

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091724\
 Data File : BN034018.D
 Acq On : 17 Sep 2024 12:34
 Operator : JU/RC
 Sample : P3391-04
 Misc : SFAM-SIM-MDL-Q3-SOIL-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 17 12:59:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 12:23:24 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :mohammad ahmed 09/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.473	152	7333	0.400	ng/ul	0.00
4) Naphthalene-d8	10.228	136	19429	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.119	164	8926	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.872	188	17133	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.095	240	12173	0.400	ng/ul	0.00
23) Perylene-d12	23.237	264	9566	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.097	96	2820	0.374	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.828	152	10131	0.363	ng/ul	0.00
18) Fluoranthene-d10	18.915	212	16259	0.448	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.131	88	625m	0.075	ng/ul	
5) Naphthalene	10.277	128	3841	0.074	ng/ul#	94
7) 2-Methylnaphthalene	11.905	142	2259	0.069	ng/ul	99
8) 1-Methylnaphthalene	12.131	142	2259	0.067	ng/ul	100
10) Acenaphthylene	13.832	152	2769	0.068	ng/ul	94
11) Acenaphthene	14.179	153	2244	0.077	ng/ul	97
12) Fluorene	15.178	166	2264	0.069	ng/ul#	96
14) Pentachlorophenol	16.539	266	365	0.068	ng/ul	95
15) Phenanthrene	16.915	178	3342	0.066	ng/ul	94
16) Anthracene	17.007	178	2719	0.060	ng/ul#	90
19) Fluoranthene	18.948	202	3715	0.077	ng/ul#	89
20) Pyrene	19.310	202	4010	0.079	ng/ul#	85
21) Benzo(a)anthracene	21.077	228	3036	0.063	ng/ul	96
22) Chrysene	21.130	228	3534	0.073	ng/ul	97
24) Benzo(b)fluoranthene	22.605	252	3082	0.083	ng/ul#	37
25) Benzo(k)fluoranthene	22.646	252	3732	0.100	ng/ul#	31
26) Benzo(a)pyrene	23.146	252	2169	0.073	ng/ul#	25
27) Indeno(1,2,3-cd)pyrene	25.358	276	2666	0.060	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.374	278	2095	0.060	ng/ul#	52
29) Benzo(g,h,i)perylene	25.998	276	2288	0.065	ng/ul#	81

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

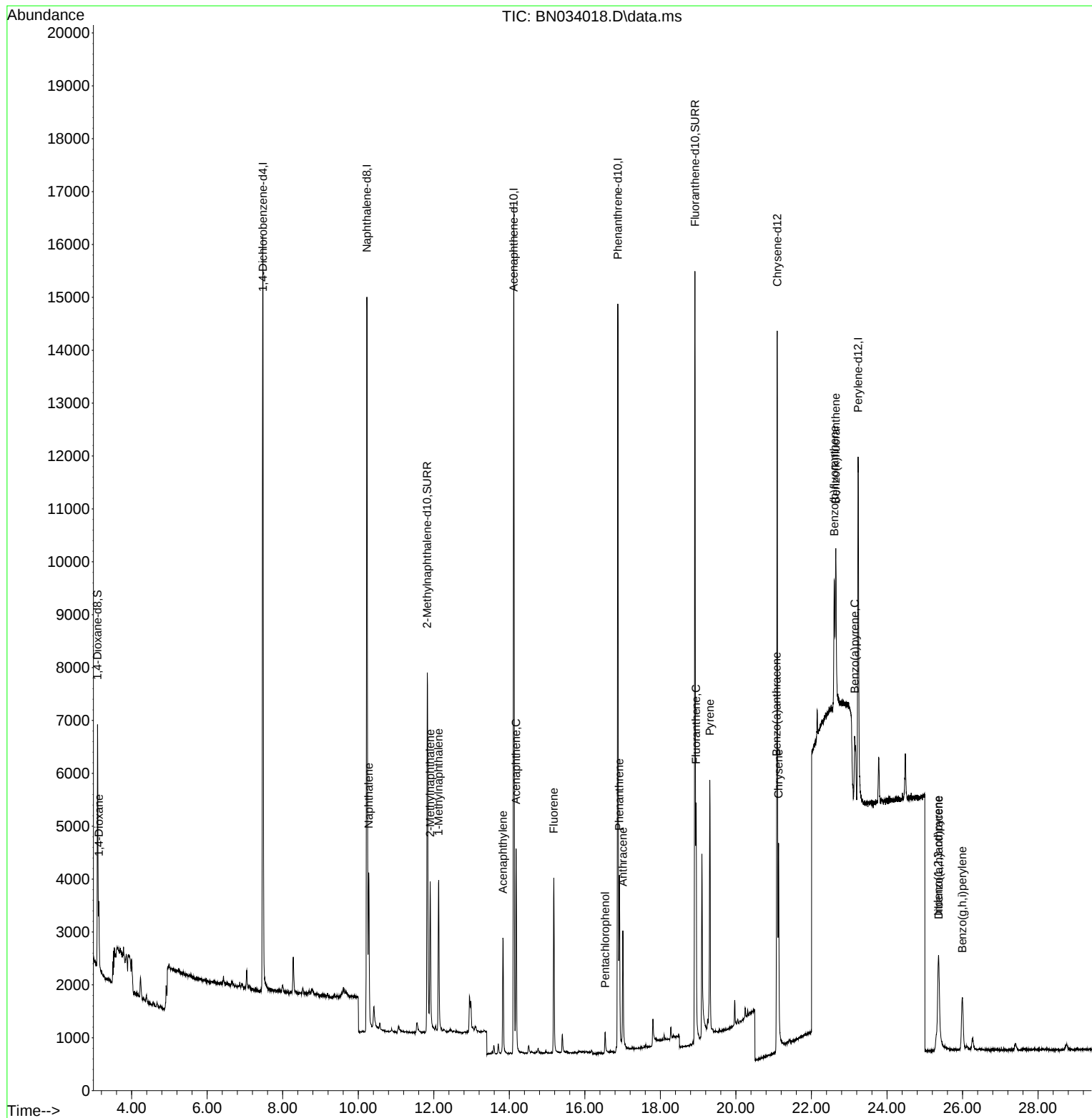
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091724\
Data File : BN034018.D
Acq On : 17 Sep 2024 12:34
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ALS Vial : 4 Sample Multiplier: 1

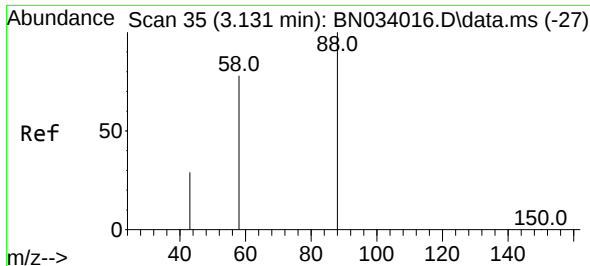
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06

