

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028390.D
 Acq On : 25 Oct 2023 00:50
 Operator : MA/JU
 Sample : 04938-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-4(0-2)

Manual Integrations
 APPROVED

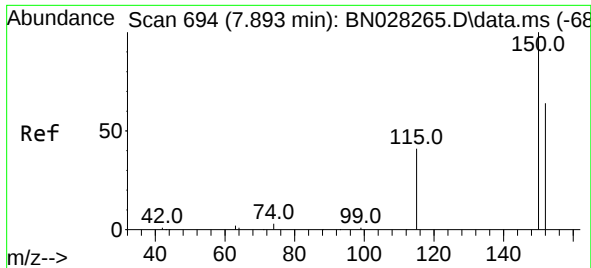
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 25 01:34:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

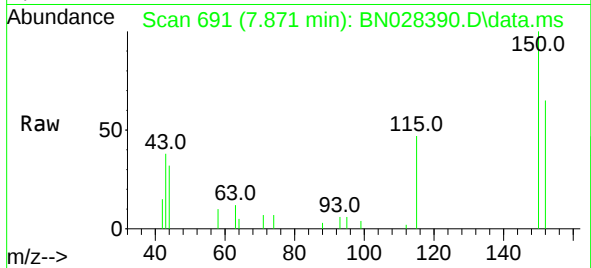
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4664	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	15681	0.400	ng	#-0.02
13) Acenaphthene-d10	14.523	164	8365	0.400	ng	-0.01
19) Phenanthrene-d10	17.282	188	13366	0.400	ng	#-0.01
29) Chrysene-d12	21.480	240	14193	0.400	ng	# 0.00
35) Perylene-d12	23.931	264	16772	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	2206	0.152	ng	0.00
5) Phenol-d6	7.055	99	3139	0.176	ng	0.00
8) Nitrobenzene-d5	9.070	82	3112	0.224	ng	-0.03
11) 2-Methylnaphthalene-d10	12.272	152	3729	0.158	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	600	0.147	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	4840	0.164	ng	-0.02
27) Fluoranthene-d10	19.319	212	4468	0.125	ng	0.00
31) Terphenyl-d14	19.909	244	6559	0.218	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.474	93	438	0.032	ng	# 1
9) Naphthalene	10.735	128	42912	1.055	ng	98
12) 2-Methylnaphthalene	12.343	142	10939	0.378	ng	# 89
16) Acenaphthylene	14.245	152	43293	1.152	ng	99
17) Acenaphthene	14.587	154	128035	5.406	ng	99
18) Fluorene	15.569	166	119137	3.821	ng	99
25) Phenanthrene	17.319	178	2187182	59.781	ng	100
26) Anthracene	17.418	178	441739	12.641	ng	# 94
28) Fluoranthene	19.356	202	3888718	84.604	ng	99
30) Pyrene	19.723	202	3440589	70.844	ng	98
32) Benzo(a)anthracene	21.471	228	1807775	35.854	ng	98
33) Chrysene	21.524	228	1688324	34.986	ng	96
34) Bis(2-ethylhexyl)phtha...	21.336	149	225439	5.853	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.504	276	1629359	24.096	ng	96
37) Benzo(b)fluoranthene	23.180	252	2612908	49.841	ng	# 89
38) Benzo(k)fluoranthene	23.221	252	1029983m	19.313	ng	
39) Benzo(a)pyrene	23.826	252	1933434m	37.074	ng	
40) Dibenzo(a,h)anthracene	26.510	278	366883	6.683	ng	97
41) Benzo(g,h,i)perylene	27.314	276	1721083	30.366	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

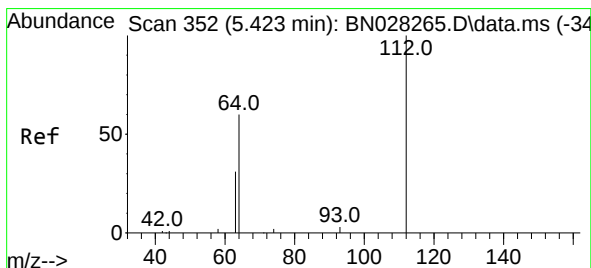
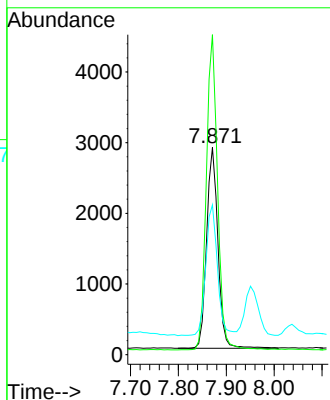
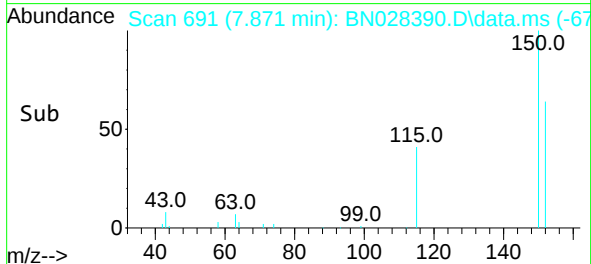
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:152 Resp: 4664
Ion Ratio Lower Upper
152 100
150 154.5 121.6 182.4
115 72.3 54.3 81.5

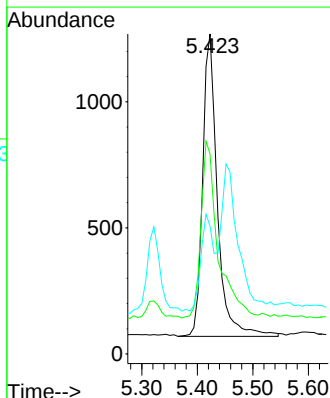
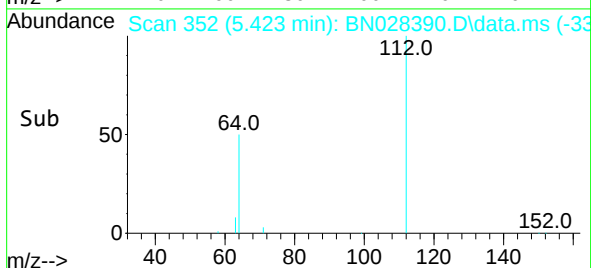
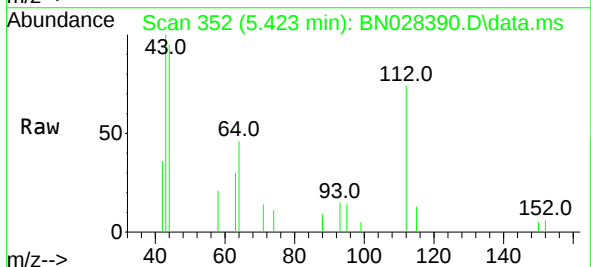
Manual Integrations
APPROVED

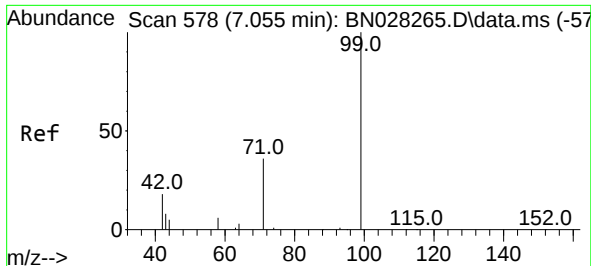
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.423 min Scan# 352
Delta R.T. -0.007 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

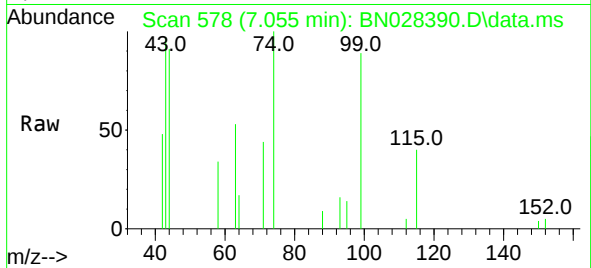
Tgt Ion:112 Resp: 2206
Ion Ratio Lower Upper
112 100
64 67.7 46.9 70.3
63 26.3 25.0 37.4





#5
Phenol-d6
Concen: 0.176 ng
RT: 7.055 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

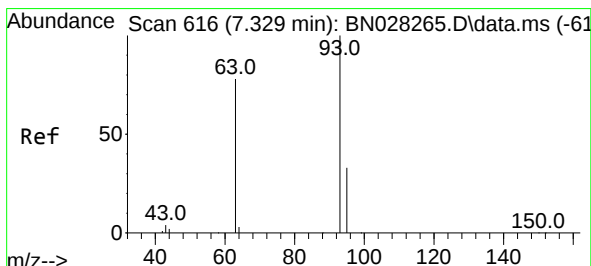
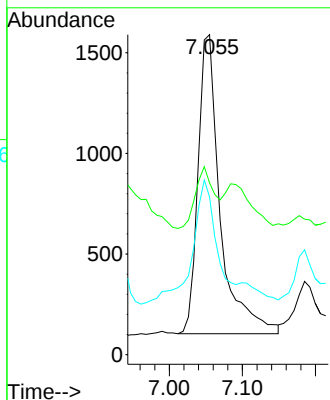
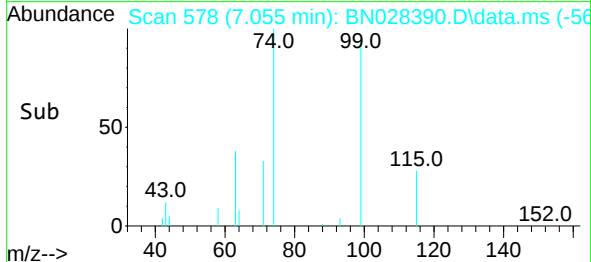
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



