

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051724\
 Data File : BN031546.D
 Acq On : 16 May 2024 12:24
 Operator : MA/JU
 Sample : P2409-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 16 12:58:25 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

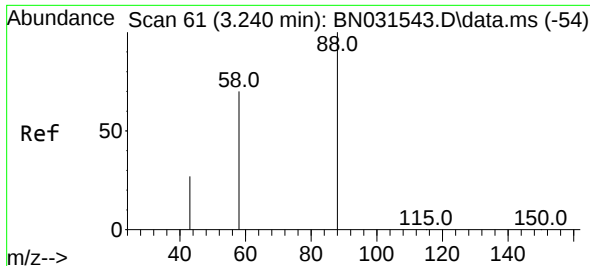
Manual Integrations APPROVED

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

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

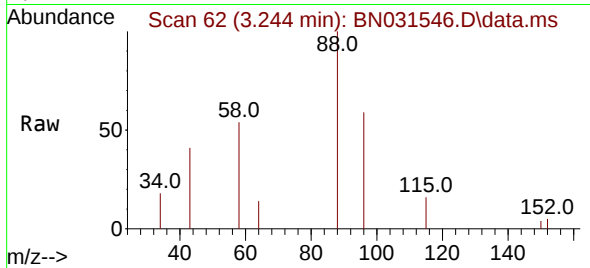
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.700	152	11547	0.400	ng/ul	0.00
4) Naphthalene-d8	10.479	136	35889	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.335	164	18329	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.078	188	40825	0.400	ng/ul	0.00
17) Chrysene-d12	21.263	240	26627	0.400	ng/ul	0.00
23) Perylene-d12	23.496	264	23539	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.206	96	5909	0.425	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.074	152	18847	0.371	ng/ul	0.00
18) Fluoranthene-d10	19.104	212	34858	0.472	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.244	88	1443m	0.100	ng/ul	
5) Naphthalene	10.529	128	6760	0.070	ng/ul	96
7) 2-Methylnaphthalene	12.146	142	4191	0.069	ng/ul	100
8) 1-Methylnaphthalene	12.366	142	4139	0.065	ng/ul	98
10) Acenaphthylene	14.053	152	5646	0.068	ng/ul	97
11) Acenaphthene	14.395	153	4479	0.071	ng/ul	99
12) Fluorene	15.385	166	4797	0.068	ng/ul	99
14) Pentachlorophenol	16.719	266	393	0.062	ng/ul	100
15) Phenanthrene	17.116	178	8015	0.067	ng/ul	97
16) Anthracene	17.209	178	6327	0.063	ng/ul	95
19) Fluoranthene	19.137	202	8054	0.081	ng/ul	99
20) Pyrene	19.499	202	7635	0.078	ng/ul	99
21) Benzo(a)anthracene	21.245	228	5507	0.060	ng/ul	96
22) Chrysene	21.298	228	6619	0.067	ng/ul	99
24) Benzo(b)fluoranthene	22.820	252	5172	0.060	ng/ul#	71
25) Benzo(k)fluoranthene	22.867	252	6397	0.068	ng/ul#	69
26) Benzo(a)pyrene	23.396	252	4614	0.061	ng/ul#	52
27) Indeno(1,2,3-cd)pyrene	25.755	276	5224	0.059	ng/ul#	44
28) Dibenzo(a,h)anthracene	25.769	278	4043	0.058	ng/ul#	74
29) Benzo(g,h,i)perylene	26.446	276	3878	0.055	ng/ul#	87

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



#2
1,4-Dioxane
Concen: 0.100 ng/ul m
RT: 3.244 min Scan# 61
Delta R.T. 0.004 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

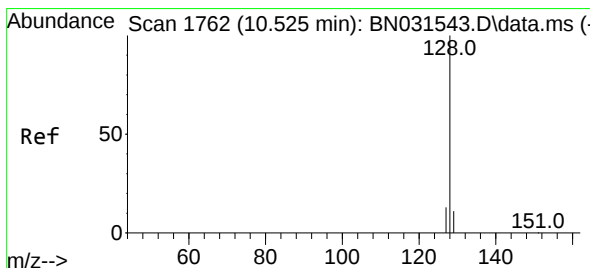
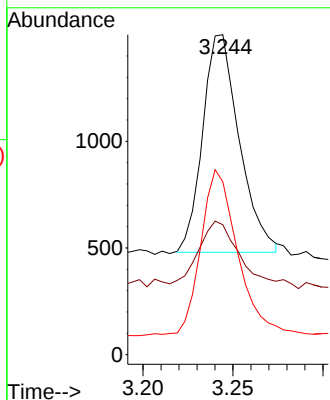
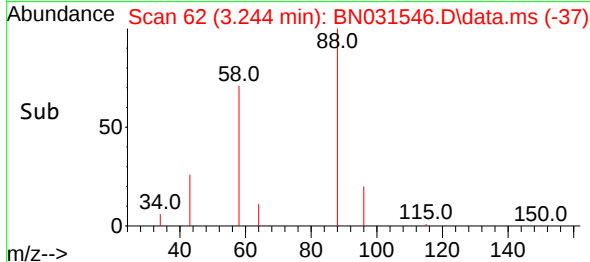
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 40.6 23.3 34.9
58 54.1 53.0 79.4

