

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112423\
 Data File : BN028855.D
 Acq On : 24 Nov 2023 12:59
 Operator : MA/JU
 Sample : 05268-24MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCKB7MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 25 01:01:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 23:49:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.820	152	4670m	0.400	ng/ul	0.08
4) Naphthalene-d8	10.479	136	15946m	0.400	ng/ul	0.02
9) Acenaphthene-d10	14.303	164	9234	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.065	188	12125	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.276	240	9968	0.400	ng/ul	# 0.00
23) Perylene-d12	23.544	264	10670	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.112	96	1879m	0.364	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.096	152	5714m	0.238	ng/ul	0.02
18) Fluoranthene-d10	19.095	212	14580	0.455	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.141	88	5742m	1.006	ng/ul	
5) Naphthalene	10.523	128	11359	0.254	ng/ul#	94
7) 2-Methylnaphthalene	12.167	142	6275m	0.213	ng/ul	
8) 1-Methylnaphthalene	12.343	142	6882	0.230	ng/ul	99
10) Acenaphthylene	14.025	152	13807	0.300	ng/ul	97
11) Acenaphthene	14.363	153	11143	0.329	ng/ul	98
12) Fluorene	15.376	166	9886	0.251	ng/ul	97
14) Pentachlorophenol	16.723	266	2366	0.813	ng/ul	100
15) Phenanthrene	17.107	178	14234	0.382	ng/ul	95
16) Anthracene	17.213	178	9661	0.283	ng/ul	95
19) Fluoranthene	19.123	202	16700	0.394	ng/ul	96
20) Pyrene	19.490	202	18518	0.421	ng/ul	96
21) Benzo(a)anthracene	21.261	228	10075	0.256	ng/ul	98
22) Chrysene	21.311	228	13615	0.353	ng/ul	99
24) Benzo(b)fluoranthene	22.857	252	12976	0.324	ng/ul	82
25) Benzo(k)fluoranthene	22.906	252	15319	0.365	ng/ul#	84
26) Benzo(a)pyrene	23.450	252	13256	0.351	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	25.874	276	17788	0.424	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.908	278	13767	0.411	ng/ul#	91
29) Benzo(g,h,i)perylene	26.582	276	15874	0.462	ng/ul	95

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

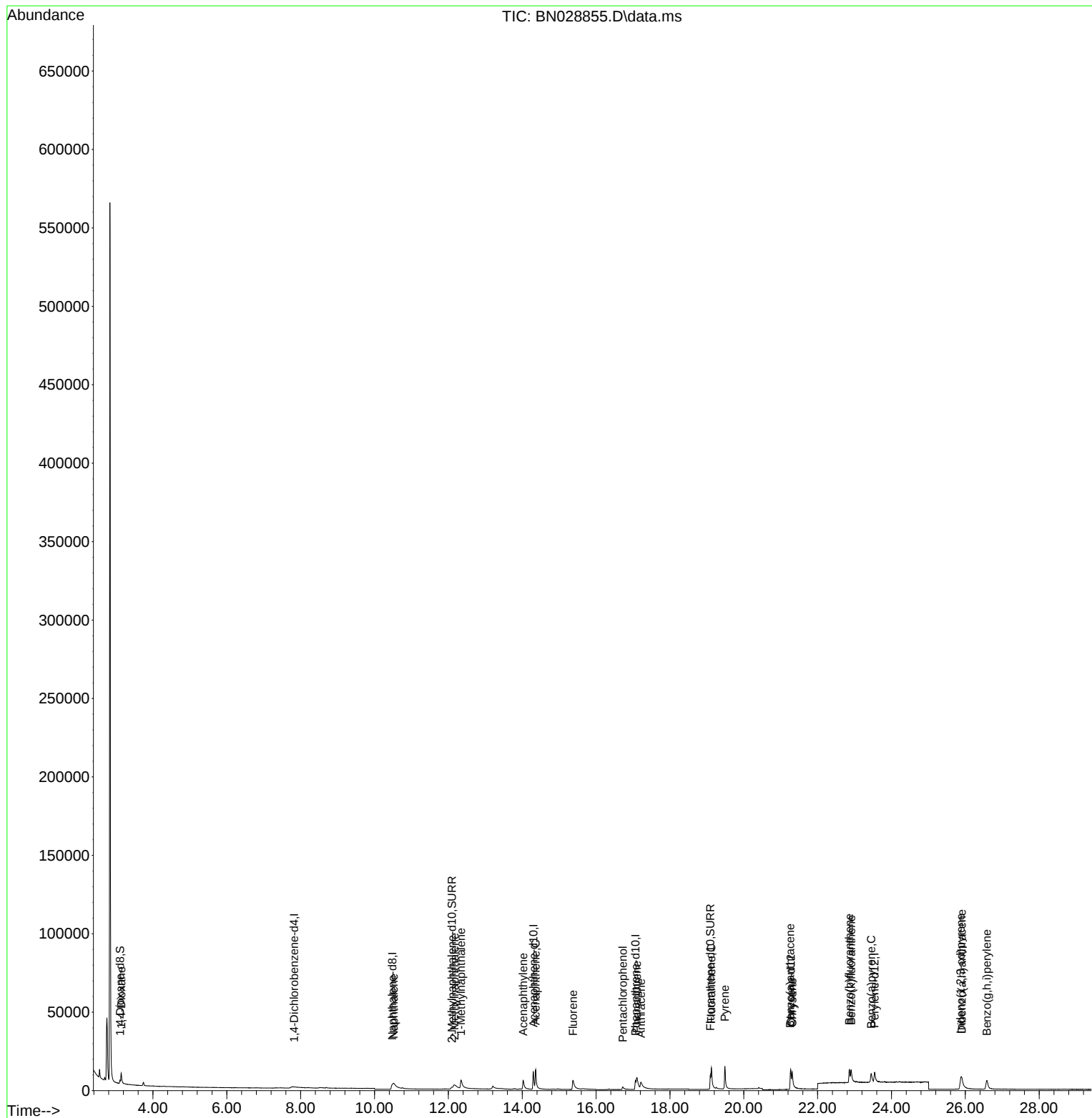
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112423\
Data File : BN028855.D
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ALS Vial : 6 Sample Multiplier: 1

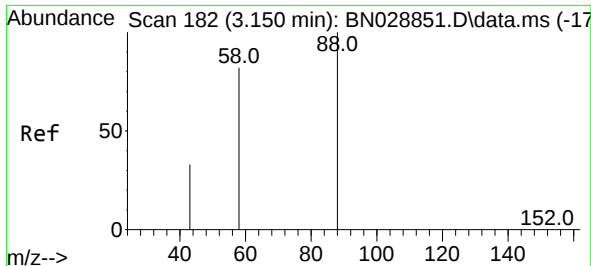
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD

