

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
 Data File : BN028322.D
 Acq On : 18 Oct 2023 13:48
 Operator : MA/JU
 Sample : 03573-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Quant Time: Oct 18 14:18:08 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 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.891	152	2090	0.400	ng/ul	0.00
4) Naphthalene-d8	10.724	136	6898	0.400	ng/ul #	0.01
9) Acenaphthene-d10	14.546	164	3979	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.308	188	8661	0.400	ng/ul	0.00
17) Chrysene-d12	21.498	240	9246	0.400	ng/ul	0.00
23) Perylene-d12	23.945	264	10040	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.262	96	1194	0.455	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.319	152	3793	0.341	ng/ul	0.02
18) Fluoranthene-d10	19.334	212	10852	0.370	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.300	88	250m	0.090	ng/ul	
5) Naphthalene	10.779	128	1337	0.068	ng/ul#	74
7) 2-Methylnaphthalene	12.396	142	778	0.063	ng/ul	97
8) 1-Methylnaphthalene	12.605	142	835	0.065	ng/ul	99
10) Acenaphthylene	14.282	152	1284	0.071	ng/ul#	83
11) Acenaphthene	14.610	153	1025	0.071	ng/ul	97
12) Fluorene	15.614	166	1133	0.071	ng/ul#	95
14) Pentachlorophenol	16.966	266	177	0.095	ng/ul#	76
15) Phenanthrene	17.350	178	1869	0.072	ng/ul#	87
16) Anthracene	17.455	178	1522	0.066	ng/ul#	84
19) Fluoranthene	19.362	202	2335	0.066	ng/ul#	90
20) Pyrene	19.733	202	2394	0.065	ng/ul#	92
21) Benzo(a)anthracene	21.483	228	2270	0.067	ng/ul	93
22) Chrysene	21.536	228	2465	0.072	ng/ul	93
24) Benzo(b)fluoranthene	23.193	252	2687	0.072	ng/ul#	60
25) Benzo(k)fluoranthene	23.240	252	2728	0.074	ng/ul#	60
26) Benzo(a)pyrene	23.839	252	2355	0.074	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	26.532	276	3143	0.082	ng/ul#	48
28) Dibenzo(a,h)anthracene	26.545	278	2560	0.082	ng/ul#	68
29) Benzo(g,h,i)perylene	27.333	276	2779	0.088	ng/ul#	84

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

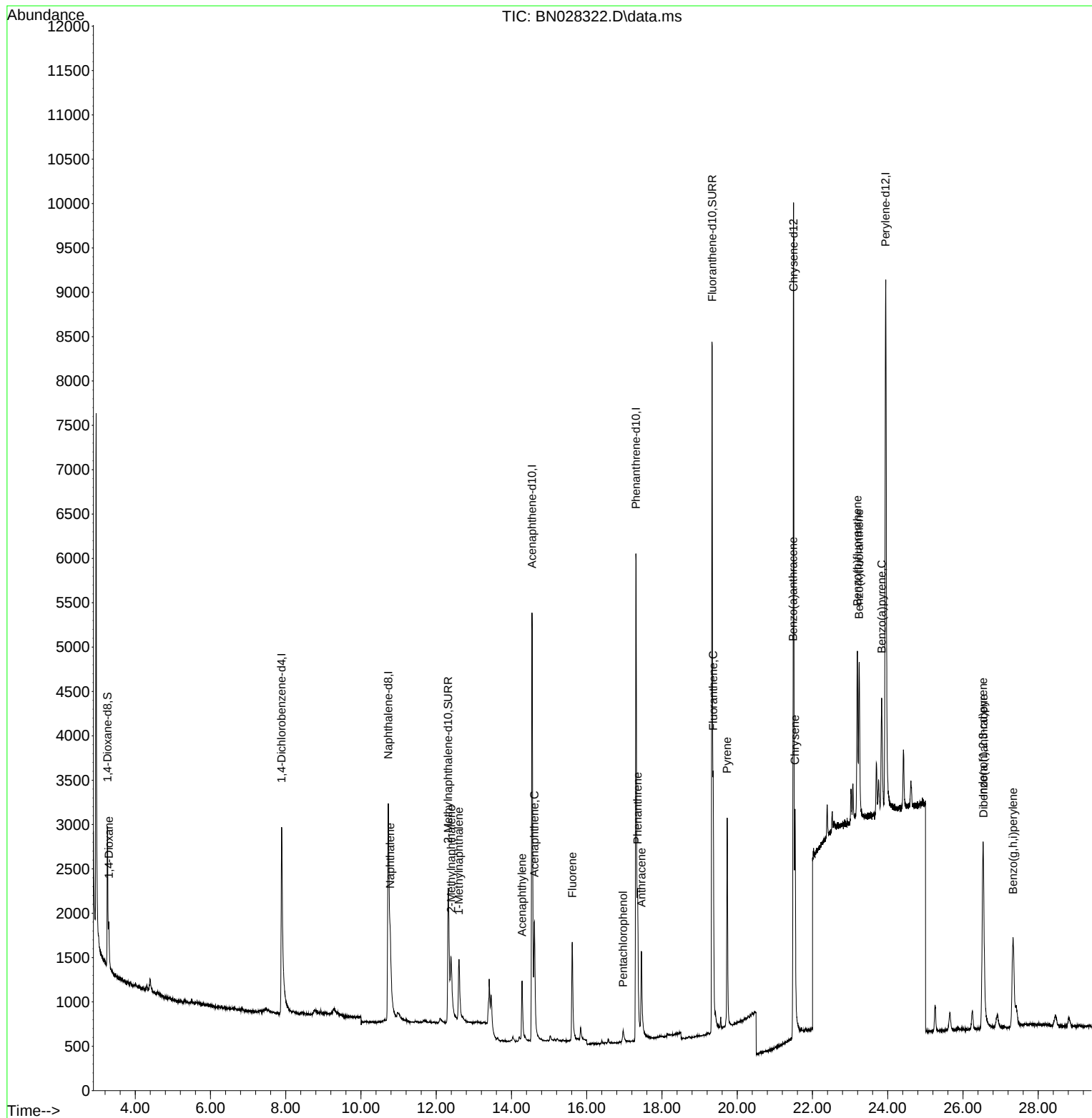
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101823\
Data File : BN028322.D
Acq On : 18 Oct 2023 13:48
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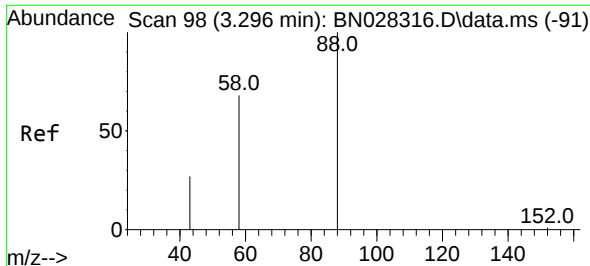
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06

