

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
 Data File : BN029086.D
 Acq On : 07 Dec 2023 10:38
 Operator : MA/JU
 Sample : 05551-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-105

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023

Quant Time: Dec 07 11:15:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	978	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	2040	0.400	ng	-0.01
13) Acenaphthene-d10	14.396	164	1507	0.400	ng	0.00
19) Phenanthrene-d10	17.147	188	3608	0.400	ng	# 0.00
29) Chrysene-d12	21.347	240	2741	0.400	ng	# 0.00
35) Perylene-d12	23.667	264	2841	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	223	0.101	ng	0.00
5) Phenol-d6	6.981	99	143	0.054	ng	0.00
8) Nitrobenzene-d5	8.939	82	593	0.241	ng	0.00
11) 2-Methylnaphthalene-d10	12.140	152	981	0.229	ng	0.00
14) 2,4,6-Tribromophenol	15.893	330	372	0.224	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	2315	0.297	ng	0.00
27) Fluoranthene-d10	19.181	212	2920	0.258	ng	0.00
31) Terphenyl-d14	19.789	244	2104	0.303	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.118	152	332	0.040	ng	# 86
17) Acenaphthene	14.450	154	1085	0.208	ng	99
18) Fluorene	15.444	166	495	0.060	ng	# 92
25) Phenanthrene	17.184	178	1490m	0.124	ng	
26) Anthracene	17.271	178	772	0.066	ng	95
28) Fluoranthene	19.209	202	5163	0.312	ng	# 97
30) Pyrene	19.571	202	5795	0.341	ng	96
32) Benzo(a)anthracene	21.329	228	1351	0.097	ng	# 80
33) Chrysene	21.383	228	1164	0.085	ng	# 81
34) Bis(2-ethylhexyl)phtha...	21.275	149	1230	0.144	ng	92
36) Indeno(1,2,3-cd)pyrene	26.029	276	723	0.050	ng	# 75
37) Benzo(b)fluoranthene	22.962	252	1500	0.098	ng	# 29
39) Benzo(a)pyrene	23.559	252	1124	0.089	ng	# 25
41) Benzo(g,h,i)perylene	26.763	276	763	0.062	ng	# 55

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

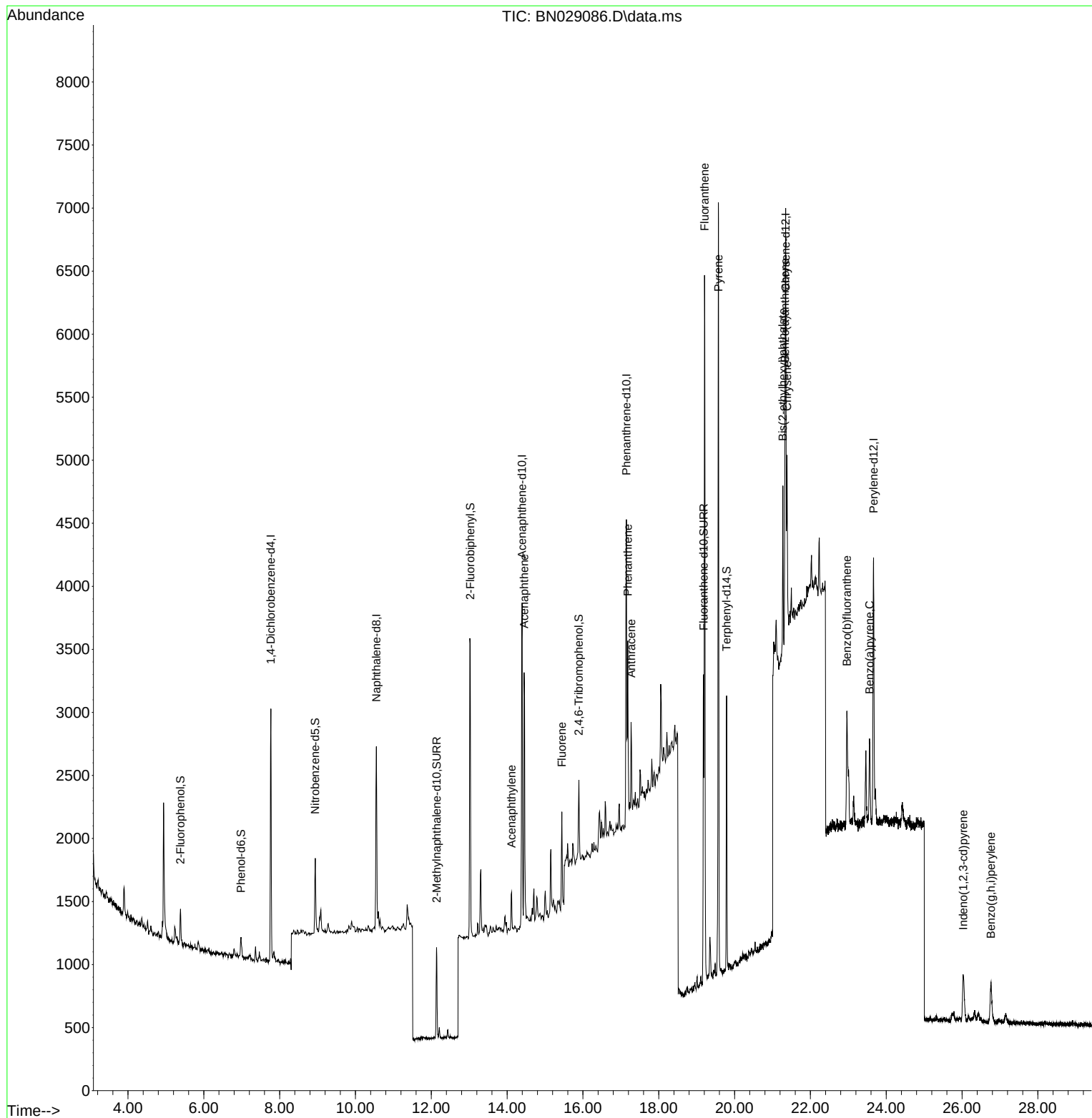
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
Data File : BN029086.D
Acq On : 07 Dec 2023 10:38
Operator : MA/JU
Sample : 05551-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

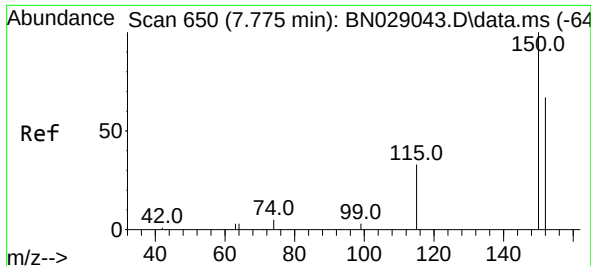
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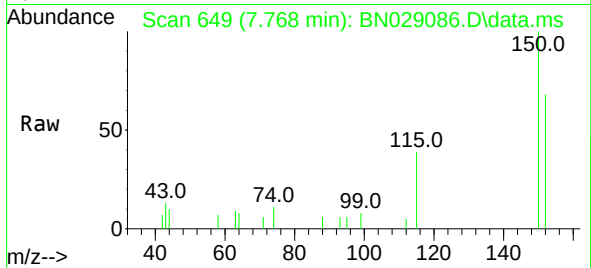
Quant Time: Dec 07 11:15:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.007 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

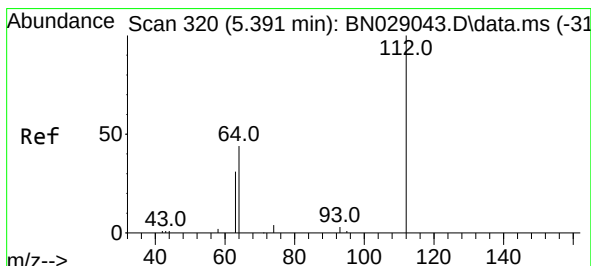
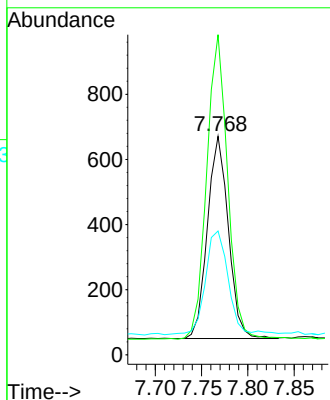
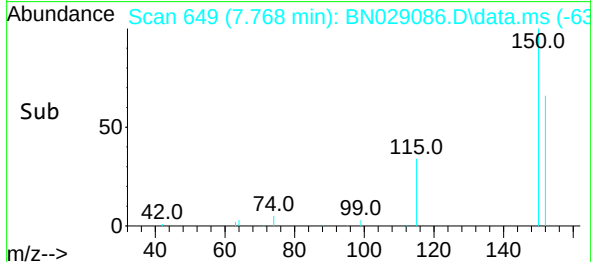
Instrument :
BNA_N
ClientSampleId :
MW-105