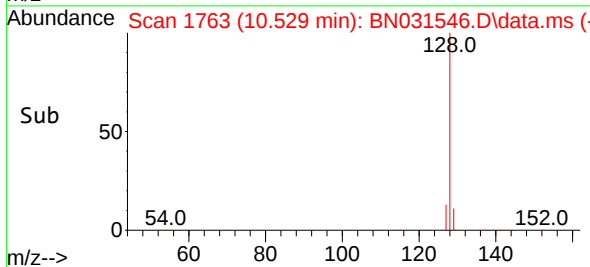
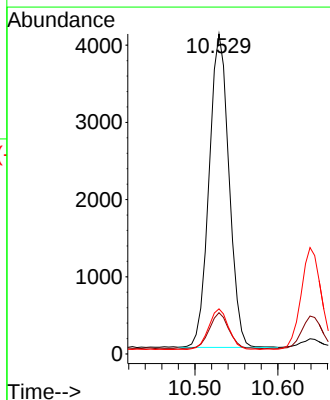
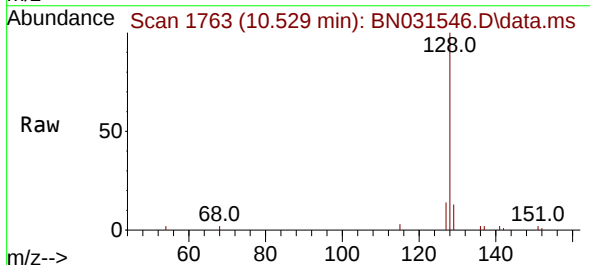
Manual Integrations
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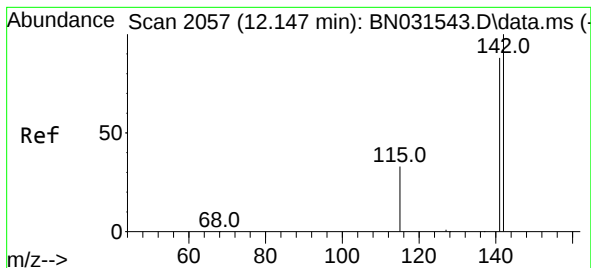
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.529 min Scan# 1763
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

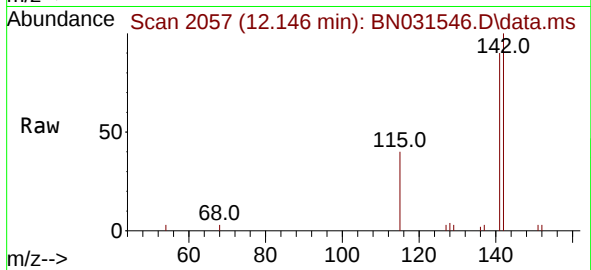
Tgt Ion:128 Resp: 6760
Ion Ratio Lower Upper
128 100
129 12.9 8.7 13.1
127 14.1 10.4 15.6





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.146 min Scan# 2057
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

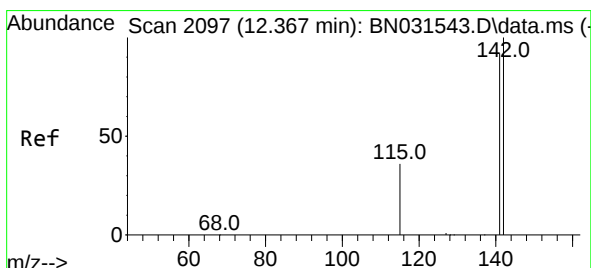
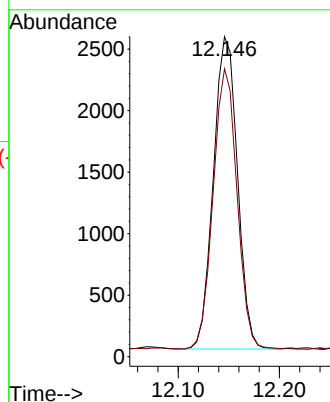
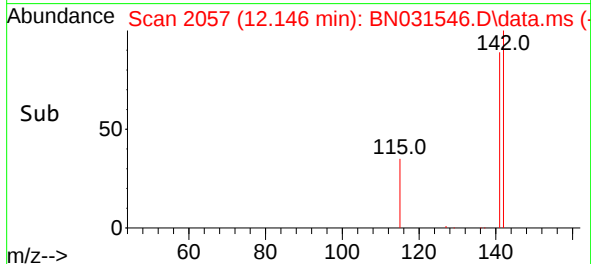
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



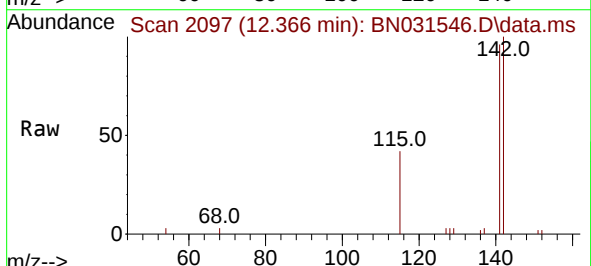
Tgt Ion:142 Resp: 419
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.6

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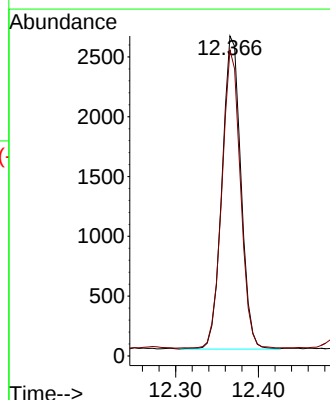
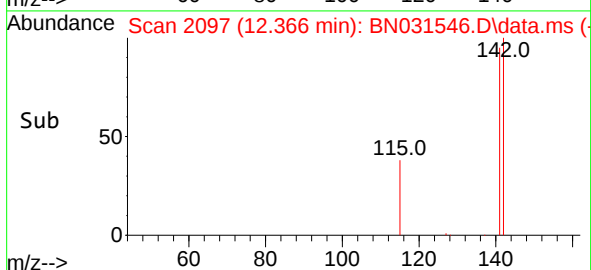
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

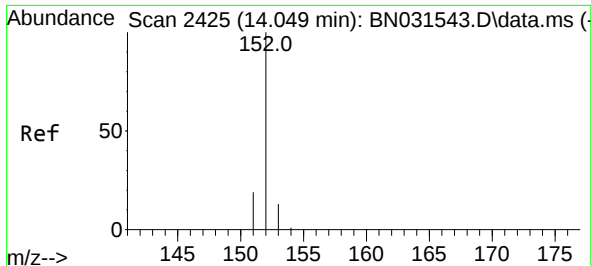


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.366 min Scan# 2097
Delta R.T. -0.007 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24



