

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101923\
 Data File : BN028331.D
 Acq On : 19 Oct 2023 16:15
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-SIM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 19 16:41:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 16:16:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.895	152	2939	0.400	ng/ul	0.00
4) Naphthalene-d8	10.724	136	10075	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.546	164	6185	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.308	188	13421	0.400	ng/ul	0.00
17) Chrysene-d12	21.495	240	11947	0.400	ng/ul	0.00
23) Perylene-d12	23.942	264	10632	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.263	96	1666	0.451	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.313	152	5730	0.353	ng/ul	0.01
18) Fluoranthene-d10	19.329	212	15405	0.406	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.300	88	452m	0.116	ng/ul	
5) Naphthalene	10.773	128	1960	0.069	ng/ul#	82
7) 2-Methylnaphthalene	12.390	142	1184	0.066	ng/ul	97
8) 1-Methylnaphthalene	12.599	142	1241	0.066	ng/ul	100
10) Acenaphthylene	14.277	152	1796	0.064	ng/ul#	83
11) Acenaphthene	14.606	153	1517	0.068	ng/ul	97
12) Fluorene	15.610	166	1736	0.070	ng/ul#	94
14) Pentachlorophenol	16.966	266	201	0.070	ng/ul#	87
15) Phenanthrene	17.350	178	2895	0.072	ng/ul#	88
16) Anthracene	17.451	178	2296	0.064	ng/ul#	84
19) Fluoranthene	19.362	202	3395	0.074	ng/ul#	94
20) Pyrene	19.729	202	3495	0.074	ng/ul#	93
21) Benzo(a)anthracene	21.481	228	2966	0.068	ng/ul	95
22) Chrysene	21.533	228	3329	0.076	ng/ul	95
24) Benzo(b)fluoranthene	23.191	252	3047	0.077	ng/ul#	63
25) Benzo(k)fluoranthene	23.237	252	2951	0.075	ng/ul#	65
26) Benzo(a)pyrene	23.840	252	2479	0.074	ng/ul#	50
27) Indeno(1,2,3-cd)pyrene	26.526	276	2989	0.073	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.546	278	2406	0.073	ng/ul#	53
29) Benzo(g,h,i)perylene	27.327	276	2533	0.076	ng/ul#	81

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

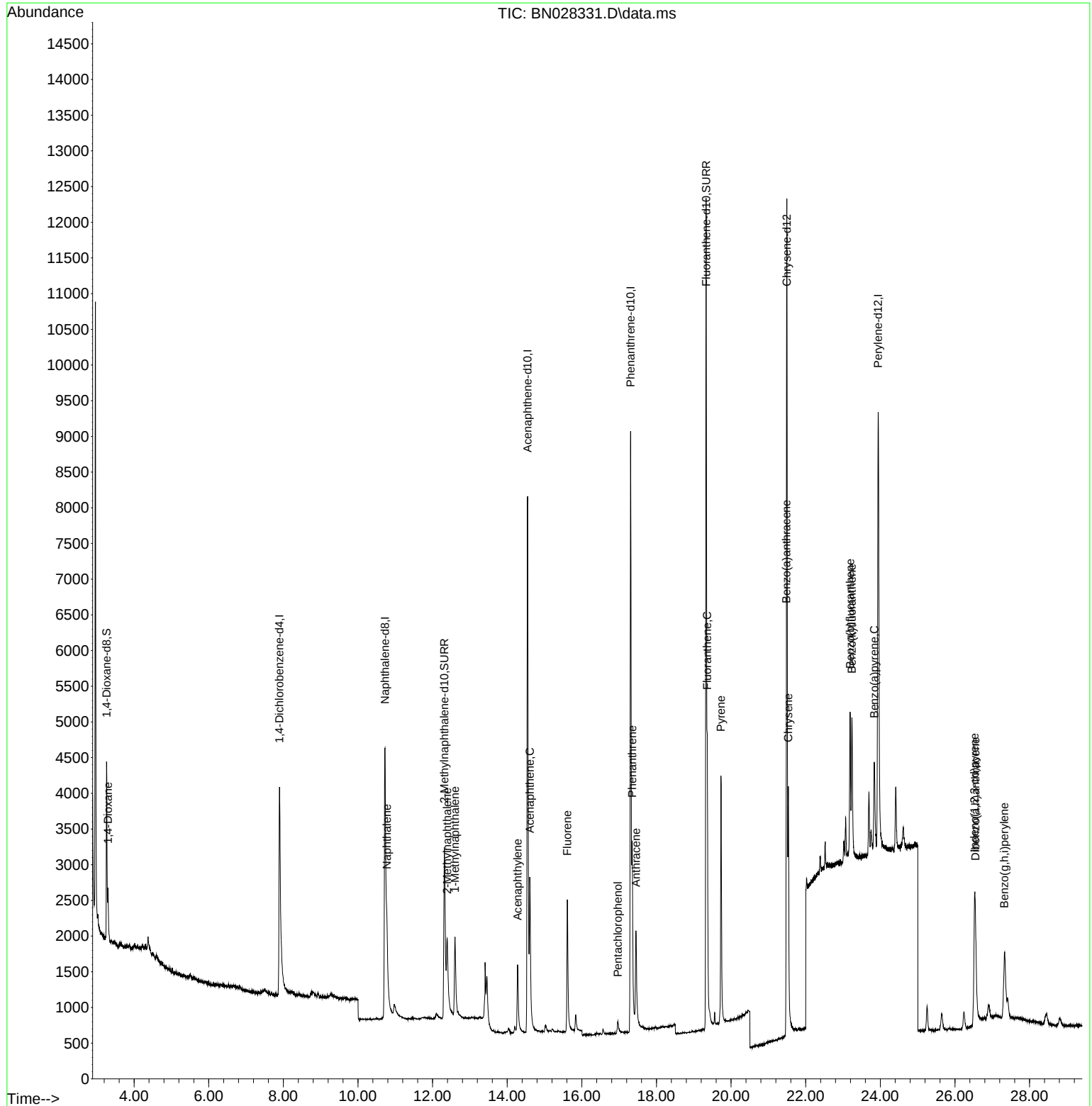
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101923\
Data File : BN028331.D
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ALS Vial : 6 Sample Multiplier: 1

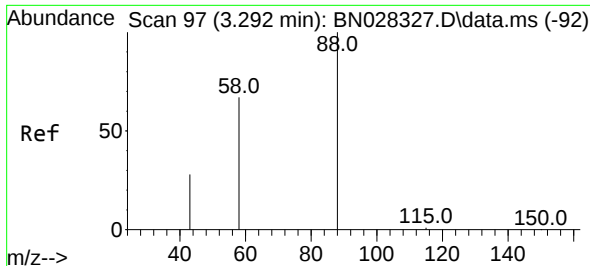
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07