Quant Time: Oct 18 14:18:08 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

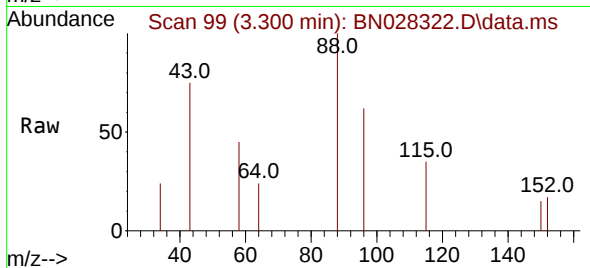
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#2
1,4-Dioxane
Concen: 0.090 ng/ul m
RT: 3.300 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

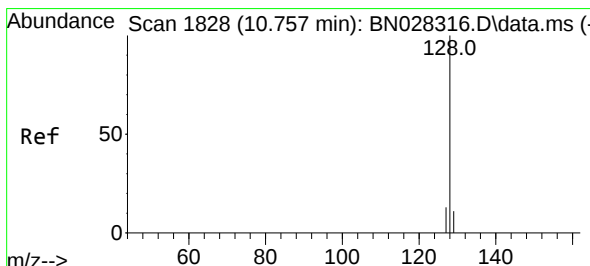
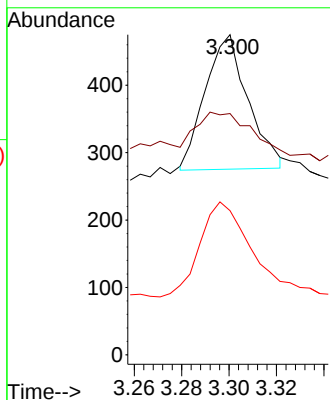
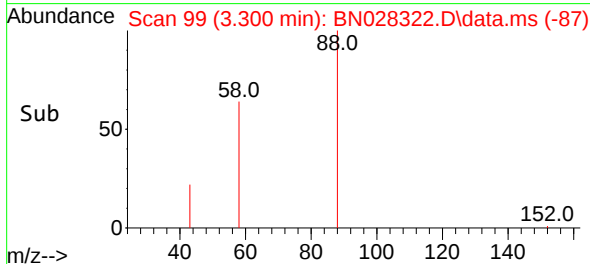
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 75.4 33.4 50.2
58 45.1 45.7 68.5

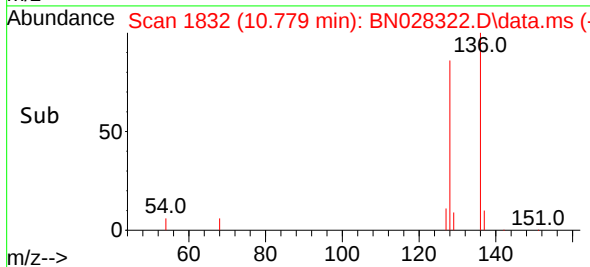
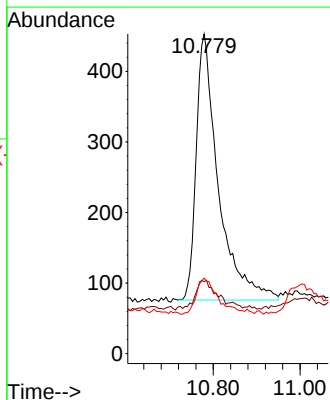
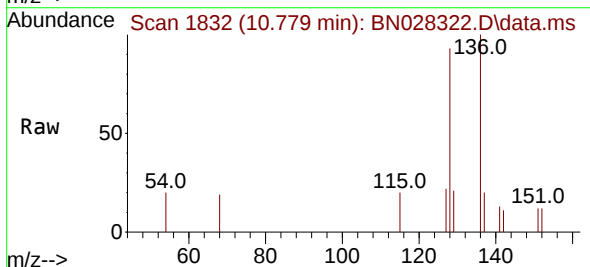
Manual Integrations
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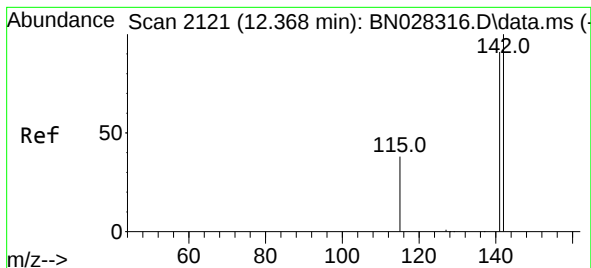
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.779 min Scan# 1832
Delta R.T. 0.016 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

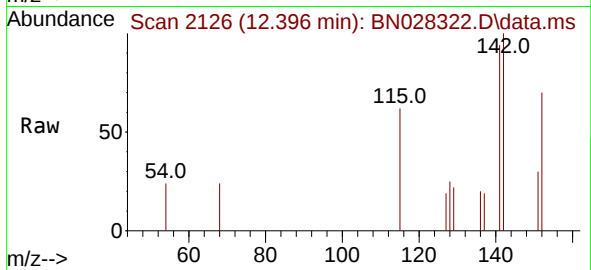
Tgt Ion:128 Resp: 1337
Ion Ratio Lower Upper
128 100
129 22.5 9.4 14.0#
127 23.6 11.0 16.4#





#7
2-Methylnaphthalene
Concen: 0.063 ng/ul
RT: 12.396 min Scan# 2121
Delta R.T. 0.016 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

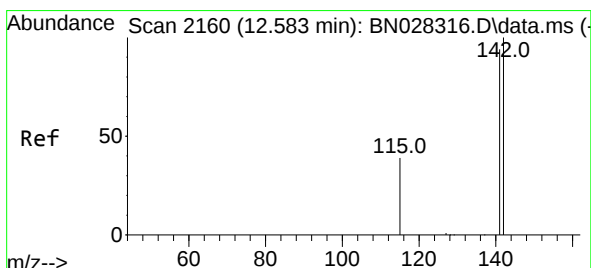
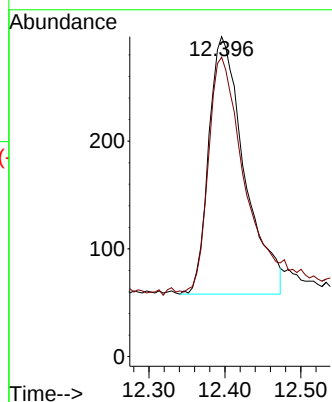
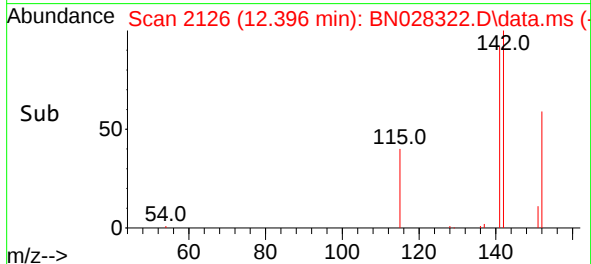
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



