

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028255.D
 Acq On : 12 Oct 2023 05:15
 Operator : MA/JU
 Sample : 04805-06 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Oct 12 06:00:59 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

Manual Integrations APPROVED

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

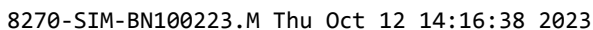
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	3736	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	12816	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	10343	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	16713	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	12654m	0.400	ng	0.00
35) Perylene-d12	23.999	264	28190	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	1151	0.103	ng	-0.01
5) Phenol-d6	7.084	99	1386	0.099	ng	0.00
8) Nitrobenzene-d5	9.112	82	1156	0.106	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	1819	0.096	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	392	0.083	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2474	0.066	ng	-0.01
27) Fluoranthene-d10	19.379	212	6303	0.150	ng	0.02
31) Terphenyl-d14	19.932	244	7135	0.242	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	473608	14.302	ng	98
12) 2-Methylnaphthalene	12.385	142	143389	6.190	ng	98
16) Acenaphthylene	14.288	152	1988407	43.397	ng	99
17) Acenaphthene	14.619	154	171279	5.864	ng	96
18) Fluorene	15.606	166	525210	13.845	ng	# 92
25) Phenanthrene	17.368	178	4943486	109.714	ng	99
26) Anthracene	17.455	178	2410816	56.607	ng	# 94
28) Fluoranthene	19.398	202	6267756	120.533	ng	97
30) Pyrene	19.765	202	7197358	155.112	ng	96
32) Benzo(a)anthracene	21.506	228	3958139	91.923	ng	95
33) Chrysene	21.569	228	3424523	82.526	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	82951	2.929	ng	98
36) Indeno(1,2,3-cd)pyrene	26.609	276	1827441	19.272	ng	97
37) Benzo(b)fluoranthene	23.241	252	3713389	40.787	ng	# 89
38) Benzo(k)fluoranthene	23.282	252	1308075m	14.165	ng	
39) Benzo(a)pyrene	23.899	252	3420319m	39.730	ng	
40) Dibenzo(a,h)anthracene	26.612	278	557044	7.181	ng	97
41) Benzo(g,h,i)perylene	27.431	276	1850733	23.245	ng	95

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

Manual Integrations

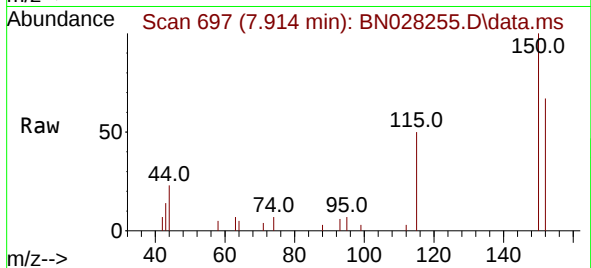
Quant Time: Oct 12 06:00:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 04:03:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 697
Delta R.T. -0.008 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

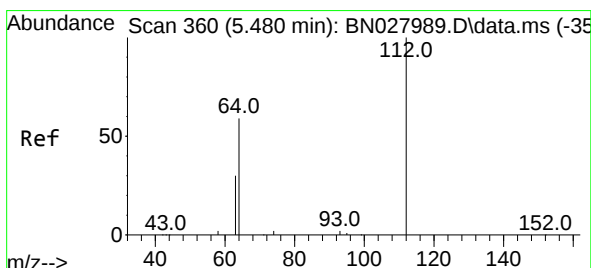
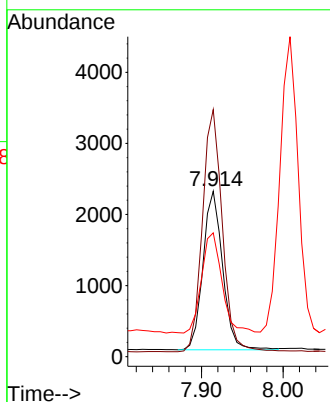
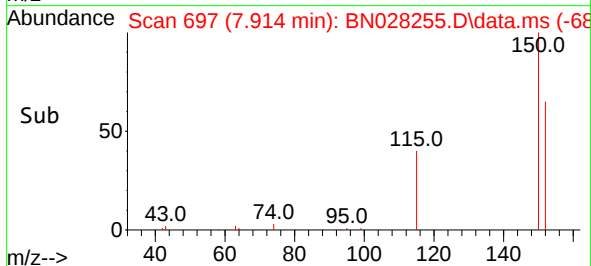
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:152 Resp: 3730
Ion Ratio Lower Upper
152 100
150 149.3 125.6 188.4
115 74.9 54.8 82.2

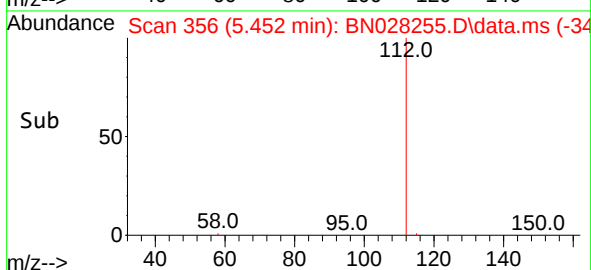
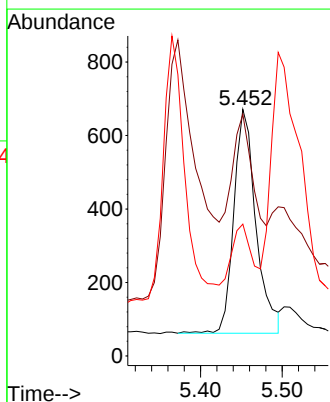
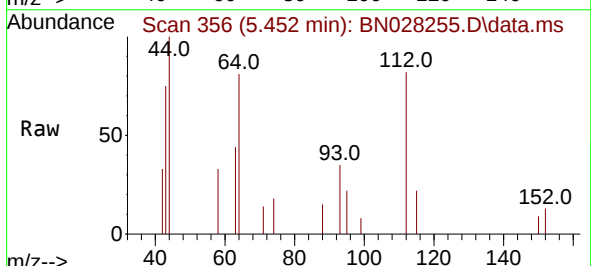
Manual Integrations
APPROVED

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



#4
2-Fluorophenol
Concen: 0.103 ng
RT: 5.452 min Scan# 356
Delta R.T. -0.014 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

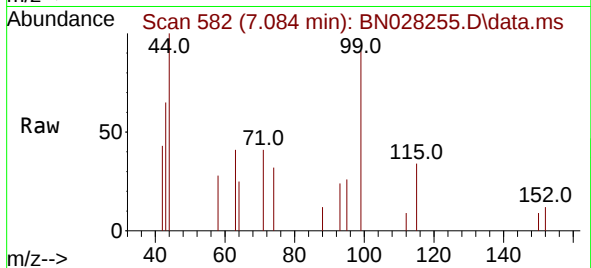
Tgt Ion:112 Resp: 1151
Ion Ratio Lower Upper
112 100
64 45.0 45.0 67.6#
63 23.9 23.4 35.0





#5
Phenol-d6
Concen: 0.099 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

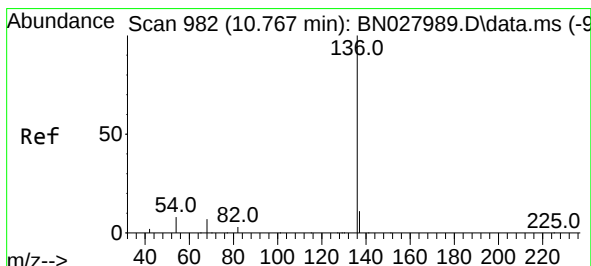
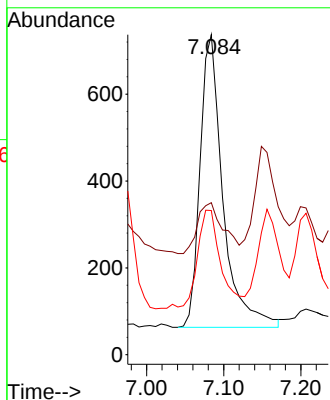
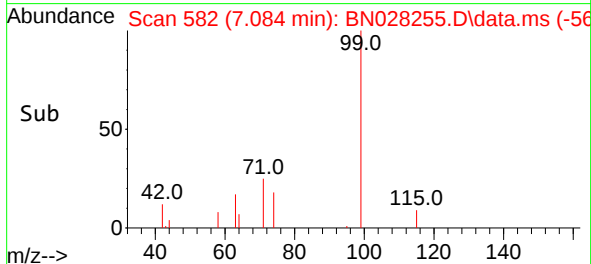
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion: 99 Resp: 1380
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 34.9 28.3 42.5