Quant Time: Oct 19 16:41:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

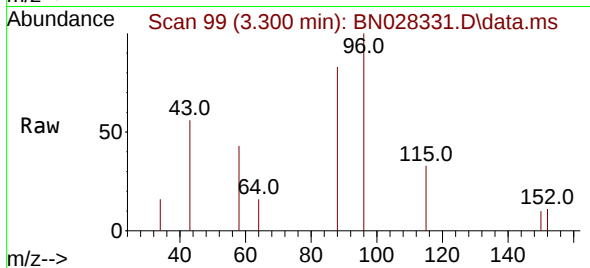
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023





#2
1,4-Dioxane
Concen: 0.116 ng/ul m
RT: 3.300 min Scan# 99
Delta R.T. -0.000 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

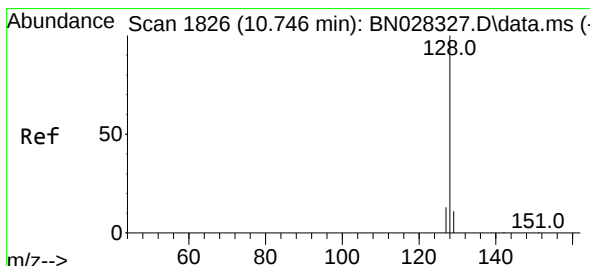
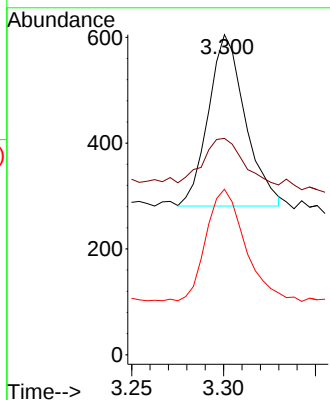
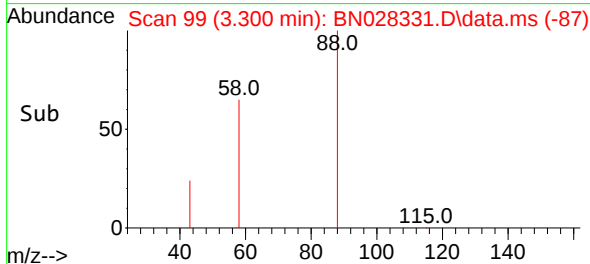
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



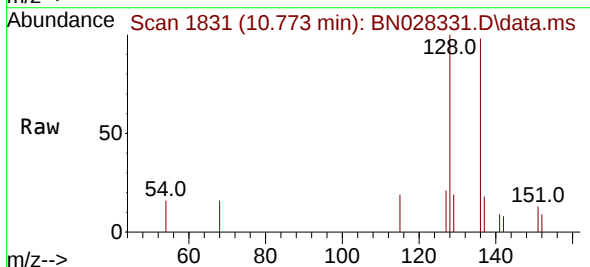
Tgt Ion: 88 Resp: 452
Ion Ratio Lower Upper
88 100
43 67.6 33.4 50.2#
58 51.7 45.7 68.5#

Manual Integrations
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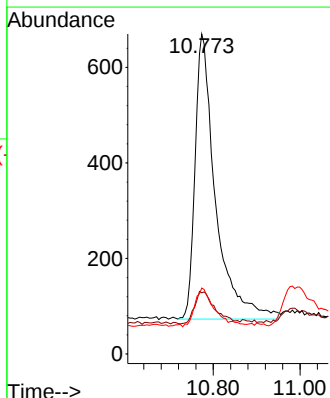
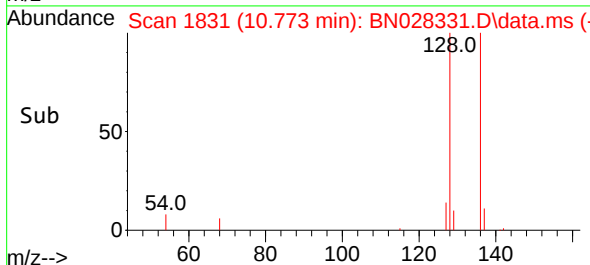
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023

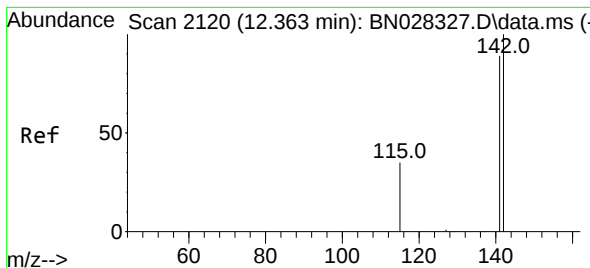


#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.773 min Scan# 1831
Delta R.T. 0.011 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15



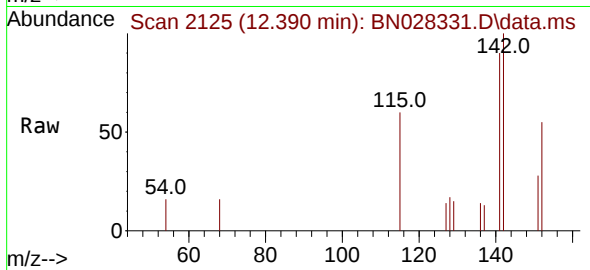
Tgt Ion:128 Resp: 1960
Ion Ratio Lower Upper
128 100
129 19.1 9.4 14.0#
127 20.6 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.390 min Scan# 2118
Delta R.T. 0.011 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

