

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051824\
 Data File : BN031559.D
 Acq On : 17 May 2024 12:17
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 17 12:48:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN051624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 12:57:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	13627	0.400	ng/ul	0.00
4) Naphthalene-d8	10.475	136	43376	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.327	164	22721	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.075	188	49574	0.400	ng/ul	0.00
17) Chrysene-d12	21.261	240	33285	0.400	ng/ul	0.00
23) Perylene-d12	23.497	264	31486	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.202	96	6596	0.402	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.070	152	23052	0.375	ng/ul	0.00
18) Fluoranthene-d10	19.106	212	42473	0.460	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.236	88	1479m	0.086	ng/ul	
5) Naphthalene	10.525	128	8164	0.070	ng/ul	97
7) 2-Methylnaphthalene	12.142	142	5088	0.069	ng/ul	99
8) 1-Methylnaphthalene	12.361	142	5065	0.065	ng/ul	98
10) Acenaphthylene	14.049	152	6985	0.068	ng/ul	97
11) Acenaphthene	14.392	153	5458	0.070	ng/ul	98
12) Fluorene	15.382	166	5890	0.068	ng/ul	98
14) Pentachlorophenol	16.716	266	532	0.069	ng/ul	99
15) Phenanthrene	17.117	178	9743	0.067	ng/ul	99
16) Anthracene	17.206	178	7677	0.063	ng/ul	96
19) Fluoranthene	19.134	202	9861	0.080	ng/ul	98
20) Pyrene	19.496	202	9402	0.077	ng/ul	98
21) Benzo(a)anthracene	21.246	228	7081	0.061	ng/ul	98
22) Chrysene	21.299	228	8360	0.067	ng/ul	100
24) Benzo(b)fluoranthene	22.821	252	7309	0.063	ng/ul#	75
25) Benzo(k)fluoranthene	22.865	252	8612	0.069	ng/ul#	71
26) Benzo(a)pyrene	23.397	252	6058	0.060	ng/ul#	50
27) Indeno(1,2,3-cd)pyrene	25.750	276	7568	0.064	ng/ul#	44
28) Dibenzo(a,h)anthracene	25.767	278	5699	0.061	ng/ul#	79
29) Benzo(g,h,i)perylene	26.438	276	5443	0.057	ng/ul	92

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

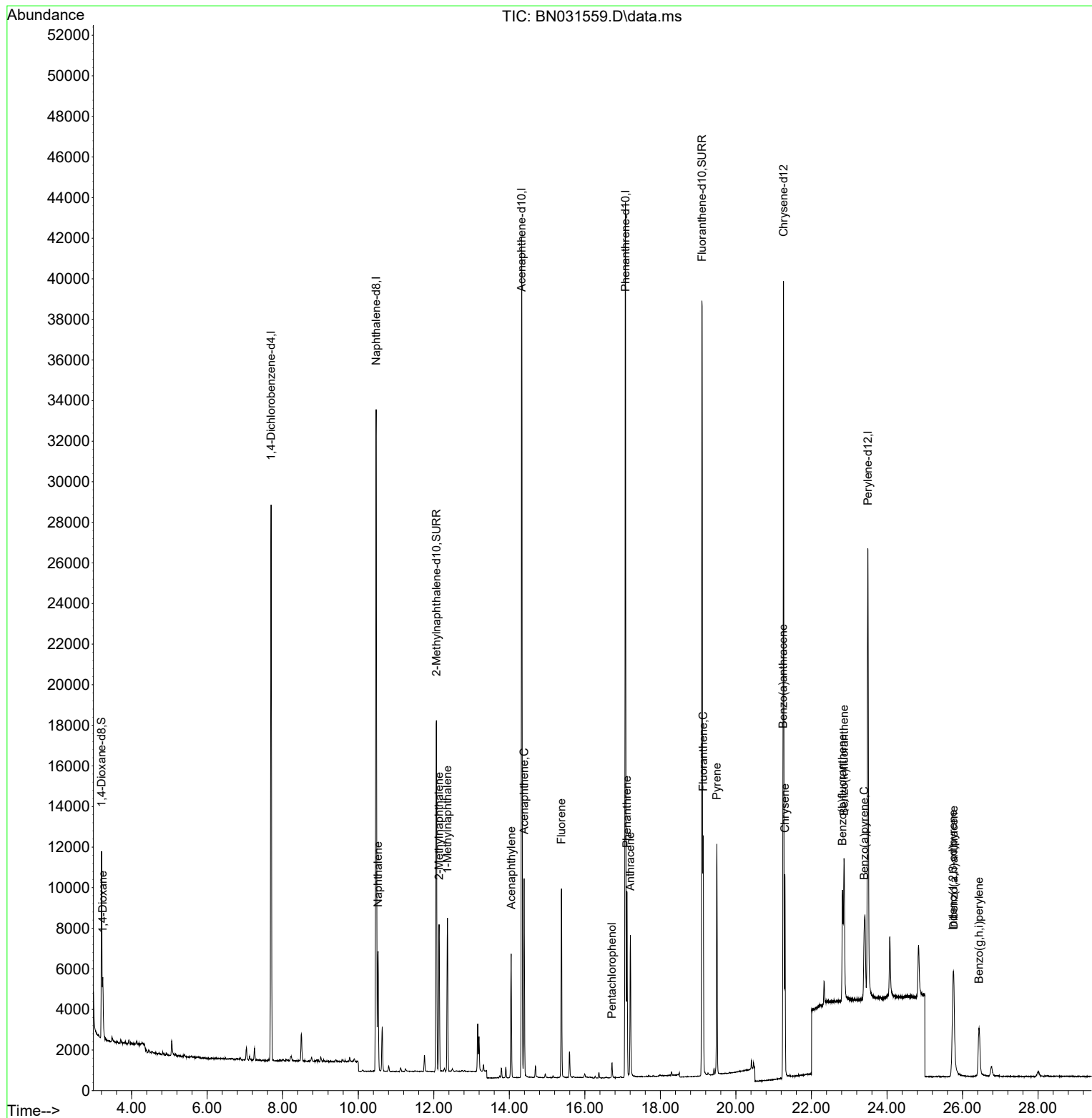
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051824\
Data File : BN031559.D
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ALS Vial : 5 Sample Multiplier: 1

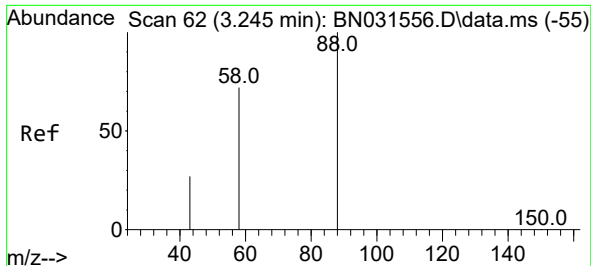
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04

