

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028200.D
 Acq On : 10 Oct 2023 16:50
 Operator : MA/JU
 Sample : 04657-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 W-2(0-2IN)

Quant Time: Oct 10 17:28:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	4888	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	16206	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	9110	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	16911	0.400	ng	0.00
29) Chrysene-d12	21.515	240	15290m	0.400	ng	0.00
35) Perylene-d12	23.984	264	22046m	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	4876	0.334	ng	0.00
5) Phenol-d6	7.091	99	6393	0.347	ng	0.00
8) Nitrobenzene-d5	9.112	82	12187	0.884	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	7476	0.311	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1357	0.325	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	10359	0.316	ng	0.00
27) Fluoranthene-d10	19.356	212	12859	0.303	ng	0.00
31) Terphenyl-d14	19.941	244	12545	0.352	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	245088	5.853	ng	98
12) 2-Methylnaphthalene	12.392	142	95458	3.259	ng	98
16) Acenaphthylene	14.288	152	966976	23.961	ng	100
17) Acenaphthene	14.630	154	64377	2.502	ng	100
18) Fluorene	15.606	166	171786	5.141	ng	88
25) Phenanthrene	17.368	178	1537188	33.716	ng	100
26) Anthracene	17.455	178	883802	20.509	ng	97
28) Fluoranthene	19.388	202	2504963	47.608	ng	98
30) Pyrene	19.755	202	3022487	53.908	ng	98
32) Benzo(a)anthracene	21.497	228	1845696	35.474	ng	97
33) Chrysene	21.560	228	1609721	32.104	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	79070	2.311	ng	99
36) Indeno(1,2,3-cd)pyrene	26.577	276	1137896	15.345	ng	97
37) Benzo(b)fluoranthene	23.227	252	2046780	28.747	ng	# 89
38) Benzo(k)fluoranthene	23.267	252	761285m	10.542	ng	
39) Benzo(a)pyrene	23.876	252	1869484m	27.768	ng	
40) Dibenzo(a,h)anthracene	26.580	278	339001	5.588	ng	97
41) Benzo(g,h,i)perylene	27.393	276	1208356	19.406	ng	95

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

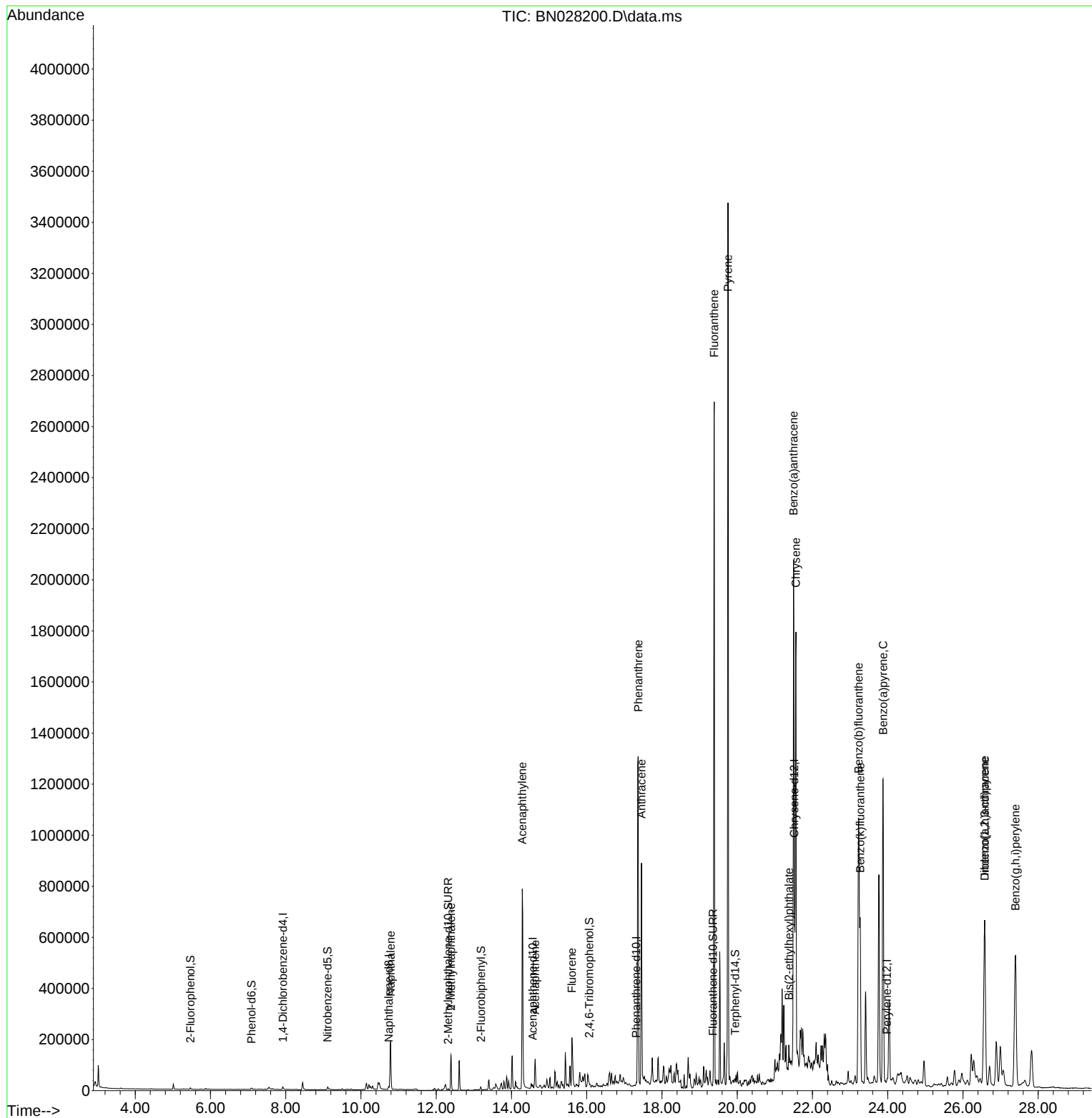
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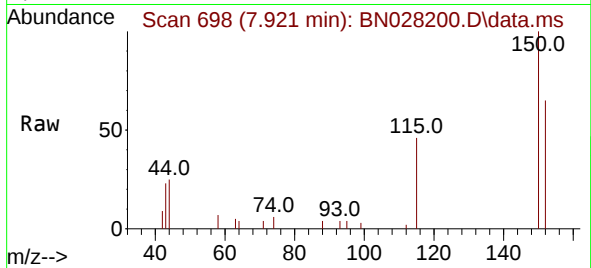
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

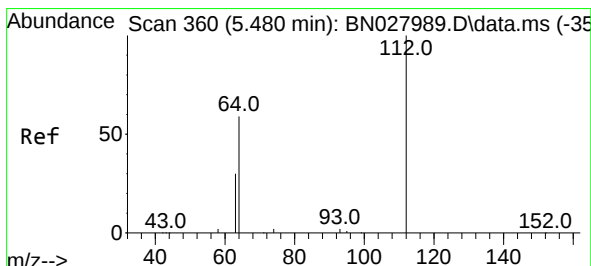
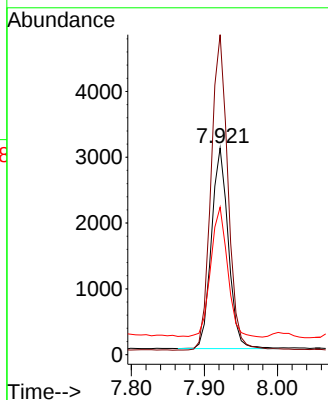
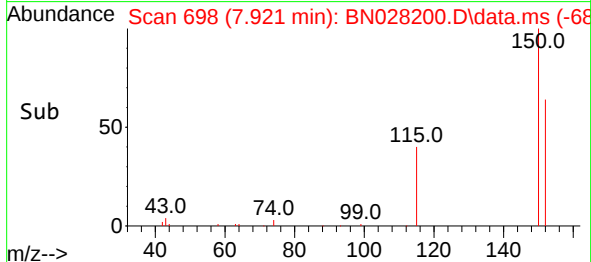
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



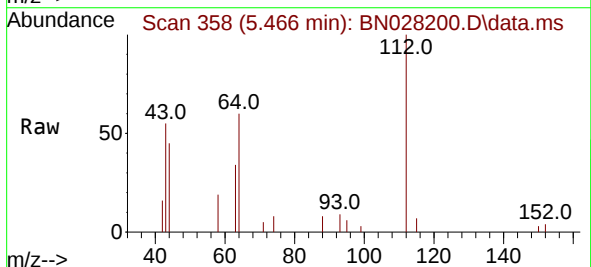
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Ion Ratio Lower Upper
152 100
150 154.8 125.6 188.4
115 71.3 54.8 82.2

Manual Integrations
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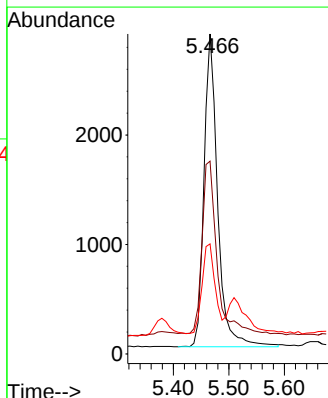
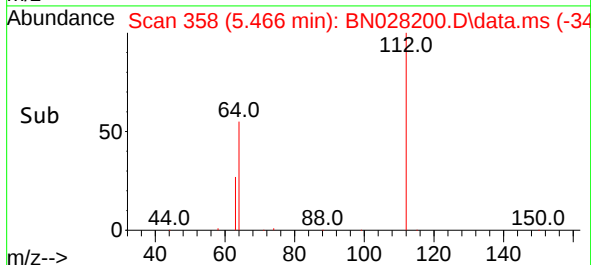
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

