

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027262.D
 Acq On : 30 Aug 2023 05:06
 Operator : MA/JU
 Sample : 04128-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT180D1-20230821

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 30 18:12:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4595	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	11779	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	7618	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	17407	0.400	ng	0.00
29) Chrysene-d12	21.623	240	15092	0.400	ng	0.00
35) Perylene-d12	24.151	264	13410	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2216	0.185	ng	0.00
5) Phenol-d6	7.207	99	1468	0.101	ng	0.00
8) Nitrobenzene-d5	9.251	82	4368	0.509	ng	-0.01
11) 2-Methylnaphthalene-d10	12.464	152	8259	0.477	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1262	0.448	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	12668	0.437	ng	0.00
27) Fluoranthene-d10	19.463	212	23313	0.539	ng	0.00
31) Terphenyl-d14	20.048	244	17271	0.570	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.458	88	19938	3.554	ng	94
18) Fluorene	15.742	166	806	0.026	ng	99
25) Phenanthrene	17.492	178	2504	0.049	ng	95
26) Anthracene	17.579	178	1775	0.041	ng	98
28) Fluoranthene	19.495	202	4003	0.066	ng	# 95
30) Pyrene	19.857	202	3909	0.065	ng	100
32) Benzo(a)anthracene	21.605	228	2819	0.054	ng	95
33) Chrysene	21.659	228	3139	0.055	ng	95
34) Bis(2-ethylhexyl)phtha...	21.480	149	1025	0.041	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.843	276	2300m	0.042	ng	
37) Benzo(b)fluoranthene	23.364	252	3027	0.058	ng	# 54
38) Benzo(k)fluoranthene	23.417	252	2587	0.048	ng	# 46
39) Benzo(a)pyrene	24.039	252	1942	0.040	ng	# 20
40) Dibenzo(a,h)anthracene	26.864	278	1585	0.037	ng	# 42
41) Benzo(g,h,i)perylene	27.665	276	1807	0.037	ng	# 72

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

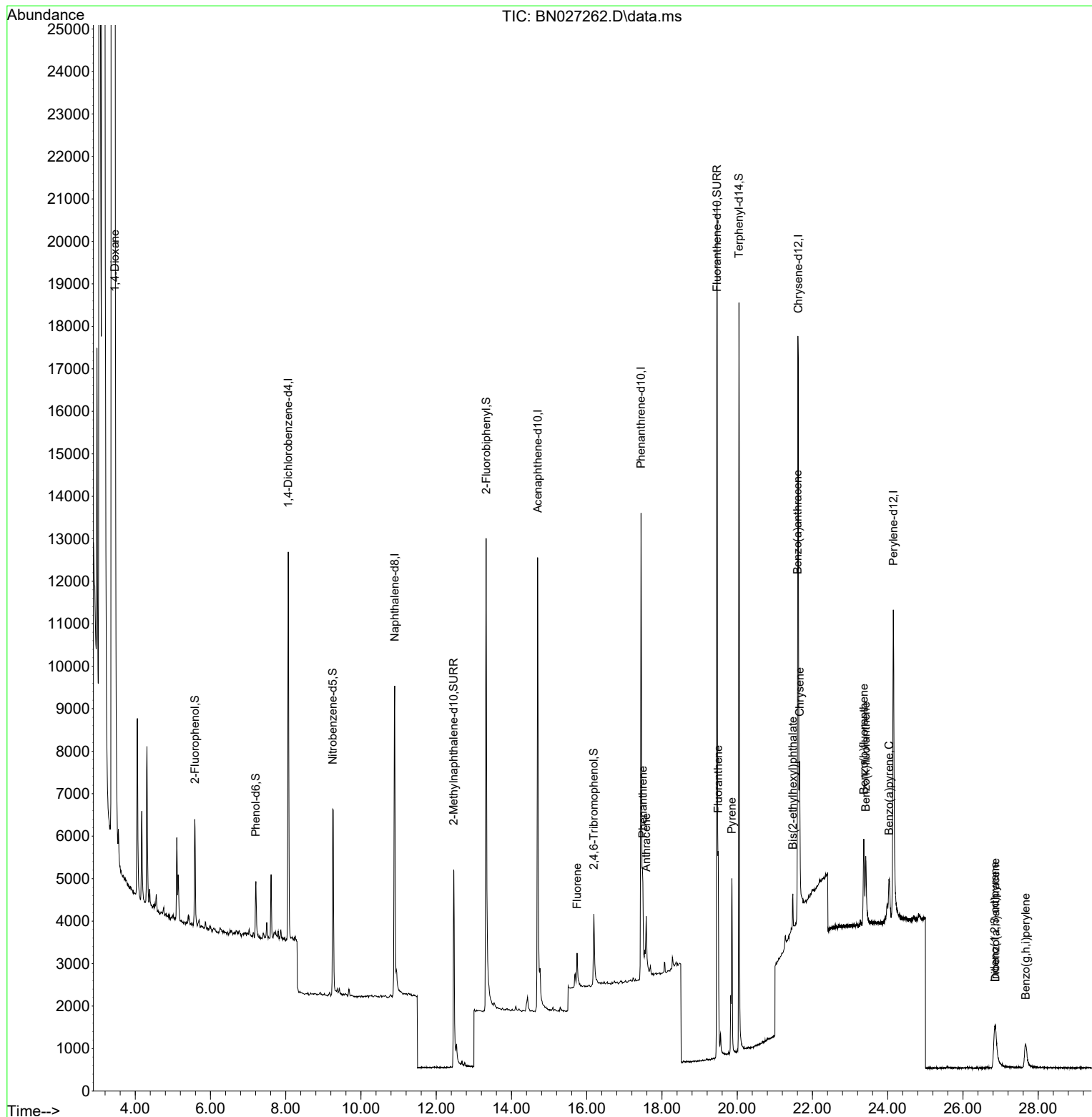
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
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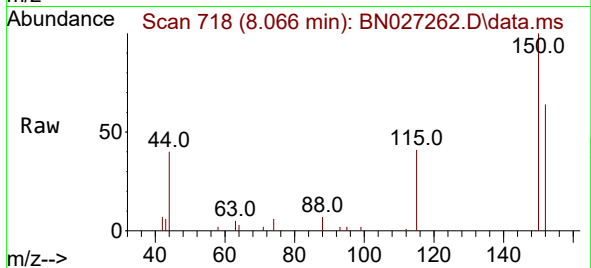
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

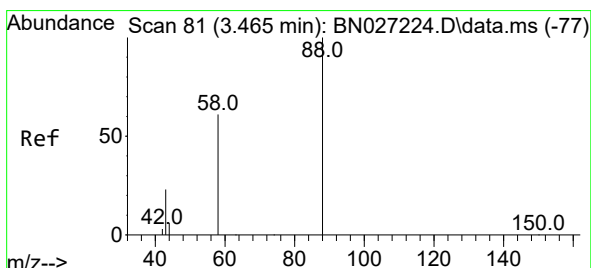
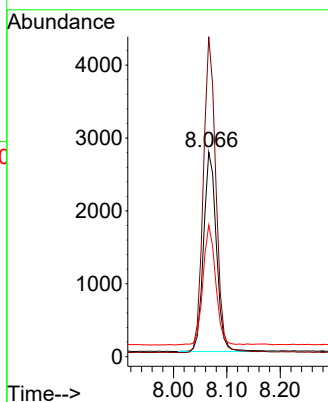
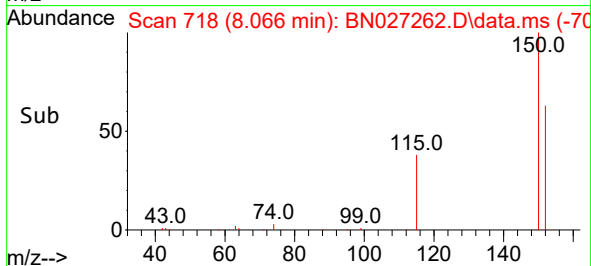
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TT180D1-20230821



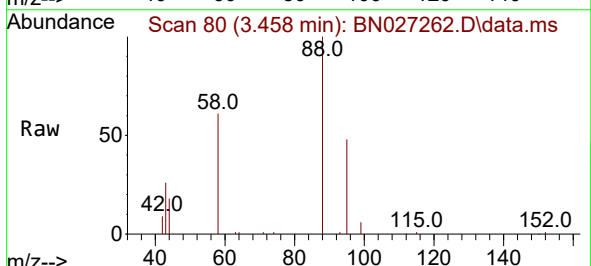
Tgt Ion:152 Resp: 459
Ion Ratio Lower Upper
152 100
150 156.4 122.7 184.1
115 64.3 48.6 73.0