Quant Time: May 17 12:48:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN051624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

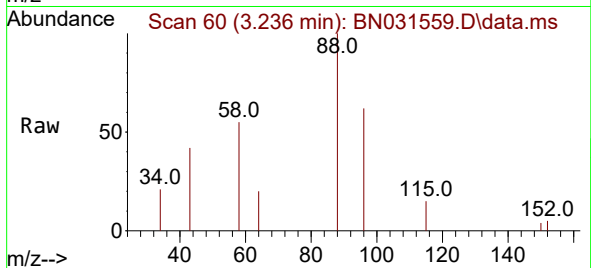
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024





#2
1,4-Dioxane
Concen: 0.086 ng/ul m
RT: 3.236 min Scan# 60
Delta R.T. -0.004 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

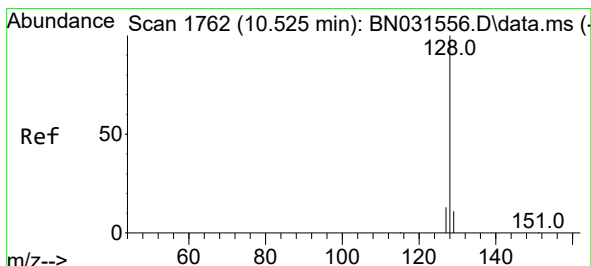
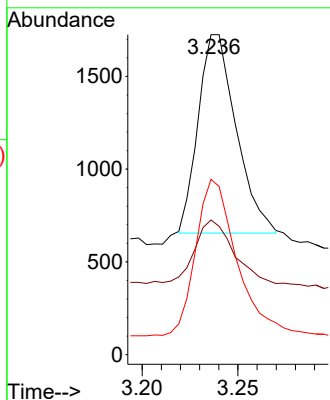
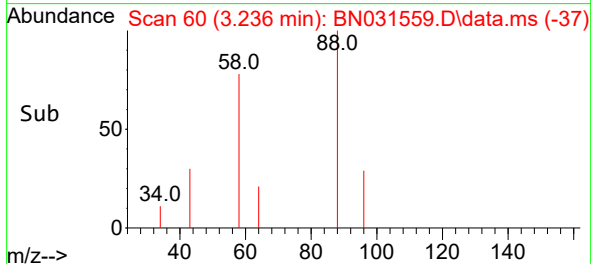
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion: 88 Resp: 1479
Ion Ratio Lower Upper
88 100
43 42.1 23.3 34.9
58 54.8 53.0 79.4

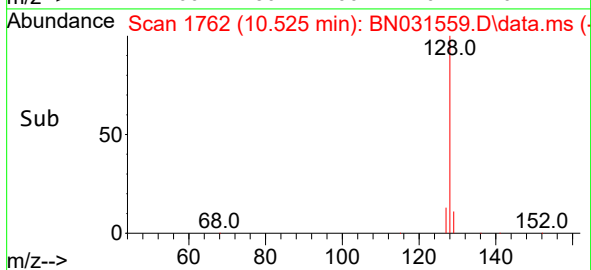
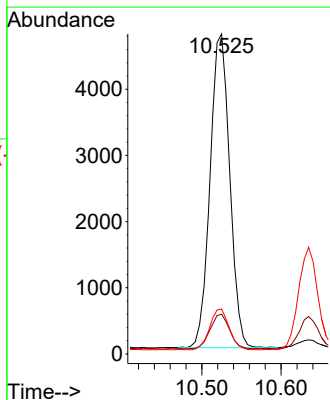
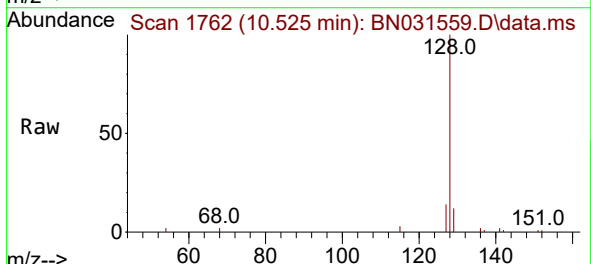
Manual Integrations
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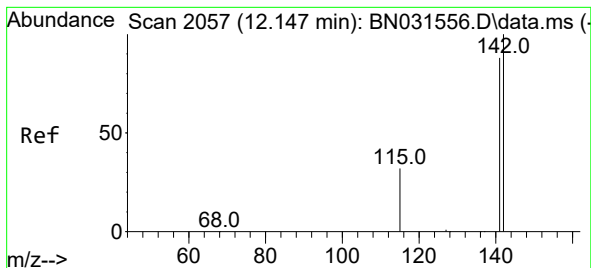
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.525 min Scan# 1762
Delta R.T. -0.005 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

Tgt Ion:128 Resp: 8164
Ion Ratio Lower Upper
128 100
129 12.4 8.7 13.1
127 14.1 10.4 15.6





#7

2-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 12.142 min Scan# 2056

Delta R.T. -0.005 min

Lab File: BN031559.D

Acq: 17 May 2024 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2024-04

Tgt Ion:142 Resp: 5088

Ion Ratio Lower Upper

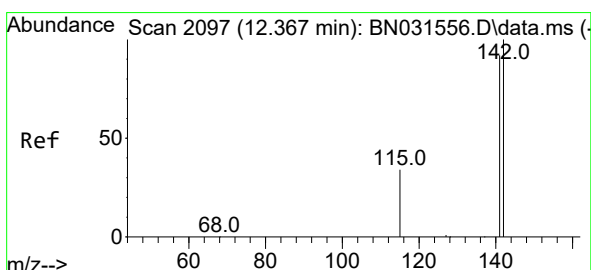
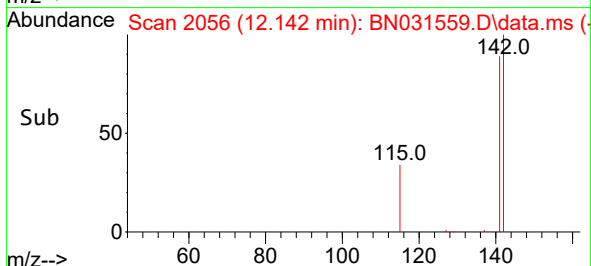
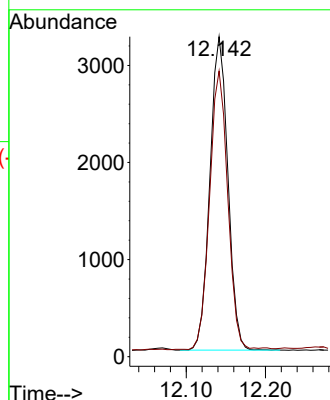
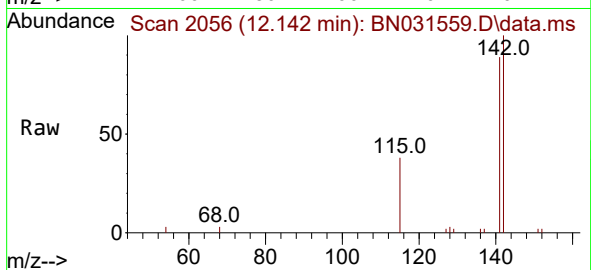
142 100