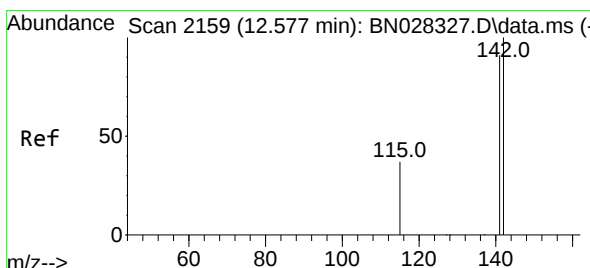
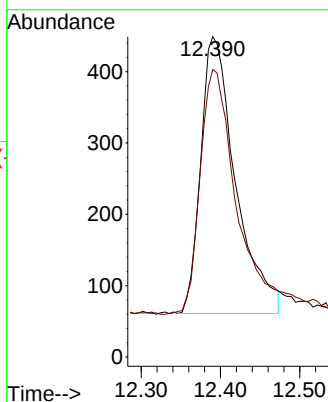
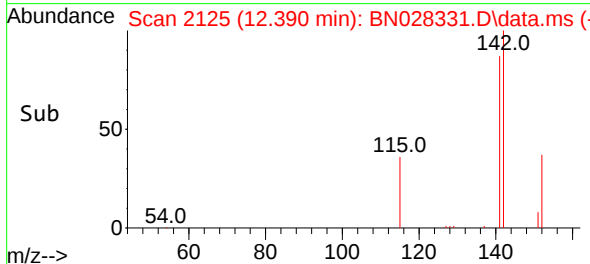
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



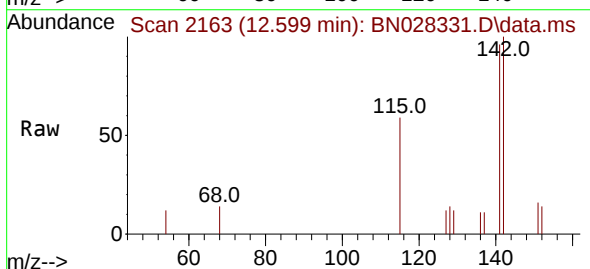
Tgt Ion:142 Resp: 1184
Ion Ratio Lower Upper
142 100
141 91.4 70.9 106.3

Manual Integrations
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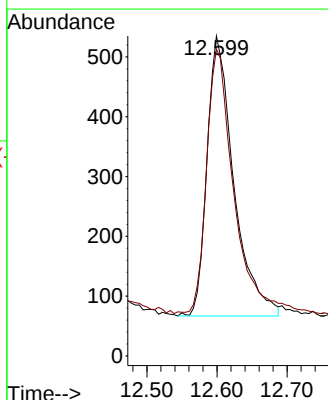
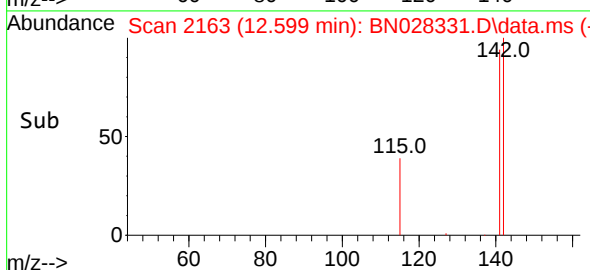
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023

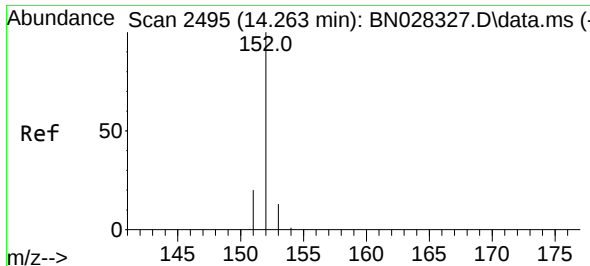


#8
1-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.599 min Scan# 2163
Delta R.T. 0.005 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15



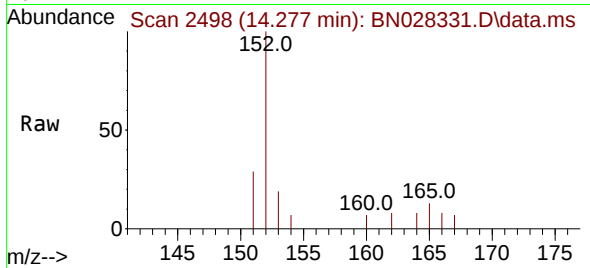
Tgt Ion:142 Resp: 1241
Ion Ratio Lower Upper
142 100
141 92.8 74.4 111.6





#10
Acenaphthylene
Concen: 0.064 ng/ul
RT: 14.277 min Scan# 2498
Delta R.T. 0.005 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

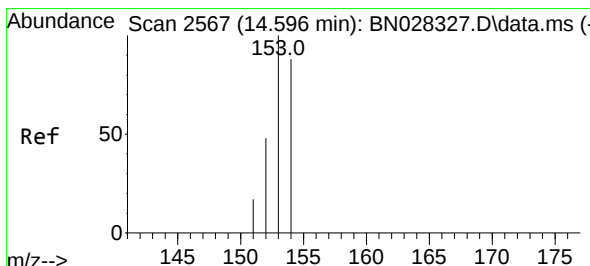
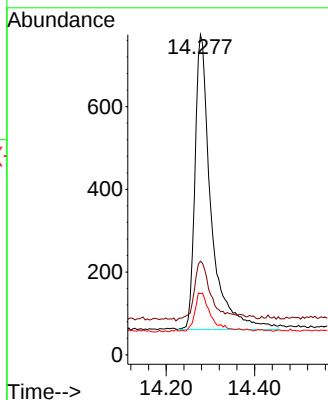
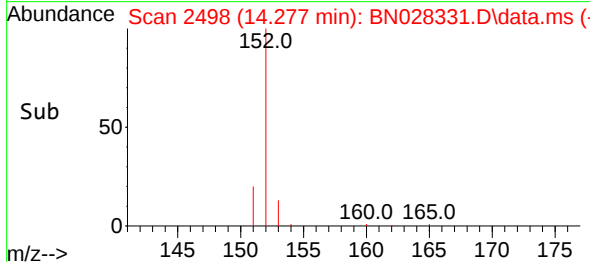
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



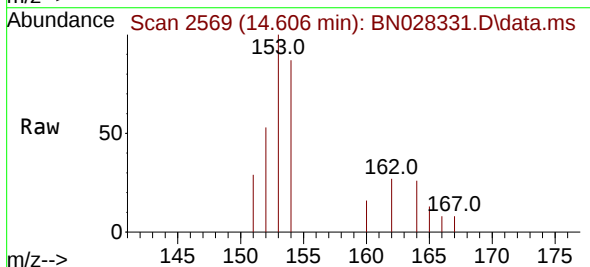
Tgt Ion:152 Resp: 1790
Ion Ratio Lower Upper
152 100
151 29.2 16.4 24.6
153 19.1 10.9 16.3

