N

ClientSampleId :

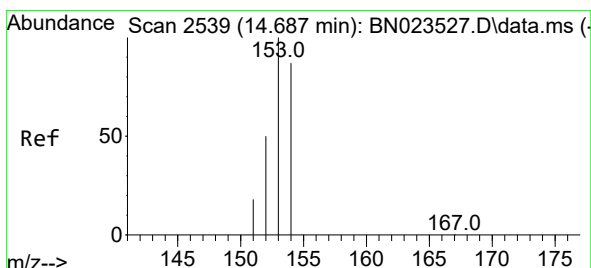
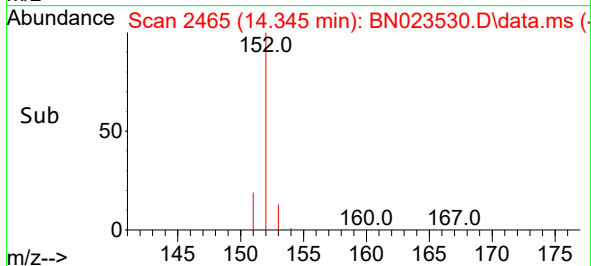
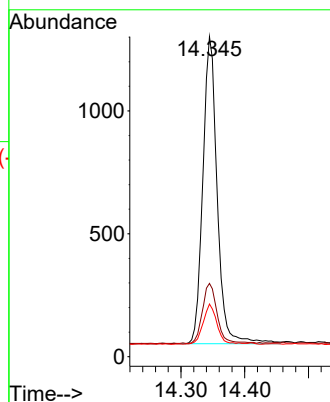
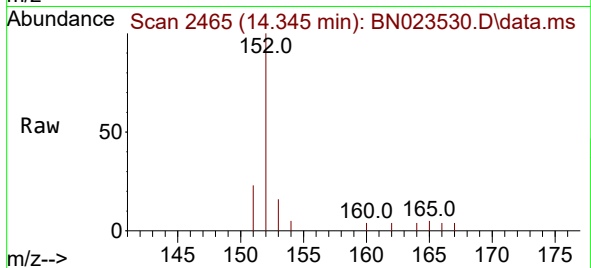
MDL-SOIL-QT4-2022-07

Tgt Ion:	152	Resp:	195
Ion Ratio	Lower	Upper	
152	100		
151	22.9	16.1	24.1
153	16.4	10.9	16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#11

Acenaphthene

Concen: 0.064 ng/ul

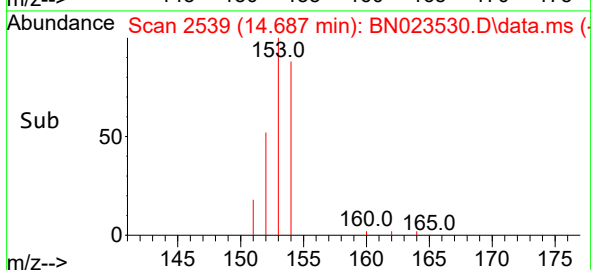
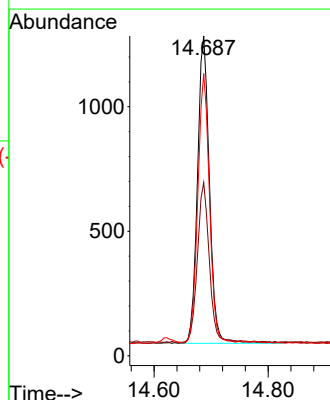
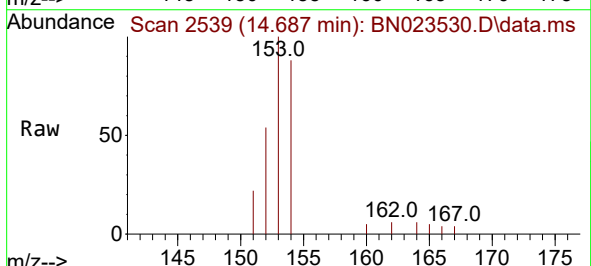
RT: 14.687 min Scan# 2539