Manual Integrations
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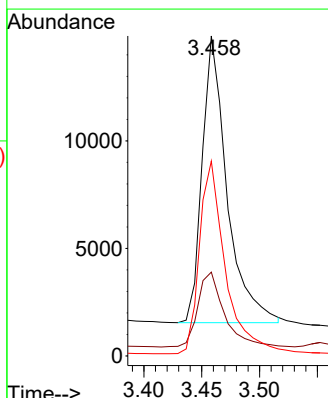
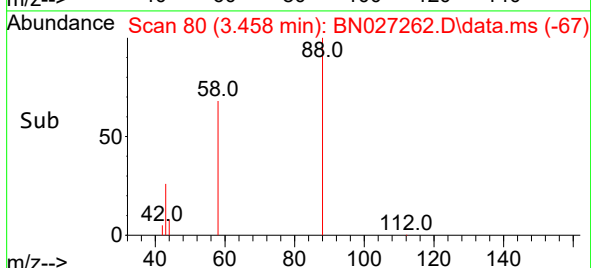
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#2
1,4-Dioxane
Concen: 3.554 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



Tgt Ion: 88 Resp: 19938
Ion Ratio Lower Upper
88 100
43 27.8 19.1 28.7
58 69.7 52.2 78.2





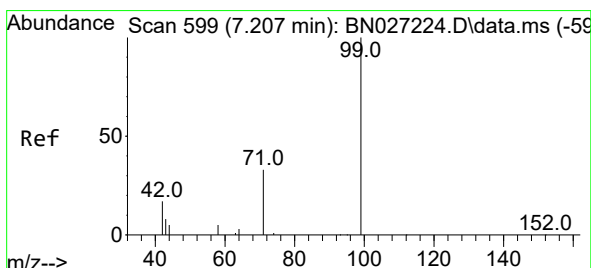
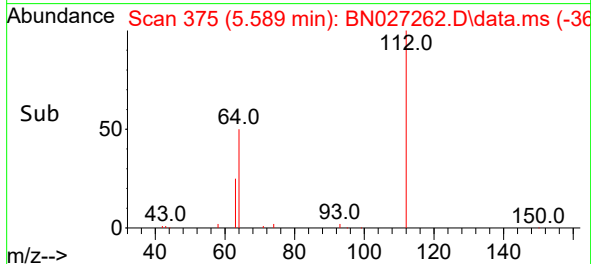
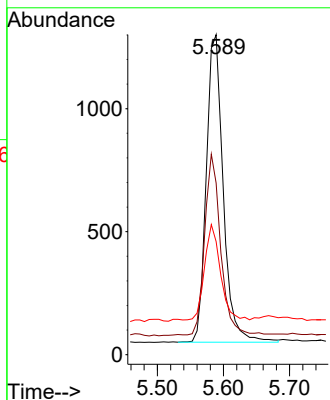
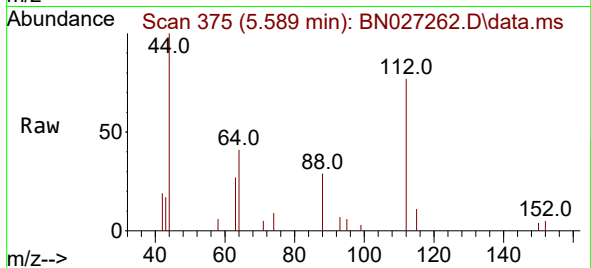
#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.589 min Scan# 375
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821

Tgt Ion:112 Resp: 2210
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 28.9 23.1 34.7

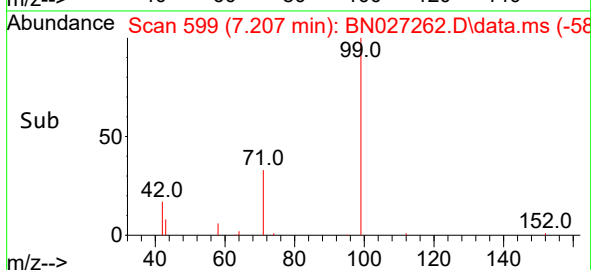
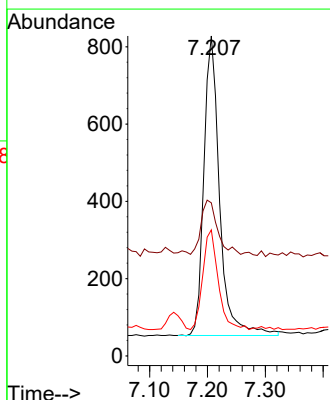
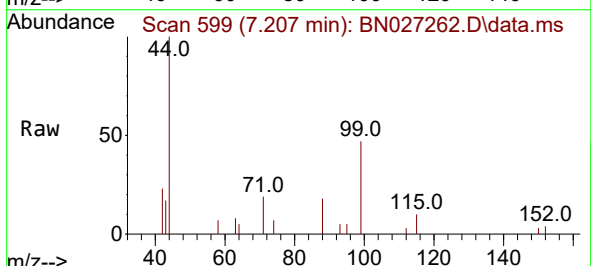
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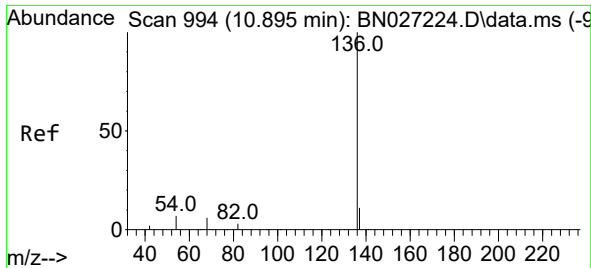
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#5
Phenol-d6
Concen: 0.101 ng
RT: 7.207 min Scan# 599
Delta R.T. -0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

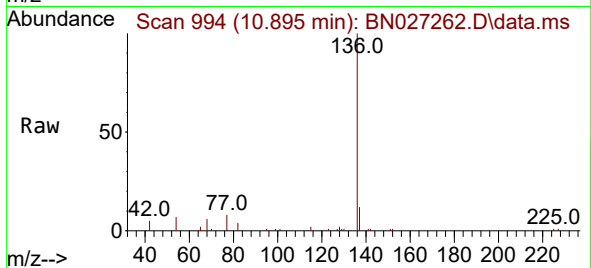
Tgt Ion: 99 Resp: 1468
Ion Ratio Lower Upper
99 100
42 20.5 14.5 21.7
71 32.6 25.8 38.6





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

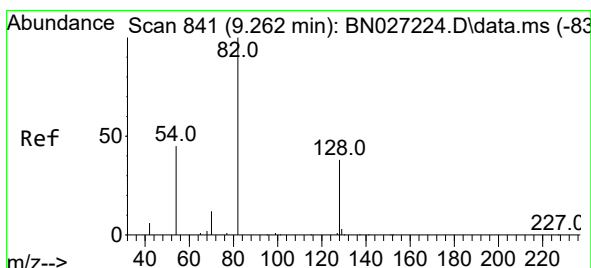
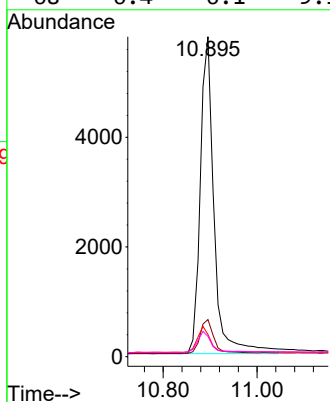
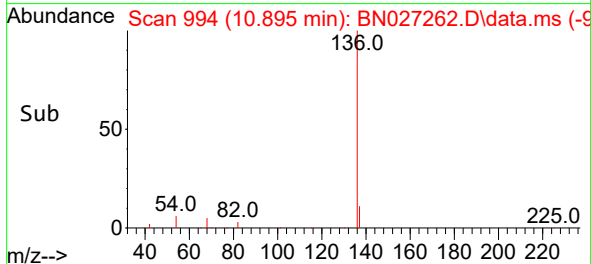
Instrument :
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Tgt Ion:	136	Resp:	11779
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.3	13.9
54	7.0	6.7	10.1
68	6.4	6.1	9.1