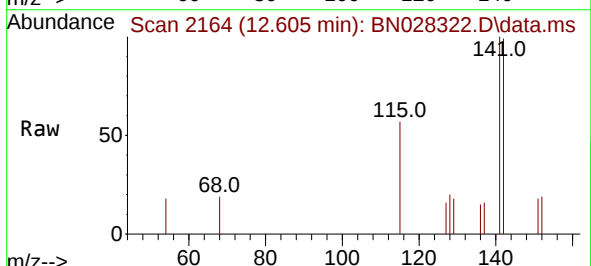
Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
141 91.3 70.9 106.3

Manual Integrations
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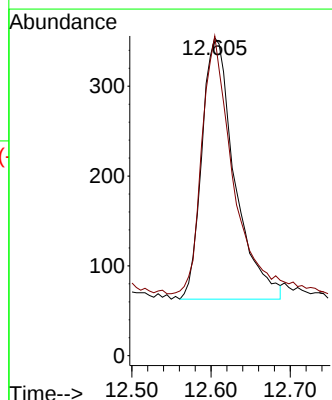
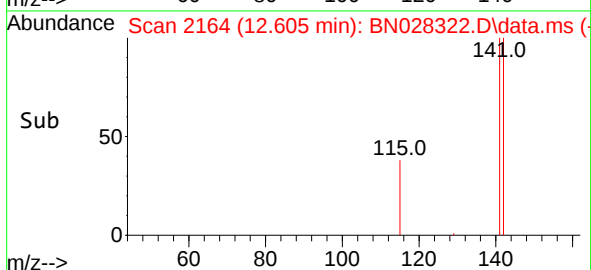
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

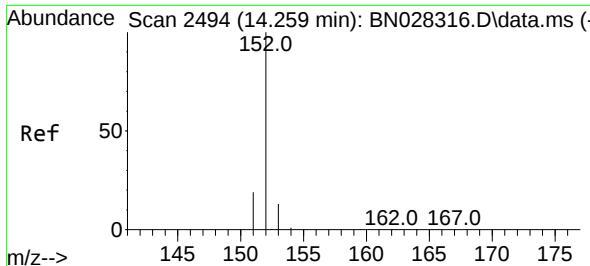


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.605 min Scan# 2164
Delta R.T. 0.011 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48



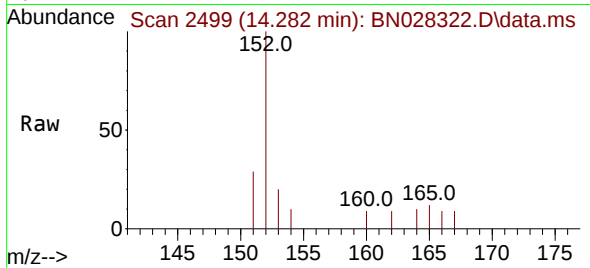
Tgt Ion:142 Resp: 835
Ion Ratio Lower Upper
142 100
141 92.3 74.4 111.6





#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 14.282 min Scan# 2499
Delta R.T. 0.009 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

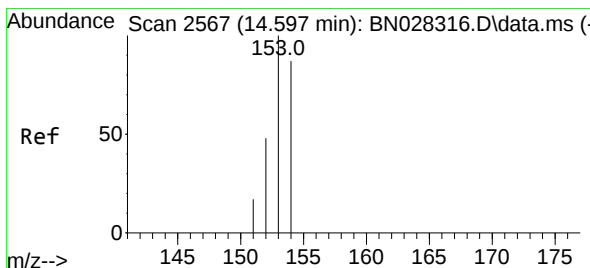
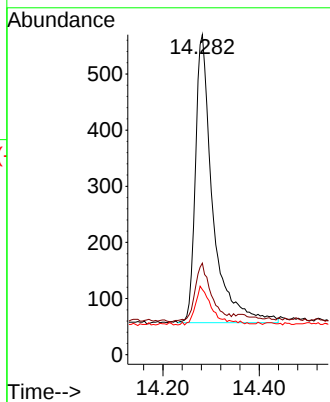
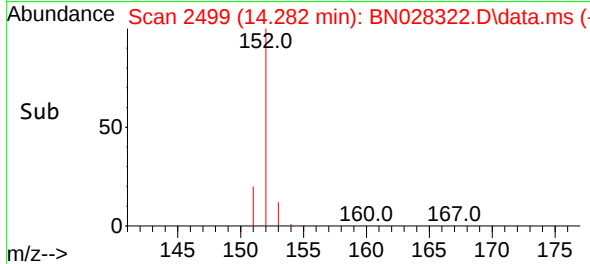
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:152 Resp: 1284
Ion Ratio Lower Upper
152 100
151 28.6 16.4 24.6
153 20.4 10.9 16.3