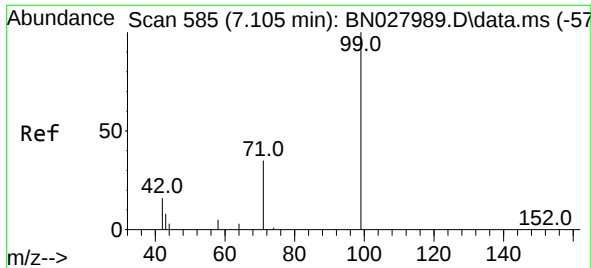


#4
2-Fluorophenol
Concen: 0.334 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



Tgt Ion:112 Resp: 4876
Ion Ratio Lower Upper
112 100
64 59.5 45.0 67.6
63 27.5 23.4 35.0





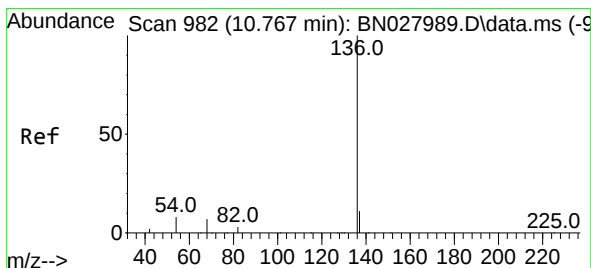
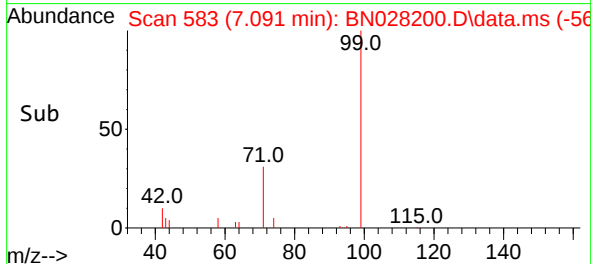
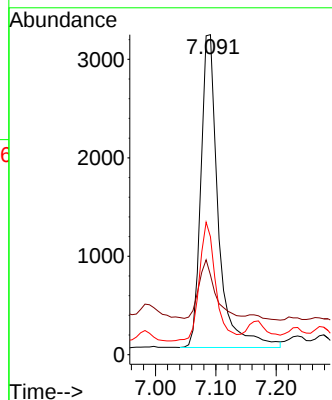
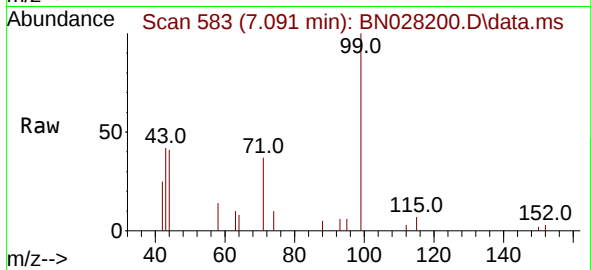
#5
Phenol-d6
Concen: 0.347 ng
RT: 7.091 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)

Tgt Ion: 99 Resp: 639
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 35.3 28.3 42.5

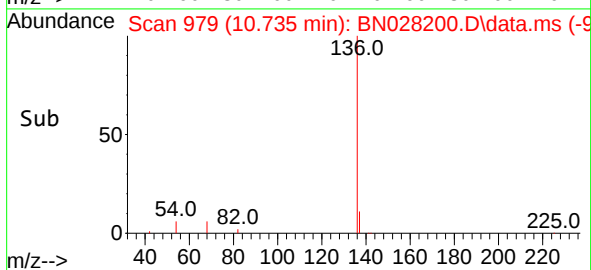
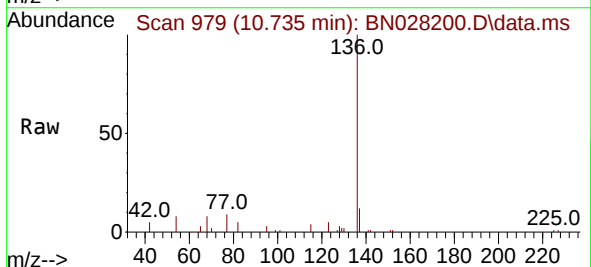
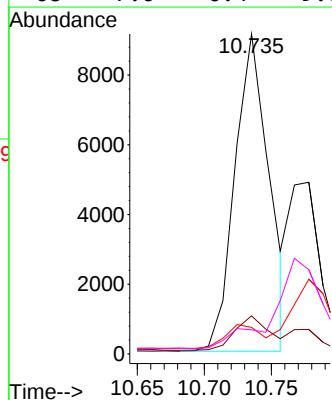
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Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Tgt Ion:136 Resp: 16206
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 8.3 7.0 10.6
68 7.6 6.4 9.6





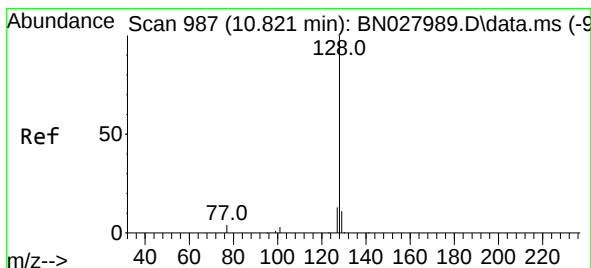
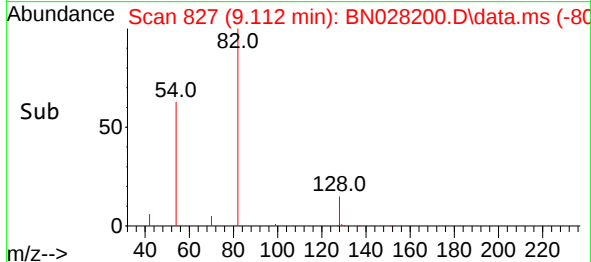
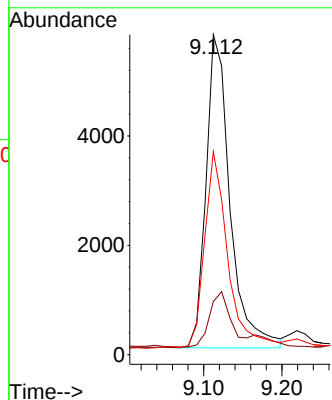
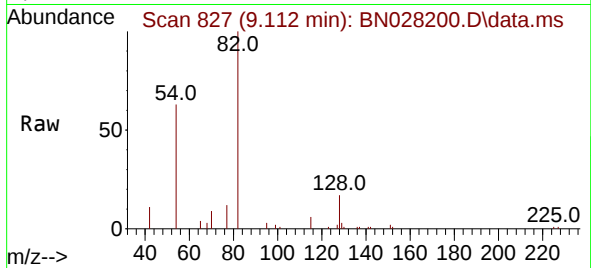
#8
Nitrobenzene-d5
Concen: 0.884 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)

Tgt Ion: 82 Resp: 1218
Ion Ratio Lower Upper
82 100
128 16.6 32.7 49.1
54 63.5 38.7 58.1

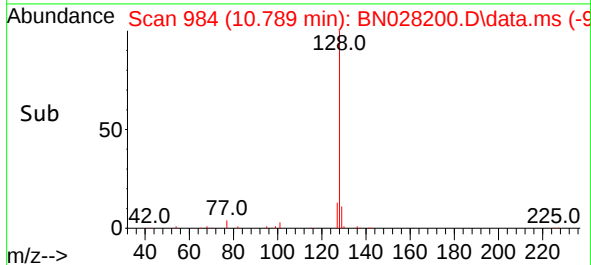
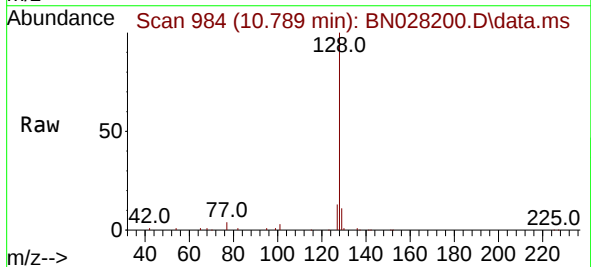
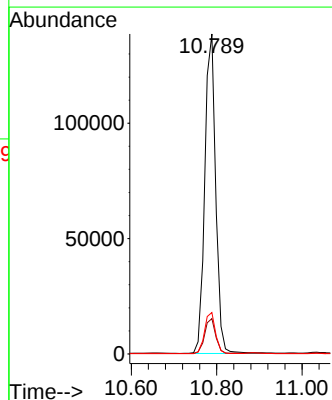
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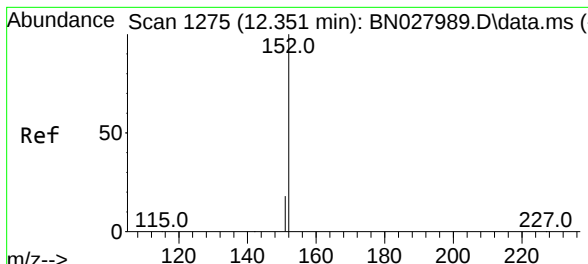
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 5.853 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