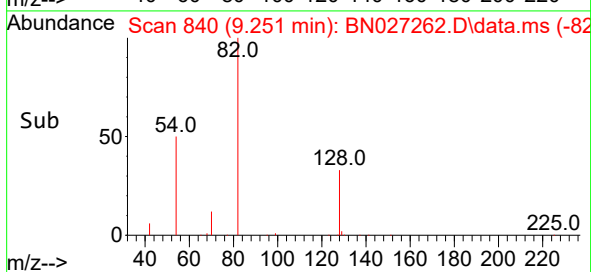
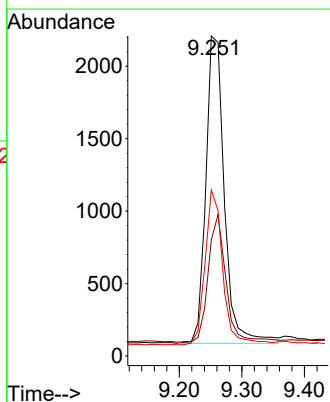
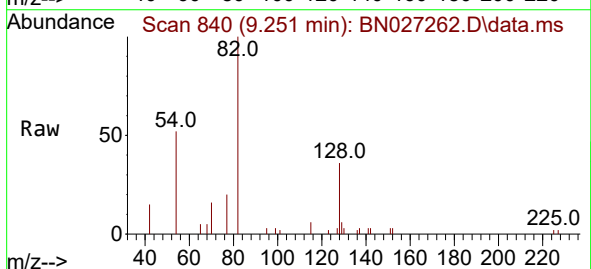
Manual Integrations
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Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#8
Nitrobenzene-d5
Concen: 0.509 ng
RT: 9.251 min Scan# 840
Delta R.T. -0.011 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

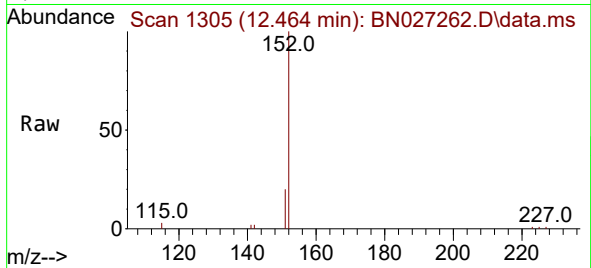
Tgt Ion:	82	Resp:	4368
Ion Ratio	Lower	Upper	
82	100		
128	36.3	33.4	50.0
54	51.8	37.7	56.5





#11
2-Methylnaphthalene-d10
Concen: 0.477 ng
RT: 12.464 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

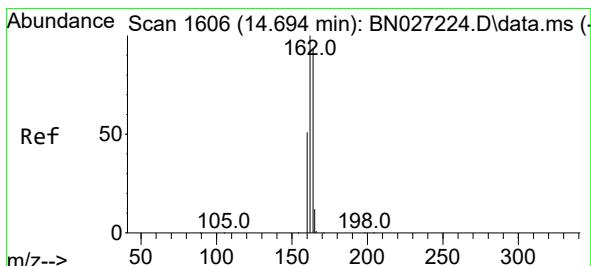
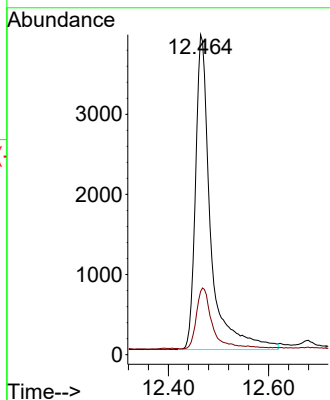
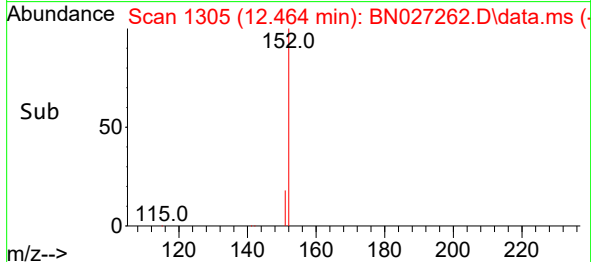
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



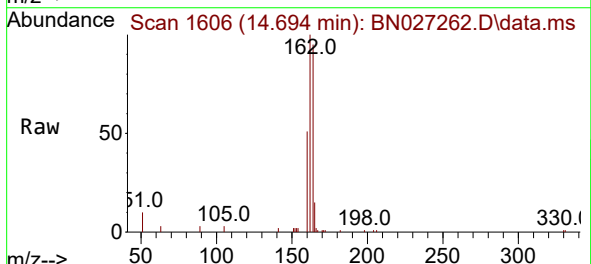
Tgt Ion:152 Resp: 8259
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

Manual Integrations
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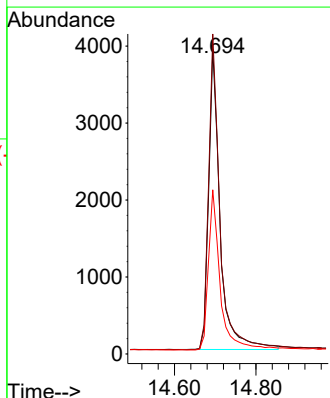
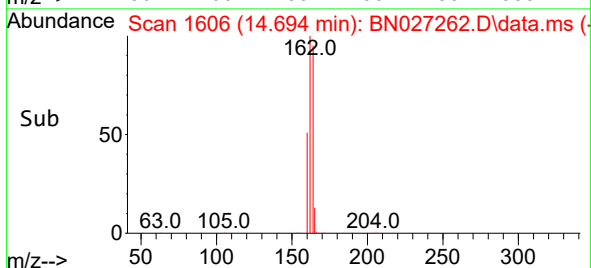
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



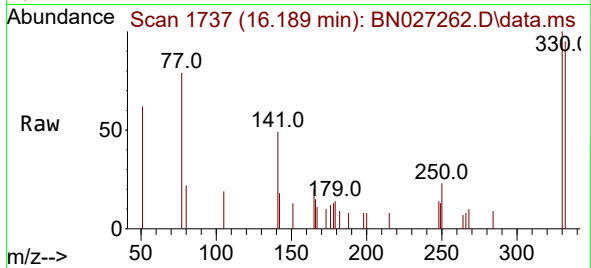
Tgt Ion:164 Resp: 7618
Ion Ratio Lower Upper
164 100
162 105.0 85.8 128.8
160 53.9 44.2 66.2





#14
2,4,6-Tribromophenol
Concen: 0.448 ng
RT: 16.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

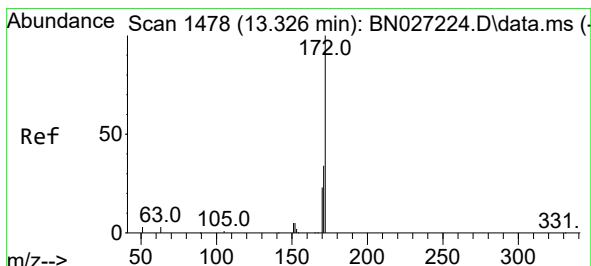
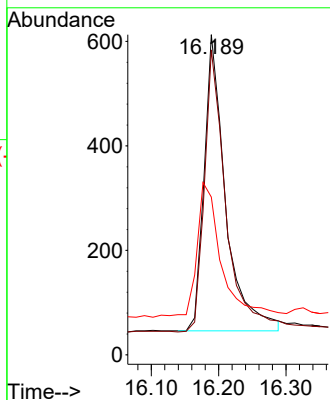
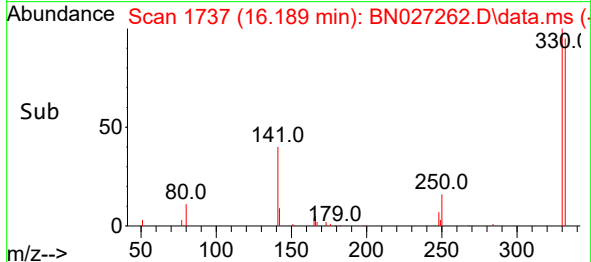
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



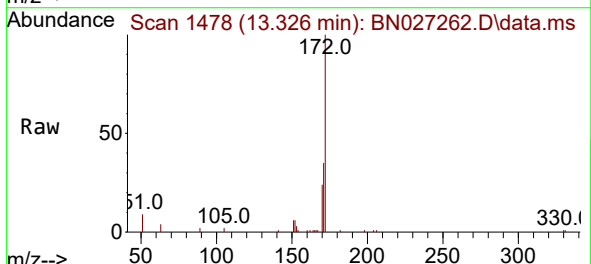
Tgt Ion:330 Resp: 126
Ion Ratio Lower Upper
330 100
332 95.8 75.2 112.8
141 48.7 36.2 54.4

Manual Integrations
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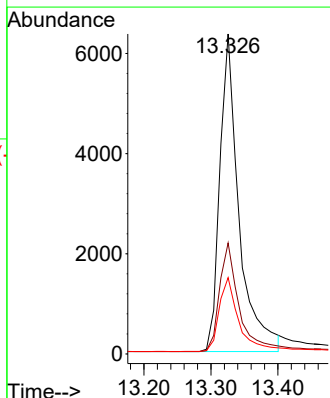
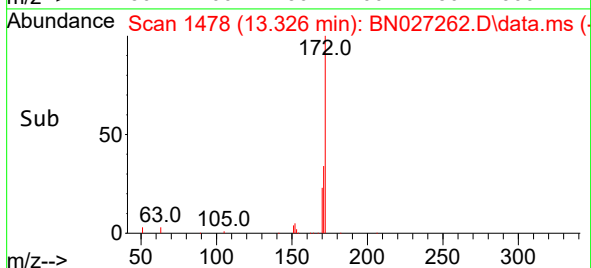
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