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Supervised By :mohammad ahmed 11/28/2023

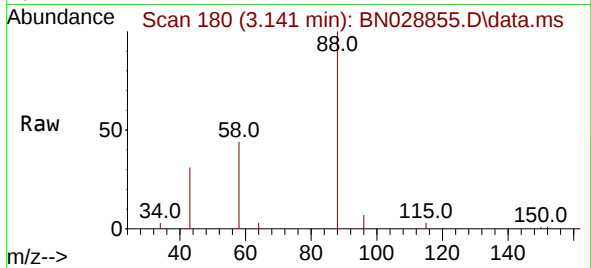
Quant Time: Nov 25 01:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 1.006 ng/ul m
RT: 3.141 min Scan# 182
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

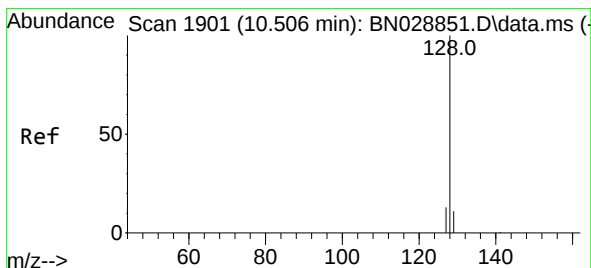
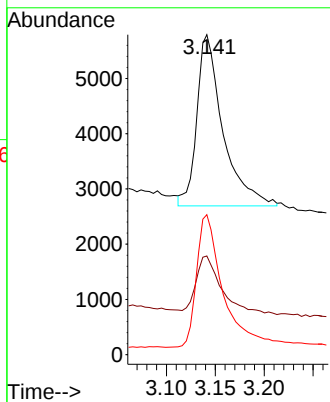
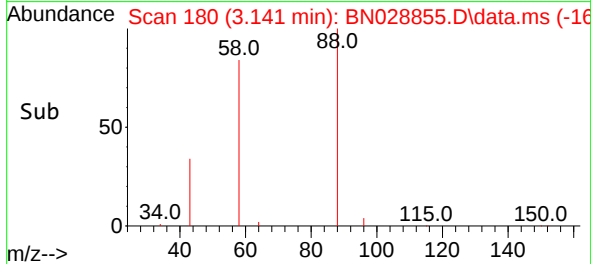
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD



Tgt Ion: 88 Resp: 574
Ion Ratio Lower Upper
88 100
43 30.8 32.9 49.3
58 43.7 41.8 62.8

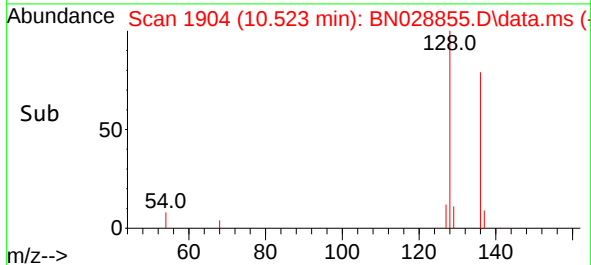
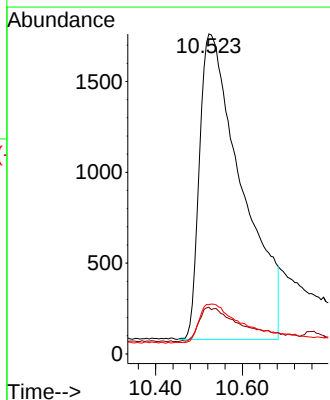
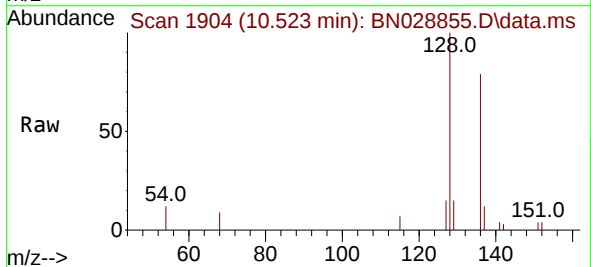
Manual Integrations
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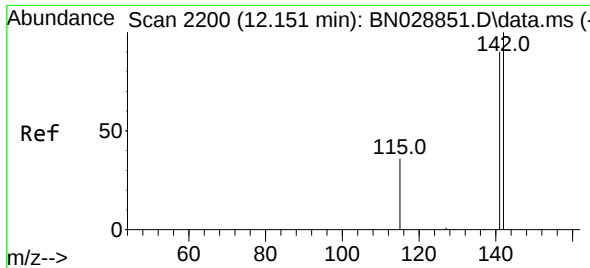
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
Naphthalene
Concen: 0.254 ng/ul
RT: 10.523 min Scan# 1904
Delta R.T. 0.016 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

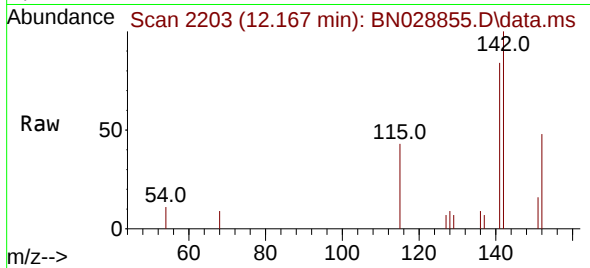
Tgt Ion:128 Resp: 11359
Ion Ratio Lower Upper
128 100
129 14.6 9.2 13.8
127 15.4 10.7 16.1





#7
2-Methylnaphthalene
Concen: 0.213 ng/ul m
RT: 12.167 min Scan# 2203
Delta R.T. 0.027 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

