

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028256.D
 Acq On : 12 Oct 2023 05:51
 Operator : MA/JU
 Sample : 04805-04 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 H-1(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 12 06:18:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	4138	0.400	ng	0.00
7) Naphthalene-d8	10.724	136	14032	0.400	ng	#-0.01
13) Acenaphthene-d10	14.555	164	9640	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	17739	0.400	ng	0.00
29) Chrysene-d12	21.515	240	13337m	0.400	ng	0.00
35) Perylene-d12	23.993	264	19866	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1537	0.125	ng	-0.01
5) Phenol-d6	7.084	99	1802	0.116	ng	0.00
8) Nitrobenzene-d5	9.112	82	2409	0.202	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	3477	0.167	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	501	0.113	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	3319	0.096	ng	-0.01
27) Fluoranthene-d10	19.356	212	4985	0.112	ng	0.00
31) Terphenyl-d14	19.941	244	5569	0.179	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	160424	4.425	ng	99
12) 2-Methylnaphthalene	12.385	142	43951	1.733	ng	96
16) Acenaphthylene	14.288	152	755161	17.683	ng	99
17) Acenaphthene	14.619	154	110629	4.064	ng	97
18) Fluorene	15.606	166	91478	2.587	ng	# 81
25) Phenanthrene	17.356	178	1359557	28.428	ng	99
26) Anthracene	17.455	178	949220	20.999	ng	# 94
28) Fluoranthene	19.388	202	2711697	49.132	ng	99
30) Pyrene	19.755	202	2932400	59.960	ng	98
32) Benzo(a)anthracene	21.506	228	1506451	33.194	ng	94
33) Chrysene	21.560	228	1301582	29.760	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	4758	0.159	ng	# 35
36) Indeno(1,2,3-cd)pyrene	26.589	276	692608	10.365	ng	97
37) Benzo(b)fluoranthene	23.232	252	1390921	21.679	ng	# 89
38) Benzo(k)fluoranthene	23.273	252	539966m	8.297	ng	
39) Benzo(a)pyrene	23.884	252	1272187m	20.970	ng	
40) Dibenzo(a,h)anthracene	26.598	278	203722	3.727	ng	99
41) Benzo(g,h,i)perylene	27.410	276	691260	12.320	ng	95

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

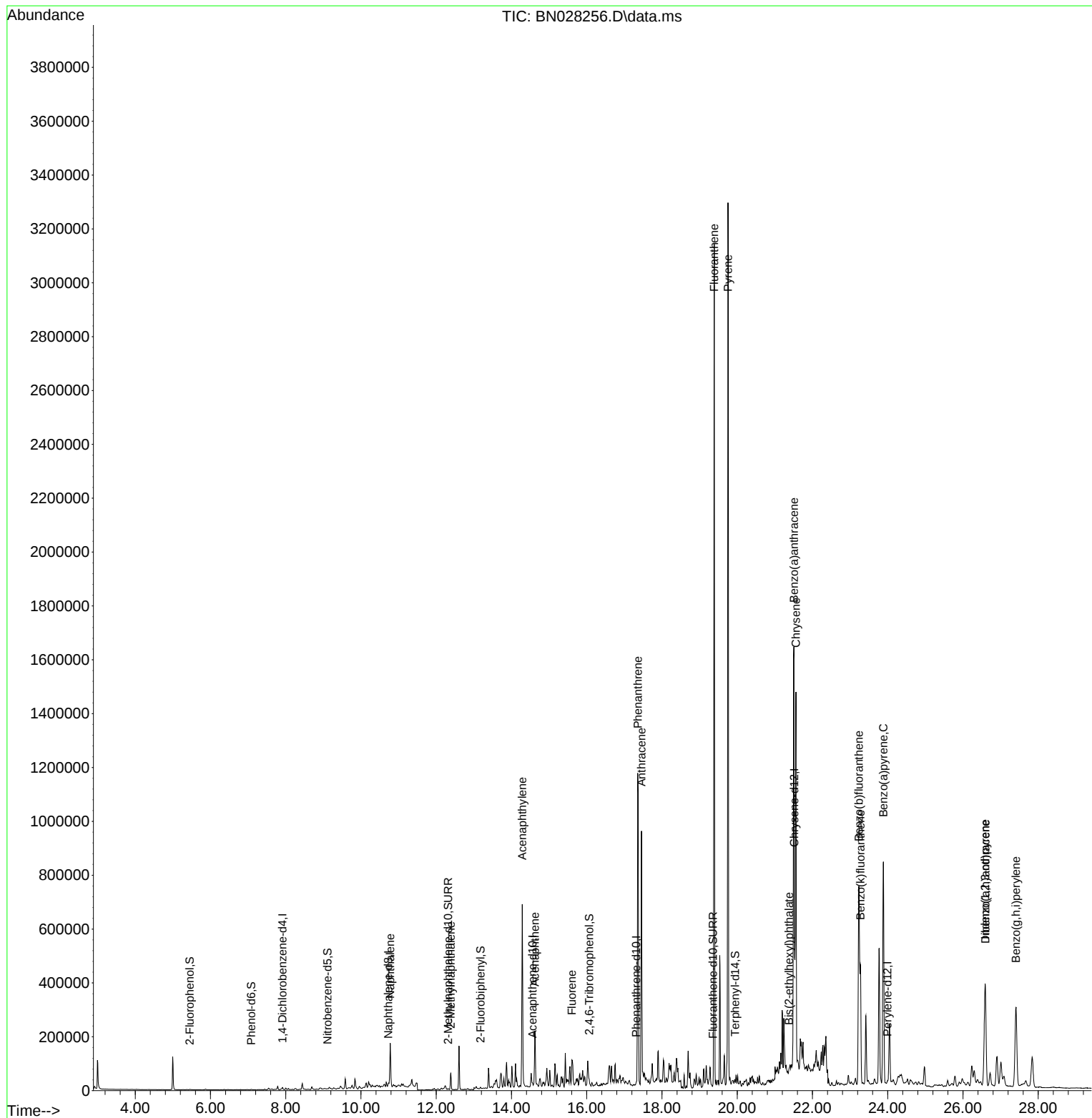
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
Data File : BN028256.D
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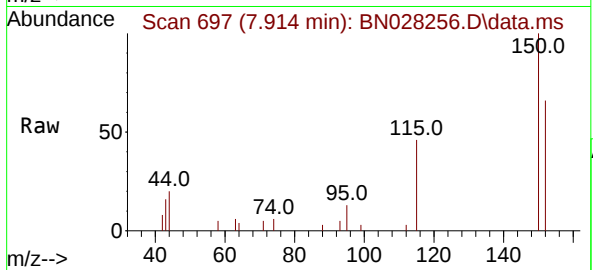
Quant Time: Oct 12 06:18:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 04:03:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 697
Delta R.T. -0.008 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

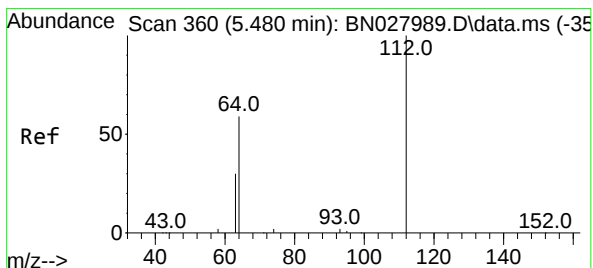
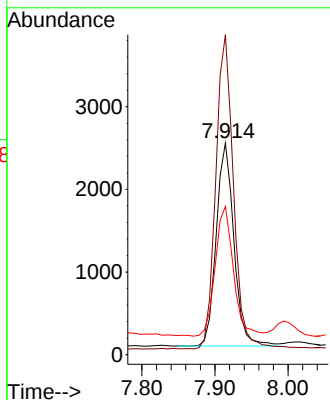
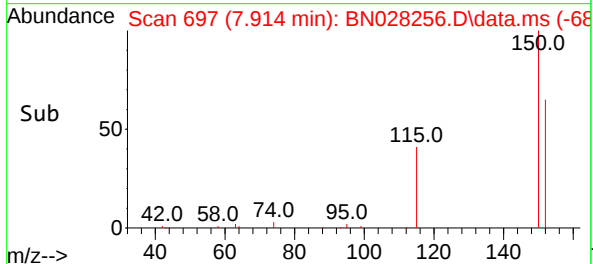
Instrument :
BNA_N
Client SampleId :
H-1(0-5)



Tgt Ion:152 Resp: 4138
Ion Ratio Lower Upper
152 100
150 151.1 125.6 188.4
115 70.0 54.8 82.2

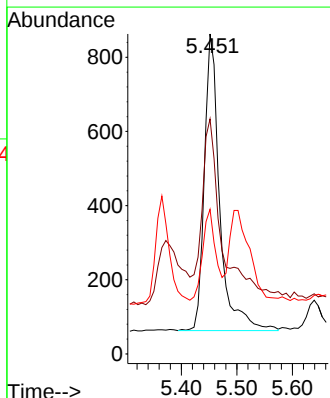
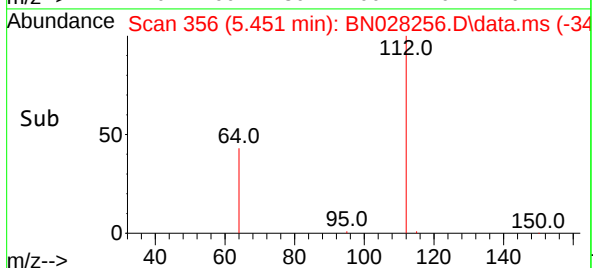
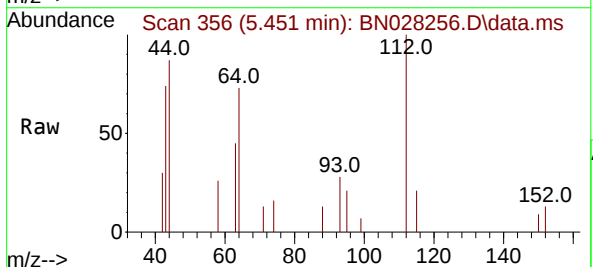
Manual Integrations
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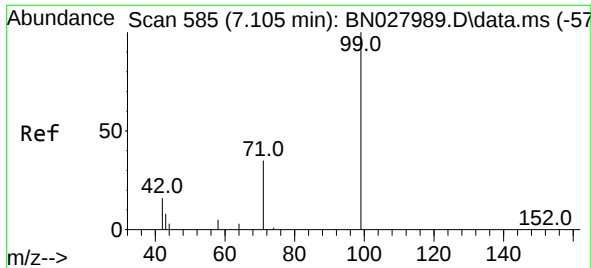
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.451 min Scan# 356
Delta R.T. -0.015 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:112 Resp: 1537
Ion Ratio Lower Upper
112 100
64 71.0 45.0 67.6#
63 26.3 23.4 35.0