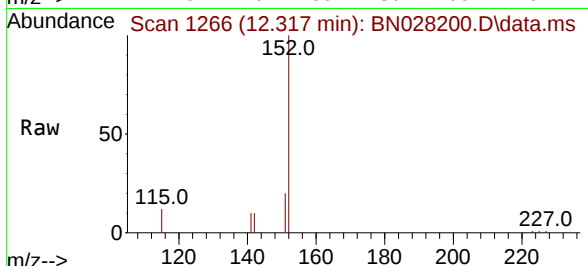
Tgt Ion:128 Resp: 245088
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

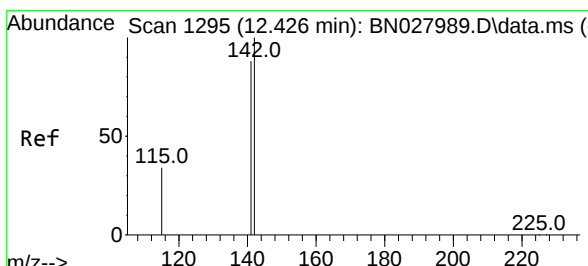
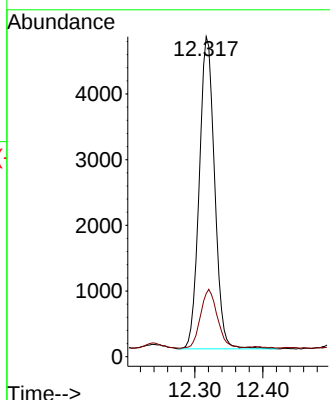
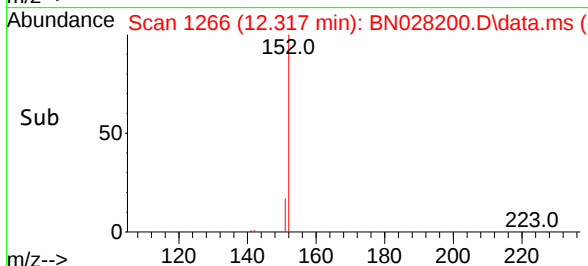
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W-2(0-2IN)



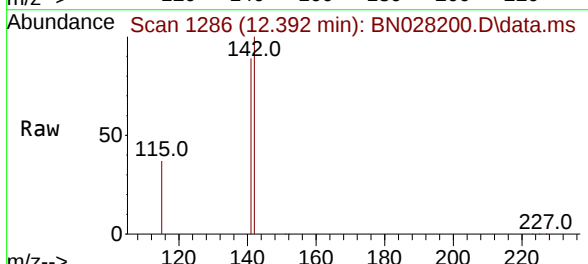
Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7

Manual Integrations
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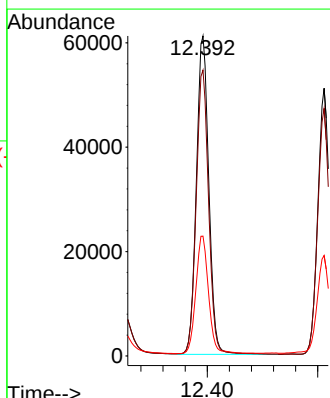
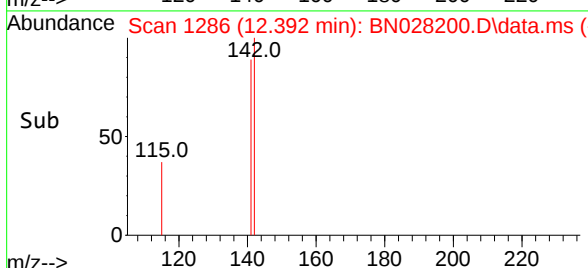
Reviewed By :Yogesh Patel 10/11/2023
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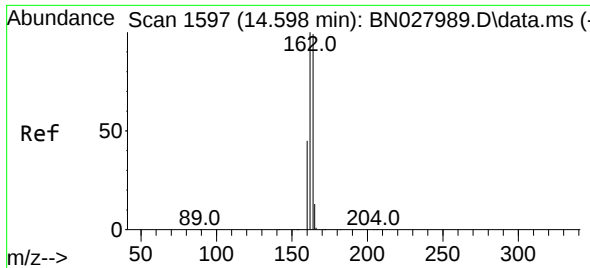


#12
2-Methylnaphthalene
Concen: 3.259 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



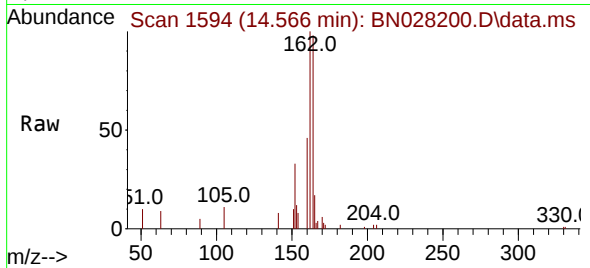
Tgt Ion:142 Resp: 95458
Ion Ratio Lower Upper
142 100
141 89.3 70.7 106.1
115 37.4 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

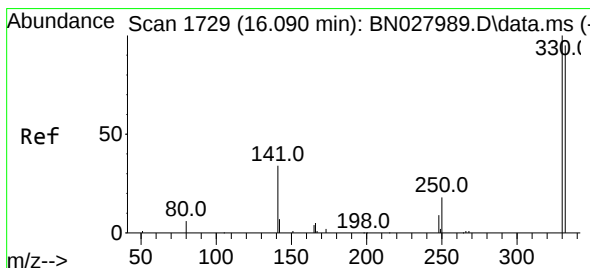
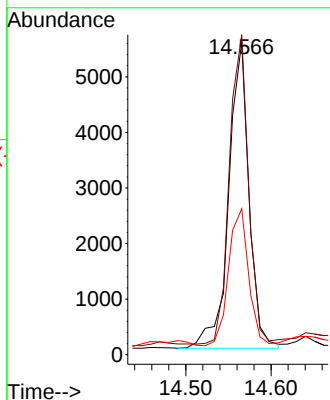
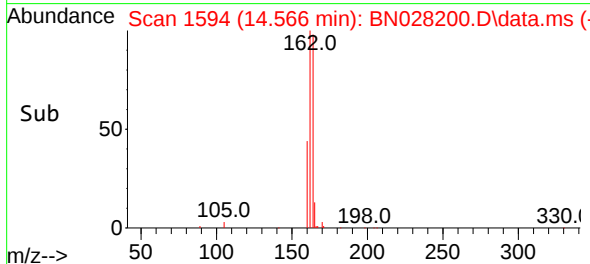
Instrument :
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ClientSampleId :
W-2(0-2IN)



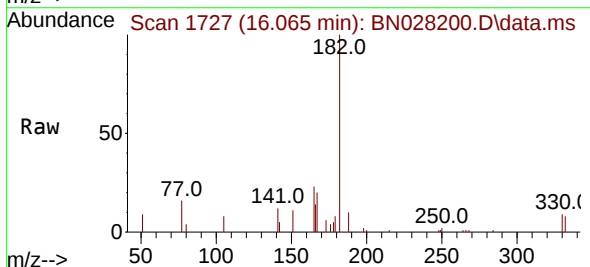
Tgt Ion:164 Resp: 9110
Ion Ratio Lower Upper
164 100
162 102.4 80.8 121.2
160 46.7 36.4 54.6

Manual Integrations
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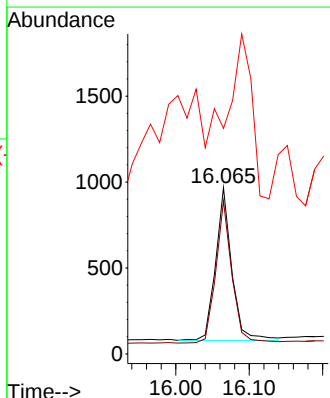
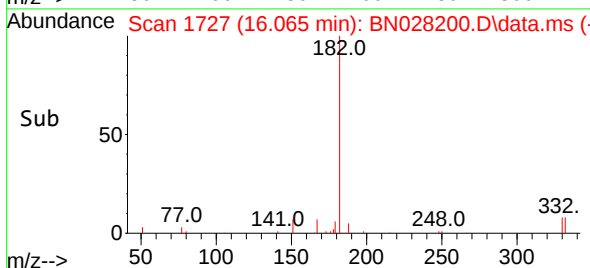
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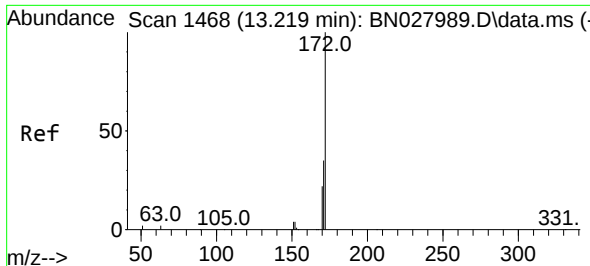


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



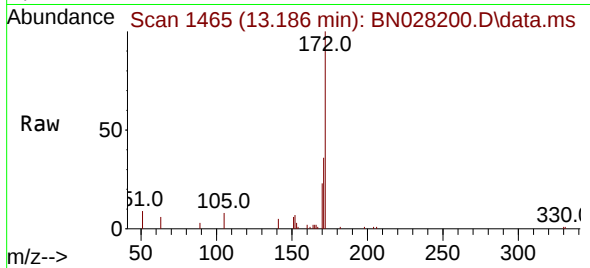
Tgt Ion:330 Resp: 1357
Ion Ratio Lower Upper
330 100
332 92.8 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

