

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032846.D
 Acq On : 19 Jul 2024 18:13
 Operator : MA/JU
 Sample : P3178-18MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BT2MS

Manual Integrations
 APPROVED

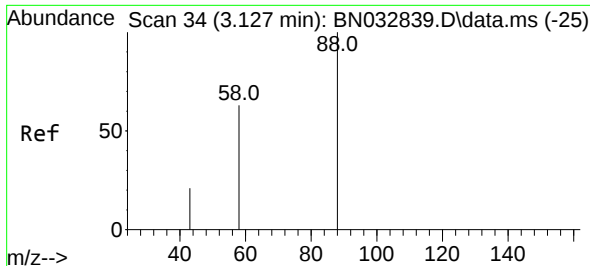
Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 23:19:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 17 02:35:25 2024
 Response via : Initial Calibration

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

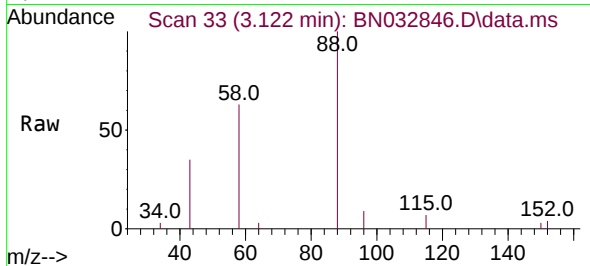
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.536	152	3462	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.305	136	11210	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.184	164	5935	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.948	188	10602	0.400	ng/ul	-0.02
17) Chrysene-d12	21.162	240	9445	0.400	ng/ul	#-0.01
23) Perylene-d12	23.357	264	11836	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.093	96	1743	0.419	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.905	152	4325	0.255	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	7783	0.253	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.122	88	4747	1.003	ng/ul	89
5) Naphthalene	10.354	128	16801	0.558	ng/ul	99
7) 2-Methylnaphthalene	11.982	142	7154	0.381	ng/ul	98
8) 1-Methylnaphthalene	12.202	142	6357	0.327	ng/ul	99
10) Acenaphthylene	13.906	152	7470	0.312	ng/ul	98
11) Acenaphthene	14.248	153	10746	0.542	ng/ul	99
12) Fluorene	15.248	166	11845	0.523	ng/ul	99
14) Pentachlorophenol	16.632	266	976	0.525	ng/ul	97
15) Phenanthrene	16.991	178	95787	3.317	ng/ul	99
16) Anthracene	17.084	178	20182	0.856	ng/ul	98
19) Fluoranthene	19.017	202	102245	2.663	ng/ul	99
20) Pyrene	19.385	202	84059	2.115	ng/ul	98
21) Benzo(a)anthracene	21.147	228	43061	1.432	ng/ul	98
22) Chrysene	21.200	228	41506	0.954	ng/ul	97
24) Benzo(b)fluoranthene	22.702	252	46312m	1.109	ng/ul	
25) Benzo(k)fluoranthene	22.740	252	26009m	0.511	ng/ul	
26) Benzo(a)pyrene	23.263	252	36630	1.014	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.569	276	29921	0.611	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.566	278	13356	0.352	ng/ul#	83
29) Benzo(g,h,i)perylene	26.246	276	25809	0.631	ng/ul	95

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



#2
1,4-Dioxane
Concen: 1.003 ng/ul
RT: 3.122 min Scan# 31
Delta R.T. -0.013 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

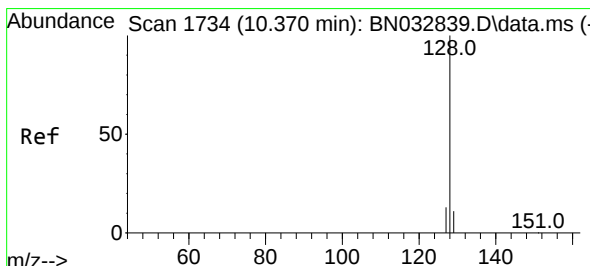
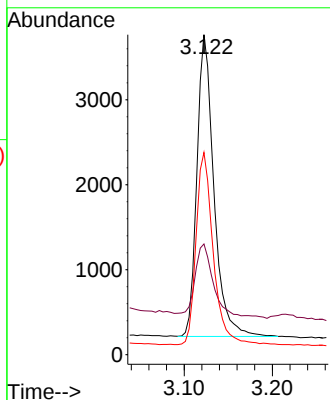
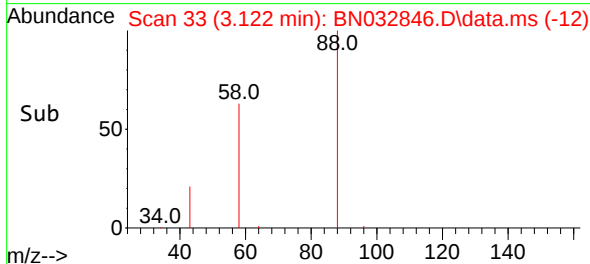
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion: 88 Resp: 474
Ion Ratio Lower Upper
88 100
43 34.6 24.0 36.0
58 63.2 43.3 64.9