Manual Integrations
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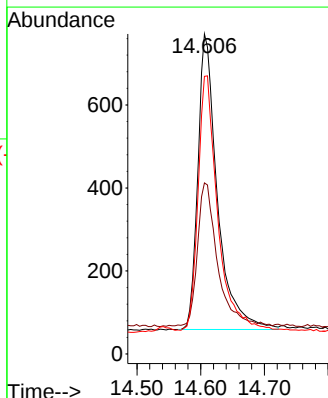
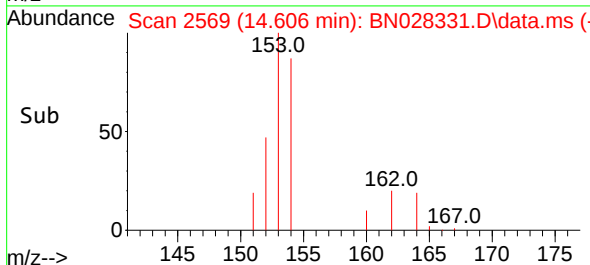
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023

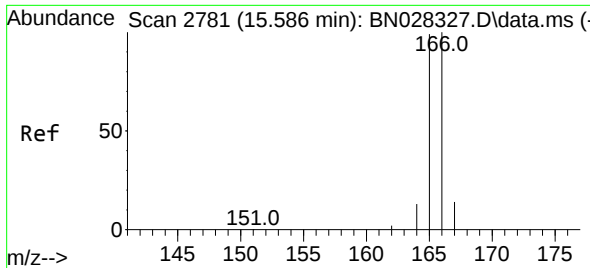


#11
Acenaphthene
Concen: 0.068 ng/ul
RT: 14.606 min Scan# 2569
Delta R.T. -0.000 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15



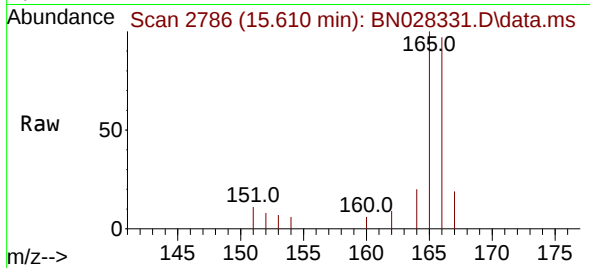
Tgt Ion:153 Resp: 1517
Ion Ratio Lower Upper
153 100
152 53.4 39.4 59.0
154 86.8 70.2 105.4





#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.610 min Scan# 2786
Delta R.T. 0.009 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

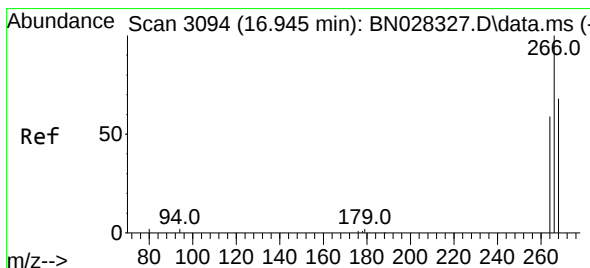
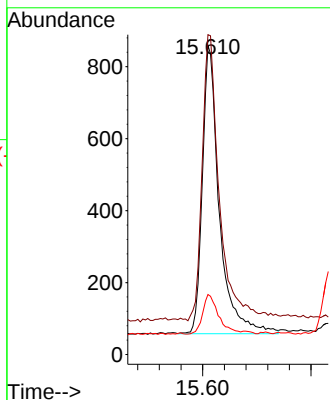
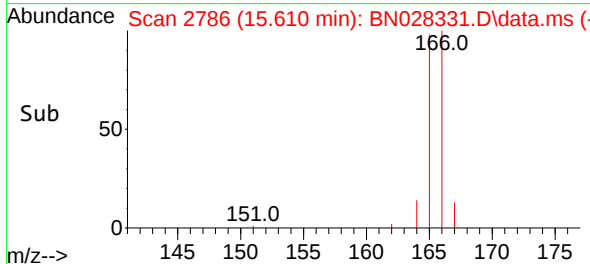
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:166 Resp: 1730
Ion Ratio Lower Upper
166 100
165 103.5 78.5 117.7
167 19.4 11.2 16.8

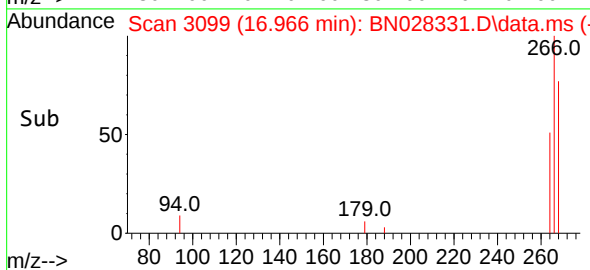
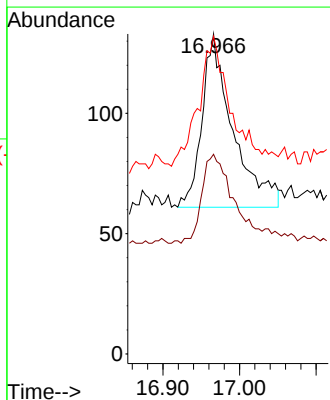
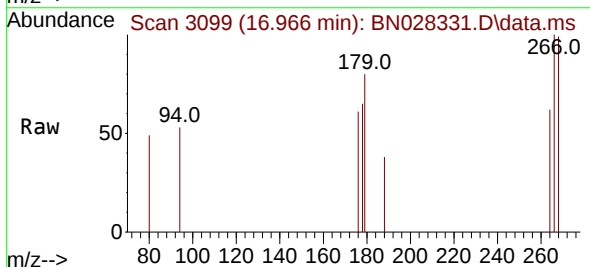
Manual Integrations
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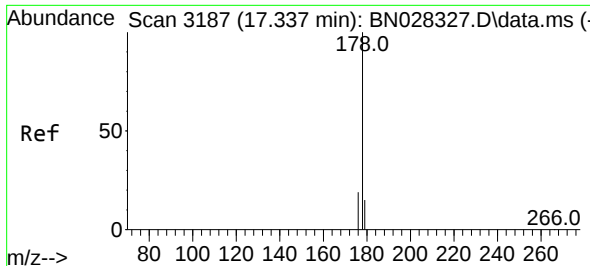
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#14
Pentachlorophenol
Concen: 0.070 ng/ul
RT: 16.966 min Scan# 3099
Delta R.T. 0.005 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