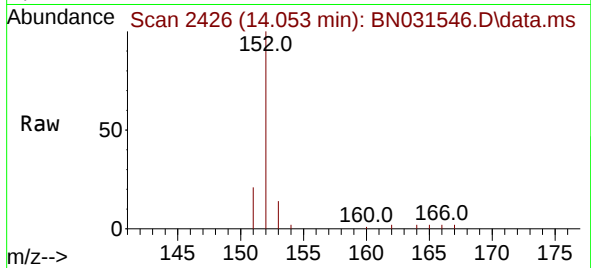
Tgt Ion:142 Resp: 4139
Ion Ratio Lower Upper
142 100
141 93.6 73.4 110.2





#10
Acenaphthylene
Concen: 0.068 ng/ul
RT: 14.053 min Scan# 2425
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

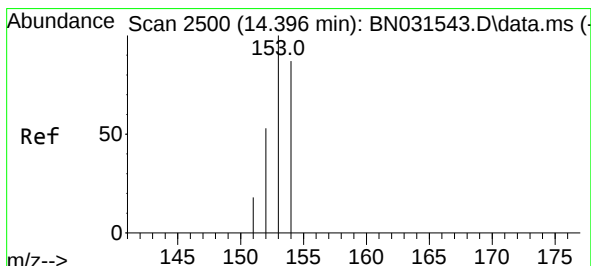
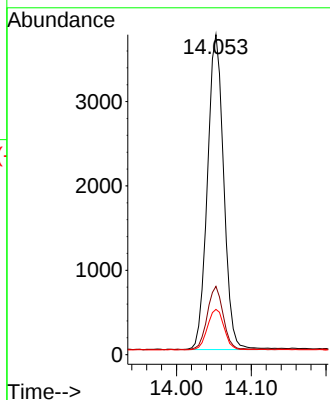
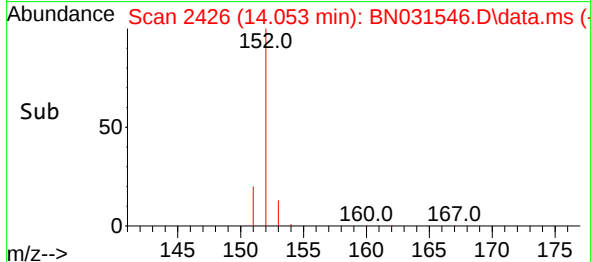
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



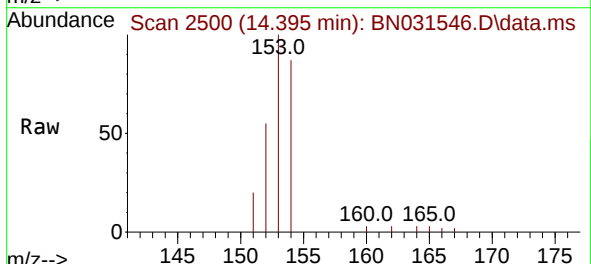
Tgt Ion:152 Resp: 5640
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.8
153 14.1 10.5 15.7

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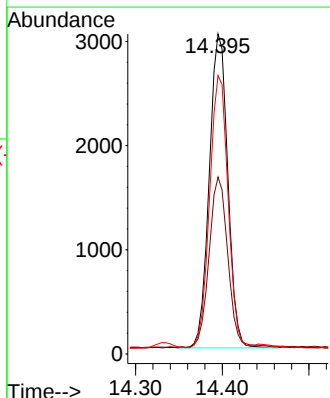
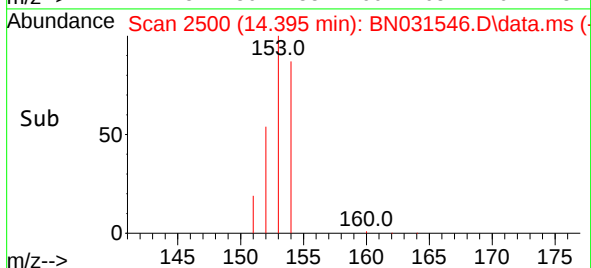
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

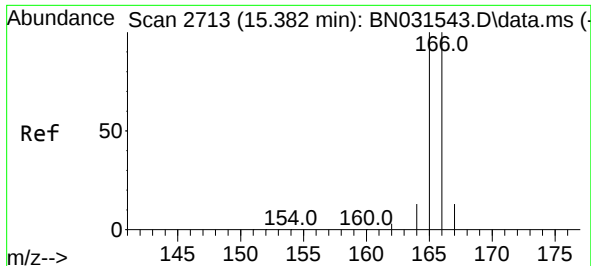


#11
Acenaphthene
Concen: 0.071 ng/ul
RT: 14.395 min Scan# 2500
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24



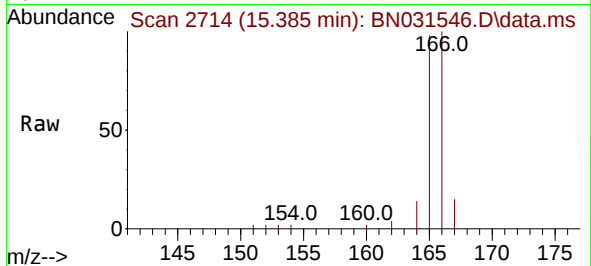
Tgt Ion:153 Resp: 4479
Ion Ratio Lower Upper
153 100
152 55.3 42.6 64.0
154 87.0 70.0 105.0





#12
Fluorene
Concen: 0.068 ng/ul
RT: 15.385 min Scan# 2713
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