Quant Time: Sep 17 12:59:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
APPROVED

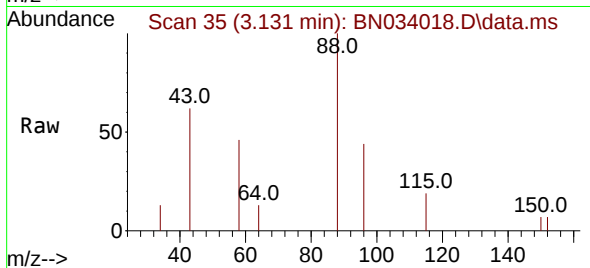
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024





#2
1,4-Dioxane
Concen: 0.075 ng/ul m
RT: 3.131 min Scan# 35
Delta R.T. -0.000 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

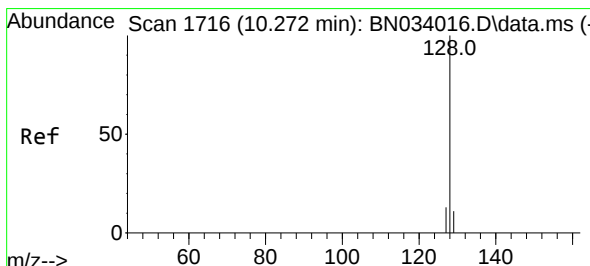
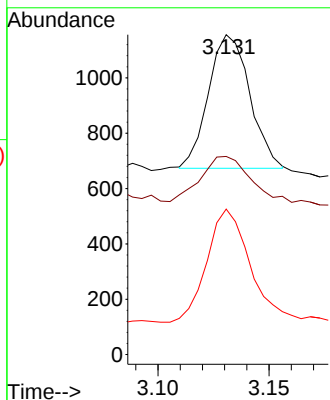
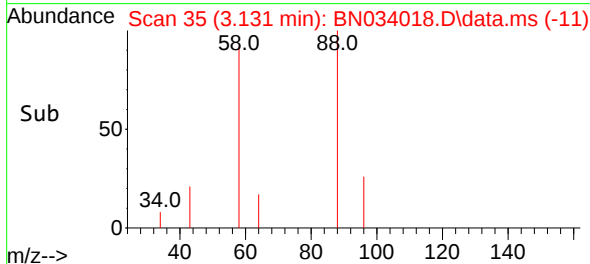
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 88 Resp: 625
Ion Ratio Lower Upper
88 100
43 61.9 47.0 70.4
58 45.5 53.0 79.4

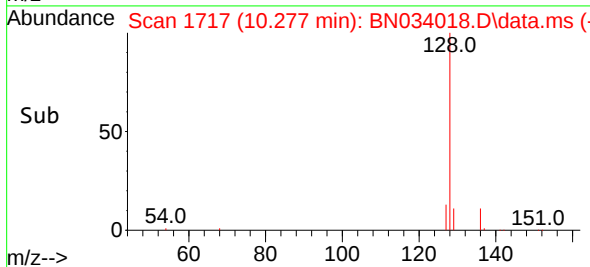
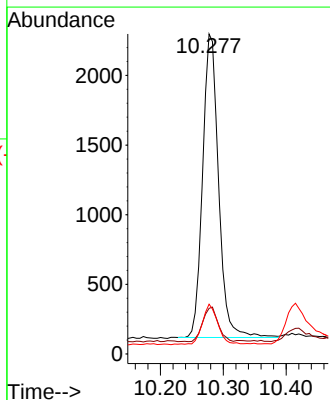
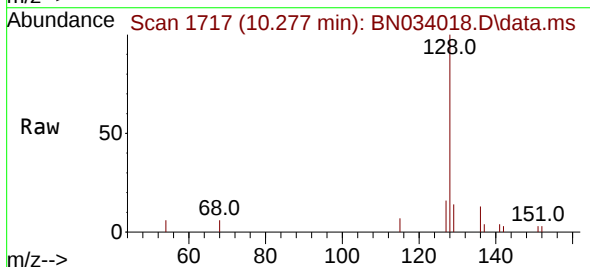
Manual Integrations
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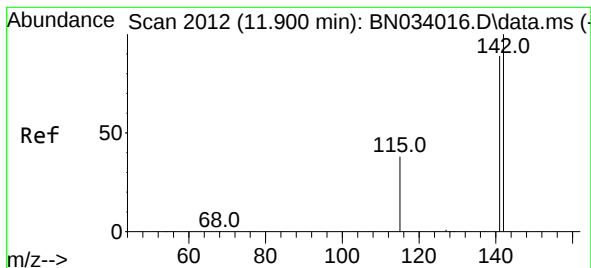
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#5
Naphthalene
Concen: 0.074 ng/ul
RT: 10.277 min Scan# 1717
Delta R.T. 0.005 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

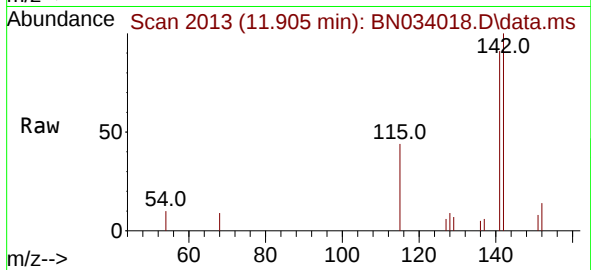
Tgt Ion:128 Resp: 3841
Ion Ratio Lower Upper
128 100
129 14.3 9.3 13.9#
127 15.5 10.8 16.2





#7
2-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 11.905 min Scan# 2012
Delta R.T. 0.005 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

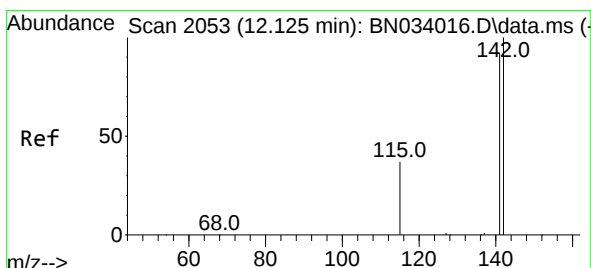
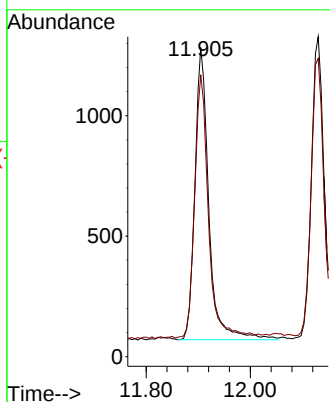
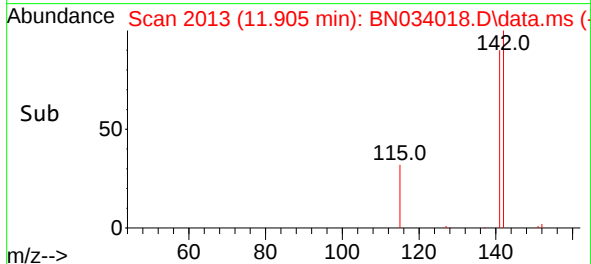
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



