

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032848.D
 Acq On : 19 Jul 2024 19:25
 Operator : MA/JU
 Sample : P3178-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BT3

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 23:20:06 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	7.532	152	3803	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.299	136	11383	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.184	164	6240	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.940	188	10874m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.159	240	9409m	0.400	ng/ul	-0.01
23) Perylene-d12	23.354	264	9938m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	12750	2.792	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.905	152	3353	0.195	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	6105	0.199	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.349	128	13182	0.431	ng/ul	98
7) 2-Methylnaphthalene	11.982	142	4257	0.223	ng/ul	97
8) 1-Methylnaphthalene	12.202	142	2674	0.136	ng/ul	99
10) Acenaphthylene	13.901	152	1183	0.047	ng/ul#	71
11) Acenaphthene	14.244	153	14418	0.692	ng/ul	98
12) Fluorene	15.243	166	14842	0.623	ng/ul	98
15) Phenanthrene	16.982	178	144902m	4.893	ng/ul	
16) Anthracene	17.075	178	25905m	1.071	ng/ul	
19) Fluoranthene	19.013	202	144853	3.787	ng/ul	99
20) Pyrene	19.380	202	114811	2.899	ng/ul	98
21) Benzo(a)anthracene	21.144	228	58888	1.966	ng/ul	99
22) Chrysene	21.197	228	48938	1.130	ng/ul	97
24) Benzo(b)fluoranthene	22.696	252	64480m	1.839	ng/ul	
25) Benzo(k)fluoranthene	22.737	252	24524m	0.574	ng/ul	
26) Benzo(a)pyrene	23.254	252	47714	1.572	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	25.562	276	32679	0.795	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.556	278	7895	0.248	ng/ul#	65
29) Benzo(g,h,i)perylene	26.243	276	31294	0.911	ng/ul	97

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

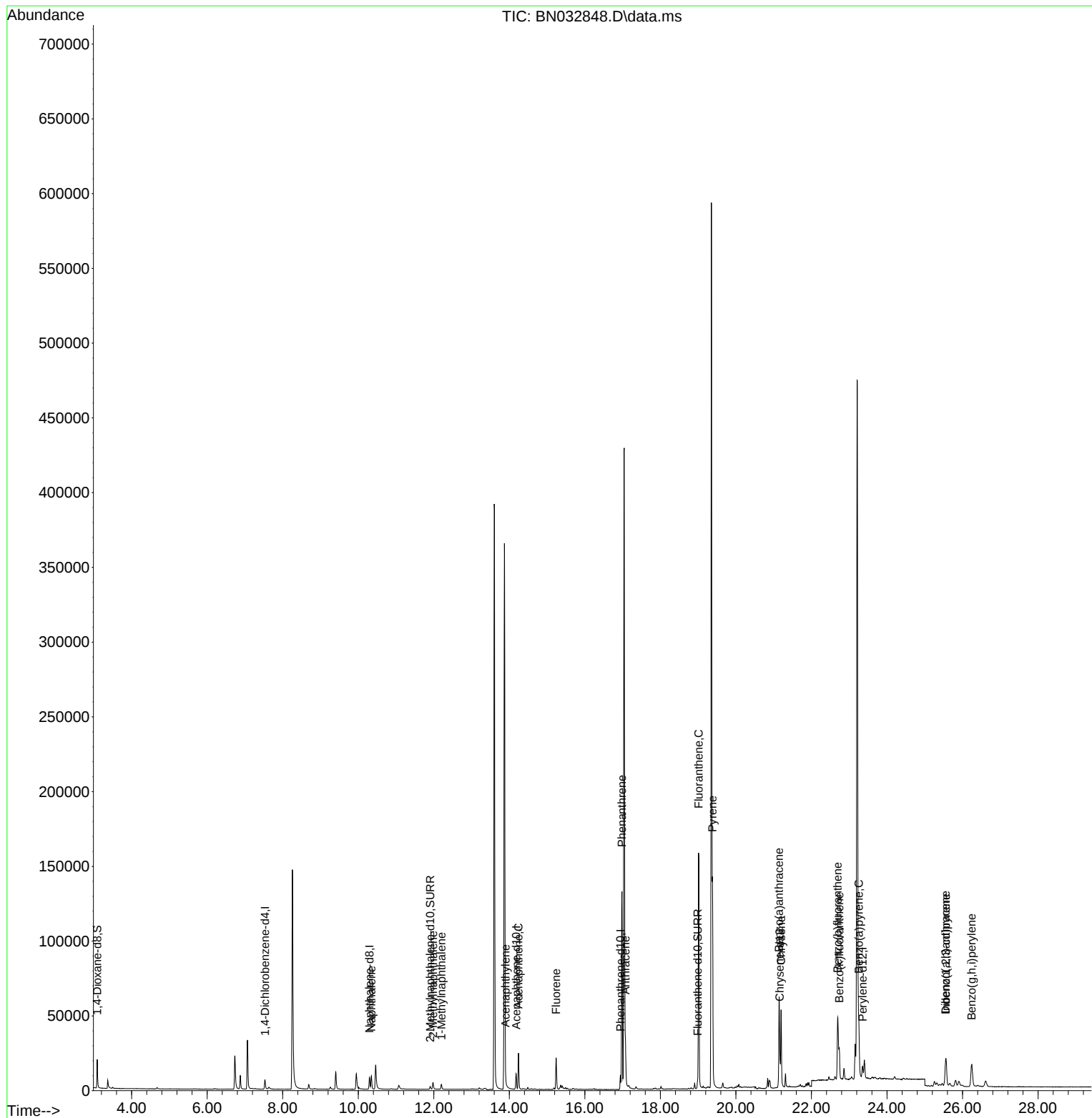
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032848.D
Acq On : 19 Jul 2024 19:25
Operator : MA/JU
Sample : P3178-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