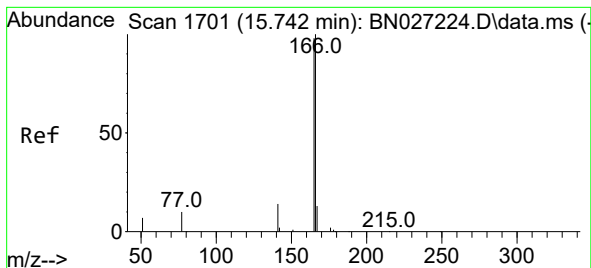


#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



Tgt Ion:172 Resp: 12668
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.8 19.3 28.9





#18

Fluorene

Concen: 0.026 ng

RT: 15.742 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821

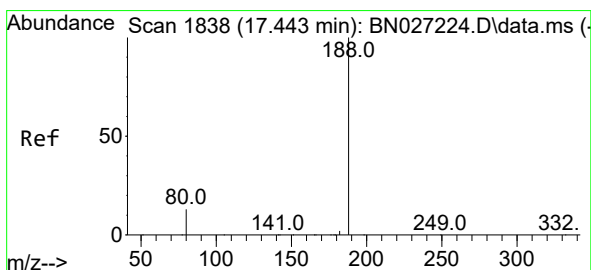
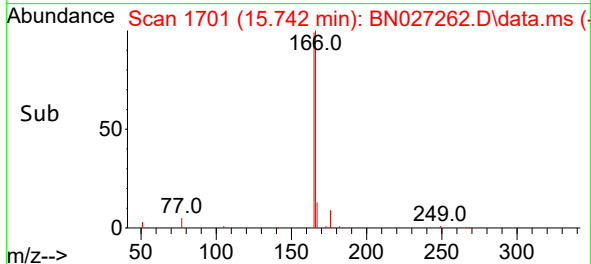
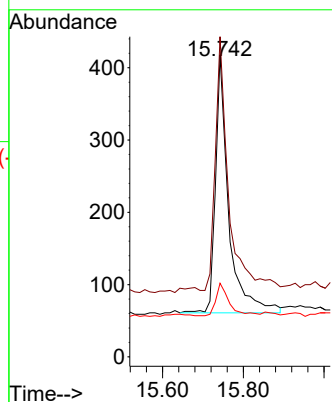
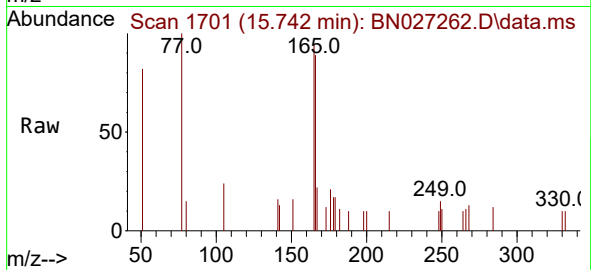
Tgt Ion:	166	Resp:	800
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.0	118.4
167	12.7	10.8	16.2

Manual Integrations

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Supervised By :mohammad ahmed 08/30/2023



#19

Phenanthrene-d10

Concen: 0.400 ng

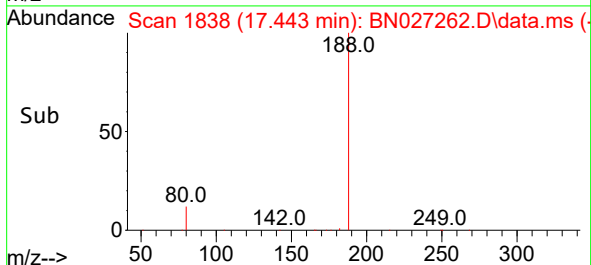
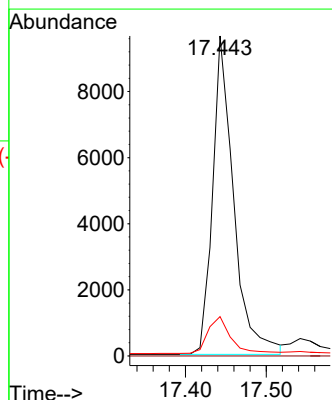
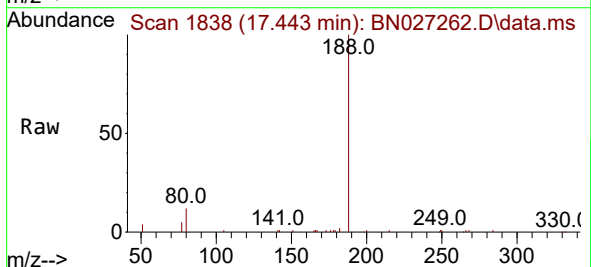
RT: 17.443 min Scan# 1838

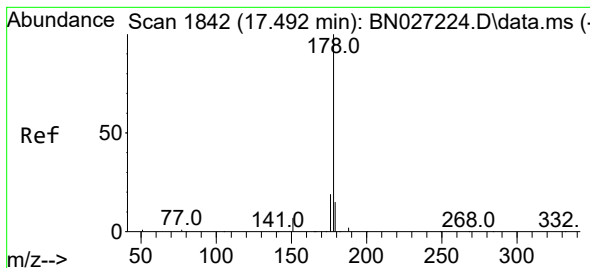
Delta R.T. 0.000 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

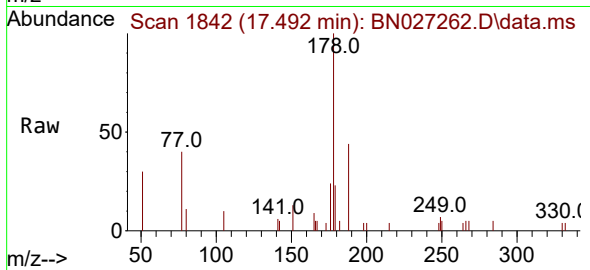
Tgt Ion:	188	Resp:	17407
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.3	11.0	16.6





#25
Phenanthrene
Concen: 0.049 ng
RT: 17.492 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

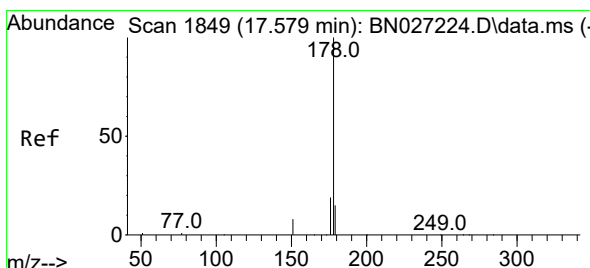
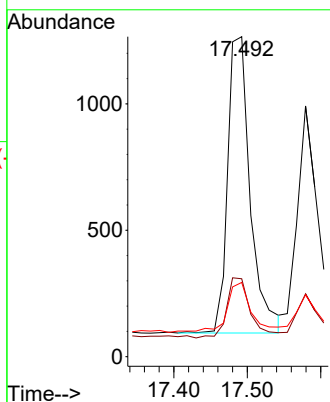
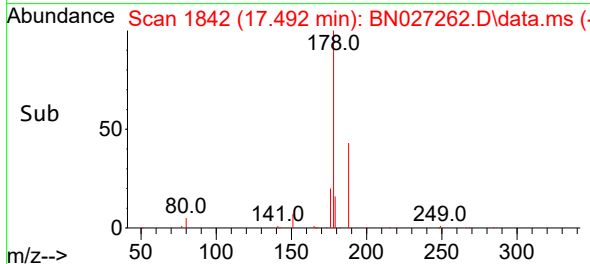
Instrument :
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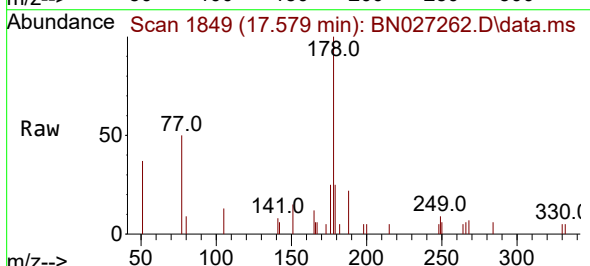
Tgt Ion:178 Resp: 2504
Ion Ratio Lower Upper
178 100
176 21.4 15.6 23.4
179 18.3 12.3 18.5