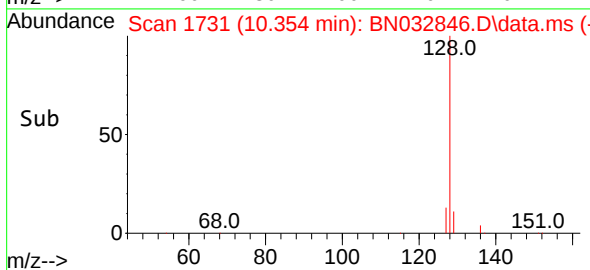
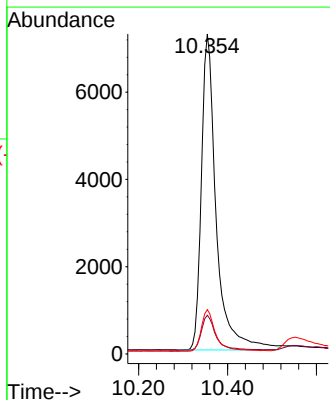
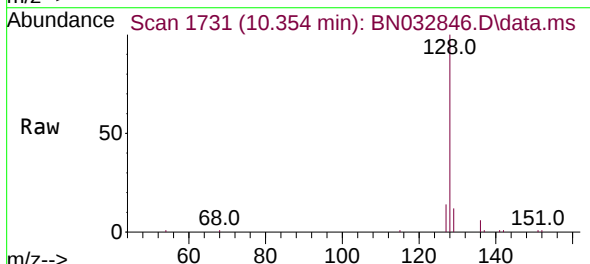
Manual Integrations
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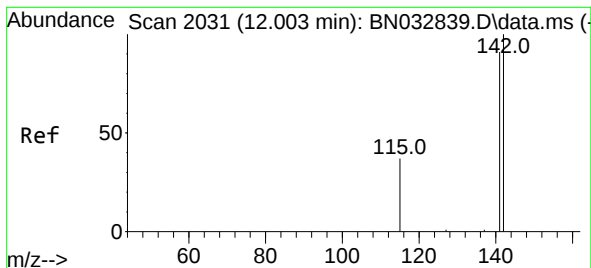
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#5
Naphthalene
Concen: 0.558 ng/ul
RT: 10.354 min Scan# 1731
Delta R.T. -0.017 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

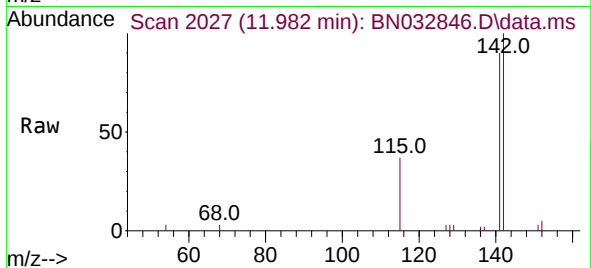
Tgt Ion:128 Resp: 16801
Ion Ratio Lower Upper
128 100
129 12.1 10.0 15.0
127 13.9 11.6 17.4





#7
2-Methylnaphthalene
Concen: 0.381 ng/ul
RT: 11.982 min Scan# 2067
Delta R.T. -0.022 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

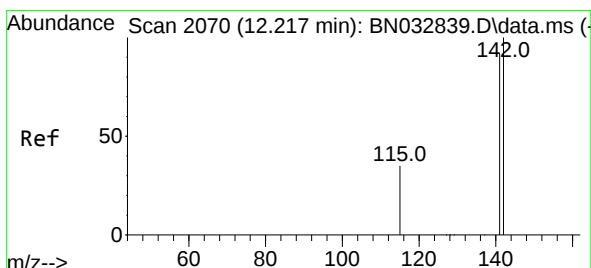
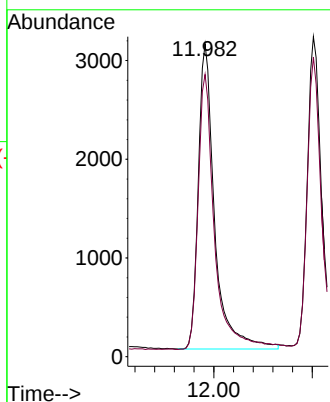
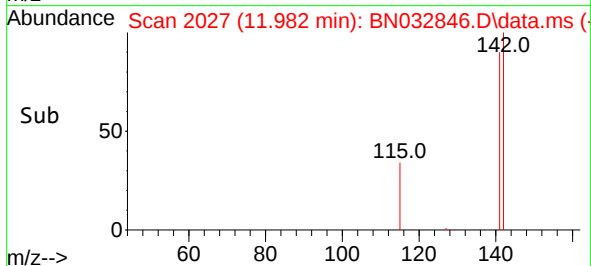
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



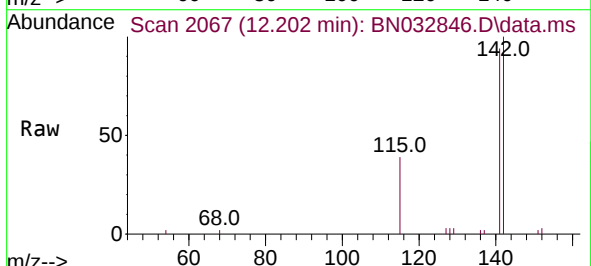
Tgt Ion:142 Resp: 7154
Ion Ratio Lower Upper
142 100
141 90.9 74.0 111.0

Manual Integrations
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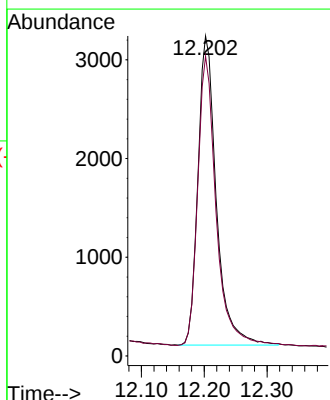
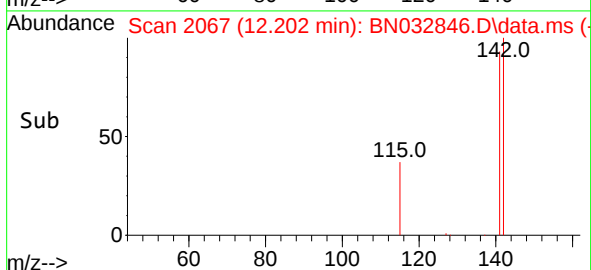
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

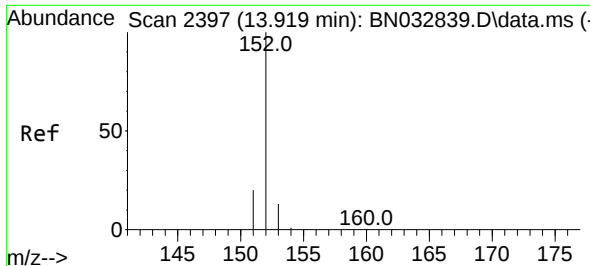


#8
1-Methylnaphthalene
Concen: 0.327 ng/ul
RT: 12.202 min Scan# 2067
Delta R.T. -0.017 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13