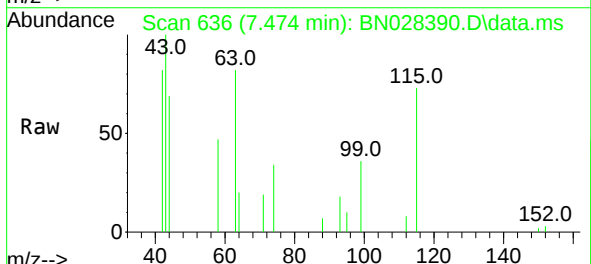
Tgt Ion: 99 Resp: 3139
Ion Ratio Lower Upper
99 100
42 17.6 15.9 23.9
71 53.5 28.6 42.8

Manual Integrations
APPROVED

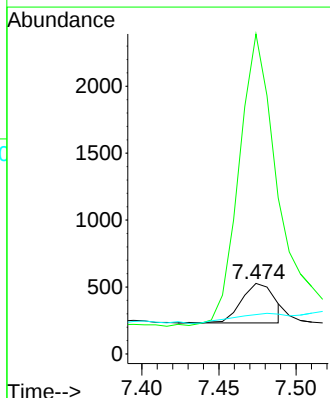
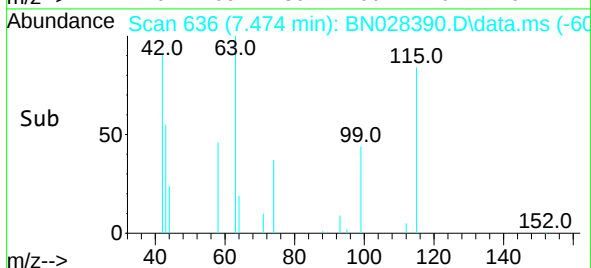
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

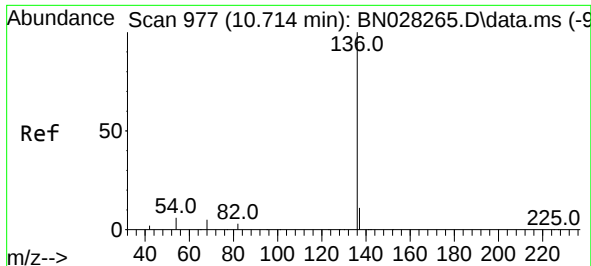


#6
bis(2-Chloroethyl)ether
Concen: 0.032 ng
RT: 7.474 min Scan# 636
Delta R.T. 0.152 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



Tgt Ion: 93 Resp: 438
Ion Ratio Lower Upper
93 100
63 753.7 62.6 93.8#
95 35.6 27.2 40.8





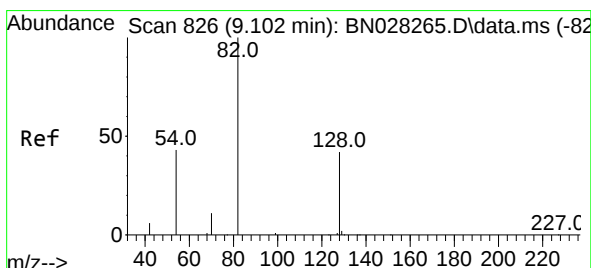
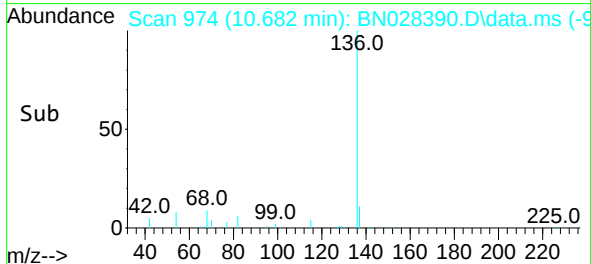
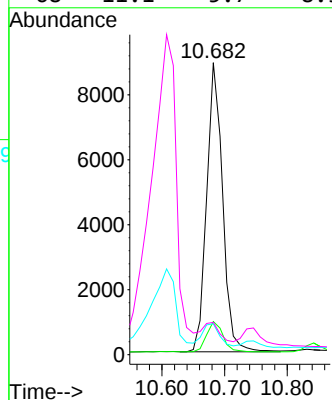
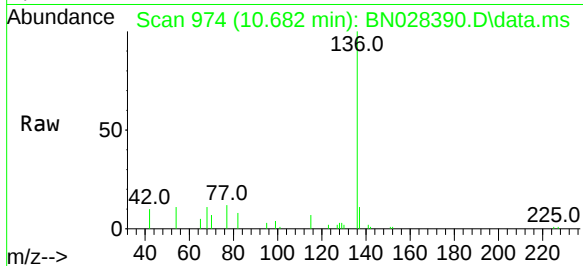
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

Instrument :
BNA_N
ClientSampleId :
A-4(0-2)

Tgt Ion:136 Resp: 1568
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.8
54 10.6 6.2 9.4
68 11.1 5.7 8.5#

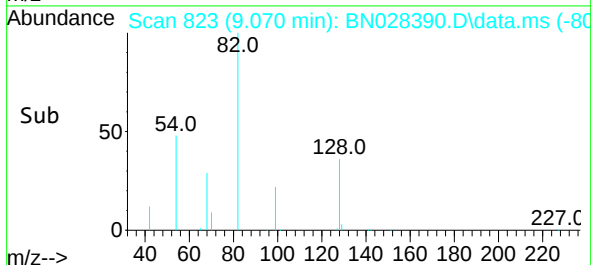
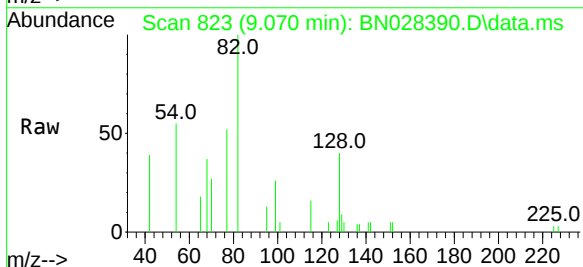
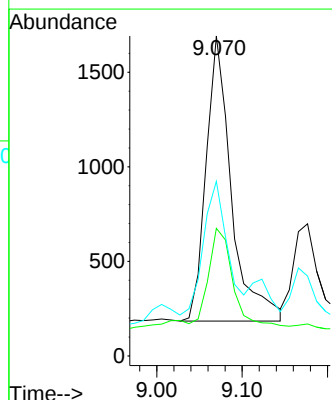
Manual Integrations
APPROVED

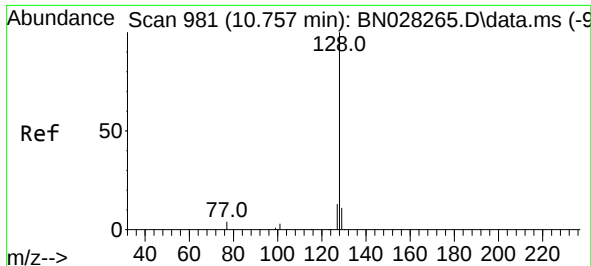
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#8
Nitrobenzene-d5
Concen: 0.224 ng
RT: 9.070 min Scan# 823
Delta R.T. -0.032 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

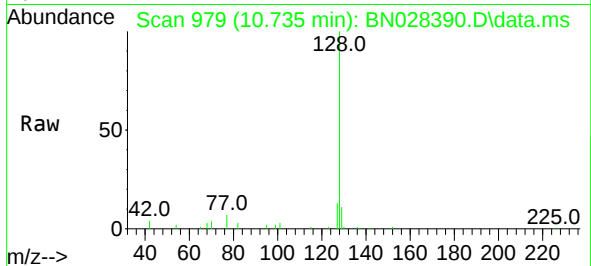
Tgt Ion: 82 Resp: 3112
Ion Ratio Lower Upper
82 100
128 39.9 36.8 55.2
54 54.6 37.4 56.2





#9
Naphthalene
Concen: 1.055 ng
RT: 10.735 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

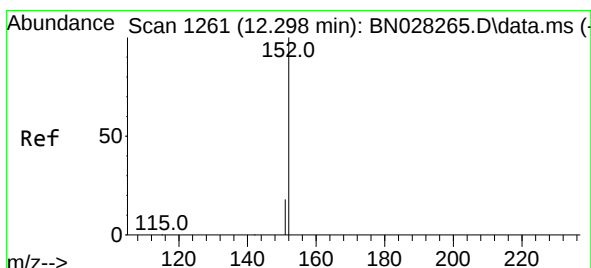
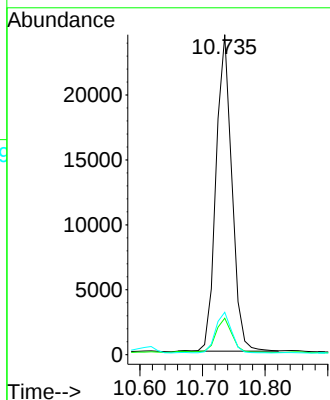
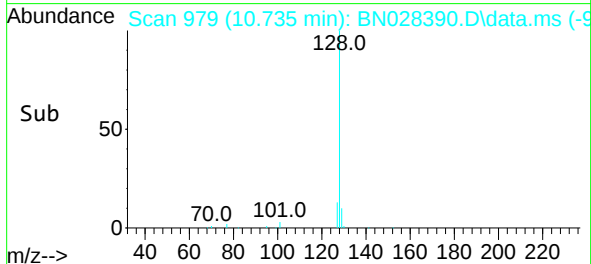
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



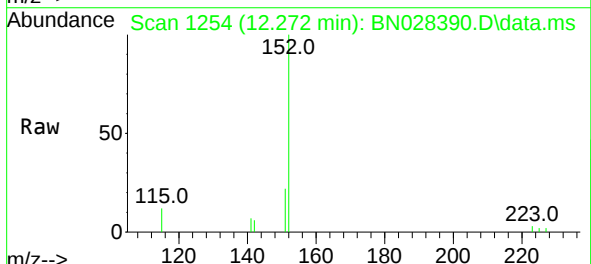
Tgt Ion:128 Resp: 42912
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.3 11.4 17.0