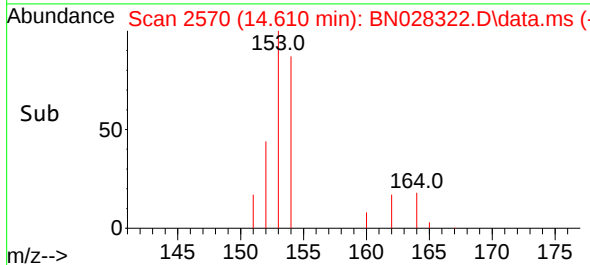
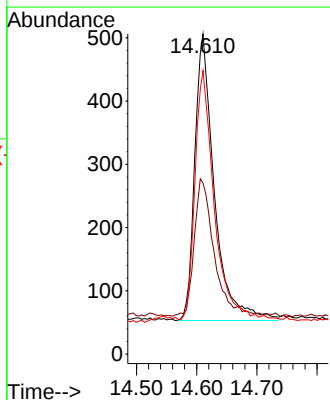
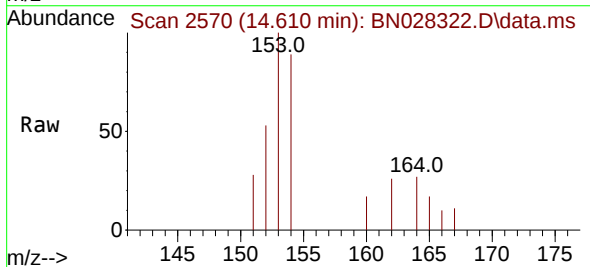
Manual Integrations
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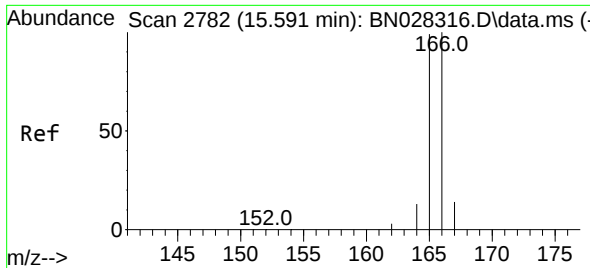
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#11
Acenaphthene
Concen: 0.071 ng/ul
RT: 14.610 min Scan# 2570
Delta R.T. 0.005 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

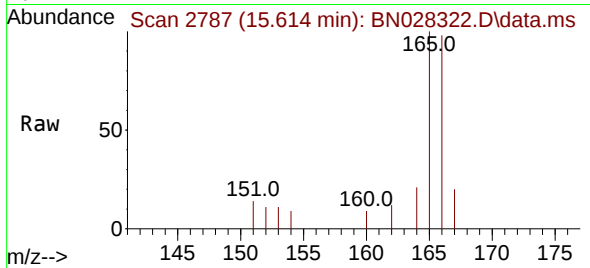
Tgt Ion:153 Resp: 1025
Ion Ratio Lower Upper
153 100
152 53.4 39.4 59.0
154 88.5 70.2 105.4





#12
Fluorene
Concen: 0.071 ng/ul
RT: 15.614 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

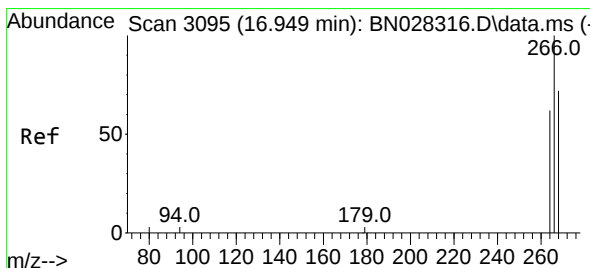
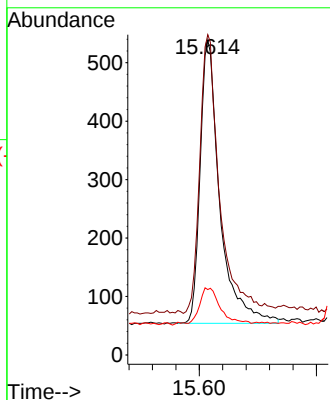
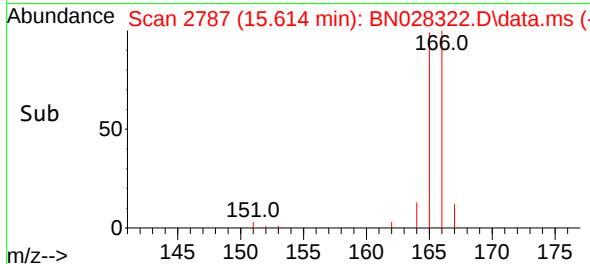
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:166 Resp: 113
Ion Ratio Lower Upper
166 100
165 101.7 78.5 117.7
167 20.8 11.2 16.8

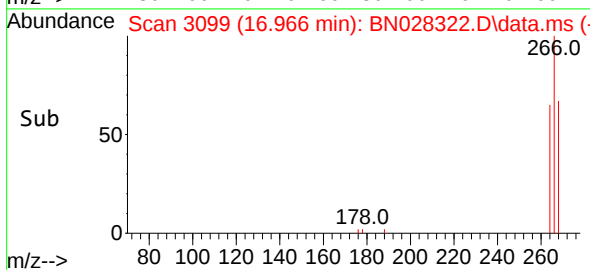
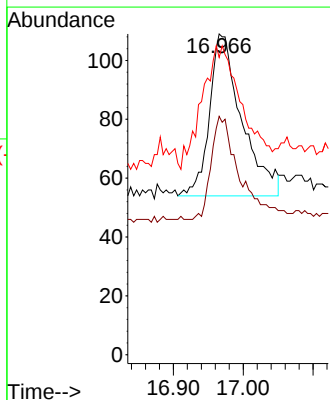
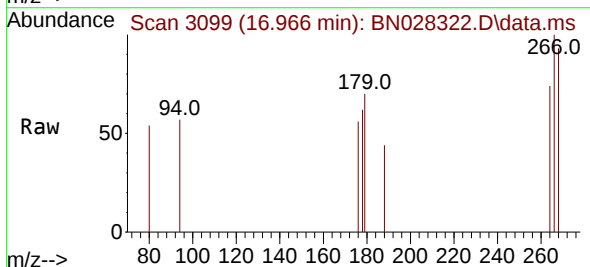
Manual Integrations
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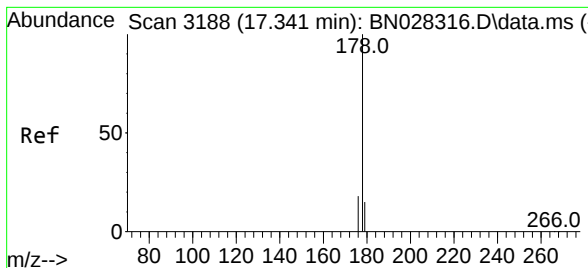
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#14
Pentachlorophenol
Concen: 0.095 ng/ul
RT: 16.966 min Scan# 3099
Delta R.T. 0.004 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

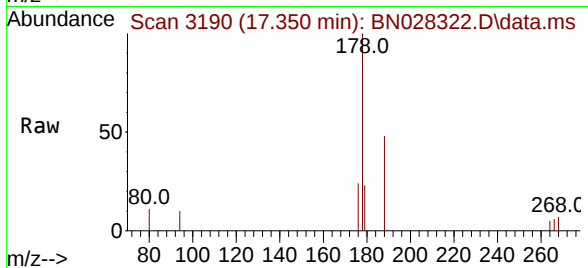
Tgt Ion:266 Resp: 177
Ion Ratio Lower Upper
266 100
264 55.4 49.6 74.4
268 96.0 52.2 78.4