#5
Phenol-d6
Concen: 0.116 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

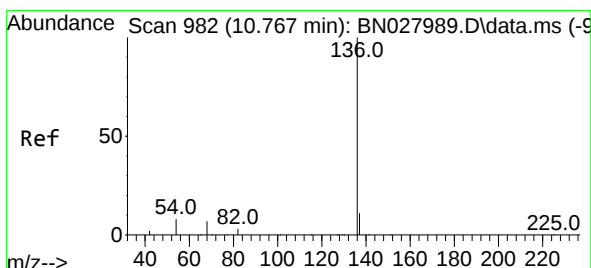
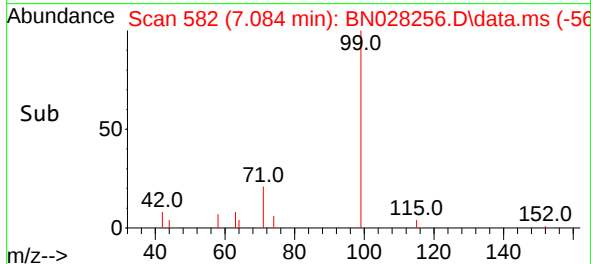
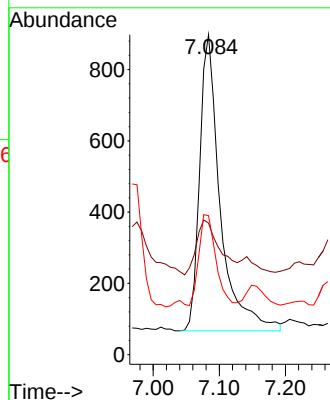
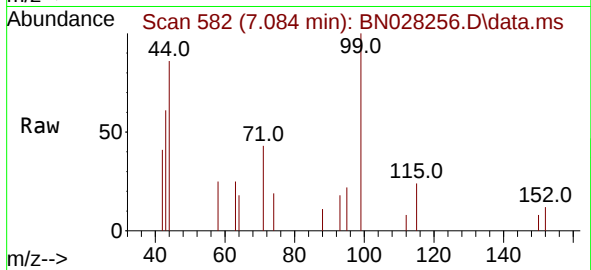
H-1(0-5)

Tgt Ion: 99 Resp: 1802
Ion Ratio Lower Upper
99 100
42 20.8 14.6 22.0
71 25.5 28.3 42.5

Manual Integrations

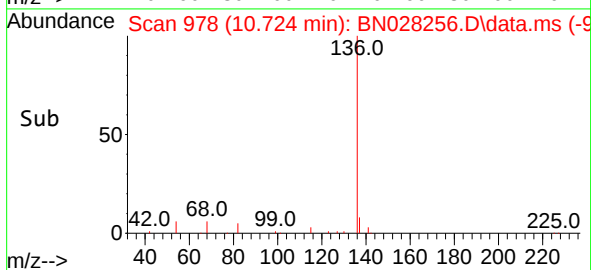
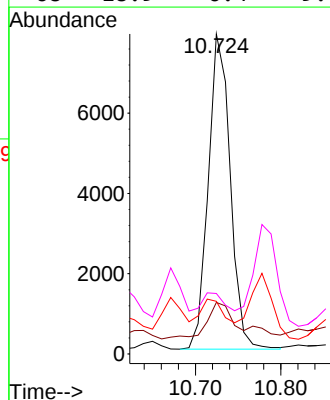
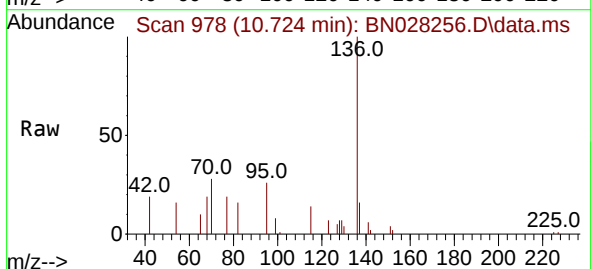
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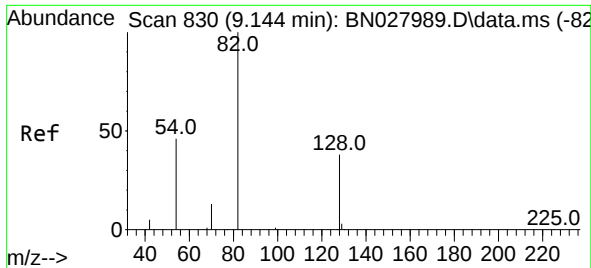
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.724 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:136 Resp: 14032
Ion Ratio Lower Upper
136 100
137 16.1 9.4 14.0#
54 16.5 7.0 10.6#
68 18.9 6.4 9.6#





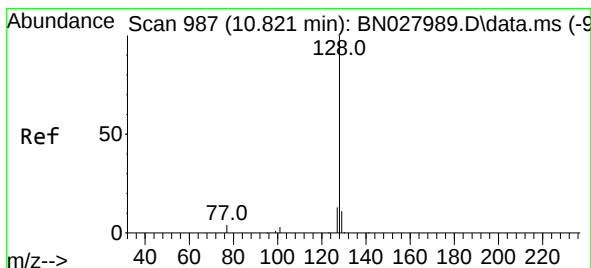
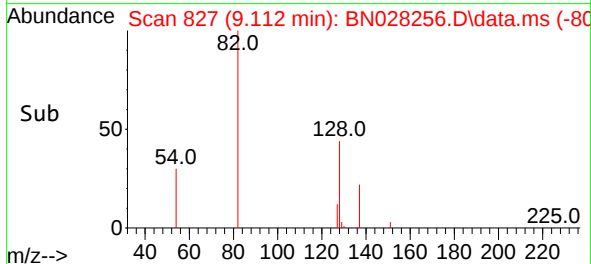
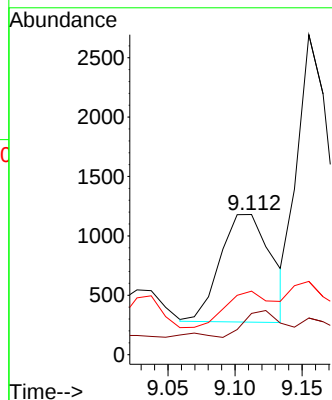
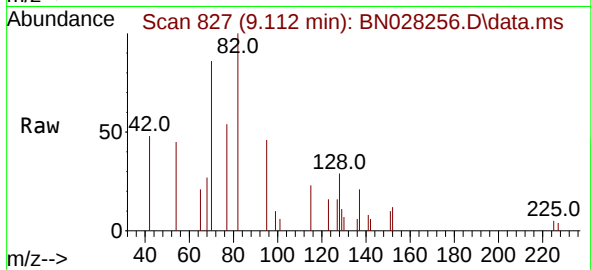
#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Instrument :
BNA_N
ClientSampleId :
H-1(0-5)

Tgt Ion: 82 Resp: 2409
Ion Ratio Lower Upper
82 100
128 29.5 32.7 49.1
54 45.3 38.7 58.1

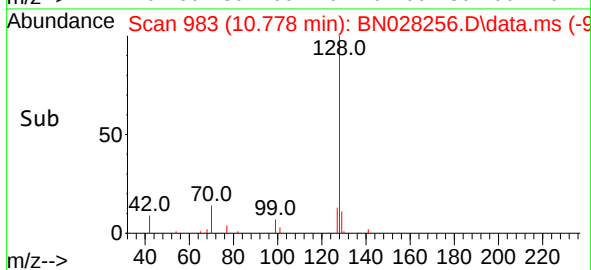
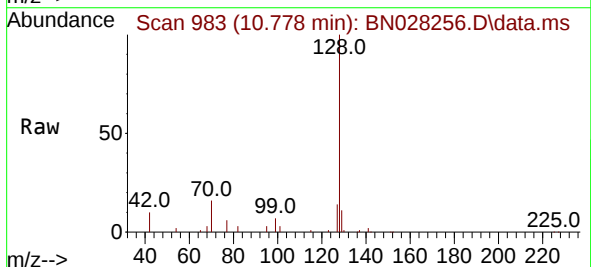
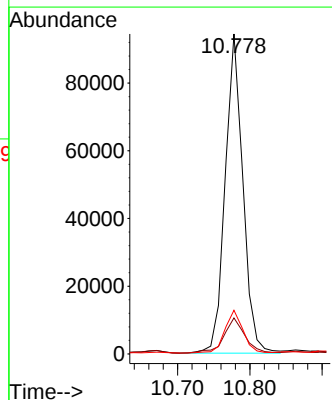
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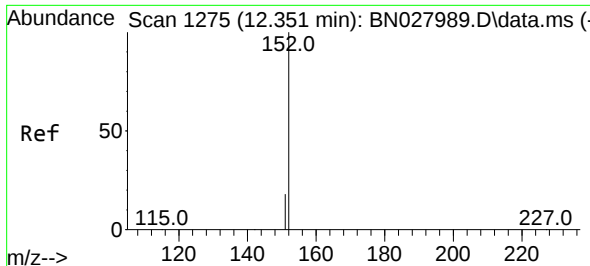
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#9
Naphthalene
Concen: 4.425 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