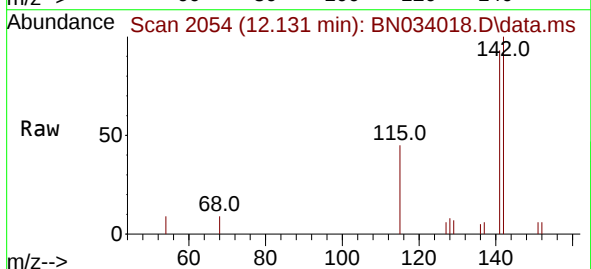
Tgt Ion:142 Resp: 2259
Ion Ratio Lower Upper
142 100
141 90.2 71.1 106.7

Manual Integrations
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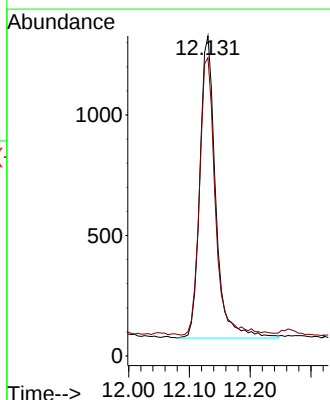
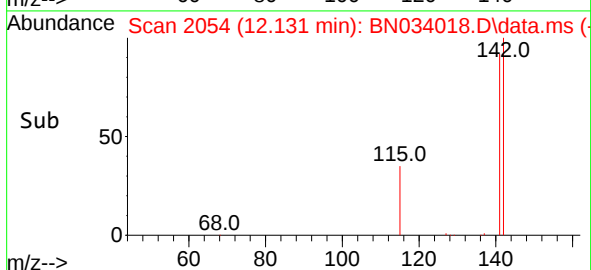
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024

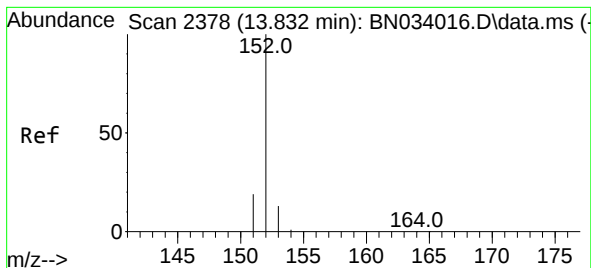


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.131 min Scan# 2054
Delta R.T. 0.005 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34



Tgt Ion:142 Resp: 2259
Ion Ratio Lower Upper
142 100
141 91.6 73.6 110.4





#10

Acenaphthylene

Concen: 0.068 ng/ul

RT: 13.832 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN034018.D

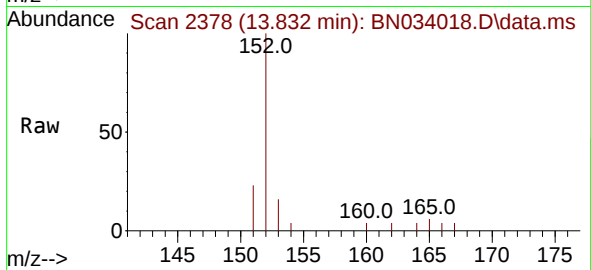
Acq: 17 Sep 2024 12:34

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-06



Tgt Ion:152 Resp: 2769

Ion Ratio Lower Upper

152 100

151 22.6 16.2 24.4

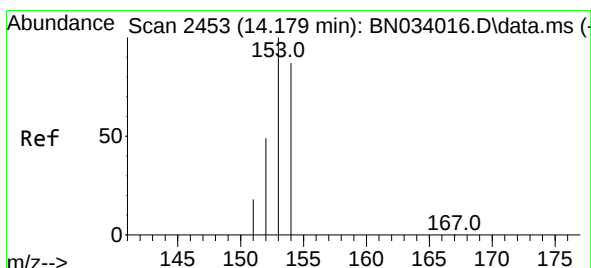
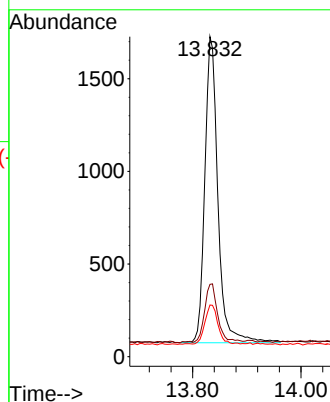
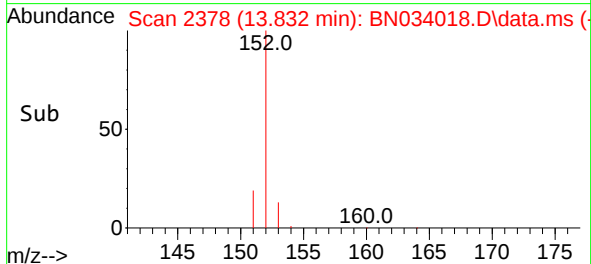
153 16.2 10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/19/2024



#11

Acenaphthene

Concen: 0.077 ng/ul

RT: 14.179 min Scan# 2453

Delta R.T. -0.000 min

Lab File: BN034018.D

Acq: 17 Sep 2024 12:34

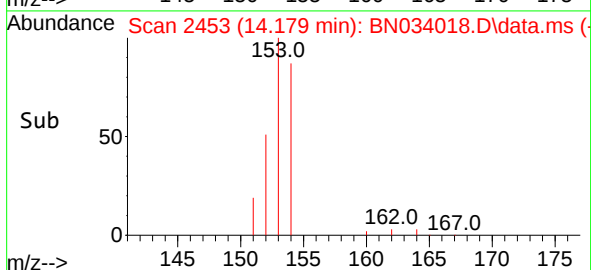
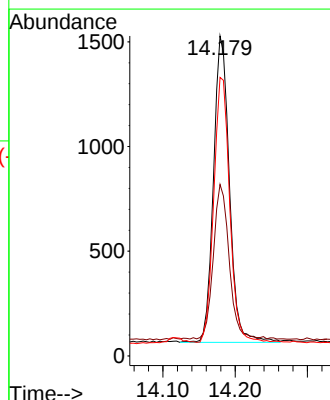
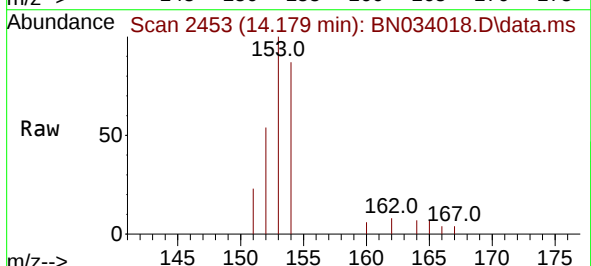
Tgt Ion:153 Resp: 2244