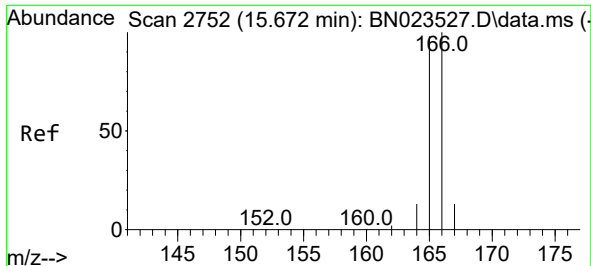
Delta R.T. 0.000 min

Lab File: BN023530.D

Acq: 30 Dec 2022 13:34

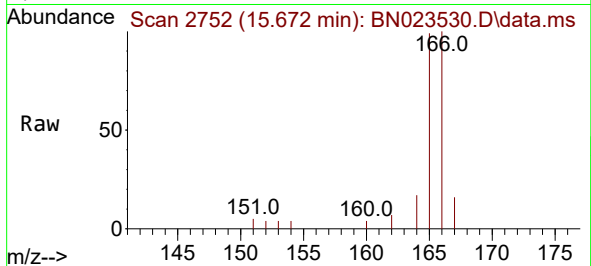
Tgt Ion:	153	Resp:	1798
Ion Ratio	Lower	Upper	
153	100		
152	54.2	41.0	61.4
154	88.2	69.5	104.3





#12
Fluorene
Concen: 0.059 ng/ul
RT: 15.672 min Scan# 2752
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

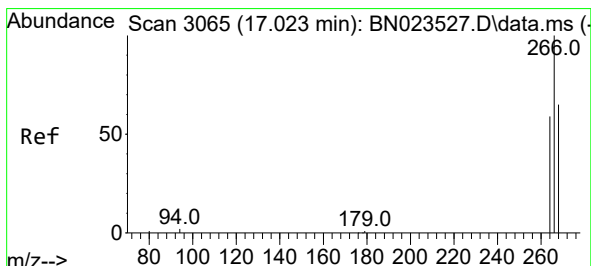
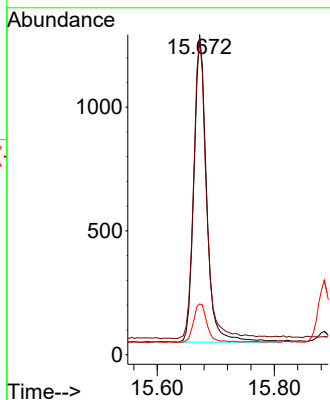
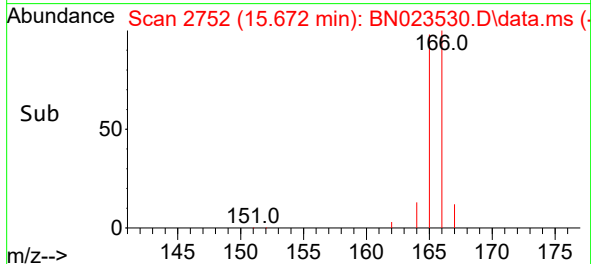
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion:166 Resp: 1872
Ion Ratio Lower Upper
166 100
165 99.0 79.1 118.7
167 15.9 11.0 16.4

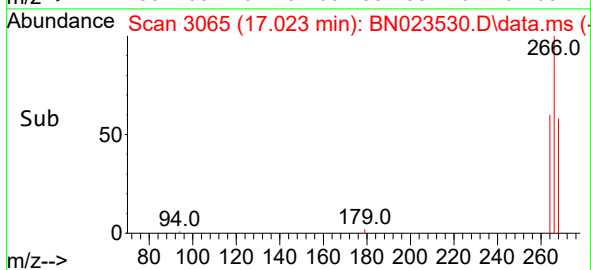
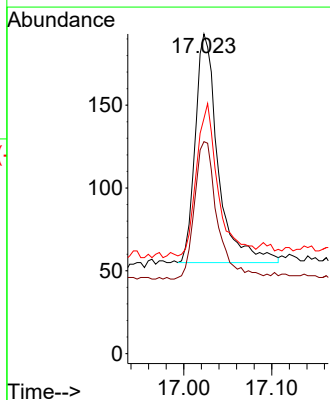
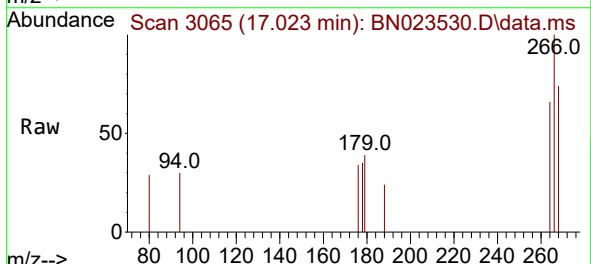
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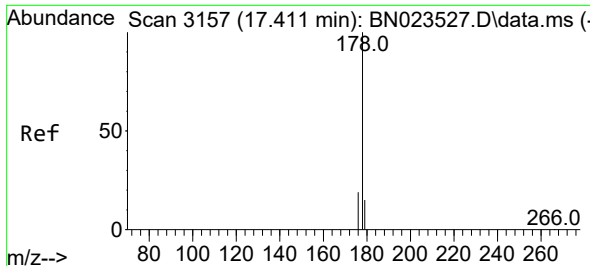
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#14
Pentachlorophenol
Concen: 0.060 ng/ul
RT: 17.023 min Scan# 3065
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