Manual Integrations
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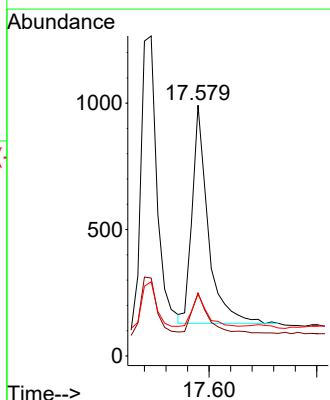
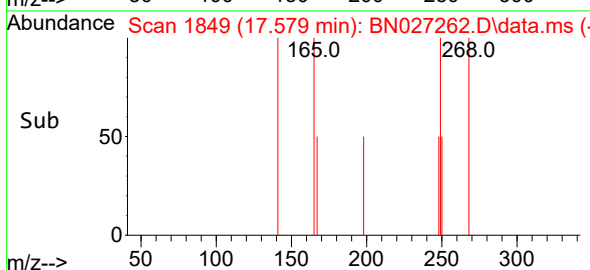
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

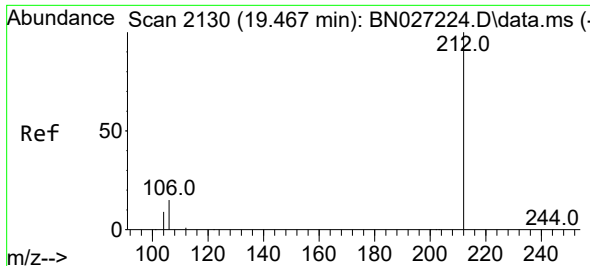


#26
Anthracene
Concen: 0.041 ng
RT: 17.579 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



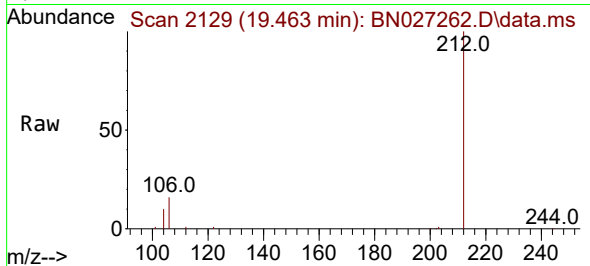
Tgt Ion:178 Resp: 1775
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 13.9 12.0 18.0





#27
Fluoranthene-d10
Concen: 0.539 ng
RT: 19.463 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

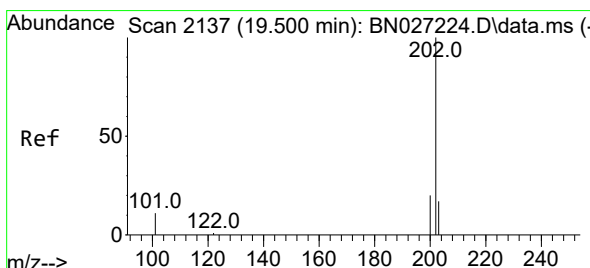
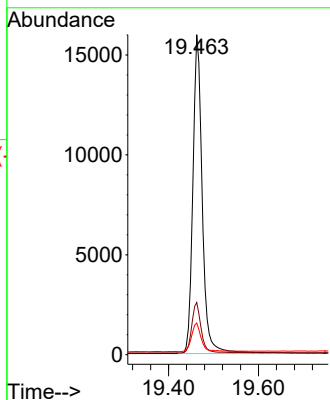
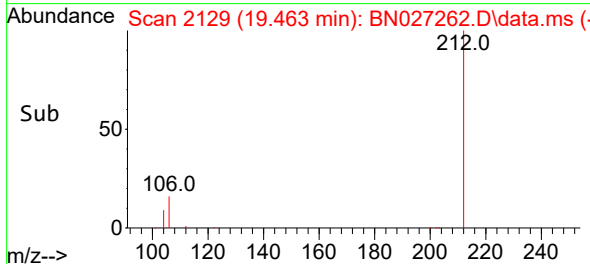
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



Tgt Ion: 212 Resp: 2331
Ion Ratio Lower Upper
212 100
106 15.7 12.1 18.1
104 9.2 6.9 10.3

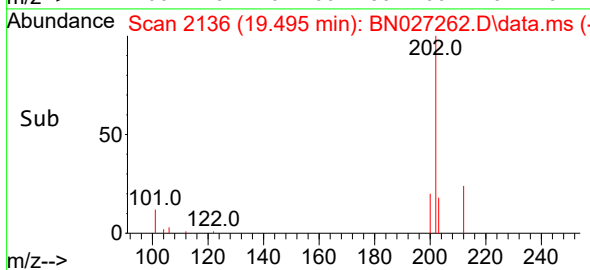
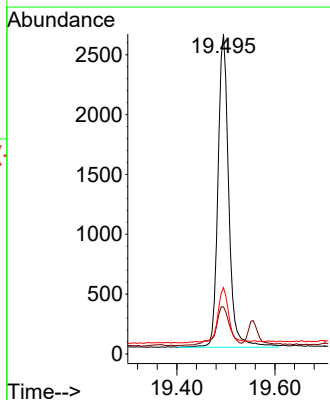
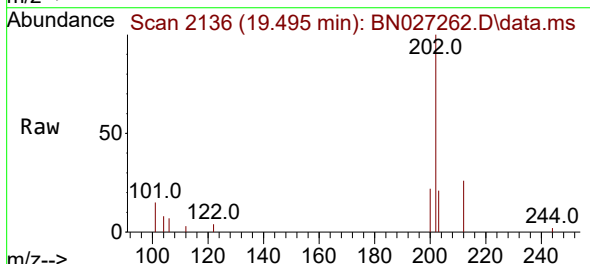
Manual Integrations
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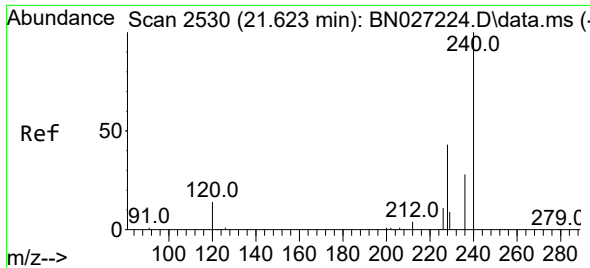
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#28
Fluoranthene
Concen: 0.066 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

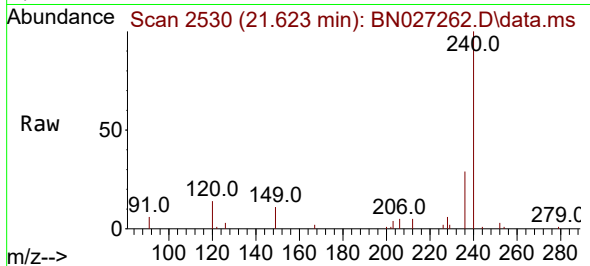
Tgt Ion: 202 Resp: 4003
Ion Ratio Lower Upper
202 100
101 16.4 9.6 14.4#
203 17.3 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.623 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

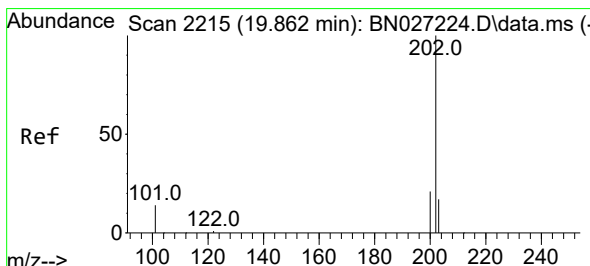
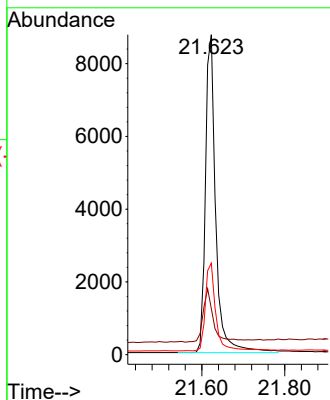
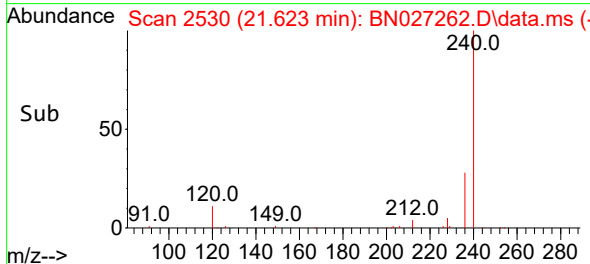
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



