

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
 Data File : BN032542.D
 Acq On : 06 Jul 2024 12:24
 Operator : MA/JU
 Sample : P2982-02MS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT2MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 07 23:45:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.591	152	6099	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.365	136	18203	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.239	164	10463	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.995	188	21580	0.400	ng/ul	-0.01
17) Chrysene-d12	21.200	240	20785	0.400	ng/ul	0.00
23) Perylene-d12	23.412	264	28798	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	908	0.134	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152	2102	0.077	ng/ul	0.00
18) Fluoranthene-d10	19.031	212	6458	0.103	ng/ul	-0.01
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.173	88	2565	0.332	ng/ul#	83
5) Naphthalene	10.415	128	9669	0.201	ng/ul	96
7) 2-Methylnaphthalene	12.043	142	4508	0.141	ng/ul	99
8) 1-Methylnaphthalene	12.263	142	4179	0.126	ng/ul	99
10) Acenaphthylene	13.962	152	22484	0.517	ng/ul	99
11) Acenaphthene	14.299	153	10710	0.317	ng/ul	98
12) Fluorene	15.299	166	12910	0.321	ng/ul	99
14) Pentachlorophenol	16.661	266	1198	0.245	ng/ul	93
15) Phenanthrene	17.033	178	261823	4.425	ng/ul	99
16) Anthracene	17.130	178	55909	1.059	ng/ul	99
19) Fluoranthene	19.059	202	693180	8.758	ng/ul	97
20) Pyrene	19.426	202	509277	6.157	ng/ul	99
21) Benzo(a)anthracene	21.182	228	316997	4.226	ng/ul	99
22) Chrysene	21.235	228	384115	4.665	ng/ul	97
24) Benzo(b)fluoranthene	22.748	252	568484m	4.544	ng/ul	
25) Benzo(k)fluoranthene	22.787	252	204523m	1.682	ng/ul	
26) Benzo(a)pyrene	23.316	252	196618	2.259	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.639	276	203251	1.491	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.643	278	76045	0.751	ng/ul	96
29) Benzo(g,h,i)perylene	26.327	276	28060	0.258	ng/ul#	87

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

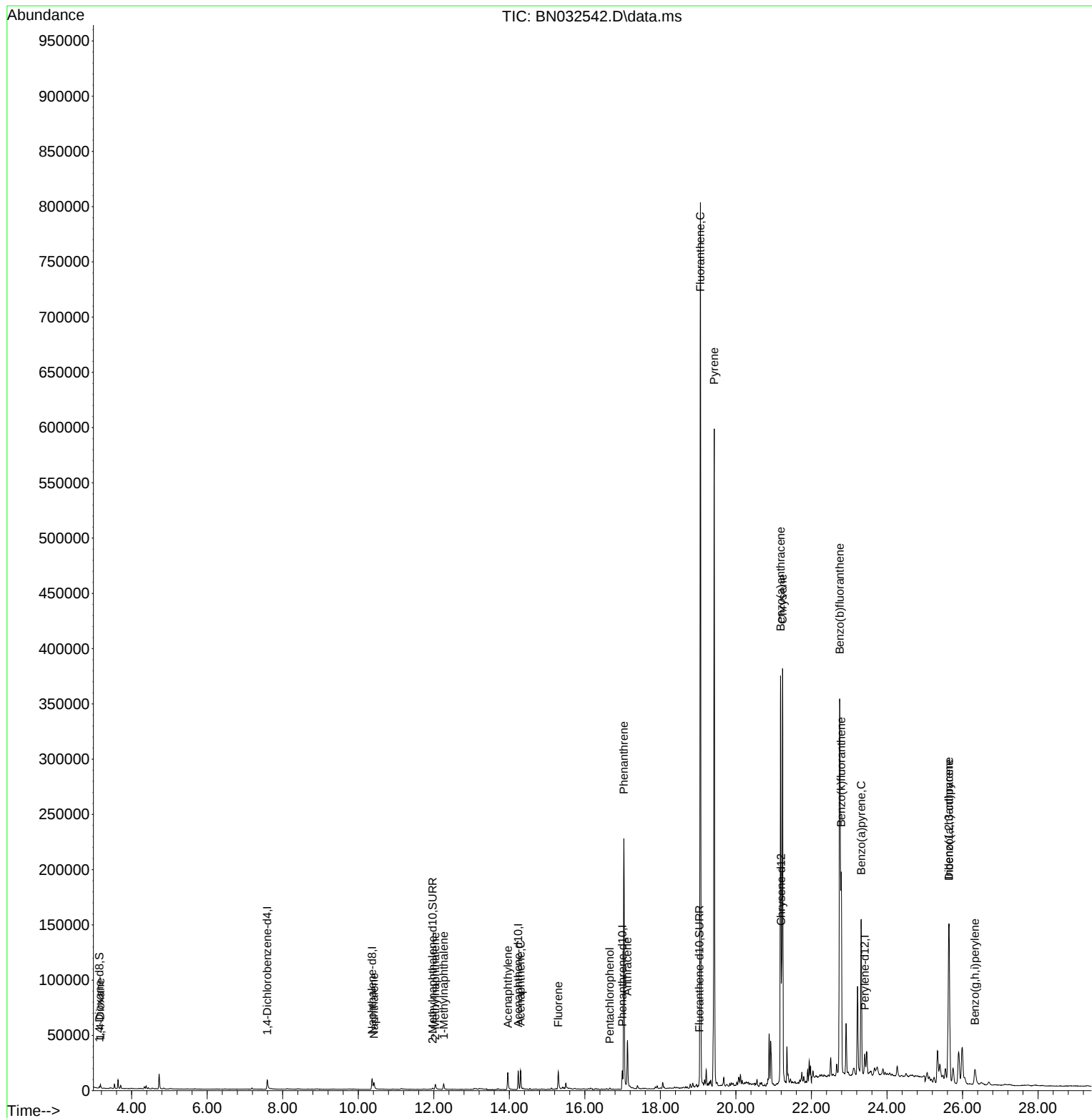
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032542.D
Acq On : 06 Jul 2024 12:24
Operator : MA/JU
Sample : P2982-02MS
Misc :
ALS Vial : 43 Sample Multiplier: 1

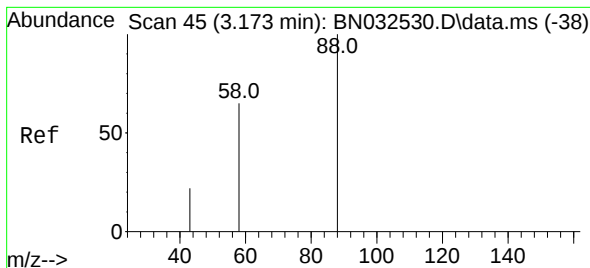
Instrument :
BNA_N
ClientSampleId :
A4CT2MS