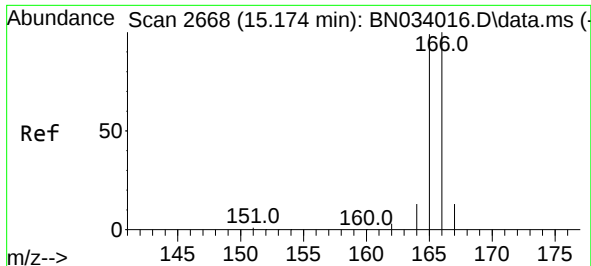
Ion Ratio Lower Upper

153 100

152 53.6 39.8 59.8

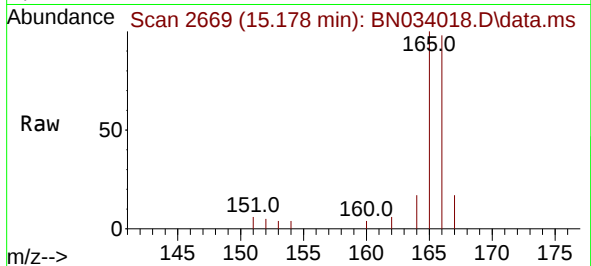
154 87.0 69.0 103.6





#12
Fluorene
Concen: 0.069 ng/ul
RT: 15.178 min Scan# 2668
Delta R.T. 0.005 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

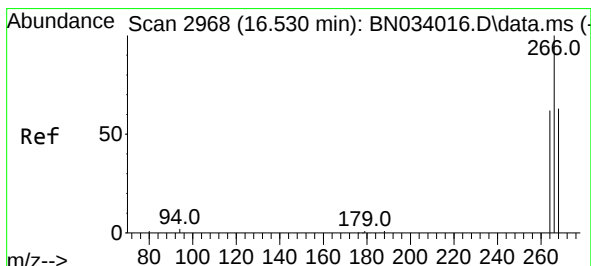
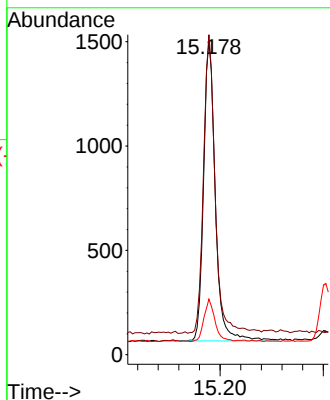
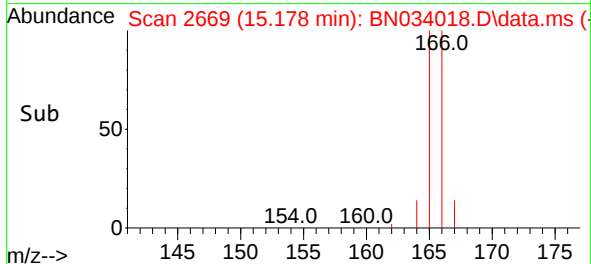
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:166 Resp: 2264
Ion Ratio Lower Upper
166 100
165 102.3 79.1 118.7
167 17.7 11.4 17.0

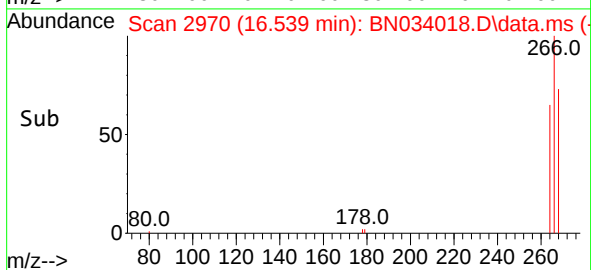
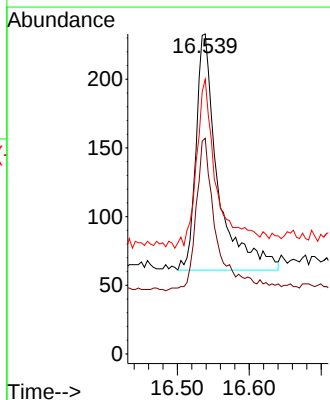
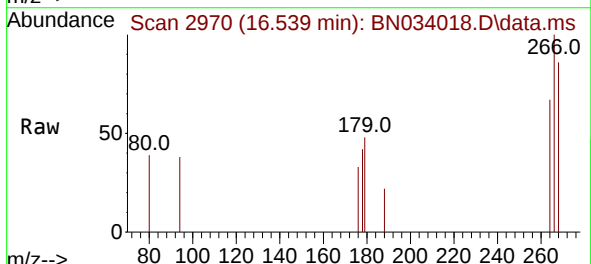
Manual Integrations
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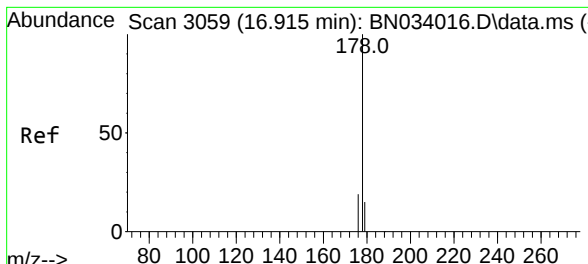
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#14
Pentachlorophenol
Concen: 0.068 ng/ul
RT: 16.539 min Scan# 2970
Delta R.T. 0.008 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

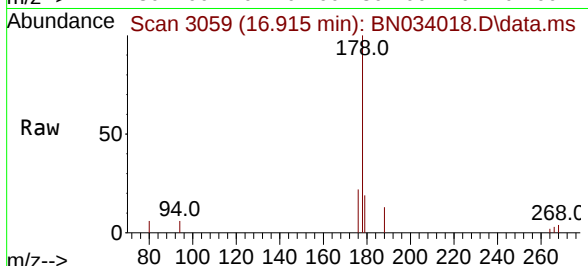
Tgt Ion:266 Resp: 365
Ion Ratio Lower Upper
266 100
264 58.1 50.3 75.5
268 68.2 51.7 77.5