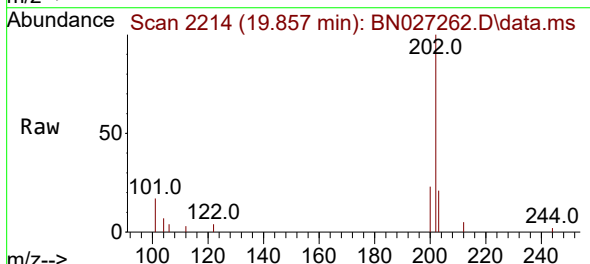
Tgt Ion:240 Resp: 1509
Ion Ratio Lower Upper
240 100
120 14.4 14.2 21.4
236 28.6 22.9 34.3

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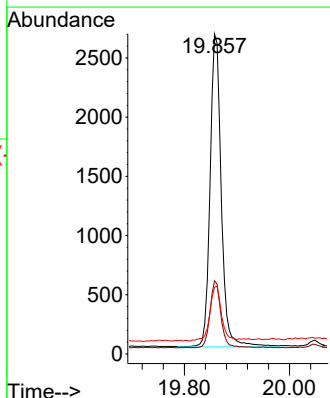
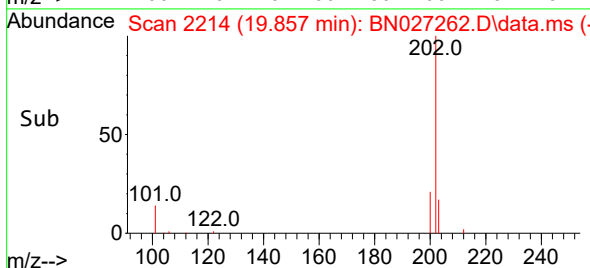
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

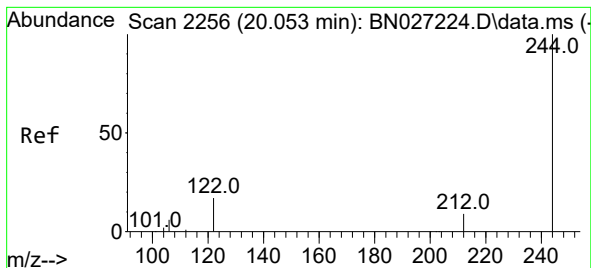


#30
Pyrene
Concen: 0.065 ng
RT: 19.857 min Scan# 2214
Delta R.T. -0.005 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



Tgt Ion:202 Resp: 3909
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 18.1 14.2 21.4





#31

Terphenyl-d14

Concen: 0.570 ng

RT: 20.048 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821

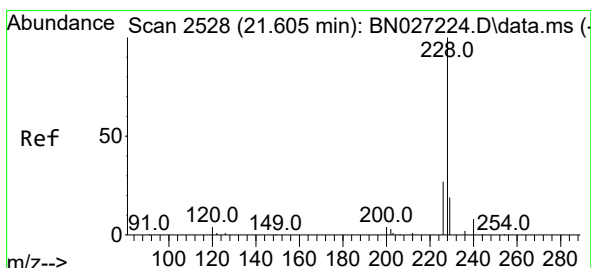
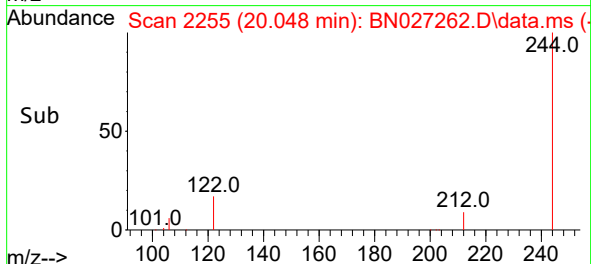
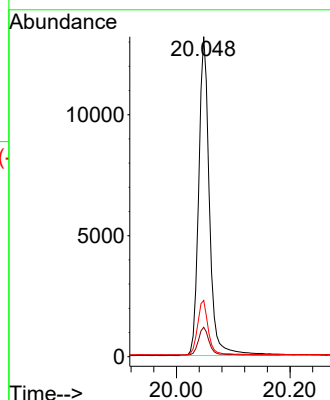
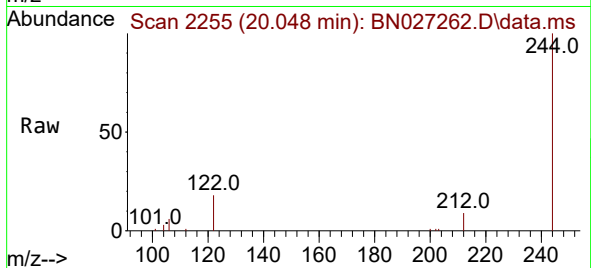
Tgt Ion:244 Resp: 1727

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.5	11.3
122	17.6	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#32

Benzo(a)anthracene

Concen: 0.054 ng

RT: 21.605 min Scan# 2528

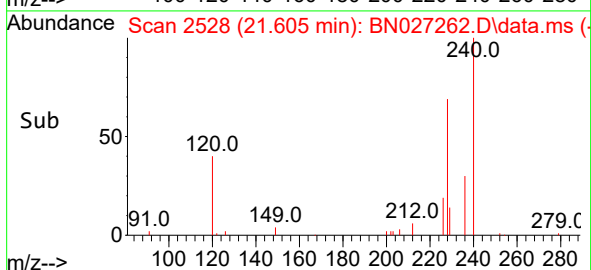
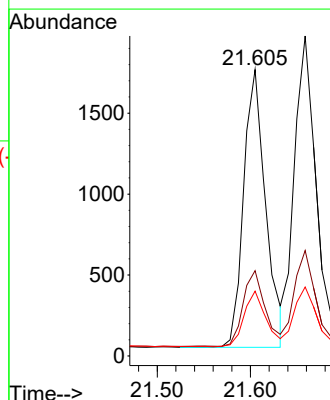
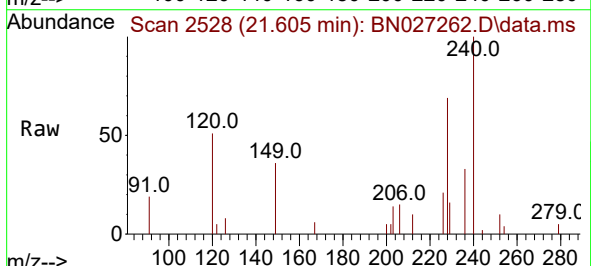
Delta R.T. 0.000 min

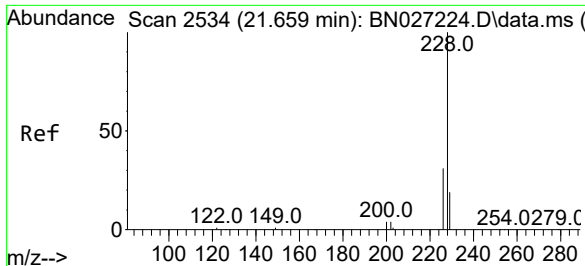
Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

Tgt Ion:228 Resp: 2819

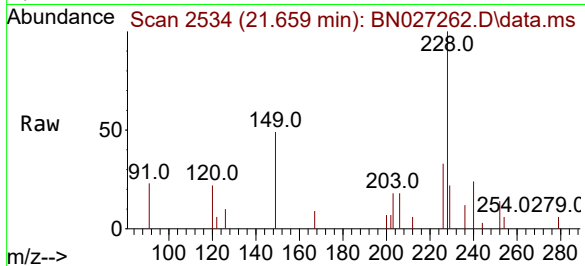
Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.9	32.9
229	22.7	15.7	23.5





#33
Chrysene
Concen: 0.055 ng
RT: 21.659 min Scan# 21659
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

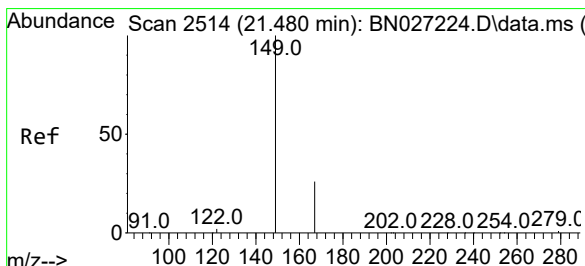
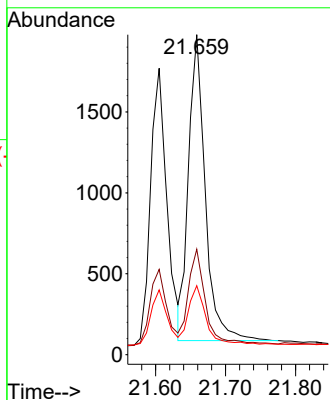
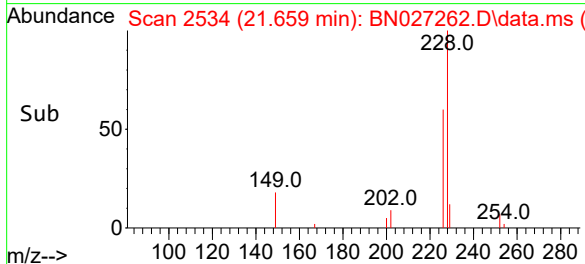
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