Tgt Ion:152 Resp: 978
Ion Ratio Lower Upper
152 100
150 146.5 116.2 174.4
115 56.6 45.1 67.7

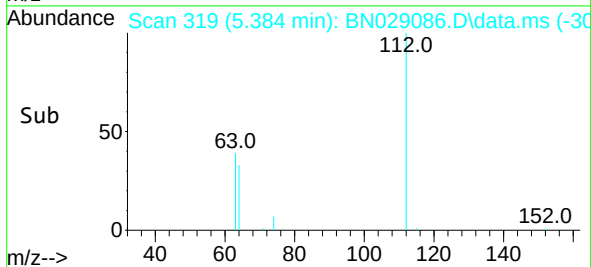
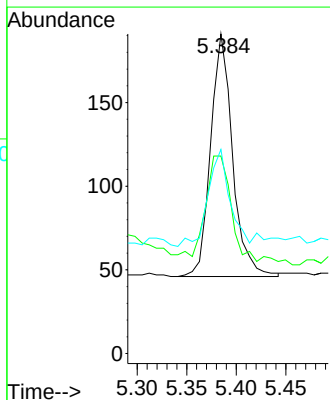
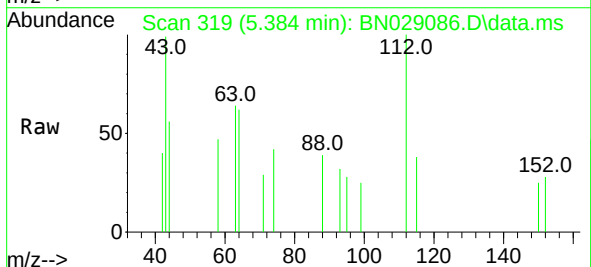
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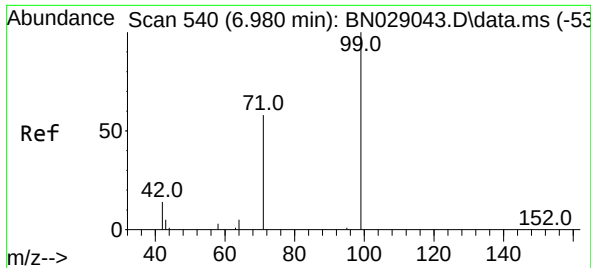
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#4
2-Fluorophenol
Concen: 0.101 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

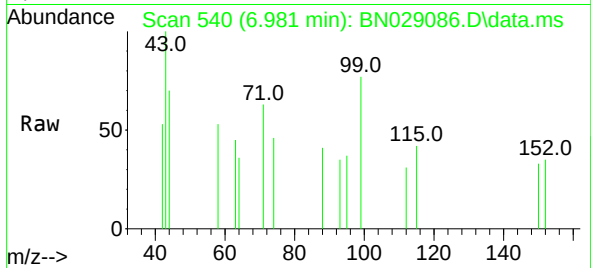
Tgt Ion:112 Resp: 223
Ion Ratio Lower Upper
112 100
64 57.4 37.0 55.6#
63 39.5 29.0 43.6





#5
Phenol-d6
Concen: 0.054 ng
RT: 6.981 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

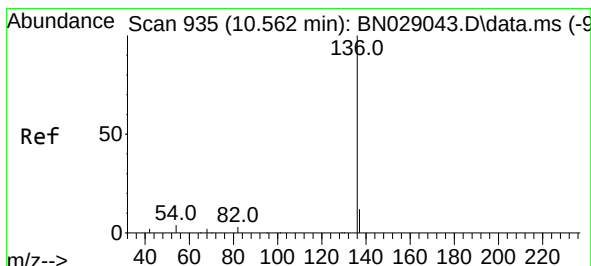
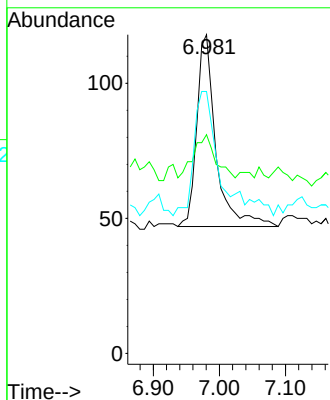
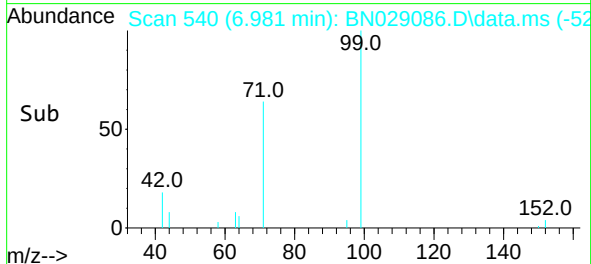
Instrument :
BNA_N
ClientSampleId :
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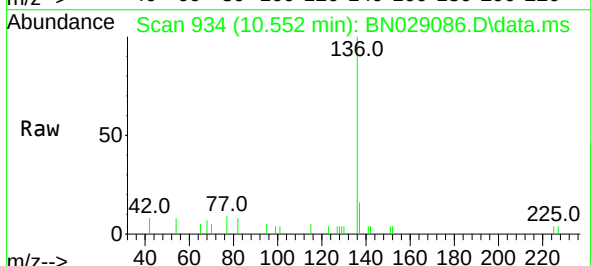
Tgt Ion: 99 Resp: 143
Ion Ratio Lower Upper
99 100
42 26.6 13.4 20.2
71 82.5 47.8 71.6

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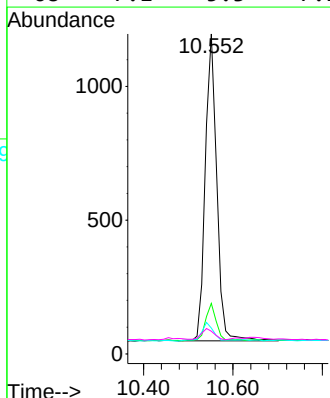
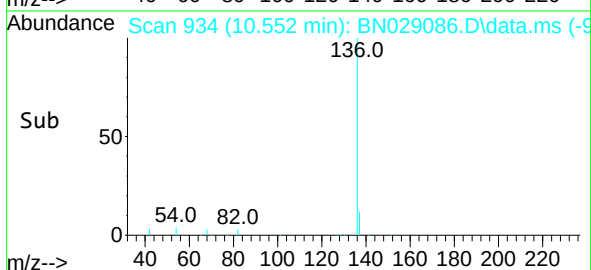
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

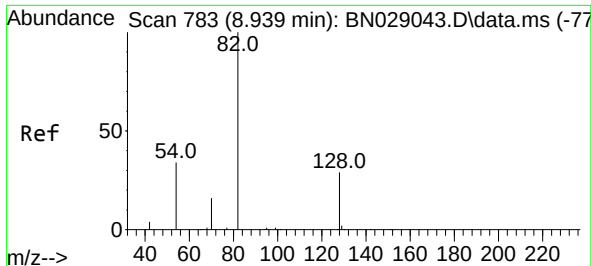


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 934
Delta R.T. -0.011 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



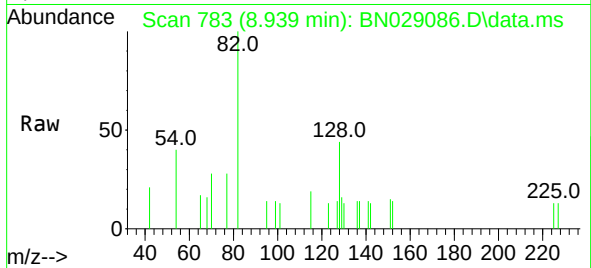
Tgt Ion:136 Resp: 2040
Ion Ratio Lower Upper
136 100
137 15.8 11.9 17.9
54 8.1 6.4 9.6
68 7.1 5.3 7.9





#8
Nitrobenzene-d5
Concen: 0.241 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

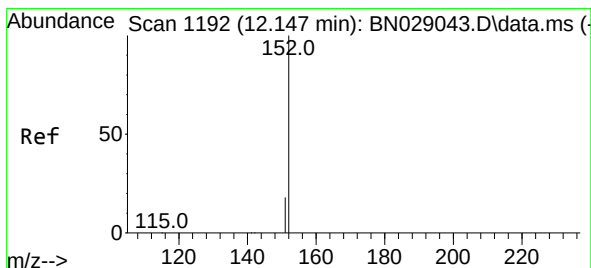
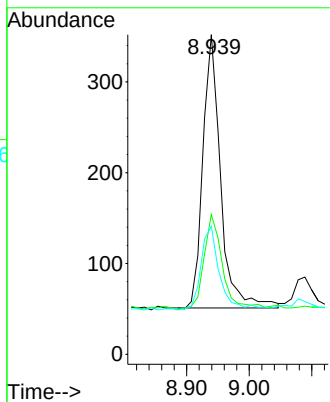
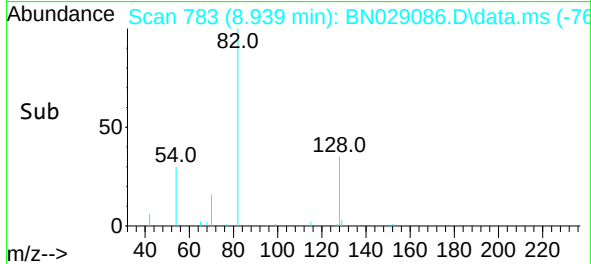
Instrument :
BNA_N
ClientSampleId :
MW-105