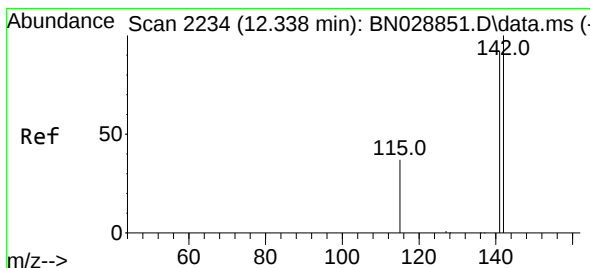
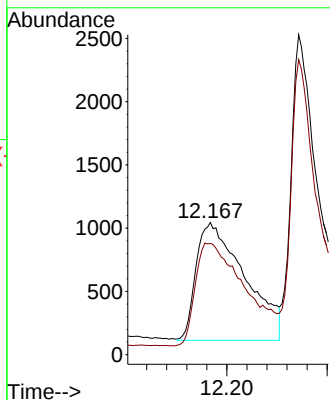
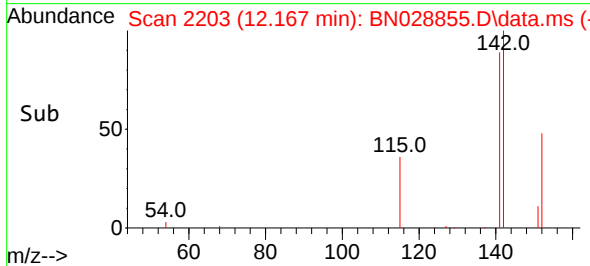
Instrument :
BNA_N
ClientSampleId :
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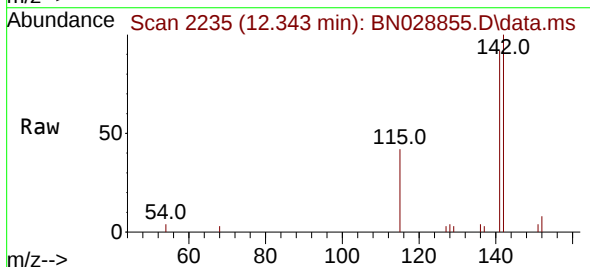
Tgt Ion:142 Resp: 6275
Ion Ratio Lower Upper
142 100
141 60.7 70.8 106.2

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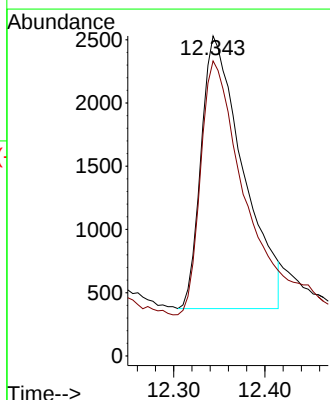
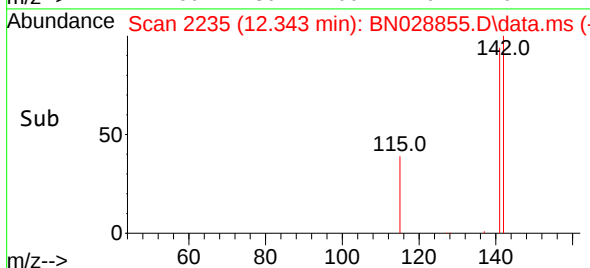
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

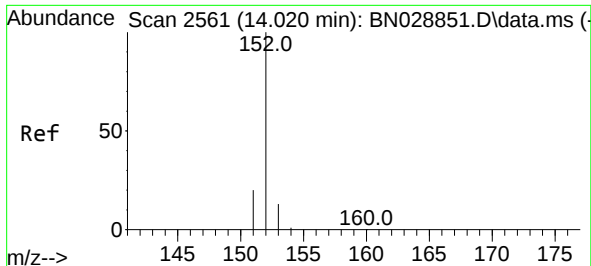


#8
1-Methylnaphthalene
Concen: 0.230 ng/ul
RT: 12.343 min Scan# 2235
Delta R.T. 0.005 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59



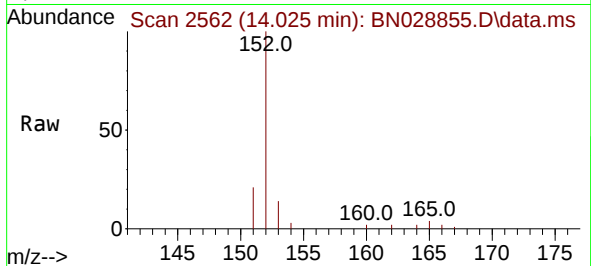
Tgt Ion:142 Resp: 6882
Ion Ratio Lower Upper
142 100
141 93.2 74.1 111.1





#10
Acenaphthylene
Concen: 0.300 ng/ul
RT: 14.025 min Scan# 2561
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

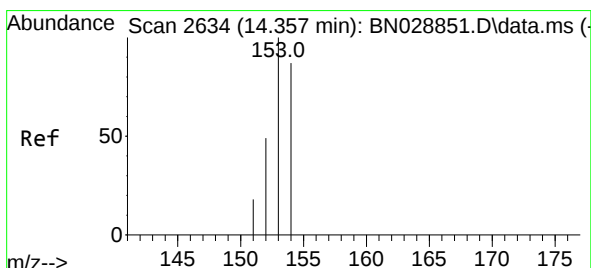
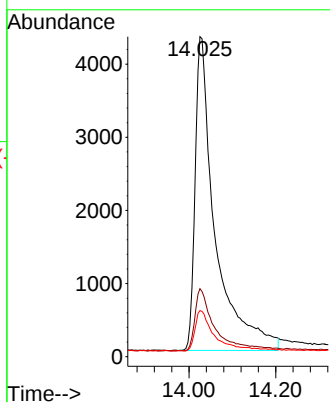
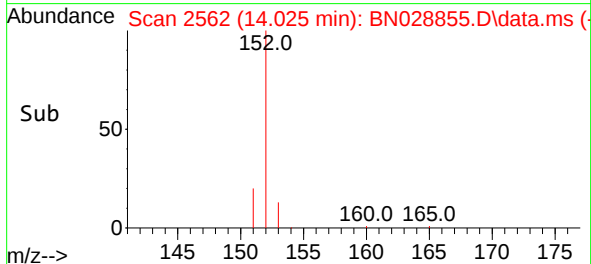
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD



Tgt Ion:152 Resp: 1380
Ion Ratio Lower Upper
152 100
151 21.3 16.1 24.1
153 14.4 10.6 15.8

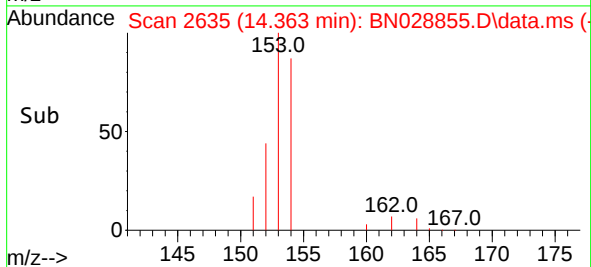
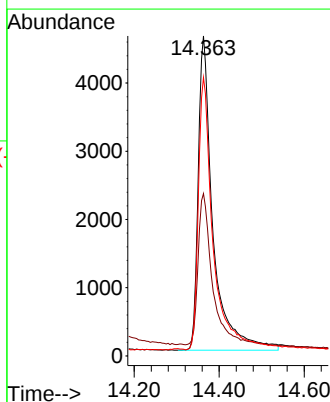
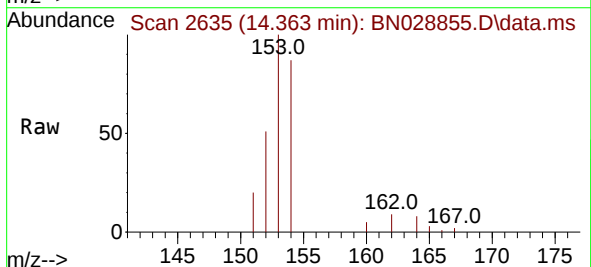
Manual Integrations
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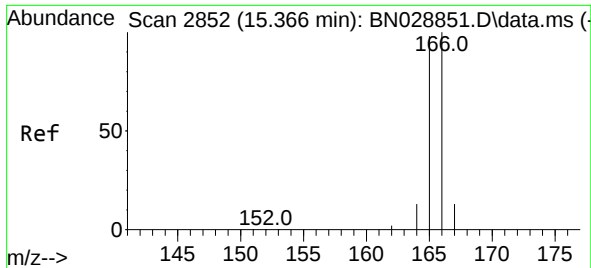
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#11
Acenaphthene
Concen: 0.329 ng/ul
RT: 14.363 min Scan# 2635
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