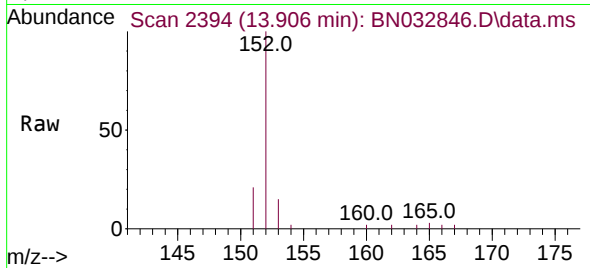
Tgt Ion:142 Resp: 6357
Ion Ratio Lower Upper
142 100
141 93.2 75.0 112.4





#10
Acenaphthylene
Concen: 0.312 ng/ul
RT: 13.906 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

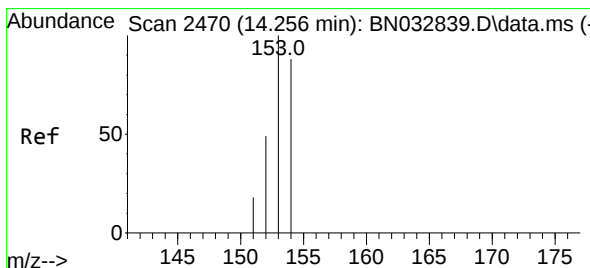
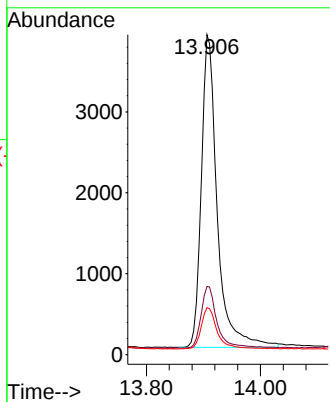
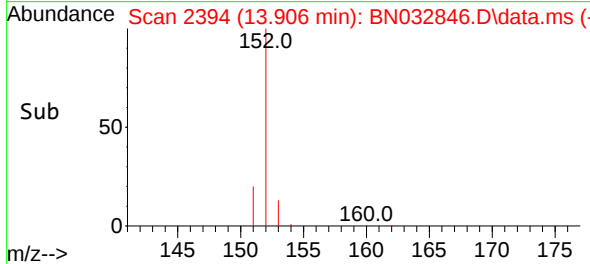
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
151 21.3 16.3 24.5
153 14.7 11.3 16.9

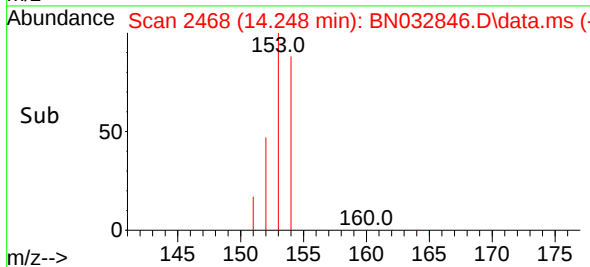
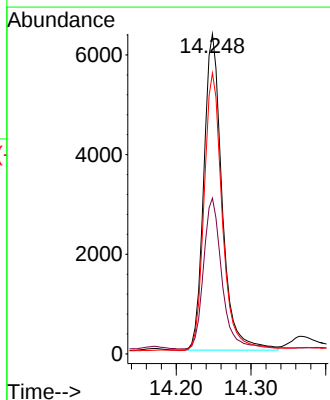
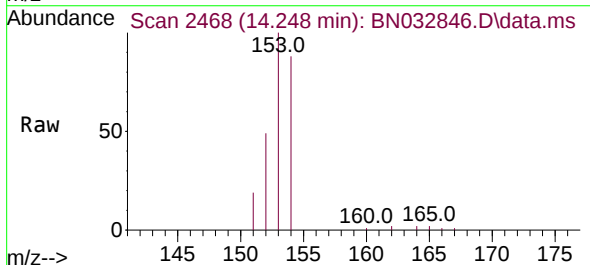
Manual Integrations
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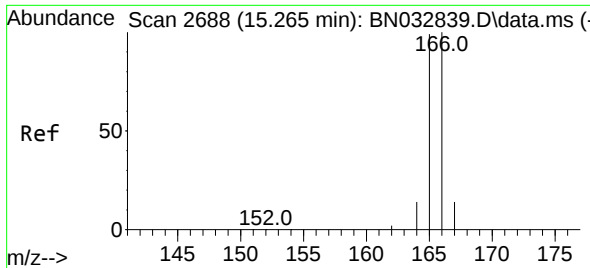
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#11
Acenaphthene
Concen: 0.542 ng/ul
RT: 14.248 min Scan# 2468
Delta R.T. -0.009 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

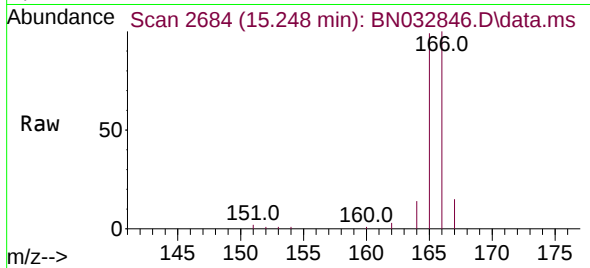
Tgt Ion:153 Resp: 10746
Ion Ratio Lower Upper
153 100
152 48.7 40.0 60.0
154 87.8 70.2 105.4





#12
Fluorene
Concen: 0.523 ng/ul
RT: 15.248 min Scan# 2184
Delta R.T. -0.019 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