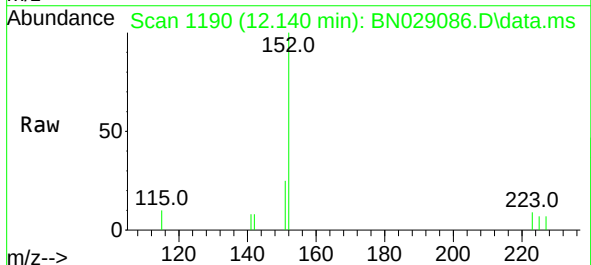
Tgt Ion: 82 Resp: 591
Ion Ratio Lower Upper
82 100
128 43.8 28.2 42.4
54 40.1 32.1 48.1

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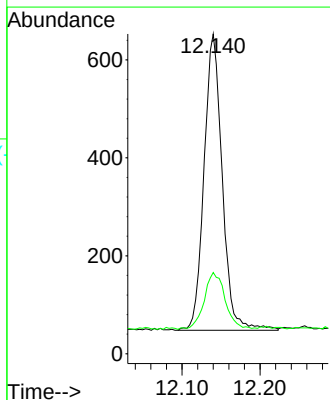
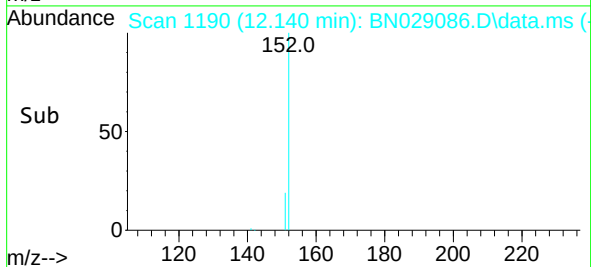
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

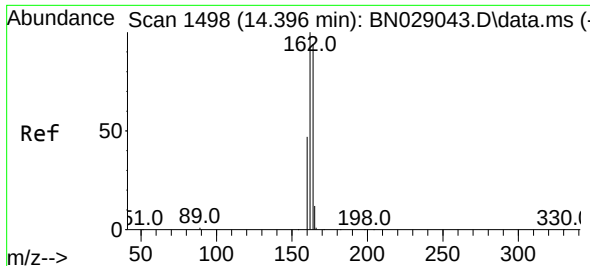


#11
2-Methylnaphthalene-d10
Concen: 0.229 ng
RT: 12.140 min Scan# 1190
Delta R.T. -0.007 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



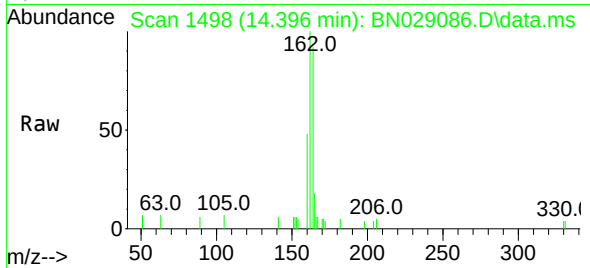
Tgt Ion:152 Resp: 981
Ion Ratio Lower Upper
152 100
151 22.0 17.4 26.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

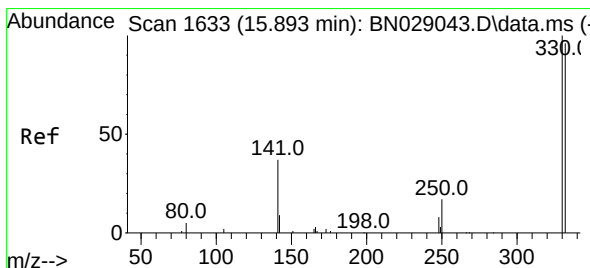
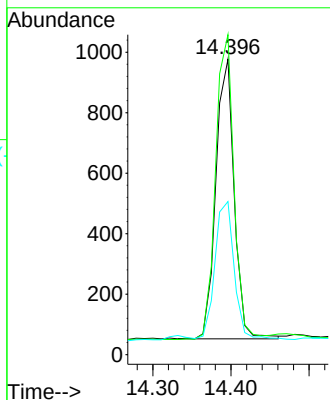
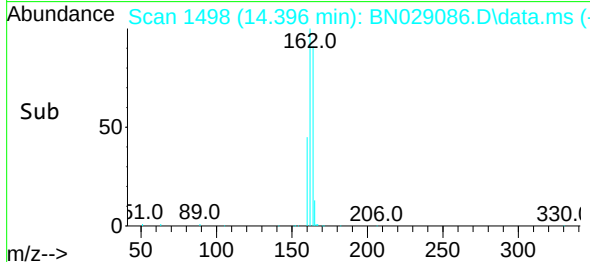
Instrument :
BNA_N
ClientSampleId :
MW-105



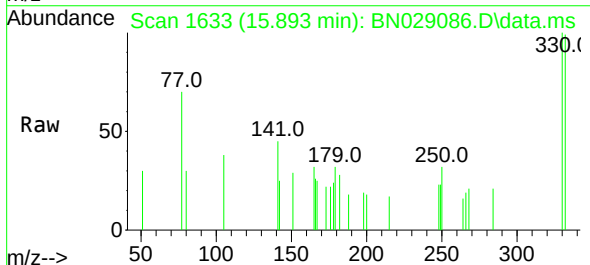
Tgt Ion:164 Resp: 150
Ion Ratio Lower Upper
164 100
162 108.3 85.0 127.6
160 51.8 41.3 61.9

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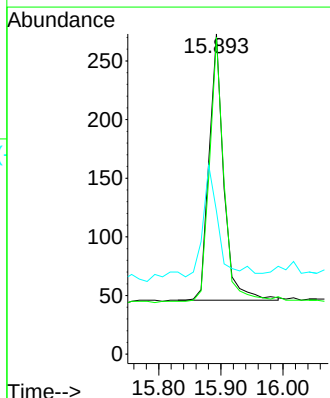
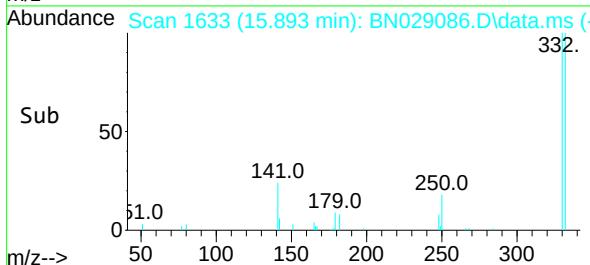
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

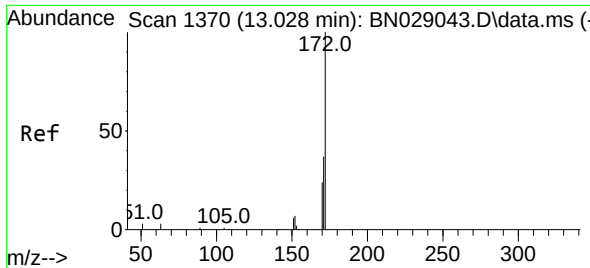


#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



Tgt Ion:330 Resp: 372
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 44.6 28.7 43.1#





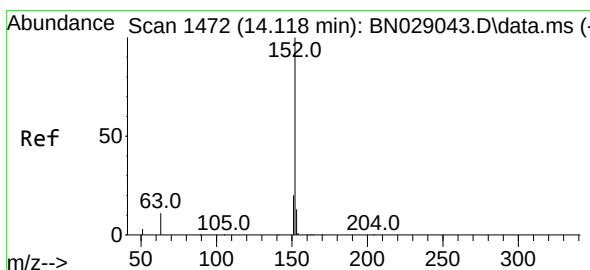
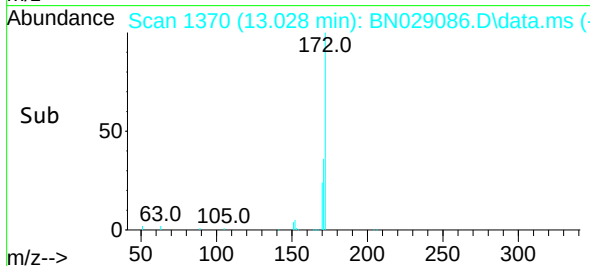
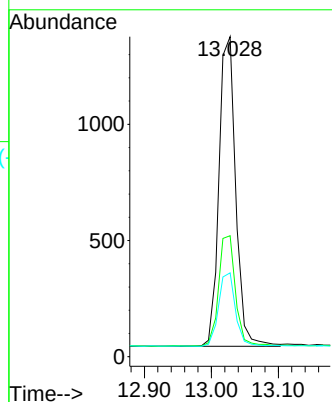
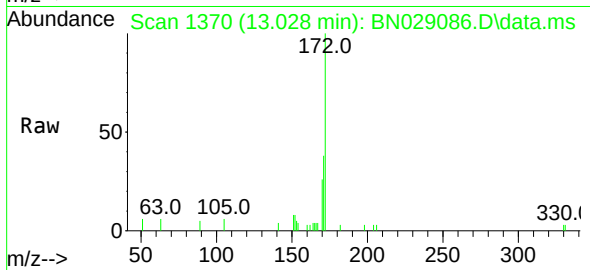
#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