141 90.0 71.0 106.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#8

1-Methylnaphthalene

Concen: 0.065 ng/ul

RT: 12.361 min Scan# 2096

Delta R.T. -0.011 min

Lab File: BN031559.D

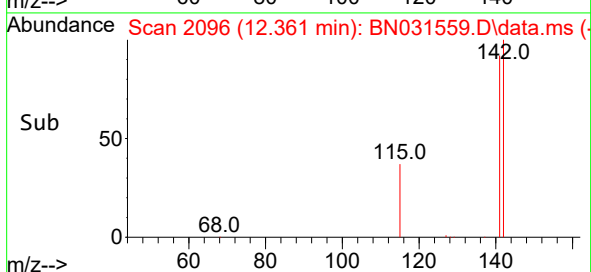
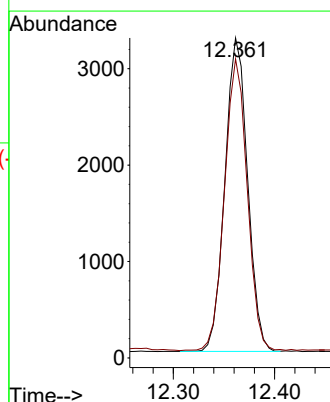
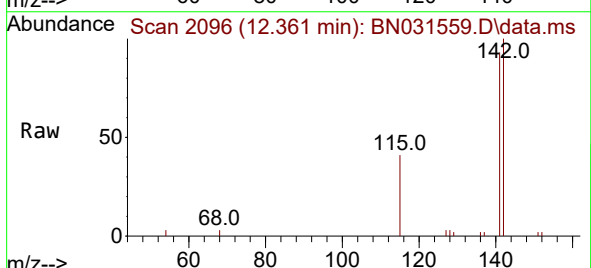
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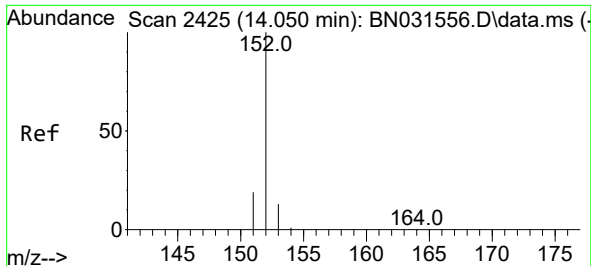
Tgt Ion:142 Resp: 5065

Ion Ratio Lower Upper

142 100

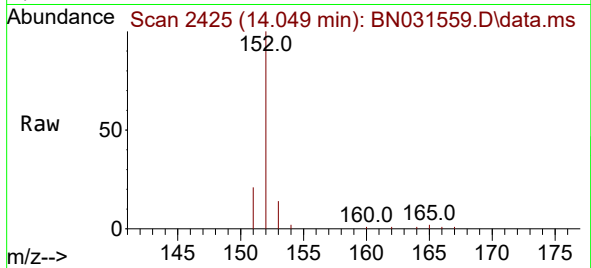
141 93.4 73.4 110.2





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.049 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

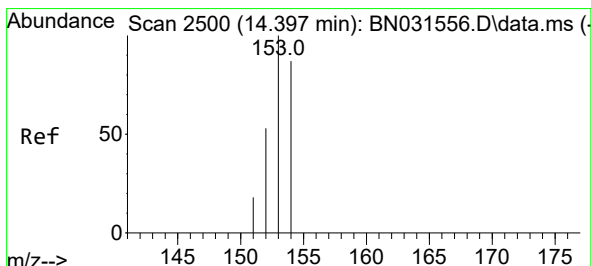
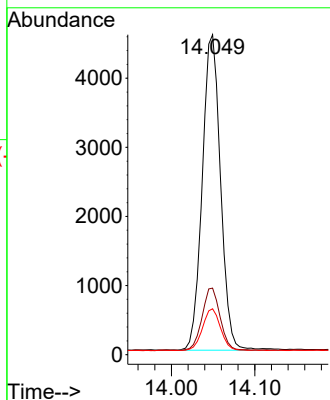
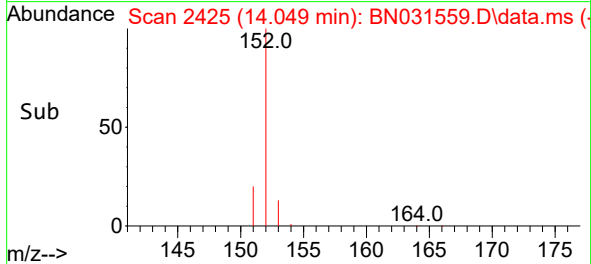
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:152 Resp: 6985
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.8
153 14.4 10.5 15.7