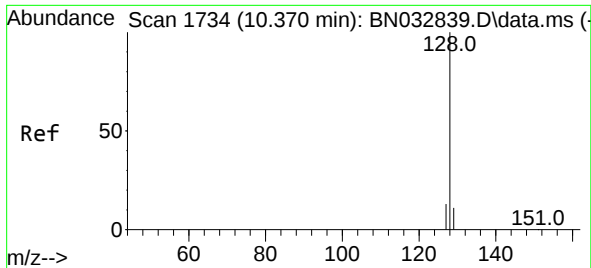
Instrument :
BNA_N
ClientSampleId :
A4BT3

Manual Integrations
APPROVED

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

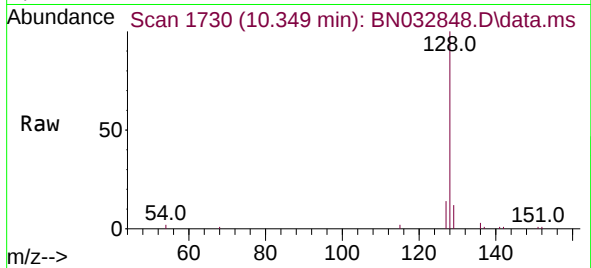
Quant Time: Jul 19 23:20:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.431 ng/ul
RT: 10.349 min Scan# 11
Delta R.T. -0.022 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

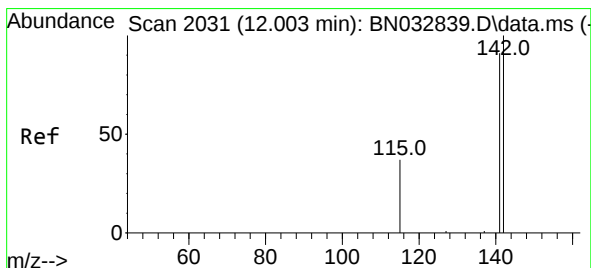
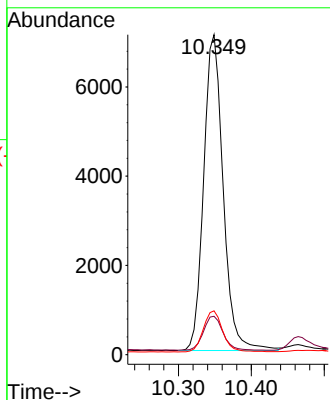
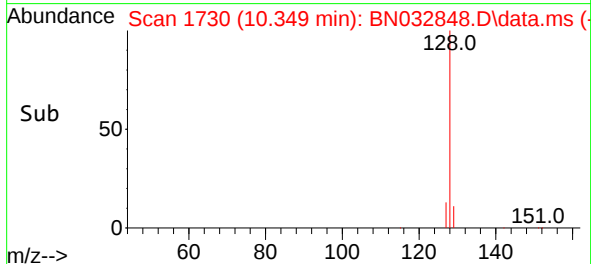
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:128 Resp: 1318
Ion Ratio Lower Upper
128 100
129 12.0 10.0 15.0
127 13.7 11.6 17.4