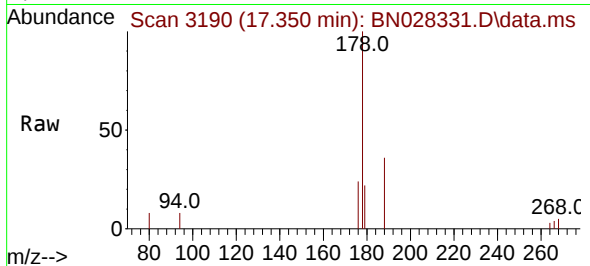
Tgt Ion:266 Resp: 201
Ion Ratio Lower Upper
266 100
264 55.7 49.6 74.4
268 79.6 52.2 78.4





#15
Phenanthrene
Concen: 0.072 ng/u1
RT: 17.350 min Scan# 3187
Delta R.T. 0.005 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

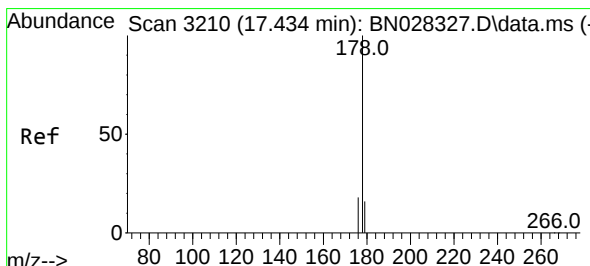
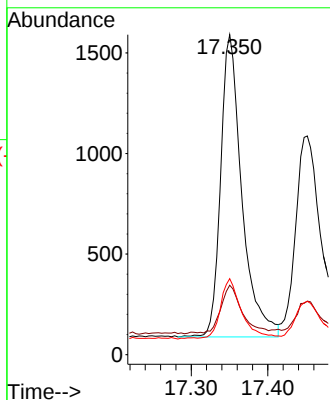
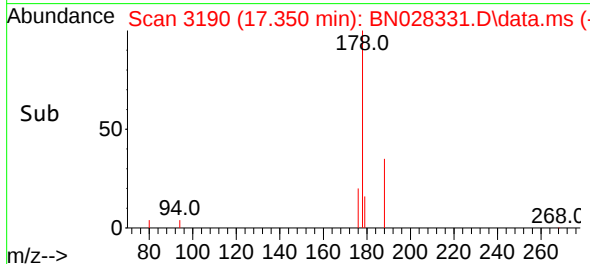
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:178 Resp: 2895
Ion Ratio Lower Upper
178 100
179 21.7 12.6 19.0#
176 23.8 15.5 23.3#

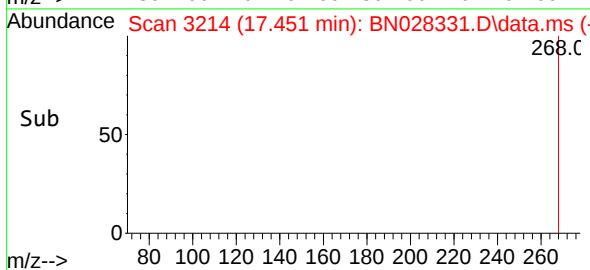
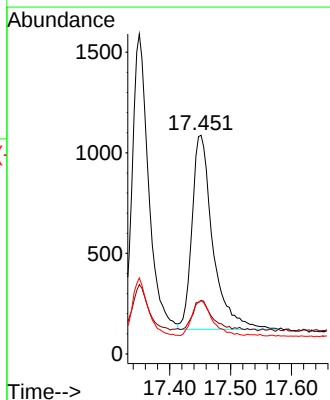
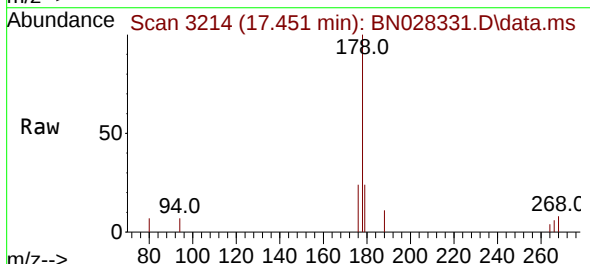
Manual Integrations
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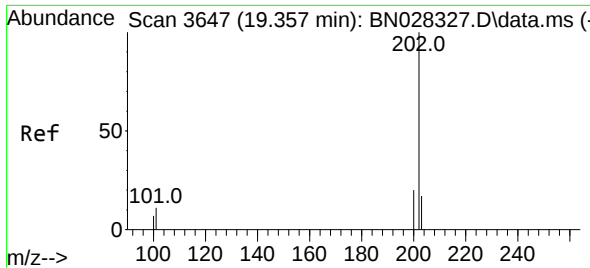
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#16
Anthracene
Concen: 0.064 ng/u1
RT: 17.451 min Scan# 3214
Delta R.T. 0.009 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

Tgt Ion:178 Resp: 2296
Ion Ratio Lower Upper
178 100
179 24.5 12.8 19.2#
176 24.4 15.0 22.6#





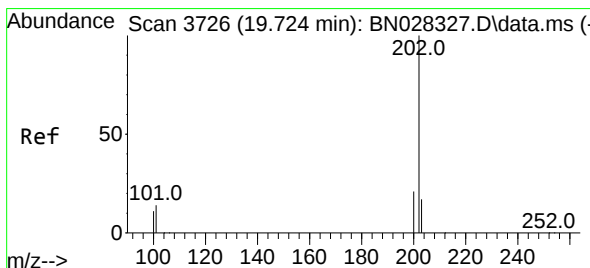
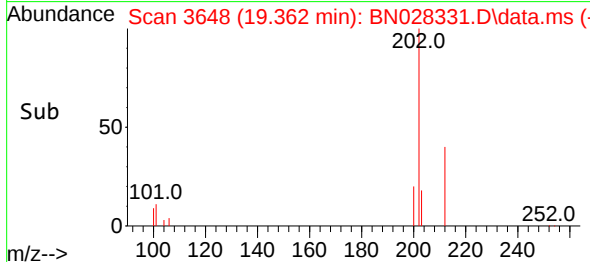
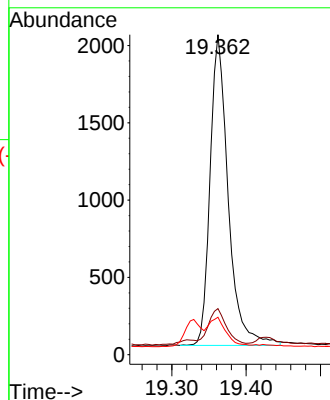
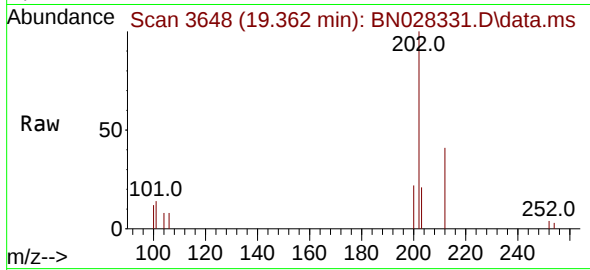
#19
Fluoranthene
Concen: 0.074 ng/ul
RT: 19.362 min Scan# 3648
Delta R.T. -0.004 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:202 Resp: 3395
Ion Ratio Lower Upper
202 100
101 14.4 9.6 14.4
100 11.7 7.4 11.0