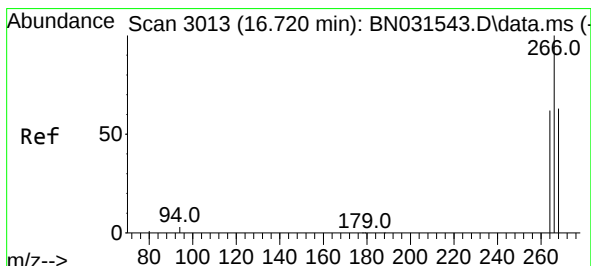
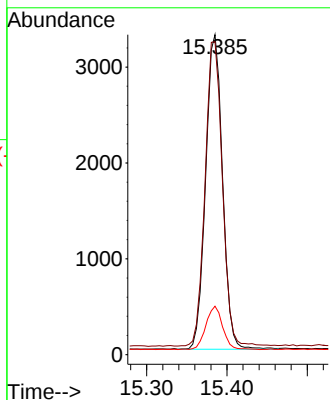
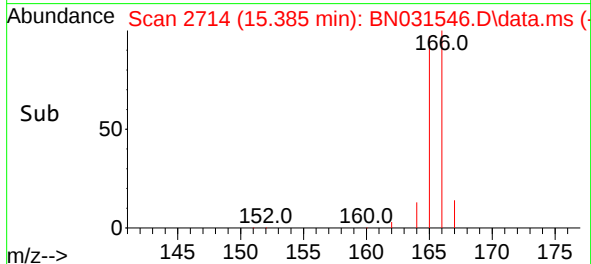
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:166 Resp: 479
Ion Ratio Lower Upper
166 100
165 97.8 78.6 117.8
167 15.2 10.9 16.3

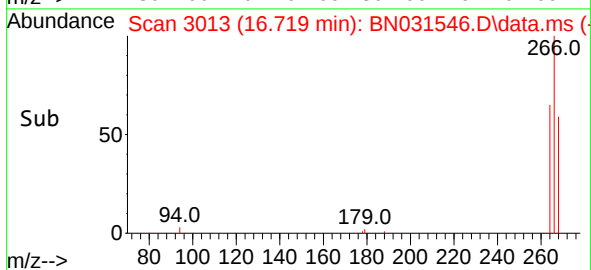
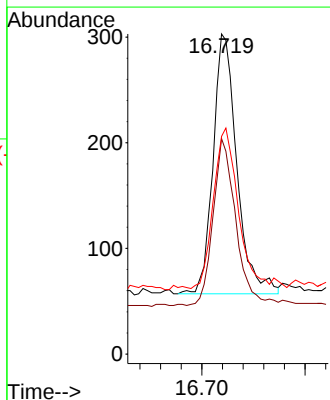
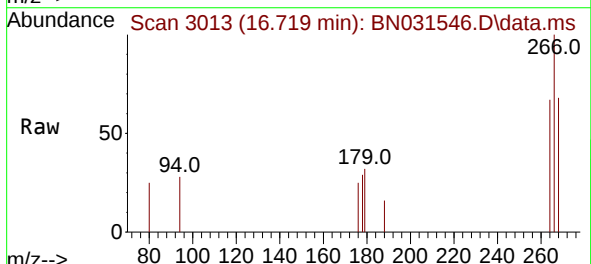
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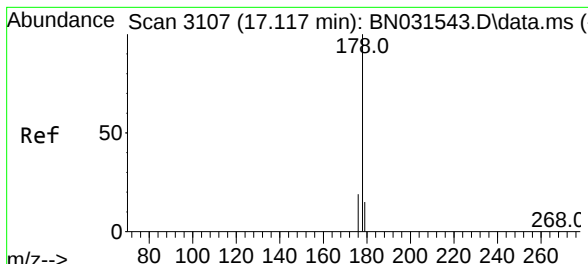
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#14
Pentachlorophenol
Concen: 0.062 ng/ul
RT: 16.719 min Scan# 3013
Delta R.T. -0.006 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

Tgt Ion:266 Resp: 393
Ion Ratio Lower Upper
266 100
264 62.6 49.9 74.9
268 63.9 51.1 76.7



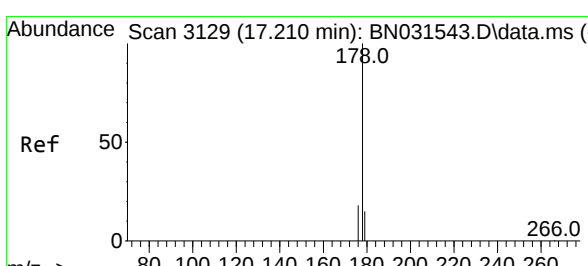
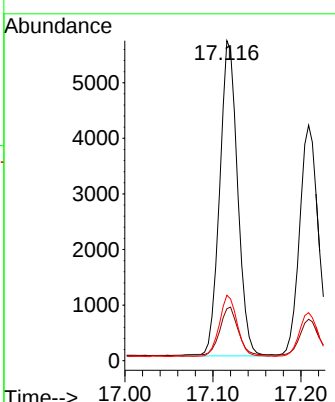
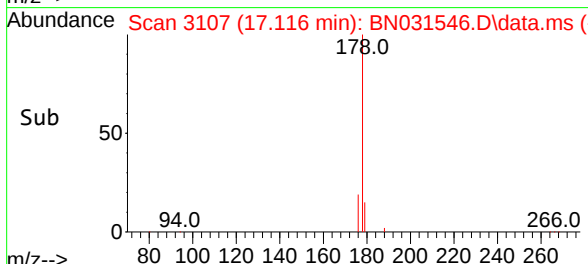
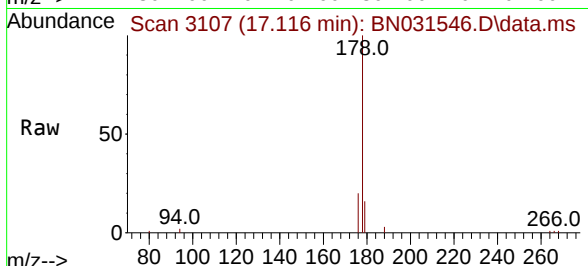


#15
 Phenanthrene
 Concen: 0.067 ng/ul
 RT: 17.116 min Scan# 3107
 Delta R.T. -0.006 min
 Lab File: BN031546.D
 Acq: 16 May 2024 12:24