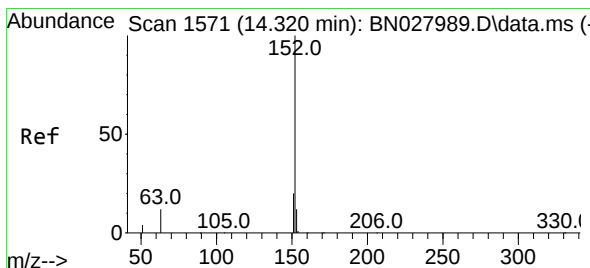
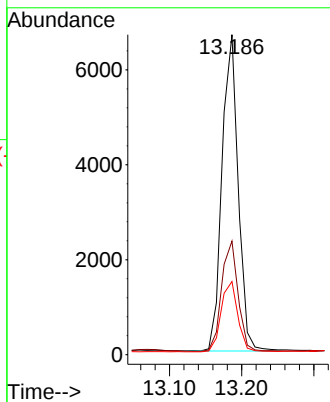
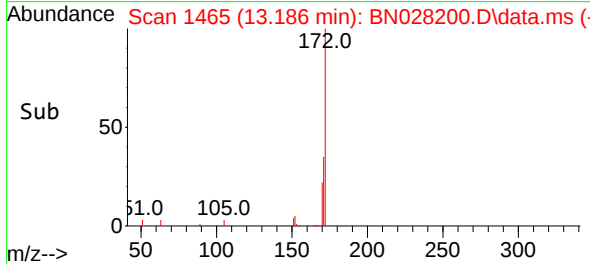
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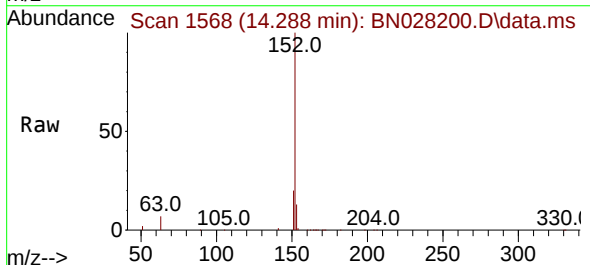
Tgt Ion:172 Resp: 10359
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.9 18.4 27.6

Manual Integrations
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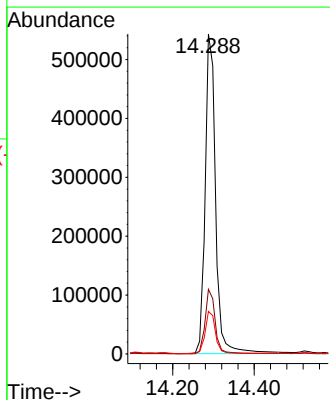
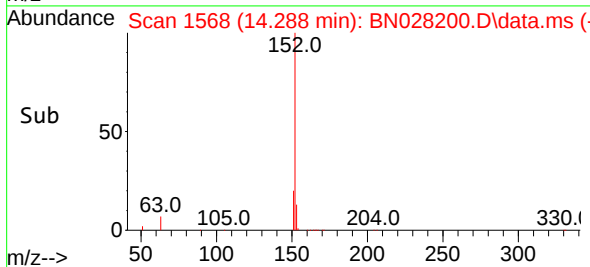
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

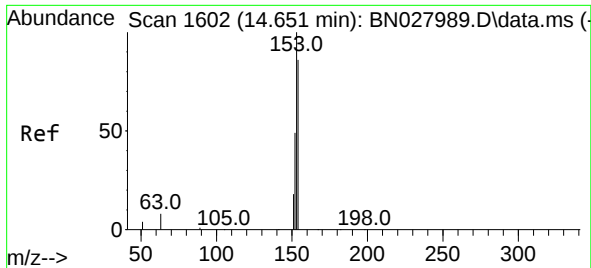


#16
Acenaphthylene
Concen: 23.961 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



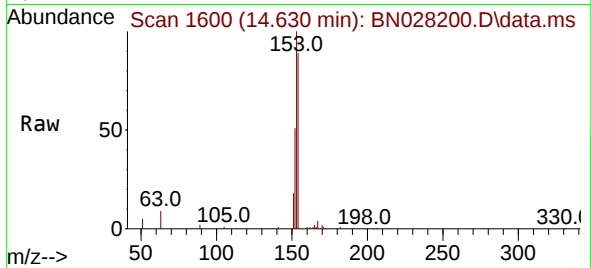
Tgt Ion:152 Resp: 966976
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 2.502 ng
RT: 14.630 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

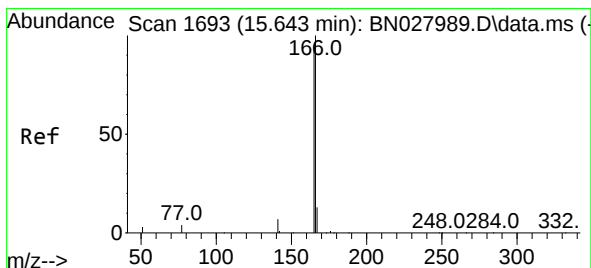
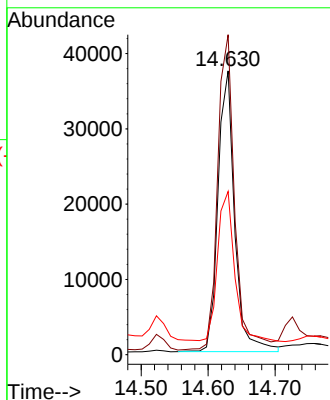
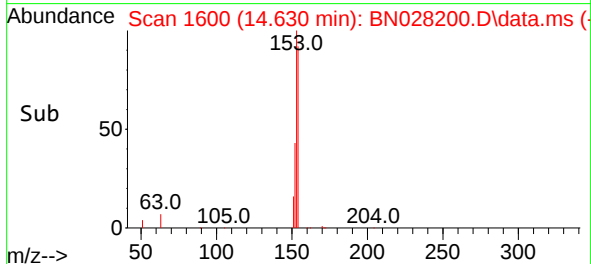
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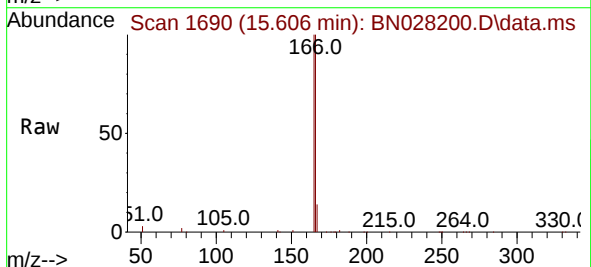
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Ion Ratio Lower Upper
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153 114.0 90.8 136.2
152 55.0 43.9 65.9

Manual Integrations
APPROVED

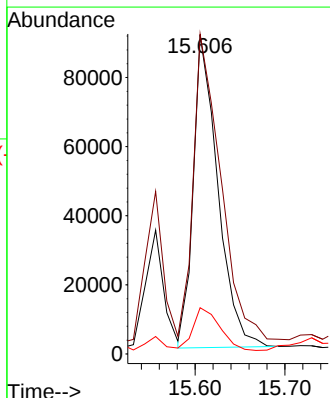
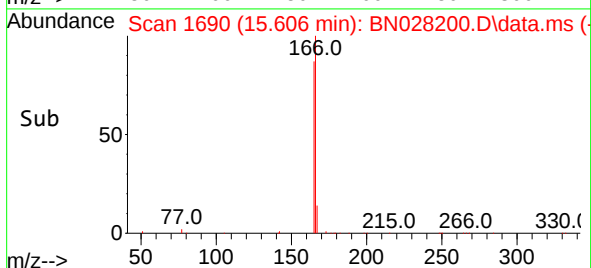
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

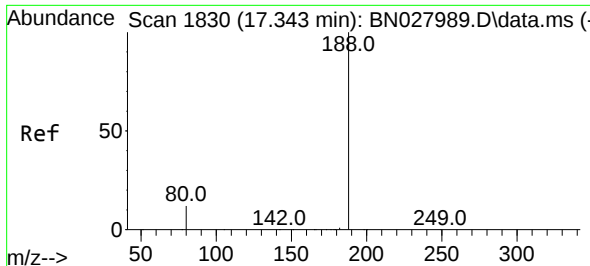


#18
Fluorene
Concen: 5.141 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



Tgt Ion:166 Resp: 171786
Ion Ratio Lower Upper
166 100
165 110.3 77.8 116.8
167 14.8 10.7 16.1





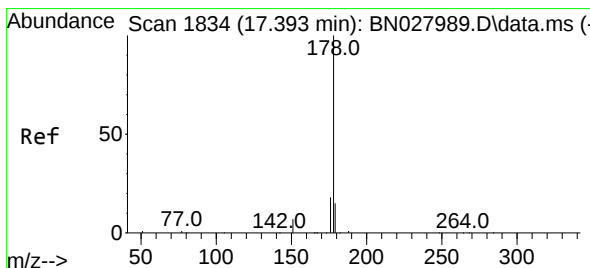
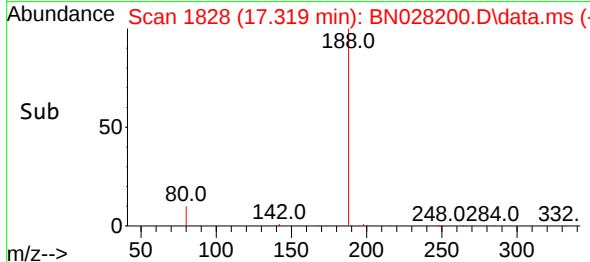
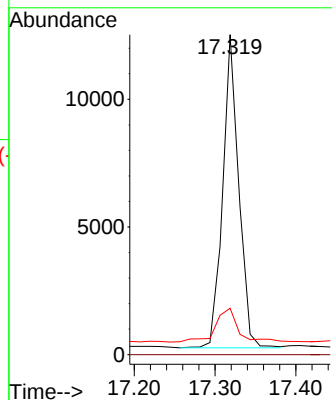
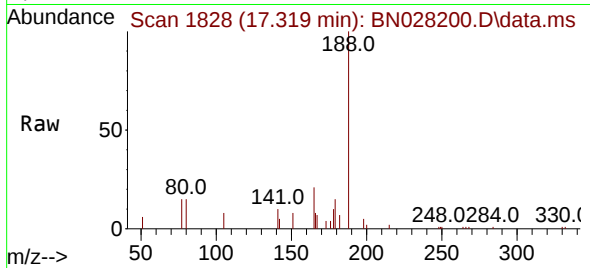
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)