Manual Integrations
APPROVED

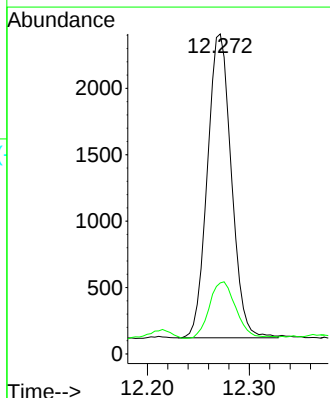
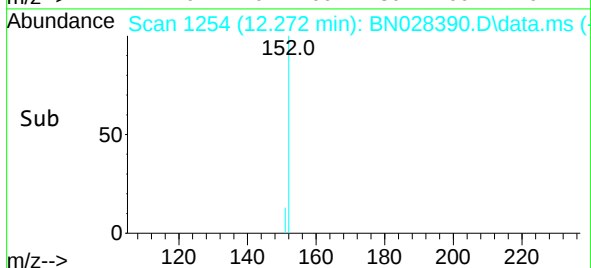
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

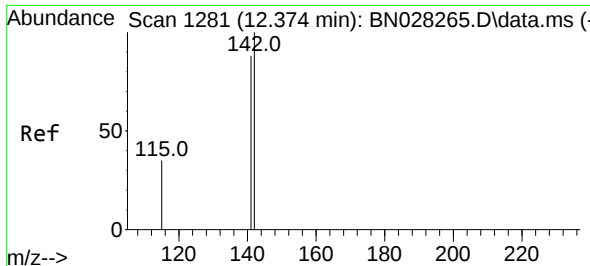


#11
2-Methylnaphthalene-d10
Concen: 0.158 ng
RT: 12.272 min Scan# 1254
Delta R.T. -0.022 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



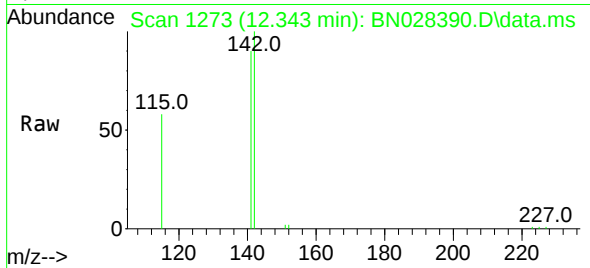
Tgt Ion:152 Resp: 3729
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1





#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 12.343 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

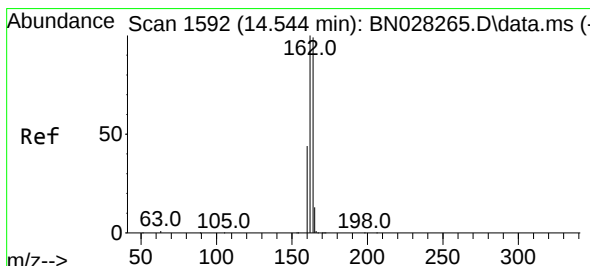
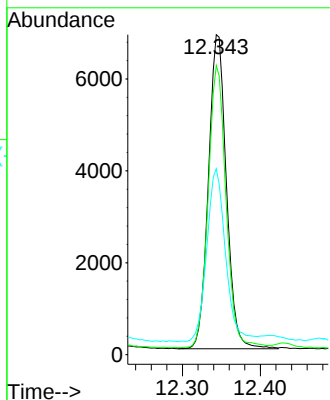
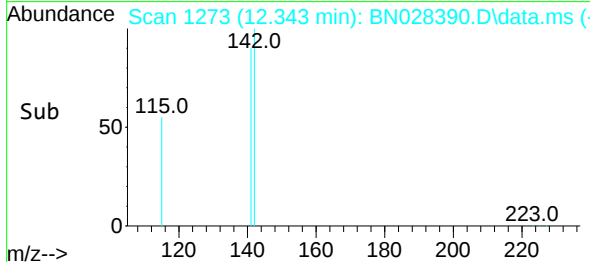
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



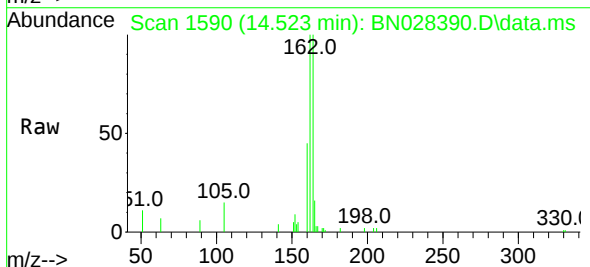
Tgt Ion:142 Resp: 10939
Ion Ratio Lower Upper
142 100
141 90.3 71.1 106.7
115 58.1 29.9 44.9

Manual Integrations
APPROVED

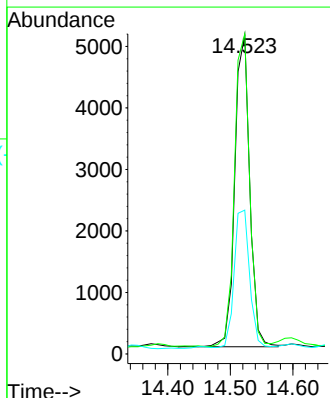
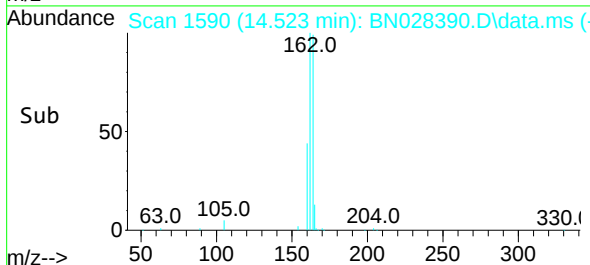
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

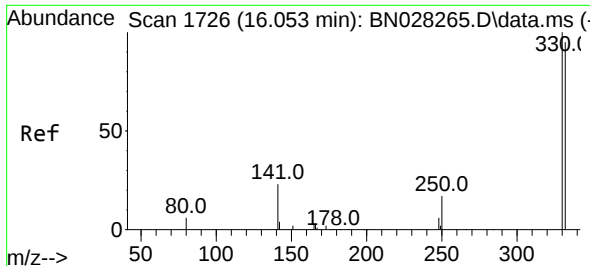


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



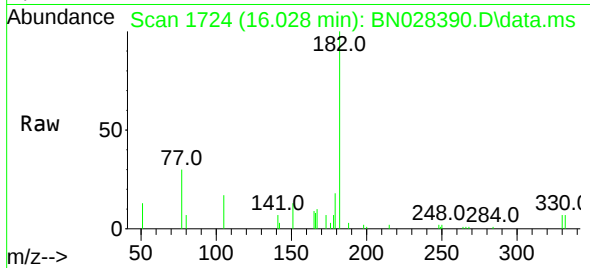
Tgt Ion:164 Resp: 8365
Ion Ratio Lower Upper
164 100
162 100.3 81.1 121.7
160 45.1 36.6 54.8





#14
2,4,6-Tribromophenol
Concen: 0.147 ng
RT: 16.028 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

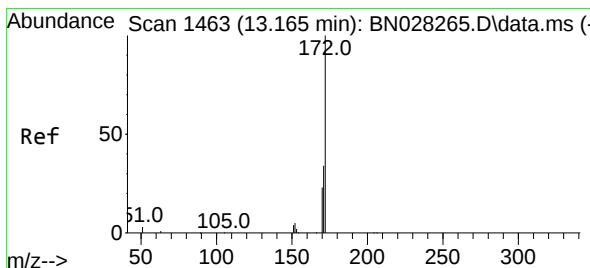
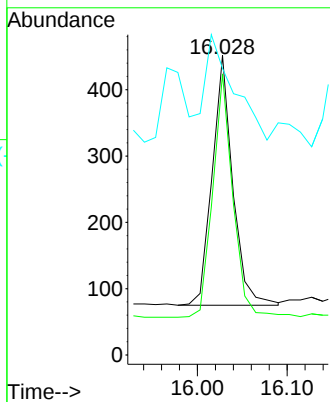
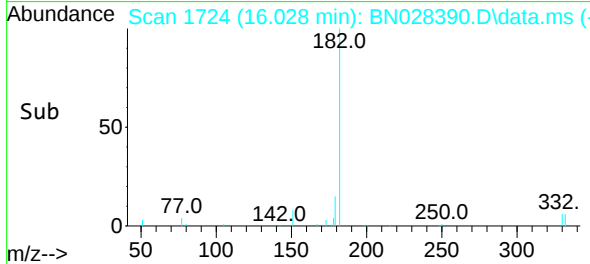
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



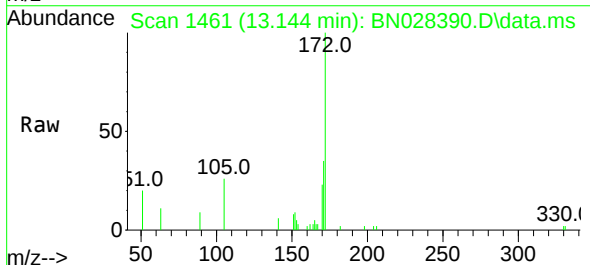
Tgt Ion: 330 Resp: 600
Ion Ratio Lower Upper
330 100
332 95.3 74.1 111.1
141 59.0 32.1 48.1