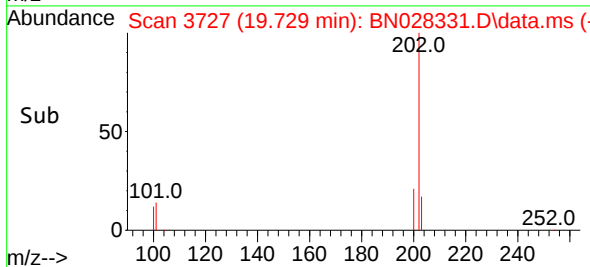
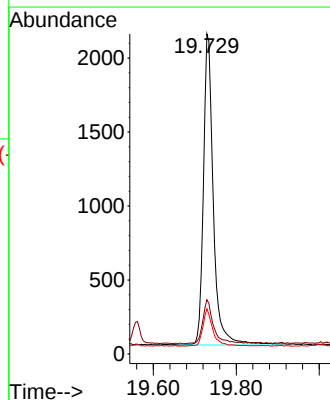
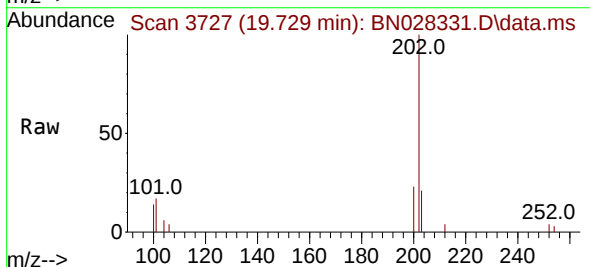
Manual Integrations
APPROVED

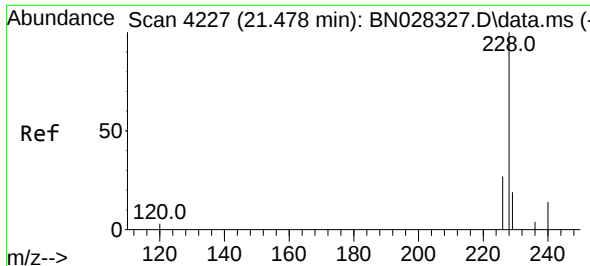
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#20
Pyrene
Concen: 0.074 ng/ul
RT: 19.729 min Scan# 3727
Delta R.T. -0.004 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

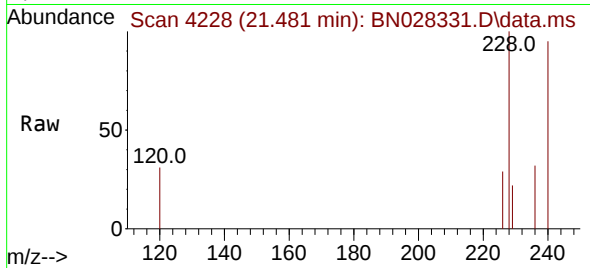
Tgt Ion:202 Resp: 3495
Ion Ratio Lower Upper
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100 14.1 9.1 13.7#





#21
Benzo(a)anthracene
Concen: 0.068 ng/ul
RT: 21.481 min Scan# 4227
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

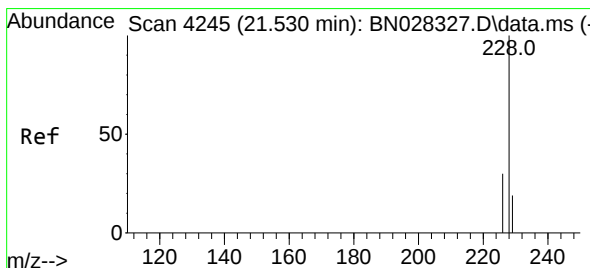
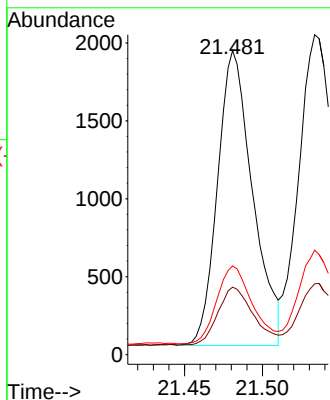
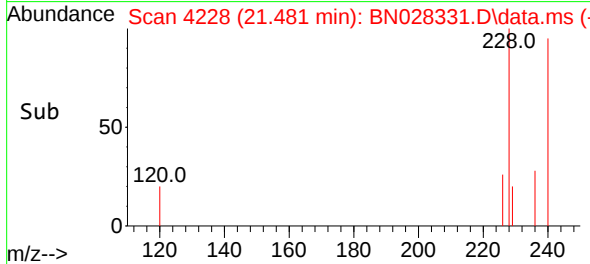
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:228 Resp: 2960
Ion Ratio Lower Upper
228 100
229 22.2 16.0 24.0
226 29.2 21.5 32.3