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT2-2024-03

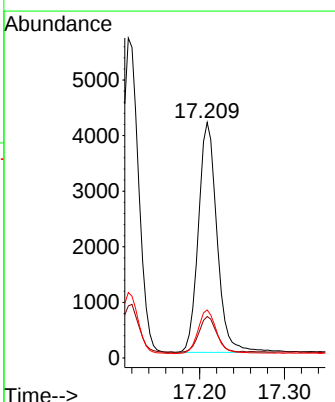
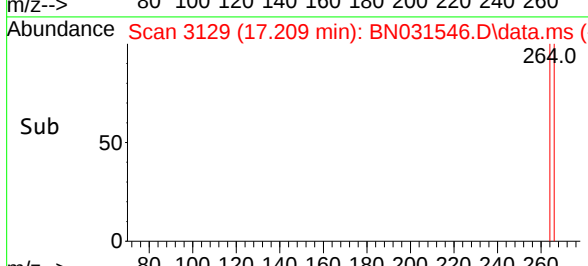
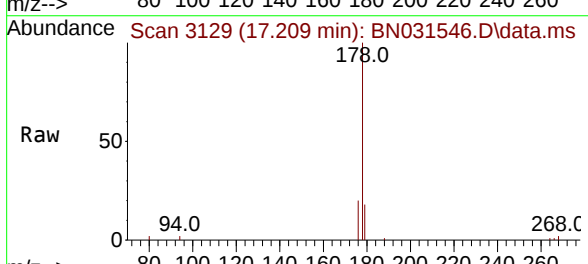
Tgt Ion:	178	Resp:	801
Ion Ratio	Lower	Upper	
178	100		
179	16.2	12.2	18.4
176	20.4	15.4	23.0

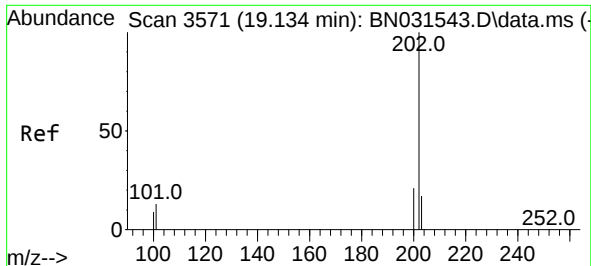
Manual Integrations
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 Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024



#16
 Anthracene
 Concen: 0.063 ng/ul
 RT: 17.209 min Scan# 3129
 Delta R.T. -0.001 min
 Lab File: BN031546.D
 Acq: 16 May 2024 12:24

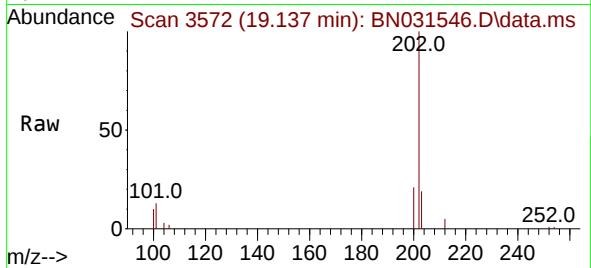
Tgt Ion:	178	Resp:	6327
Ion Ratio	Lower	Upper	
178	100		
179	17.6	12.2	18.4
176	20.4	14.9	22.3





#19
Fluoranthene
Concen: 0.081 ng/u1
RT: 19.137 min Scan# 3571
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

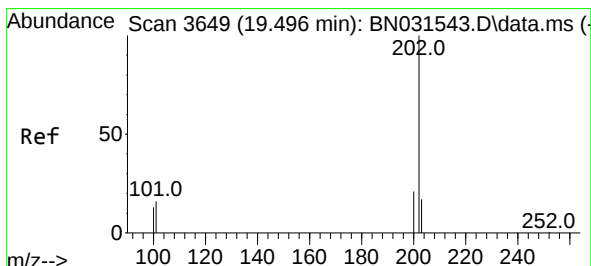
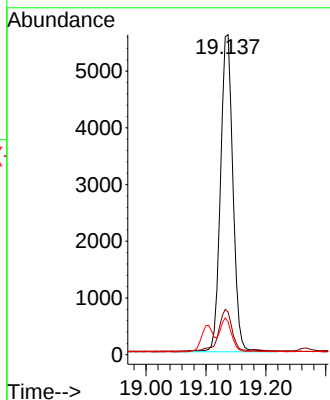
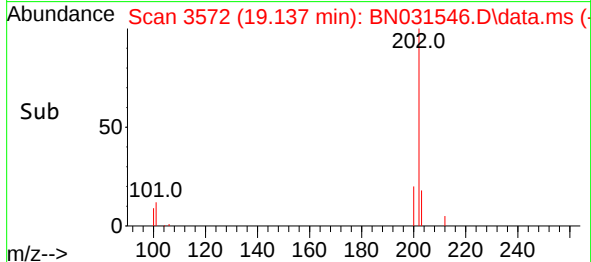
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:202 Resp: 8054
Ion Ratio Lower Upper
202 100
101 13.3 10.2 15.4
100 10.2 7.7 11.5

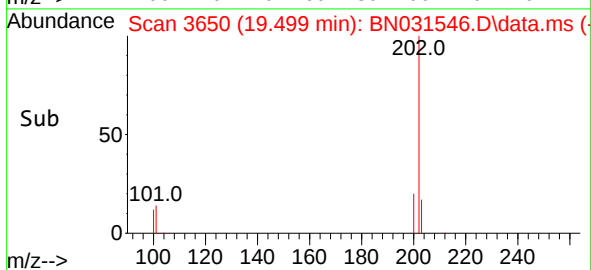
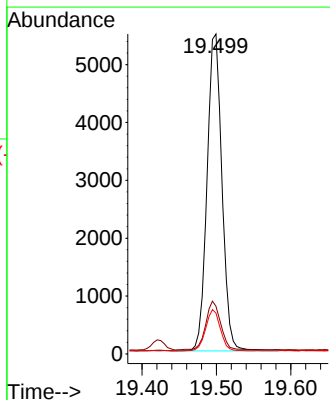
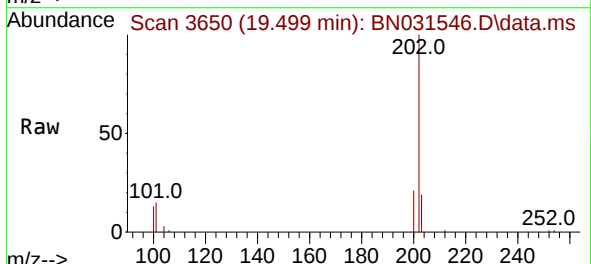
Manual Integrations
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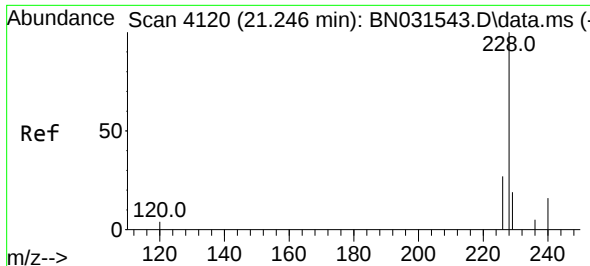
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#20
Pyrene
Concen: 0.078 ng/u1
RT: 19.499 min Scan# 3650
Delta R.T. -0.001 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