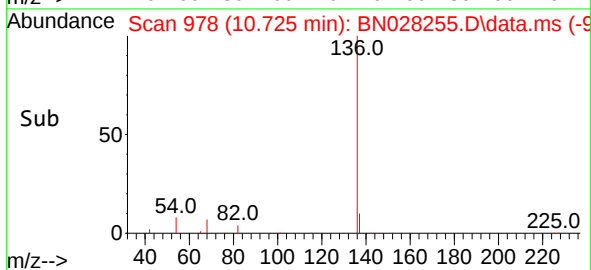
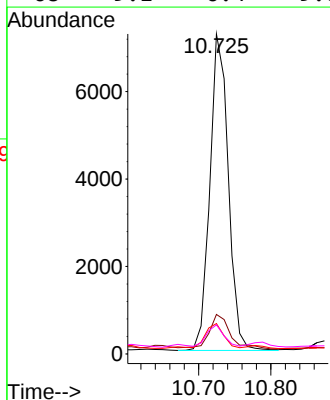
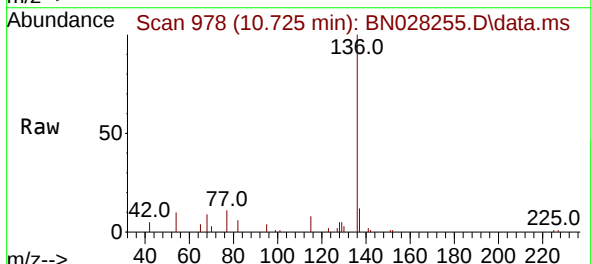
Manual Integrations
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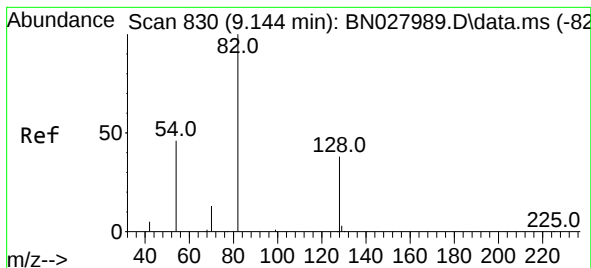
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:136 Resp: 12816
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 9.5 7.0 10.6
68 9.1 6.4 9.6





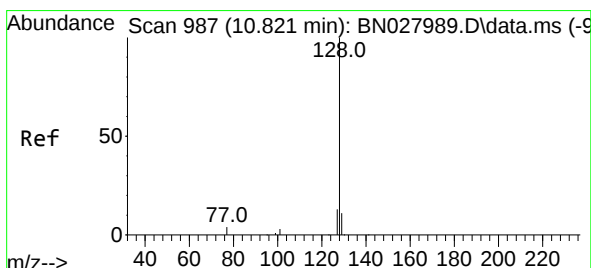
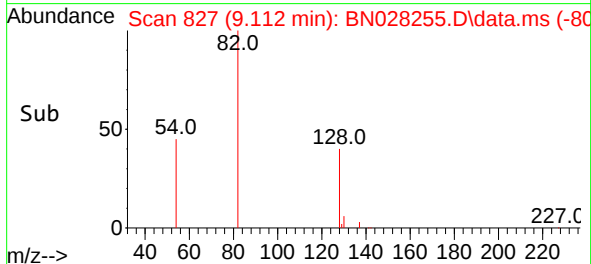
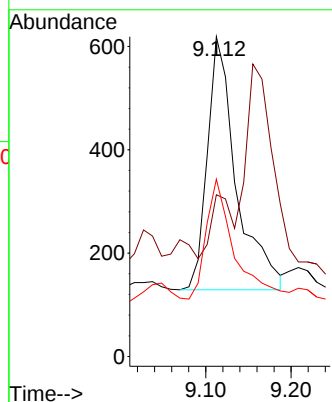
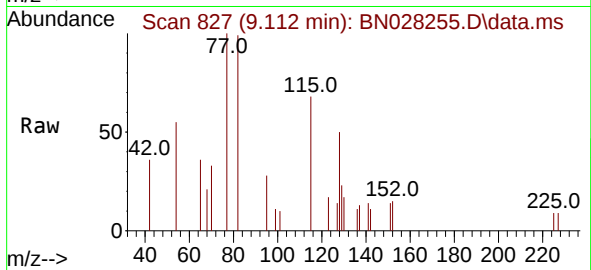
#8
Nitrobenzene-d5
Concen: 0.106 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

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

Tgt Ion: 82 Resp: 1150
Ion Ratio Lower Upper
82 100
128 50.6 32.7 49.1
54 55.4 38.7 58.1

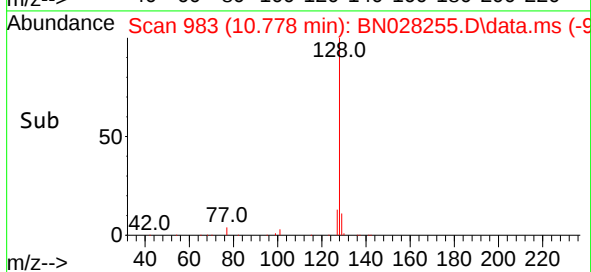
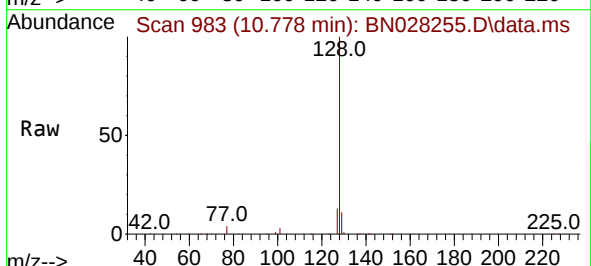
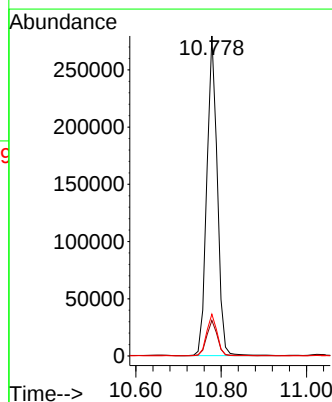
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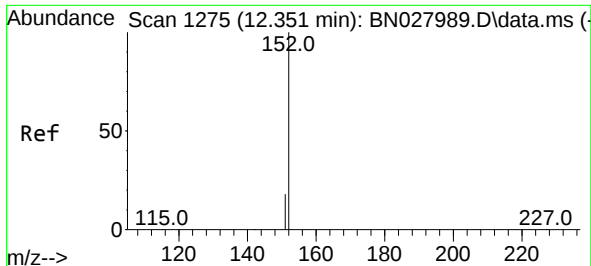
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#9
Naphthalene
Concen: 14.302 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

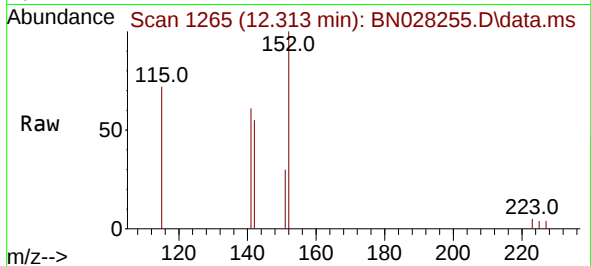
Tgt Ion:128 Resp: 473608
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.1 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 12.313 min Scan# 1283
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

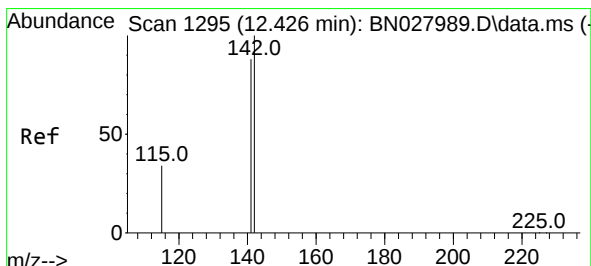
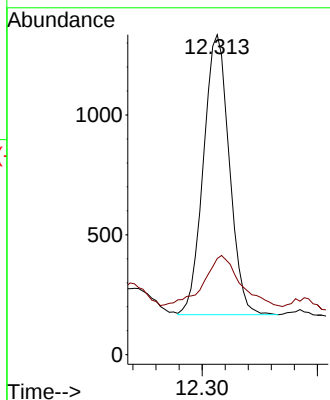
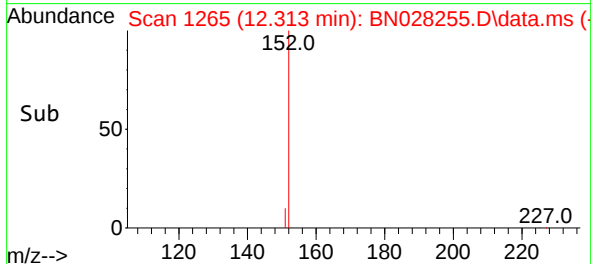
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:152 Resp: 1819
Ion Ratio Lower Upper
152 100
151 31.4 16.5 24.75