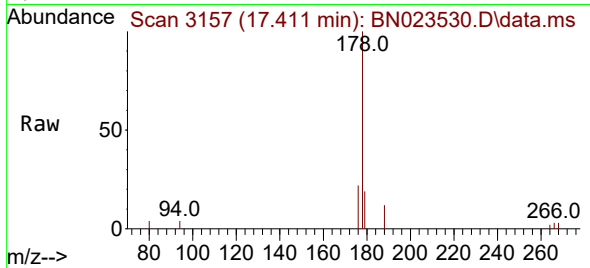
Tgt Ion:266 Resp: 249
Ion Ratio Lower Upper
266 100
264 60.6 49.8 74.6
268 62.7 51.4 77.0





#15
Phenanthrene
Concen: 0.061 ng/uI
RT: 17.411 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

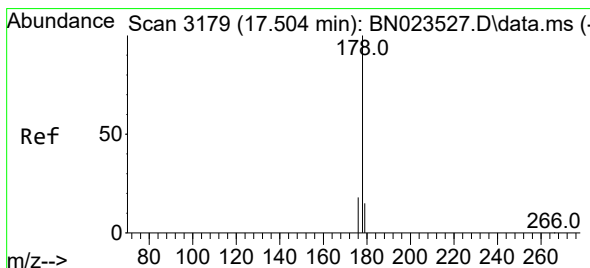
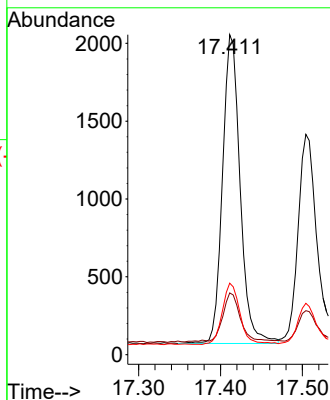
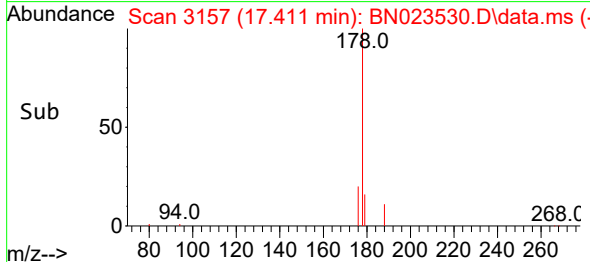
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion:178 Resp: 2958
Ion Ratio Lower Upper
178 100
179 19.3 12.5 18.7#
176 22.3 15.7 23.5#

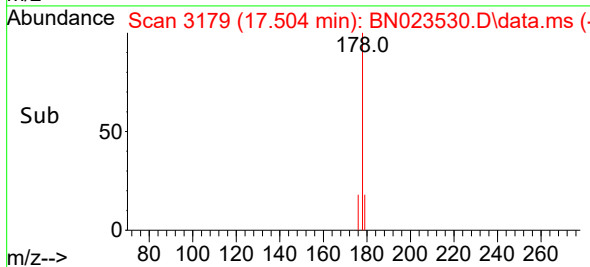
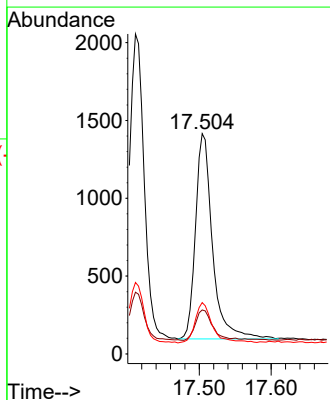
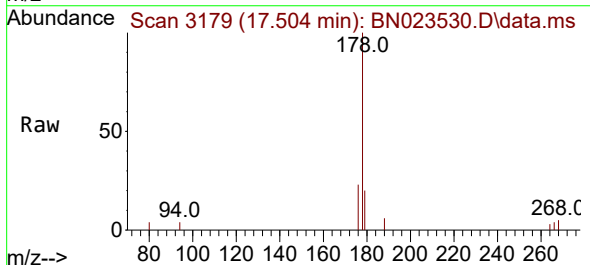
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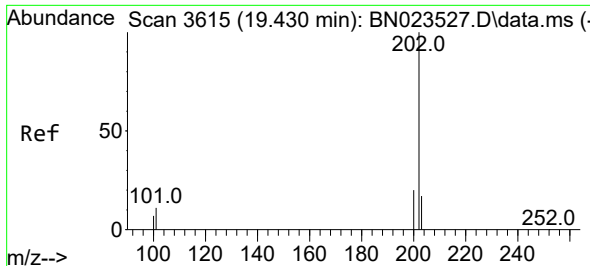
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#16
Anthracene
Concen: 0.054 ng/uI
RT: 17.504 min Scan# 3179
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