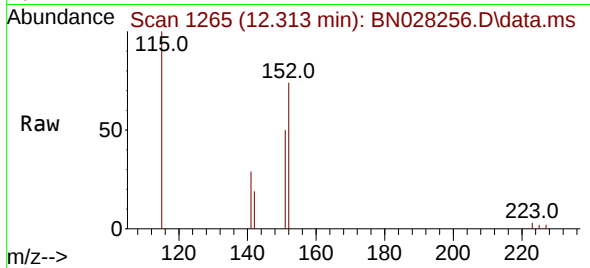
Tgt Ion:128 Resp: 160424
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.7 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.167 ng
RT: 12.313 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

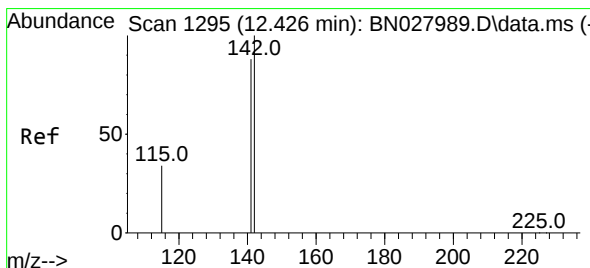
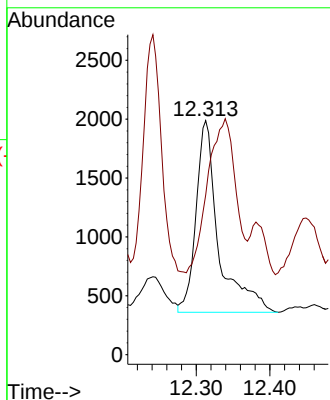
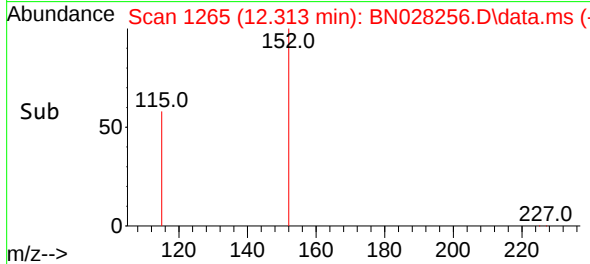
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:152 Resp: 347
Ion Ratio Lower Upper
152 100
151 0.0 16.5 24.7

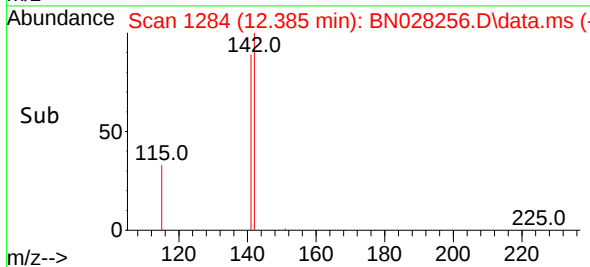
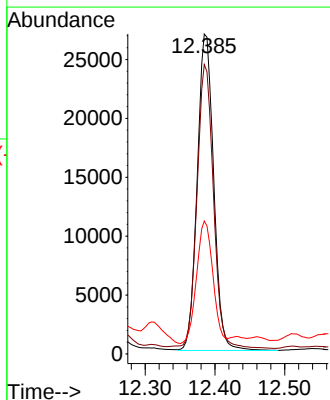
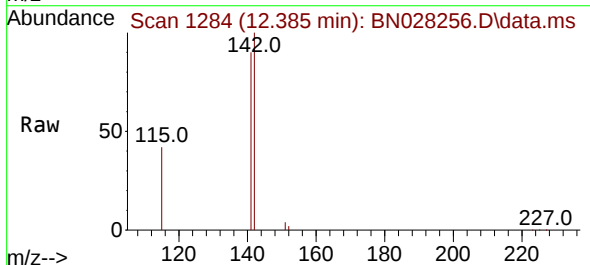
Manual Integrations
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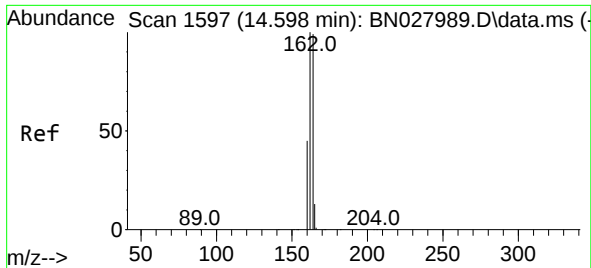
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#12
2-Methylnaphthalene
Concen: 1.733 ng
RT: 12.385 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

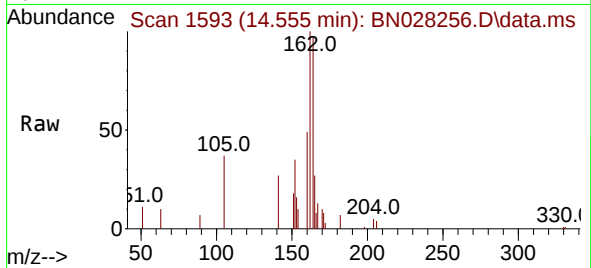
Tgt Ion:142 Resp: 43951
Ion Ratio Lower Upper
142 100
141 90.4 70.7 106.1
115 41.6 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

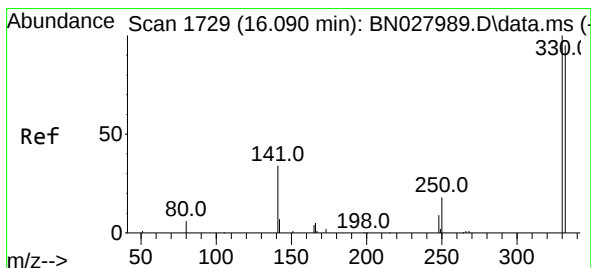
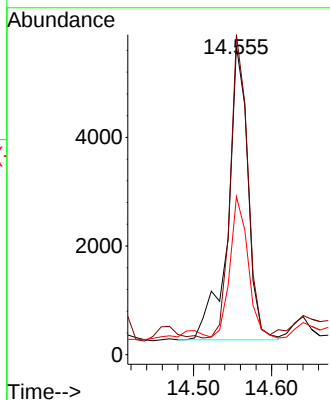
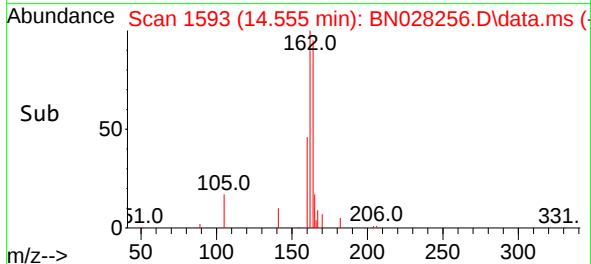
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



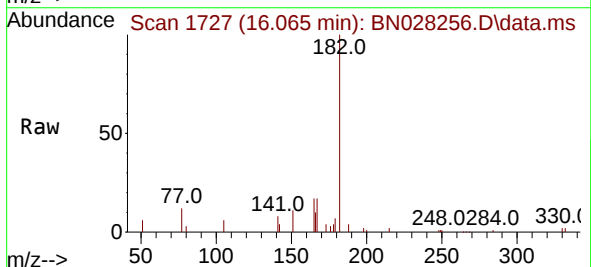
Tgt Ion:164 Resp: 9640
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 51.2 36.4 54.6

Manual Integrations
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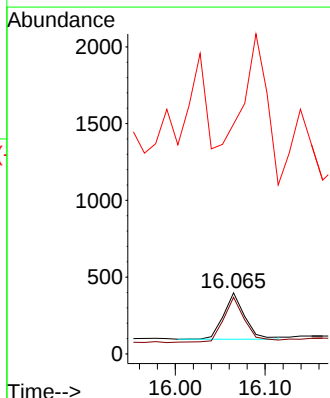
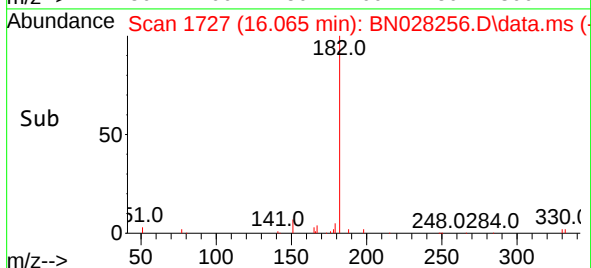
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

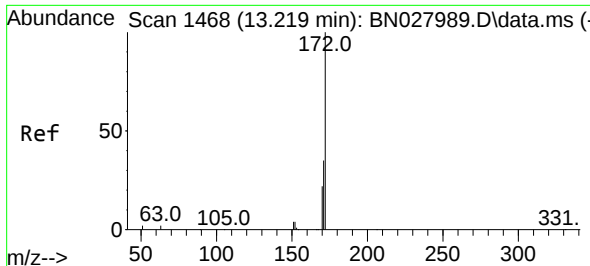


#14
2,4,6-Tribromophenol
Concen: 0.113 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51