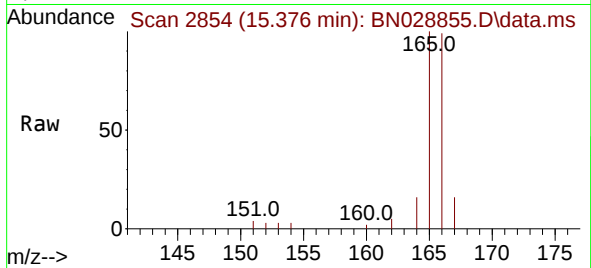
Tgt Ion:153 Resp: 11143
Ion Ratio Lower Upper
153 100
152 50.7 39.6 59.4
154 87.1 71.0 106.6





#12
Fluorene
Concen: 0.251 ng/ul
RT: 15.376 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

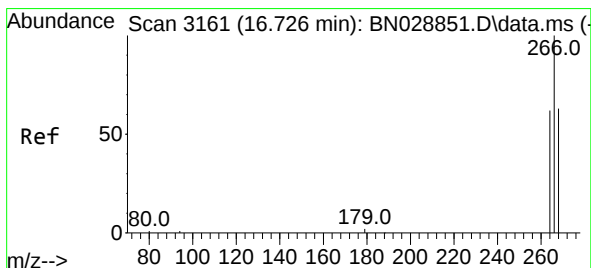
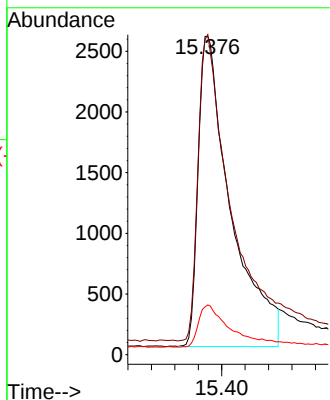
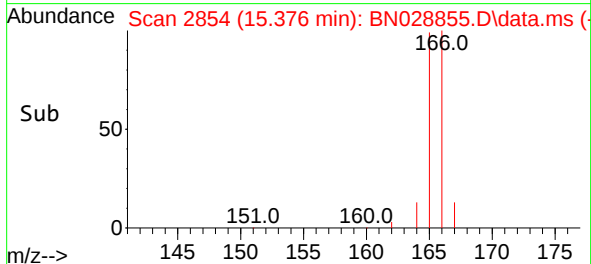
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD



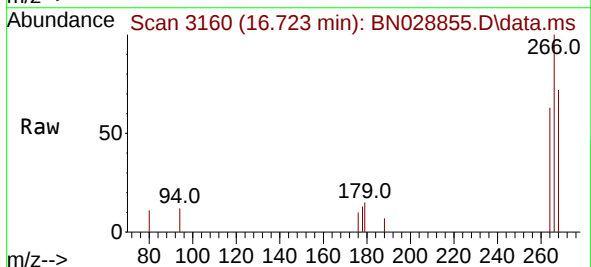
Tgt Ion:166 Resp: 9880
Ion Ratio Lower Upper
166 100
165 100.5 78.6 118.0
167 15.6 11.0 16.6

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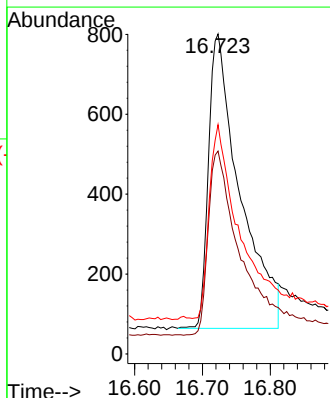
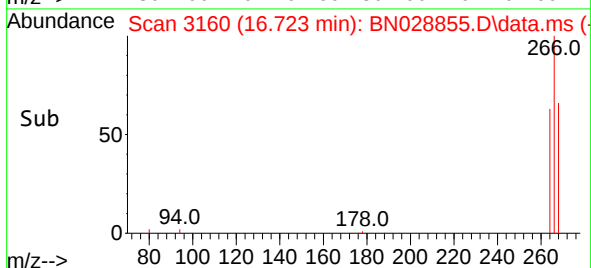
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

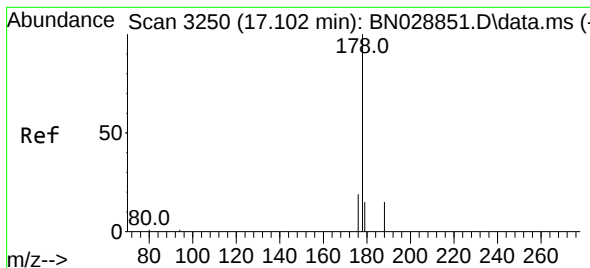


#14
Pentachlorophenol
Concen: 0.813 ng/ul
RT: 16.723 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59



Tgt Ion:266 Resp: 2366
Ion Ratio Lower Upper
266 100
264 62.5 50.1 75.1
268 62.8 50.6 75.8





#15

Phenanthrene

Concen: 0.382 ng/ul

RT: 17.107 min Scan# 3251

Delta R.T. 0.004 min

Lab File: BN028855.D

Acq: 24 Nov 2023 12:59

Instrument :

BNA_N

ClientSampleId :