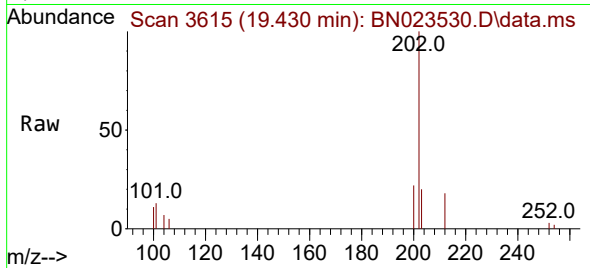
Tgt Ion:178 Resp: 2168
Ion Ratio Lower Upper
178 100
179 19.9 12.6 18.8#
176 23.3 15.4 23.0#





#19
Fluoranthene
Concen: 0.079 ng/u1
RT: 19.430 min Scan# 3615
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

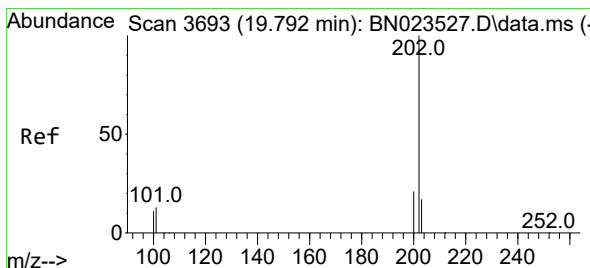
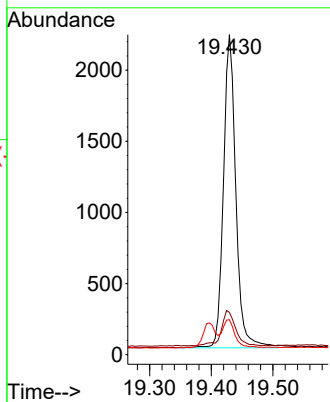
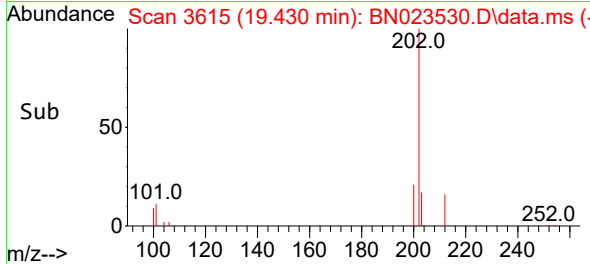
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion:202 Resp: 3089
Ion Ratio Lower Upper
202 100
101 13.2 9.4 14.2
100 11.0 7.0 10.6

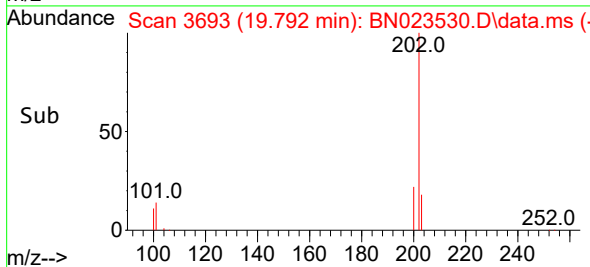
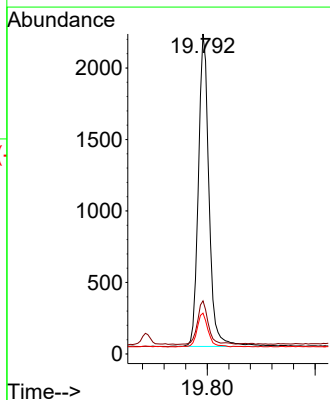
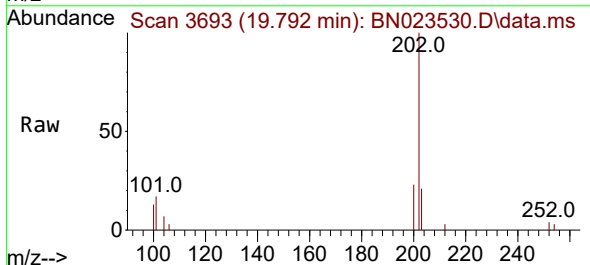
Manual Integrations
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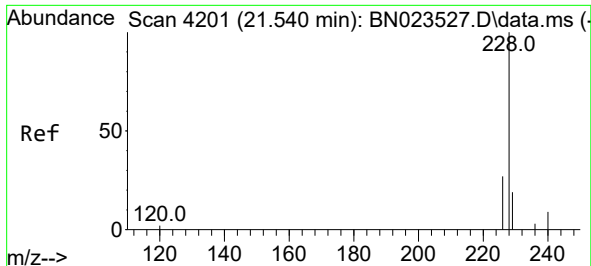
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#20
Pyrene
Concen: 0.076 ng/u1
RT: 19.792 min Scan# 3693
Delta R.T. 0.000 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