Tgt Ion:188 Resp: 1691
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.5 10.2 15.4

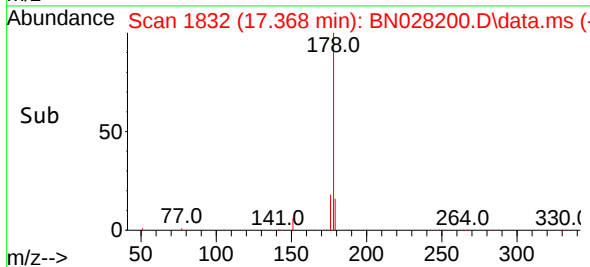
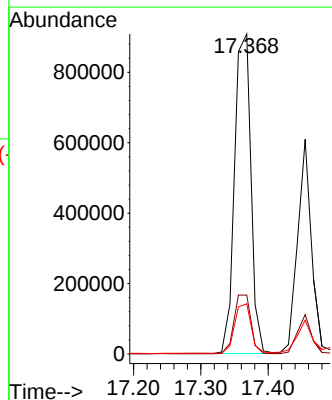
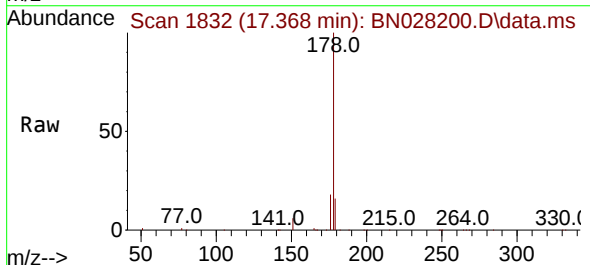
Manual Integrations
APPROVED

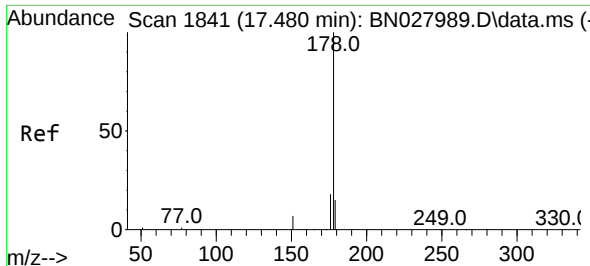
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 33.716 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

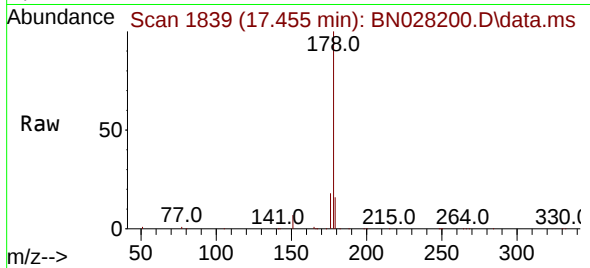
Tgt Ion:178 Resp: 1537188
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.6 12.4 18.6





#26
 Anthracene
 Concen: 20.509 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028200.D
 Acq: 10 Oct 2023 16:50

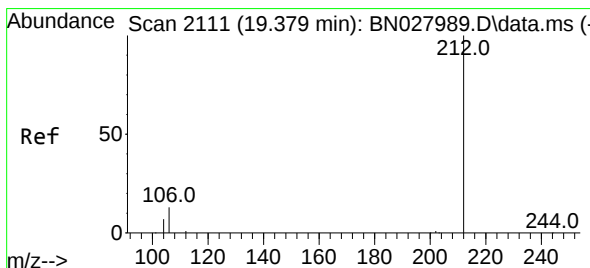
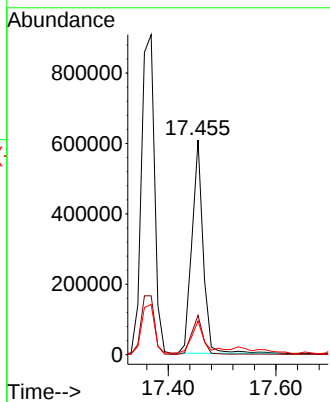
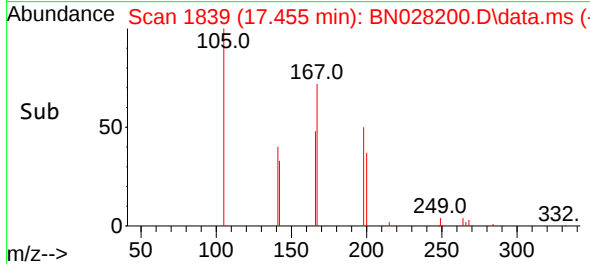
Instrument :
 BNA_N
 ClientSampleId :
 W-2(0-2IN)



Tgt Ion:178 Resp: 88380
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 17.9 12.2 18.2

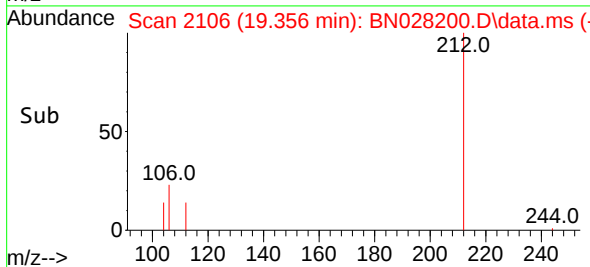
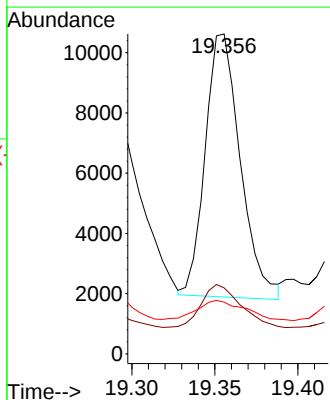
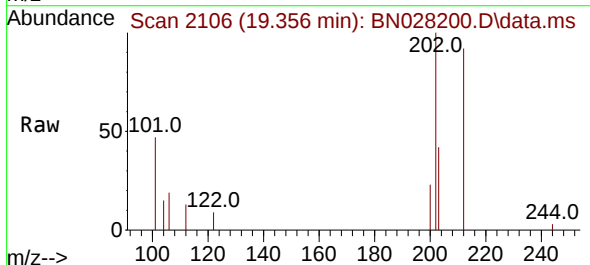
Manual Integrations
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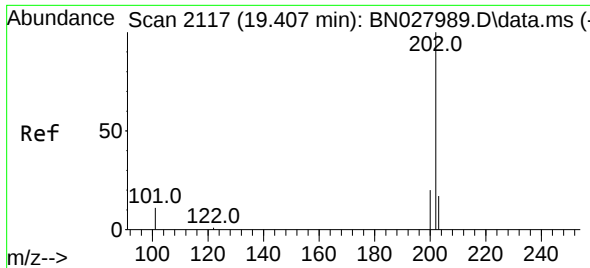
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.303 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028200.D
 Acq: 10 Oct 2023 16:50

Tgt Ion:212 Resp: 12859
 Ion Ratio Lower Upper
 212 100
 106 18.2 11.3 16.9#
 104 11.1 6.4 9.6#





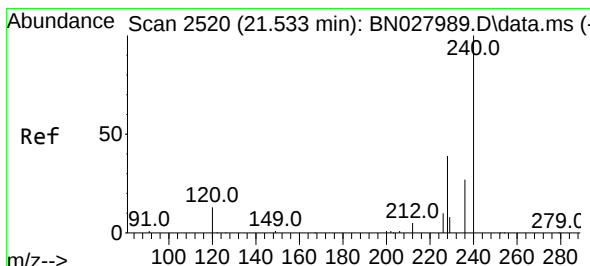
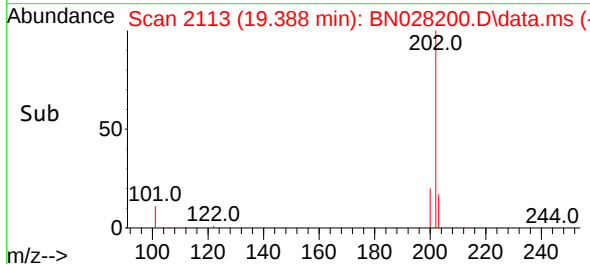
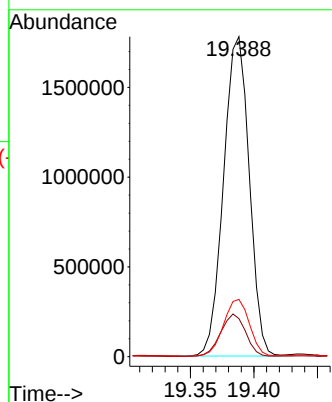
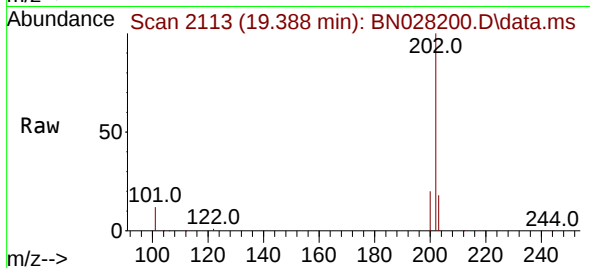
#28
Fluoranthene
Concen: 47.608 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)