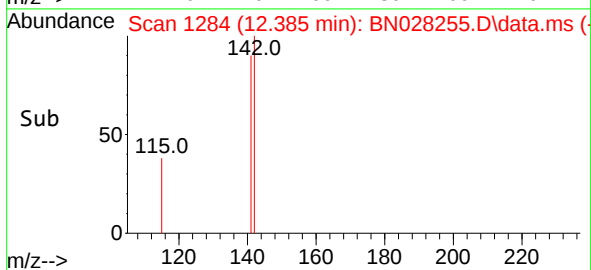
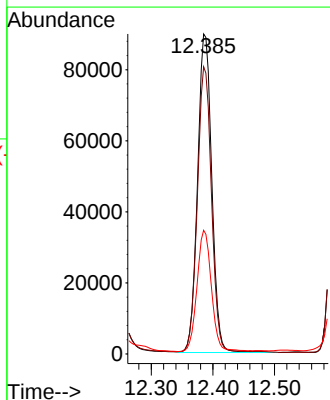
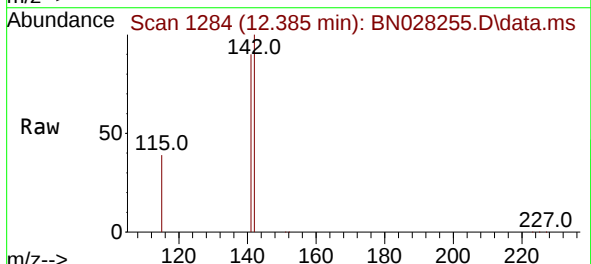
Manual Integrations
APPROVED

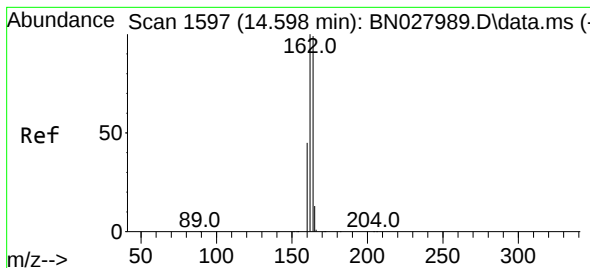
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#12
2-Methylnaphthalene
Concen: 6.190 ng
RT: 12.385 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

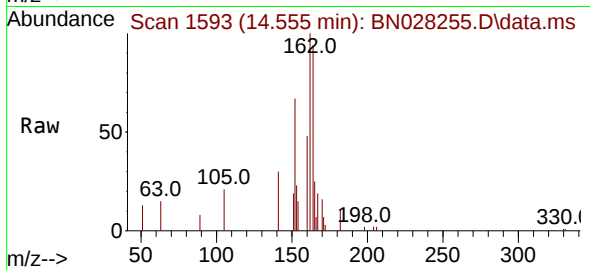
Tgt Ion:142 Resp: 143389
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1
115 38.7 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

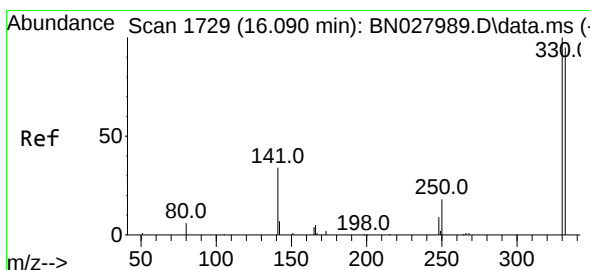
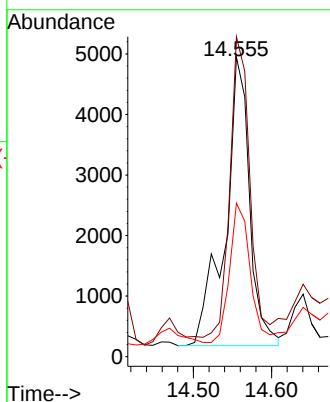
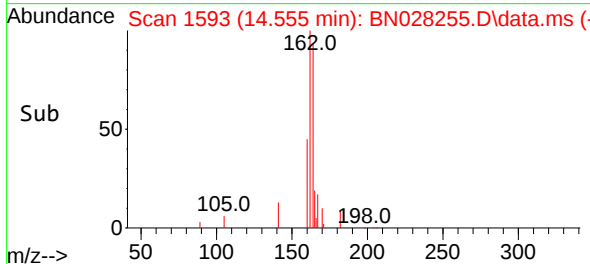
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



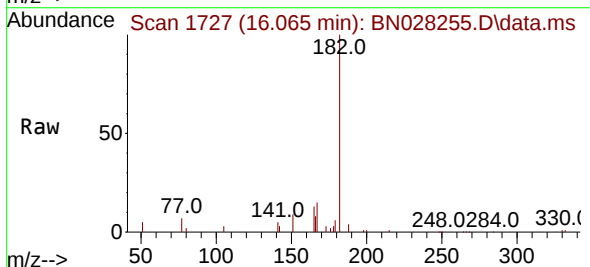
Tgt Ion:164 Resp: 1034
Ion Ratio Lower Upper
164 100
162 106.8 80.8 121.2
160 51.3 36.4 54.6

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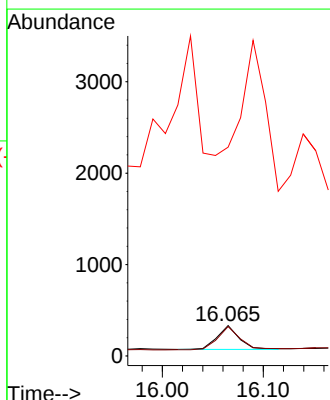
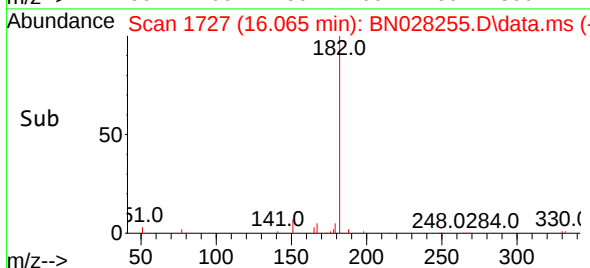
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

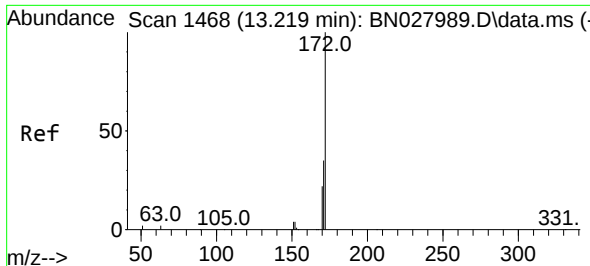


#14
2,4,6-Tribromophenol
Concen: 0.083 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15



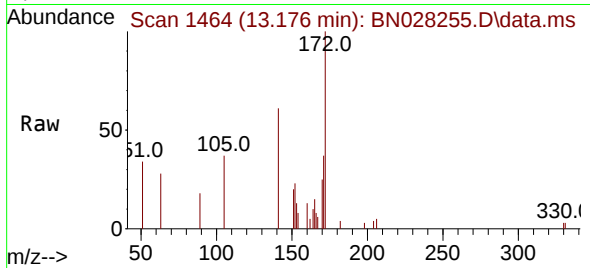
Tgt Ion:330 Resp: 392
Ion Ratio Lower Upper
330 100
332 105.1 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.066 ng
RT: 13.176 min Scan# 1468
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

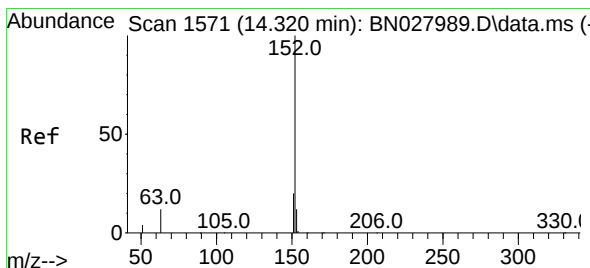
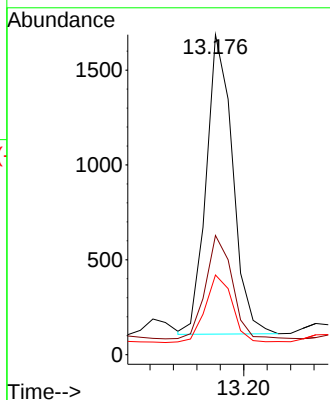
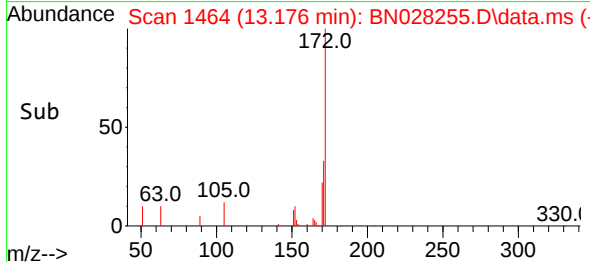
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:172 Resp: 2474
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 24.9 18.4 27.6