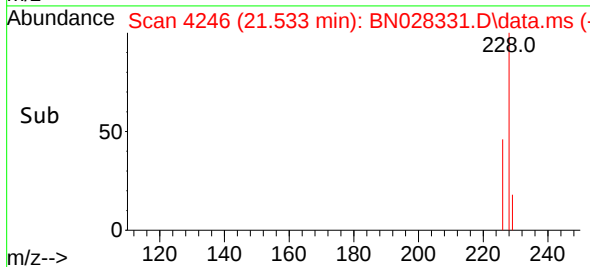
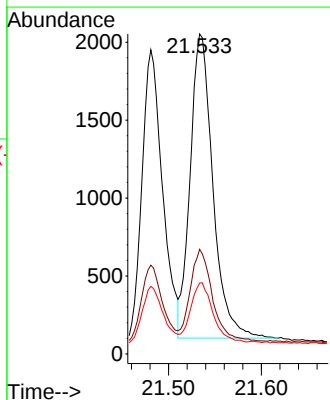
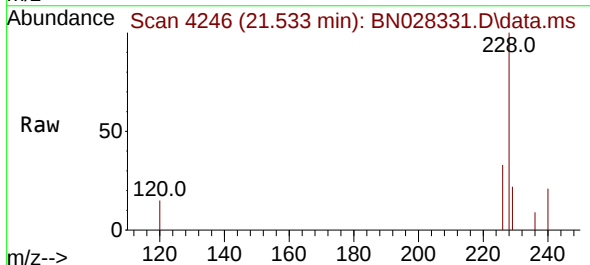
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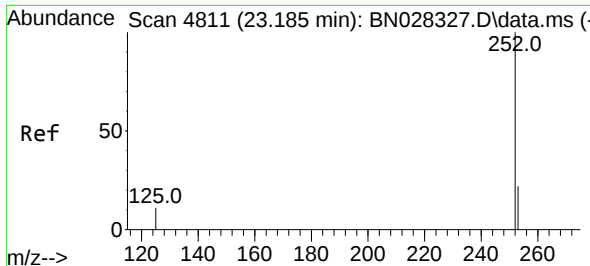
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#22
Chrysene
Concen: 0.076 ng/ul
RT: 21.533 min Scan# 4246
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

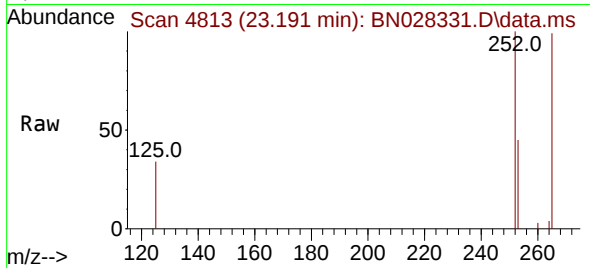
Tgt Ion:228 Resp: 3329
Ion Ratio Lower Upper
228 100
226 32.7 23.8 35.8
229 22.1 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.077 ng/ul
RT: 23.191 min Scan# 4813
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

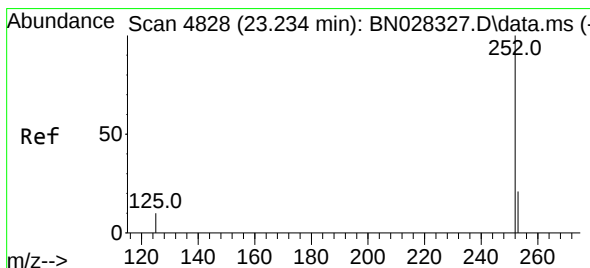
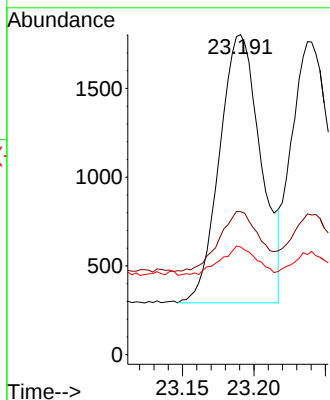
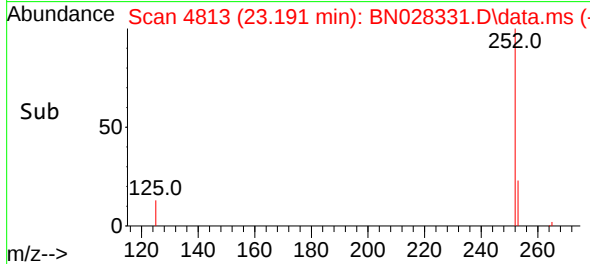
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:252 Resp: 304
Ion Ratio Lower Upper
252 100
253 44.7 0.0 54.0
125 33.7 0.0 31.4

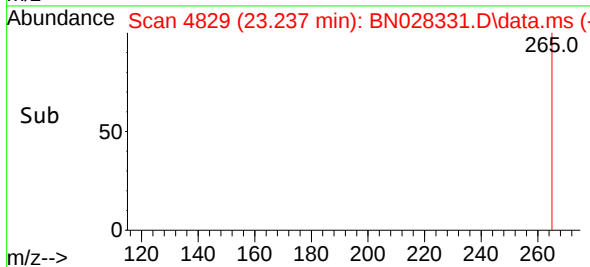
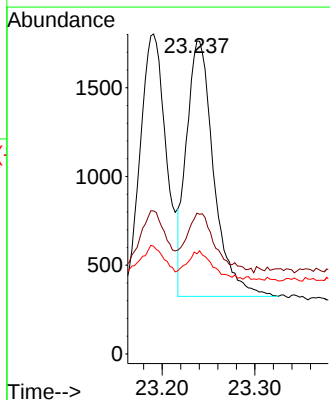
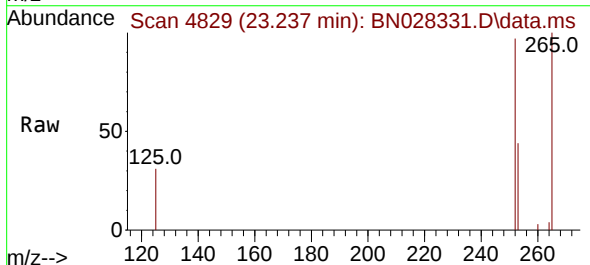
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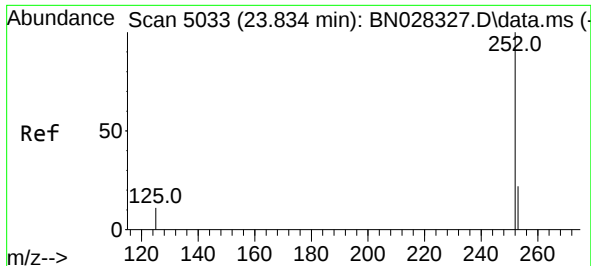
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#25
Benzo(k)fluoranthene
Concen: 0.075 ng/ul
RT: 23.237 min Scan# 4829
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

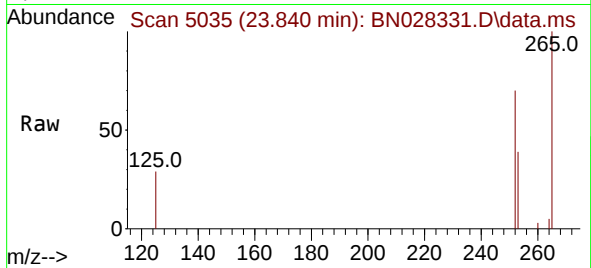
Tgt Ion:252 Resp: 2951
Ion Ratio Lower Upper
252 100
253 45.0 21.8 32.8#
125 32.0 12.8 19.2#