#15
Phenanthrene
Concen: 0.072 ng/u1
RT: 17.350 min Scan# 3188
Delta R.T. 0.004 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

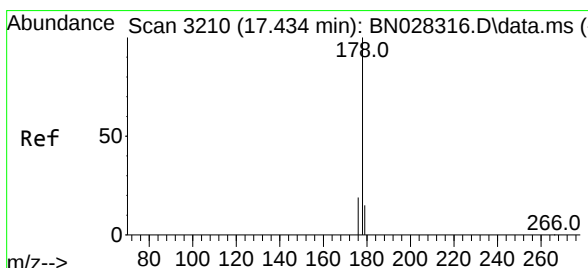
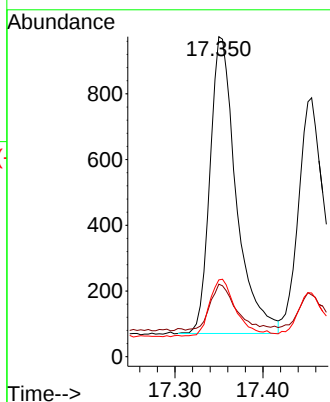
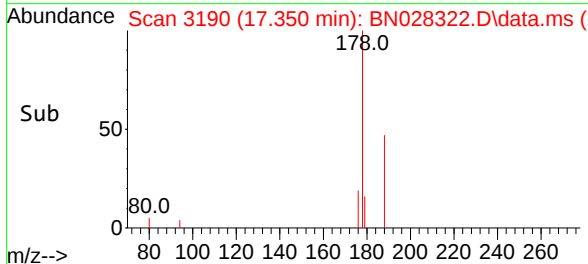
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:178 Resp: 1869
Ion Ratio Lower Upper
178 100
179 22.7 12.6 19.0#
176 24.0 15.5 23.3#

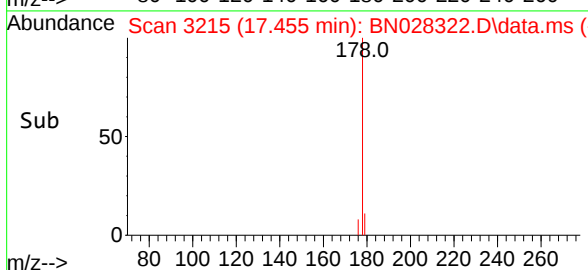
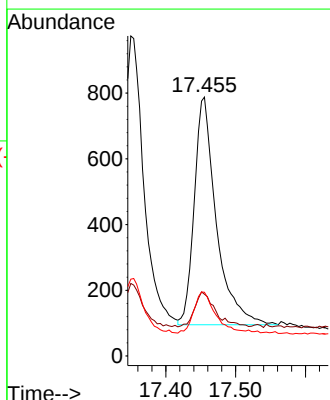
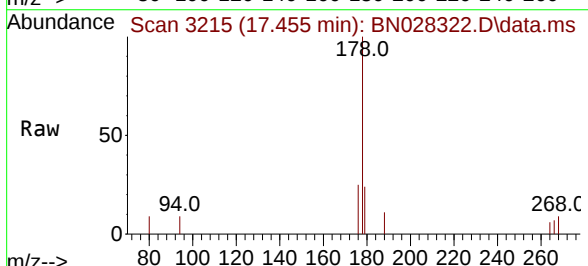
Manual Integrations
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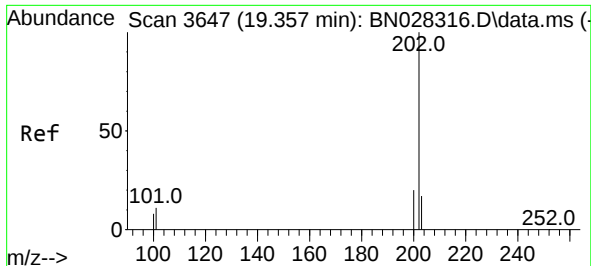
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#16
Anthracene
Concen: 0.066 ng/u1
RT: 17.455 min Scan# 3215
Delta R.T. 0.013 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

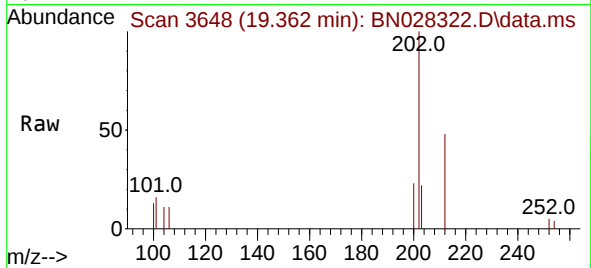
Tgt Ion:178 Resp: 1522
Ion Ratio Lower Upper
178 100
179 23.9 12.8 19.2#
176 24.6 15.0 22.6#





#19
Fluoranthene
Concen: 0.066 ng/u1
RT: 19.362 min Scan# 3648
Delta R.T. -0.005 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

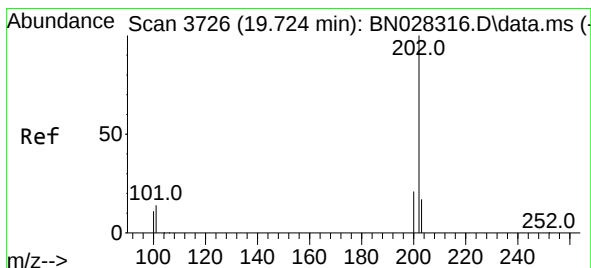
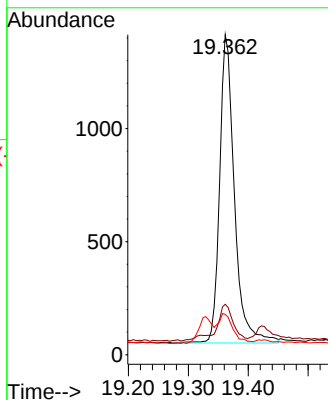
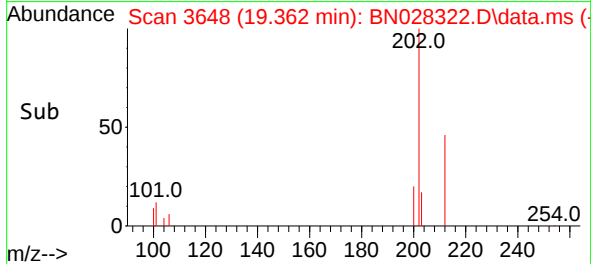
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:202 Resp: 2335
Ion Ratio Lower Upper
202 100
101 15.8 9.6 14.4#
100 12.7 7.4 11.0#