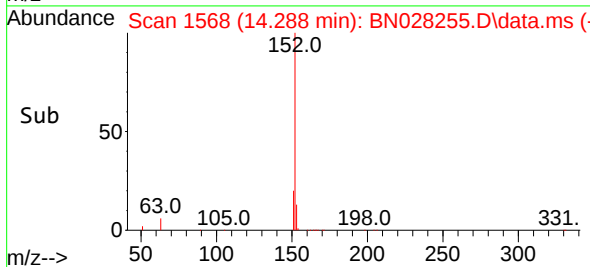
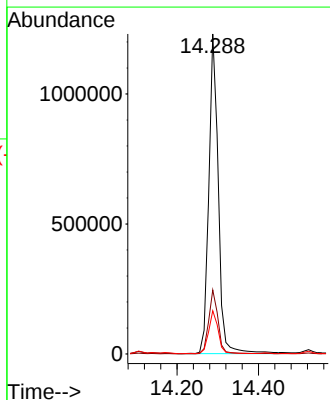
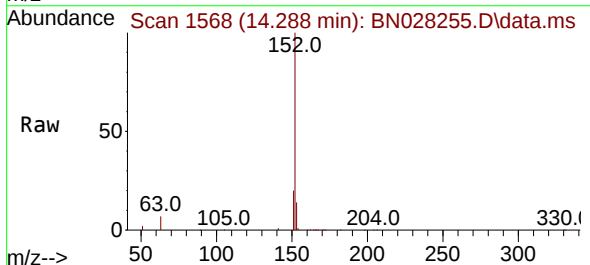
Manual Integrations
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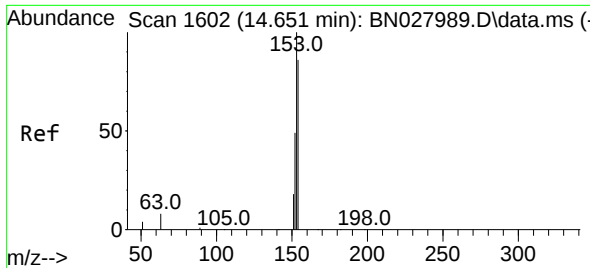
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#16
Acenaphthylene
Concen: 43.397 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

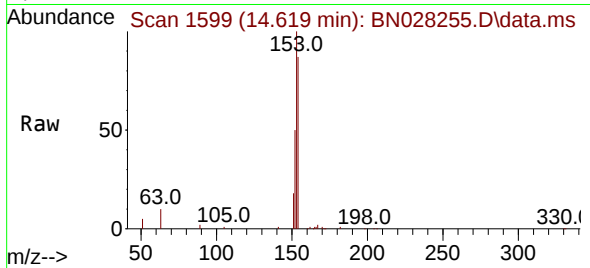
Tgt Ion:152 Resp: 1988407
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.5 10.2 15.4





#17
Acenaphthene
Concen: 5.864 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

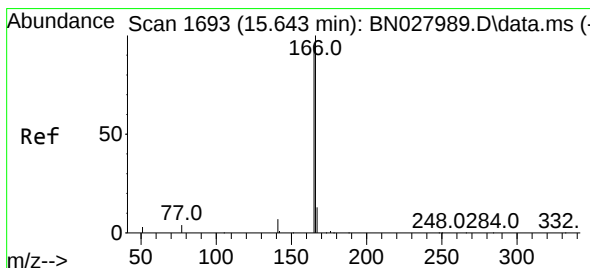
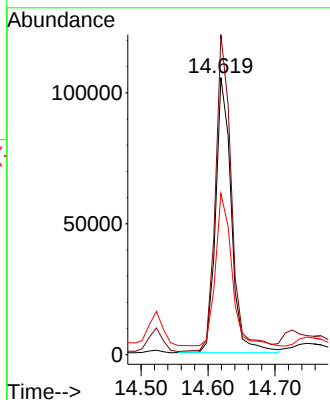
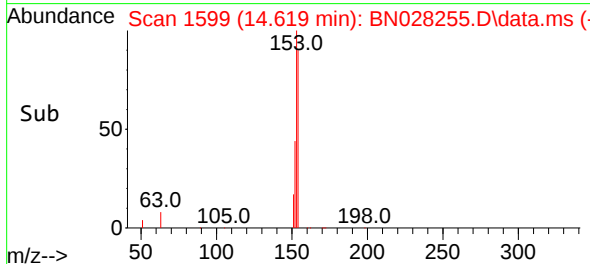
Instrument :
BNA_N
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M-1(0-5)



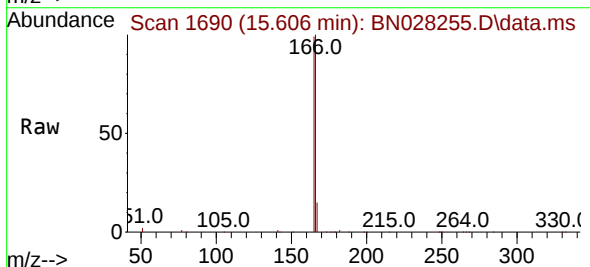
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Ion Ratio Lower Upper
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153 117.7 90.8 136.2
152 57.2 43.9 65.9

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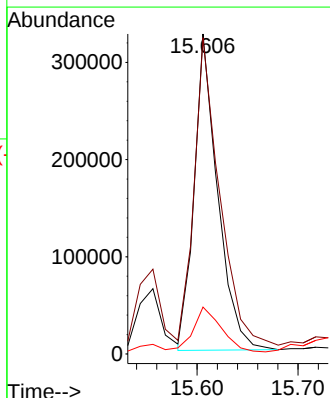
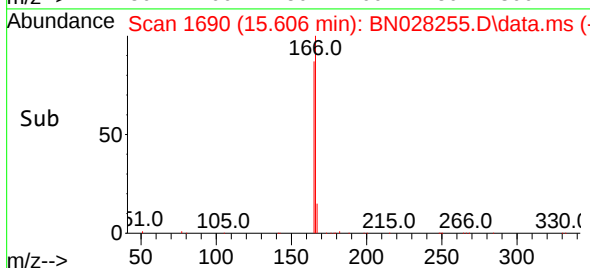
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

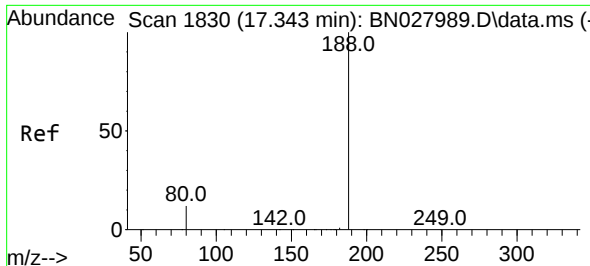


#18
Fluorene
Concen: 13.845 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15



Tgt Ion:166 Resp: 525210
Ion Ratio Lower Upper
166 100
165 105.6 77.8 116.8
167 16.9 10.7 16.1





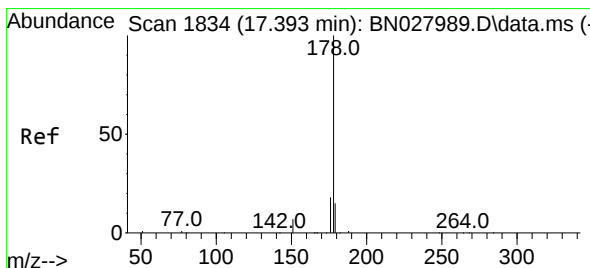
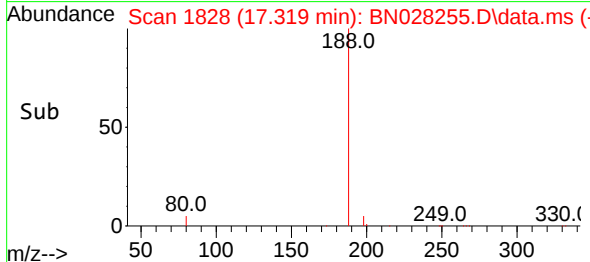
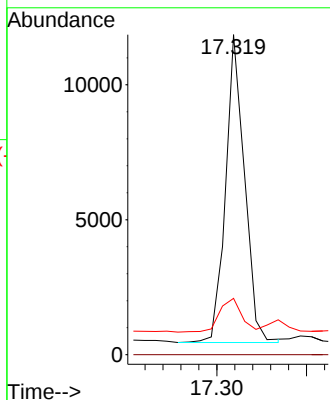
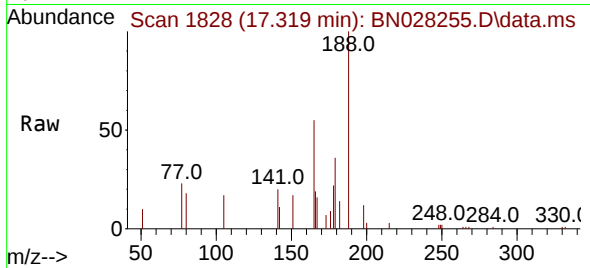
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

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

Tgt Ion:188 Resp: 1671
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.6 10.2 15.4

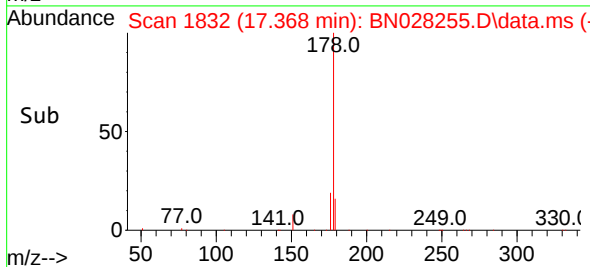
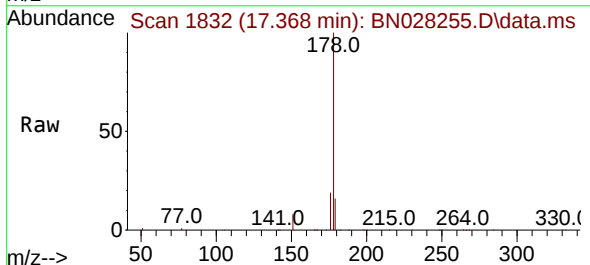
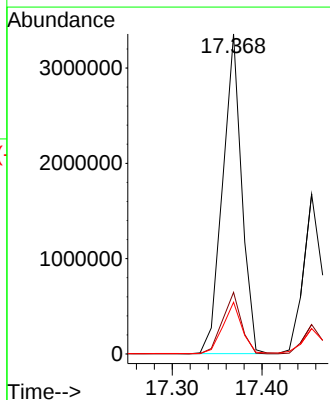
Manual Integrations
APPROVED