Tgt Ion:202 Resp: 250496
Ion Ratio Lower Upper
202 100
101 12.9 9.8 14.6
203 17.9 13.8 20.8

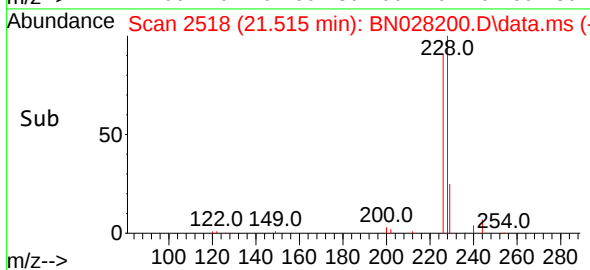
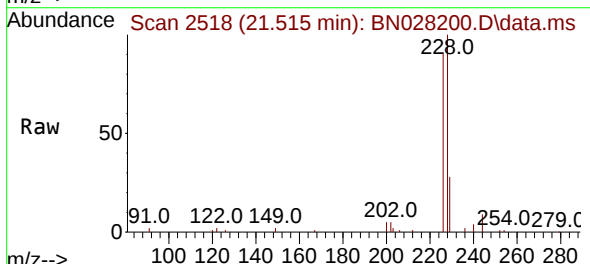
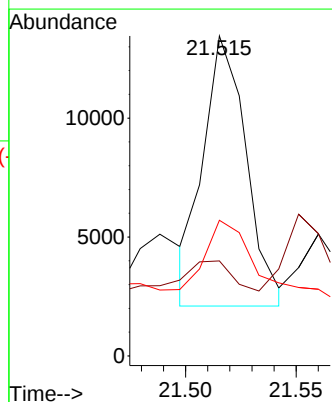
Manual Integrations
APPROVED

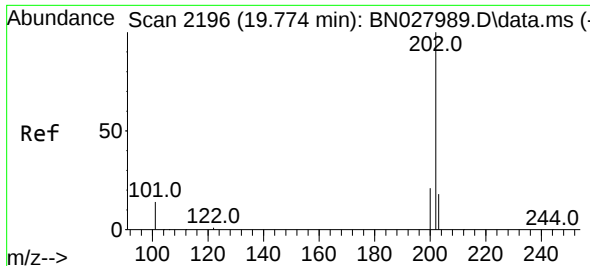
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

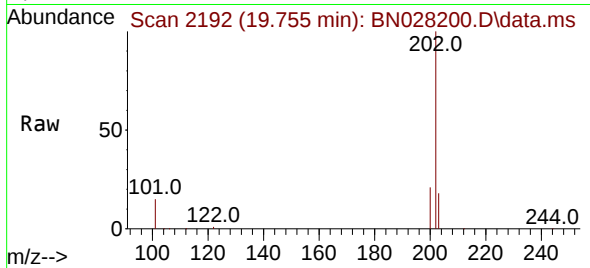
Tgt Ion:240 Resp: 15290
Ion Ratio Lower Upper
240 100
120 29.7 13.8 20.6#
236 42.4 22.6 33.8#





#30
Pyrene
Concen: 53.908 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

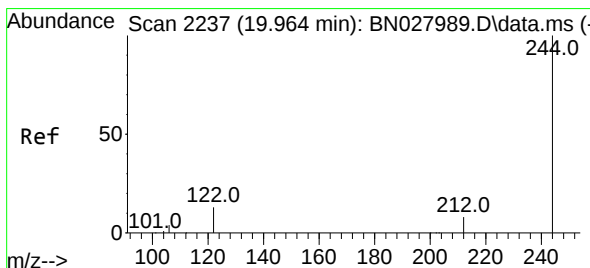
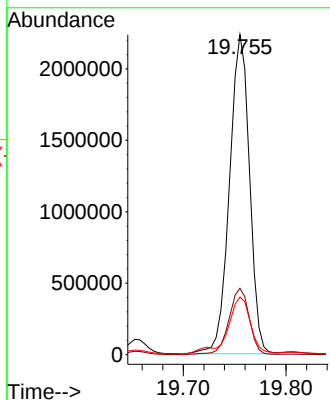
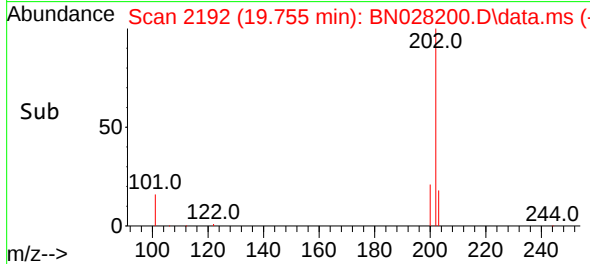
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



Tgt Ion:202 Resp: 302248
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 20.4 14.7 22.1

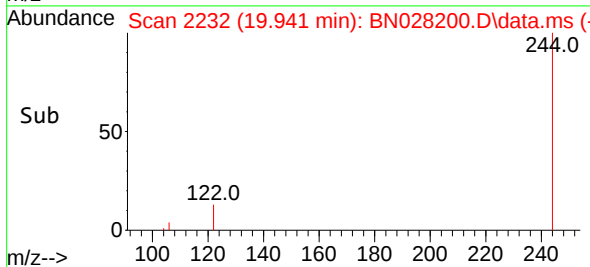
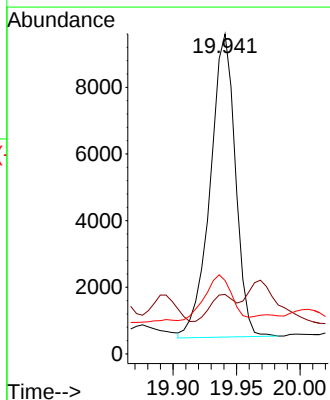
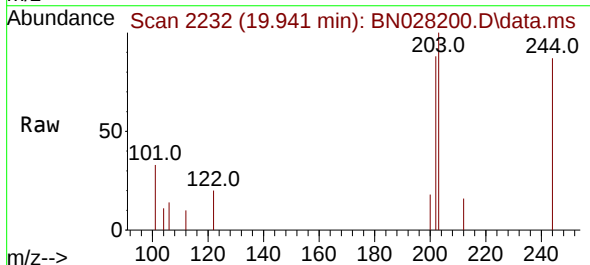
Manual Integrations
APPROVED

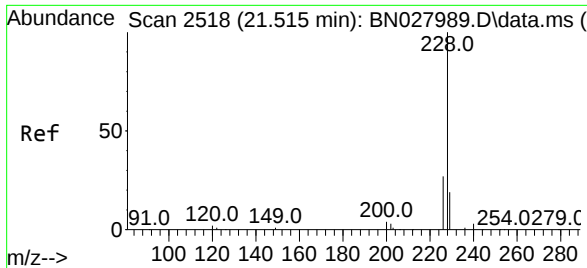
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.352 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

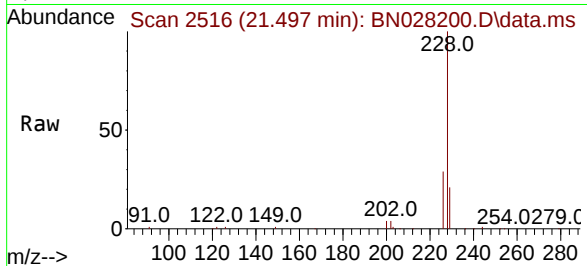
Tgt Ion:244 Resp: 12545
Ion Ratio Lower Upper
244 100
212 18.6 6.6 9.8#
122 23.0 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 35.474 ng
RT: 21.497 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

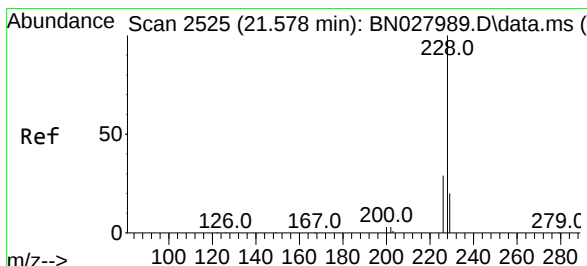
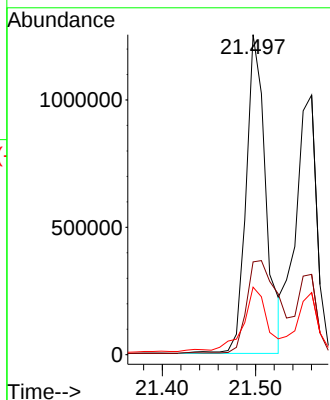
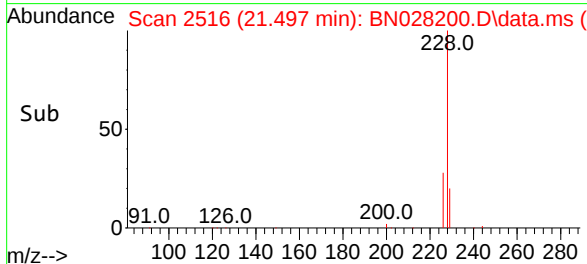
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