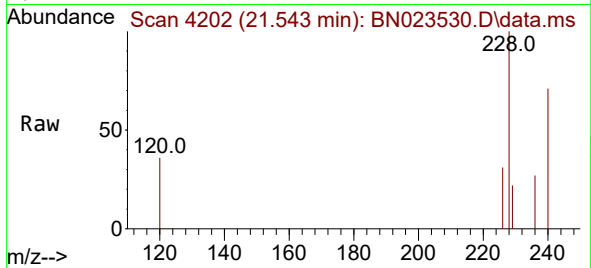
Tgt Ion:202 Resp: 2995
Ion Ratio Lower Upper
202 100
101 16.6 11.3 16.9
100 12.8 9.0 13.4





#21
Benzo(a)anthracene
Concen: 0.059 ng/ul
RT: 21.543 min Scan# 41
Delta R.T. 0.003 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

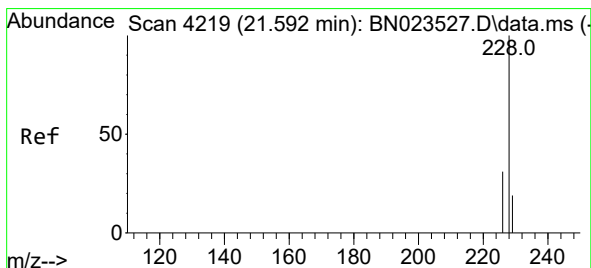
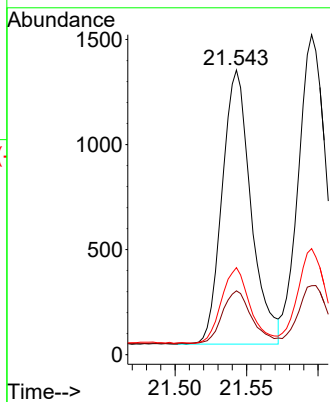
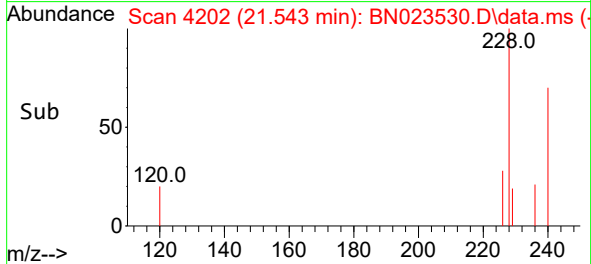
Instrument :
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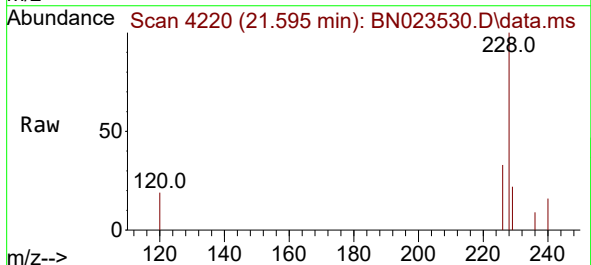
Tgt Ion:228 Resp: 183
Ion Ratio Lower Upper
228 100
229 22.4 15.6 23.4
226 30.6 22.2 33.2

Manual Integrations
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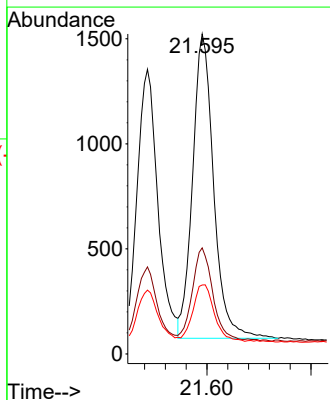
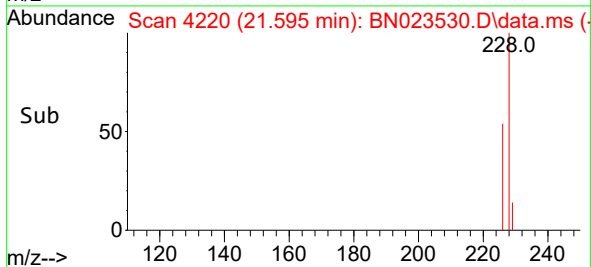
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