#26
Benzo(a)pyrene
Concen: 0.074 ng/ul
RT: 23.840 min Scan# 5033
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

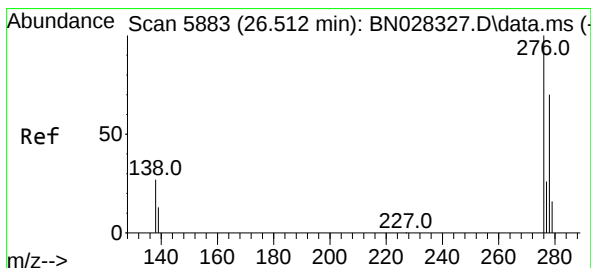
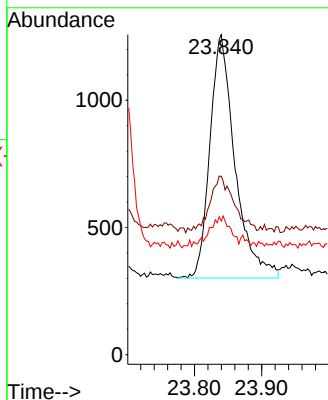
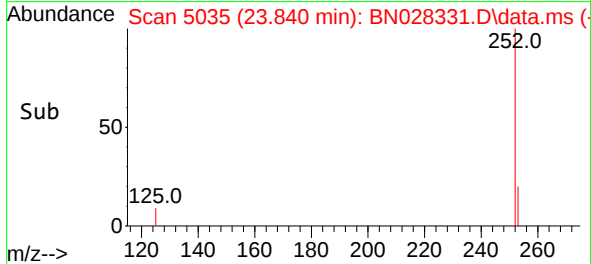
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:252 Resp: 2479
Ion Ratio Lower Upper
252 100
253 55.7 23.4 35.2
125 41.7 15.3 22.9

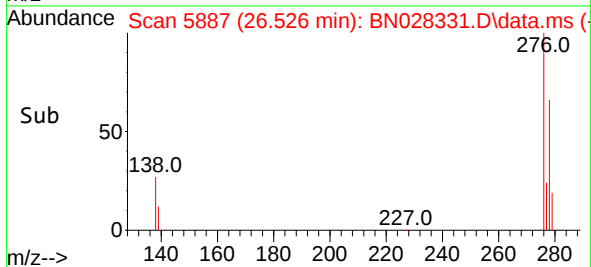
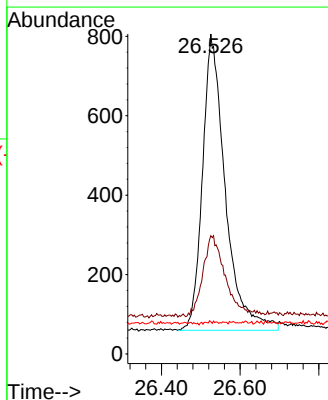
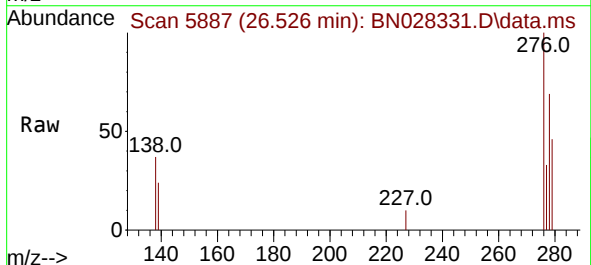
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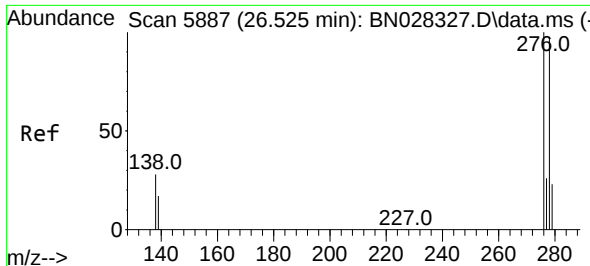
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 26.526 min Scan# 5887
Delta R.T. 0.000 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

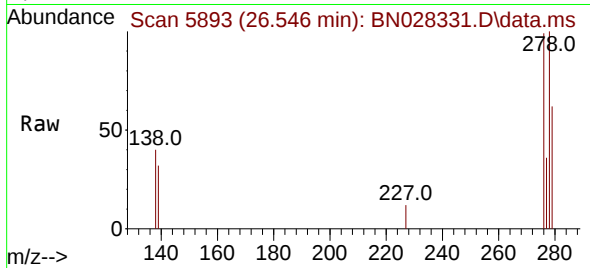
Tgt Ion:276 Resp: 2989
Ion Ratio Lower Upper
276 100
138 27.5 21.6 32.4
227 0.1 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.073 ng/ul
RT: 26.546 min Scan# 5893
Delta R.T. 0.000 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

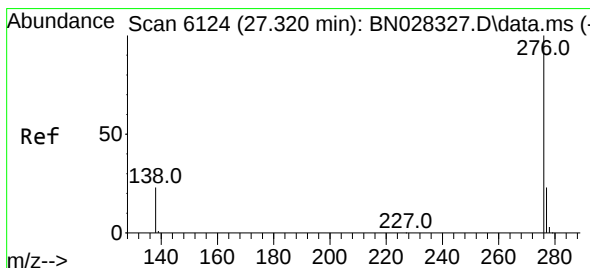
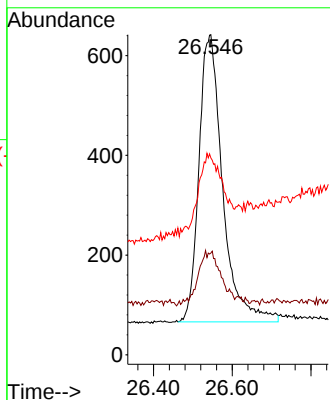
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:278 Resp: 2400
Ion Ratio Lower Upper
278 100
139 31.8 15.9 23.9#
279 61.5 22.8 34.2#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/21/2023



#29
Benzo(g,h,i)perylene
Concen: 0.076 ng/ul
RT: 27.327 min Scan# 6126
Delta R.T. -0.003 min
Lab File: BN028331.D
Acq: 19 Oct 2023 16:15

Tgt Ion:276 Resp: 2533
Ion Ratio Lower Upper
276 100
138 35.1 19.8 29.6#
277 34.6 20.6 31.0#