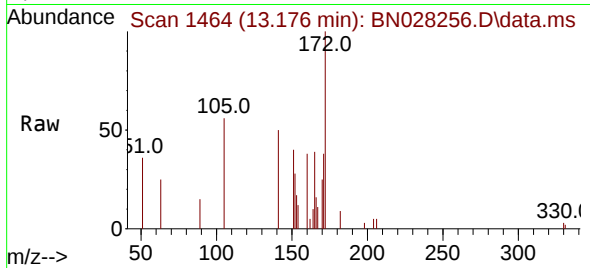
Tgt Ion:330 Resp: 501
Ion Ratio Lower Upper
330 100
332 100.4 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 13.176 min Scan# 1468
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

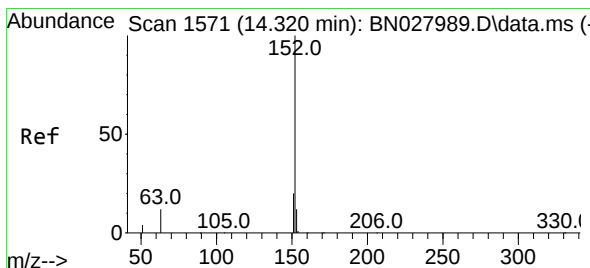
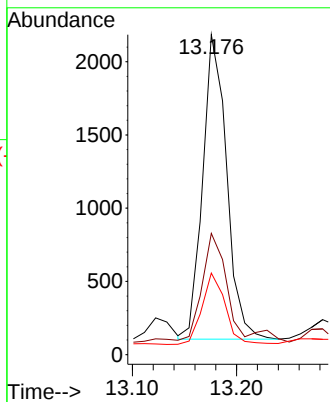
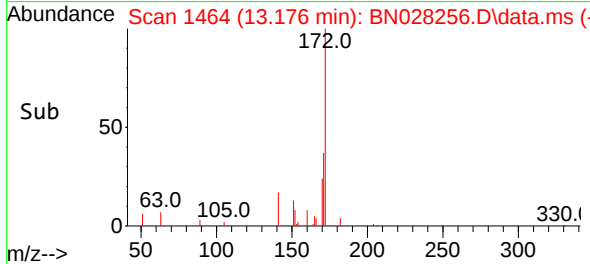
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:172 Resp: 3319
Ion Ratio Lower Upper
172 100
171 37.9 28.1 42.1
170 25.5 18.4 27.6

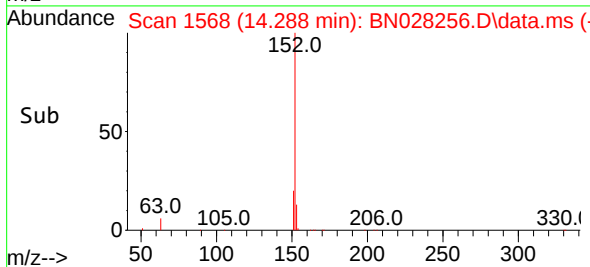
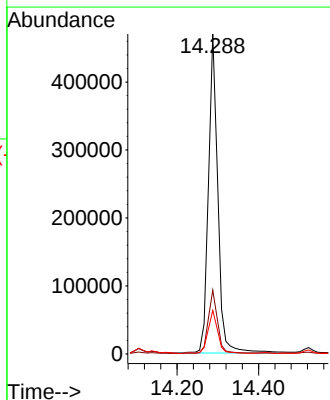
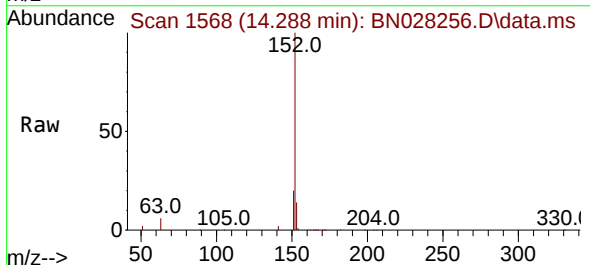
Manual Integrations
APPROVED

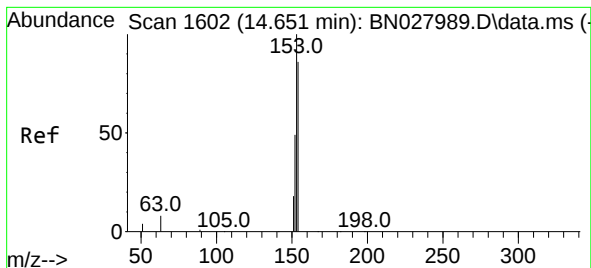
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#16
Acenaphthylene
Concen: 17.683 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:152 Resp: 755161
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.9 10.2 15.4





#17

Acenaphthene

Concen: 4.064 ng

RT: 14.619 min Scan# 110629

Delta R.T. -0.011 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

Tgt Ion:154 Resp: 110629

Ion Ratio Lower Upper

154 100

153 116.4 90.8 136.2

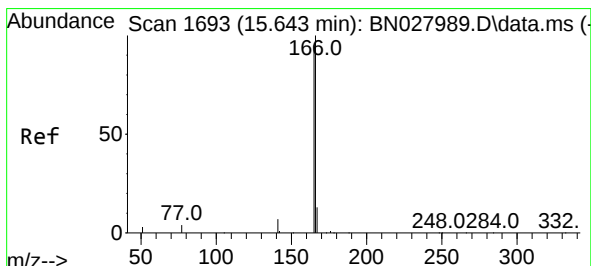
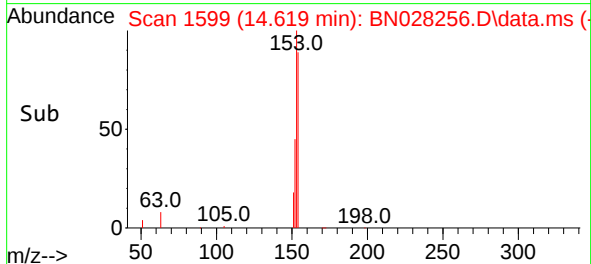
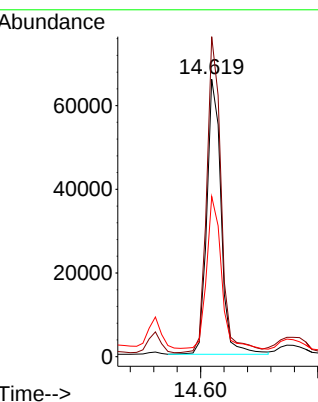
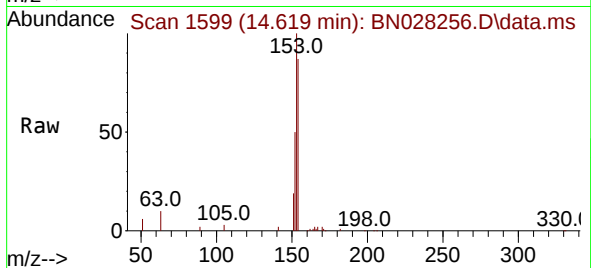
152 57.5 43.9 65.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#18

Fluorene

Concen: 2.587 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

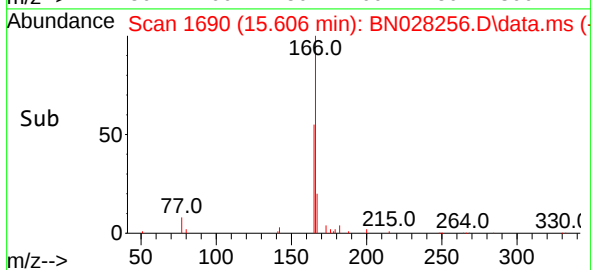
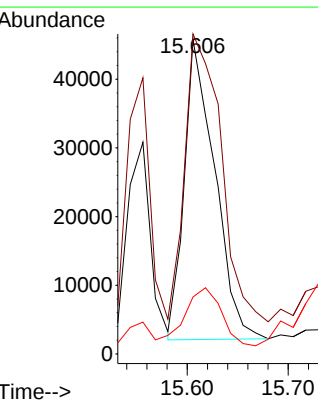
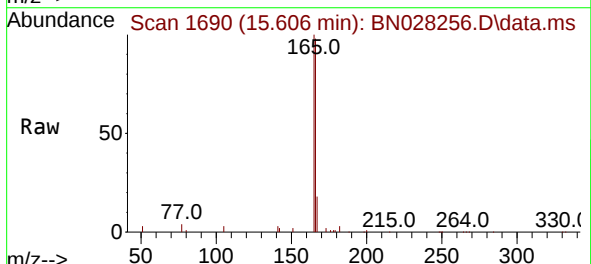
Tgt Ion:166 Resp: 91478

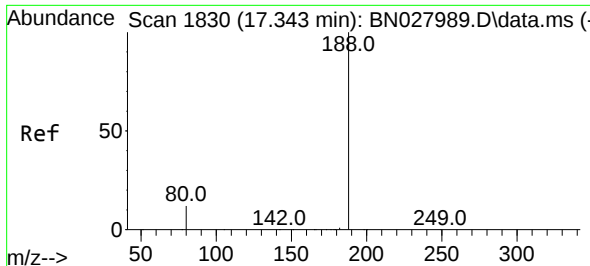
Ion Ratio Lower Upper

166 100

165 115.6 77.8 116.8

167 23.1 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.319 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

Instrument :

BNA_N

ClientSampleId :

H-1(0-5)