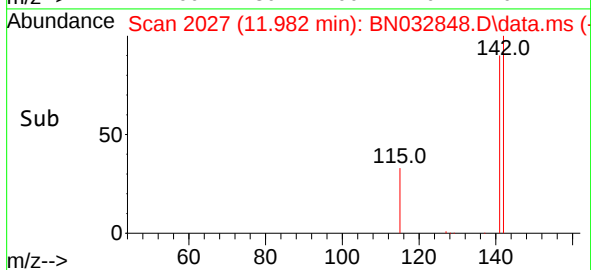
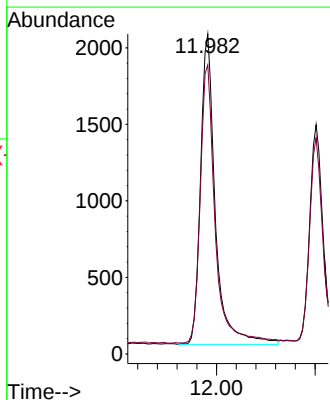
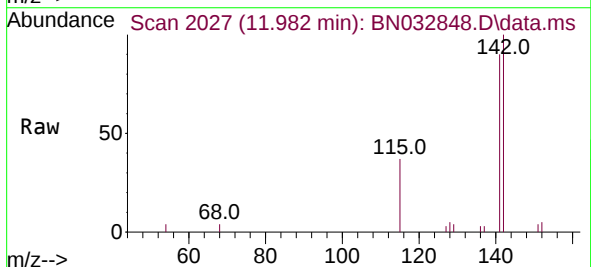
Manual Integrations
APPROVED

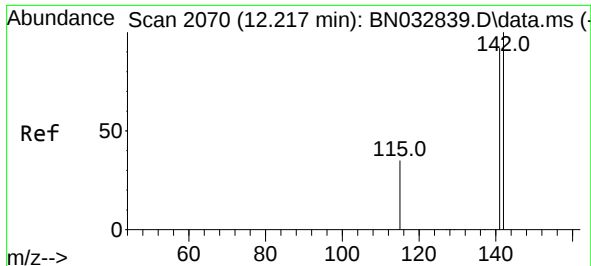
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#7
2-Methylnaphthalene
Concen: 0.223 ng/ul
RT: 11.982 min Scan# 2027
Delta R.T. -0.022 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

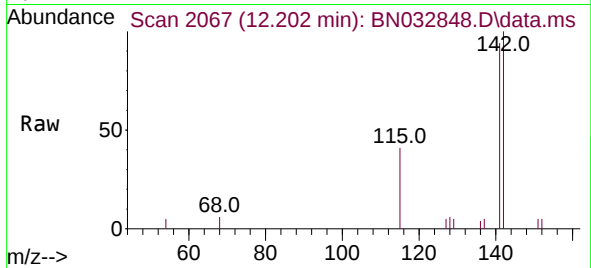
Tgt Ion:142 Resp: 4257
Ion Ratio Lower Upper
142 100
141 89.6 74.0 111.0





#8
1-Methylnaphthalene
Concen: 0.136 ng/ul
RT: 12.202 min Scan# 2067
Delta R.T. -0.017 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