Instrument :
BNA_N
ClientSampleId :
MW-105

Tgt Ion:172 Resp: 231
Ion Ratio Lower Upper
172 100
171 37.8 30.1 45.1
170 26.2 20.3 30.5

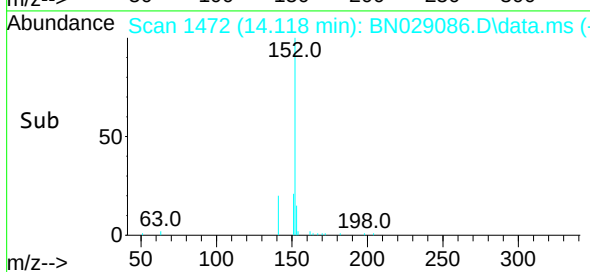
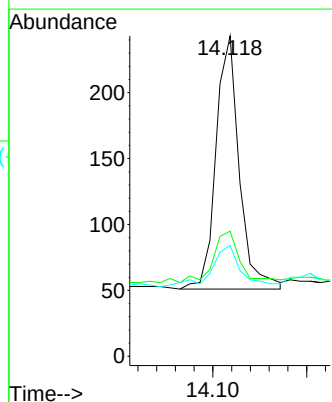
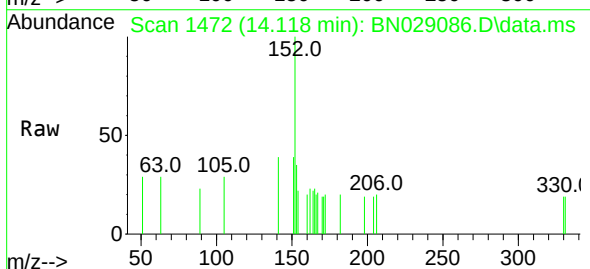
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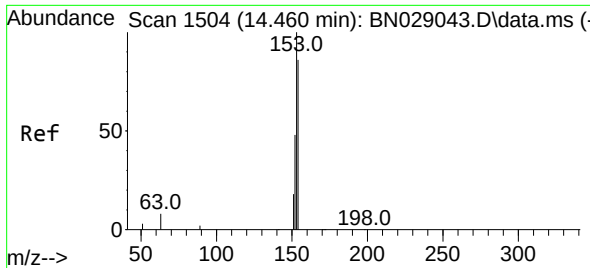
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#16
Acenaphthylene
Concen: 0.040 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

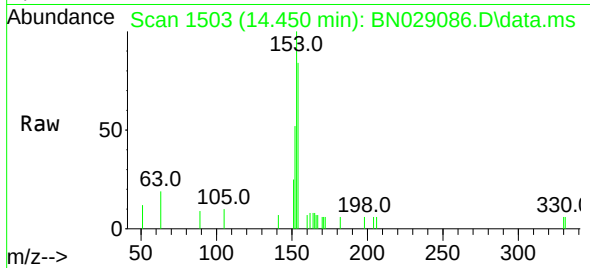
Tgt Ion:152 Resp: 332
Ion Ratio Lower Upper
152 100
151 25.0 15.8 23.6#
153 19.6 10.3 15.5#





#17
Acenaphthene
Concen: 0.208 ng
RT: 14.450 min Scan# 1503
Delta R.T. -0.011 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

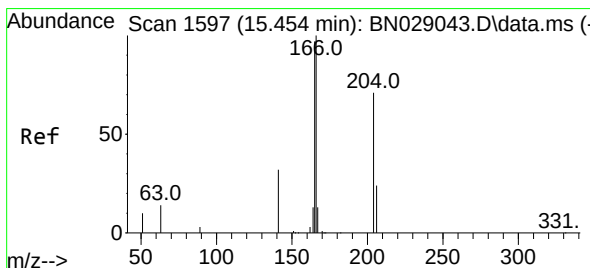
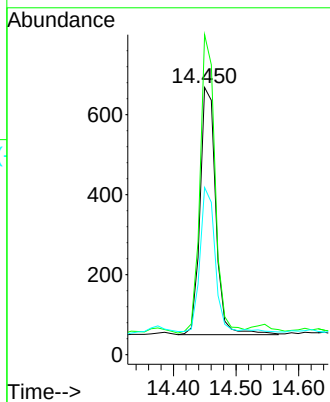
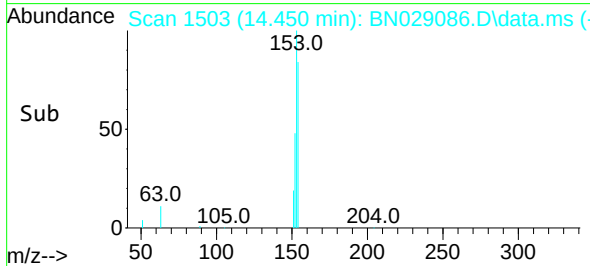
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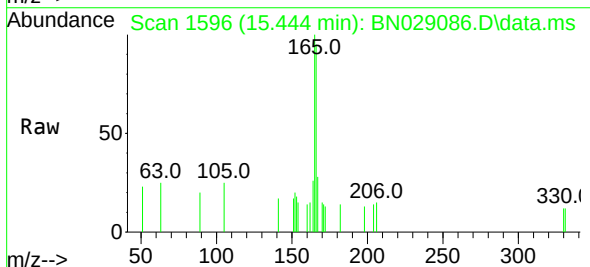
Tgt Ion:154 Resp: 1085
Ion Ratio Lower Upper
154 100
153 114.8 93.0 139.6
152 54.6 44.2 66.4

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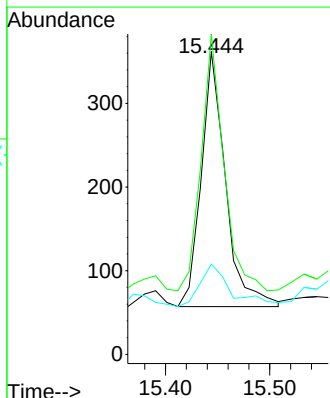
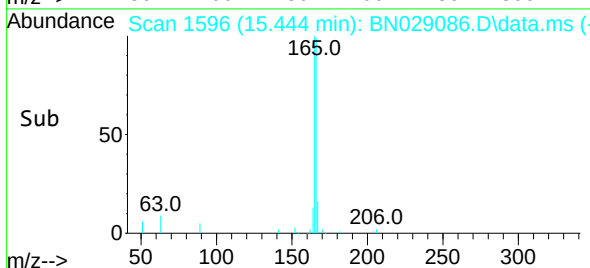
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

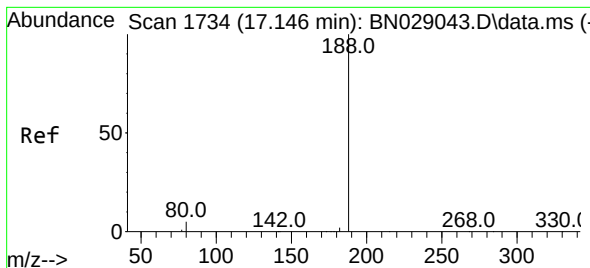


#18
Fluorene
Concen: 0.060 ng
RT: 15.444 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



Tgt Ion:166 Resp: 495
Ion Ratio Lower Upper
166 100
165 93.3 80.2 120.4
167 21.4 11.0 16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN029086.D

Acq: 07 Dec 2023 10:38

Instrument :

BNA_N

ClientSampleId :