Quant Time: Jul 07 23:45:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/08/2024





#2

1,4-Dioxane

Concen: 0.332 ng/ul

RT: 3.173 min Scan# 45

Delta R.T. -0.008 min

Lab File: BN032542.D

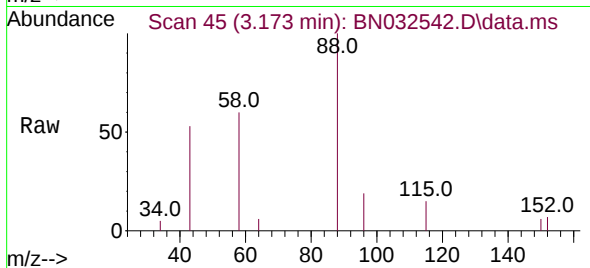
Acq: 06 Jul 2024 12:24

Instrument :

BNA_N

ClientSampleId :

A4CT2MS



Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 52.9 28.4 42.6

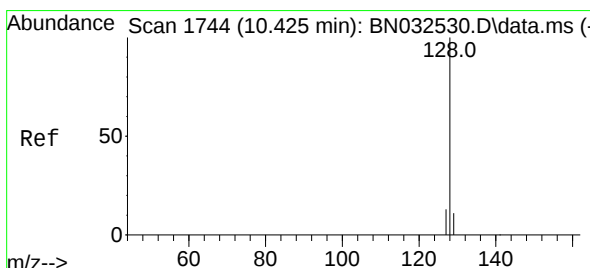
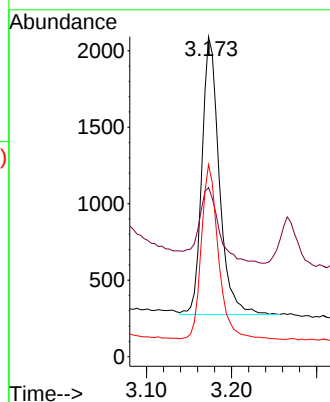
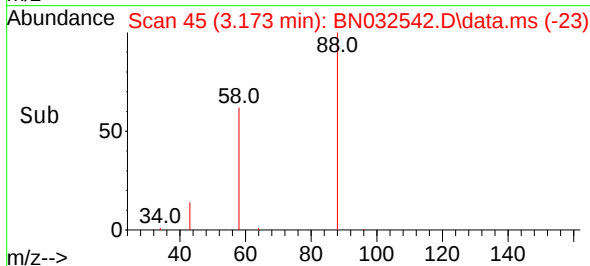
58 60.0 43.3 64.9

Manual Integrations

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#5

Naphthalene

Concen: 0.201 ng/ul

RT: 10.415 min Scan# 1742

Delta R.T. -0.016 min

Lab File: BN032542.D

Acq: 06 Jul 2024 12:24

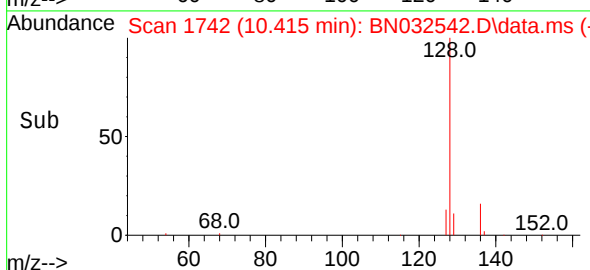
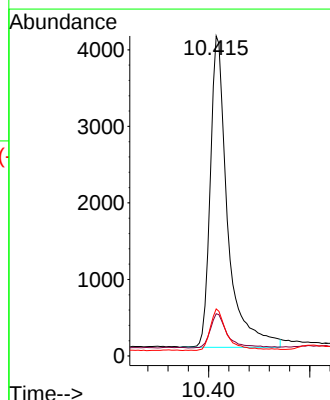
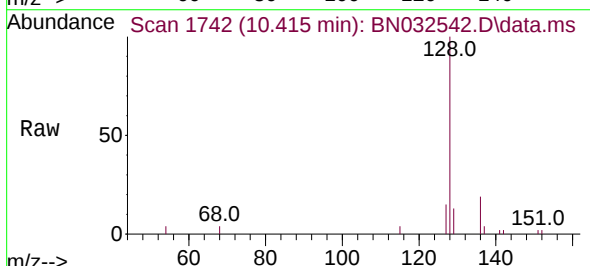
Tgt Ion:128 Resp: 9669

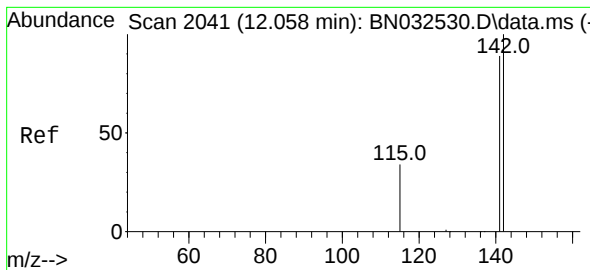
Ion Ratio Lower Upper

128 100

129 13.2 9.2 13.8

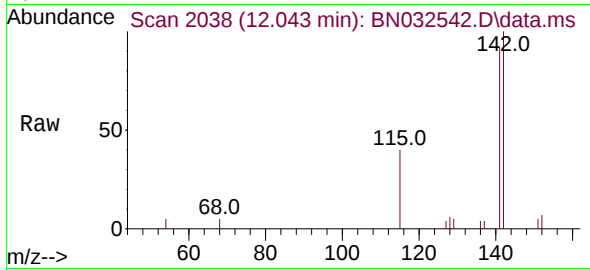
127 14.7 10.8 16.2





#7
2-Methylnaphthalene
Concen: 0.141 ng/ul
RT: 12.043 min Scan# 2041
Delta R.T. -0.011 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

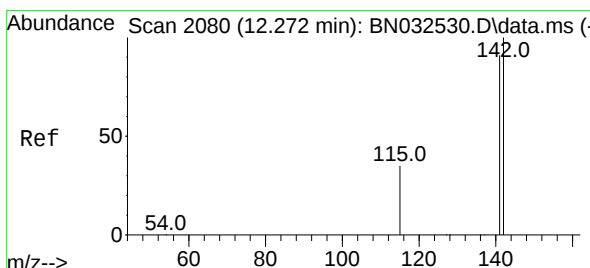
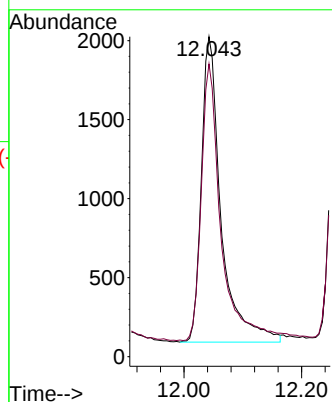
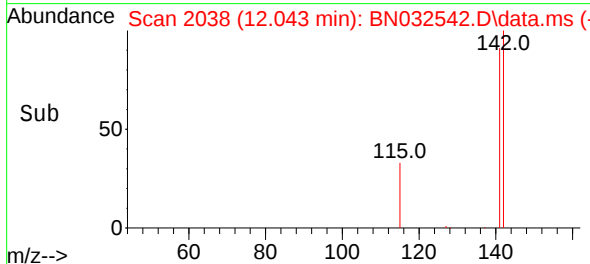
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