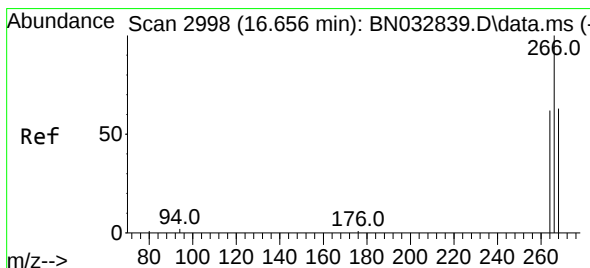
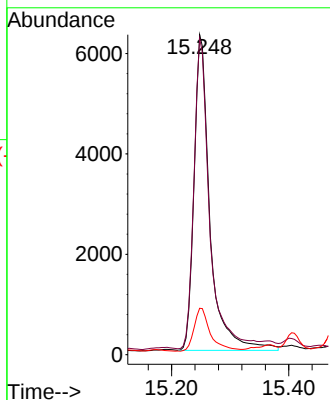
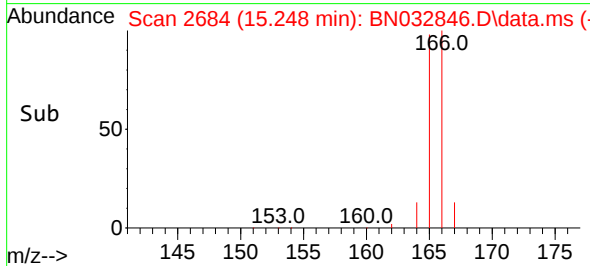
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:166 Resp: 1184
Ion Ratio Lower Upper
166 100
165 98.9 79.7 119.5
167 14.5 11.4 17.2

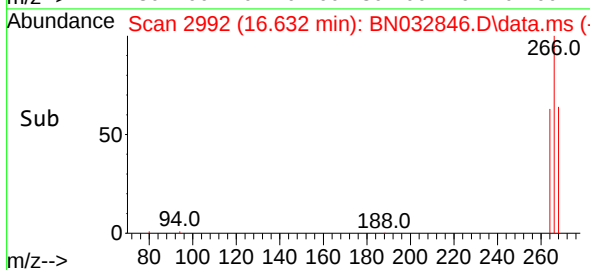
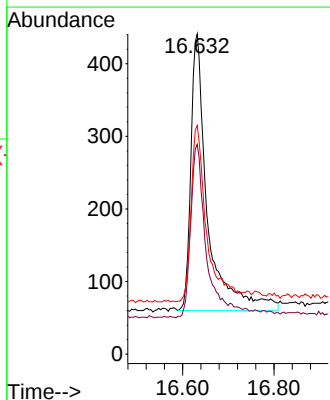
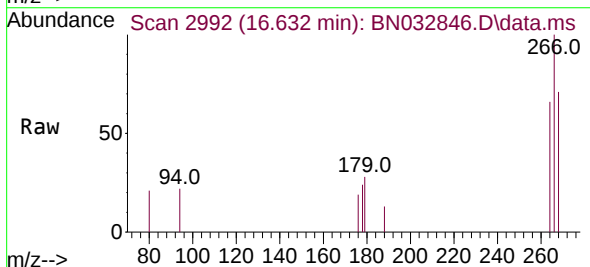
Manual Integrations
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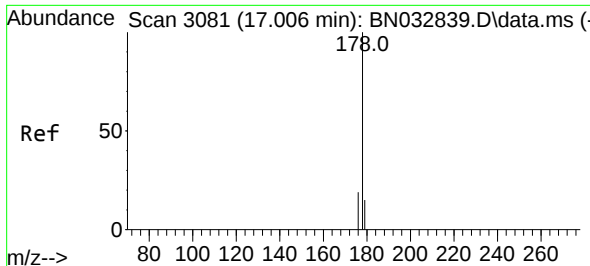
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#14
Pentachlorophenol
Concen: 0.525 ng/ul
RT: 16.632 min Scan# 2992
Delta R.T. -0.017 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

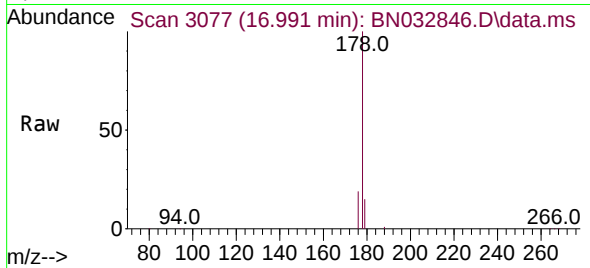
Tgt Ion:266 Resp: 976
Ion Ratio Lower Upper
266 100
264 63.0 49.4 74.2
268 61.1 51.6 77.4





#15
Phenanthrene
Concen: 3.317 ng/ul
RT: 16.991 min Scan# 3077
Delta R.T. -0.017 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

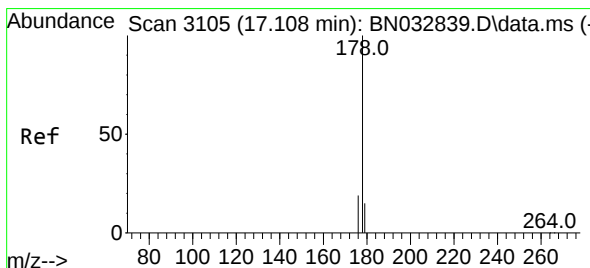
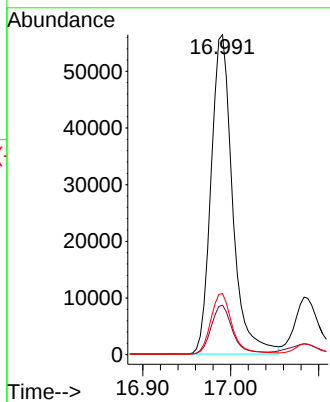
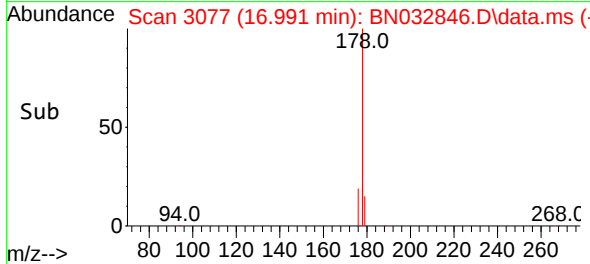
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:178 Resp: 9578
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.4
176 19.1 15.6 23.4