MW-105

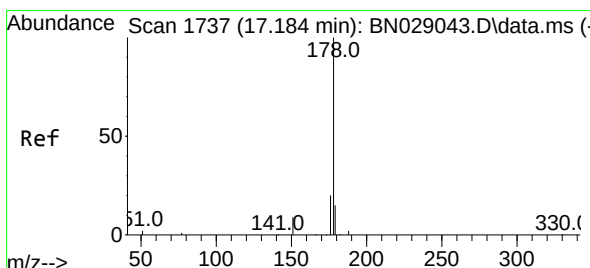
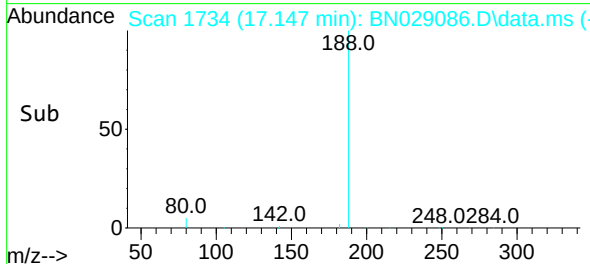
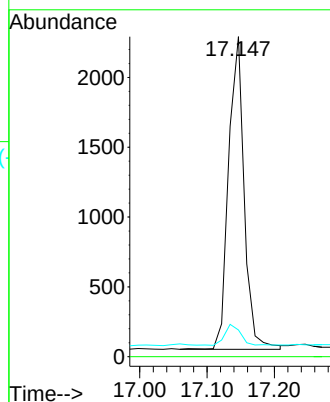
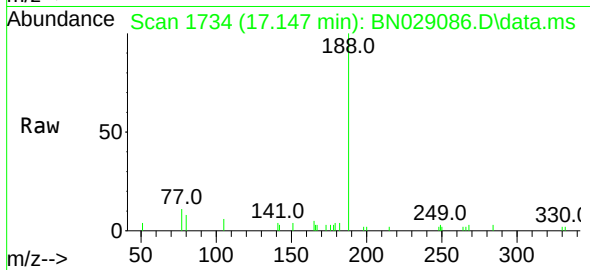
Tgt Ion:188	Resp:	360
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.3	5.4

Manual Integrations

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Supervised By :mohammad ahmed 12/08/2023



#25

Phenanthrene

Concen: 0.124 ng m

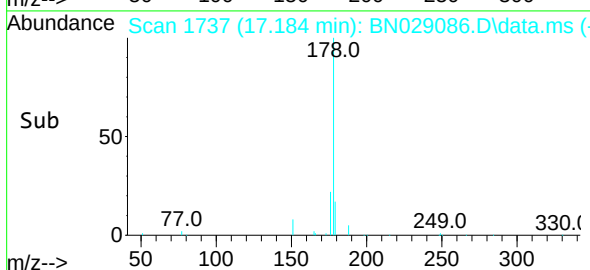
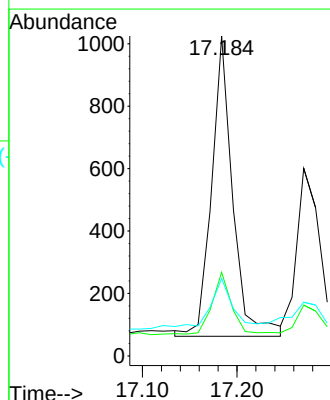
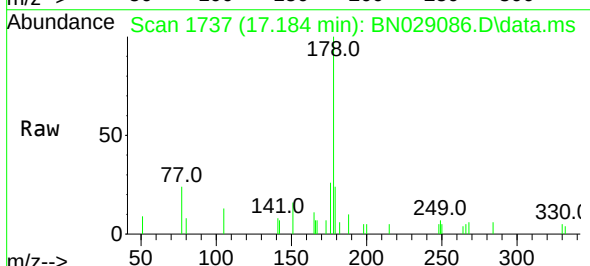
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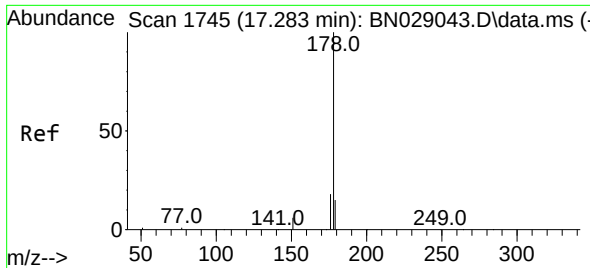
Delta R.T. 0.000 min

Lab File: BN029086.D

Acq: 07 Dec 2023 10:38

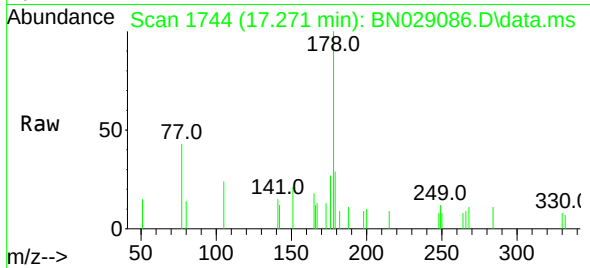
Tgt Ion:178	Resp:	1490
Ion Ratio	Lower	Upper
178	100	
176	11.7	15.6
179	10.1	12.6





#26
 Anthracene
 Concen: 0.066 ng
 RT: 17.271 min Scan# 1744
 Delta R.T. -0.012 min
 Lab File: BN029086.D
 Acq: 07 Dec 2023 10:38

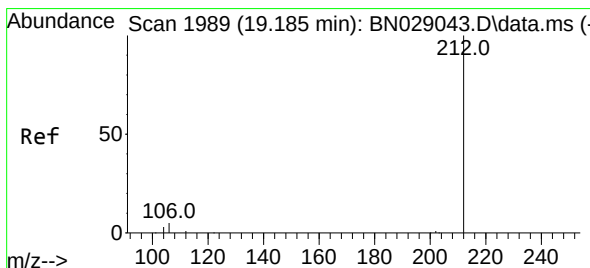
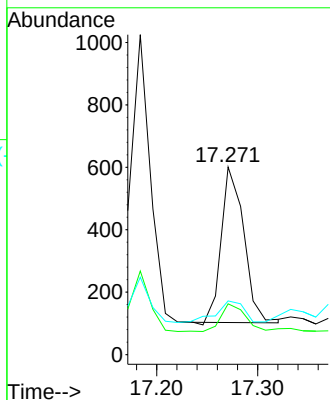
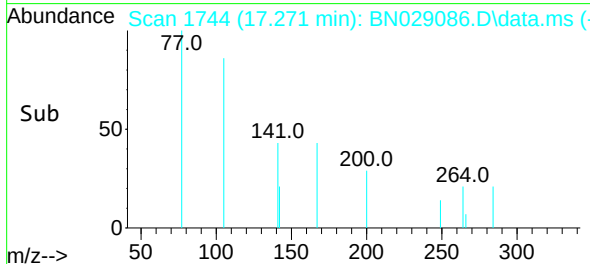
Instrument :
 BNA_N
 ClientSampleId :
 MW-105



Tgt Ion:178 Resp: 772
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.0 22.4
 179 17.1 12.6 19.0

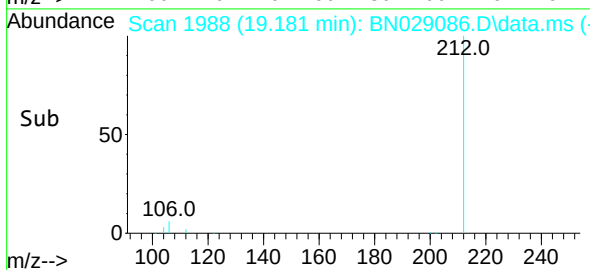
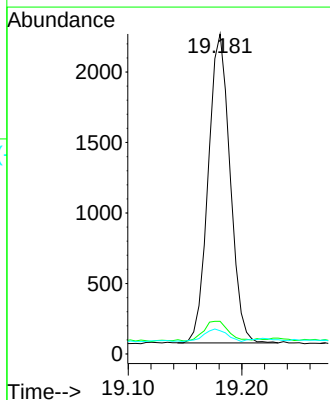
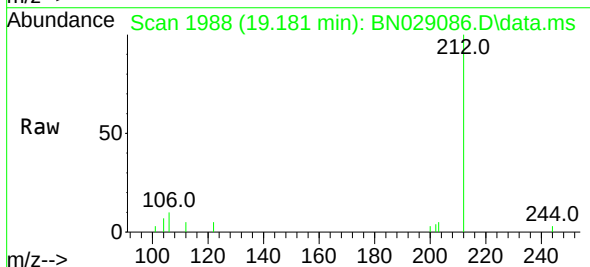
Manual Integrations
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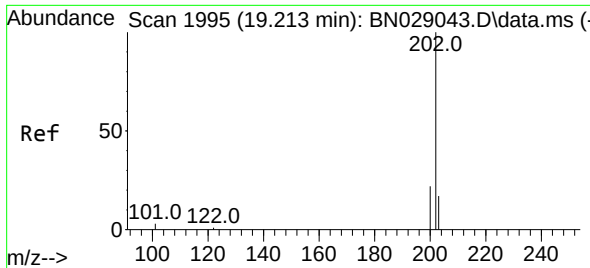
Reviewed By :Yogesh Patel 12/08/2023
 Supervised By :mohammad ahmed 12/08/2023



#27
 Fluoranthene-d10
 Concen: 0.258 ng
 RT: 19.181 min Scan# 1988
 Delta R.T. -0.005 min
 Lab File: BN029086.D
 Acq: 07 Dec 2023 10:38