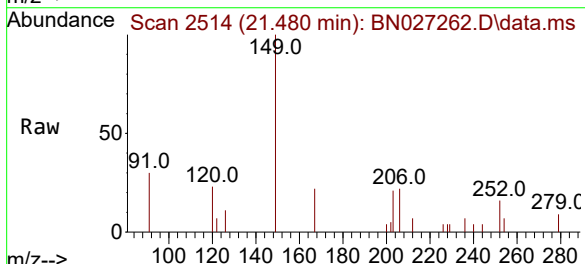
Tgt Ion: 228 Resp: 3139
Ion Ratio Lower Upper
228 100
226 33.0 24.3 36.5
229 21.5 15.4 23.2

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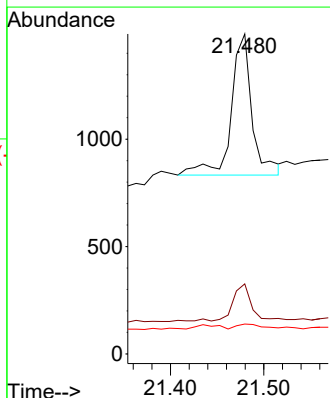
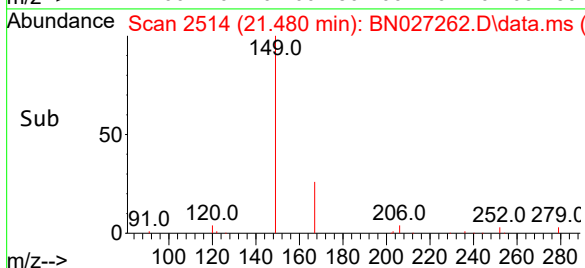
Reviewed By : Yogesh Patel 08/30/2023
Supervised By : mohammad ahmed 08/30/2023

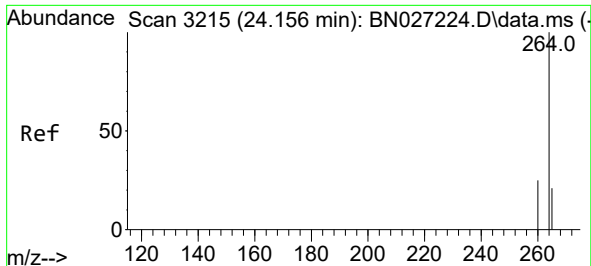


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.041 ng
RT: 21.480 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06



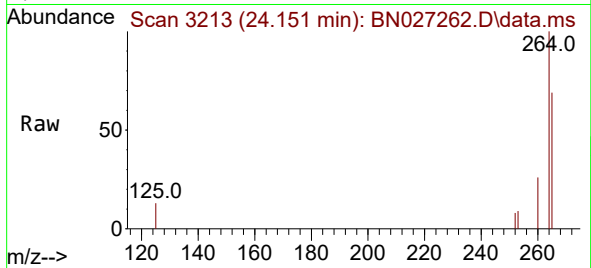
Tgt Ion: 149 Resp: 1025
Ion Ratio Lower Upper
149 100
167 26.0 22.1 33.1
279 5.2 2.7 4.1#





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.151 min Scan# 3215
Delta R.T. -0.006 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

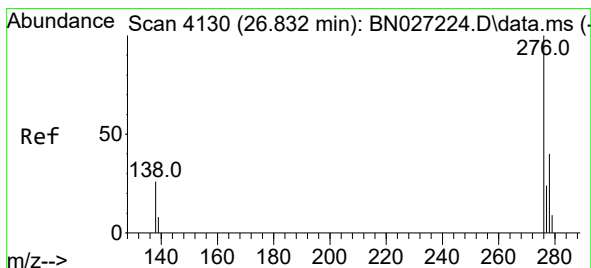
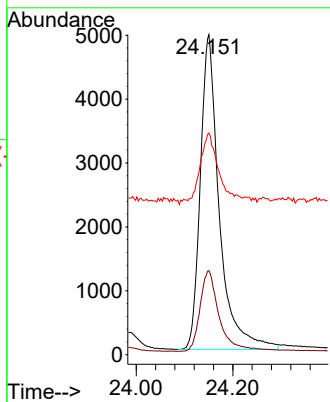
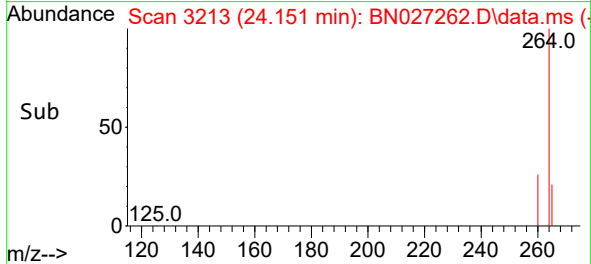
Instrument :
BNA_N
ClientSampleId :
TT180D1-20230821



Tgt Ion:264 Resp: 13410
Ion Ratio Lower Upper
264 100
260 26.3 20.7 31.1
265 69.3 53.3 79.9

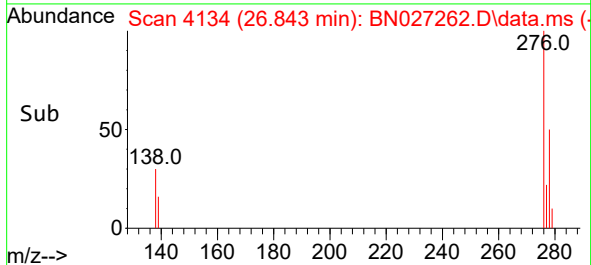
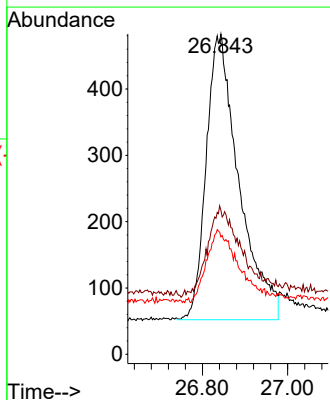
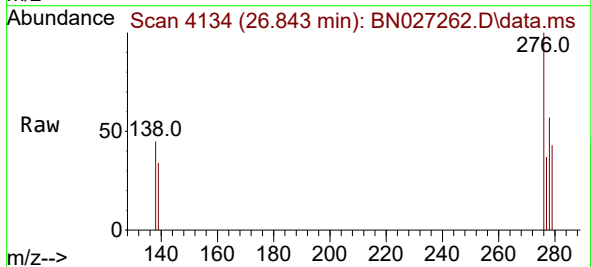
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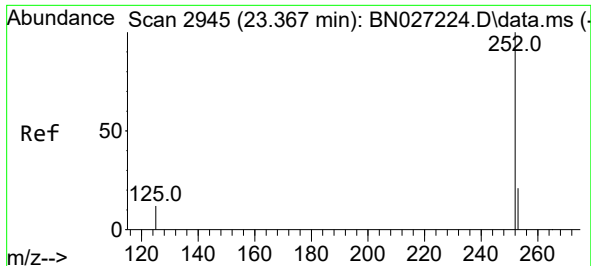
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.042 ng m
RT: 26.843 min Scan# 4134
Delta R.T. 0.012 min
Lab File: BN027262.D
Acq: 30 Aug 2023 05:06

Tgt Ion:276 Resp: 2300
Ion Ratio Lower Upper
276 100
138 12.7 23.4 35.2#
277 24.2 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.058 ng

RT: 23.364 min Scan# 2945

Delta R.T. -0.003 min

Lab File: BN027262.D

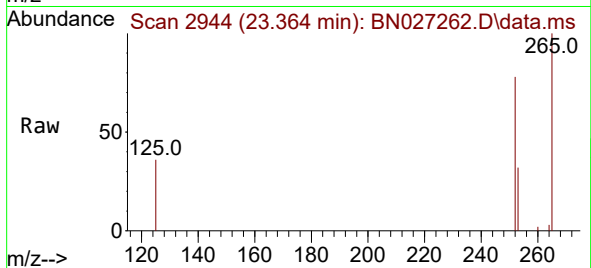
Acq: 30 Aug 2023 05:06

Instrument :

BNA_N

ClientSampleId :