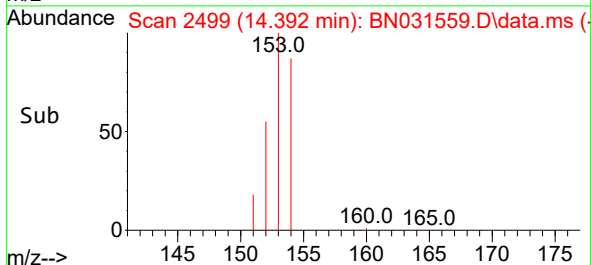
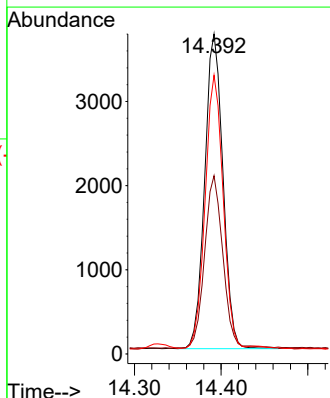
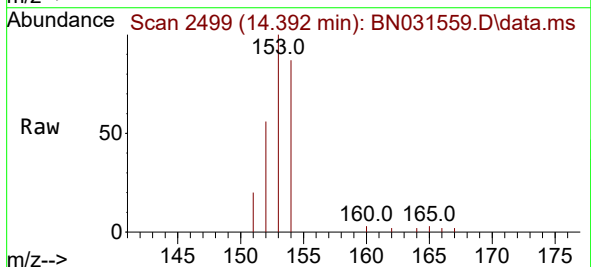
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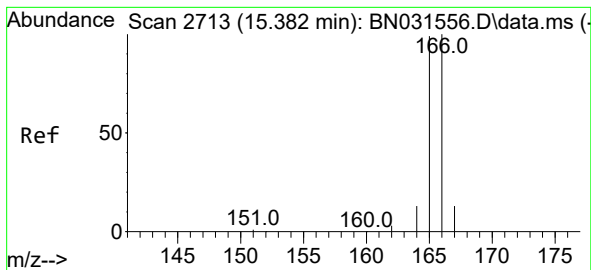
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.392 min Scan# 2499
Delta R.T. -0.005 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

Tgt Ion:153 Resp: 5458
Ion Ratio Lower Upper
153 100
152 55.7 42.6 64.0
154 87.1 70.0 105.0





#12

Fluorene

Concen: 0.068 ng/ul

RT: 15.382 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN031559.D

Acq: 17 May 2024 12:17

Instrument :

BNA_N

ClientSampleId :

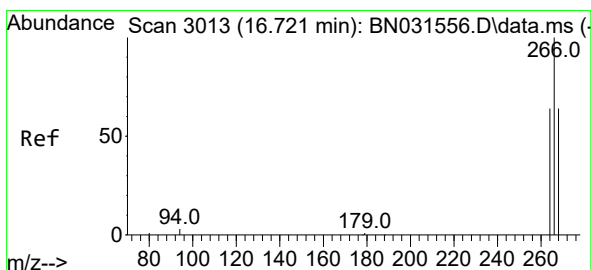
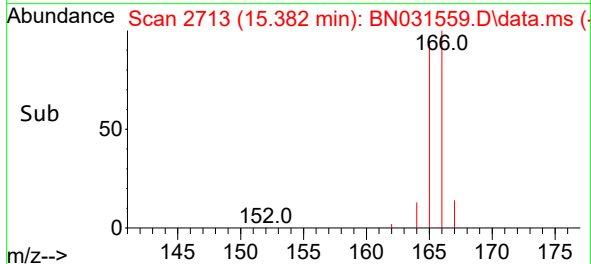
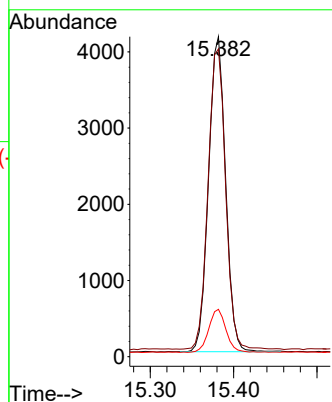
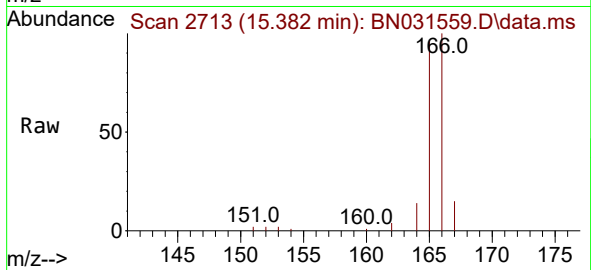
MDL-SOIL-QT2-2024-04

Tgt Ion:166	Resp:	5890
Ion Ratio	Lower	Upper
166	100	
165	96.2	78.6 117.8
167	14.8	10.9 16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#14

Pentachlorophenol

Concen: 0.069 ng/ul

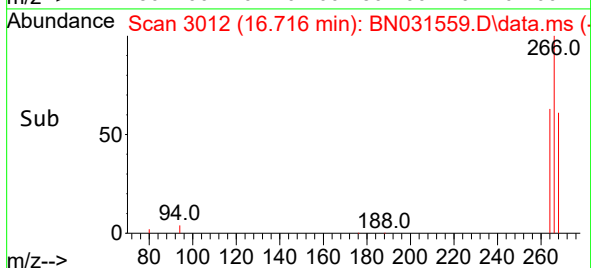
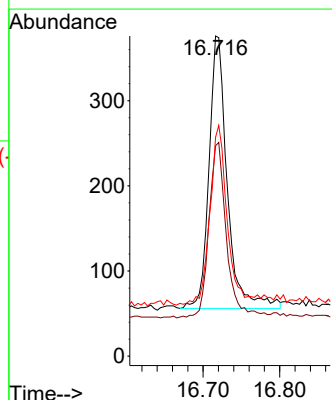
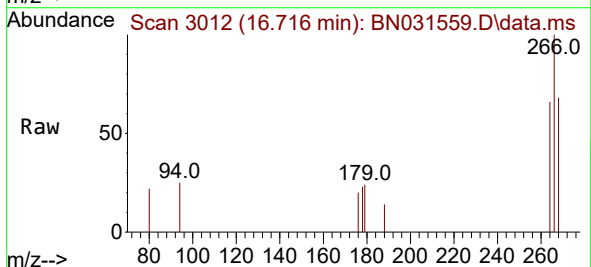
RT: 16.716 min Scan# 3012

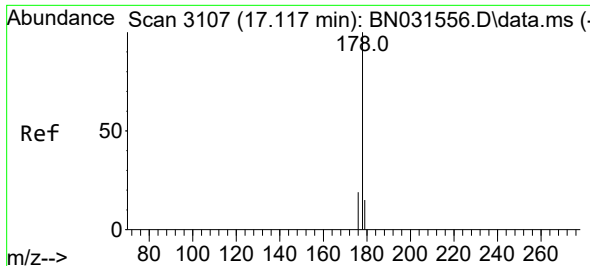
Delta R.T. -0.008 min

Lab File: BN031559.D

Acq: 17 May 2024 12:17

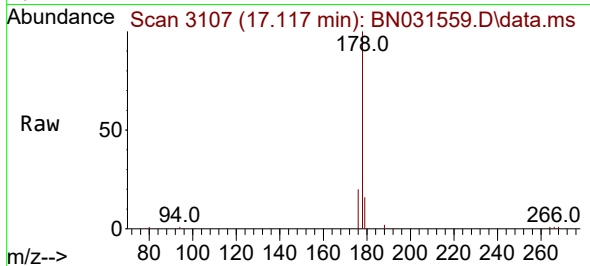
Tgt Ion:266	Resp:	532
Ion Ratio	Lower	Upper
266	100	
264	61.8	49.9 74.9
268	65.0	51.1 76.7