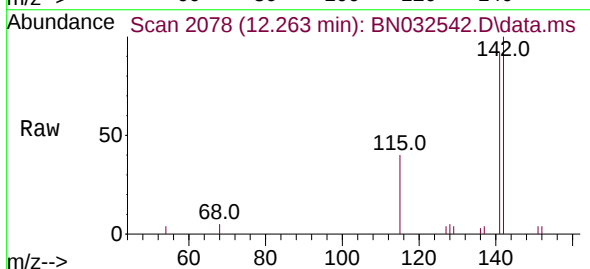
Tgt Ion:142 Resp: 4508
Ion Ratio Lower Upper
142 100
141 89.4 72.2 108.2

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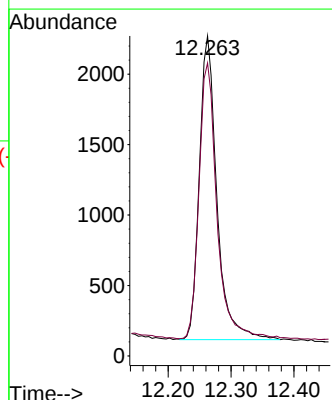
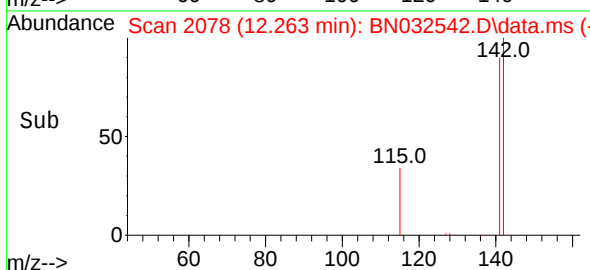
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

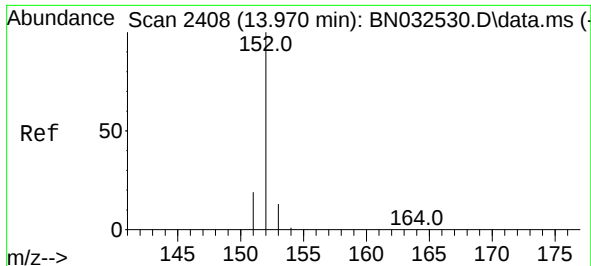


#8
1-Methylnaphthalene
Concen: 0.126 ng/ul
RT: 12.263 min Scan# 2078
Delta R.T. -0.011 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24



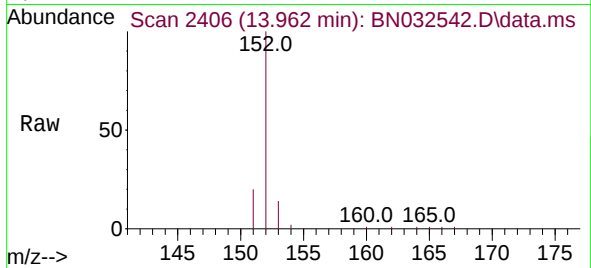
Tgt Ion:142 Resp: 4179
Ion Ratio Lower Upper
142 100
141 92.7 73.4 110.0





#10
Acenaphthylene
Concen: 0.517 ng/ul
RT: 13.962 min Scan# 2406
Delta R.T. -0.009 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

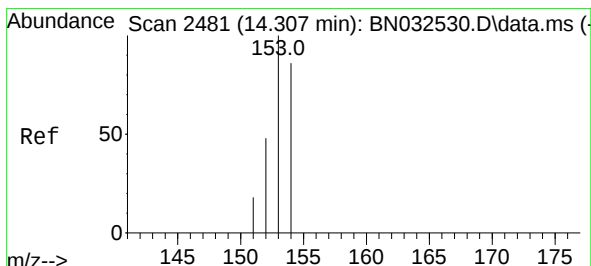
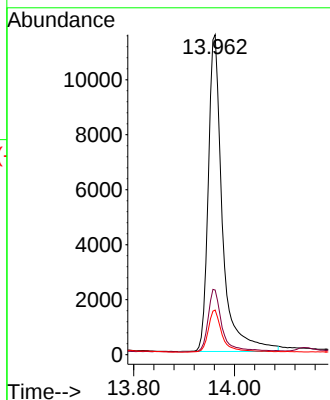
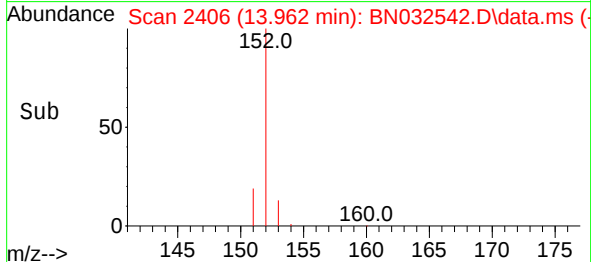
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



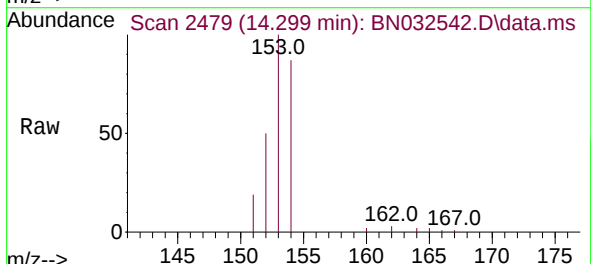
Tgt Ion:152 Resp: 2248
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.9 10.9 16.3

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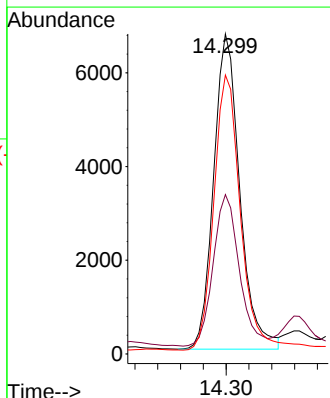
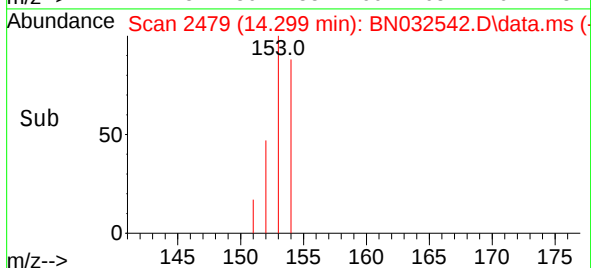
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