DCKB7MSD

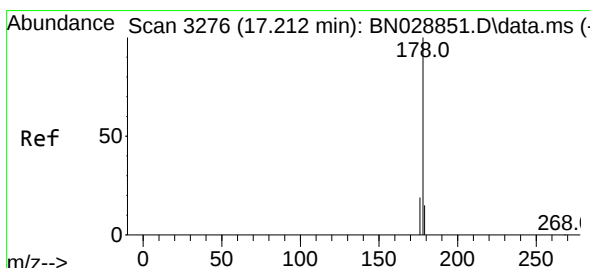
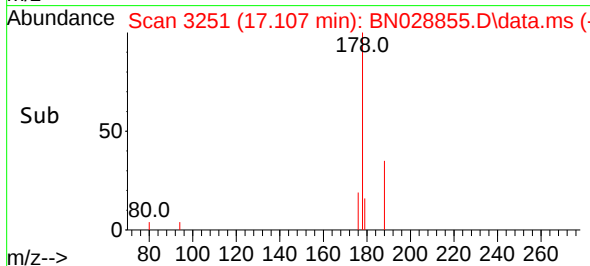
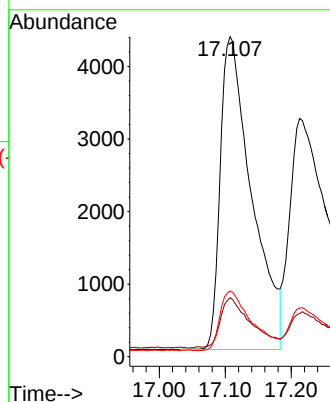
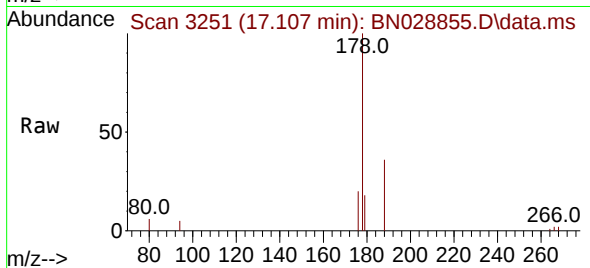
Tgt Ion:	178	Resp:	14234
Ion Ratio	Lower	Upper	
178	100		
179	18.5	12.4	18.6
176	20.5	15.4	23.2

Manual Integrations

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Supervised By :mohammad ahmed 11/28/2023



#16

Anthracene

Concen: 0.283 ng/ul

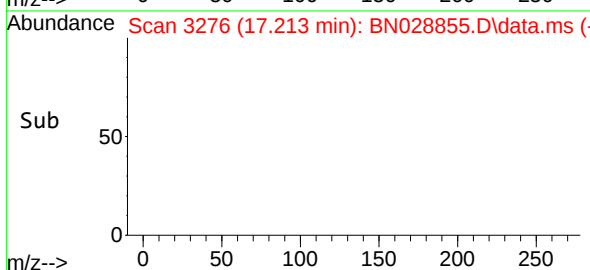
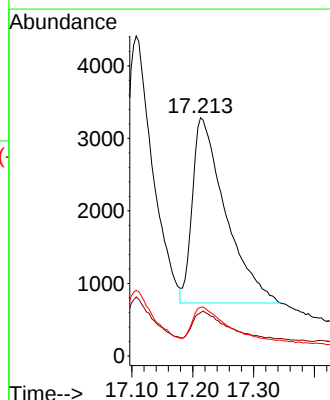
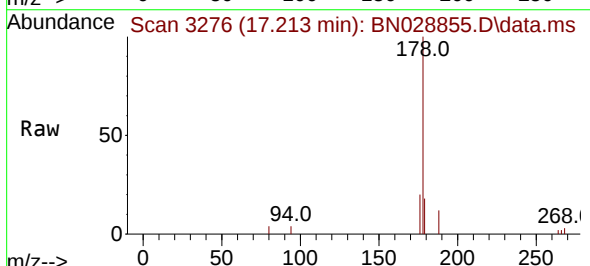
RT: 17.213 min Scan# 3276

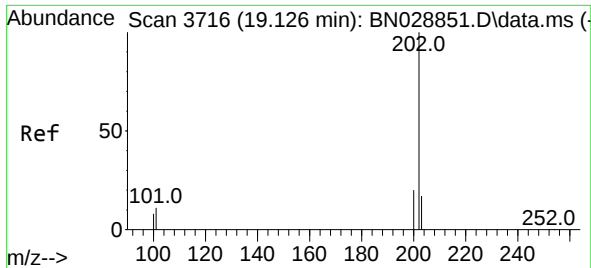
Delta R.T. 0.008 min

Lab File: BN028855.D

Acq: 24 Nov 2023 12:59

Tgt Ion:	178	Resp:	9661
Ion Ratio	Lower	Upper	
178	100		
179	18.1	12.6	18.8
176	20.5	14.9	22.3





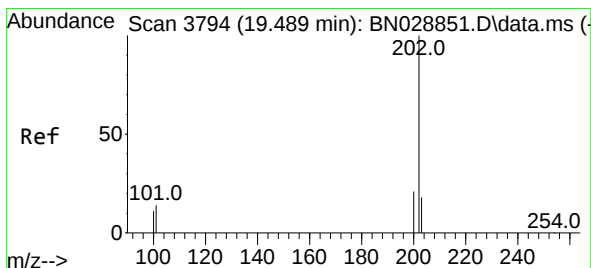
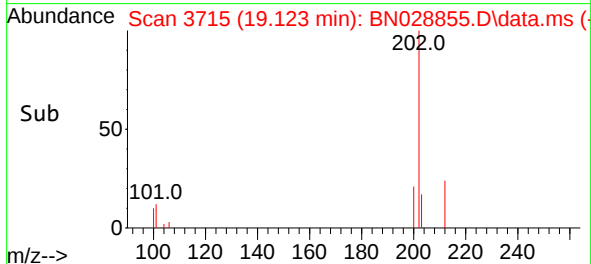
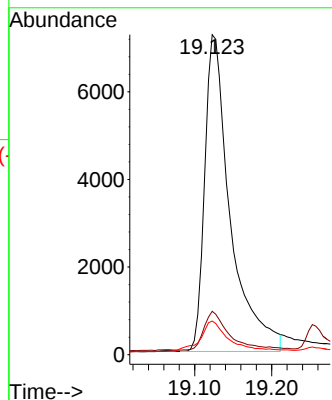
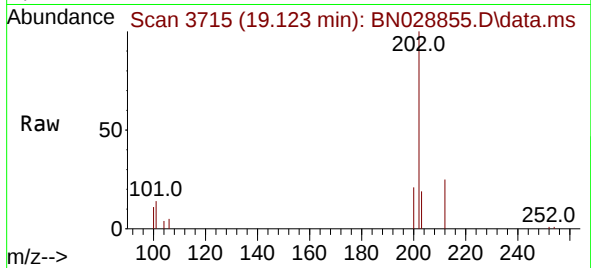
#19
Fluoranthene
Concen: 0.394 ng/u1
RT: 19.123 min Scan# 3715
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Instrument :
BNA_N
ClientSampleId :
DCKB7MSD

Tgt Ion:202 Resp: 16700
Ion Ratio Lower Upper
202 100
101 13.6 9.5 14.3
100 10.5 7.2 10.8