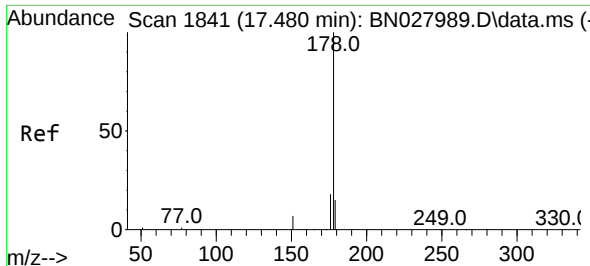
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#25
Phenanthrene
Concen: 109.714 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

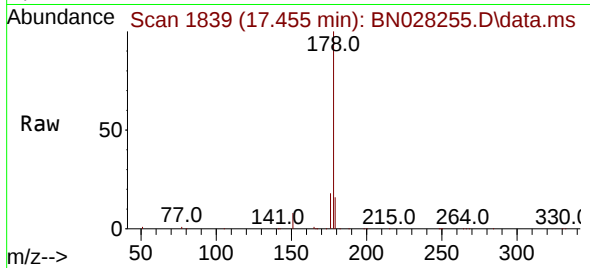
Tgt Ion:178 Resp: 4943486
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.2 12.4 18.6





#26
 Anthracene
 Concen: 56.607 ng
 RT: 17.455 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BN028255.D
 Acq: 12 Oct 2023 05:15

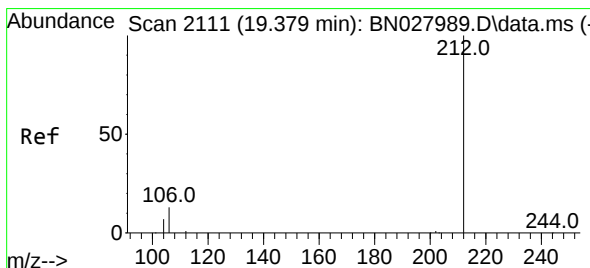
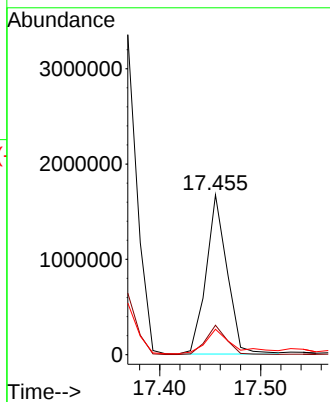
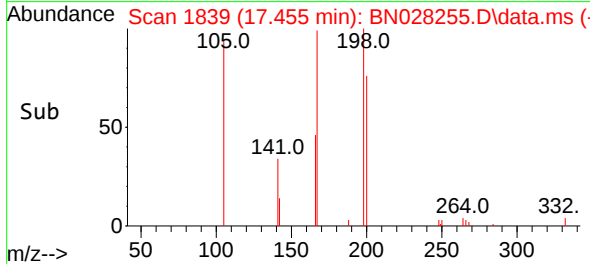
Instrument :
 BNA_N
 ClientSampleId :
 M-1(0-5)



Tgt Ion:178 Resp: 2410810
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 20.2 12.2 18.2

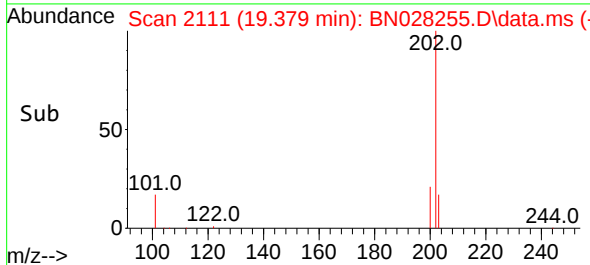
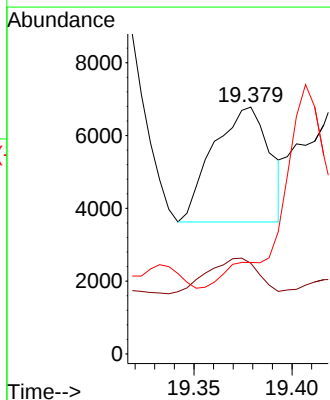
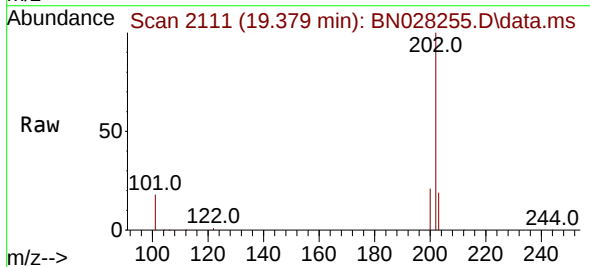
Manual Integrations
 APPROVED

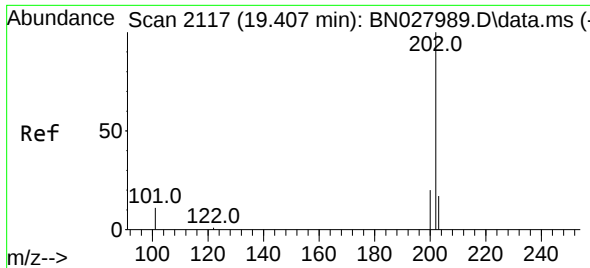
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#27
 Fluoranthene-d10
 Concen: 0.150 ng
 RT: 19.379 min Scan# 2111
 Delta R.T. 0.023 min
 Lab File: BN028255.D
 Acq: 12 Oct 2023 05:15

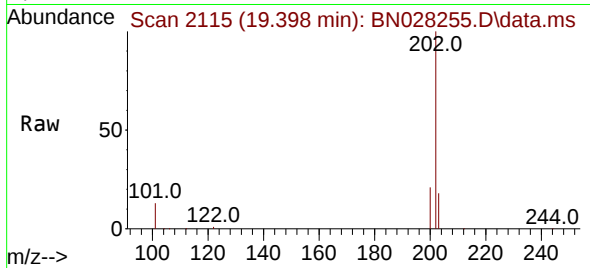
Tgt Ion:212 Resp: 6303
 Ion Ratio Lower Upper
 212 100
 106 27.9 11.3 16.9#
 104 0.0 6.4 9.6#





#28
Fluoranthene
Concen: 120.533 ng
RT: 19.398 min Scan# 2115
Delta R.T. 0.014 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

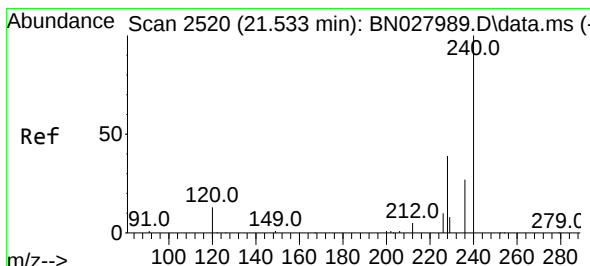
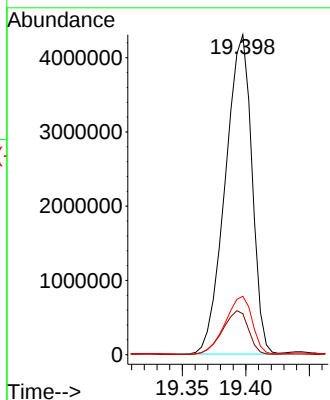
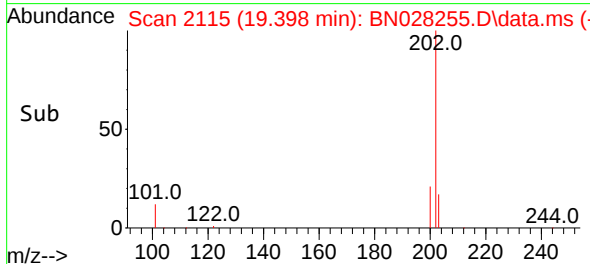
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



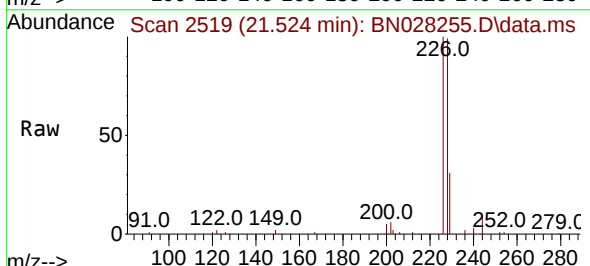
Tgt Ion:202 Resp: 6267750
Ion Ratio Lower Upper
202 100
101 13.5 9.8 14.6
203 18.4 13.8 20.8