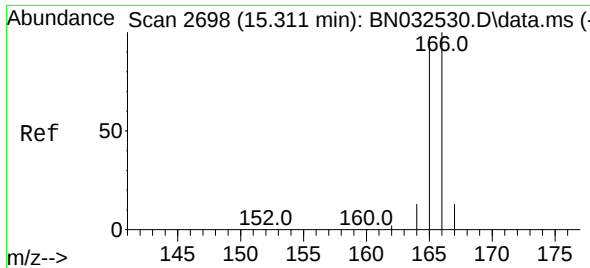


#11
Acenaphthene
Concen: 0.317 ng/ul
RT: 14.299 min Scan# 2479
Delta R.T. -0.014 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24



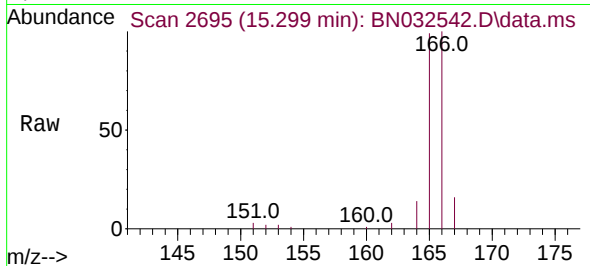
Tgt Ion:153 Resp: 10710
Ion Ratio Lower Upper
153 100
152 49.8 39.5 59.3
154 87.1 71.7 107.5





#12
Fluorene
Concen: 0.321 ng/ul
RT: 15.299 min Scan# 2099
Delta R.T. -0.014 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

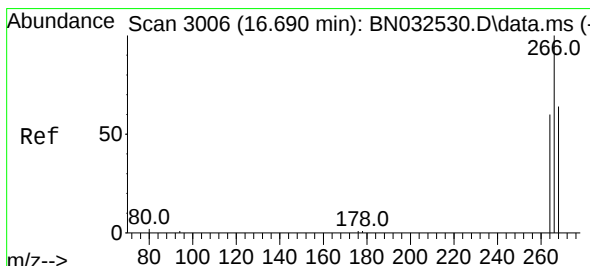
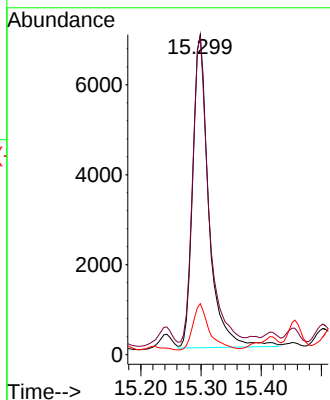
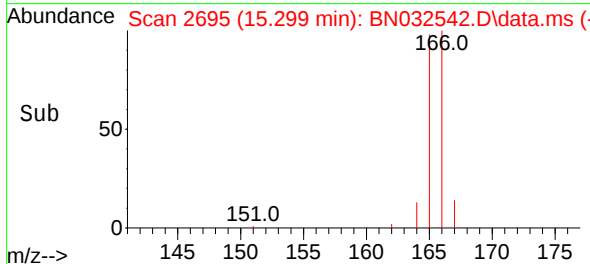
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



Tgt Ion:166 Resp: 12910
Ion Ratio Lower Upper
166 100
165 99.3 79.0 118.6
167 15.9 11.0 16.6

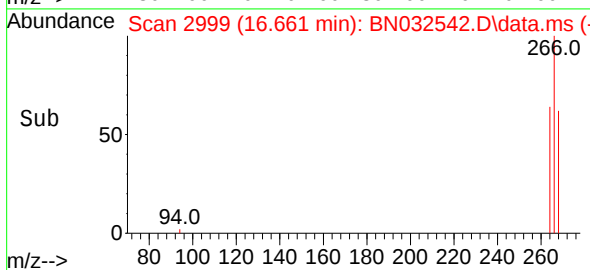
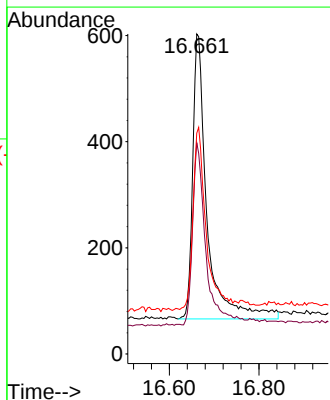
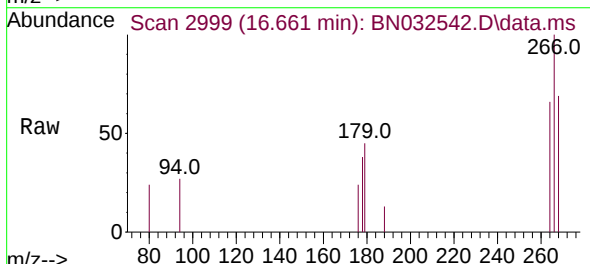
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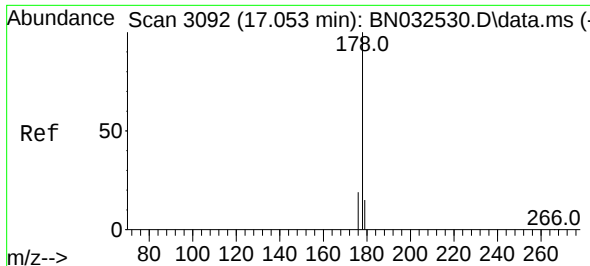
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#14
Pentachlorophenol
Concen: 0.245 ng/ul
RT: 16.661 min Scan# 2999
Delta R.T. -0.013 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

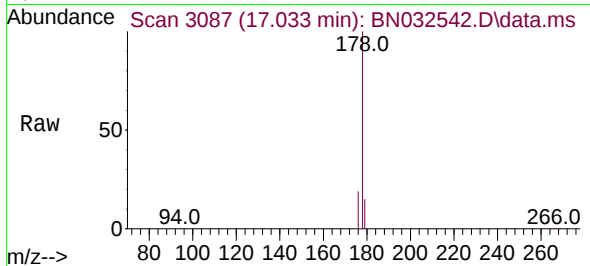
Tgt Ion:266 Resp: 1198
Ion Ratio Lower Upper
266 100
264 58.5 49.9 74.9
268 58.8 52.4 78.6





#15
Phenanthrene
Concen: 4.425 ng/ul
RT: 17.033 min Scan# 3092
Delta R.T. -0.017 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