TT180D1-20230821



Tgt Ion:252 Resp: 302

Ion Ratio Lower Upper

252 100

253 40.3 19.9 29.9

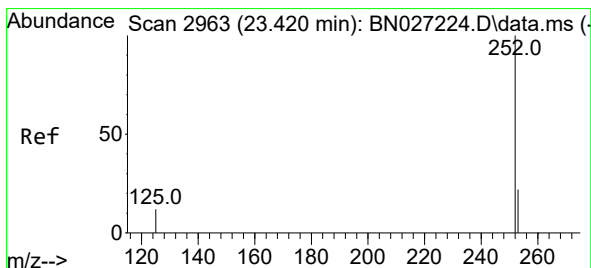
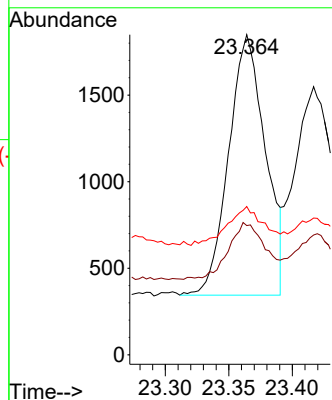
125 46.3 13.8 20.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#38

Benzo(k)fluoranthene

Concen: 0.048 ng

RT: 23.417 min Scan# 2962

Delta R.T. -0.003 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

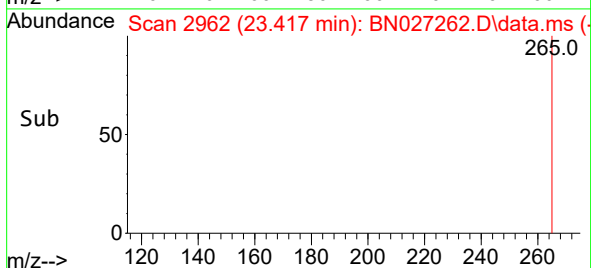
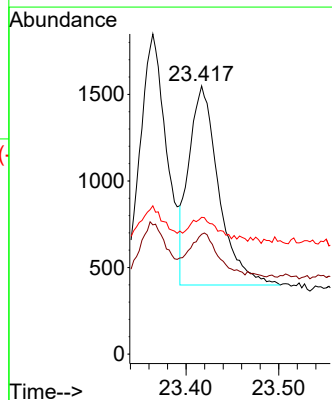
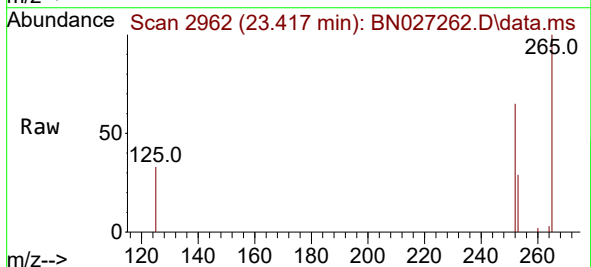
Tgt Ion:252 Resp: 2587

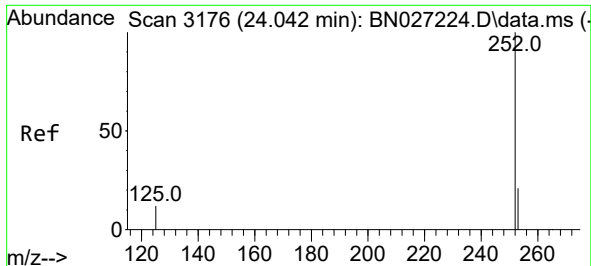
Ion Ratio Lower Upper

252 100

253 44.7 20.2 30.2

125 51.0 14.1 21.1





#39

Benzo(a)pyrene

Concen: 0.040 ng

RT: 24.039 min Scan# 3175

Delta R.T. -0.003 min

Lab File: BN027262.D

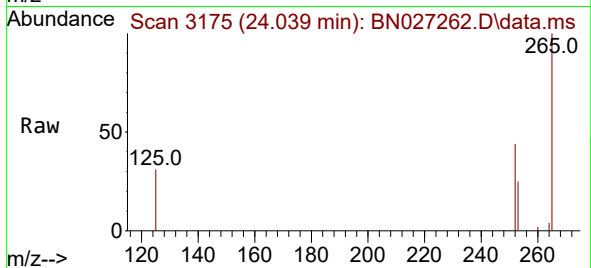
Acq: 30 Aug 2023 05:06

Instrument :

BN027262.D

ClientSampleId :

TT180D1-20230821



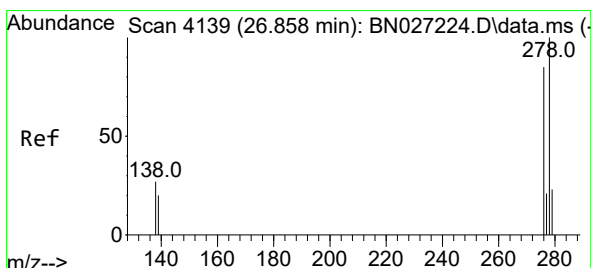
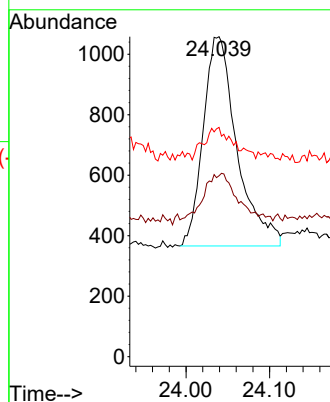
Tgt Ion:	252	Resp:	194
Ion Ratio	Lower	Upper	
252	100		
253	56.5	21.4	32.0
125	71.6	16.5	24.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.037 ng

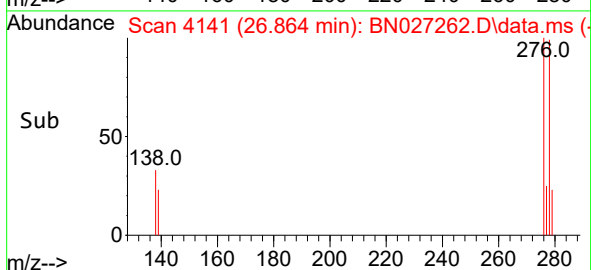
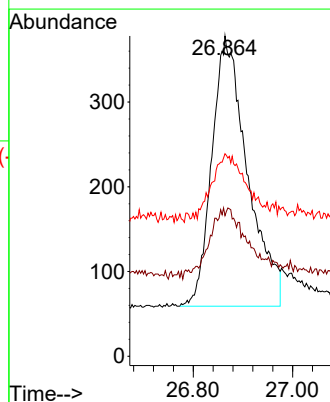
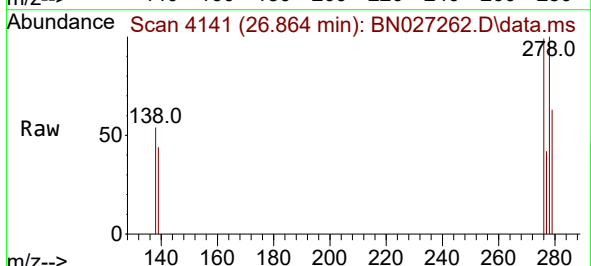
RT: 26.864 min Scan# 4141

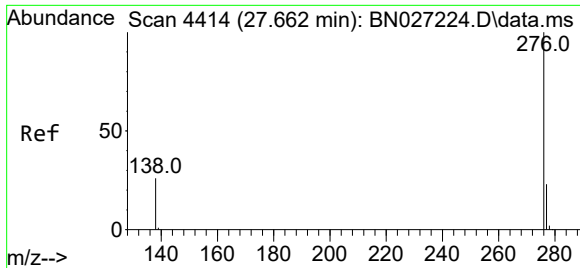
Delta R.T. 0.006 min

Lab File: BN027262.D

Acq: 30 Aug 2023 05:06

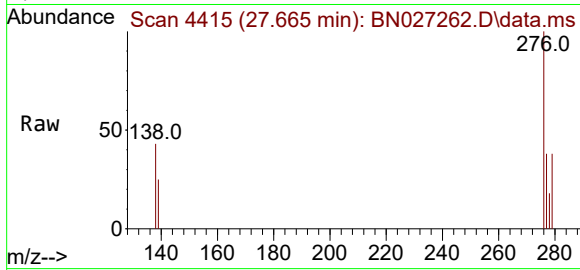
Tgt Ion:	278	Resp:	1585
Ion Ratio	Lower	Upper	
278	100		
139	43.9	17.9	26.9
279	63.2	21.8	32.6





#41
 Benzo(g,h,i)perylene
 Concen: 0.037 ng
 RT: 27.665 min Scan# 4415
 Delta R.T. 0.003 min
 Lab File: BN027262.D
 Acq: 30 Aug 2023 05:06

Instrument :
 BNA_N
 ClientSampleId :
 TT180D1-20230821



Tgt Ion: 276 Resp: 180

Ion	Ratio	Lower	Upper
276	100		
277	37.6	19.6	29.4
138	42.8	22.1	33.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