#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 16.915 min Scan# 3059
Delta R.T. -0.000 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

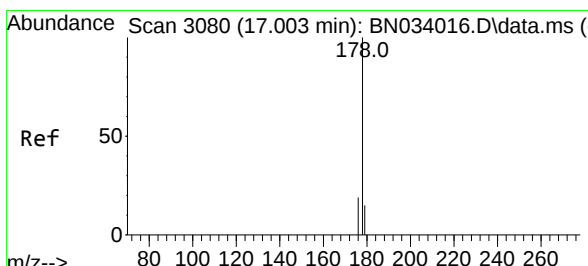
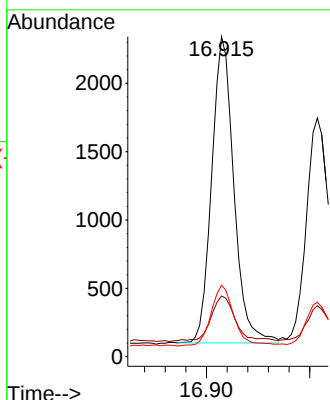
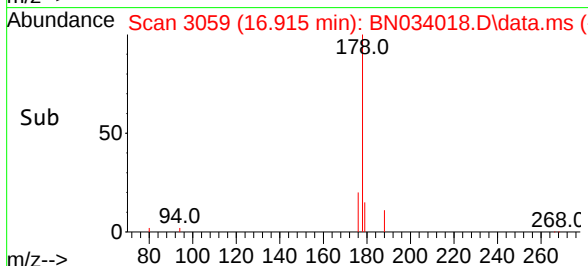
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:178 Resp: 3342
Ion Ratio Lower Upper
178 100
179 19.0 12.9 19.3
176 22.3 15.7 23.5

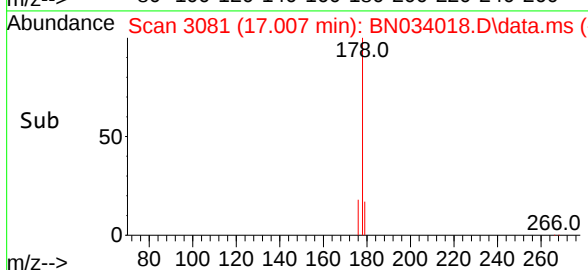
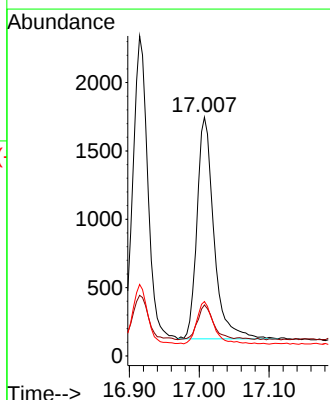
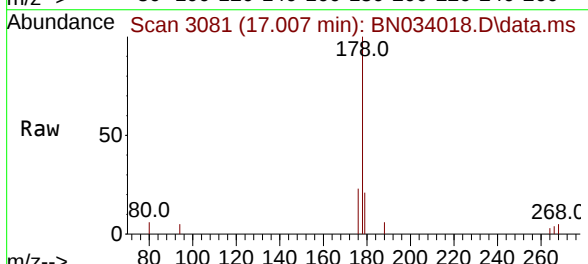
Manual Integrations
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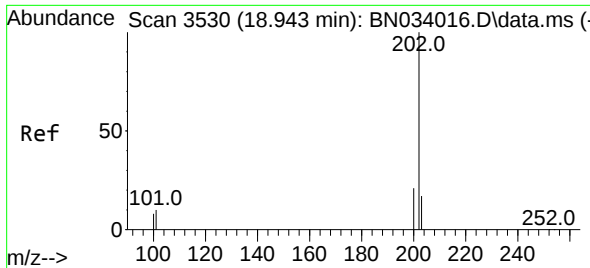
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#16
Anthracene
Concen: 0.060 ng/u1
RT: 17.007 min Scan# 3081
Delta R.T. 0.004 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

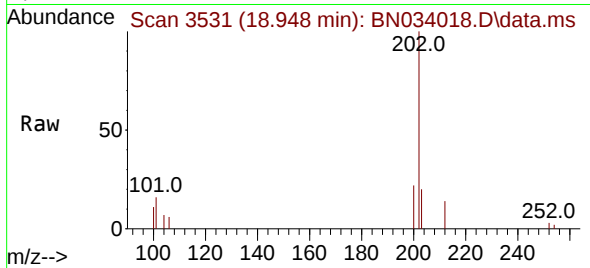
Tgt Ion:178 Resp: 2719
Ion Ratio Lower Upper
178 100
179 21.4 13.0 19.4#
176 22.8 15.2 22.8





#19
Fluoranthene
Concen: 0.077 ng/ul
RT: 18.948 min Scan# 3531
Delta R.T. 0.005 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

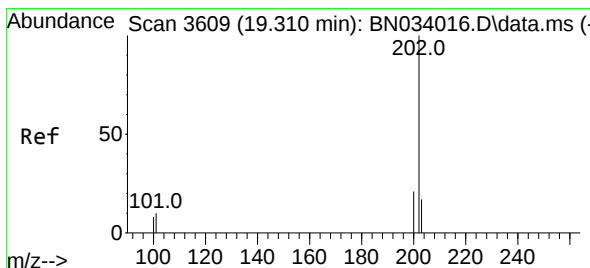
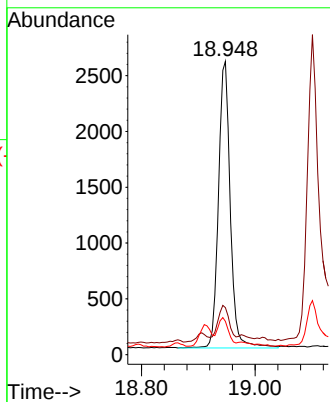
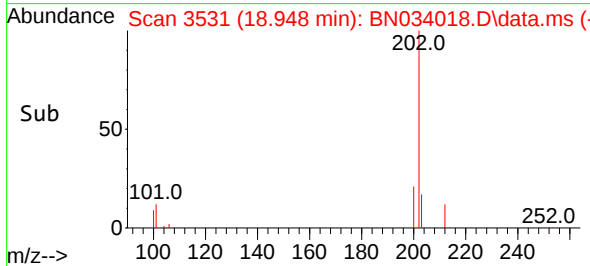
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:202 Resp: 3715
Ion Ratio Lower Upper
202 100
101 16.1 9.0 13.4#
100 11.3 6.7 10.1#