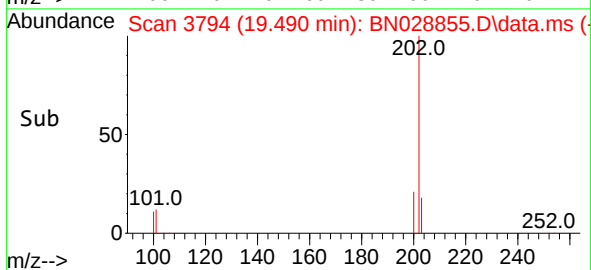
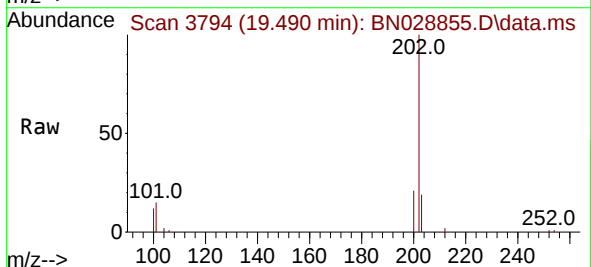
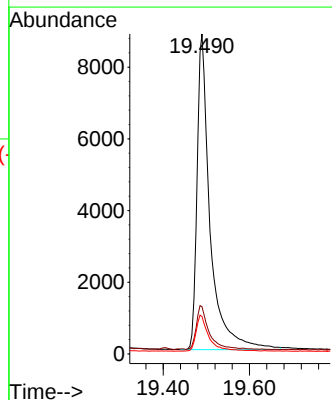
Manual Integrations
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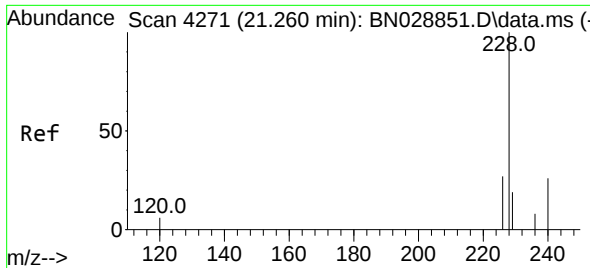
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#20
Pyrene
Concen: 0.421 ng/u1
RT: 19.490 min Scan# 3794
Delta R.T. 0.005 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

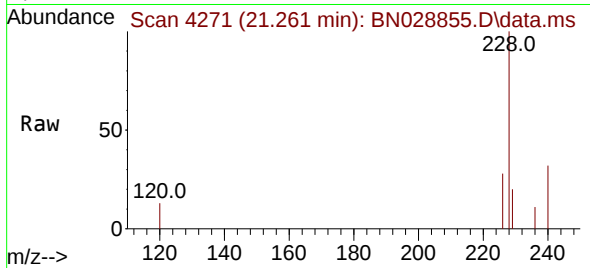
Tgt Ion:202 Resp: 18518
Ion Ratio Lower Upper
202 100
101 14.8 10.3 15.5
100 11.7 8.2 12.2





#21
Benzo(a)anthracene
Concen: 0.256 ng/u1
RT: 21.261 min Scan# 4271
Delta R.T. 0.006 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

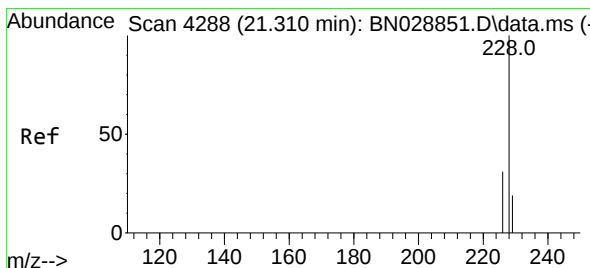
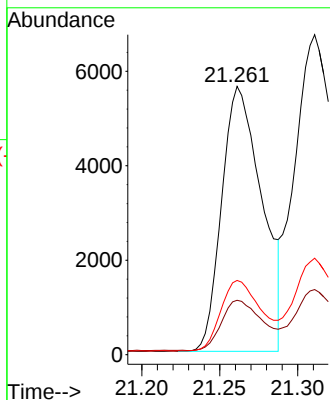
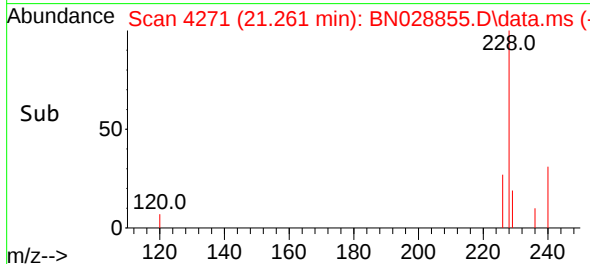
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD



Tgt Ion:228 Resp: 10075
Ion Ratio Lower Upper
228 100
229 20.3 15.7 23.5
226 27.7 21.4 32.0

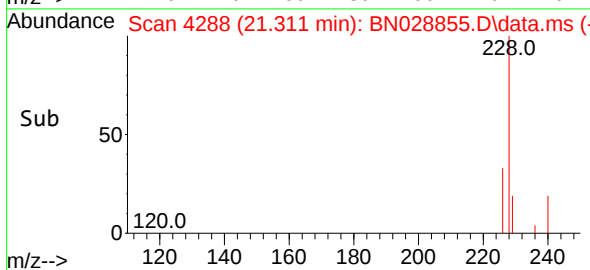
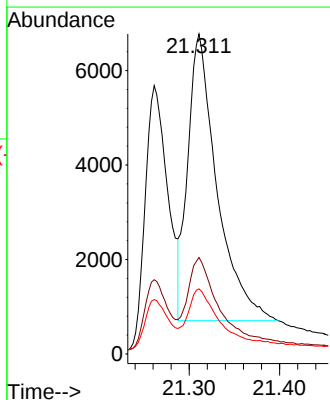
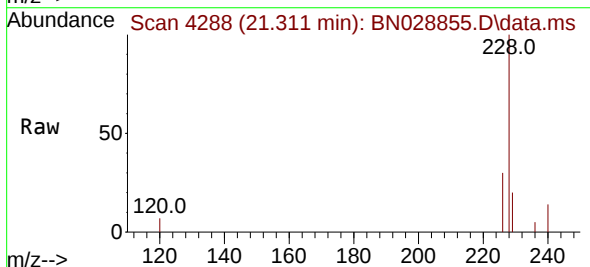
Manual Integrations
APPROVED