#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.117 min Scan# 3107
Delta R.T. -0.004 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

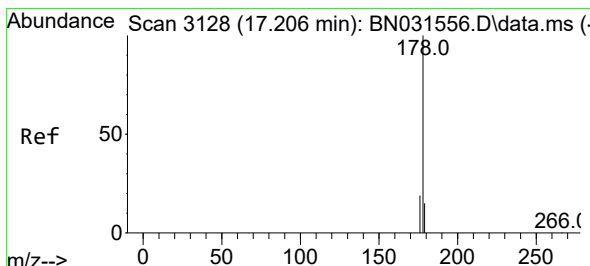
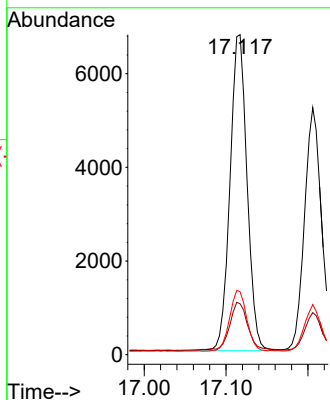
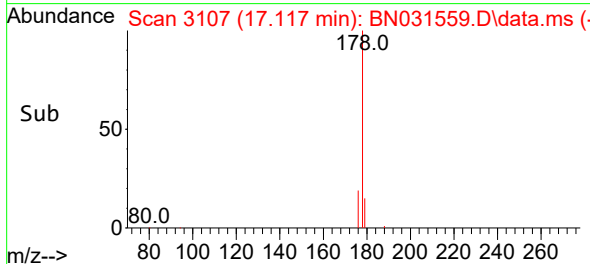
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



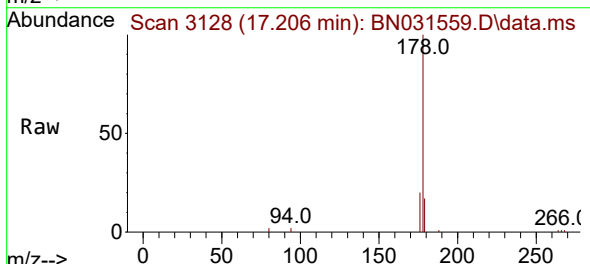
Tgt Ion:178 Resp: 974
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.4
176 19.6 15.4 23.0

Manual Integrations
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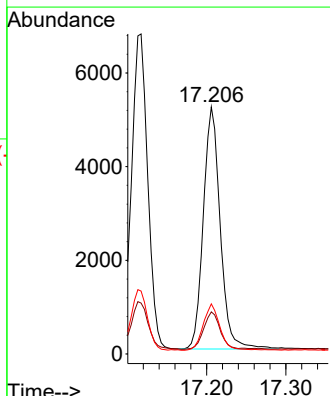
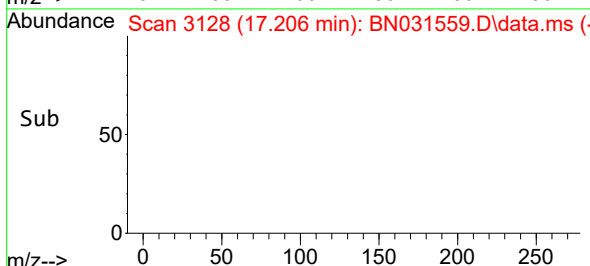
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

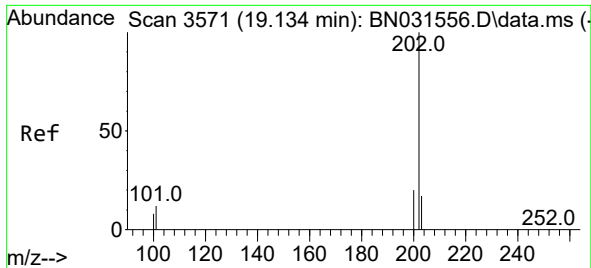


#16
Anthracene
Concen: 0.063 ng/ul
RT: 17.206 min Scan# 3128
Delta R.T. -0.004 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17



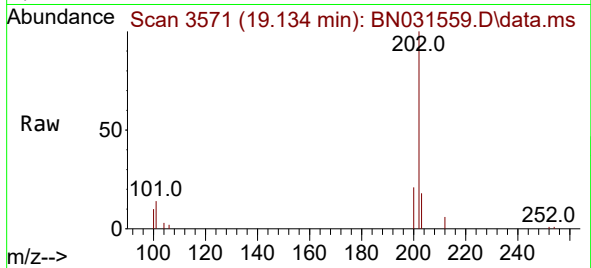
Tgt Ion:178 Resp: 7677
Ion Ratio Lower Upper
178 100
179 17.0 12.2 18.4
176 20.3 14.9 22.3





#19
Fluoranthene
Concen: 0.080 ng/ul
RT: 19.134 min Scan# 3571
Delta R.T. -0.005 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

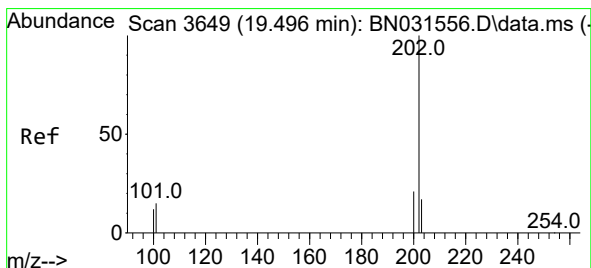
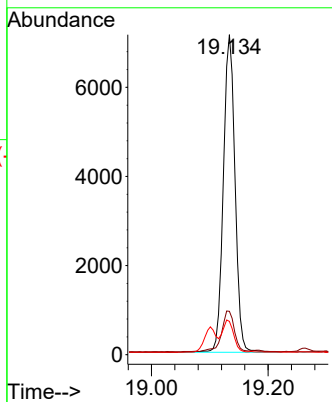
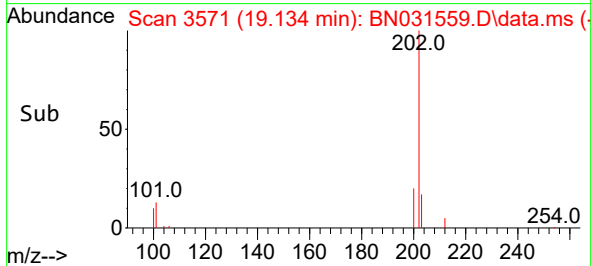
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:202 Resp: 986
Ion Ratio Lower Upper
202 100
101 13.5 10.2 15.4
100 10.4 7.7 11.5