Tgt Ion:188 Resp: 17739

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

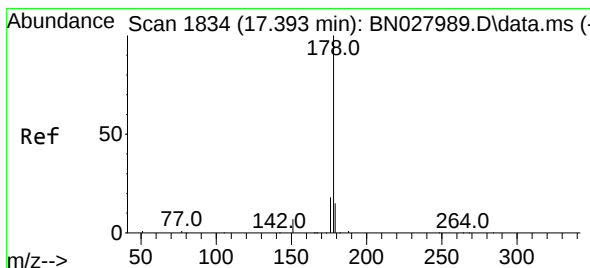
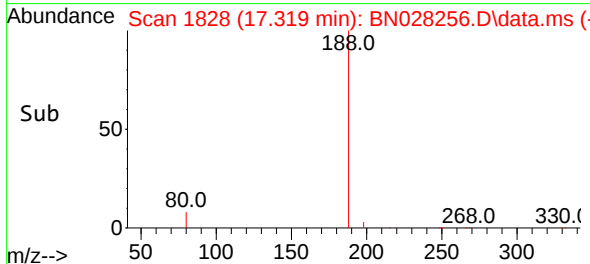
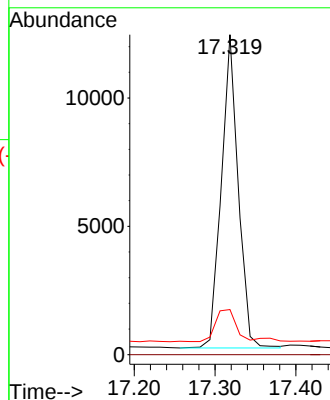
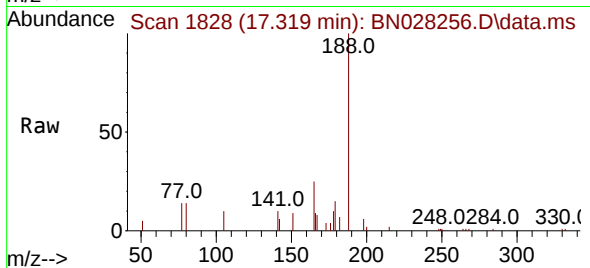
80 14.1 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#25

Phenanthrene

Concen: 28.428 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.013 min

Lab File: BN028256.D

Acq: 12 Oct 2023 05:51

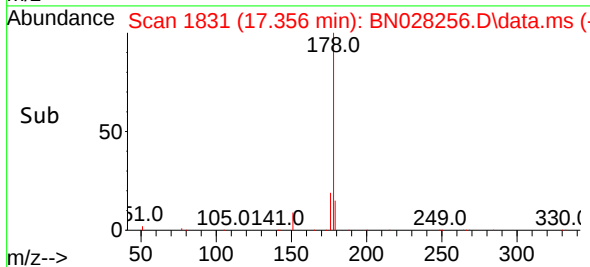
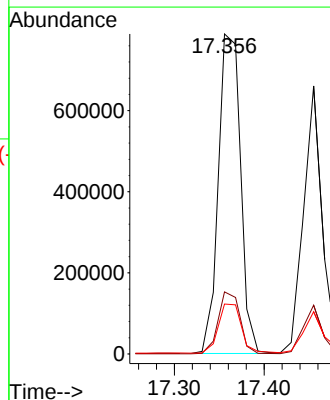
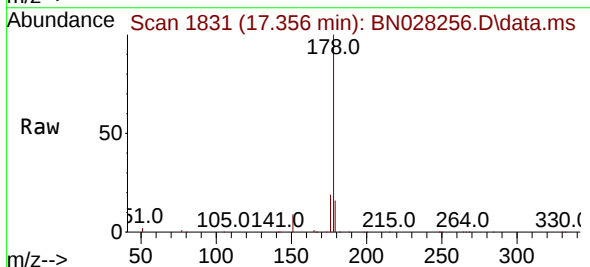
Tgt Ion:178 Resp: 1359557

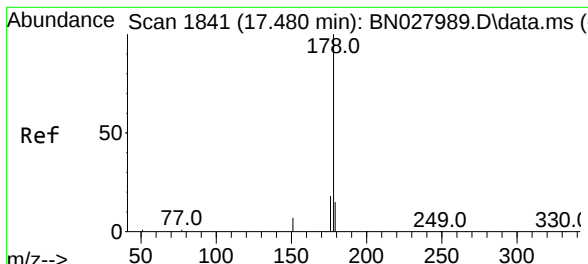
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 16.0 12.4 18.6





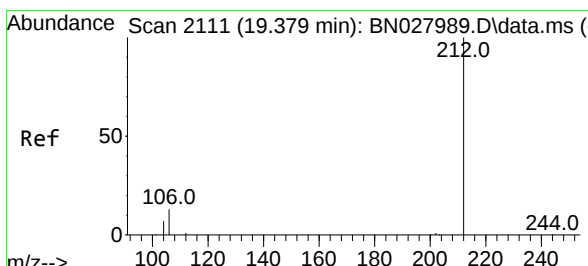
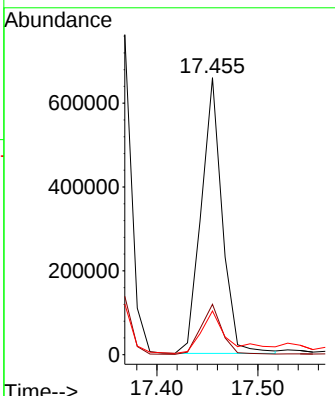
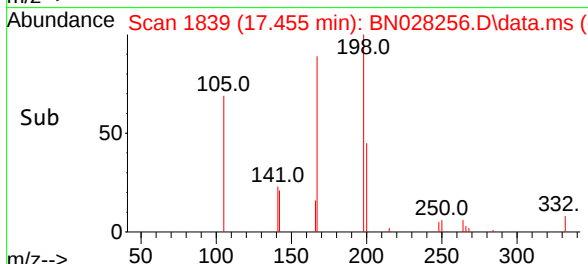
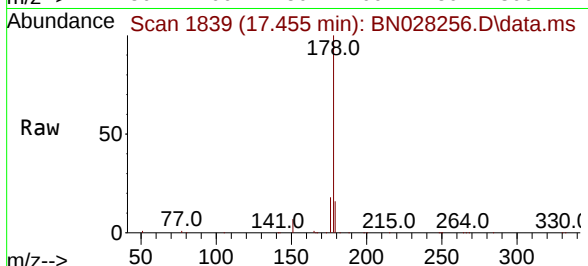
#26
 Anthracene
 Concen: 20.999 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

Instrument : BNA_N
 ClientSampleId : H-1(0-5)

Tgt Ion:	178	Resp:	949220
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.7	22.1
179	20.6	12.2	18.2

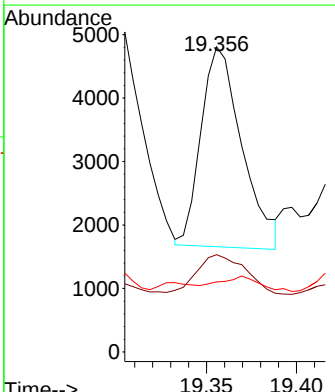
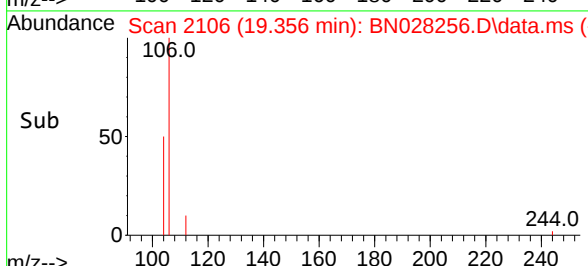
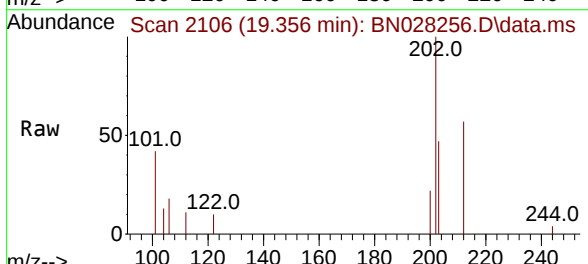
Manual Integrations
 APPROVED

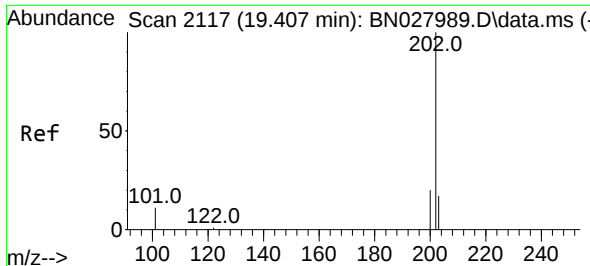
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#27
 Fluoranthene-d10
 Concen: 0.112 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028256.D
 Acq: 12 Oct 2023 05:51

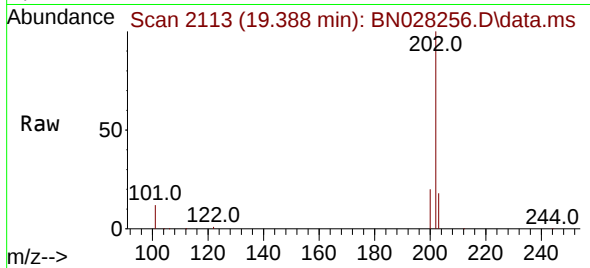
Tgt Ion:	212	Resp:	4985
Ion Ratio	Lower	Upper	
212	100		
106	23.5	11.3	16.9
104	8.0	6.4	9.6





#28
Fluoranthene
Concen: 49.132 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