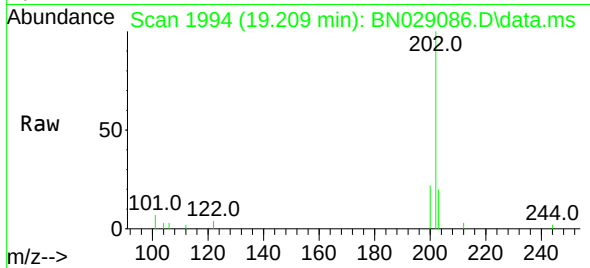
Tgt Ion:212 Resp: 2920
 Ion Ratio Lower Upper
 212 100
 106 7.1 3.9 5.9#
 104 4.1 2.6 3.8#





#28
Fluoranthene
Concen: 0.312 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

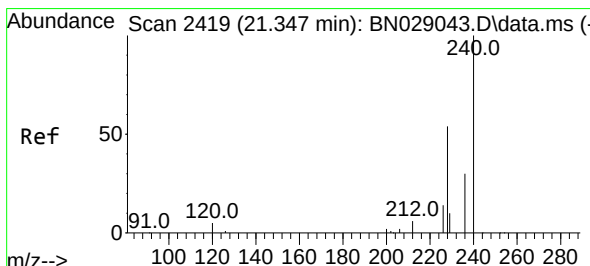
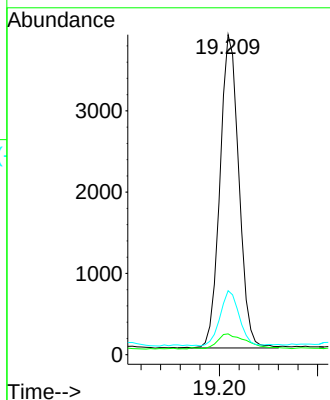
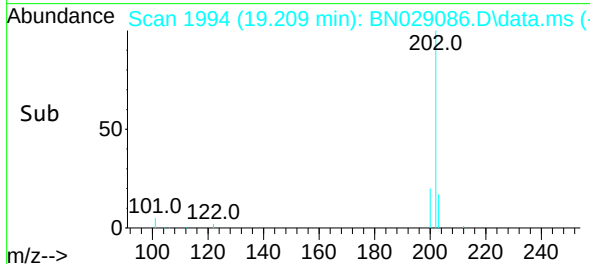
Instrument :
BNA_N
ClientSampleId :
MW-105



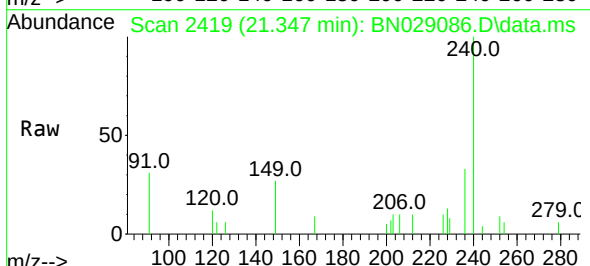
Tgt Ion:202 Resp: 5163
Ion Ratio Lower Upper
202 100
101 7.0 3.0 4.6
203 17.8 13.8 20.6

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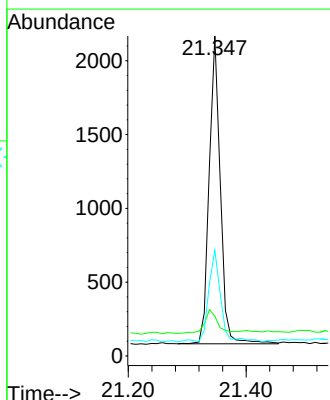
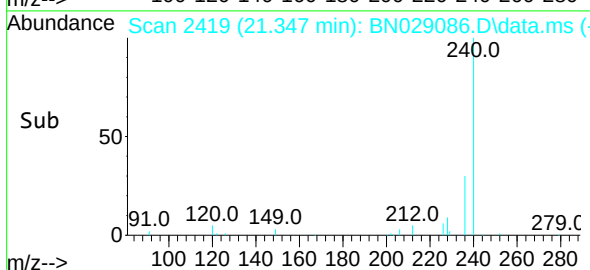
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

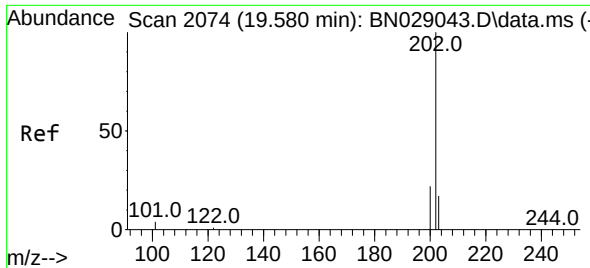


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



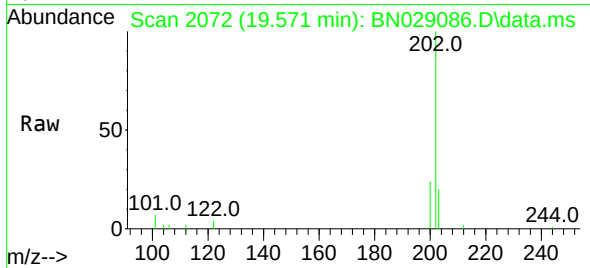
Tgt Ion:240 Resp: 2741
Ion Ratio Lower Upper
240 100
120 12.4 6.7 10.1
236 33.1 25.7 38.5





#30
Pyrene
Concen: 0.341 ng
RT: 19.571 min Scan# 2072
Delta R.T. -0.009 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

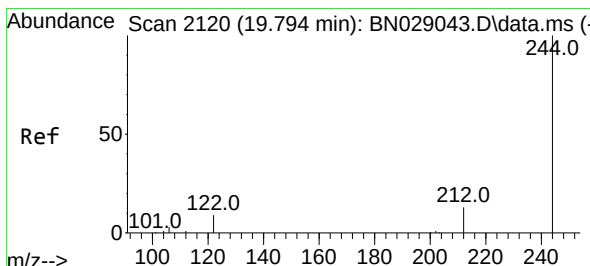
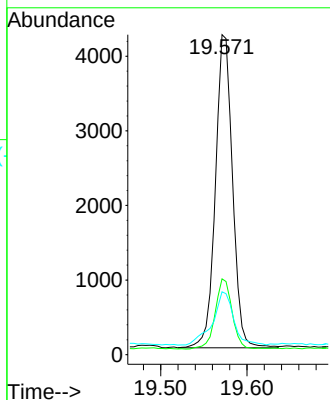
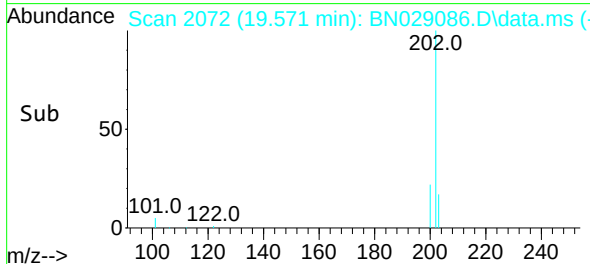
Instrument :
BNA_N
ClientSampleId :
MW-105



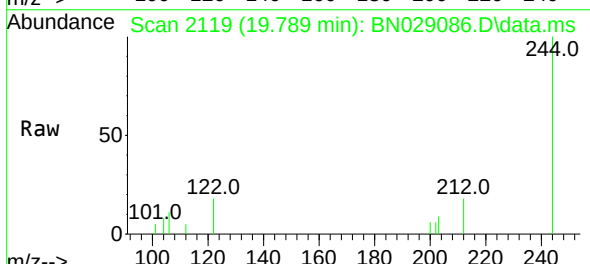
Tgt Ion:202 Resp: 579#
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.6
203 20.7 14.2 21.4

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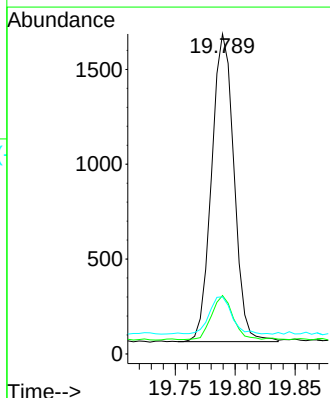
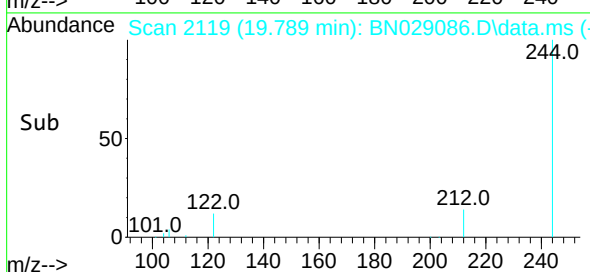
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

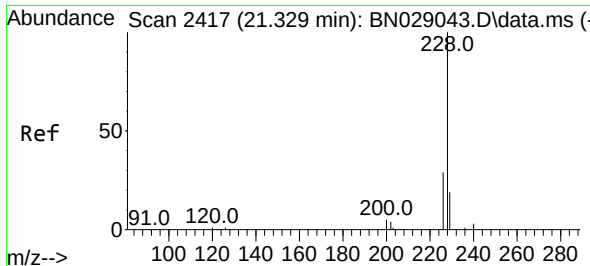


#31
Terphenyl-d14
Concen: 0.303 ng
RT: 19.789 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