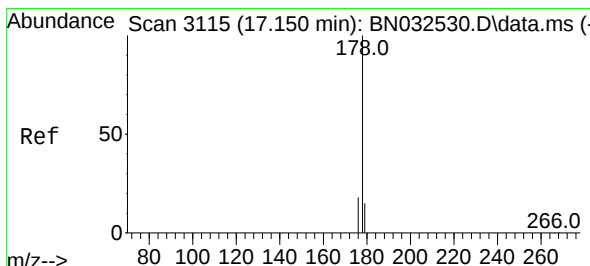
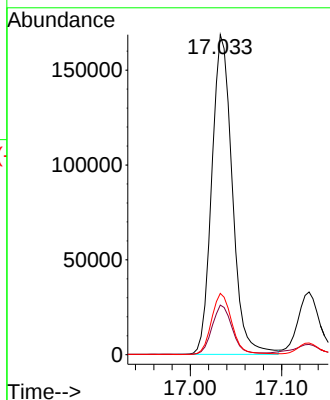
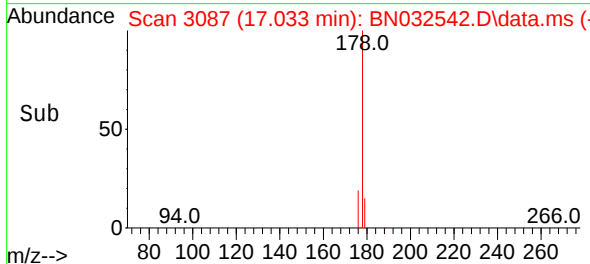
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



Tgt Ion:178 Resp: 261823
Ion Ratio Lower Upper
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179 15.5 12.6 18.8
176 19.1 15.6 23.4

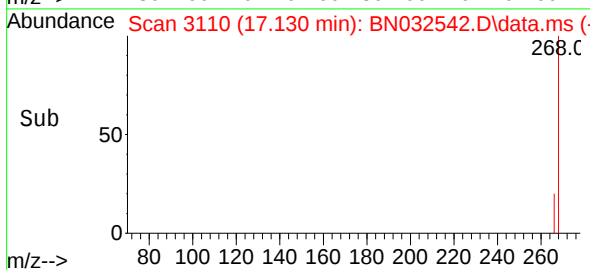
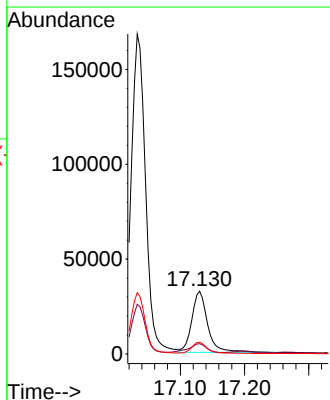
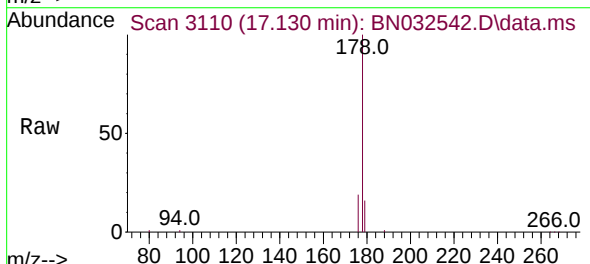
Manual Integrations
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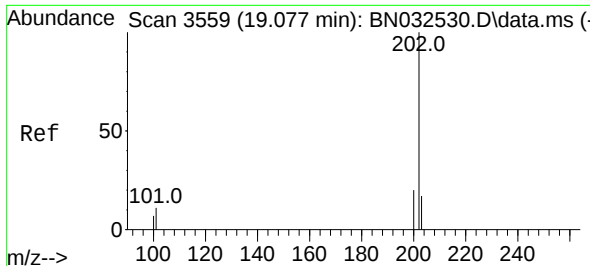
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#16
Anthracene
Concen: 1.059 ng/ul
RT: 17.130 min Scan# 3110
Delta R.T. -0.013 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

Tgt Ion:178 Resp: 55909
Ion Ratio Lower Upper
178 100
179 16.5 12.5 18.7
176 18.6 15.0 22.6





#19

Fluoranthene

Concen: 8.758 ng/ul

RT: 19.059 min Scan# 3555

Delta R.T. -0.014 min

Lab File: BN032542.D

Acq: 06 Jul 2024 12:24

Instrument :

BNA_N

ClientSampleId :

A4CT2MS

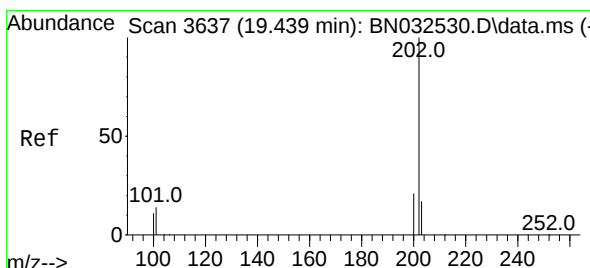
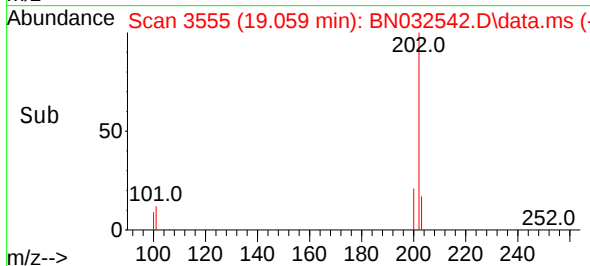
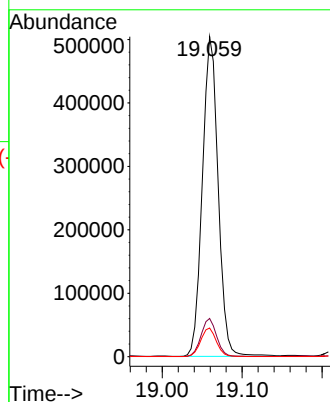
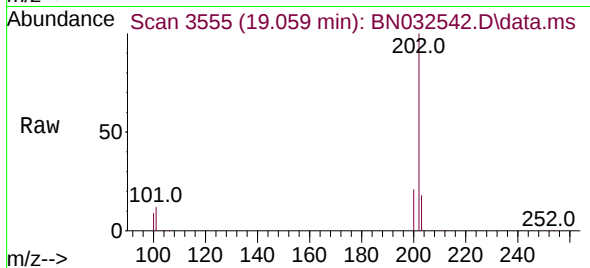
Tgt Ion:202 Resp: 693180
 Ion Ratio Lower Upper
 202 100
 101 11.9 8.8 13.2
 100 9.0 6.4 9.6