Manual Integrations
APPROVED

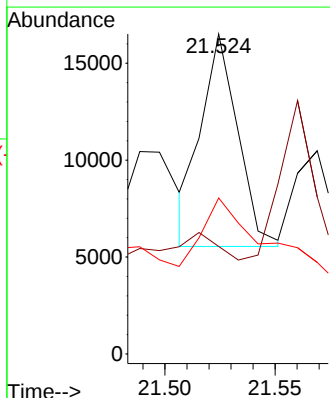
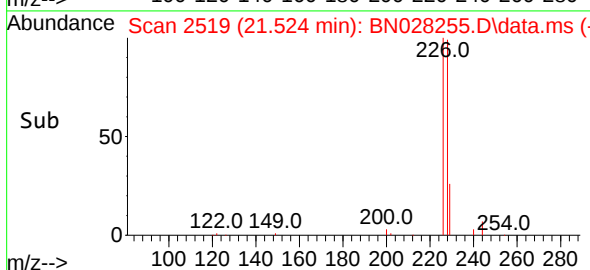
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

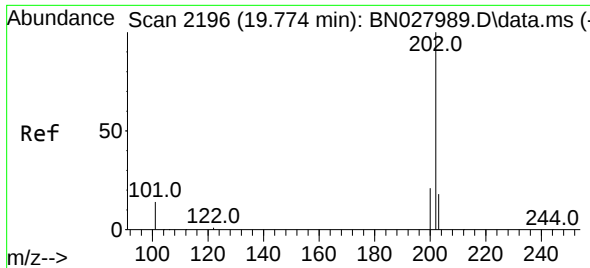


#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15



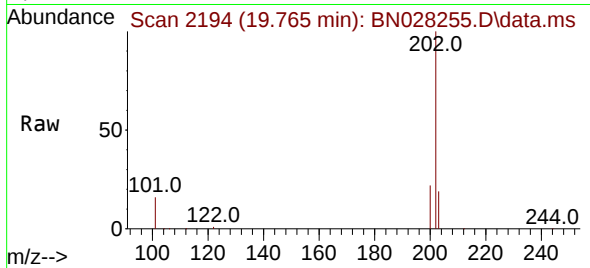
Tgt Ion:240 Resp: 12654
Ion Ratio Lower Upper
240 100
120 33.6 13.8 20.6#
236 48.8 22.6 33.8#





#30
Pyrene
Concen: 155.112 ng
RT: 19.765 min Scan# 2196
Delta R.T. 0.014 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

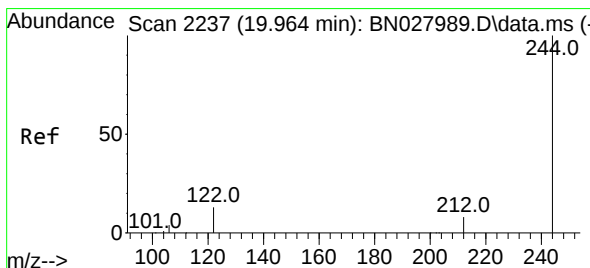
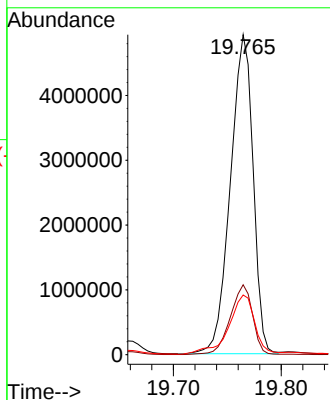
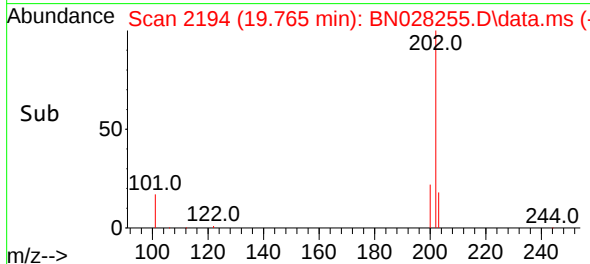
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:202 Resp: 719735
Ion Ratio Lower Upper
202 100
200 21.3 16.5 24.7
203 21.0 14.7 22.1

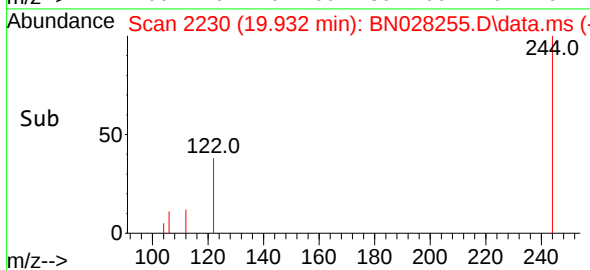
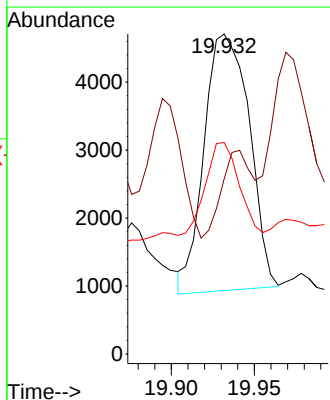
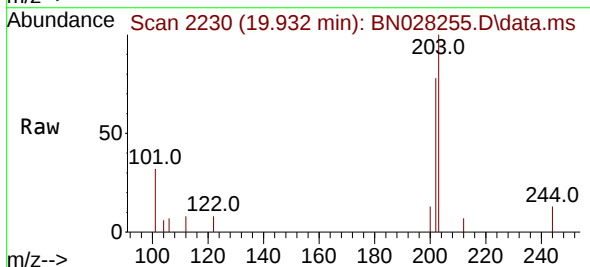
Manual Integrations
APPROVED

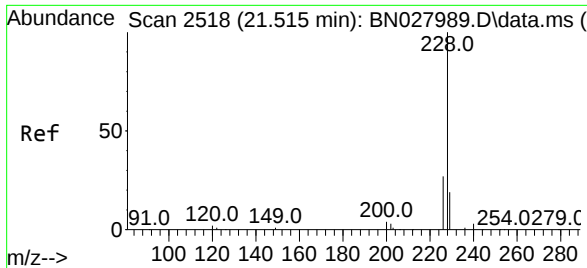
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#31
Terphenyl-d14
Concen: 0.242 ng
RT: 19.932 min Scan# 2230
Delta R.T. -0.009 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

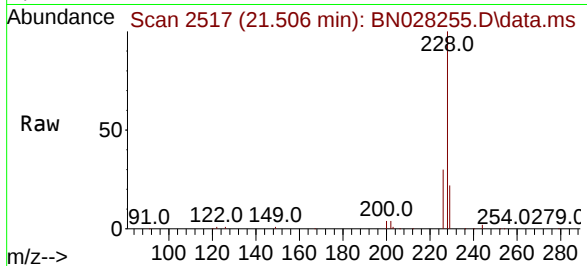
Tgt Ion:244 Resp: 7135
Ion Ratio Lower Upper
244 100
212 54.7 6.6 9.8#
122 66.1 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 91.923 ng
RT: 21.506 min Scan# 2150
Delta R.T. 0.009 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

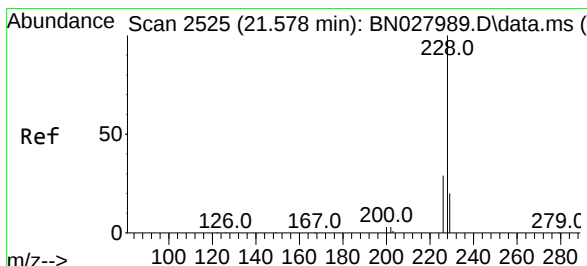
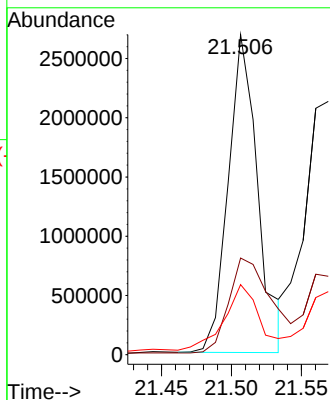
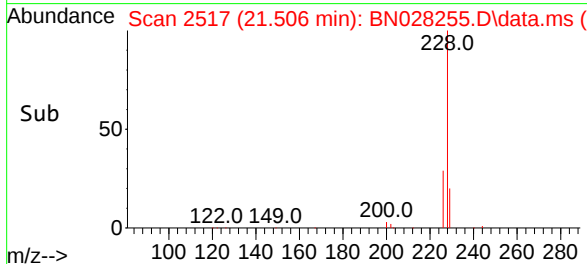
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:228 Resp: 3958139
Ion Ratio Lower Upper
228 100
226 30.2 22.0 33.0
229 21.9 16.0 24.0