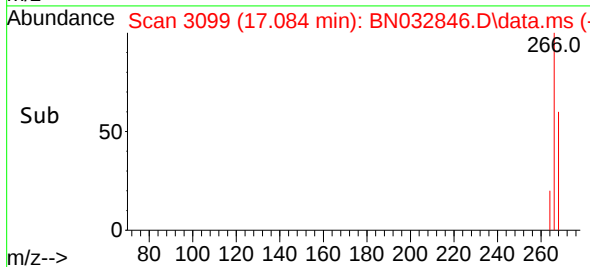
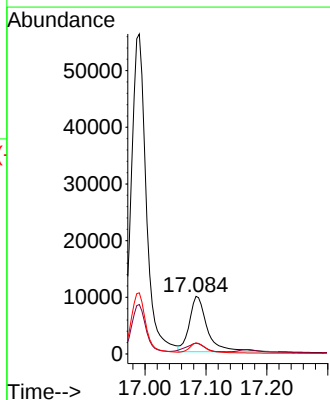
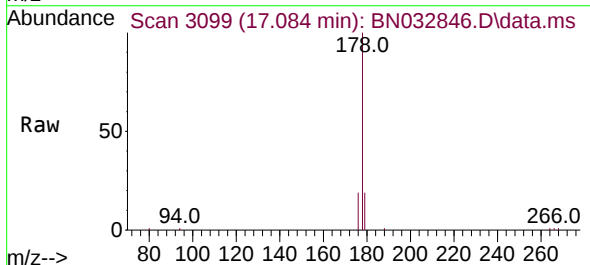
Manual Integrations
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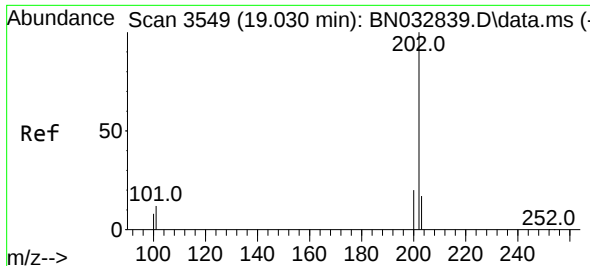
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#16
Anthracene
Concen: 0.856 ng/ul
RT: 17.084 min Scan# 3099
Delta R.T. -0.021 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

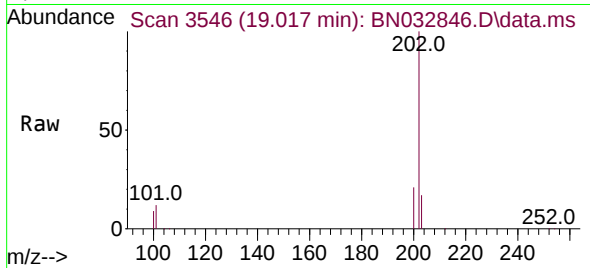
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Ion Ratio Lower Upper
178 100
179 18.6 13.4 20.2
176 19.2 15.4 23.0





#19
Fluoranthene
Concen: 2.663 ng/u1
RT: 19.017 min Scan# 3546
Delta R.T. -0.014 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

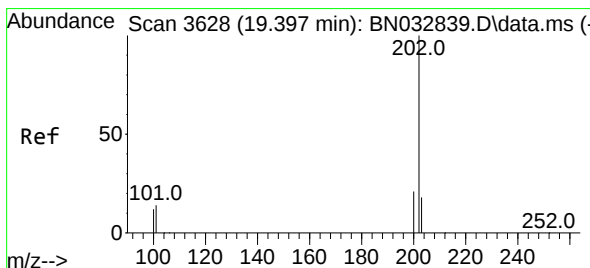
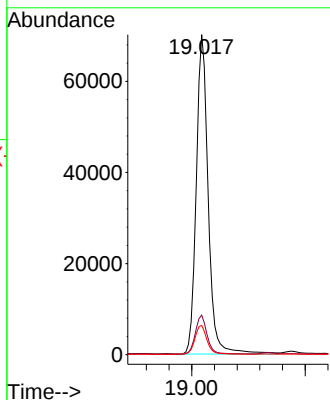
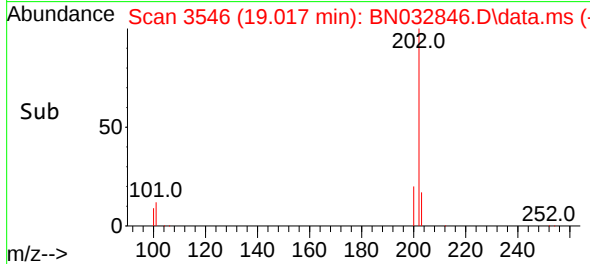
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:202 Resp: 102245
Ion Ratio Lower Upper
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101 12.3 9.8 14.8
100 9.2 7.9 11.9

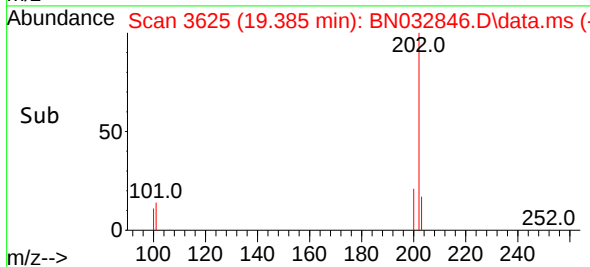
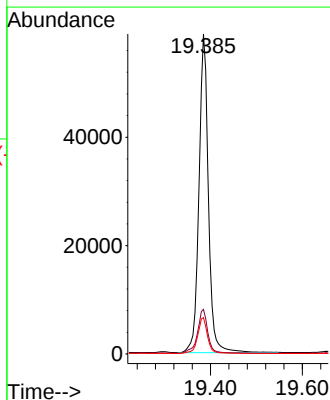
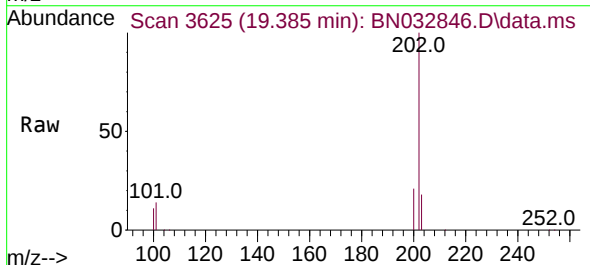
Manual Integrations
APPROVED