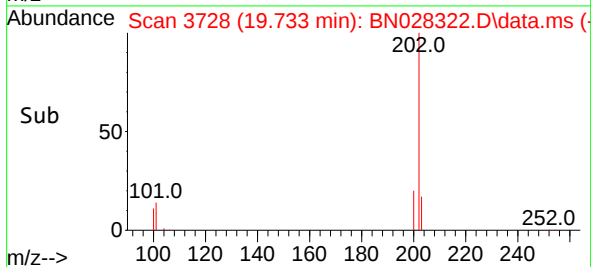
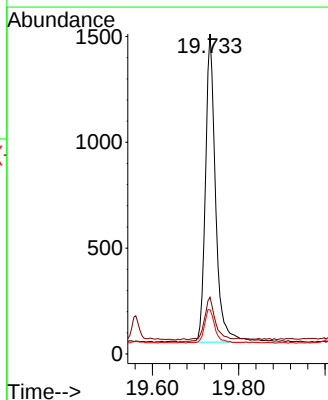
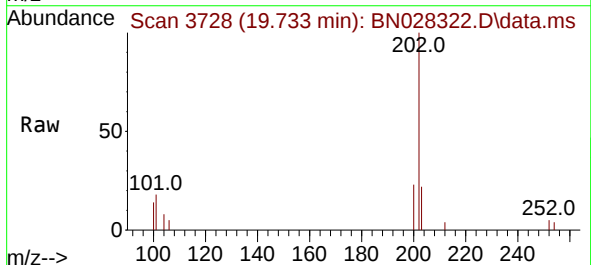
Manual Integrations
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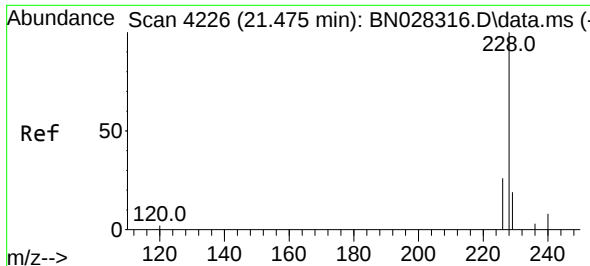
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#20
Pyrene
Concen: 0.065 ng/u1
RT: 19.733 min Scan# 3728
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

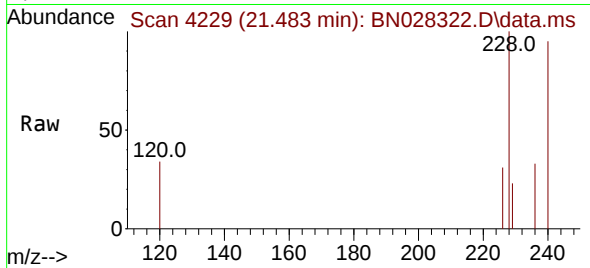
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Ion Ratio Lower Upper
202 100
101 17.7 11.2 16.8#
100 13.8 9.1 13.7#





#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

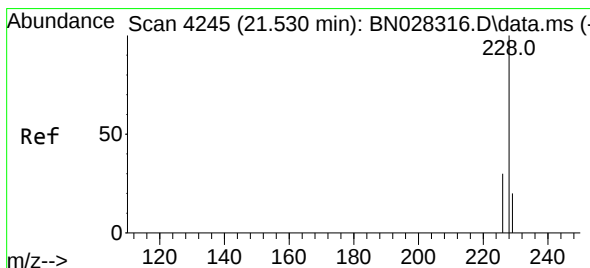
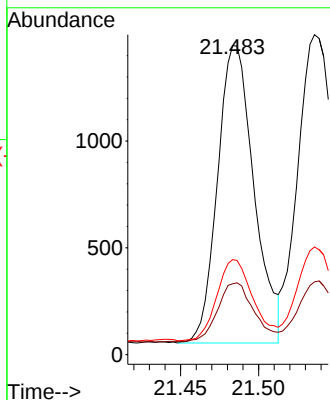
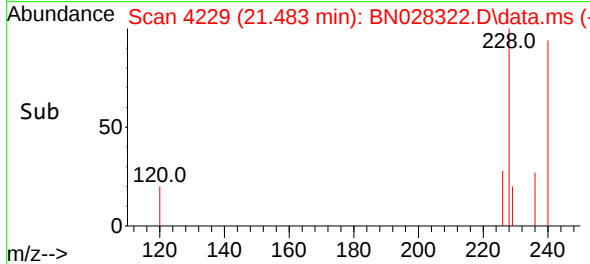
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:228 Resp: 2270
Ion Ratio Lower Upper
228 100
229 23.0 16.0 24.0
226 30.8 21.5 32.3

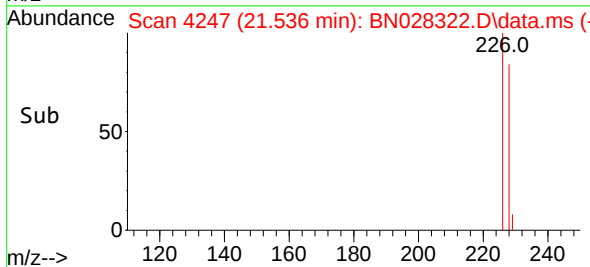
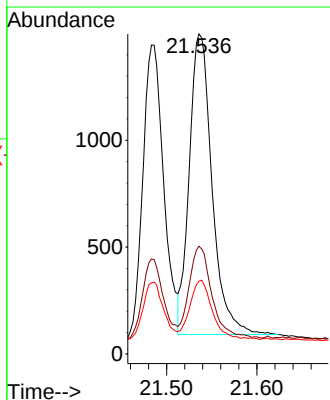
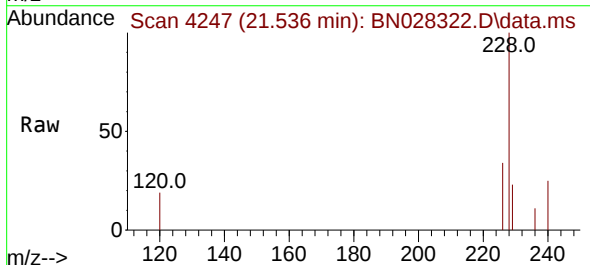
Manual Integrations
APPROVED