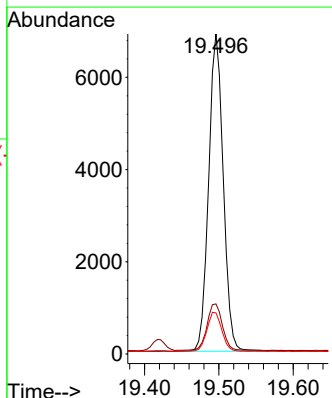
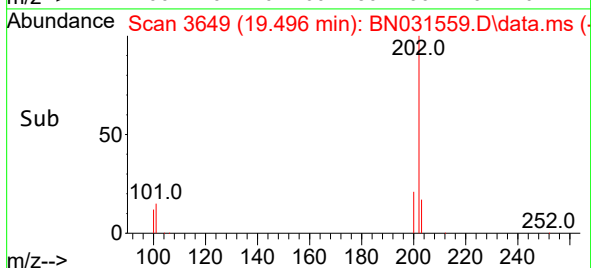
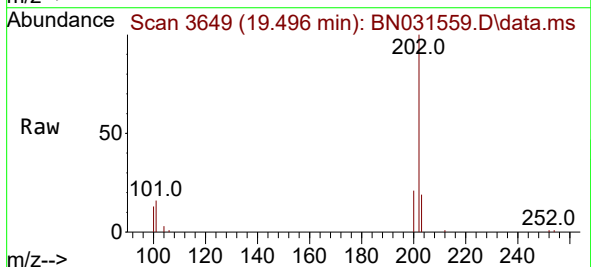
Manual Integrations
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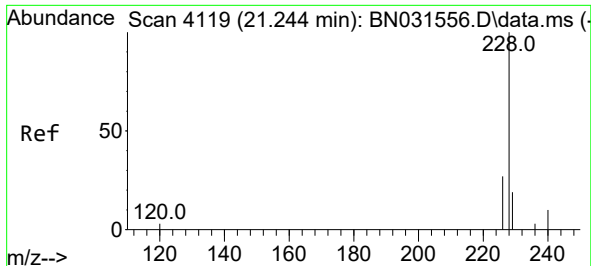
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#20
Pyrene
Concen: 0.077 ng/ul
RT: 19.496 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

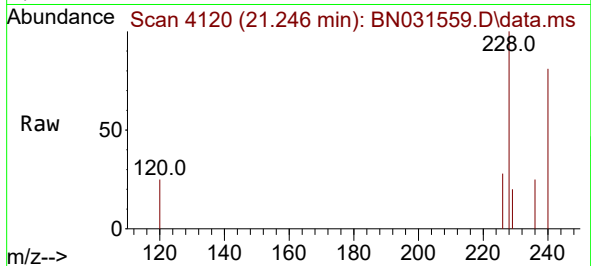
Tgt Ion:202 Resp: 9402
Ion Ratio Lower Upper
202 100
101 15.7 12.0 18.0
100 12.8 9.7 14.5





#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 21.246 min Scan# 4119
Delta R.T. -0.003 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

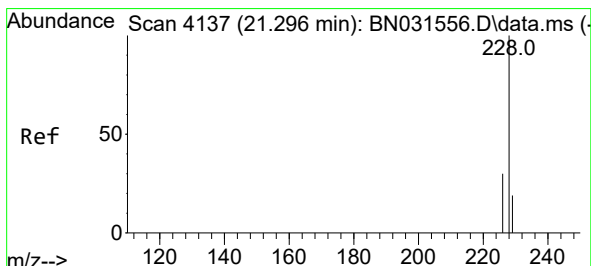
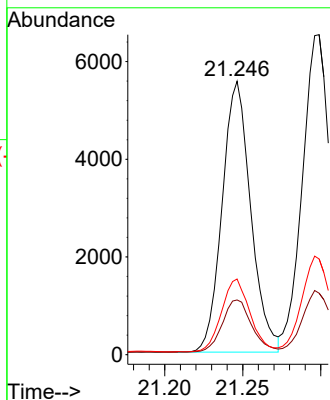
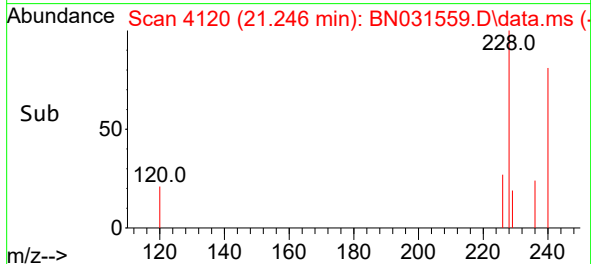
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:228 Resp: 708
Ion Ratio Lower Upper
228 100
229 20.0 15.4 23.0
226 27.7 21.5 32.3

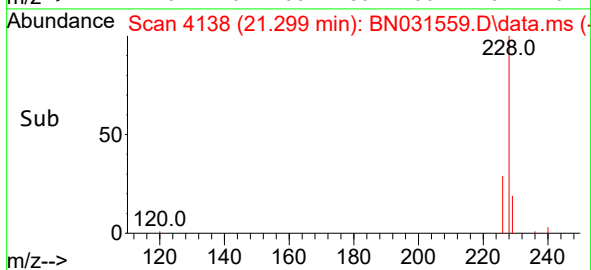
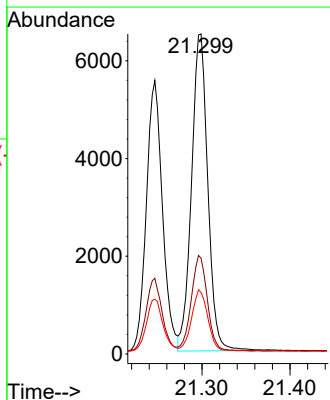
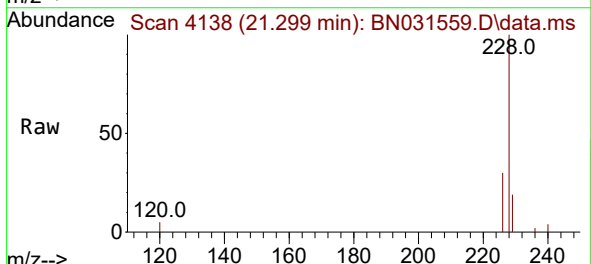
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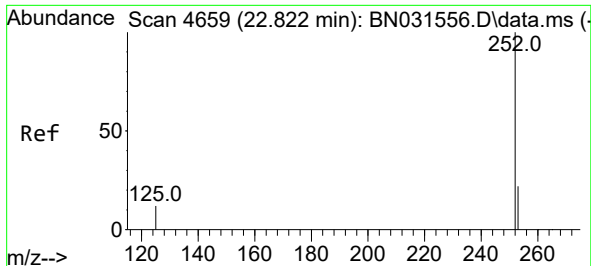
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#22
Chrysene
Concen: 0.067 ng/ul
RT: 21.299 min Scan# 4138
Delta R.T. -0.003 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