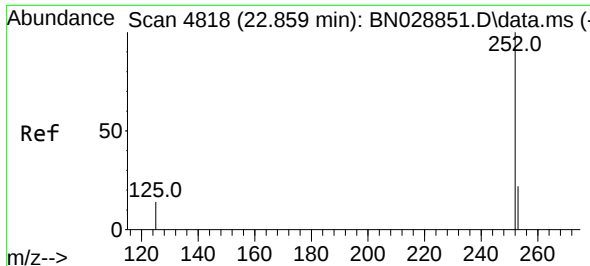
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#22
Chrysene
Concen: 0.353 ng/u1
RT: 21.311 min Scan# 4288
Delta R.T. 0.006 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

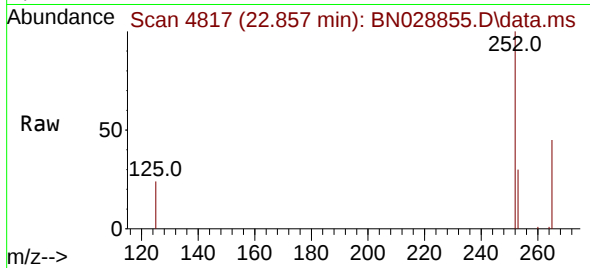
Tgt Ion:228 Resp: 13615
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 20.3 15.4 23.2





#24
Benzo(b)fluoranthene
Concen: 0.324 ng/ul
RT: 22.857 min Scan# 4817
Delta R.T. 0.003 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

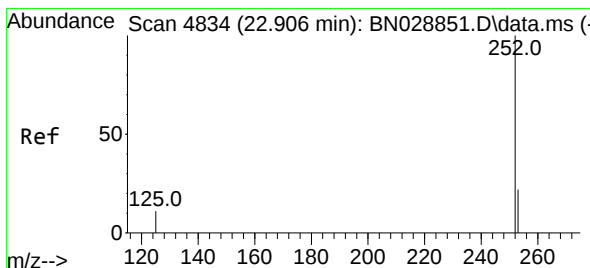
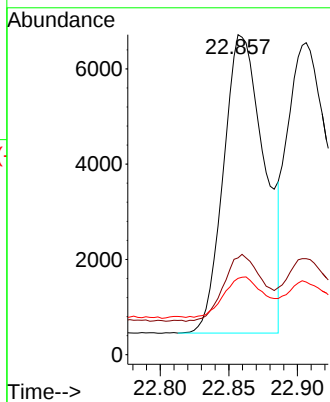
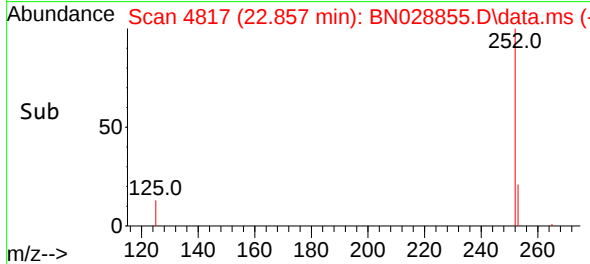
Instrument :
BNA_N
ClientSampleId :
DCKB7MSD



Tgt Ion:252 Resp: 12970
Ion Ratio Lower Upper
252 100
253 30.3 0.0 46.6
125 23.8 0.0 27.6

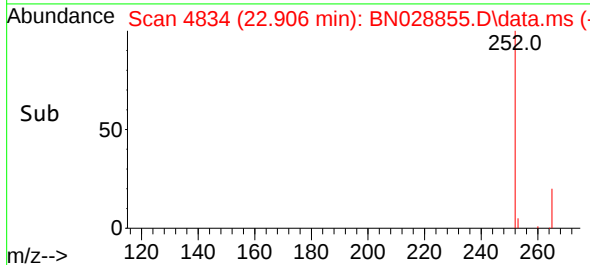
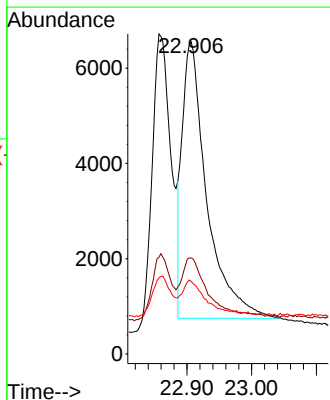
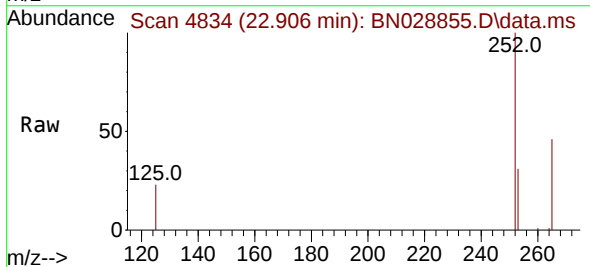
Manual Integrations
APPROVED

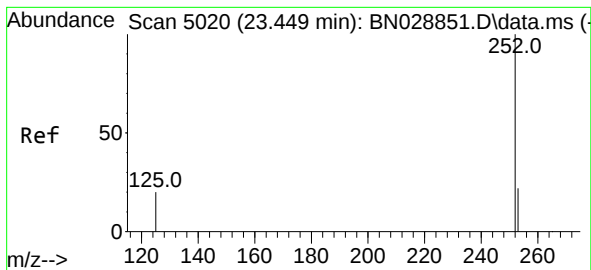
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#25
Benzo(k)fluoranthene
Concen: 0.365 ng/ul
RT: 22.906 min Scan# 4834
Delta R.T. 0.003 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:252 Resp: 15319
Ion Ratio Lower Upper
252 100
253 30.8 18.6 28.0#
125 23.3 12.7 19.1#





#26

Benzo(a)pyrene

Concen: 0.351 ng/ul

RT: 23.450 min Scan# 5020

Delta R.T. 0.006 min

Lab File: BN028855.D

Acq: 24 Nov 2023 12:59

Instrument :

BN028855.D

ClientSampleId :