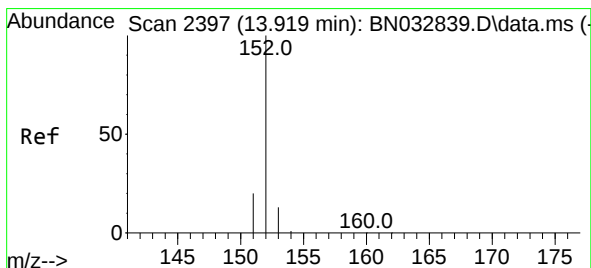
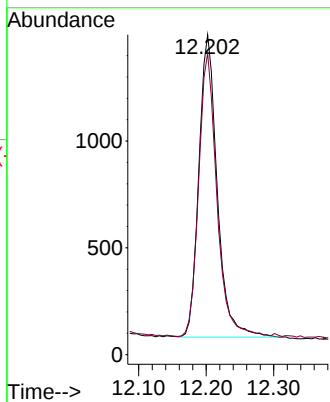
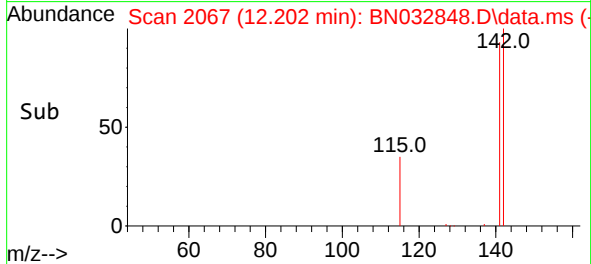
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:142 Resp: 2674
Ion Ratio Lower Upper
142 100
141 92.6 75.0 112.4

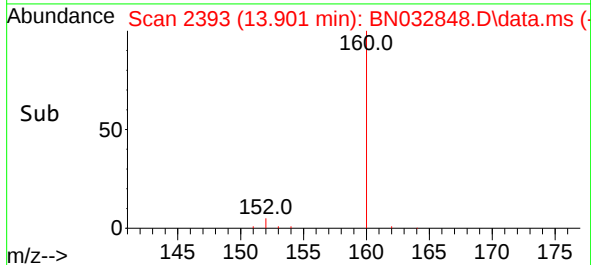
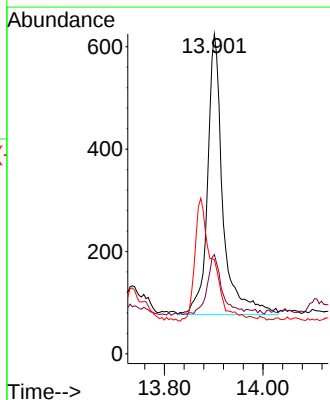
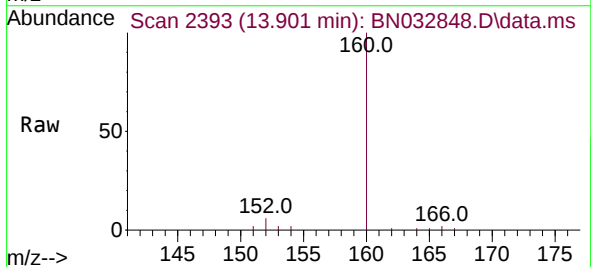
Manual Integrations
APPROVED

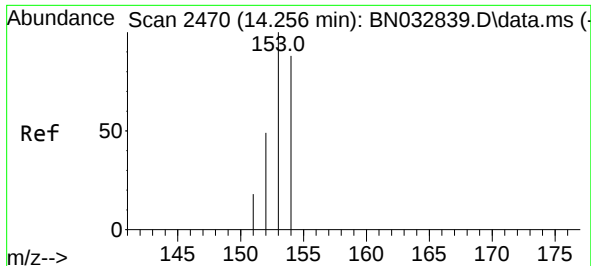
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#10
Acenaphthylene
Concen: 0.047 ng/ul
RT: 13.901 min Scan# 2393
Delta R.T. -0.019 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

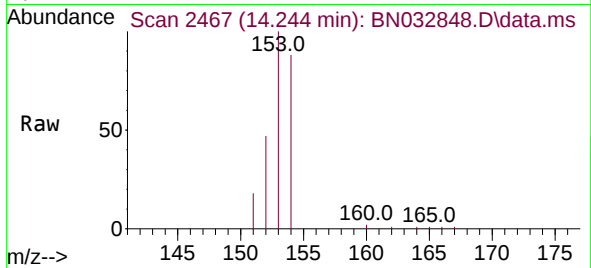
Tgt Ion:152 Resp: 1183
Ion Ratio Lower Upper
152 100
151 31.0 16.3 24.5#
153 29.4 11.3 16.9#