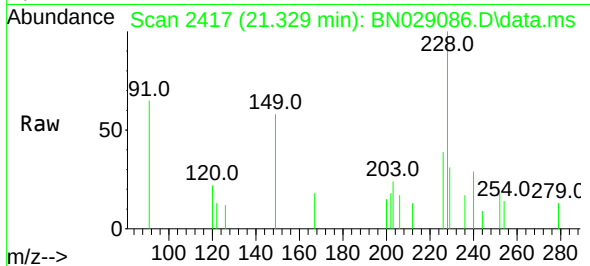
Tgt Ion:244 Resp: 2104
Ion Ratio Lower Upper
244 100
212 18.3 11.6 17.4#
122 17.8 8.2 12.4#





#32
Benzo(a)anthracene
Concen: 0.097 ng
RT: 21.329 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

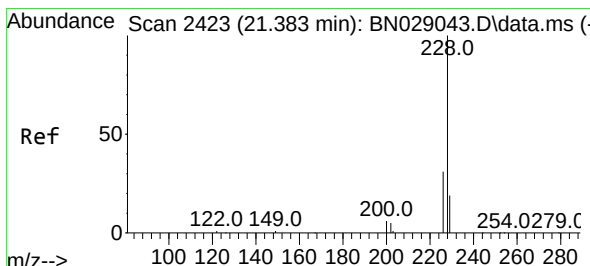
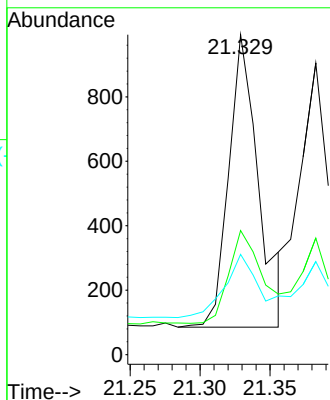
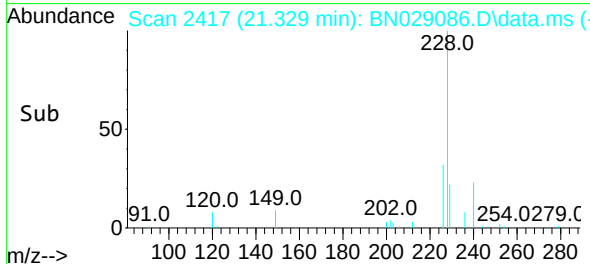
Instrument :
BNA_N
ClientSampleId :
MW-105



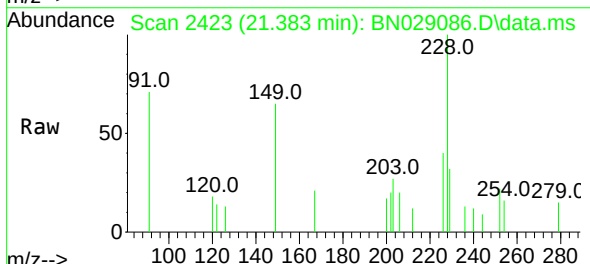
Tgt Ion:228 Resp: 135
Ion Ratio Lower Upper
228 100
226 38.8 23.8 35.6
229 31.3 16.0 24.0

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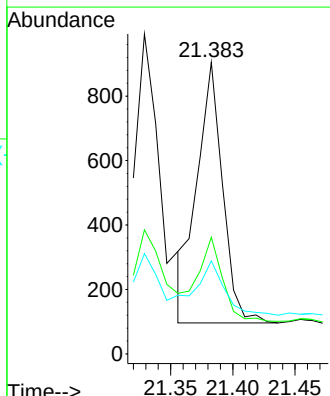
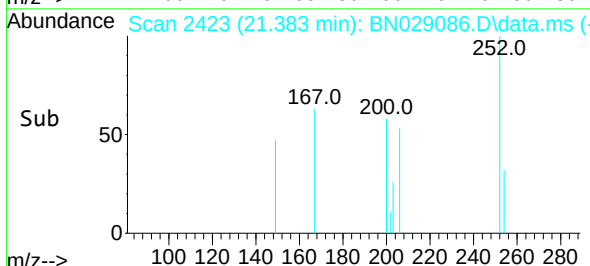
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

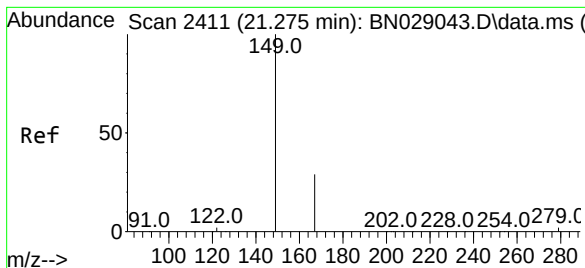


#33
Chrysene
Concen: 0.085 ng
RT: 21.383 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



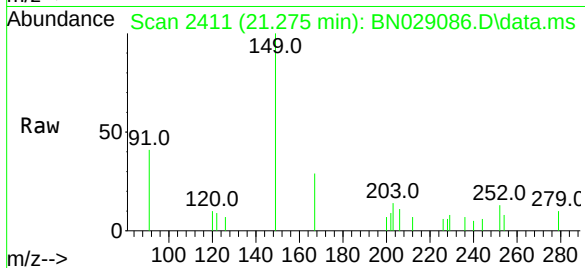
Tgt Ion:228 Resp: 1164
Ion Ratio Lower Upper
228 100
226 40.0 25.4 38.0#
229 31.9 16.0 24.0#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.144 ng
RT: 21.275 min Scan# 2411
Delta R.T. 0.000 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

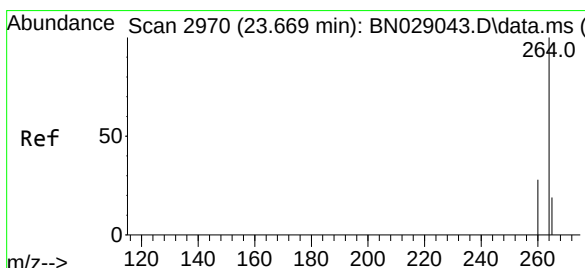
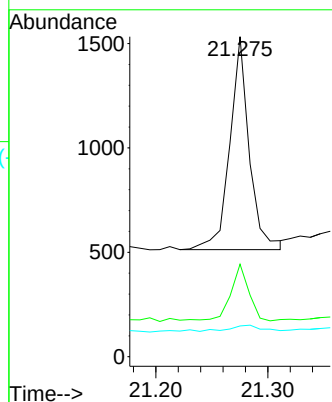
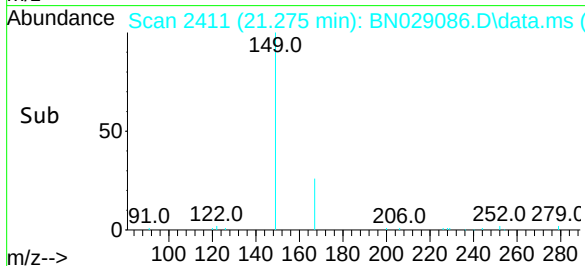
Instrument :
BNA_N
ClientSampleId :
MW-105



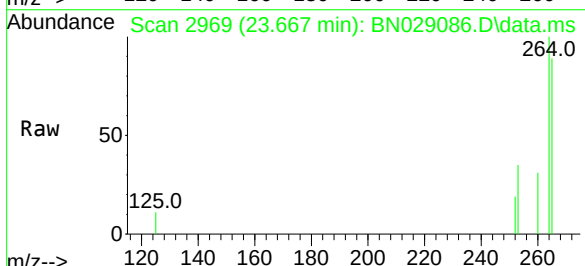
Tgt Ion:149 Resp: 1230
Ion Ratio Lower Upper
149 100
167 24.4 23.4 35.2
279 4.7 3.4 5.2

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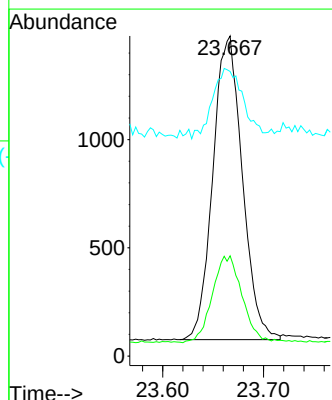
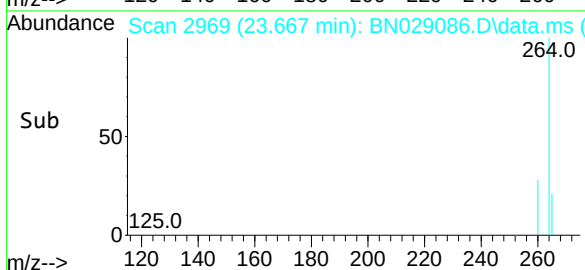
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