Manual Integrations
APPROVED

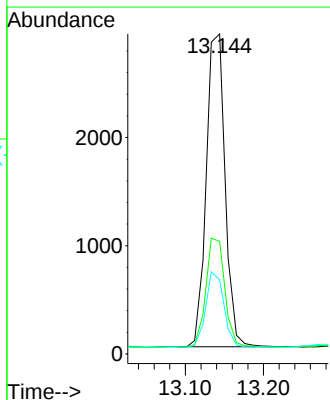
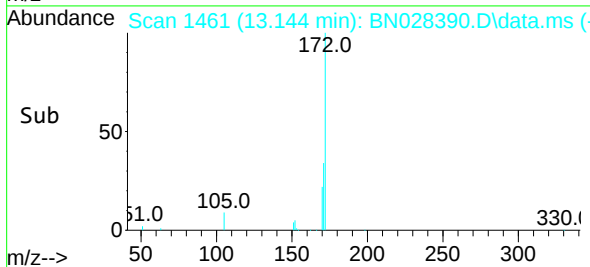
Reviewed By : Yogesh Patel 10/25/2023
Supervised By : mohammad ahmed 10/25/2023

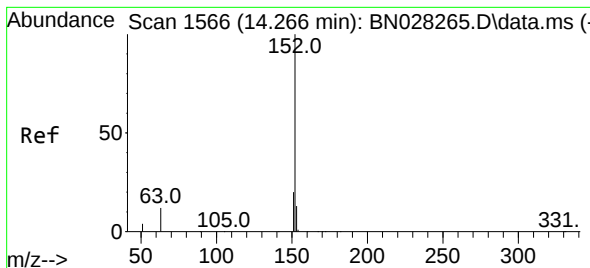


#15
2-Fluorobiphenyl
Concen: 0.164 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



Tgt Ion: 172 Resp: 4840
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.2 18.7 28.1





#16

Acenaphthylene

Concen: 1.152 ng

RT: 14.245 min Scan# 1564

Delta R.T. -0.011 min

Lab File: BN028390.D

Acq: 25 Oct 2023 00:50

Instrument :

BN028390.D

ClientSampleId :

A-4(0-2)

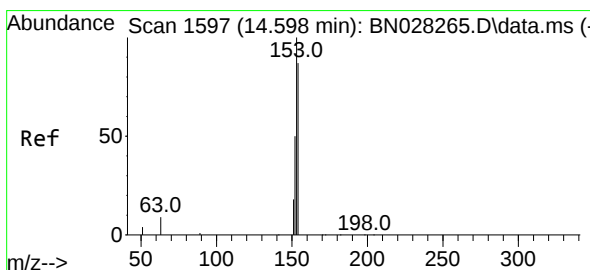
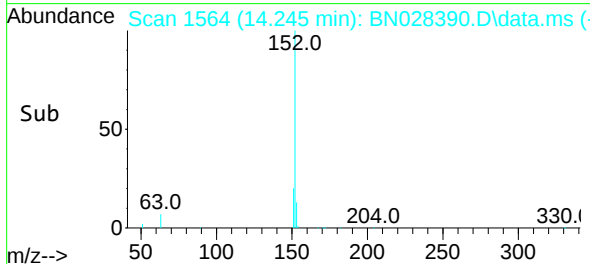
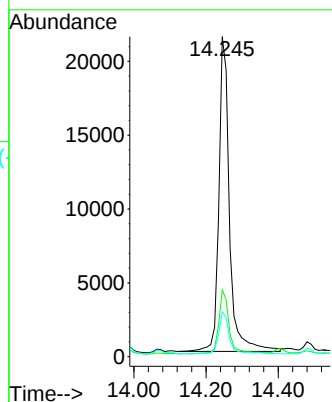
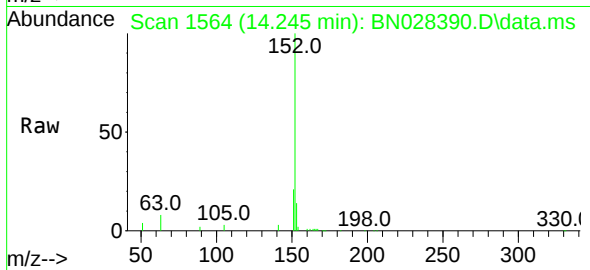
Tgt Ion:152 Resp: 43293
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.6 23.4
 153 12.9 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#17

Acenaphthene

Concen: 5.406 ng

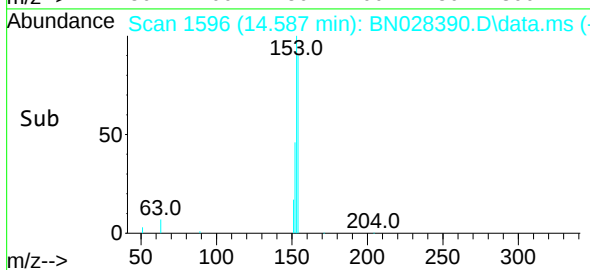
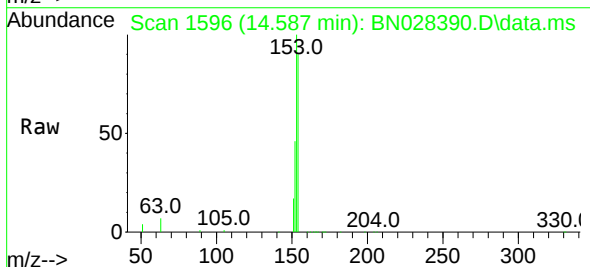
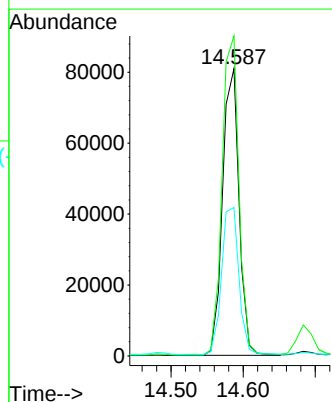
RT: 14.587 min Scan# 1596

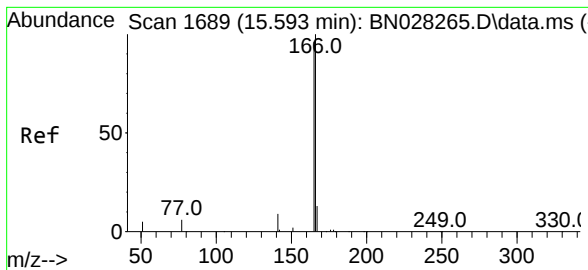
Delta R.T. -0.011 min

Lab File: BN028390.D

Acq: 25 Oct 2023 00:50

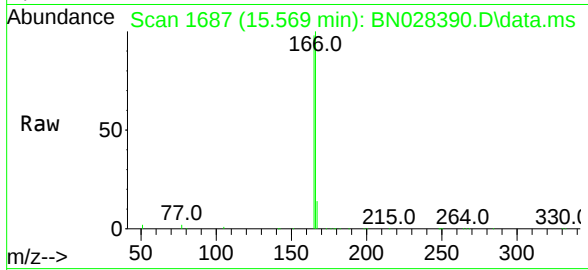
Tgt Ion:154 Resp: 128035
 Ion Ratio Lower Upper
 154 100
 153 113.9 90.7 136.1
 152 53.7 43.6 65.4





#18
Fluorene
Concen: 3.821 ng
RT: 15.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

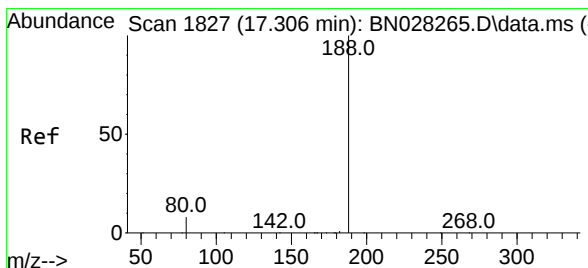
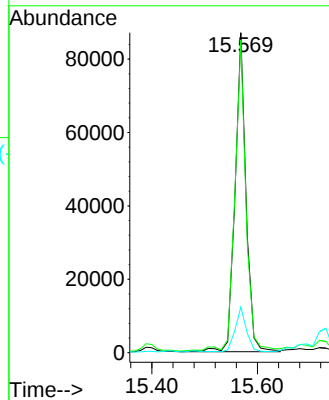
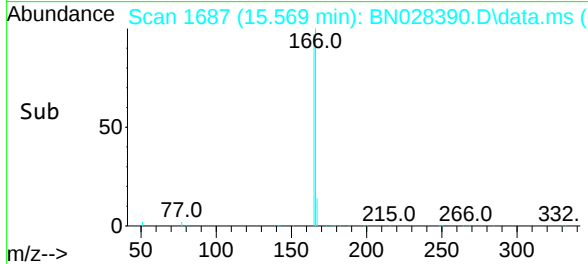
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:166 Resp: 11913
Ion Ratio Lower Upper
166 100
165 98.5 79.3 118.9
167 14.9 10.9 16.3

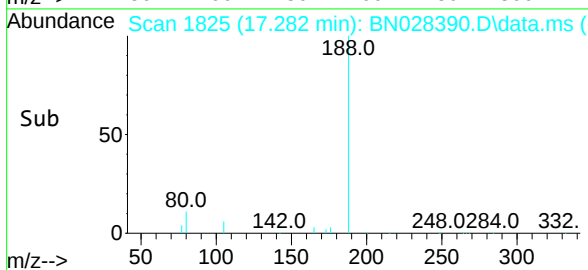
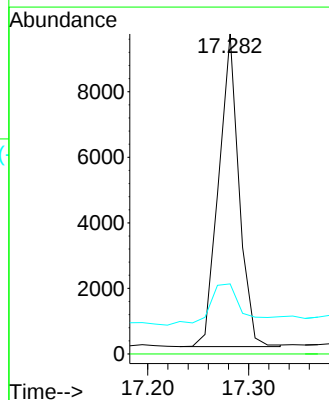
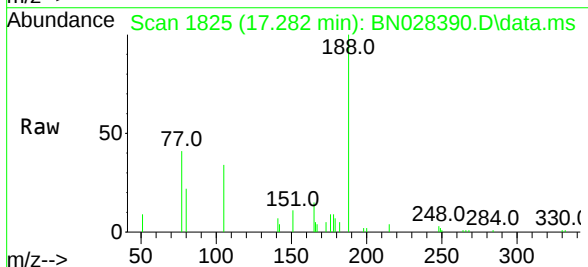
Manual Integrations
APPROVED