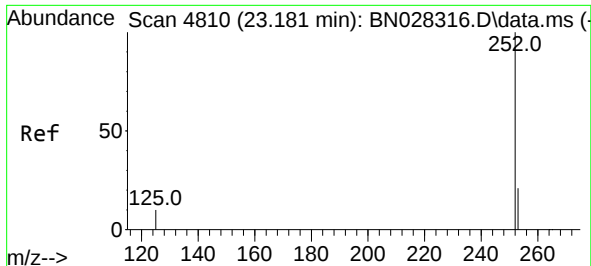
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#22
Chrysene
Concen: 0.072 ng/ul
RT: 21.536 min Scan# 4247
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

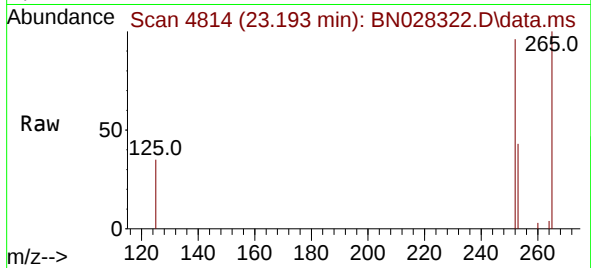
Tgt Ion:228 Resp: 2465
Ion Ratio Lower Upper
228 100
226 33.6 23.8 35.8
229 22.8 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.072 ng/ul
RT: 23.193 min Scan# 4814
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

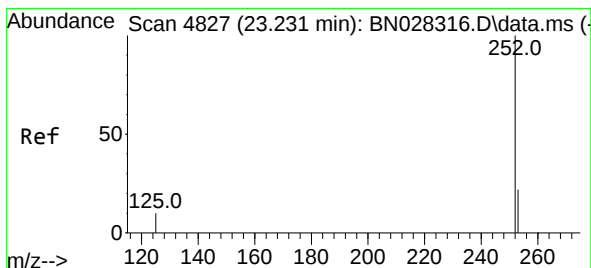
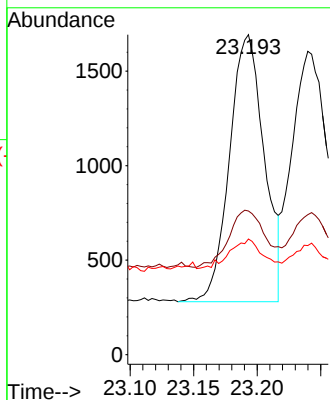
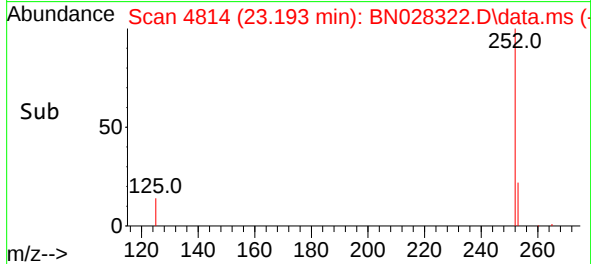
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



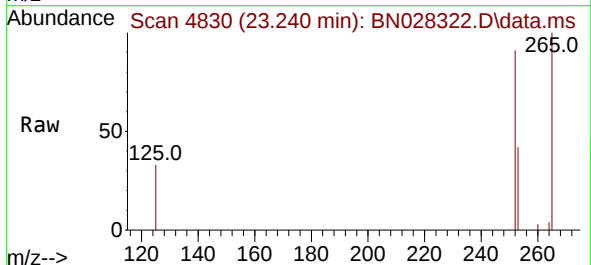
Tgt Ion:252 Resp: 268
Ion Ratio Lower Upper
252 100
253 44.9 0.0 54.0
125 36.1 0.0 31.4

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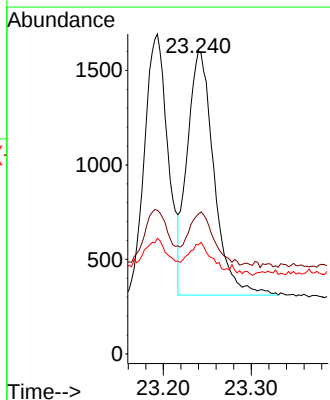
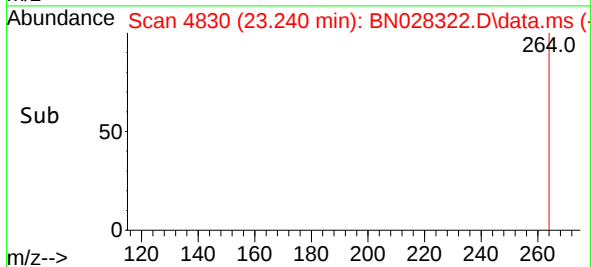
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

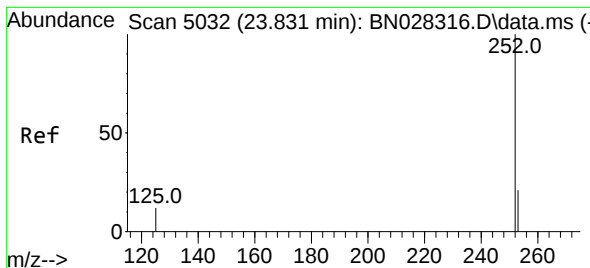


#25
Benzo(k)fluoranthene
Concen: 0.074 ng/ul
RT: 23.240 min Scan# 4830
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48



Tgt Ion:252 Resp: 2728
Ion Ratio Lower Upper
252 100
253 46.2 21.8 32.8#
125 36.0 12.8 19.2#





#26

Benzo(a)pyrene

Concen: 0.074 ng/ul

RT: 23.839 min Scan# 5032

Delta R.T. -0.003 min

Lab File: BN028322.D

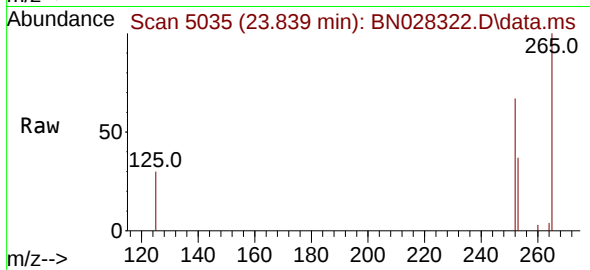
Acq: 18 Oct 2023 13:48

Instrument :

BN028322.D

ClientSampleId :