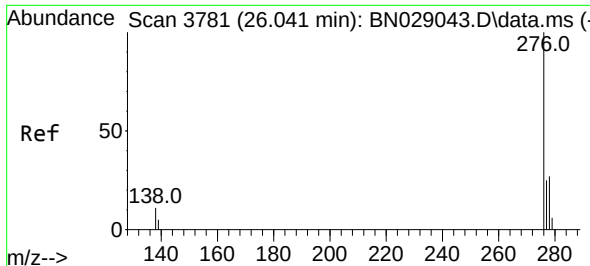


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.667 min Scan# 2969
Delta R.T. -0.003 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



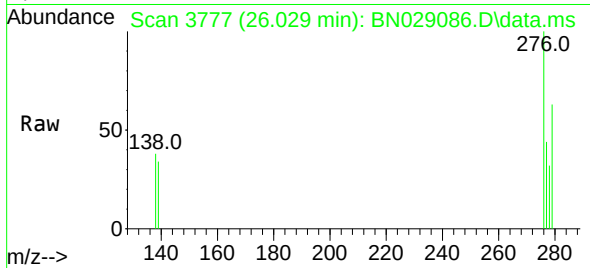
Tgt Ion:264 Resp: 2841
Ion Ratio Lower Upper
264 100
260 31.3 23.9 35.9
265 88.9 52.7 79.1#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.050 ng
RT: 26.029 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

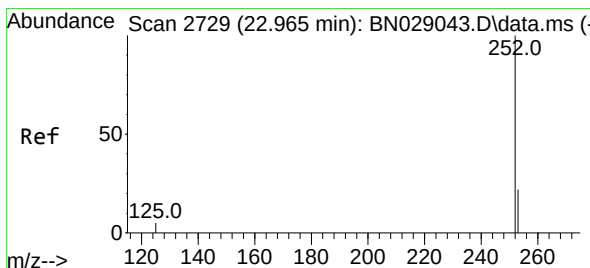
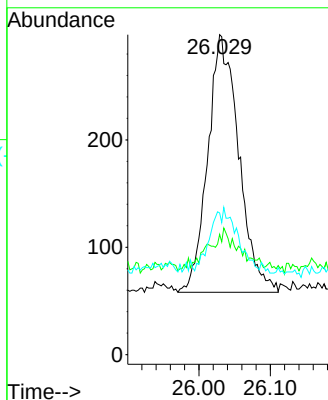
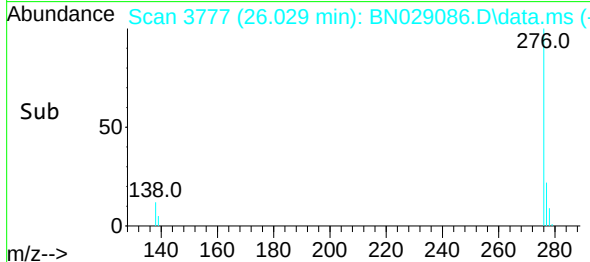
Instrument :
BNA_N
ClientSampleId :
MW-105



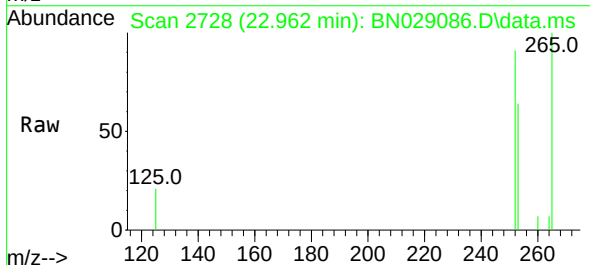
Tgt Ion:276 Resp: 72
Ion Ratio Lower Upper
276 100
138 5.7 9.6 14.4#
277 9.7 19.4 29.0#

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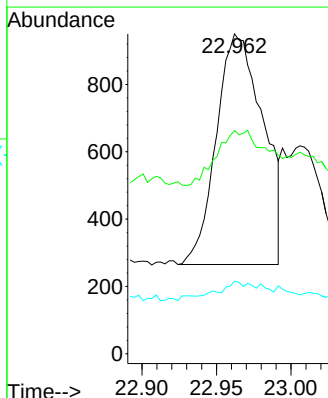
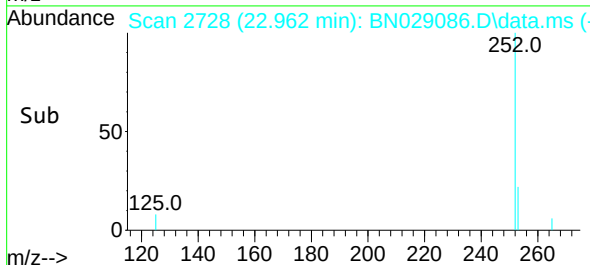
Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023

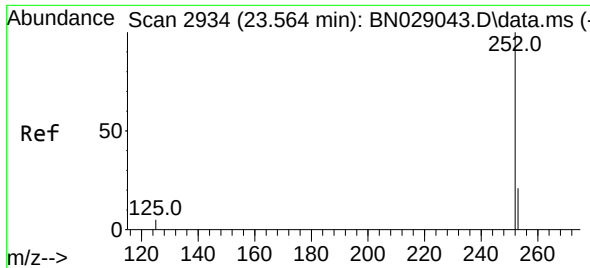


#37
Benzo(b)fluoranthene
Concen: 0.098 ng
RT: 22.962 min Scan# 2728
Delta R.T. -0.003 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



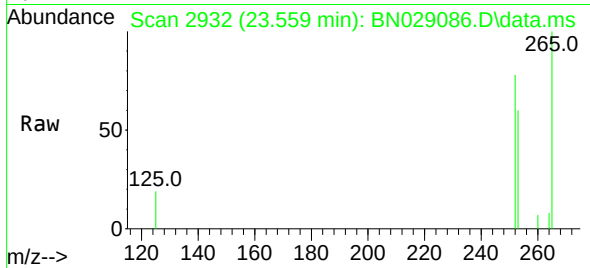
Tgt Ion:252 Resp: 1500
Ion Ratio Lower Upper
252 100
253 69.8 23.0 34.6#
125 22.7 5.4 8.0#





#39
Benzo(a)pyrene
Concen: 0.089 ng
RT: 23.559 min Scan# 2932
Delta R.T. -0.006 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38

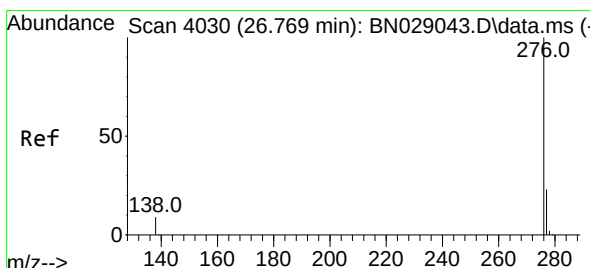
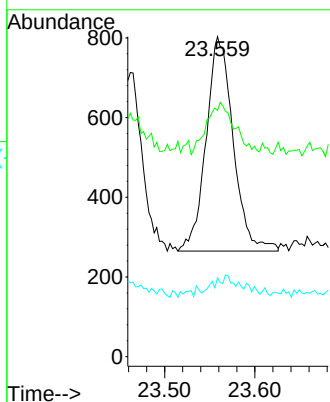
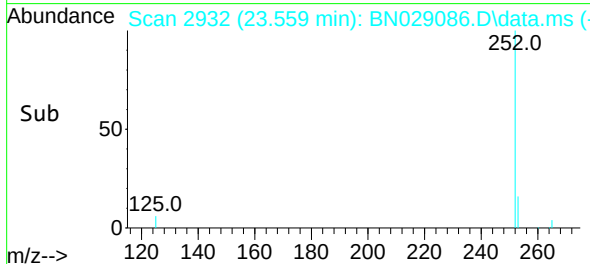
Instrument :
BNA_N
ClientSampleId :
MW-105



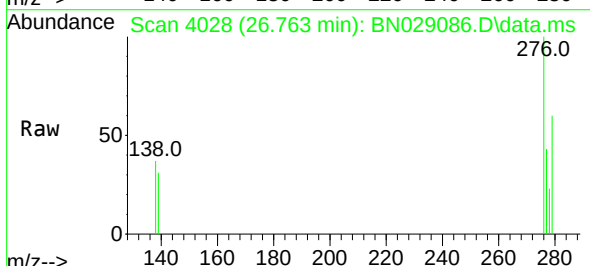
Tgt Ion:252 Resp: 1124
Ion Ratio Lower Upper
252 100
253 77.0 25.3 37.9#
125 24.7 6.5 9.7#

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Reviewed By :Yogesh Patel 12/08/2023
Supervised By :mohammad ahmed 12/08/2023



#41
Benzo(g,h,i)perylene
Concen: 0.062 ng
RT: 26.763 min Scan# 4028
Delta R.T. -0.006 min
Lab File: BN029086.D
Acq: 07 Dec 2023 10:38



Tgt Ion:276 Resp: 763
Ion Ratio Lower Upper
276 100
277 43.0 20.3 30.5#
138 37.5 9.2 13.8#