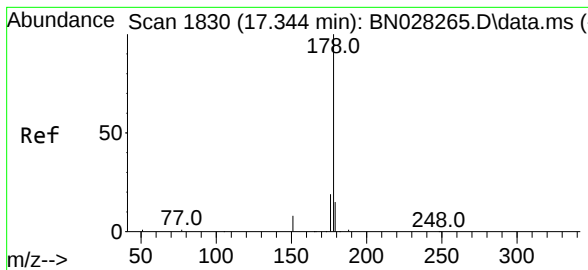
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.282 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

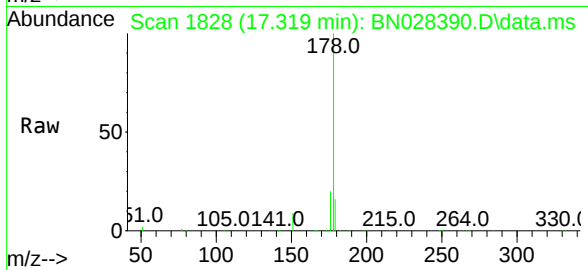
Tgt Ion:188 Resp: 13366
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 21.9 7.1 10.7#





#25
Phenanthrene
Concen: 59.781 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

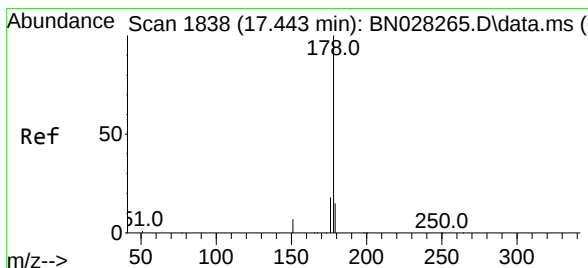
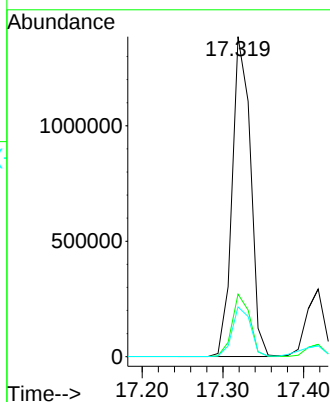
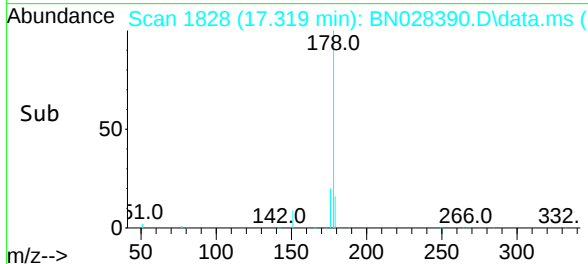
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



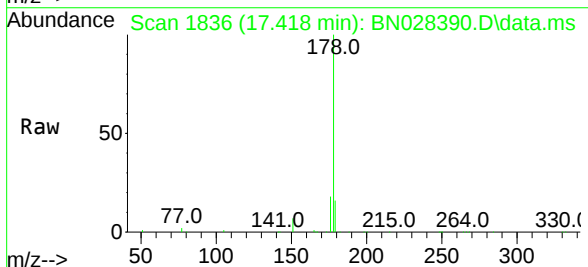
Tgt Ion:178 Resp: 218718
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

Manual Integrations
APPROVED

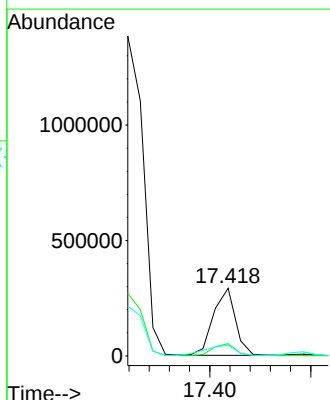
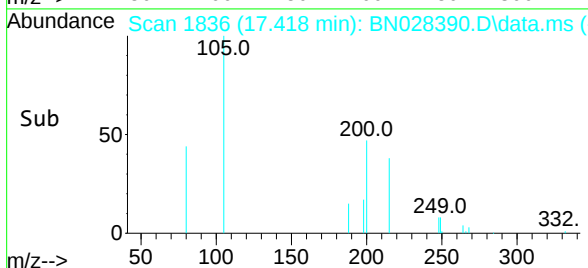
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

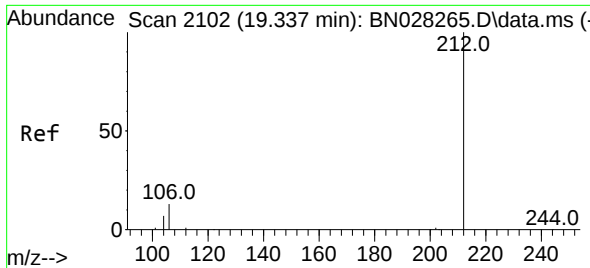


#26
Anthracene
Concen: 12.641 ng
RT: 17.418 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



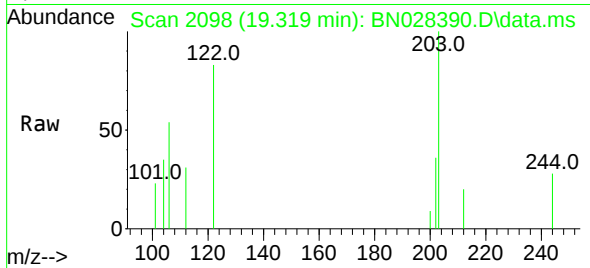
Tgt Ion:178 Resp: 441739
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 20.8 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.125 ng
RT: 19.319 min Scan# 2098
Delta R.T. -0.009 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

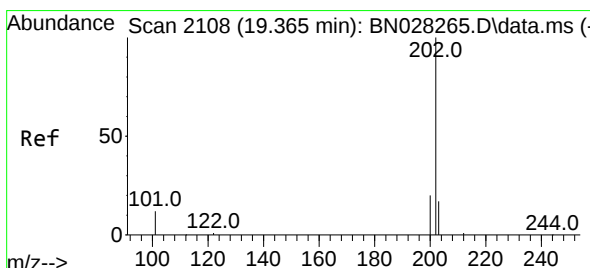
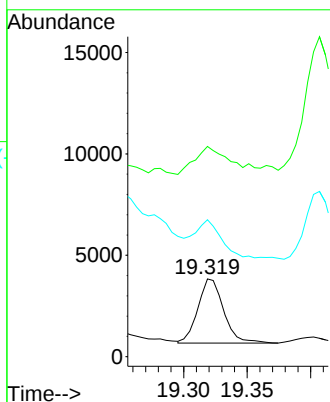
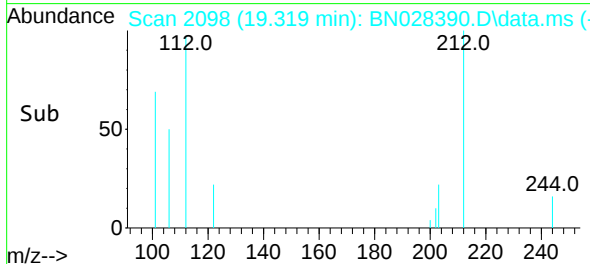
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:212 Resp: 4468
Ion Ratio Lower Upper
212 100
106 61.3 11.5 17.3
104 68.4 6.7 10.1

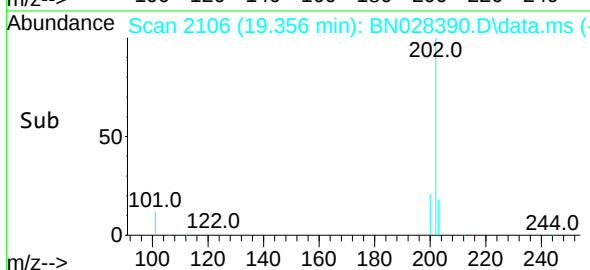
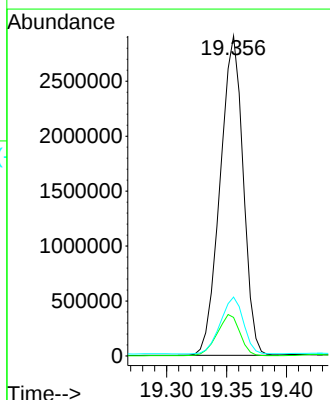
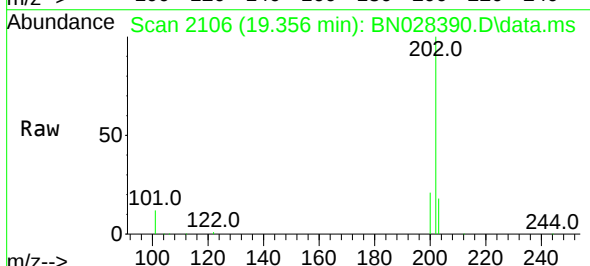
Manual Integrations
APPROVED

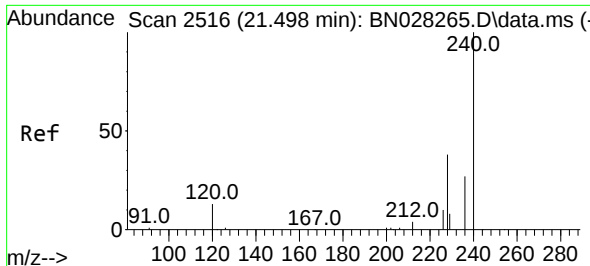
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#28
Fluoranthene
Concen: 84.604 ng
RT: 19.356 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