DCKB7MSD

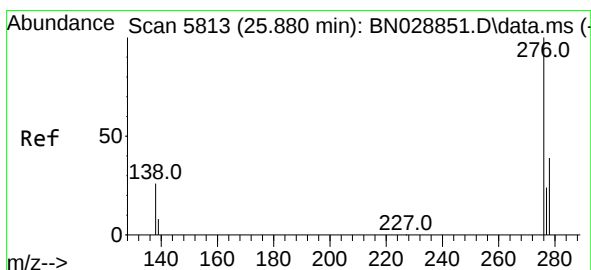
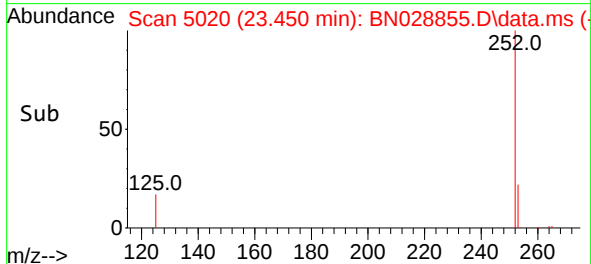
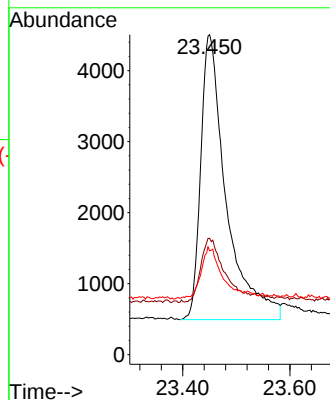
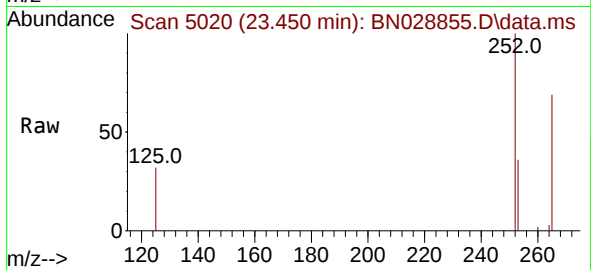
Tgt Ion:	252	Resp:	13250
Ion Ratio	Lower	Upper	
252	100		
253	36.3	19.0	28.6
125	32.4	13.2	19.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.424 ng/ul

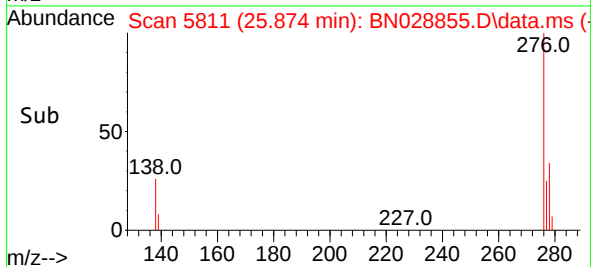
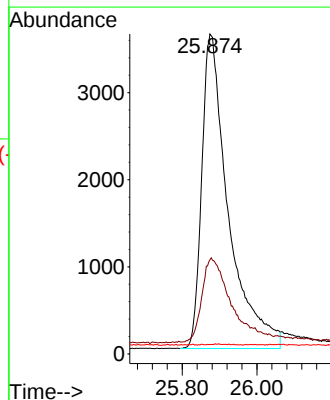
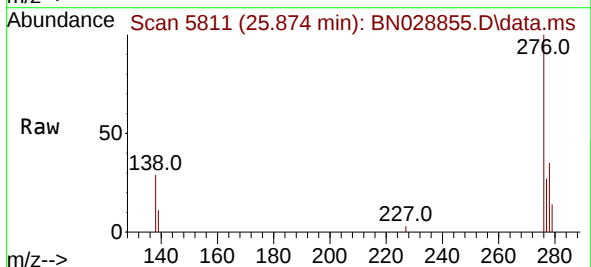
RT: 25.874 min Scan# 5811

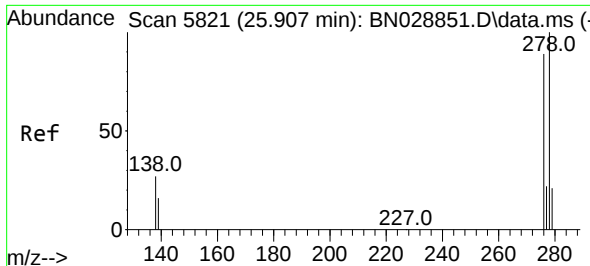
Delta R.T. -0.000 min

Lab File: BN028855.D

Acq: 24 Nov 2023 12:59

Tgt Ion:	276	Resp:	17788
Ion Ratio	Lower	Upper	
276	100		
138	29.9	23.8	35.6
227	0.0	0.1	0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.411 ng/ul

RT: 25.908 min Scan# 5821

Delta R.T. 0.010 min

Lab File: BN028855.D

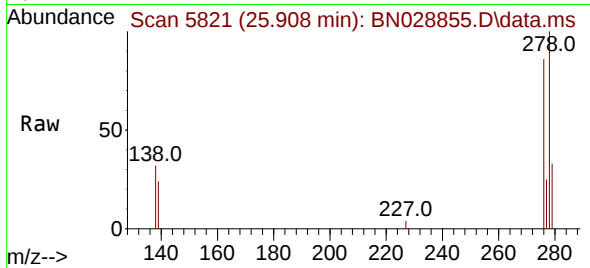
Acq: 24 Nov 2023 12:59

Instrument :

BNA_N

ClientSampleId :

DCKB7MSD



Tgt Ion:278 Resp: 1376

Ion Ratio Lower Upper

278 100

139 24.3 18.2 27.4

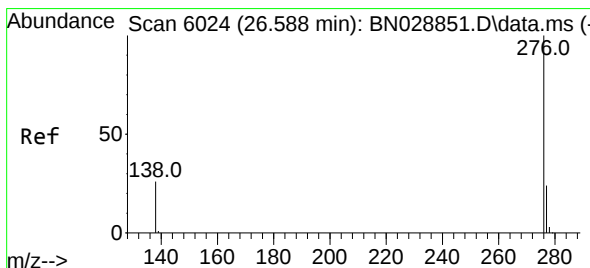
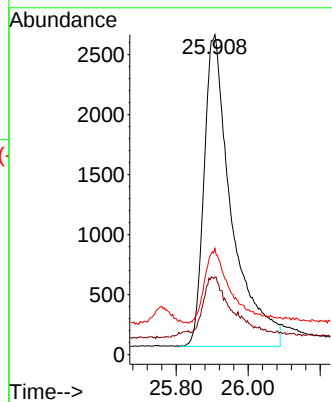
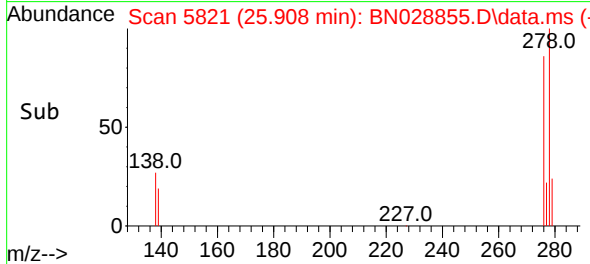
279 33.2 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#29

Benzo(g,h,i)perylene

Concen: 0.462 ng/ul

RT: 26.582 min Scan# 6022

Delta R.T. 0.003 min

Lab File: BN028855.D

Acq: 24 Nov 2023 12:59

Tgt Ion:276 Resp: 15874

Ion Ratio Lower Upper

276 100

138 28.7 20.5 30.7

277 26.1 19.4 29.0