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#20

Pyrene

Concen: 6.157 ng/ul

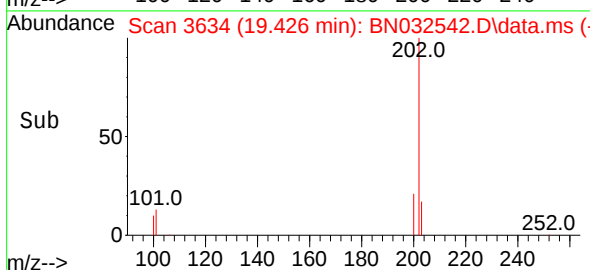
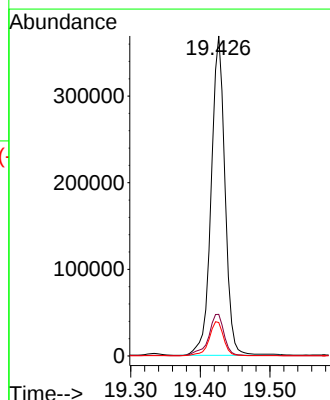
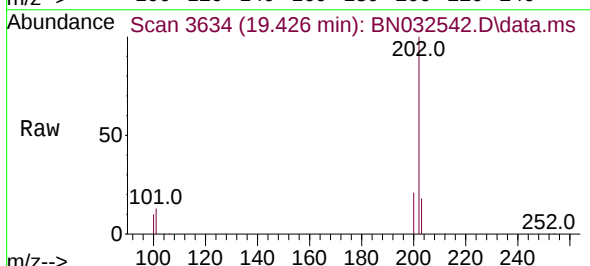
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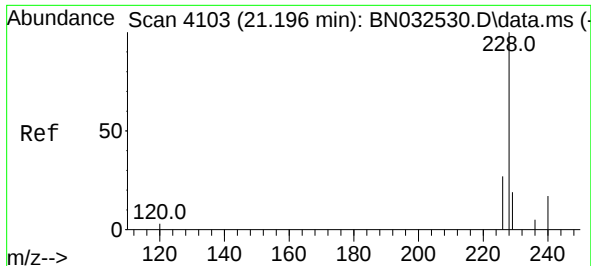
Delta R.T. -0.014 min

Lab File: BN032542.D

Acq: 06 Jul 2024 12:24

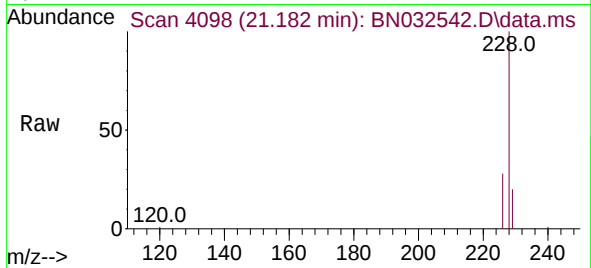
Tgt Ion:202 Resp: 509277
 Ion Ratio Lower Upper
 202 100
 101 13.0 11.0 16.4
 100 10.5 8.7 13.1





#21
Benzo(a)anthracene
Concen: 4.226 ng/ul
RT: 21.182 min Scan# 4103
Delta R.T. -0.009 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

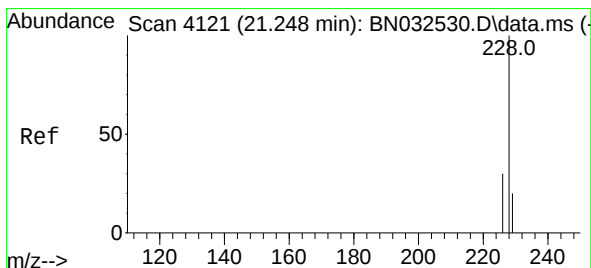
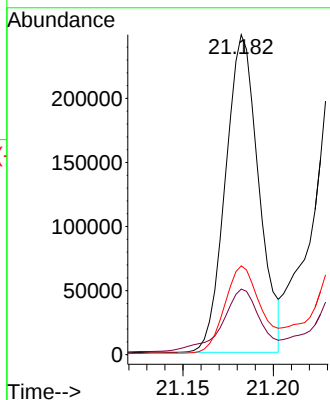
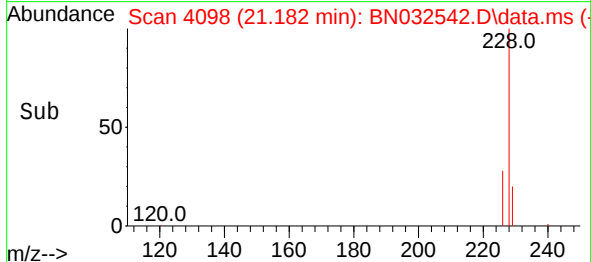
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



Tgt Ion:228 Resp: 31699
Ion Ratio Lower Upper
228 100
229 20.5 15.7 23.5
226 27.8 21.8 32.8

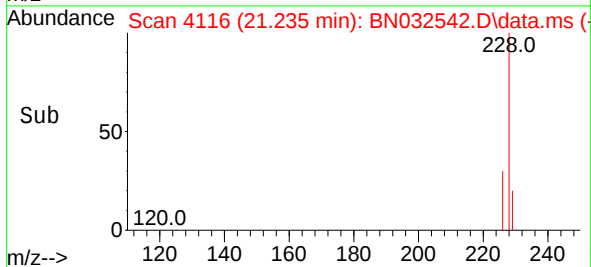
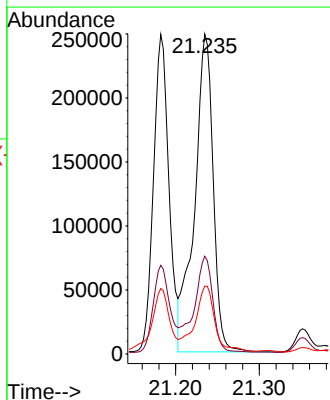
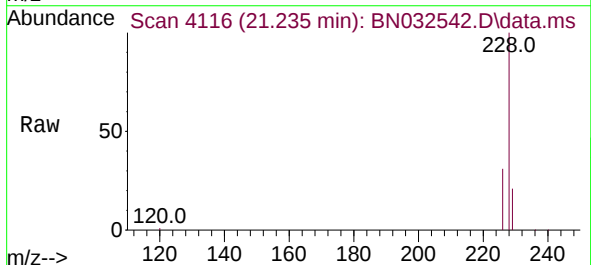
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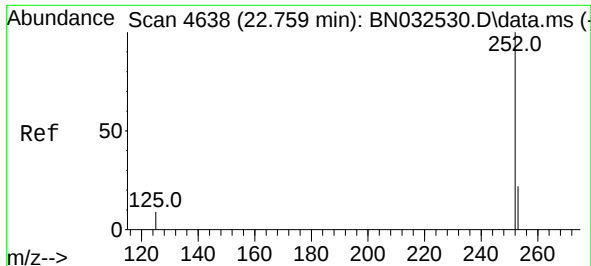
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#22
Chrysene
Concen: 4.665 ng/ul
RT: 21.235 min Scan# 4116
Delta R.T. -0.009 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