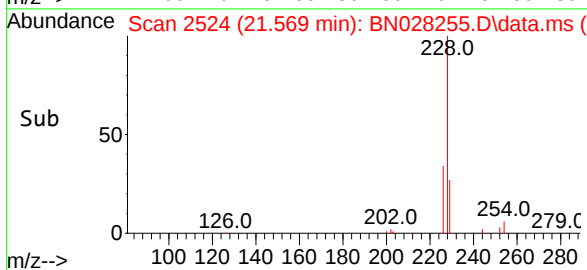
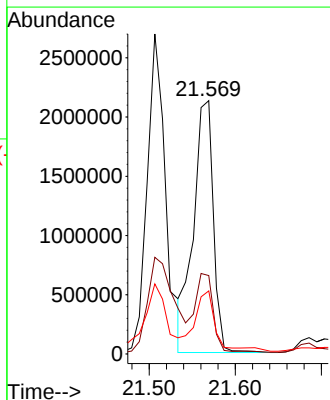
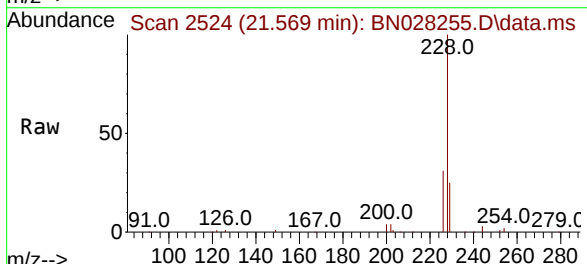
Manual Integrations
APPROVED

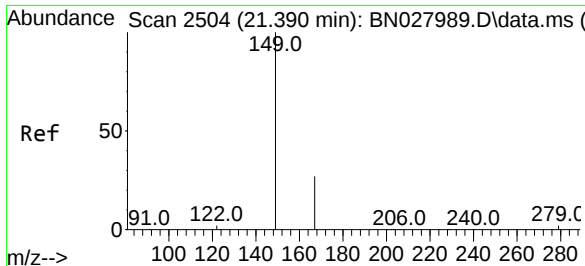
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#33
Chrysene
Concen: 82.526 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.018 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

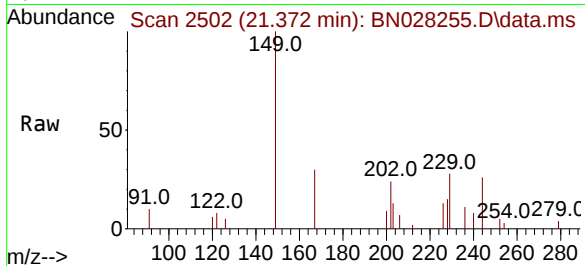
Tgt Ion:228 Resp: 3424523
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 24.9 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.929 ng
RT: 21.372 min Scan# 21372
Delta R.T. 0.009 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

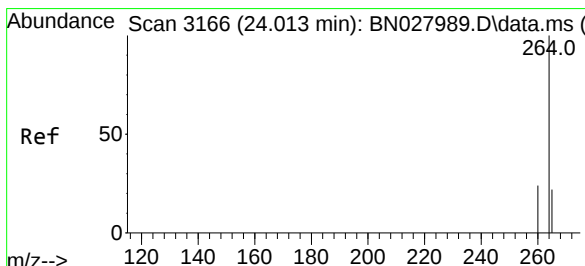
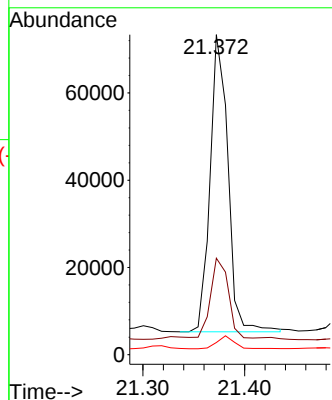
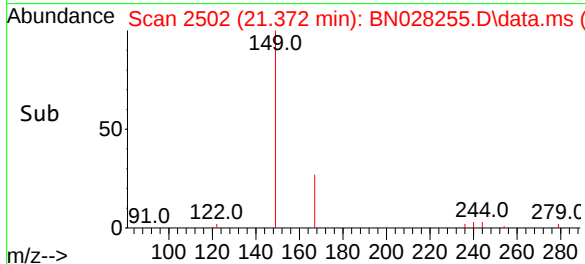
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



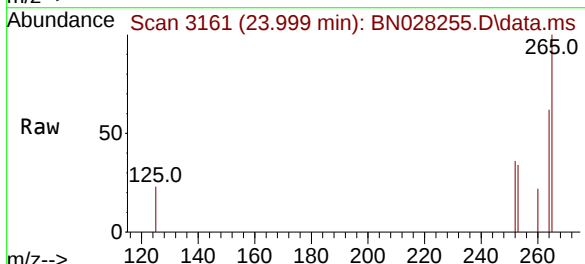
Tgt Ion:149 Resp: 8295
Ion Ratio Lower Upper
149 100
167 29.0 22.1 33.1
279 4.2 3.4 5.0

Manual Integrations
APPROVED

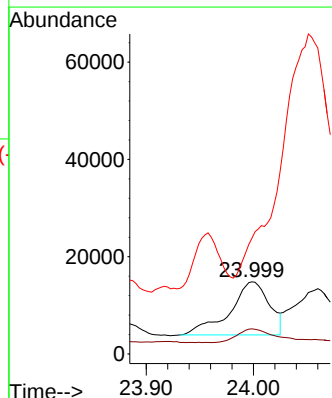
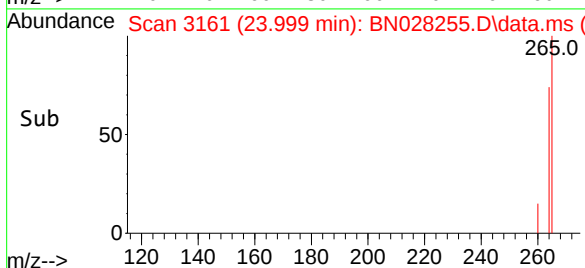
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

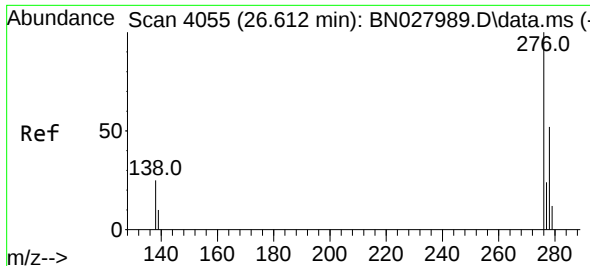


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.999 min Scan# 3161
Delta R.T. 0.023 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15



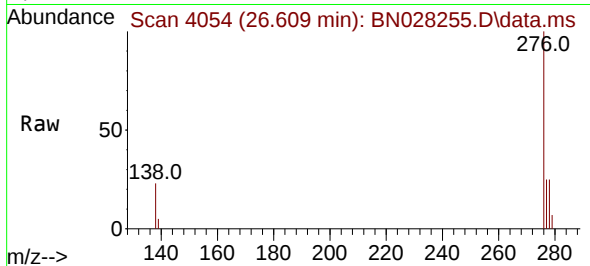
Tgt Ion:264 Resp: 28190
Ion Ratio Lower Upper
264 100
260 34.7 20.2 30.4#
265 160.7 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 19.272 ng
RT: 26.609 min Scan# 4055
Delta R.T. 0.053 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

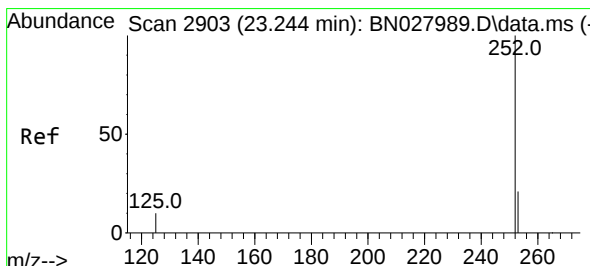
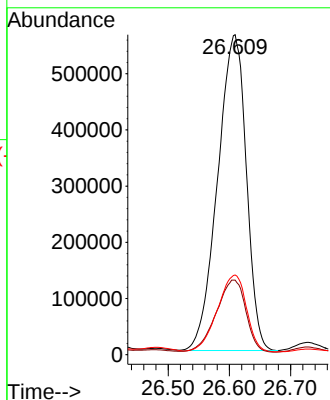
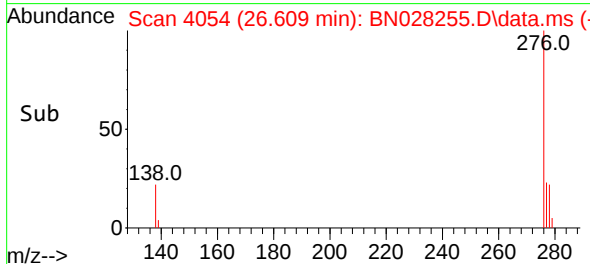
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



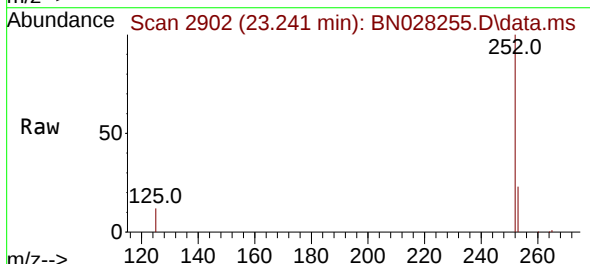
Tgt Ion:276 Resp: 182744
Ion Ratio Lower Upper
276 100
138 23.6 20.9 31.3
277 24.8 19.8 29.6