MDL-SOIL-QT3-2023-06



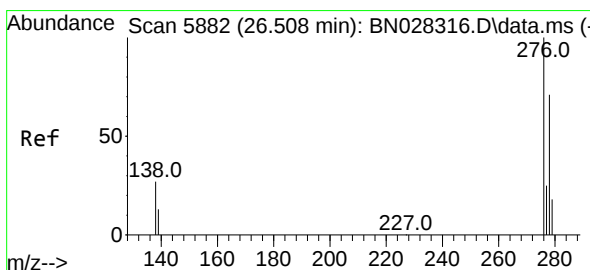
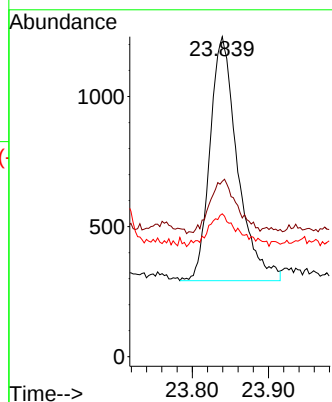
Tgt Ion:	252	Resp:	235
Ion Ratio	Lower	Upper	
252	100		
253	54.8	23.4	35.2
125	44.6	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.082 ng/ul

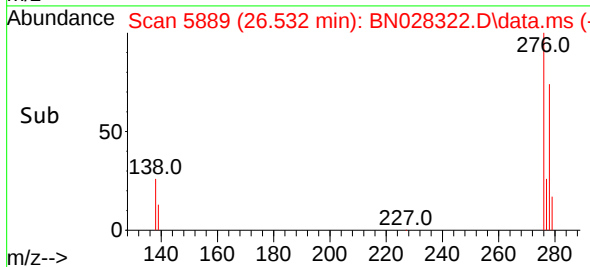
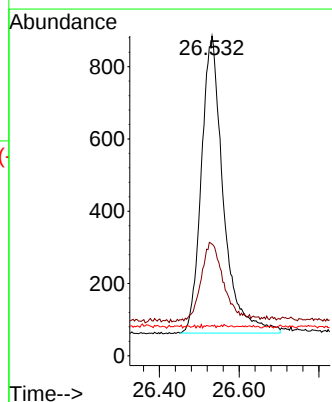
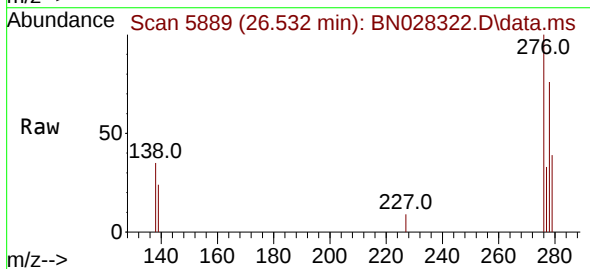
RT: 26.532 min Scan# 5889

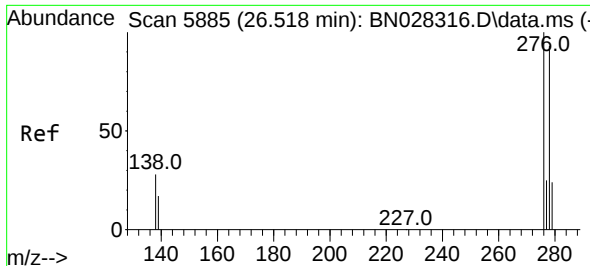
Delta R.T. 0.007 min

Lab File: BN028322.D

Acq: 18 Oct 2023 13:48

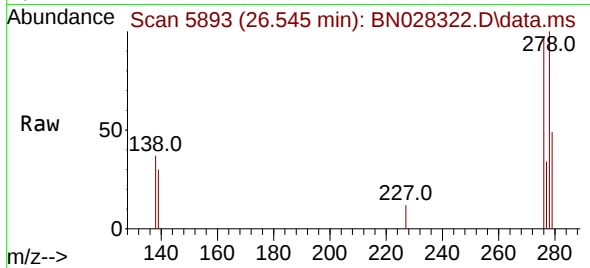
Tgt Ion:	276	Resp:	3143
Ion Ratio	Lower	Upper	
276	100		
138	0.0	21.6	32.4
227	0.1	0.2	0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 26.545 min Scan# 5893
Delta R.T. -0.000 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48

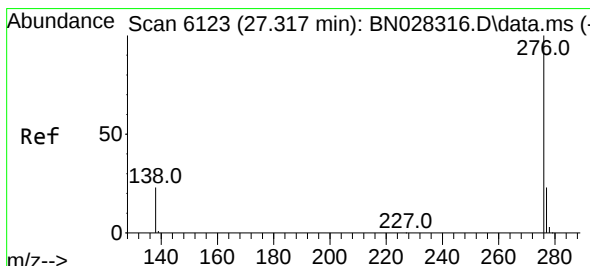
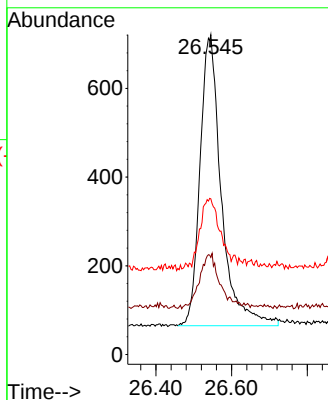
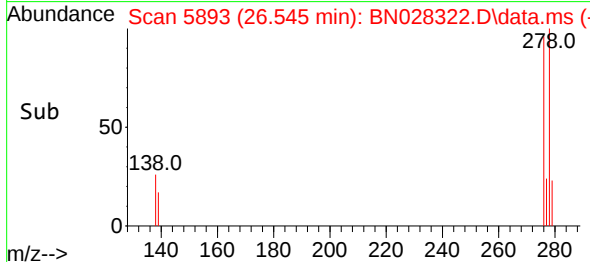
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2023-06



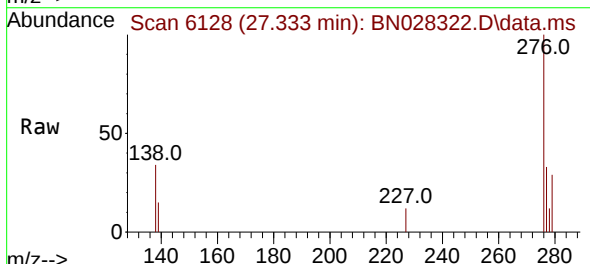
Tgt Ion:278 Resp: 2560
Ion Ratio Lower Upper
278 100
139 30.4 15.9 23.9#
279 48.7 22.8 34.2#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#29
Benzo(g,h,i)perylene
Concen: 0.088 ng/ul
RT: 27.333 min Scan# 6128
Delta R.T. 0.003 min
Lab File: BN028322.D
Acq: 18 Oct 2023 13:48



Tgt Ion:276 Resp: 2779
Ion Ratio Lower Upper
276 100
138 33.7 19.8 29.6#
277 32.7 20.6 31.0#