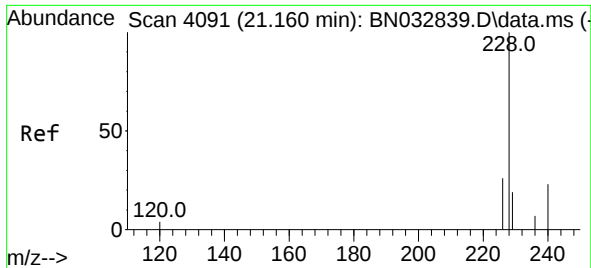
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#20
Pyrene
Concen: 2.115 ng/u1
RT: 19.385 min Scan# 3625
Delta R.T. -0.014 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

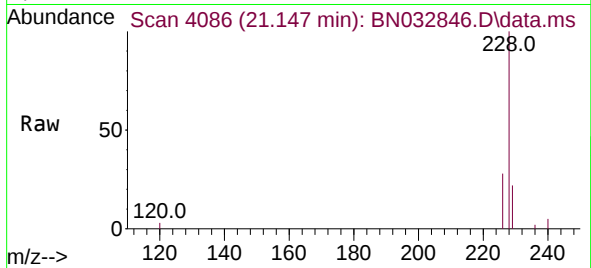
Tgt Ion:202 Resp: 84059
Ion Ratio Lower Upper
202 100
101 14.0 11.8 17.6
100 11.3 9.6 14.4





#21
Benzo(a)anthracene
Concen: 1.432 ng/ul
RT: 21.147 min Scan# 4086
Delta R.T. -0.012 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

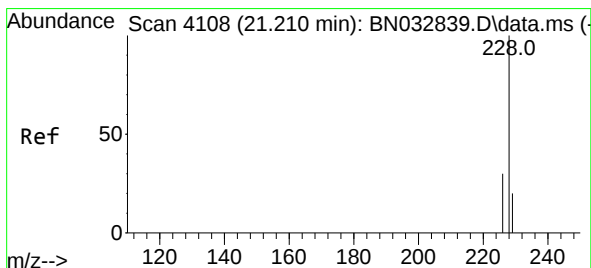
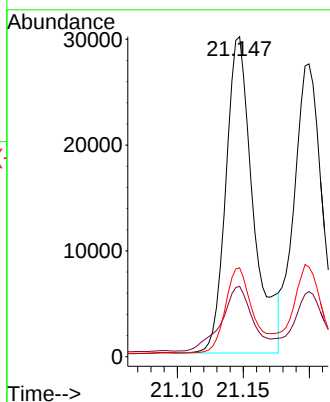
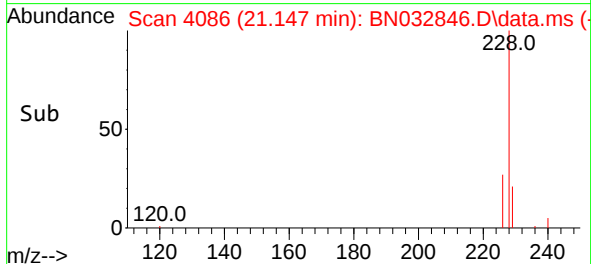
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



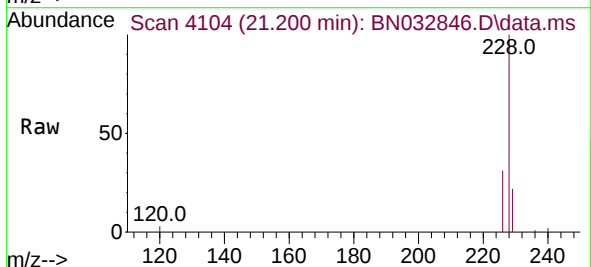
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Ion Ratio Lower Upper
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229 22.0 16.1 24.1
226 27.8 21.9 32.9

Manual Integrations
APPROVED

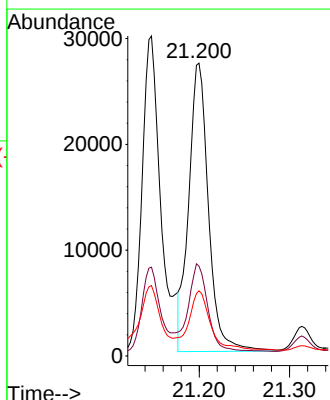
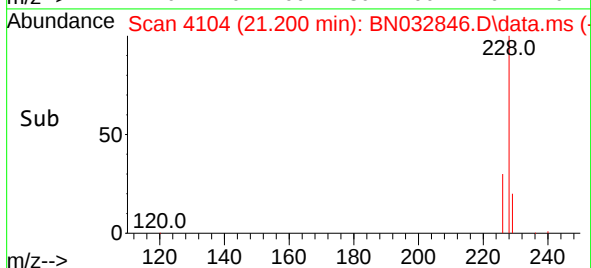
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

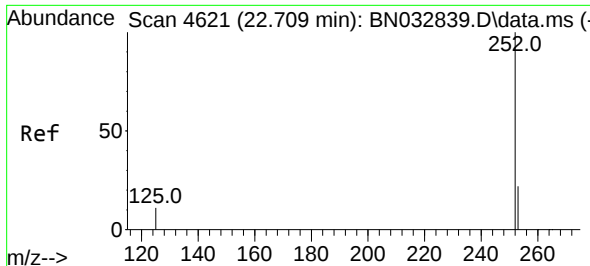


#22
Chrysene
Concen: 0.954 ng/ul
RT: 21.200 min Scan# 4104
Delta R.T. -0.012 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13