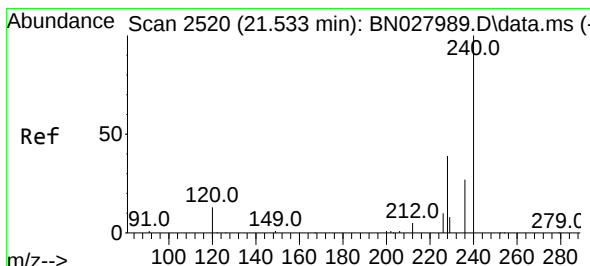
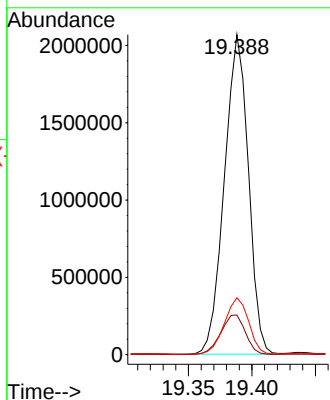
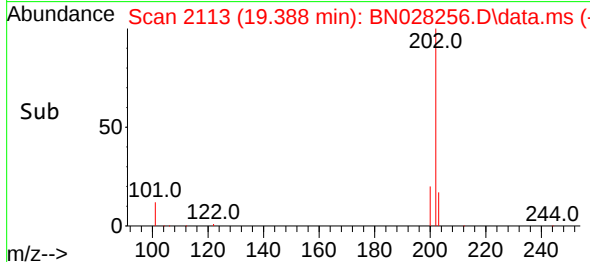
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:202 Resp: 271169
Ion Ratio Lower Upper
202 100
101 12.7 9.8 14.6
203 17.9 13.8 20.8

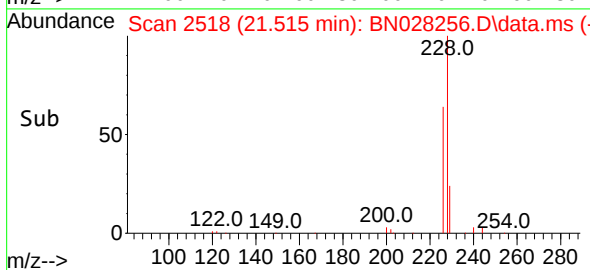
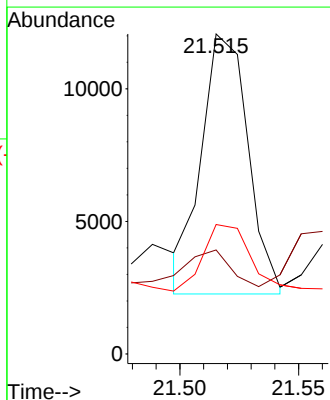
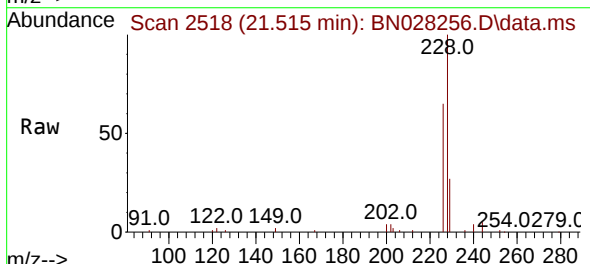
Manual Integrations
APPROVED

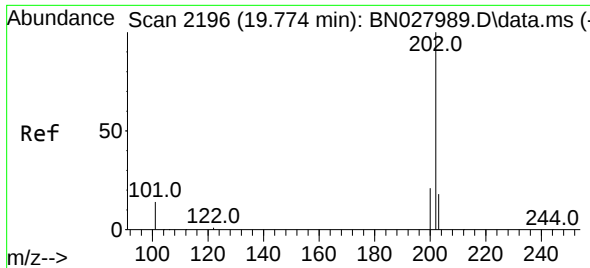
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

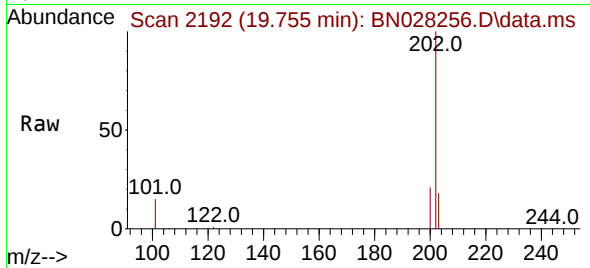
Tgt Ion:240 Resp: 13337
Ion Ratio Lower Upper
240 100
120 32.5 13.8 20.6#
236 40.4 22.6 33.8#





#30
Pyrene
Concen: 59.960 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

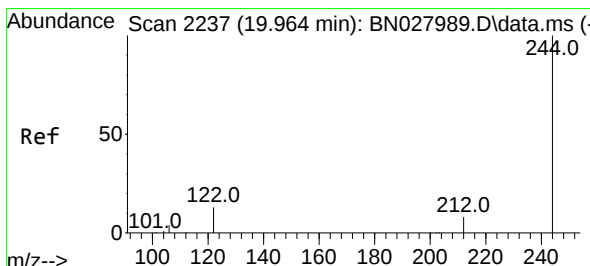
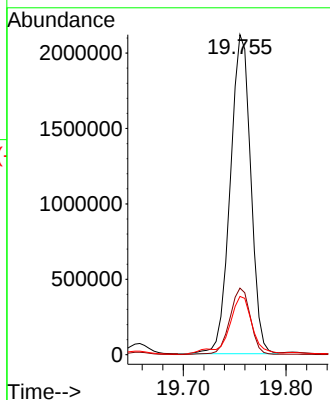
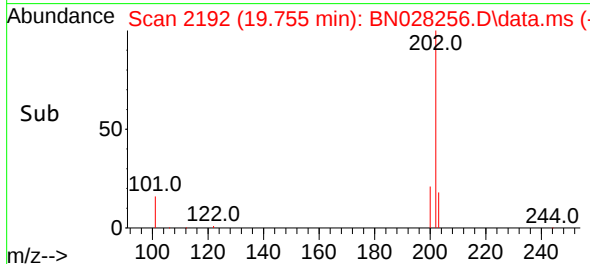
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:202 Resp: 2932400
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 20.3 14.7 22.1

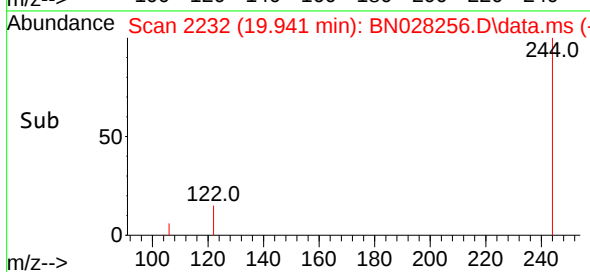
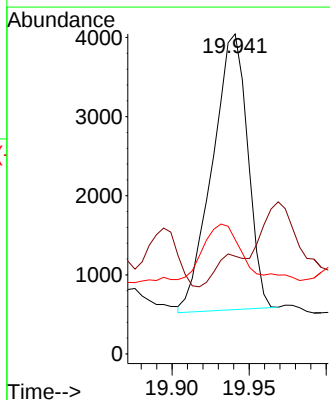
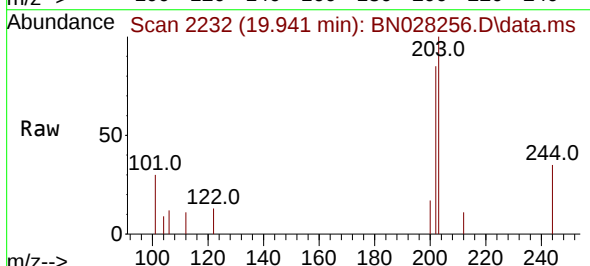
Manual Integrations
APPROVED

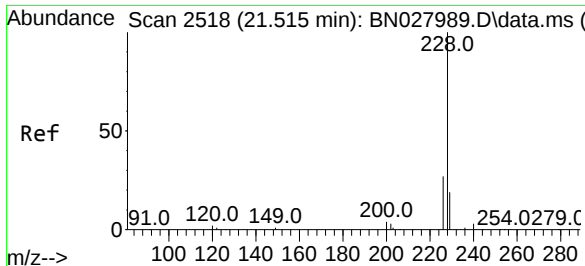
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#31
Terphenyl-d14
Concen: 0.179 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

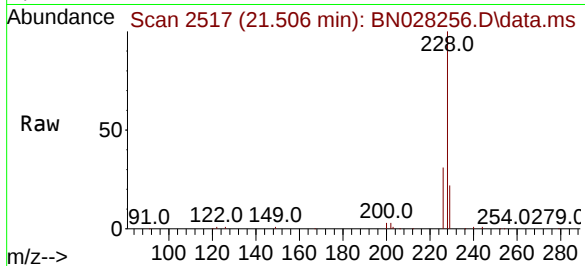
Tgt Ion:244 Resp: 5569
Ion Ratio Lower Upper
244 100
212 30.6 6.6 9.8#
122 35.7 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 33.194 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

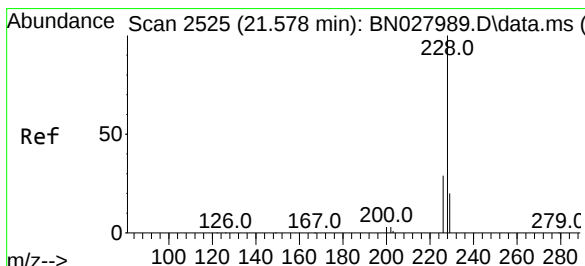
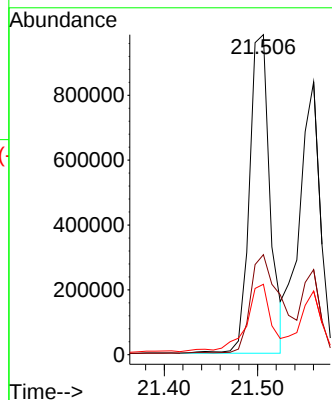
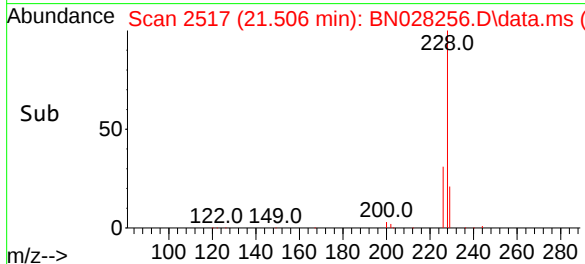
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