#11
Acenaphthene
Concen: 0.692 ng/ul
RT: 14.244 min Scan# 2467
Delta R.T. -0.014 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

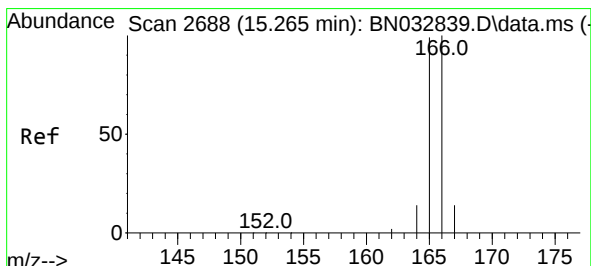
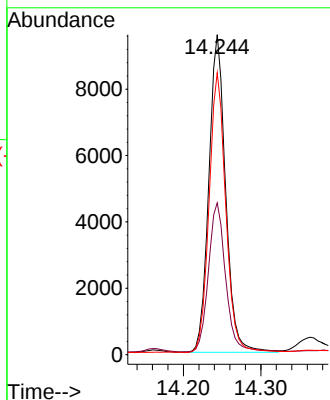
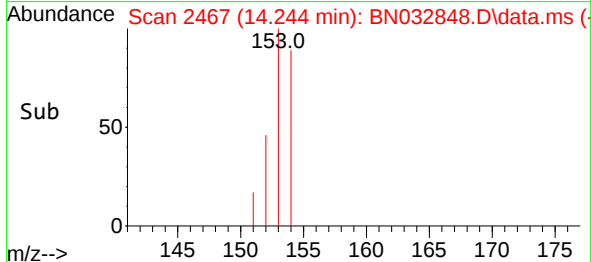
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:153 Resp: 14418
Ion Ratio Lower Upper
153 100
152 47.4 40.0 60.0
154 88.1 70.2 105.4

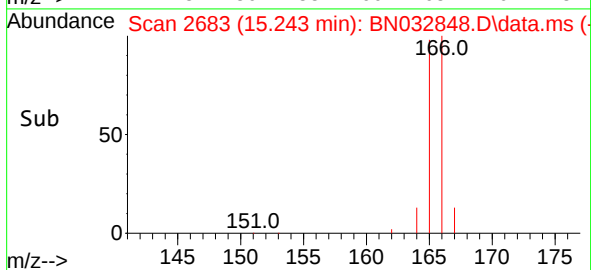
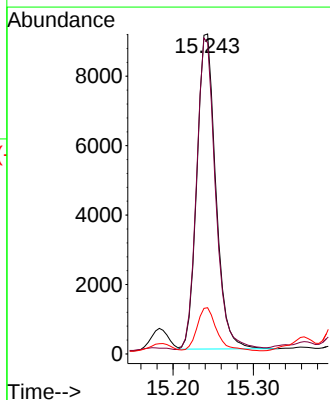
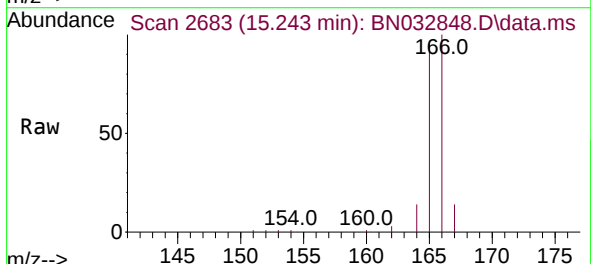
Manual Integrations
APPROVED

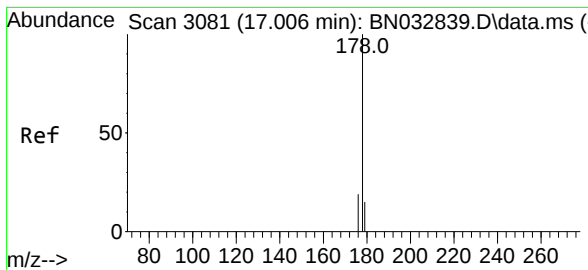
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#12
Fluorene
Concen: 0.623 ng/ul
RT: 15.243 min Scan# 2683
Delta R.T. -0.023 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