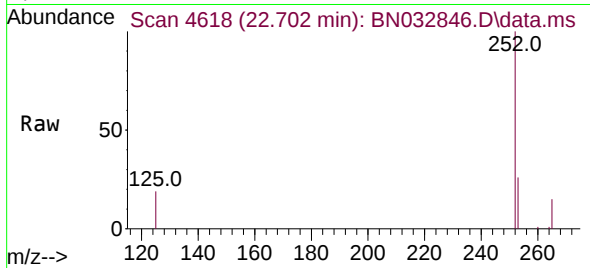
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Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.2 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.109 ng/ul m
RT: 22.702 min Scan# 4631
Delta R.T. -0.009 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

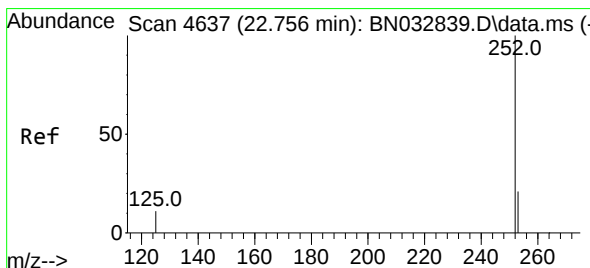
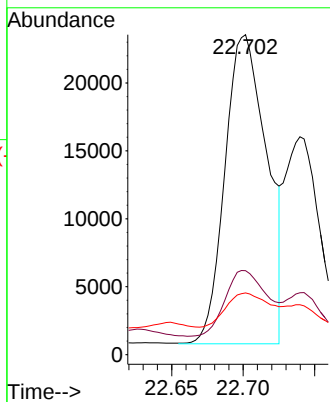
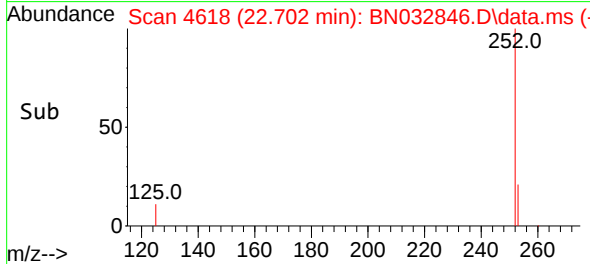
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:252 Resp: 4631
Ion Ratio Lower Upper
252 100
253 26.3 0.0 54.0
125 19.3 0.0 36.0

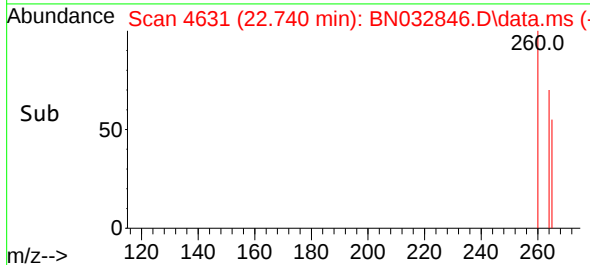
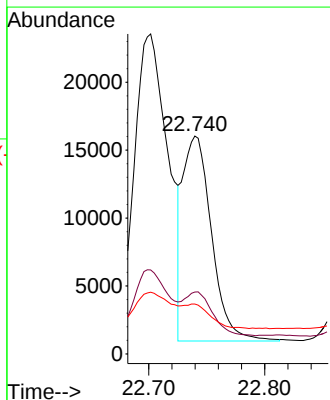
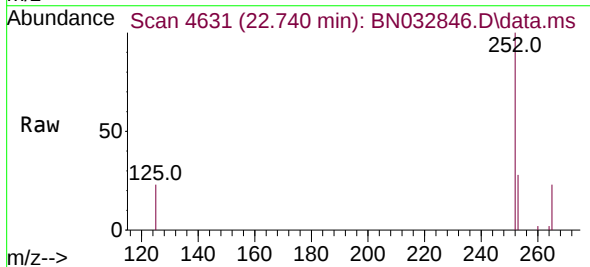
Manual Integrations
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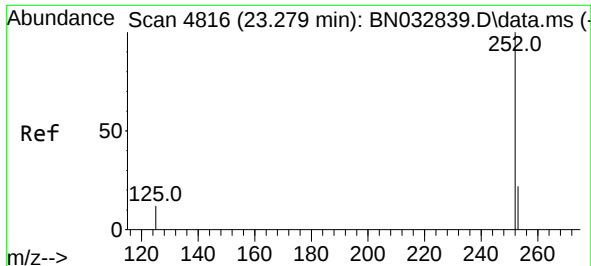
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#25
Benzo(k)fluoranthene
Concen: 0.511 ng/ul m
RT: 22.740 min Scan# 4631
Delta R.T. -0.015 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

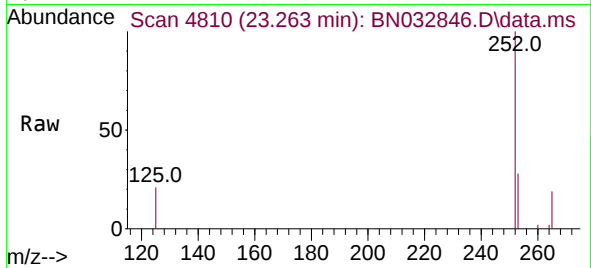
Tgt Ion:252 Resp: 26009
Ion Ratio Lower Upper
252 100
253 28.4 21.2 31.8
125 22.9 14.8 22.2#





#26
Benzo(a)pyrene
Concen: 1.014 ng/ul
RT: 23.263 min Scan# 4810
Delta R.T. -0.015 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

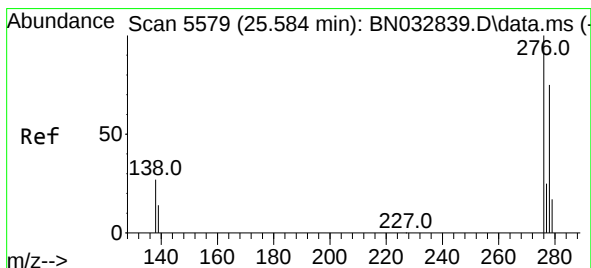
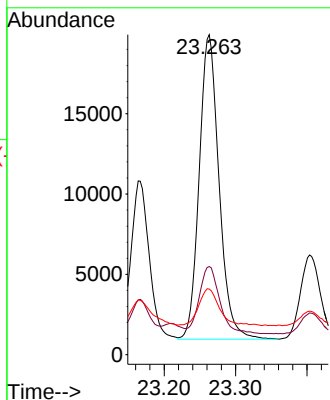
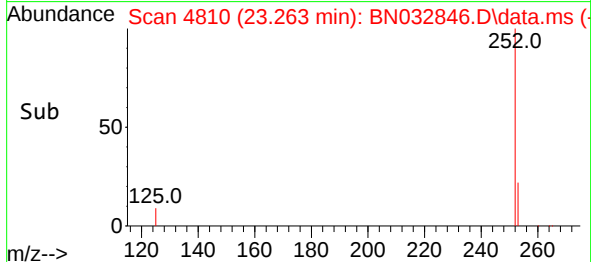
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:252 Resp: 36630
Ion Ratio Lower Upper
252 100
253 27.6 25.4 38.0
125 20.5 20.6 30.8