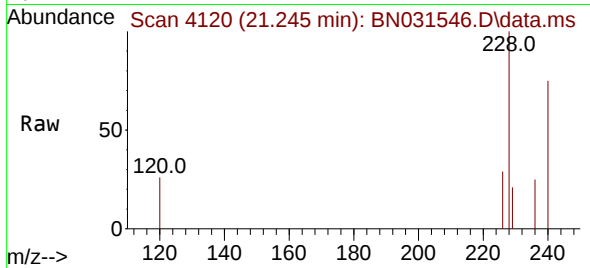
Tgt Ion:202 Resp: 7635
Ion Ratio Lower Upper
202 100
101 14.9 12.0 18.0
100 12.8 9.7 14.5





#21
Benzo(a)anthracene
Concen: 0.060 ng/u1
RT: 21.245 min Scan# 4120
Delta R.T. -0.004 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

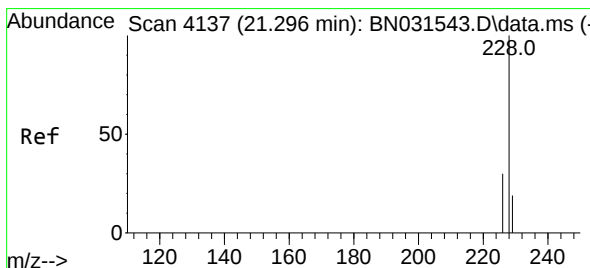
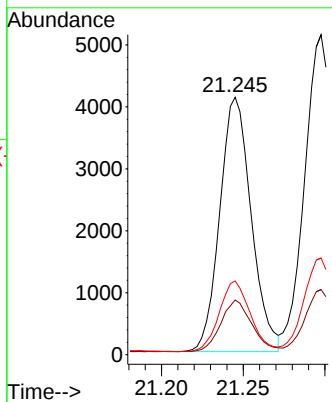
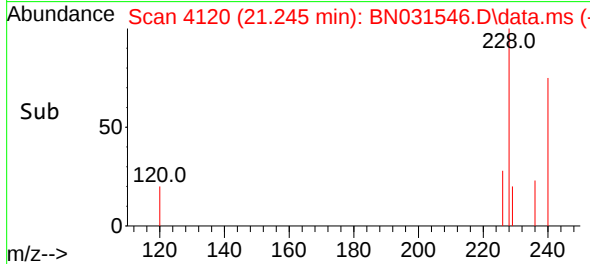
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:228 Resp: 5507
Ion Ratio Lower Upper
228 100
229 21.3 15.4 23.0
226 28.7 21.5 32.3

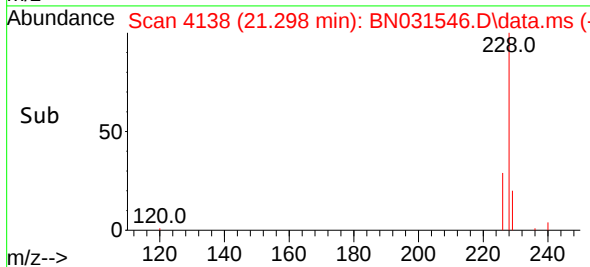
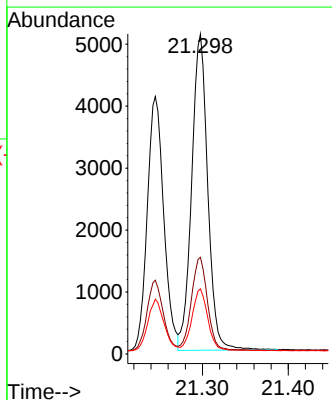
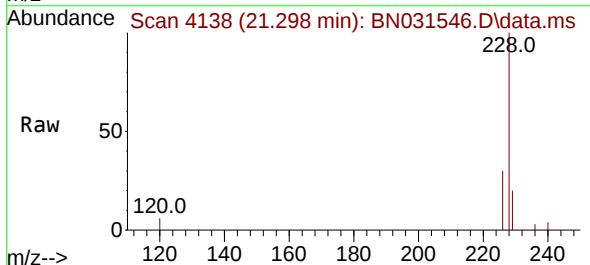
Manual Integrations
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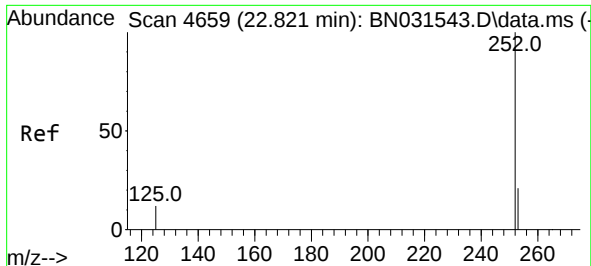
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#22
Chrysene
Concen: 0.067 ng/u1
RT: 21.298 min Scan# 4138
Delta R.T. -0.004 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

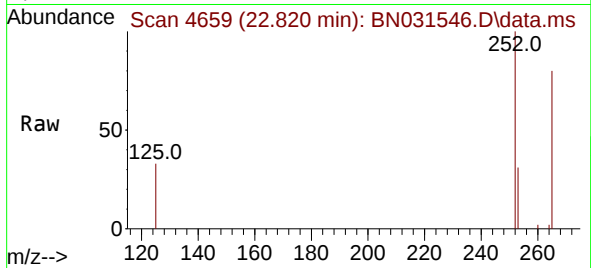
Tgt Ion:228 Resp: 6619
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 20.3 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 22.820 min Scan# 4659
Delta R.T. -0.007 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