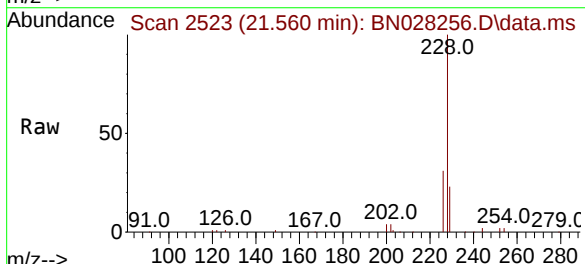
Tgt Ion:228 Resp: 150645
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 22.0 16.0 24.0

Manual Integrations
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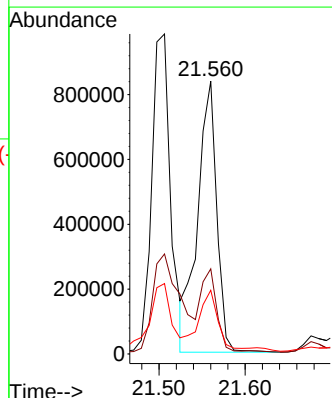
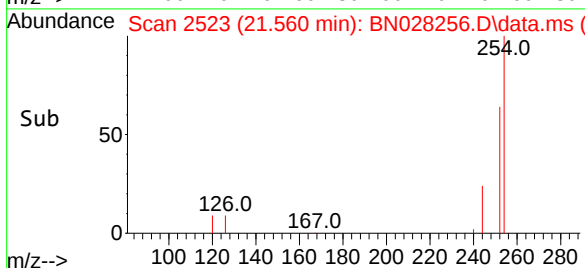
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

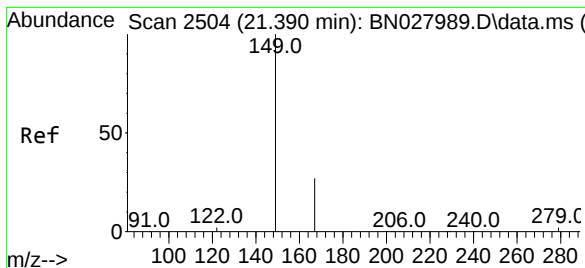


#33
Chrysene
Concen: 29.760 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51



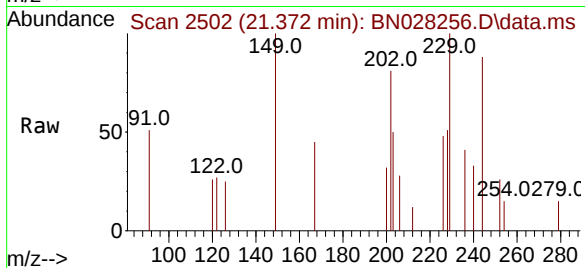
Tgt Ion:228 Resp: 1301582
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 23.4 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.159 ng
RT: 21.372 min Scan# 2159
Delta R.T. 0.009 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

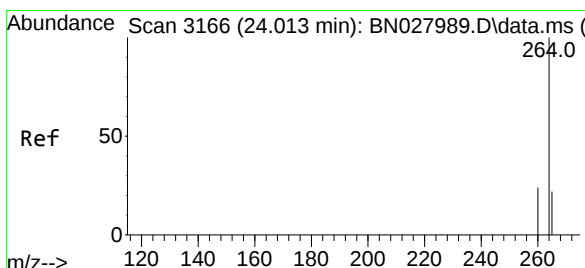
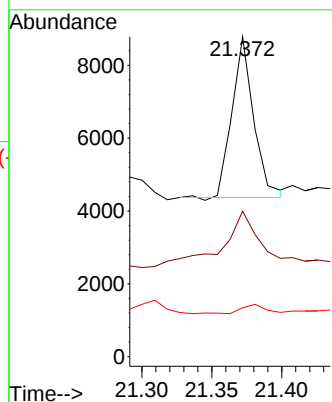
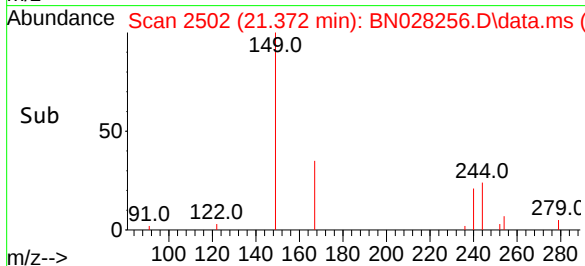
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



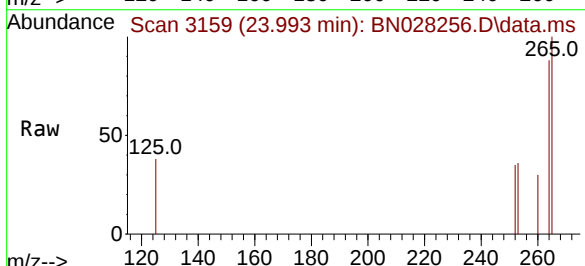
Tgt Ion:149 Resp: 4758
Ion Ratio Lower Upper
149 100
167 66.5 22.1 33.1#
279 5.3 3.4 5.0#

Manual Integrations
APPROVED

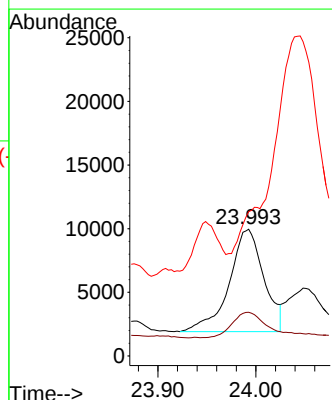
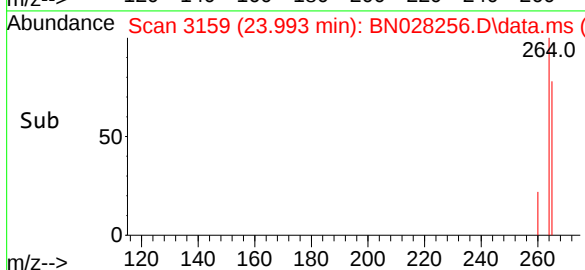
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

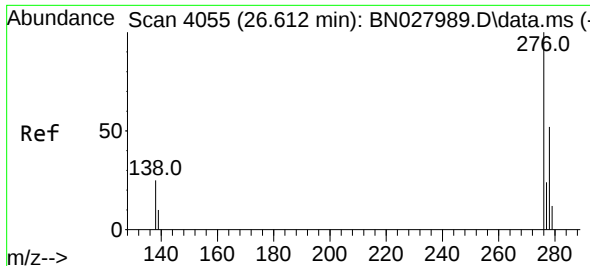


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.993 min Scan# 3159
Delta R.T. 0.017 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51



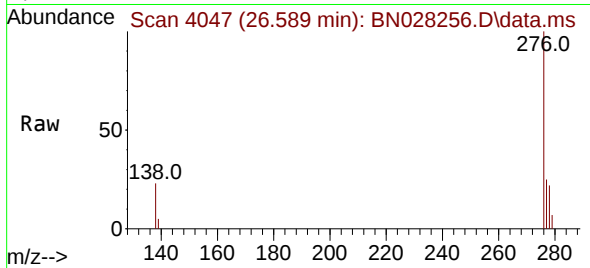
Tgt Ion:264 Resp: 19866
Ion Ratio Lower Upper
264 100
260 34.5 20.2 30.4#
265 113.8 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 10.365 ng
RT: 26.589 min Scan# 4055
Delta R.T. 0.032 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

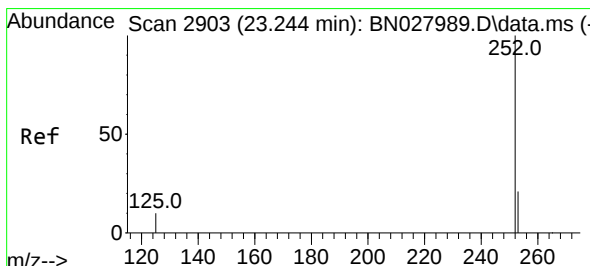
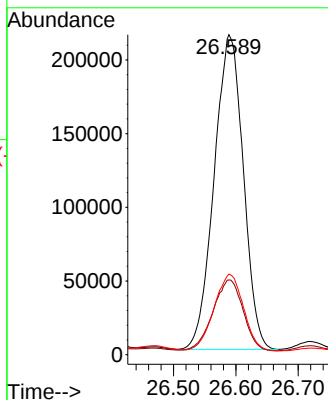
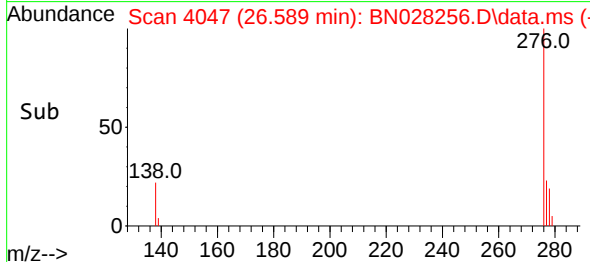
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:276 Resp: 692608
Ion Ratio Lower Upper
276 100
138 23.4 20.9 31.3
277 24.7 19.8 29.6