Tgt Ion:228 Resp: 384115
Ion Ratio Lower Upper
228 100
226 30.6 23.6 35.4
229 21.2 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 4.544 ng/ul m

RT: 22.748 min Scan# 4634

Delta R.T. -0.009 min

Lab File: BN032542.D

Acq: 06 Jul 2024 12:24

Instrument :

BNA_N

ClientSampleId :

A4CT2MS

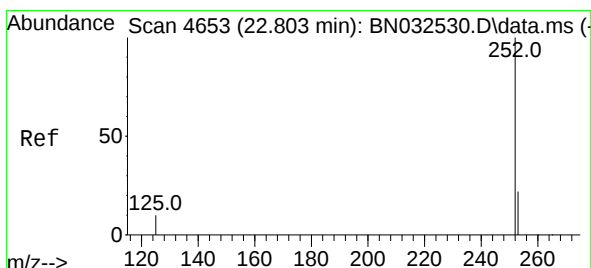
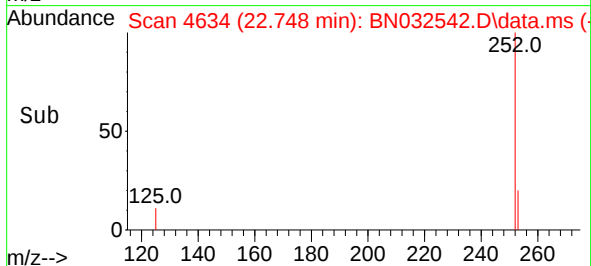
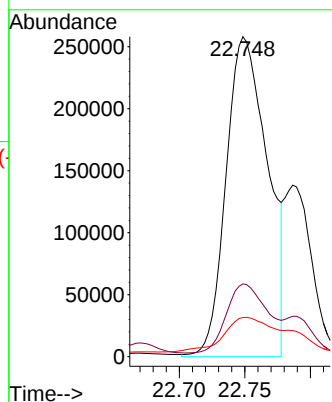
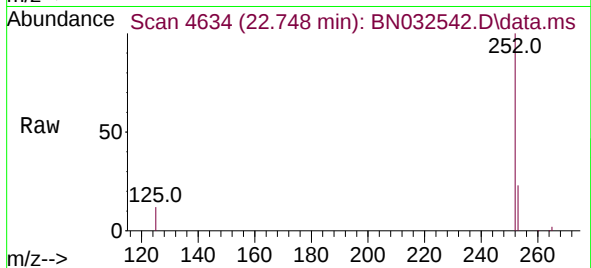
Tgt Ion:252 Resp: 56848
 Ion Ratio Lower Upper
 252 100
 253 22.8 0.0 50.2
 125 12.2 0.0 32.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#25

Benzo(k)fluoranthene

Concen: 1.682 ng/ul m

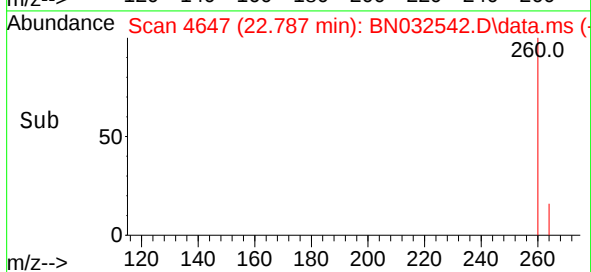
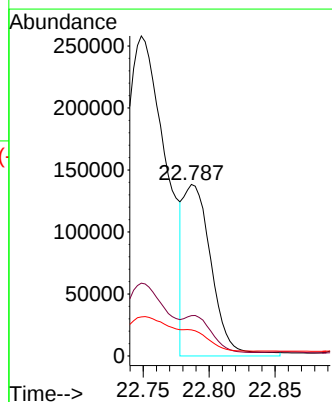
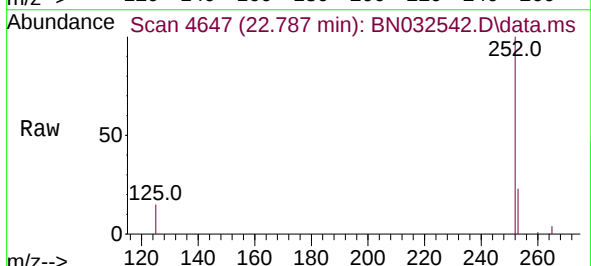
RT: 22.787 min Scan# 4647

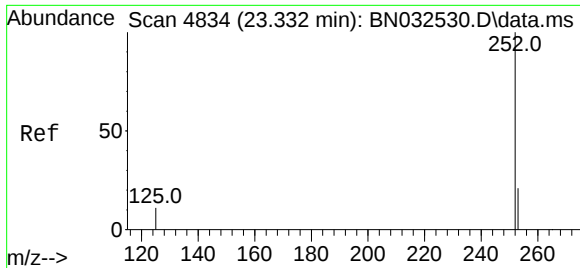
Delta R.T. -0.015 min

Lab File: BN032542.D

Acq: 06 Jul 2024 12:24

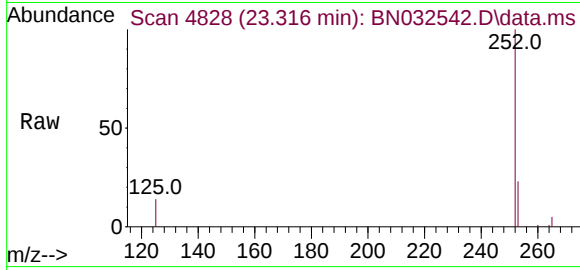
Tgt Ion:252 Resp: 204523
 Ion Ratio Lower Upper
 252 100
 253 23.5 20.3 30.5
 125 15.3 12.8 19.2





#26
Benzo(a)pyrene
Concen: 2.259 ng/ul
RT: 23.316 min Scan# 4828
Delta R.T. -0.012 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