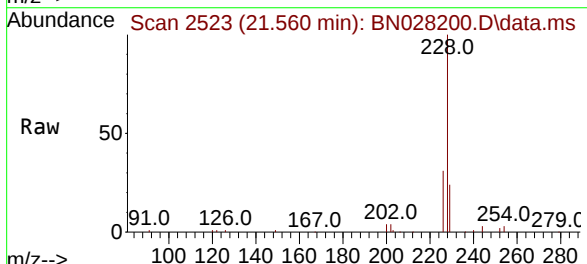
Tgt Ion:228 Resp: 1845690
Ion Ratio Lower Upper
228 100
226 29.0 22.0 33.0
229 21.1 16.0 24.0

Manual Integrations
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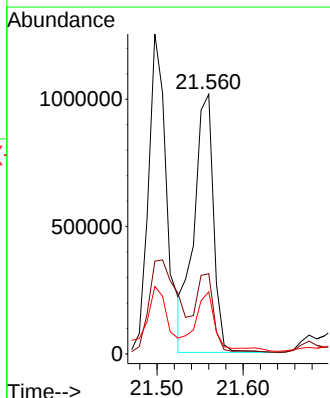
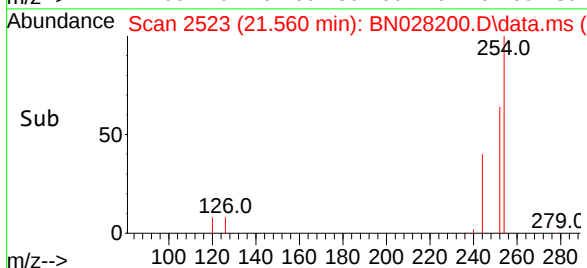
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

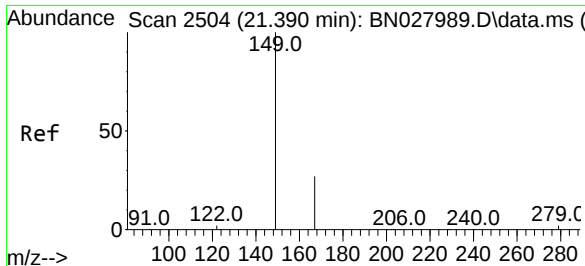


#33
Chrysene
Concen: 32.104 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50



Tgt Ion:228 Resp: 1609721
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 23.9 16.6 25.0





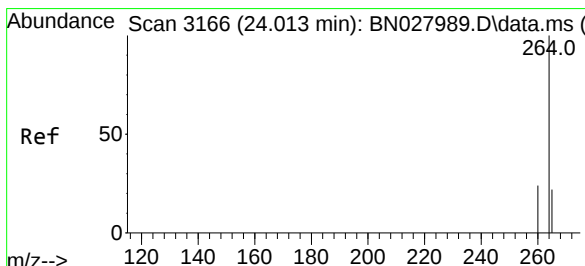
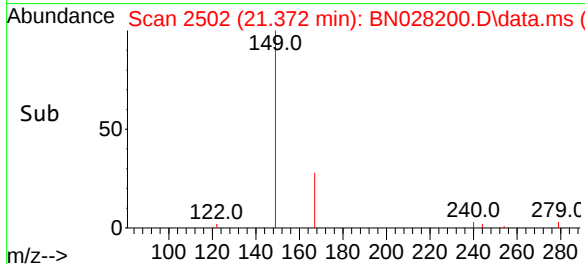
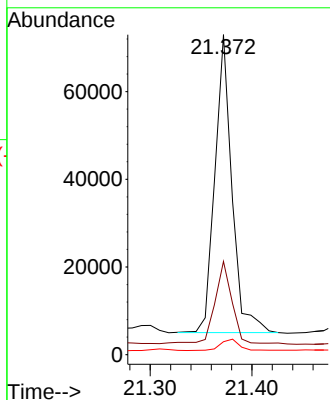
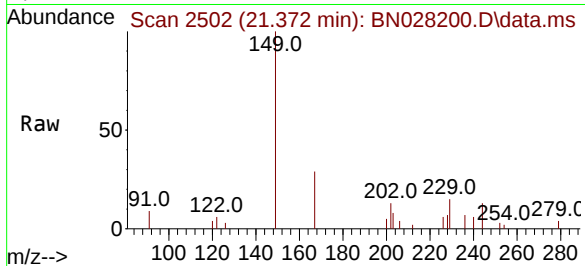
#34
Bis(2-ethylhexyl)phthalate
Concen: 2.311 ng
RT: 21.372 min Scan# 2137
Delta R.T. 0.009 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)

Tgt Ion:149 Resp: 79070
Ion Ratio Lower Upper
149 100
167 27.3 22.1 33.1
279 4.0 3.4 5.0

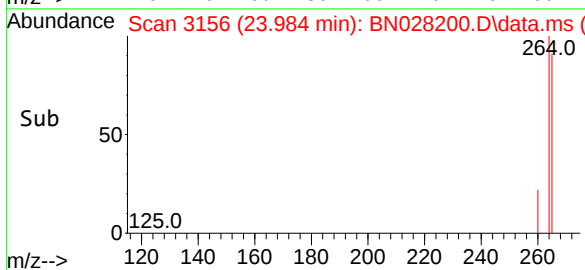
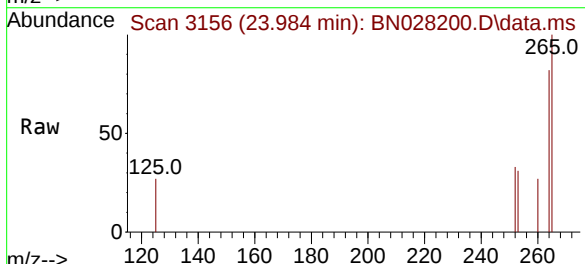
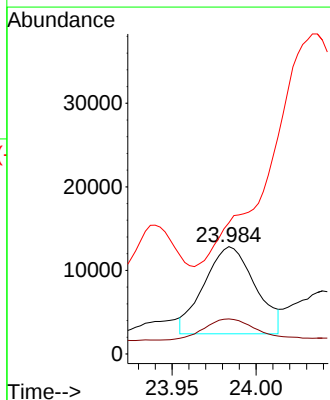
Manual Integrations
APPROVED

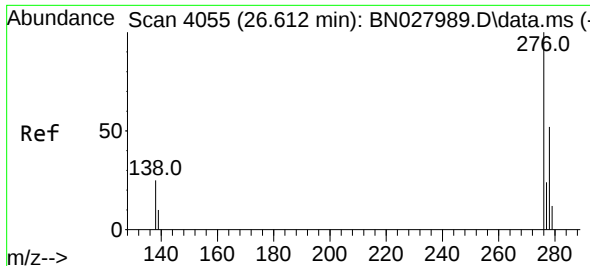
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

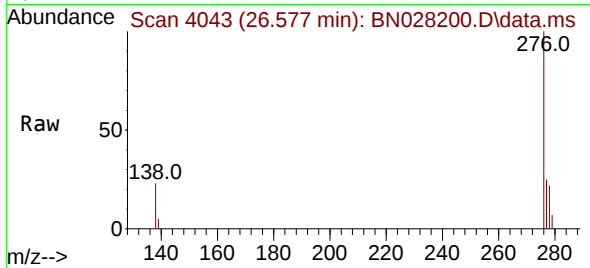
Tgt Ion:264 Resp: 22046
Ion Ratio Lower Upper
264 100
260 32.6 20.2 30.4#
265 122.2 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 15.345 ng
RT: 26.577 min Scan# 4055
Delta R.T. 0.020 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

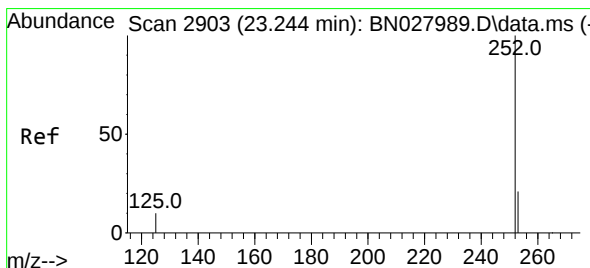
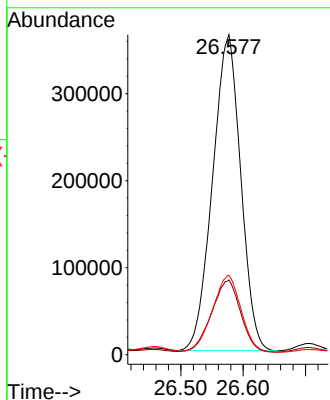
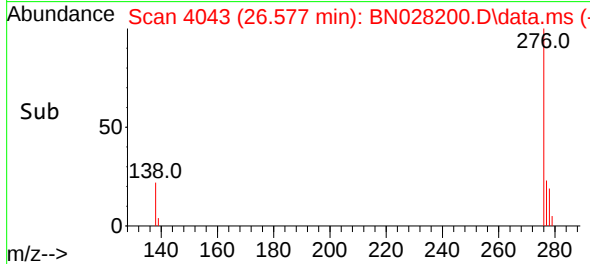
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



Tgt Ion:276 Resp: 1137890
Ion Ratio Lower Upper
276 100
138 23.5 20.9 31.3
277 24.8 19.8 29.6