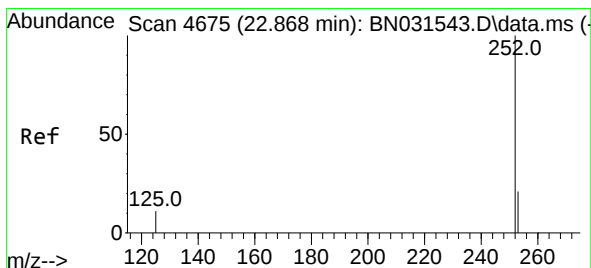
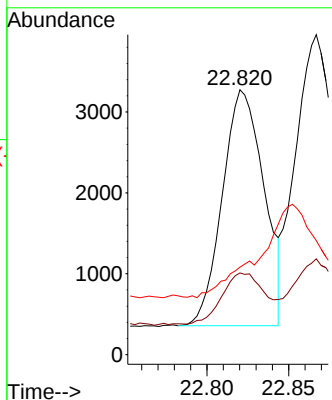
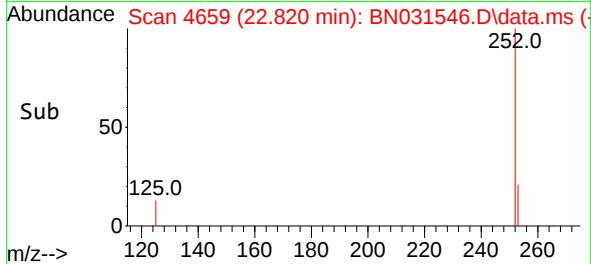
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:252 Resp: 5172
Ion Ratio Lower Upper
252 100
253 30.9 0.0 44.8
125 33.0 0.0 27.4

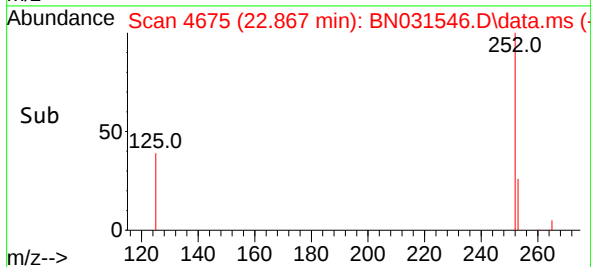
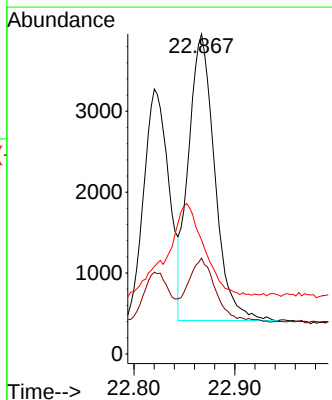
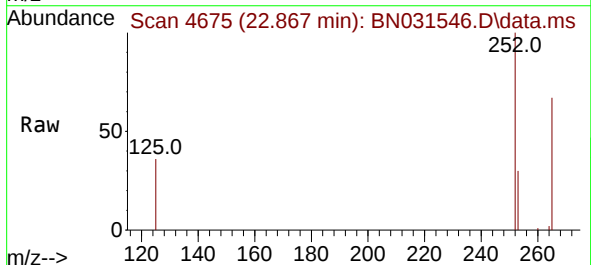
Manual Integrations
APPROVED

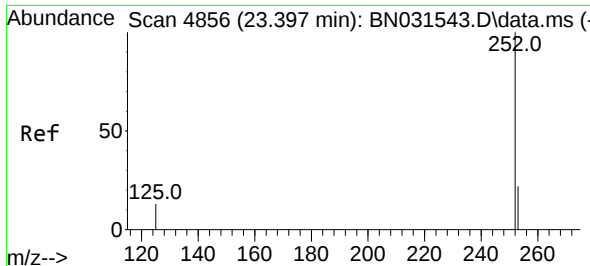
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.867 min Scan# 4675
Delta R.T. -0.007 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

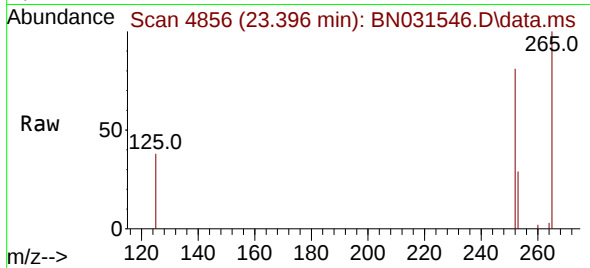
Tgt Ion:252 Resp: 6397
Ion Ratio Lower Upper
252 100
253 30.0 17.8 26.8#
125 35.7 10.6 16.0#





#26
Benzo(a)pyrene
Concen: 0.061 ng/ul
RT: 23.396 min Scan# 4856
Delta R.T. -0.007 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24

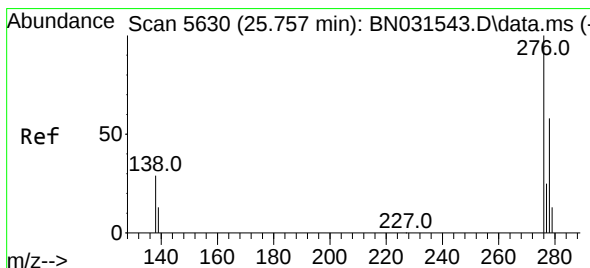
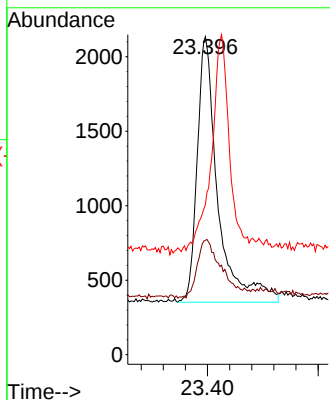
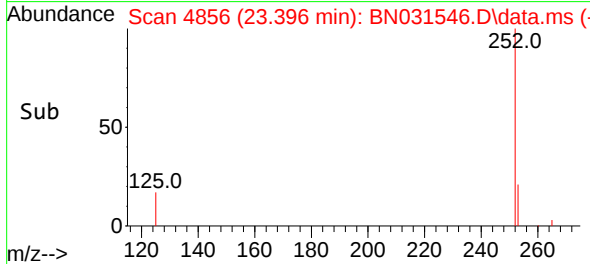
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03