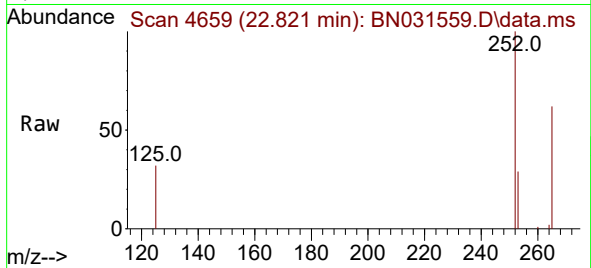
Tgt Ion:228 Resp: 8360
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 19.2 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.063 ng/ul
RT: 22.821 min Scan# 4659
Delta R.T. -0.006 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

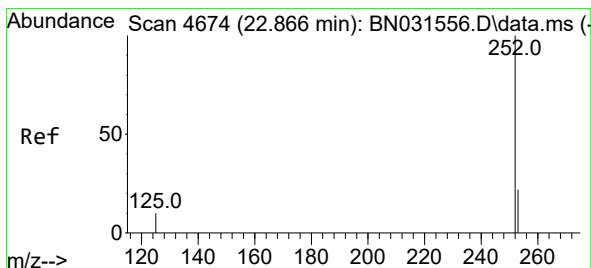
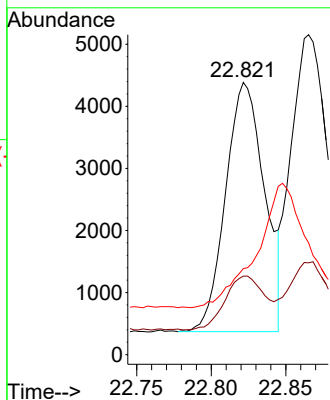
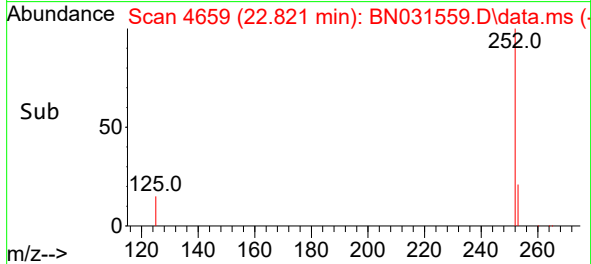
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



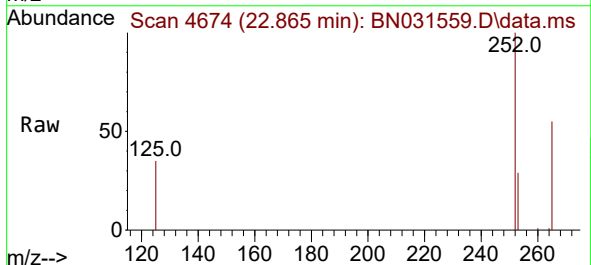
Tgt Ion:252 Resp: 7309
Ion Ratio Lower Upper
252 100
253 28.9 0.0 44.8
125 31.6 0.0 27.4

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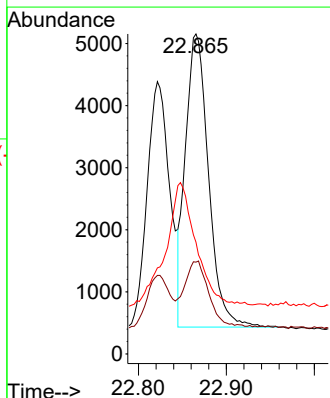
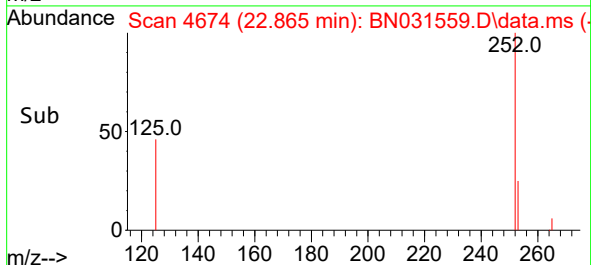
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

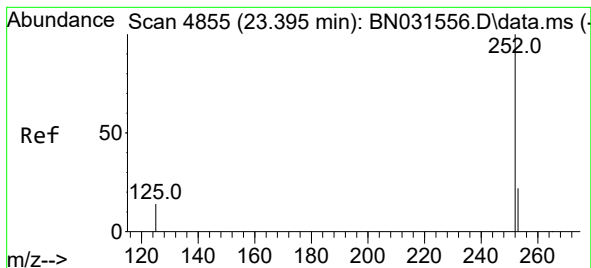


#25
Benzo(k)fluoranthene
Concen: 0.069 ng/ul
RT: 22.865 min Scan# 4674
Delta R.T. -0.009 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17



Tgt Ion:252 Resp: 8612
Ion Ratio Lower Upper
252 100
253 28.7 17.8 26.8#
125 35.0 10.6 16.0#





#26

Benzo(a)pyrene

Concen: 0.060 ng/ul

RT: 23.397 min Scan# 4855

Delta R.T. -0.006 min

Lab File: BN031559.D

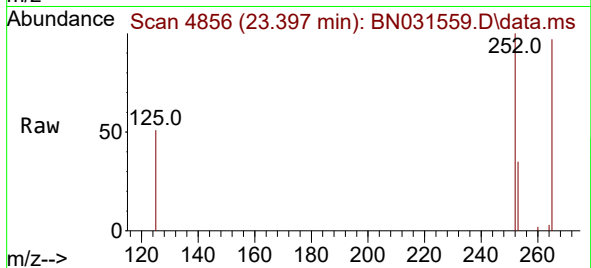
Acq: 17 May 2024 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2024-04