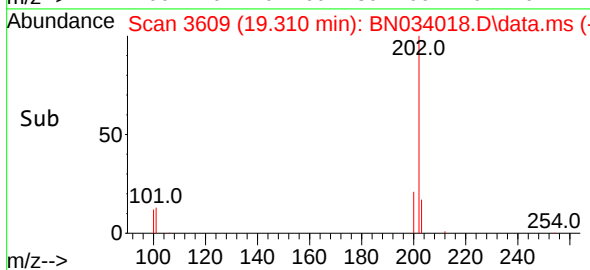
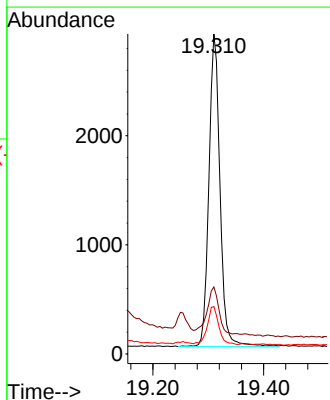
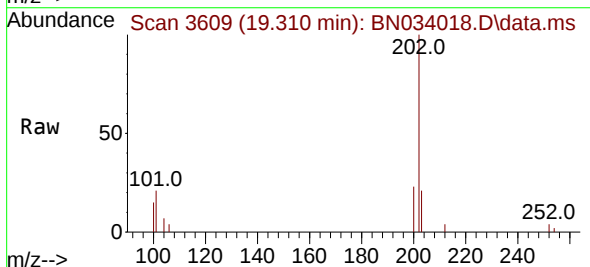
Manual Integrations
APPROVED

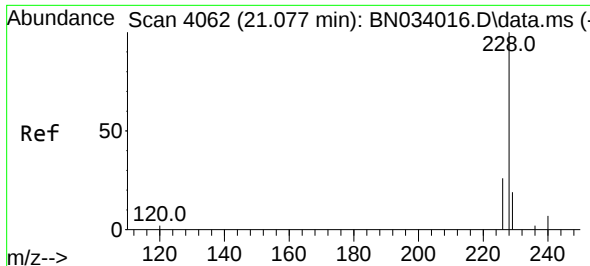
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#20
Pyrene
Concen: 0.079 ng/ul
RT: 19.310 min Scan# 3609
Delta R.T. -0.000 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

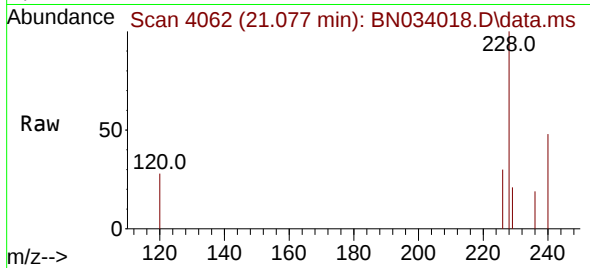
Tgt Ion:202 Resp: 4010
Ion Ratio Lower Upper
202 100
101 20.9 10.8 16.2#
100 14.8 8.7 13.1#





#21
Benzo(a)anthracene
Concen: 0.063 ng/ul
RT: 21.077 min Scan# 4062
Delta R.T. -0.000 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

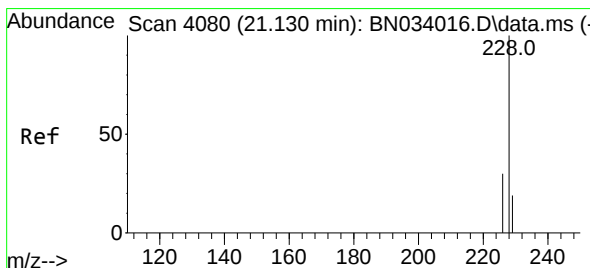
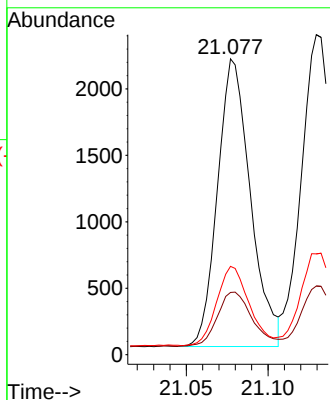
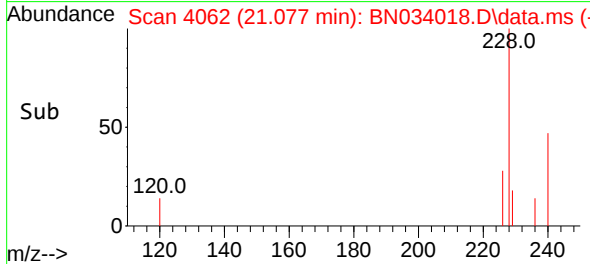
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:228 Resp: 3030
Ion Ratio Lower Upper
228 100
229 21.0 15.4 23.2
226 29.9 22.1 33.1

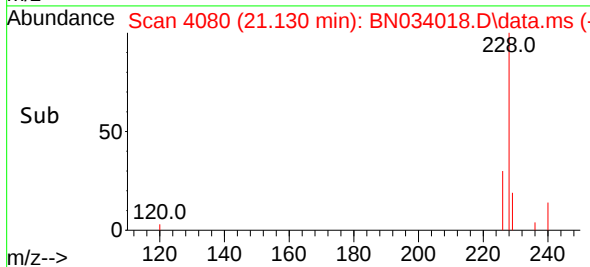
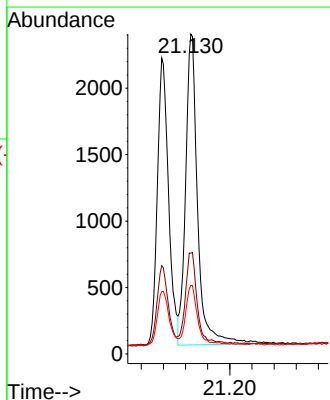
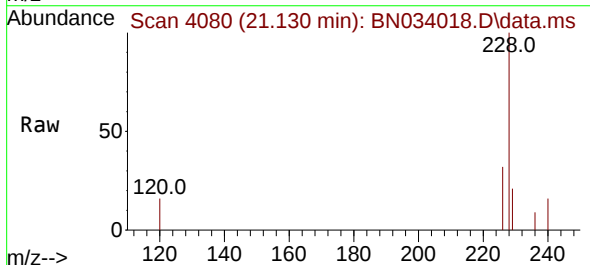
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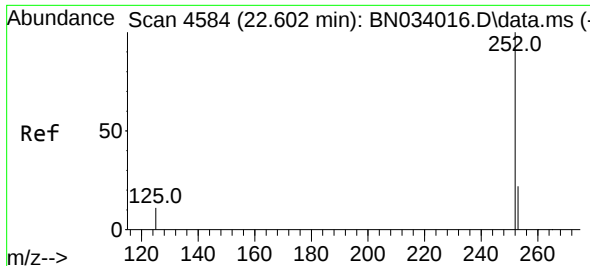
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#22
Chrysene
Concen: 0.073 ng/ul
RT: 21.130 min Scan# 4080
Delta R.T. -0.000 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