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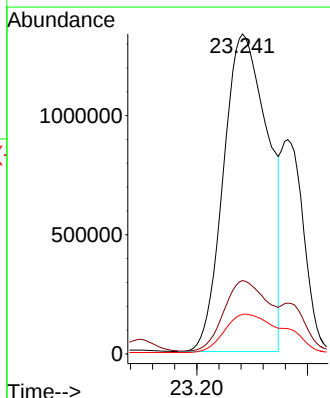
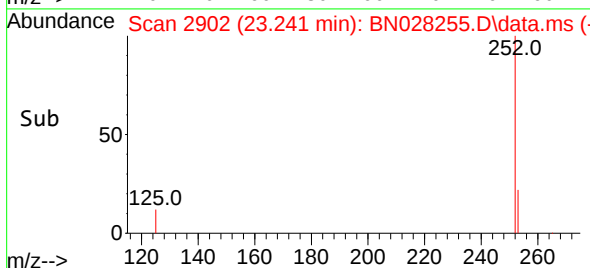
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

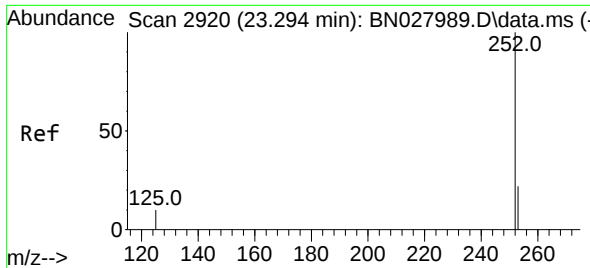


#37
Benzo(b)fluoranthene
Concen: 40.787 ng
RT: 23.241 min Scan# 2902
Delta R.T. 0.029 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15



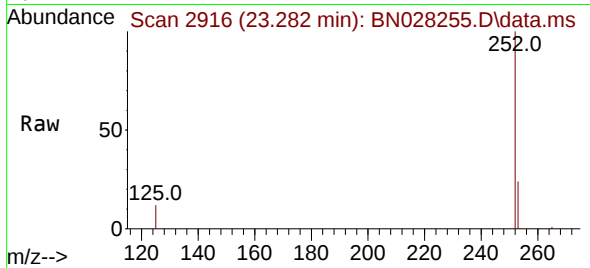
Tgt Ion:252 Resp: 3713389
Ion Ratio Lower Upper
252 100
253 23.0 22.9 34.3
125 12.4 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 14.165 ng m
RT: 23.282 min Scan# 2916
Delta R.T. 0.020 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

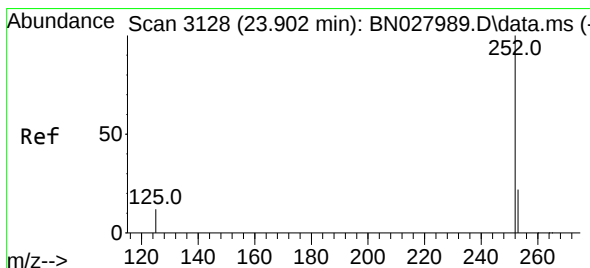
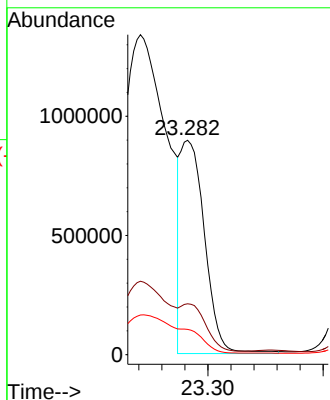
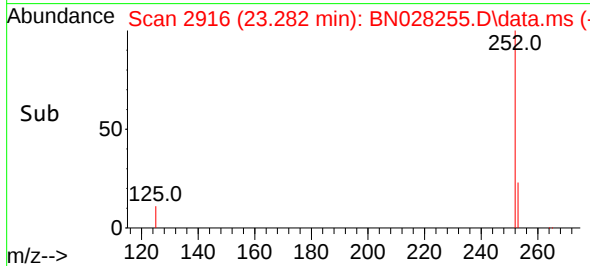
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:252 Resp: 1308079
Ion Ratio Lower Upper
252 100
253 23.7 23.1 34.7
125 11.8 13.8 20.8

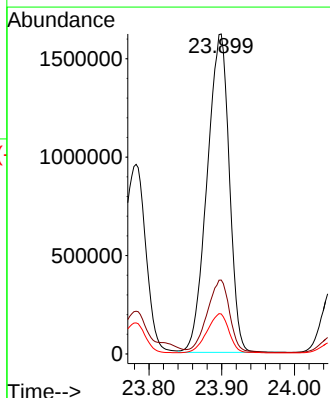
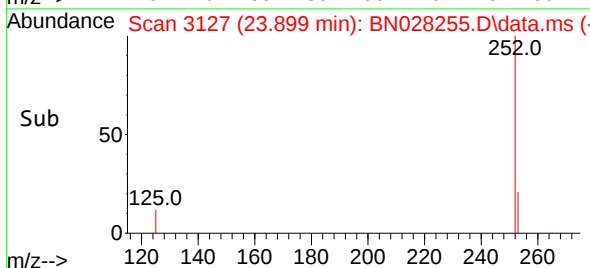
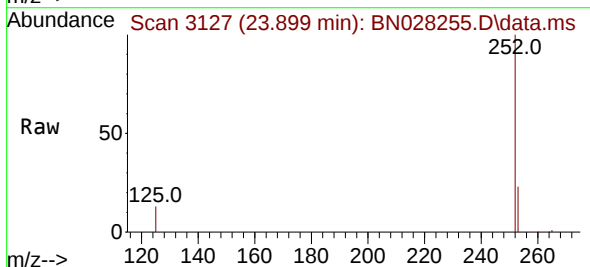
Manual Integrations
APPROVED

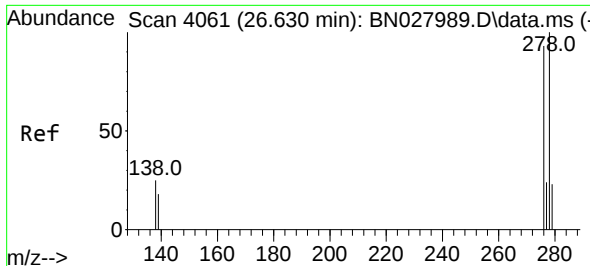
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#39
Benzo(a)pyrene
Concen: 39.730 ng m
RT: 23.899 min Scan# 3127
Delta R.T. 0.035 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

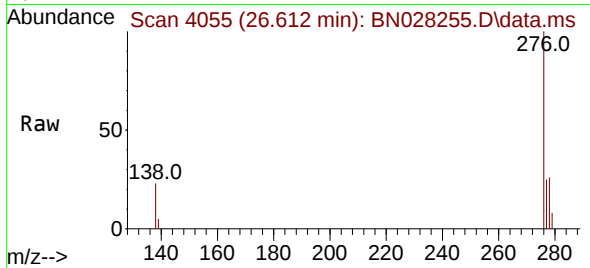
Tgt Ion:252 Resp: 3420319
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.4#
125 12.5 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 7.181 ng
RT: 26.612 min Scan# 4061
Delta R.T. 0.035 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

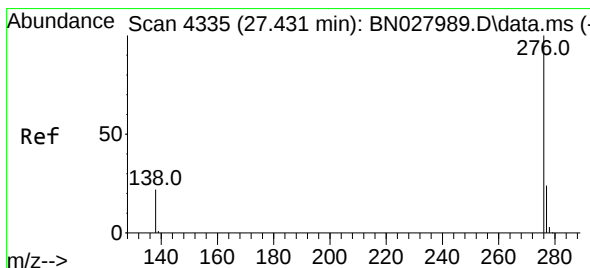
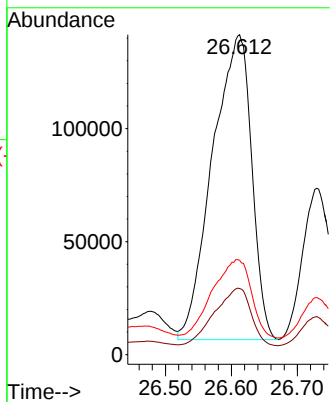
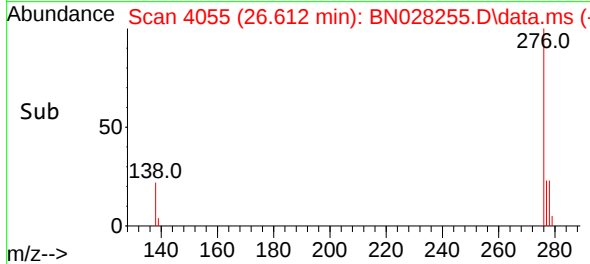
Instrument :
BNA_N
ClientSampleId :
M-1(0-5)



Tgt Ion:278 Resp: 557044
Ion Ratio Lower Upper
278 100
139 20.7 17.7 26.5
279 29.5 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: 23.245 ng
RT: 27.431 min Scan# 4335
Delta R.T. 0.064 min
Lab File: BN028255.D
Acq: 12 Oct 2023 05:15

Tgt Ion:276 Resp: 1850733
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 23.6 20.8 31.2