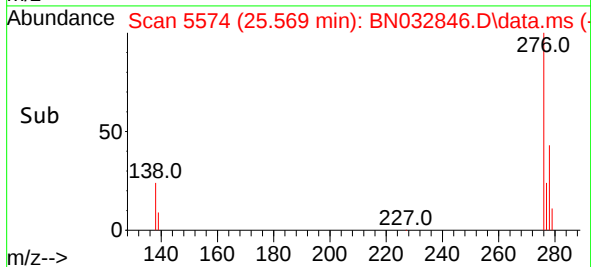
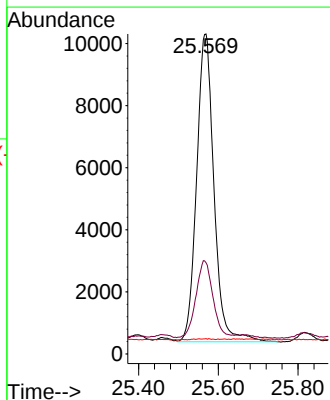
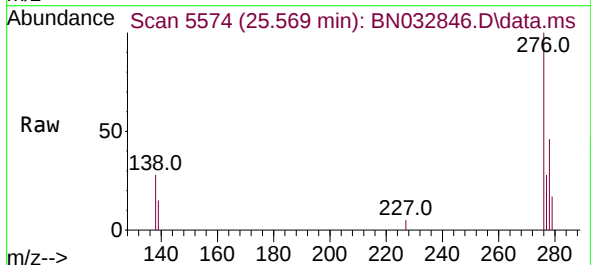
Manual Integrations
APPROVED

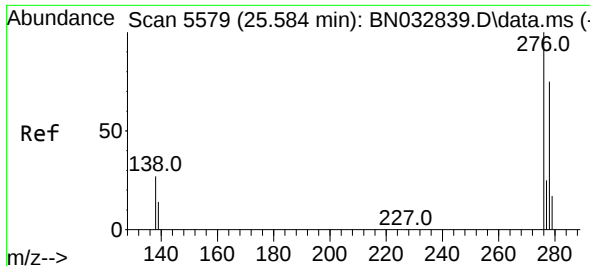
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.611 ng/ul
RT: 25.569 min Scan# 5574
Delta R.T. -0.014 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

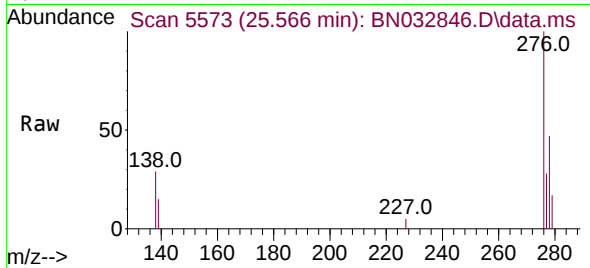
Tgt Ion:276 Resp: 29921
Ion Ratio Lower Upper
276 100
138 24.7 21.6 32.4
227 0.2 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.352 ng/ul
RT: 25.566 min Scan# 51
Delta R.T. -0.024 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

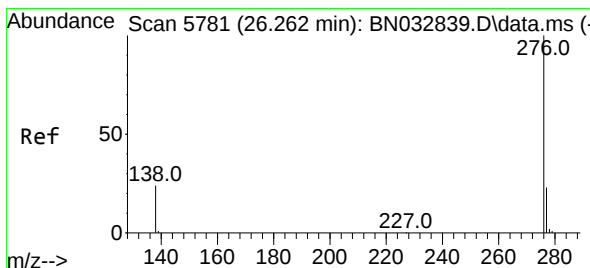
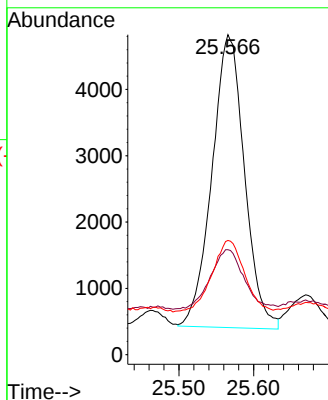
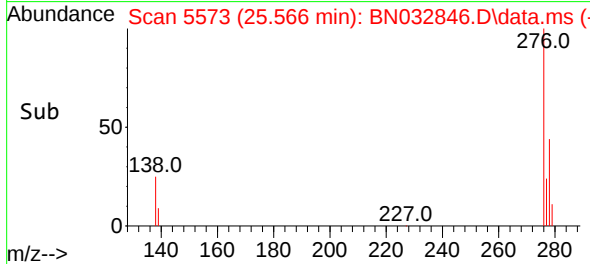
Instrument :
BNA_N
ClientSampleId :
A4BT2MS



Tgt Ion:278 Resp: 13350
Ion Ratio Lower Upper
278 100
139 32.8 16.6 24.8
279 35.7 23.7 35.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#29
Benzo(g,h,i)perylene
Concen: 0.631 ng/ul
RT: 26.246 min Scan# 5776
Delta R.T. -0.014 min
Lab File: BN032846.D
Acq: 19 Jul 2024 18:13

Tgt Ion:276 Resp: 25809
Ion Ratio Lower Upper
276 100
138 28.3 21.0 31.4
277 28.5 20.6 31.0