Tgt Ion:252 Resp: 6058

Ion Ratio Lower Upper

252 100

253 34.6 17.9 26.9

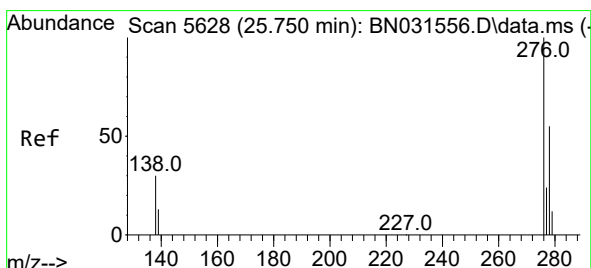
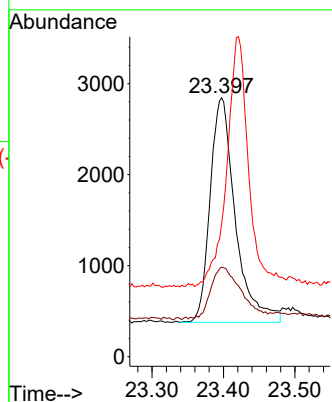
125 51.4 12.3 18.5

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Reviewed By :Jagrut Upadhyay 05/17/2024

Supervised By :mohammad ahmed 05/18/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng/ul

RT: 25.750 min Scan# 5628

Delta R.T. -0.017 min

Lab File: BN031559.D

Acq: 17 May 2024 12:17

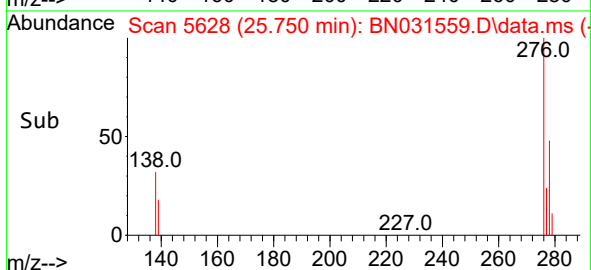
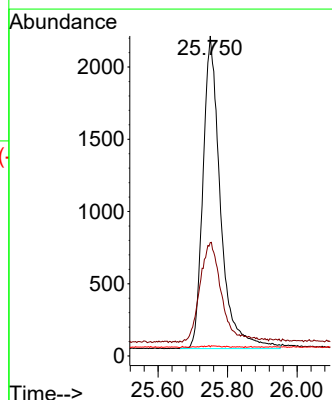
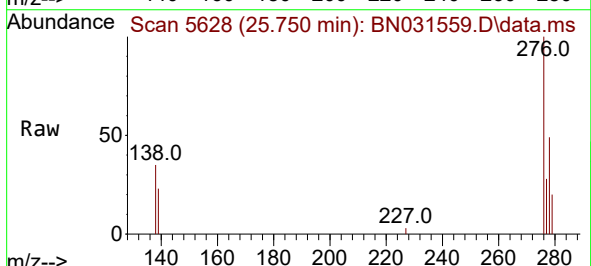
Tgt Ion:276 Resp: 7568

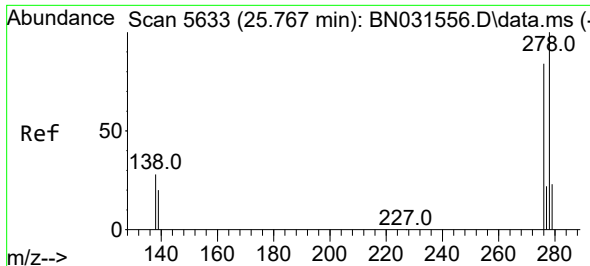
Ion Ratio Lower Upper

276 100

138 0.0 24.8 37.2#

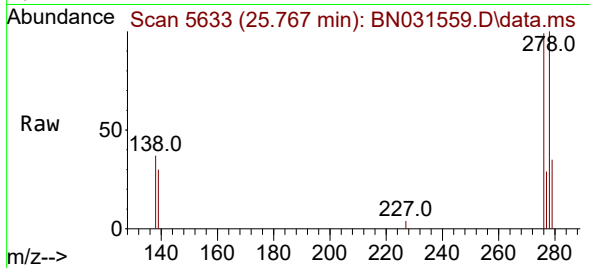
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.767 min Scan# 5633
Delta R.T. -0.013 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

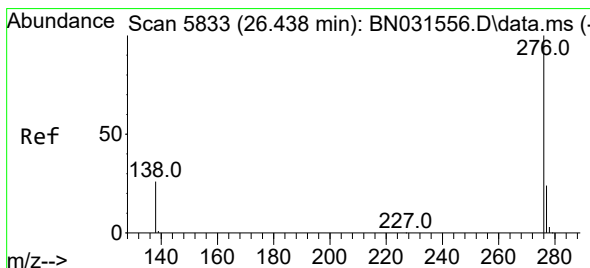
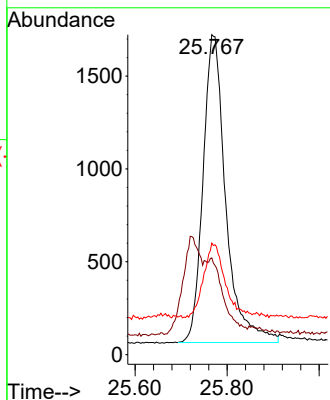
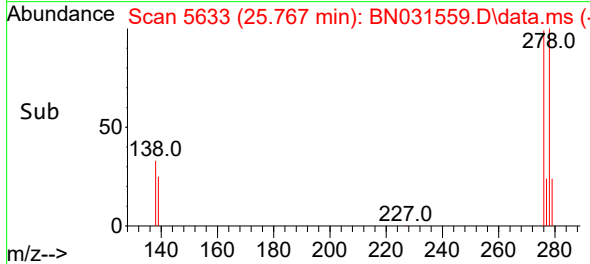
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-04



Tgt Ion:278 Resp: 5699
Ion Ratio Lower Upper
278 100
139 30.2 16.7 25.1
279 34.8 19.5 29.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#29
Benzo(g,h,i)perylene
Concen: 0.057 ng/ul
RT: 26.438 min Scan# 5833
Delta R.T. -0.013 min
Lab File: BN031559.D
Acq: 17 May 2024 12:17

Tgt Ion:276 Resp: 5443
Ion Ratio Lower Upper
276 100
138 30.9 21.4 32.2
277 27.6 19.2 28.8