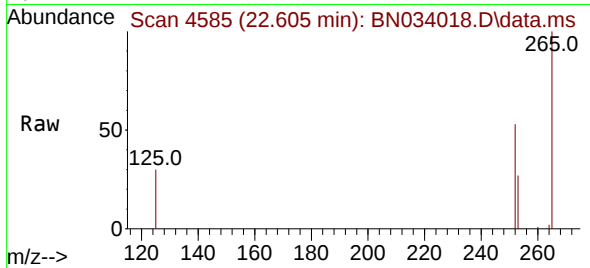
Tgt Ion:228 Resp: 3534
Ion Ratio Lower Upper
228 100
226 31.5 24.2 36.2
229 21.5 15.6 23.4





#24
Benzo(b)fluoranthene
Concen: 0.083 ng/ul
RT: 22.605 min Scan# 4585
Delta R.T. 0.003 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

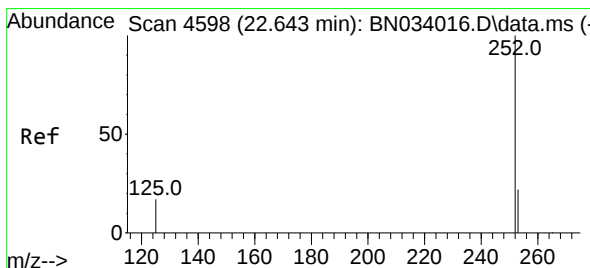
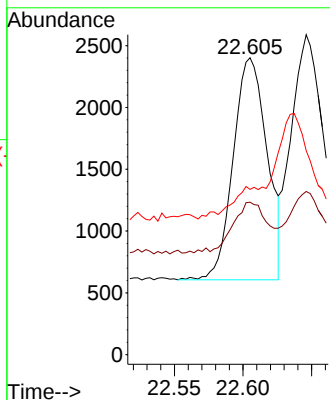
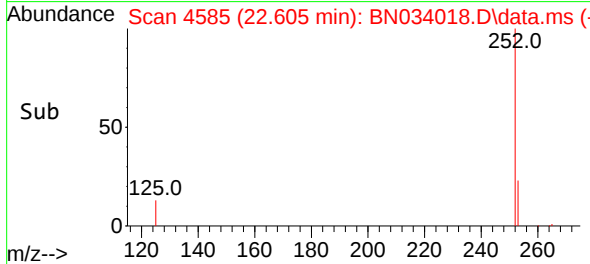
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



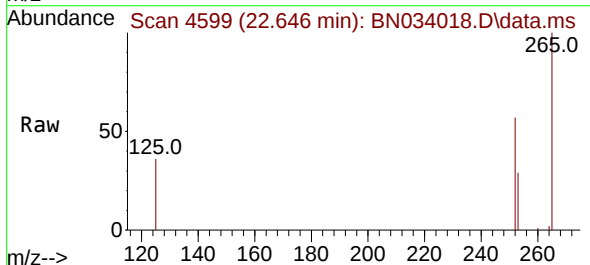
Tgt Ion:252 Resp: 3082
Ion Ratio Lower Upper
252 100
253 51.3 0.0 52.8
125 55.6 0.0 36.4

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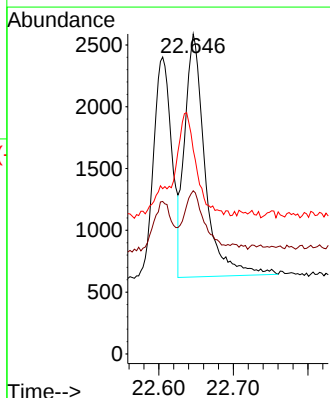
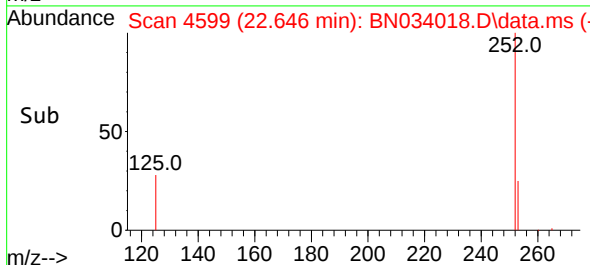
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024

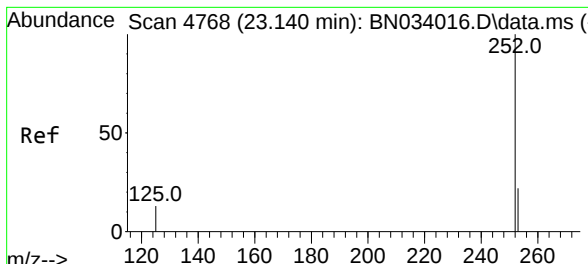


#25
Benzo(k)fluoranthene
Concen: 0.100 ng/ul
RT: 22.646 min Scan# 4599
Delta R.T. 0.003 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34



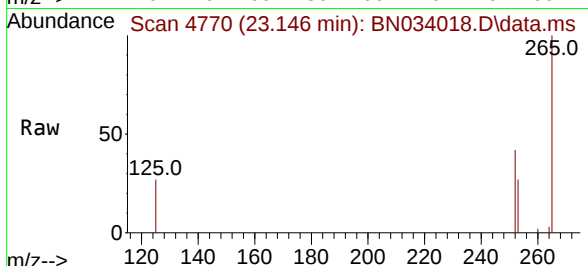
Tgt Ion:252 Resp: 3732
Ion Ratio Lower Upper
252 100
253 51.0 21.4 32.0#
125 63.7 15.1 22.7#





#26
Benzo(a)pyrene
Concen: 0.073 ng/u1
RT: 23.146 min Scan# 4768
Delta R.T. 0.006 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06