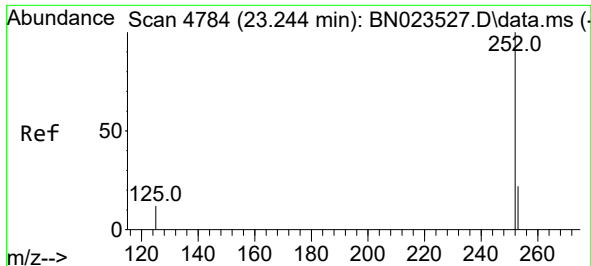


#22
Chrysene
Concen: 0.064 ng/ul
RT: 21.595 min Scan# 4220
Delta R.T. 0.003 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34



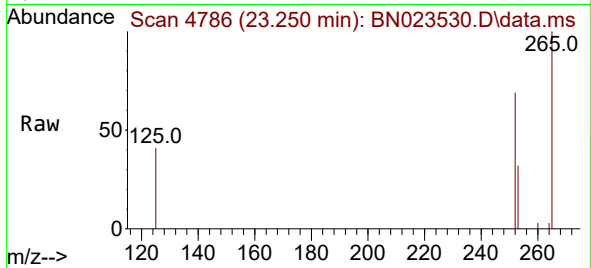
Tgt Ion:228 Resp: 2036
Ion Ratio Lower Upper
228 100
226 33.2 24.3 36.5
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.064 ng/ul
RT: 23.250 min Scan# 4784
Delta R.T. 0.006 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

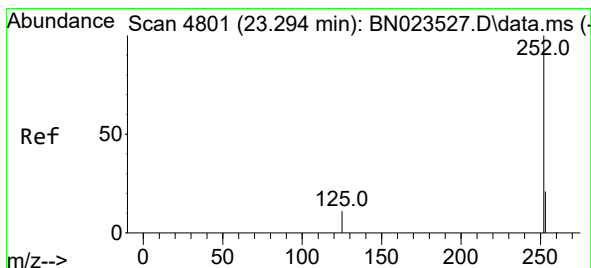
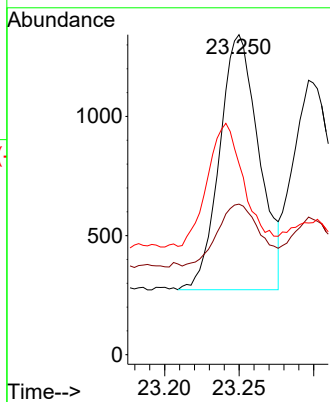
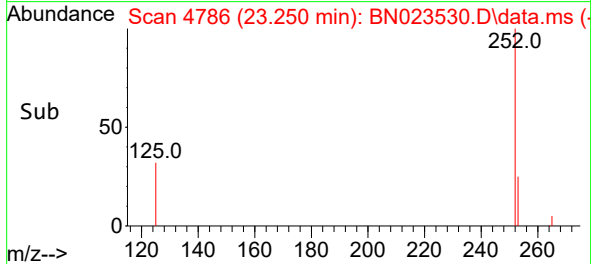
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion:252 Resp: 196
Ion Ratio Lower Upper
252 100
253 47.1 0.0 49.2
125 59.7 0.0 31.8