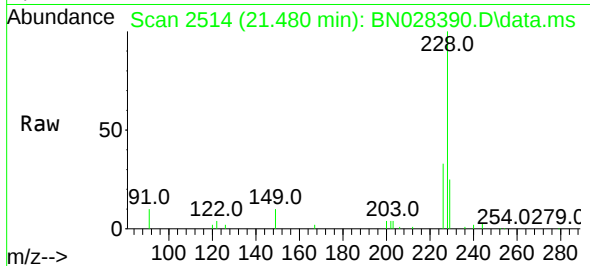
Tgt Ion:202 Resp: 3888718
Ion Ratio Lower Upper
202 100
101 12.8 10.1 15.1
203 17.7 13.9 20.9





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.480 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

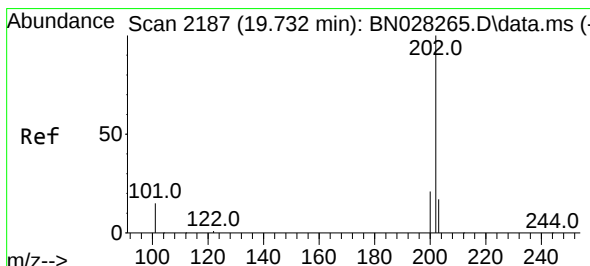
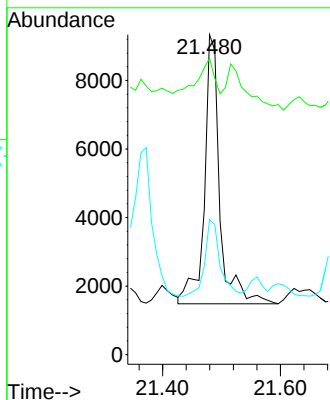
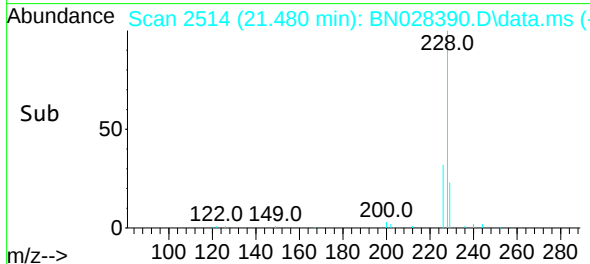
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



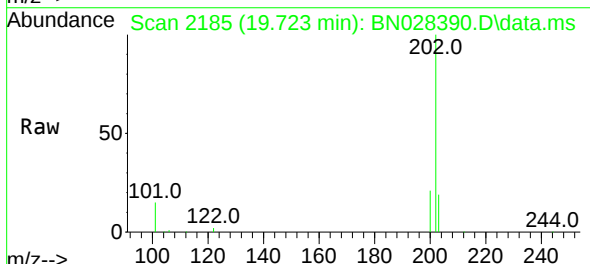
Tgt Ion:240 Resp: 1419
Ion Ratio Lower Upper
240 100
120 92.6 13.4 20.0
236 42.2 22.7 34.1

Manual Integrations
APPROVED

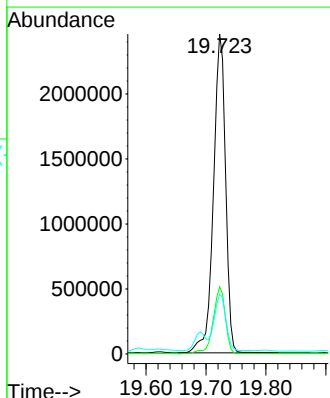
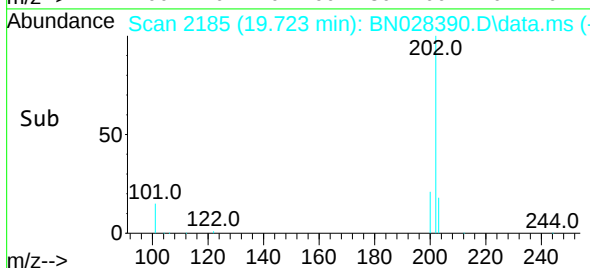
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

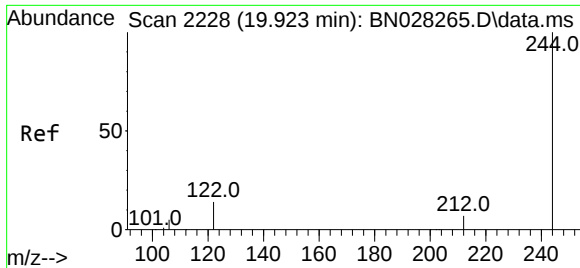


#30
Pyrene
Concen: 70.844 ng
RT: 19.723 min Scan# 2185
Delta R.T. -0.004 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50



Tgt Ion:202 Resp: 3440589
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 16.7 14.5 21.7





#31
 Terphenyl-d14
 Concen: 0.218 ng
 RT: 19.909 min Scan# 211
 Delta R.T. -0.009 min
 Lab File: BN028390.D
 Acq: 25 Oct 2023 00:50

Instrument :

BNA_N

ClientSampleId :

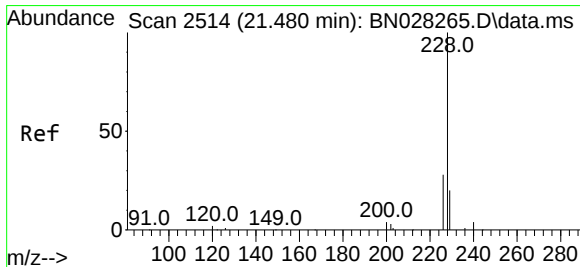
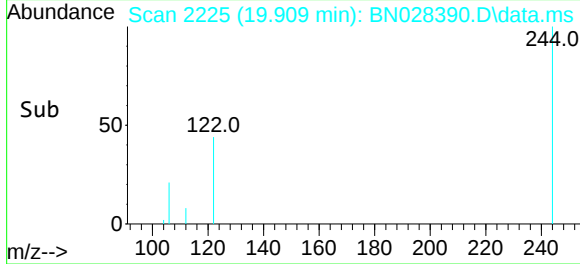
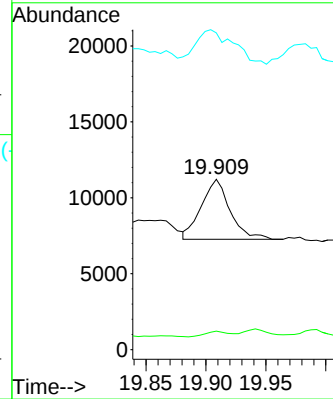
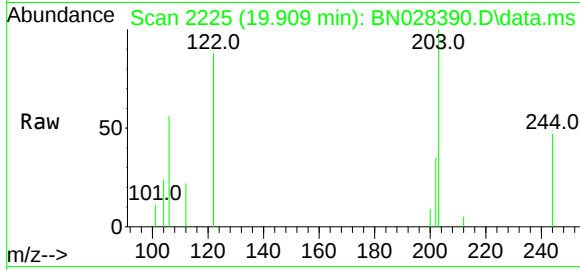
A-4(0-2)

Tgt Ion:244 Resp: 655
 Ion Ratio Lower Upper
 244 100
 212 10.9 6.6 10.0
 122 185.9 11.7 17.5

Manual Integrations

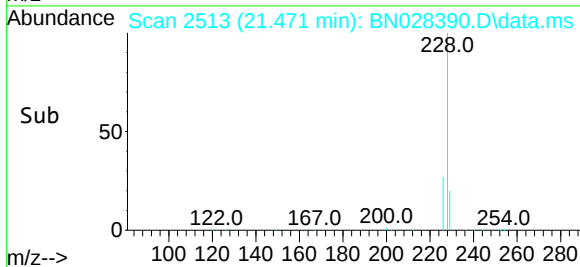
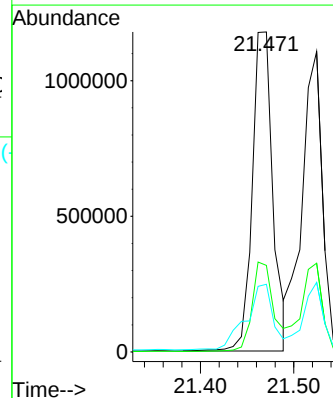
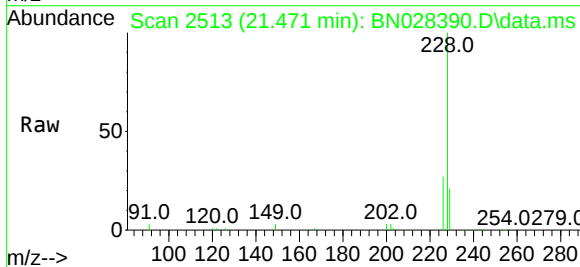
APPROVED

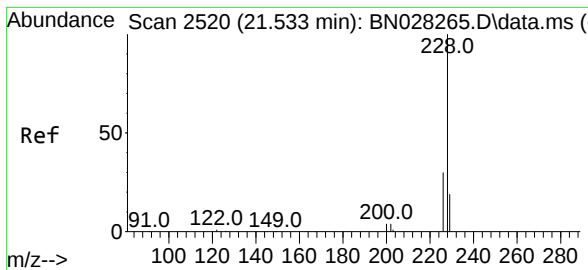
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#32
 Benzo(a)anthracene
 Concen: 35.854 ng
 RT: 21.471 min Scan# 2513
 Delta R.T. 0.000 min
 Lab File: BN028390.D
 Acq: 25 Oct 2023 00:50

Tgt Ion:228 Resp: 1807775
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.9 34.3
 229 21.2 16.6 24.8





#33

Chrysene

Concen: 34.986 ng

RT: 21.524 min Scan# 2152

Delta R.T. 0.000 min

Lab File: BN028390.D

Acq: 25 Oct 2023 00:50

Instrument :

BNA_N

ClientSampleId :