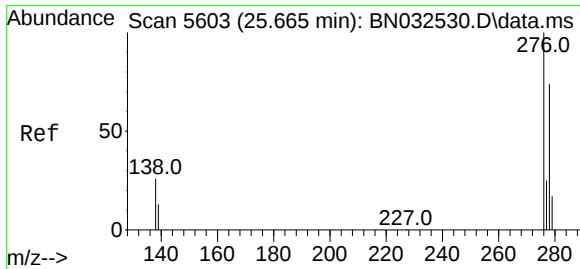
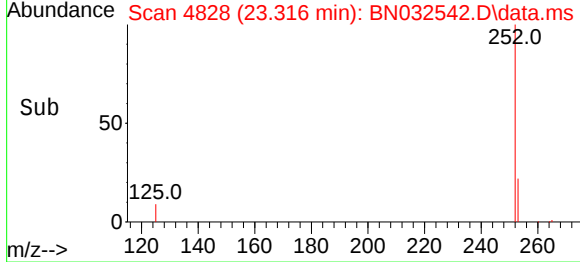
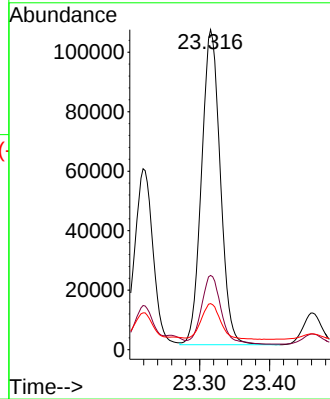
Instrument :
BNA_N
ClientSampleId :
A4CT2MS



Tgt Ion:252 Resp: 196618
Ion Ratio Lower Upper
252 100
253 23.2 22.2 33.2
125 14.4 16.4 24.6

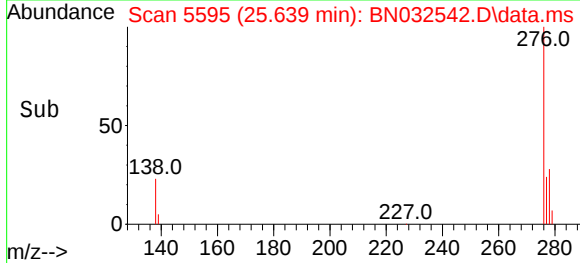
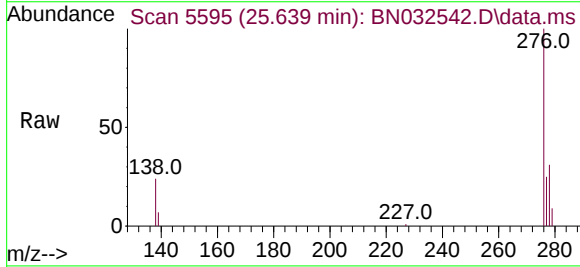
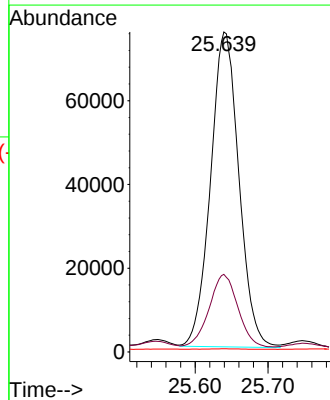
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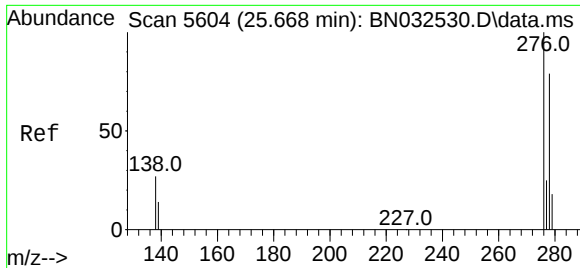
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.491 ng/ul
RT: 25.639 min Scan# 5595
Delta R.T. -0.020 min
Lab File: BN032542.D
Acq: 06 Jul 2024 12:24

Tgt Ion:276 Resp: 203251
Ion Ratio Lower Upper
276 100
138 23.4 21.3 31.9
227 0.2 0.1 0.1





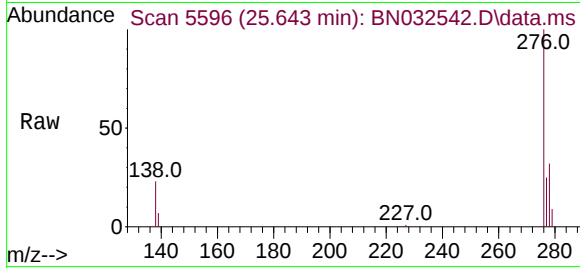
#28
 Dibenzo(a,h)anthracene
 Concen: 0.751 ng/ul
 RT: 25.643 min Scan# 5596
 Delta R.T. -0.023 min
 Lab File: BN032542.D
 Acq: 06 Jul 2024 12:24

Instrument :

BNA_N

ClientSampleId :

A4CT2MS

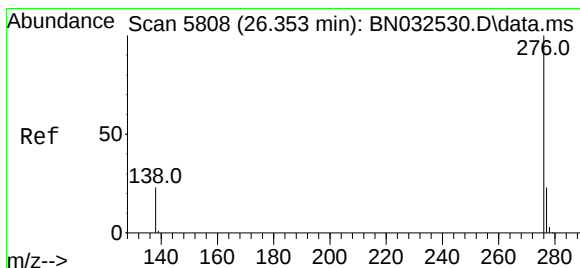
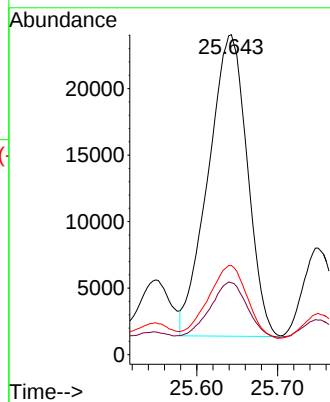
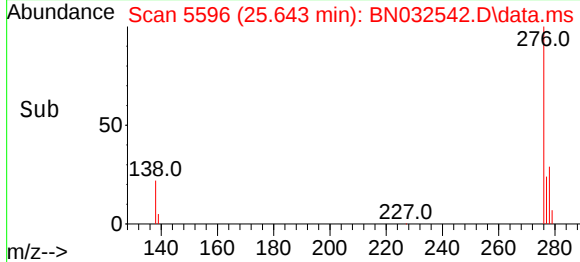


Tgt Ion: 278 Resp: 7604
 Ion Ratio Lower Upper
 278 100
 139 22.5 15.9 23.9
 279 27.8 21.1 31.7

Manual Integrations

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Reviewed By : Yogesh Patel 07/08/2024
 Supervised By : mohammad ahmed 07/08/2024



#29
 Benzo(g,h,i)perylene
 Concen: 0.258 ng/ul
 RT: 26.327 min Scan# 5800
 Delta R.T. -0.017 min
 Lab File: BN032542.D
 Acq: 06 Jul 2024 12:24

Tgt Ion: 276 Resp: 28060
 Ion Ratio Lower Upper
 276 100
 138 30.9 19.8 29.6#
 277 31.8 19.8 29.6#