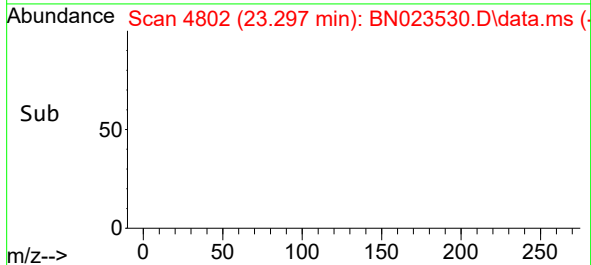
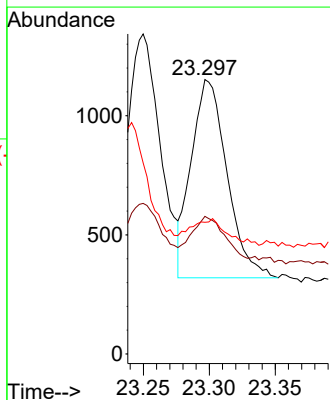
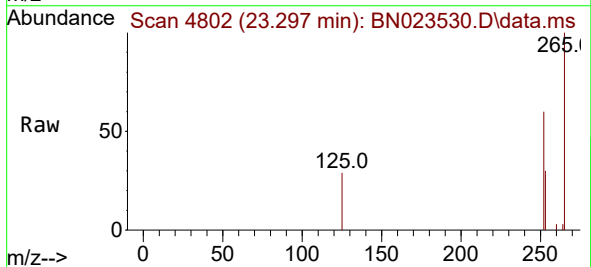
Manual Integrations
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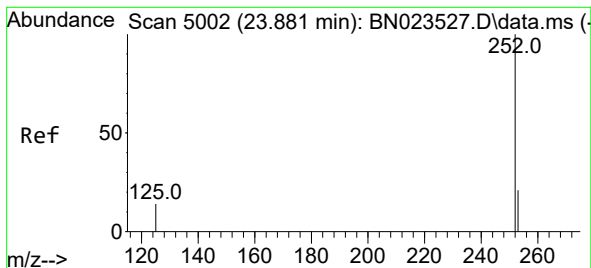
Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#25
Benzo(k)fluoranthene
Concen: 0.054 ng/ul
RT: 23.297 min Scan# 4802
Delta R.T. 0.003 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

Tgt Ion:252 Resp: 1572
Ion Ratio Lower Upper
252 100
253 50.2 19.8 29.6#
125 48.0 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 0.059 ng/ul

RT: 23.887 min Scan# 5002

Delta R.T. 0.006 min

Lab File: BN023530.D

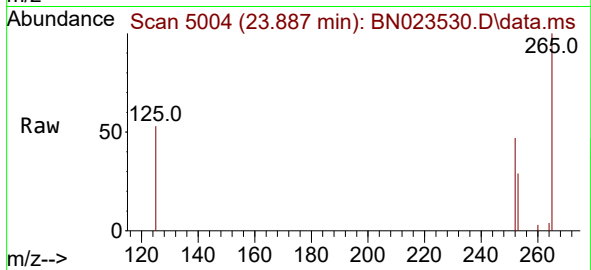
Acq: 30 Dec 2022 13:34

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT4-2022-07



Tgt Ion:252 Resp: 144

Ion Ratio Lower Upper

252 100

253 62.3 21.4 32.2

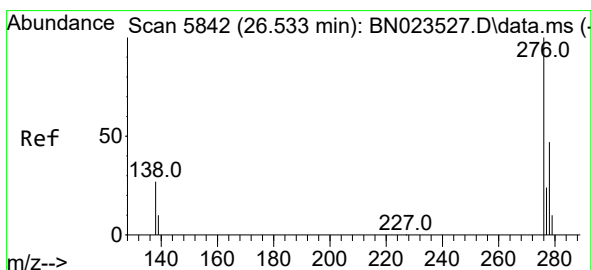
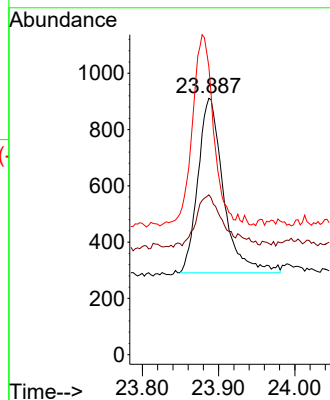
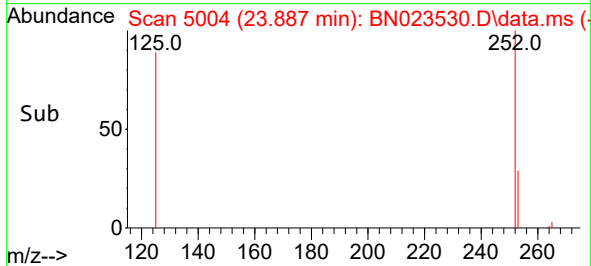
125 112.4 16.2 24.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/03/2023

Supervised By :Yogesh Patel 01/03/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng/ul