A-4(0-2)

Tgt Ion:228 Resp: 1688324

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

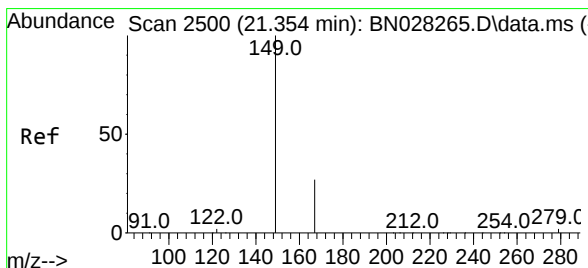
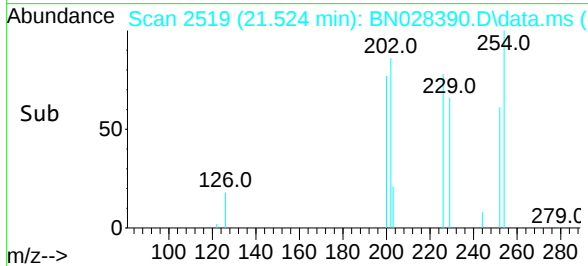
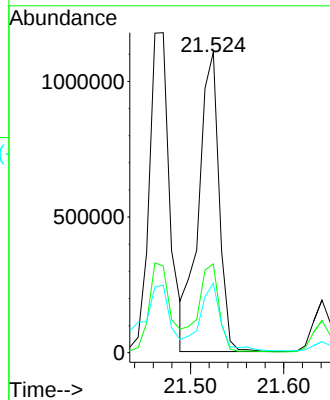
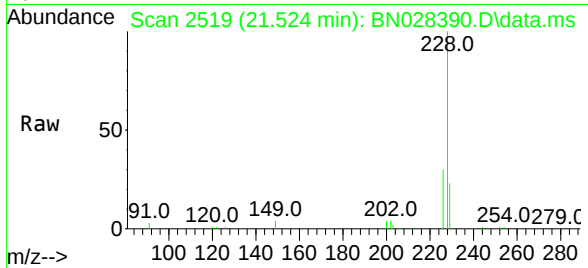
229 23.2 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.853 ng

RT: 21.336 min Scan# 2498

Delta R.T. -0.009 min

Lab File: BN028390.D

Acq: 25 Oct 2023 00:50

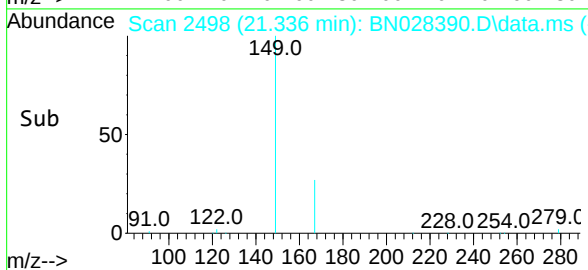
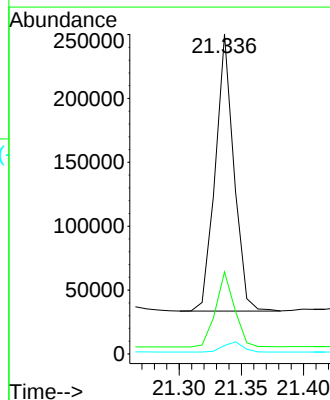
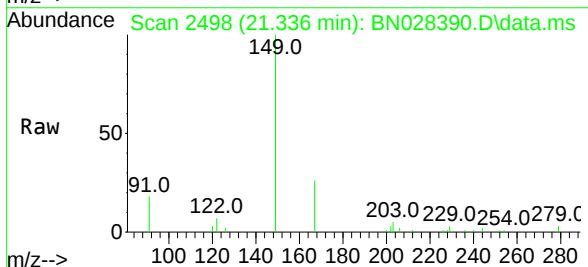
Tgt Ion:149 Resp: 225439

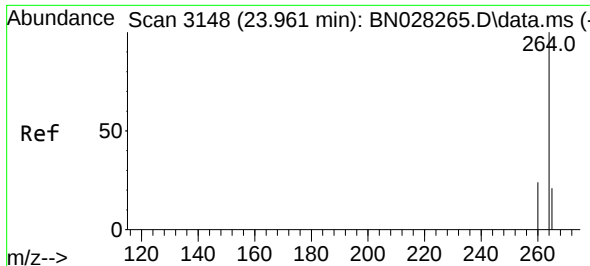
Ion Ratio Lower Upper

149 100

167 27.4 22.6 34.0

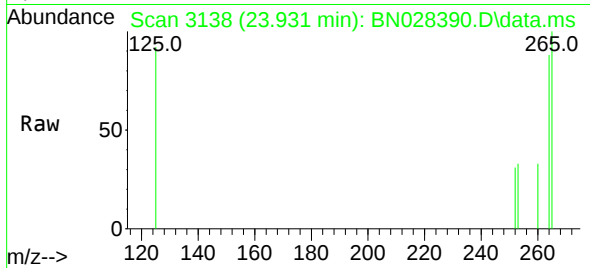
279 3.9 4.2 6.2#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.931 min Scan# 3148
Delta R.T. -0.006 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

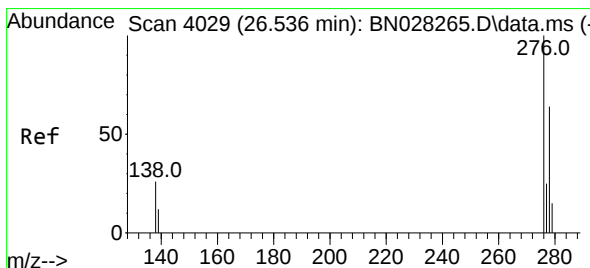
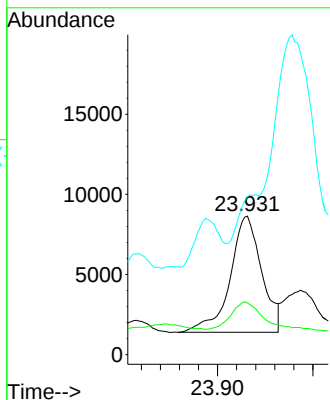
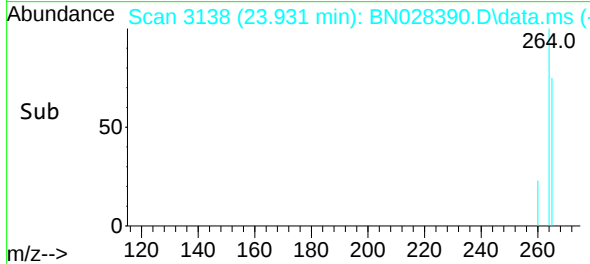
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:264 Resp: 16772
Ion Ratio Lower Upper
264 100
260 37.3 20.7 31.1
265 114.2 38.3 57.5

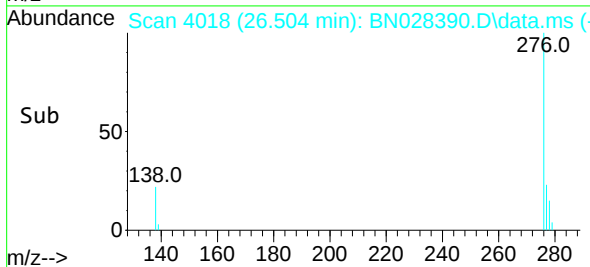
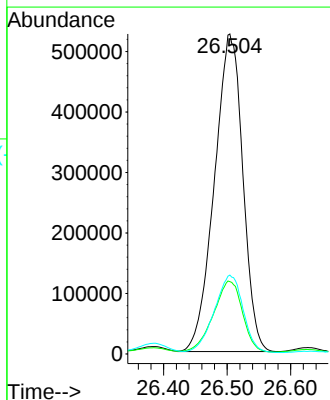
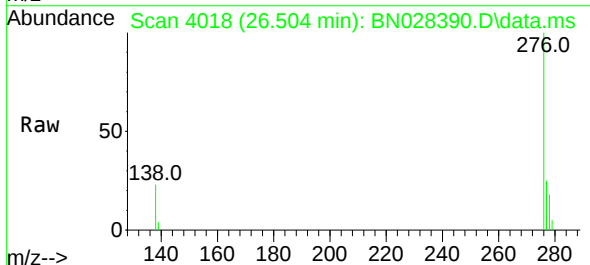
Manual Integrations
APPROVED

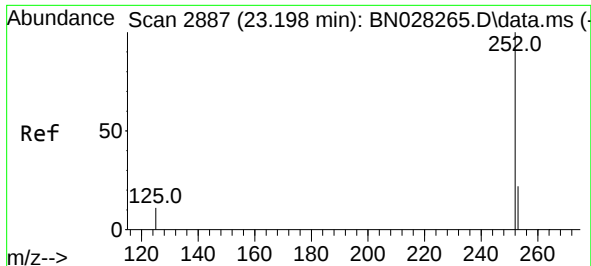
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 24.096 ng
RT: 26.504 min Scan# 4018
Delta R.T. 0.000 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

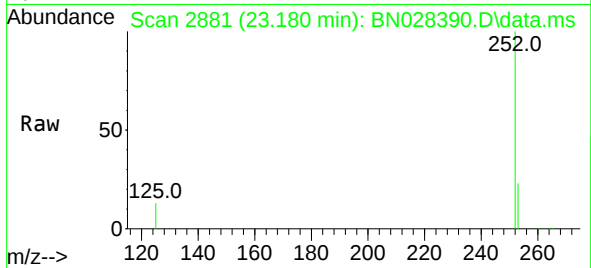
Tgt Ion:276 Resp: 1629359
Ion Ratio Lower Upper
276 100
138 22.8 21.3 31.9
277 24.6 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 49.841 ng
RT: 23.180 min Scan# 2881
Delta R.T. 0.003 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