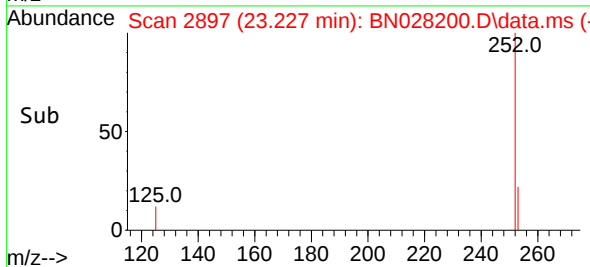
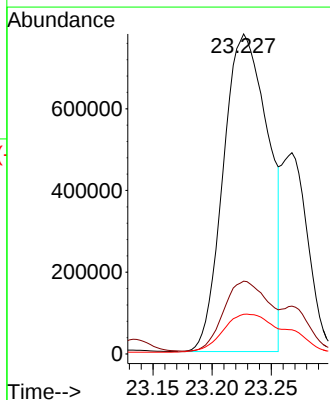
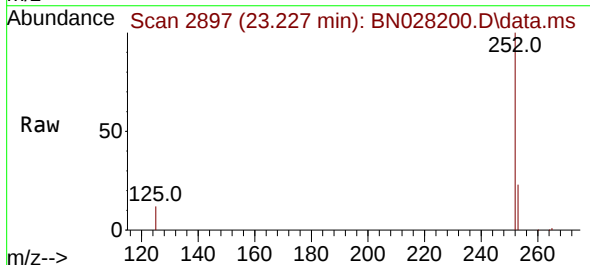
Manual Integrations
APPROVED

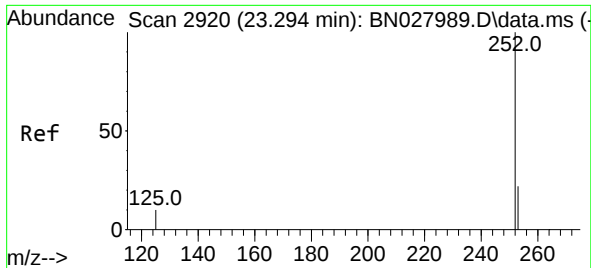
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 28.747 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.014 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

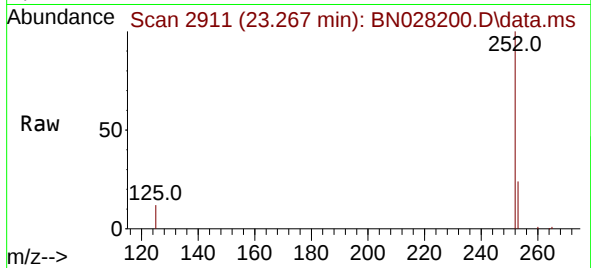
Tgt Ion:252 Resp: 2046780
Ion Ratio Lower Upper
252 100
253 22.8 22.9 34.3#
125 12.4 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 10.542 ng m
RT: 23.267 min Scan# 2911
Delta R.T. 0.006 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

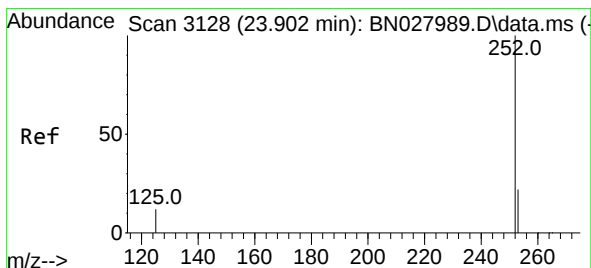
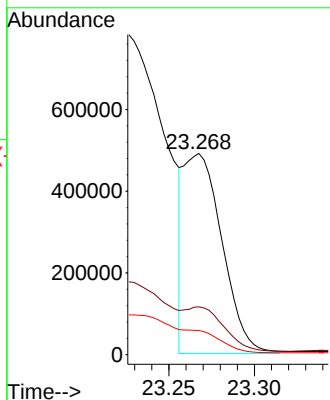
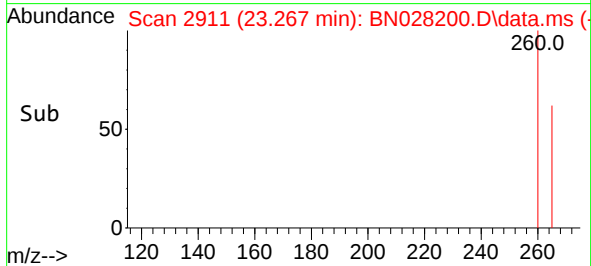
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



Tgt Ion:252 Resp: 761285
Ion Ratio Lower Upper
252 100
253 23.8 23.1 34.7
125 12.0 13.8 20.8

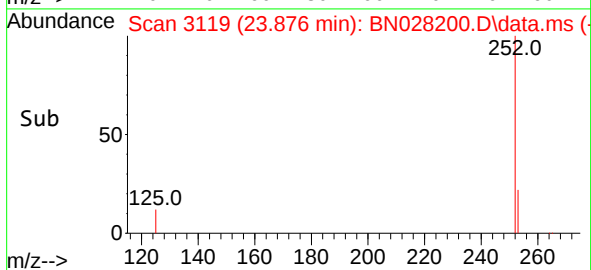
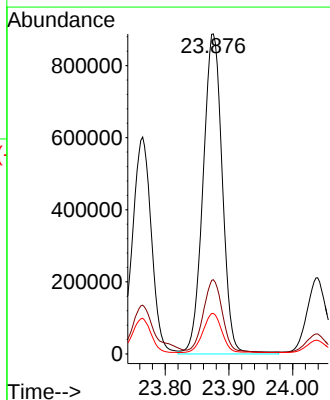
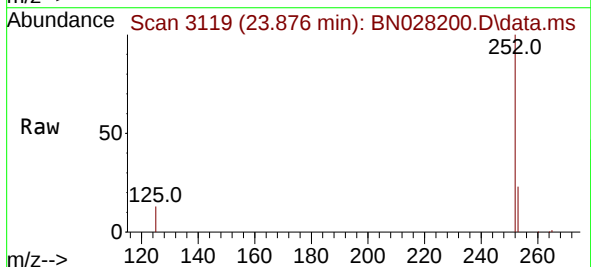
Manual Integrations
APPROVED

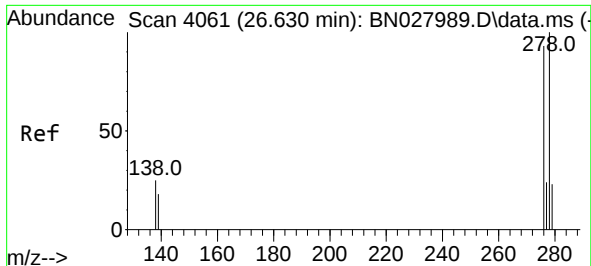
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 27.768 ng m
RT: 23.876 min Scan# 3119
Delta R.T. 0.012 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

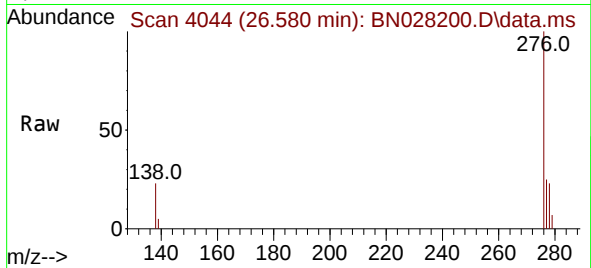
Tgt Ion:252 Resp: 1869484
Ion Ratio Lower Upper
252 100
253 23.2 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 5.588 ng
RT: 26.580 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

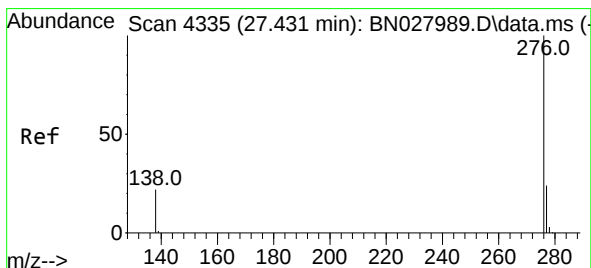
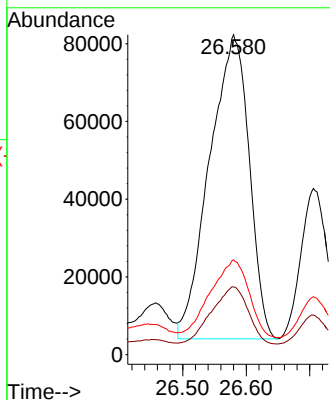
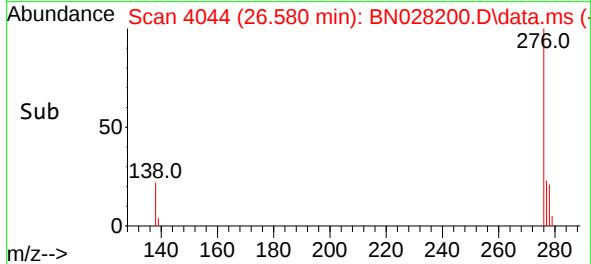
Instrument :
BNA_N
ClientSampleId :
W-2(0-2IN)



Tgt Ion:278 Resp: 33900
Ion Ratio Lower Upper
278 100
139 21.2 17.7 26.5
279 29.6 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#41
Benzo(g,h,i)perylene
Concen: 19.406 ng
RT: 27.393 min Scan# 4322
Delta R.T. 0.026 min
Lab File: BN028200.D
Acq: 10 Oct 2023 16:50

Tgt Ion:276 Resp: 1208356
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 24.1 20.8 31.2