RT: 26.540 min Scan# 5844

Delta R.T. 0.007 min

Lab File: BN023530.D

Acq: 30 Dec 2022 13:34

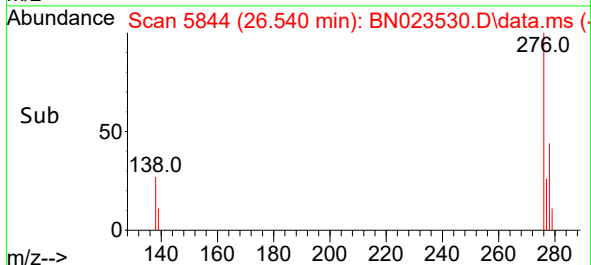
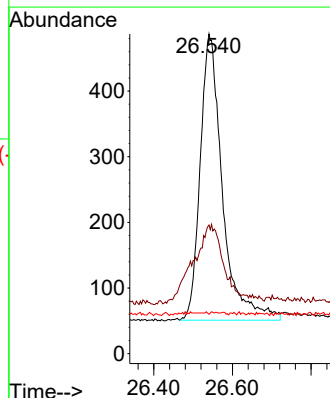
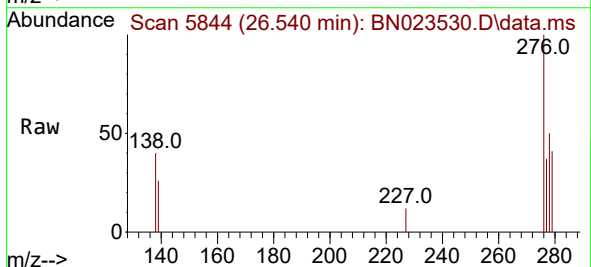
Tgt Ion:276 Resp: 1709

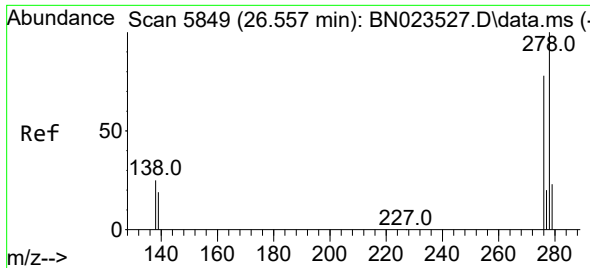
Ion Ratio Lower Upper

276 100

138 0.0 23.4 35.2#

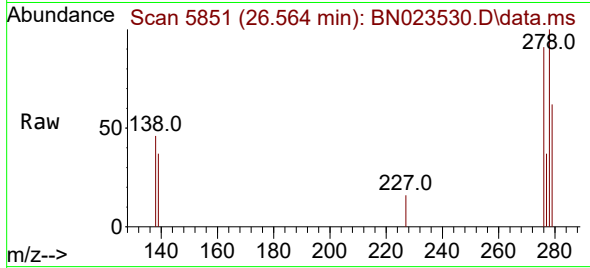
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.056 ng/ul
RT: 26.564 min Scan# 5851
Delta R.T. 0.007 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

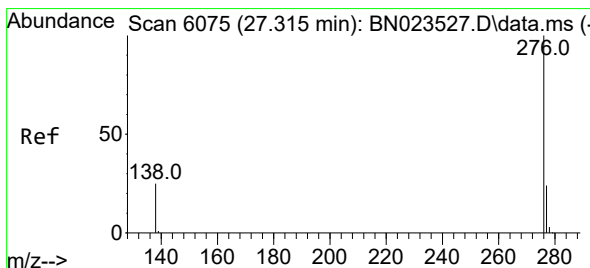
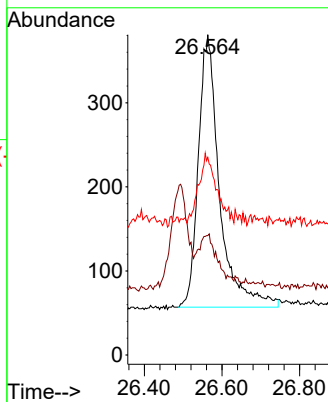
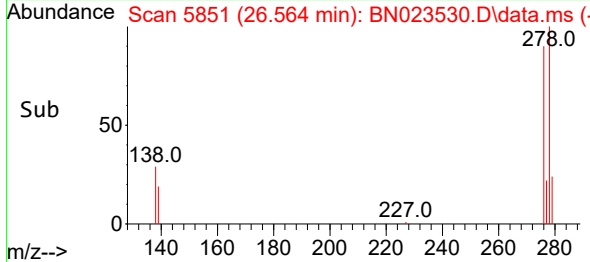
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-07



Tgt Ion:278 Resp: 1225
Ion Ratio Lower Upper
278 100
139 37.3 16.6 24.8#
279 61.7 21.3 31.9#

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023



#29
Benzo(g,h,i)perylene
Concen: 0.067 ng/ul
RT: 27.325 min Scan# 6078
Delta R.T. 0.010 min
Lab File: BN023530.D
Acq: 30 Dec 2022 13:34

Tgt Ion:276 Resp: 1562
Ion Ratio Lower Upper
276 100
138 37.6 20.3 30.5#
277 35.9 19.7 29.5#