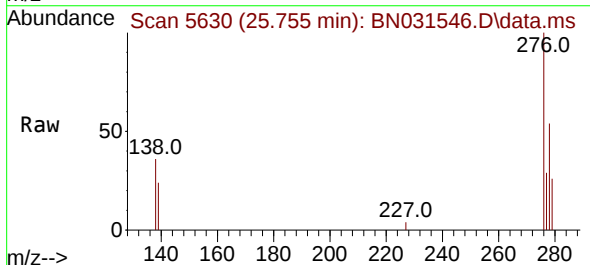
Tgt Ion:252 Resp: 4614
Ion Ratio Lower Upper
252 100
253 36.0 17.9 26.9#
125 47.3 12.3 18.5#

Manual Integrations
APPROVED

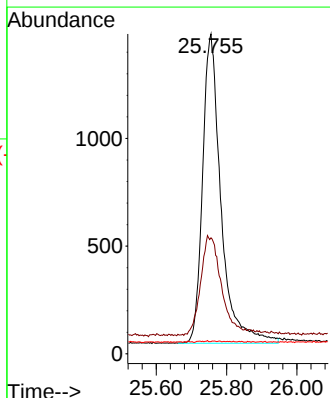
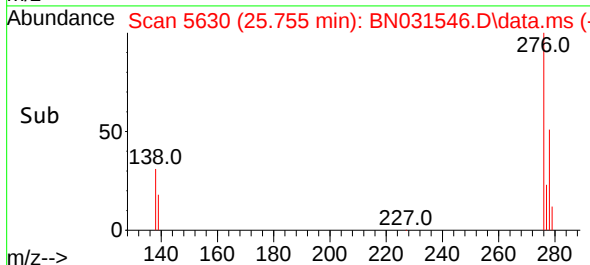
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

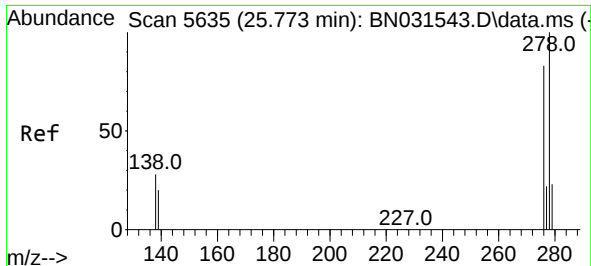


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul
RT: 25.755 min Scan# 5630
Delta R.T. -0.011 min
Lab File: BN031546.D
Acq: 16 May 2024 12:24



Tgt Ion:276 Resp: 5224
Ion Ratio Lower Upper
276 100
138 0.0 24.8 37.2#
227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.058 ng/ul

RT: 25.769 min Scan# 5635

Delta R.T. -0.011 min

Lab File: BN031546.D

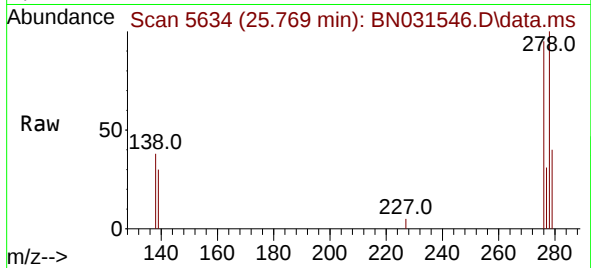
Acq: 16 May 2024 12:24

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT2-2024-03



Tgt Ion:278 Resp: 404

Ion Ratio Lower Upper

278 100

139 30.1 16.7 25.1

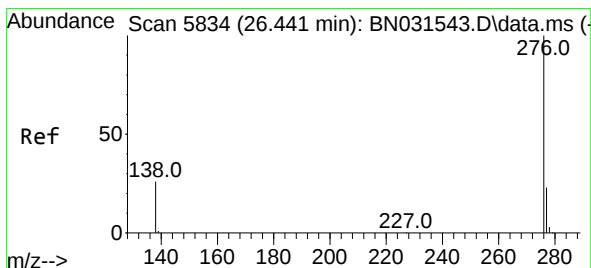
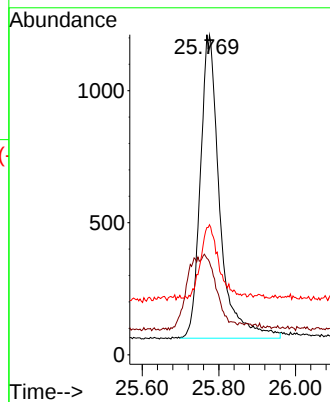
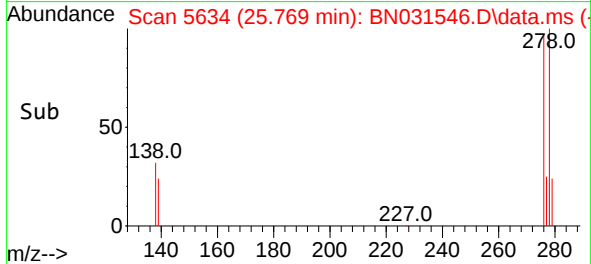
279 39.8 19.5 29.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024

Supervised By :mohammad ahmed 05/18/2024



#29

Benzo(g,h,i)perylene

Concen: 0.055 ng/ul

RT: 26.446 min Scan# 5836

Delta R.T. -0.005 min

Lab File: BN031546.D

Acq: 16 May 2024 12:24

Tgt Ion:276 Resp: 3878

Ion Ratio Lower Upper

276 100

138 32.5 21.4 32.2#

277 31.4 19.2 28.8#