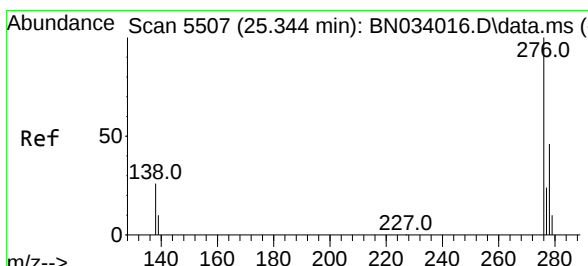
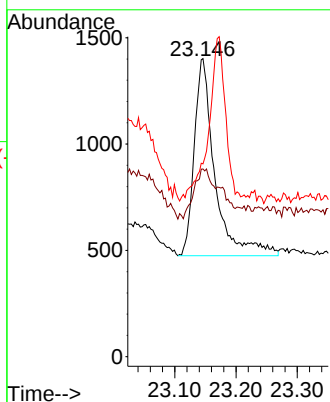
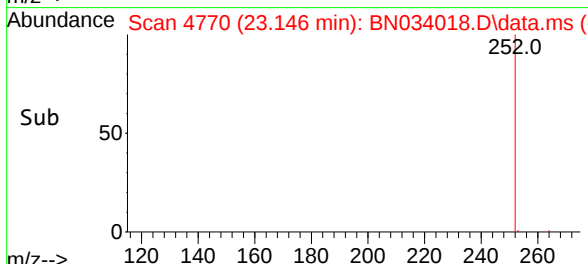


Tgt Ion:252 Resp: 2169

Ion	Ratio	Lower	Upper
252	100		
253	63.0	22.8	34.2
125	64.7	18.0	27.0

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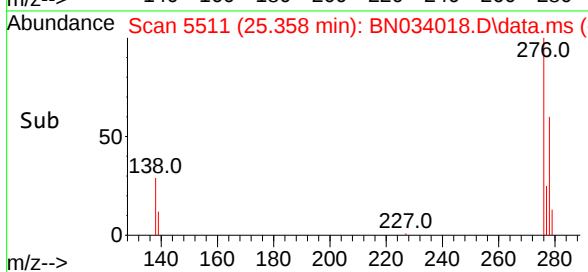
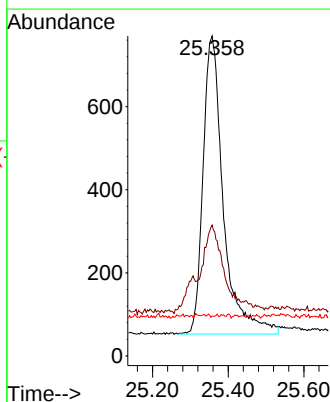
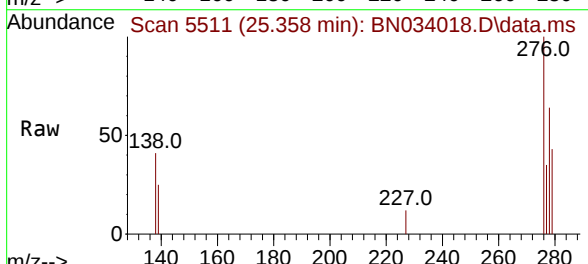
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024

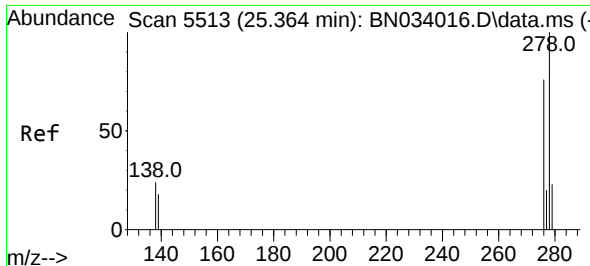


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/u1
RT: 25.358 min Scan# 5511
Delta R.T. 0.013 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

Tgt Ion:276 Resp: 2666

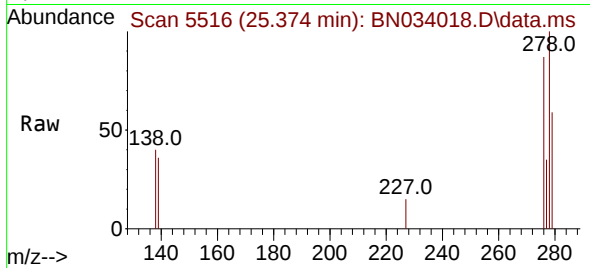
Ion	Ratio	Lower	Upper
276	100		
138	27.0	22.3	33.5
227	0.2	0.2	0.4





#28
Dibenzo(a,h)anthracene
Concen: 0.060 ng/ul
RT: 25.374 min Scan# 5102
Delta R.T. 0.010 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34

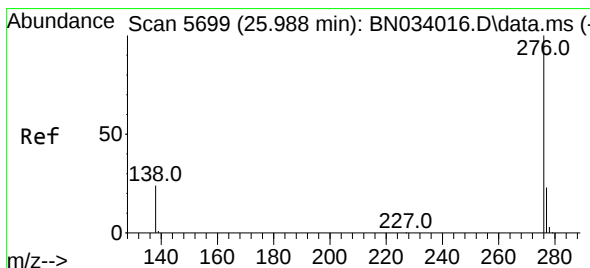
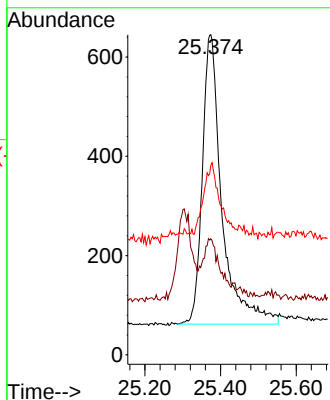
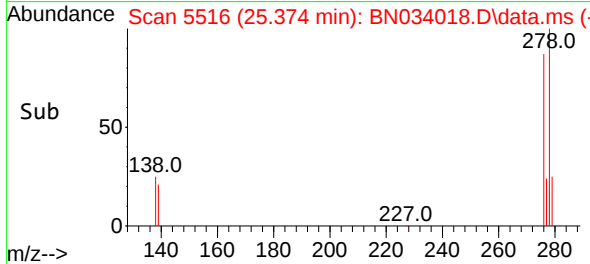
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-06



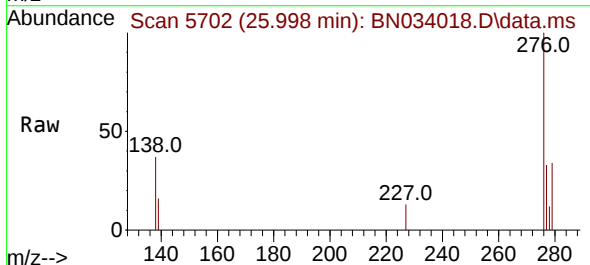
Tgt Ion: 278 Resp: 2098
Ion Ratio Lower Upper
278 100
139 36.3 17.3 25.9#
279 59.2 21.5 32.3#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/19/2024



#29
Benzo(g,h,i)perylene
Concen: 0.065 ng/ul
RT: 25.998 min Scan# 5702
Delta R.T. 0.010 min
Lab File: BN034018.D
Acq: 17 Sep 2024 12:34



Tgt Ion: 276 Resp: 2288
Ion Ratio Lower Upper
276 100
138 37.3 20.8 31.2#
277 33.2 20.2 30.4#