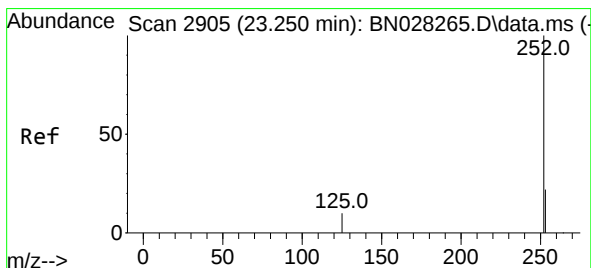
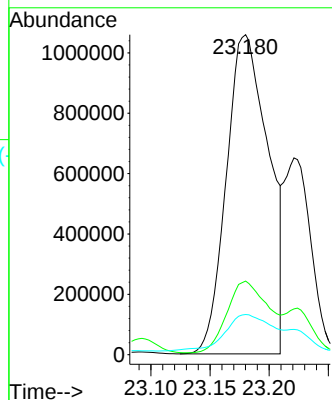
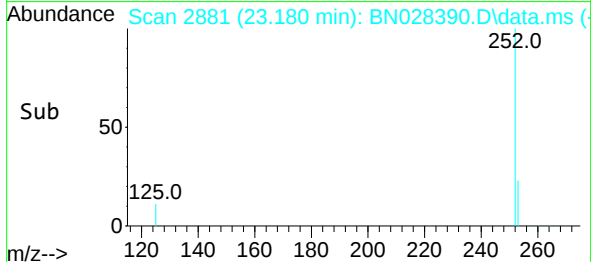
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:252 Resp: 2612908
Ion Ratio Lower Upper
252 100
253 23.0 21.8 32.8
125 12.5 15.6 23.4

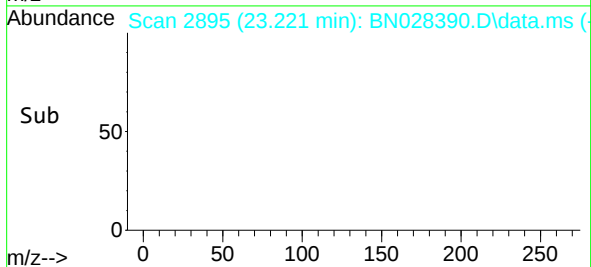
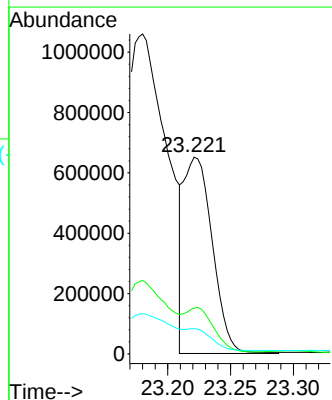
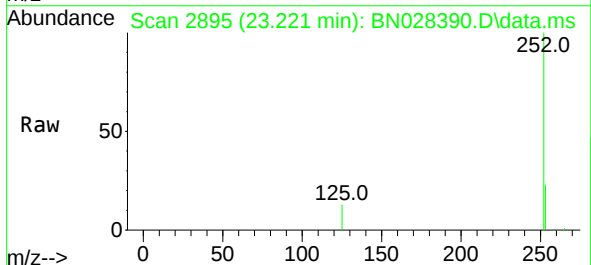
Manual Integrations
APPROVED

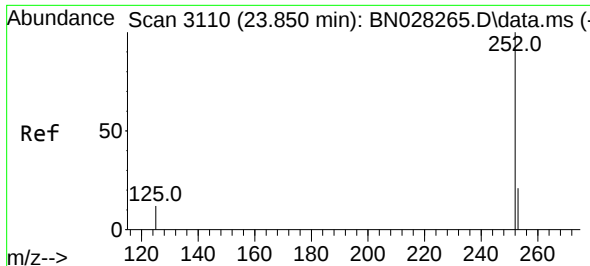
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#38
Benzo(k)fluoranthene
Concen: 19.313 ng m
RT: 23.221 min Scan# 2895
Delta R.T. -0.006 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

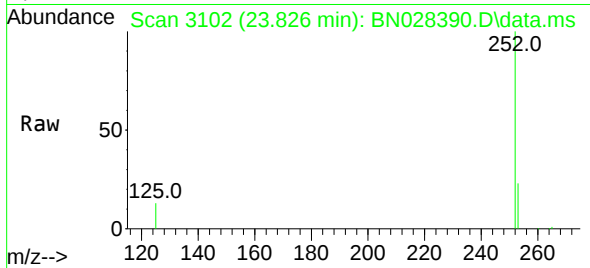
Tgt Ion:252 Resp: 1029983
Ion Ratio Lower Upper
252 100
253 23.2 22.0 33.0
125 12.8 15.3 22.9





#39
Benzo(a)pyrene
Concen: 37.074 ng m
RT: 23.826 min Scan# 3110
Delta R.T. -0.003 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

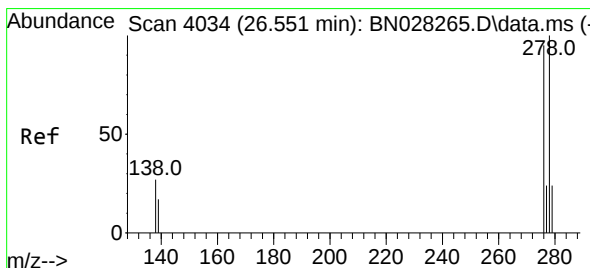
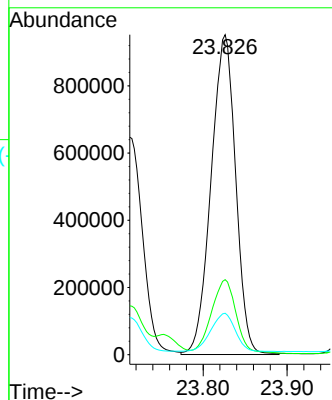
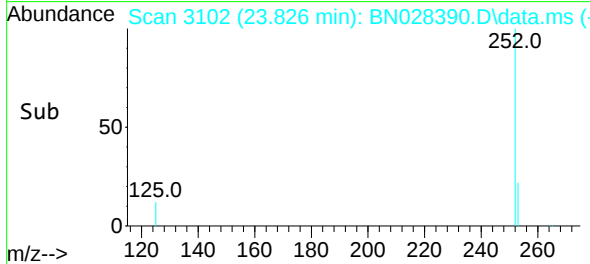
Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:252 Resp: 1933434
Ion Ratio Lower Upper
252 100
253 23.5 22.7 34.1
125 13.0 17.0 25.6

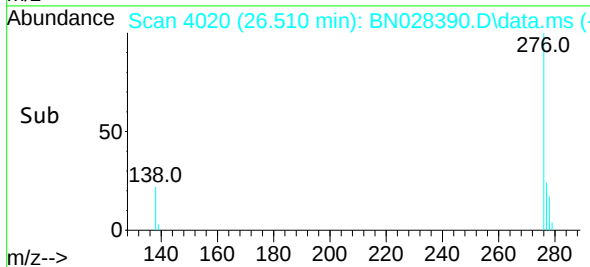
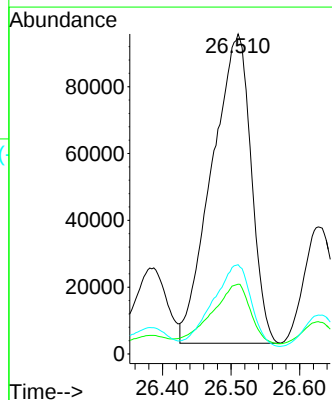
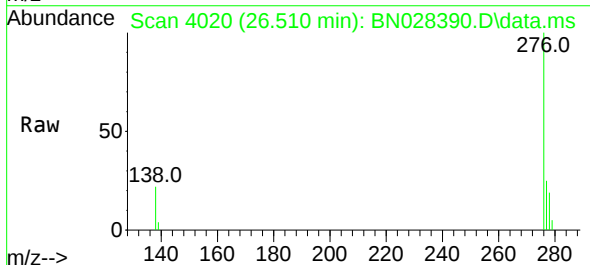
Manual Integrations
APPROVED

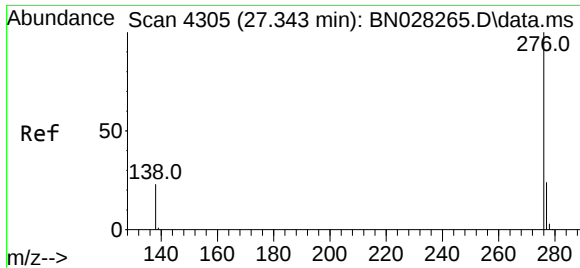
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#40
Dibenzo(a,h)anthracene
Concen: 6.683 ng
RT: 26.510 min Scan# 4020
Delta R.T. -0.009 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

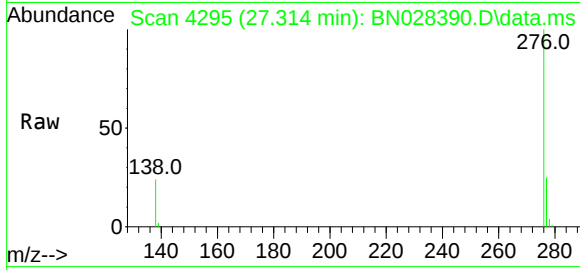
Tgt Ion:278 Resp: 366883
Ion Ratio Lower Upper
278 100
139 21.8 18.8 28.2
279 27.9 23.5 35.3





#41
Benzo(g,h,i)perylene
Concen: 30.366 ng
RT: 27.314 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN028390.D
Acq: 25 Oct 2023 00:50

Instrument :
BNA_N
ClientSampleId :
A-4(0-2)



Tgt Ion:276 Resp: 1721083
Ion Ratio Lower Upper
276 100
277 24.9 21.7 32.5
138 24.0 21.7 32.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