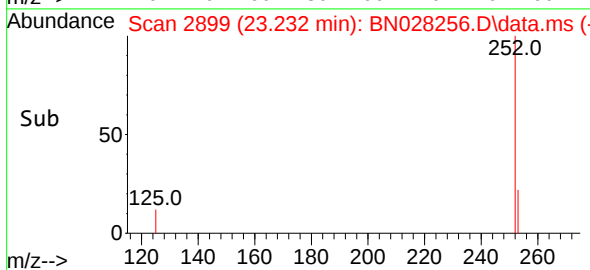
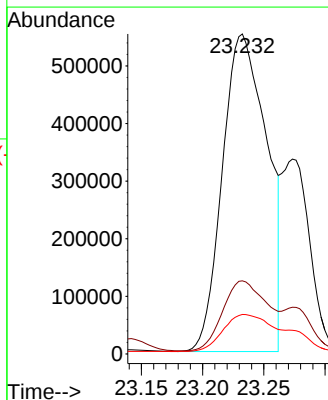
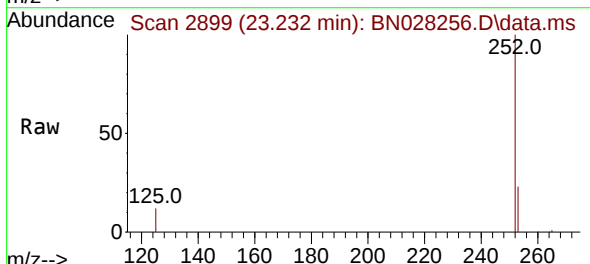
Manual Integrations
APPROVED

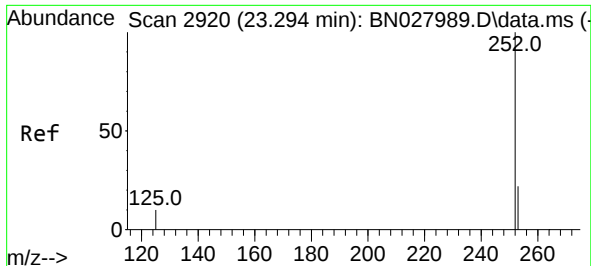
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#37
Benzo(b)fluoranthene
Concen: 21.679 ng
RT: 23.232 min Scan# 2899
Delta R.T. 0.020 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

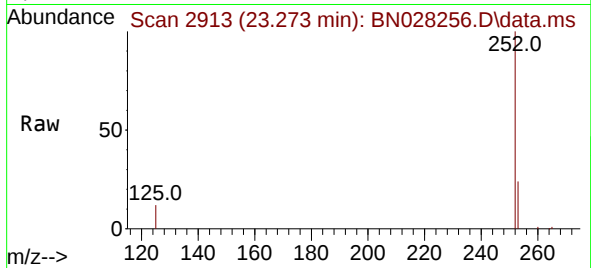
Tgt Ion:252 Resp: 1390921
Ion Ratio Lower Upper
252 100
253 22.9 22.9 34.3#
125 12.4 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 8.297 ng m
RT: 23.273 min Scan# 2913
Delta R.T. 0.012 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

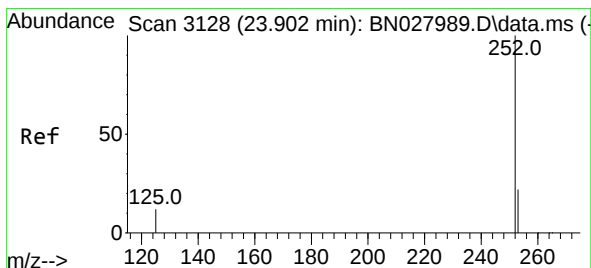
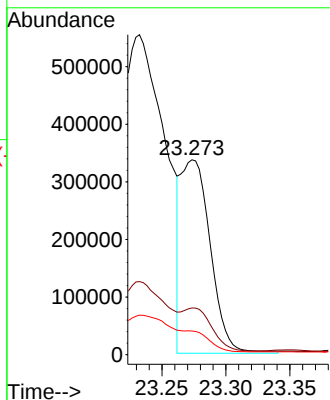
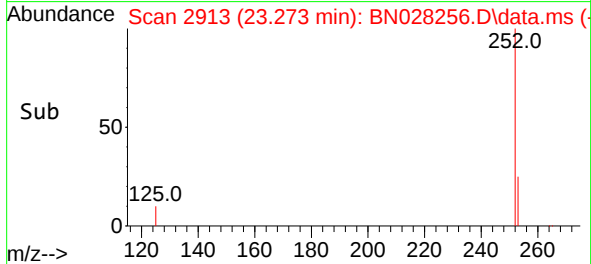
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



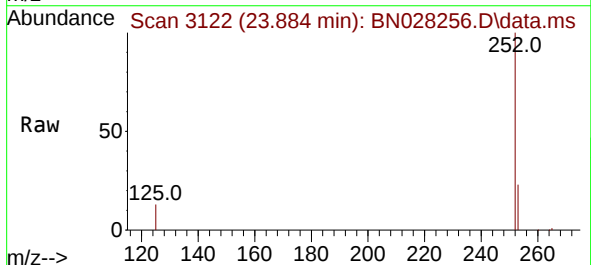
Tgt Ion:252 Resp: 539960
Ion Ratio Lower Upper
252 100
253 24.0 23.1 34.7
125 12.2 13.8 20.8

Manual Integrations
APPROVED

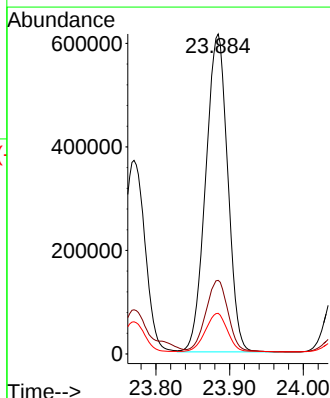
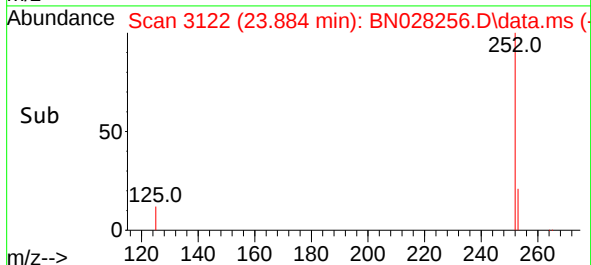
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

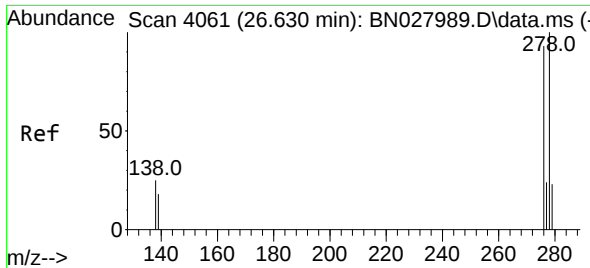


#39
Benzo(a)pyrene
Concen: 20.970 ng m
RT: 23.884 min Scan# 3122
Delta R.T. 0.020 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51



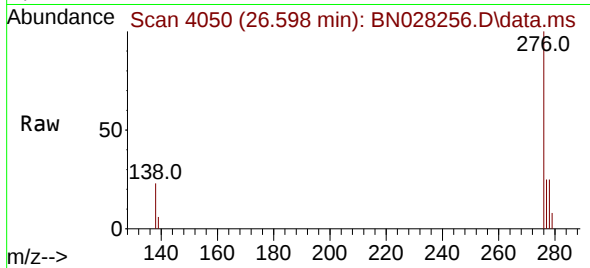
Tgt Ion:252 Resp: 1272187
Ion Ratio Lower Upper
252 100
253 23.0 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 3.727 ng
RT: 26.598 min Scan# 4061
Delta R.T. 0.020 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

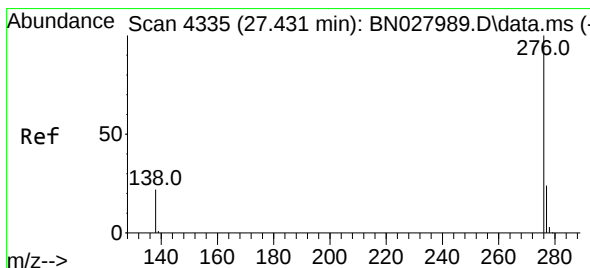
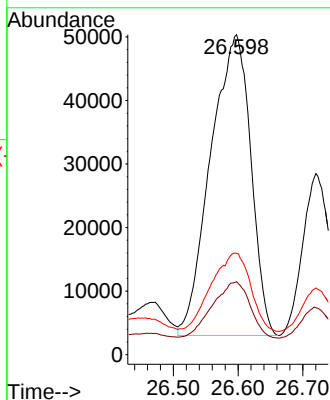
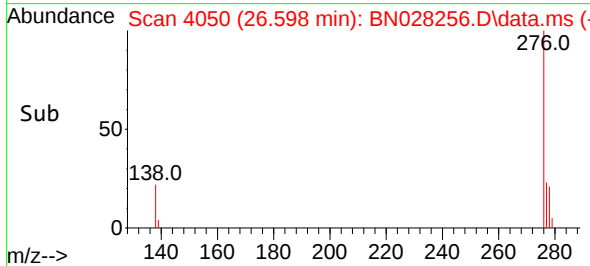
Instrument :
BNA_N
ClientSampleId :
H-1(0-5)



Tgt Ion:278 Resp: 20372
Ion Ratio Lower Upper
278 100
139 22.8 17.7 26.5
279 31.7 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#41
Benzo(g,h,i)perylene
Concen: 12.320 ng
RT: 27.410 min Scan# 4328
Delta R.T. 0.044 min
Lab File: BN028256.D
Acq: 12 Oct 2023 05:51

Tgt Ion:276 Resp: 691260
Ion Ratio Lower Upper
276 100
277 24.9 22.1 33.1
138 23.7 20.8 31.2