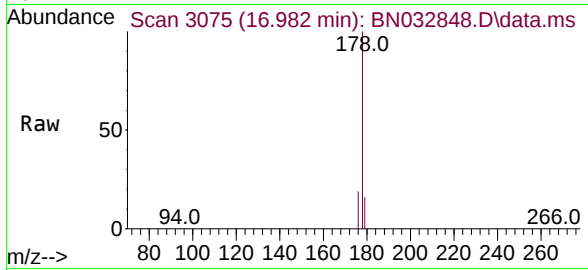
Tgt Ion:166 Resp: 14842
Ion Ratio Lower Upper
166 100
165 97.2 79.7 119.5
167 14.4 11.4 17.2





#15
Phenanthrene
Concen: 4.893 ng/ul m
RT: 16.982 min Scan# 3075
Delta R.T. -0.026 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

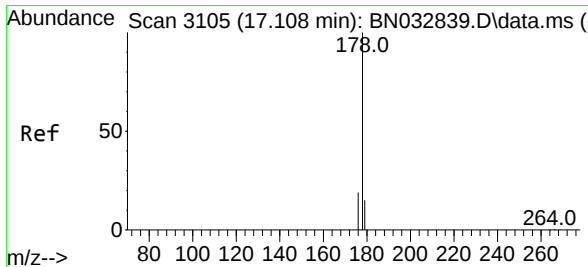
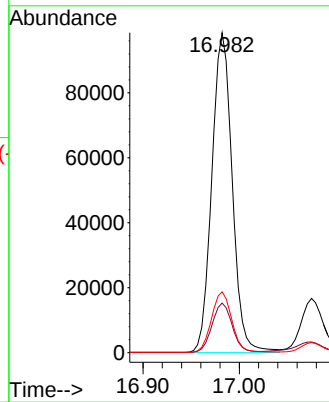
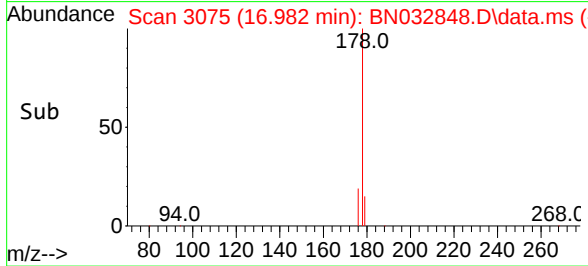
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:178 Resp: 144902
Ion Ratio Lower Upper
178 100
179 15.5 13.0 19.4
176 19.0 15.6 23.4

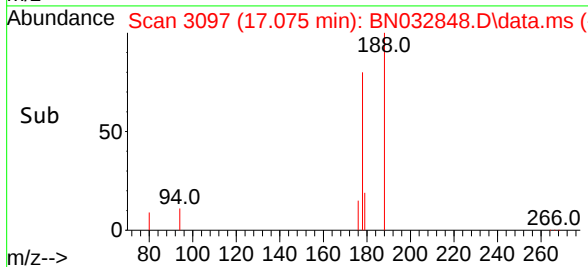
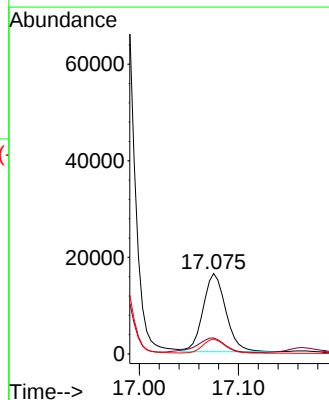
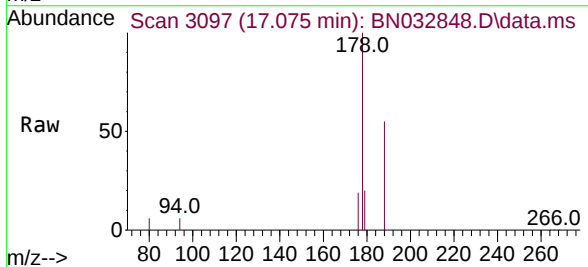
Manual Integrations
APPROVED

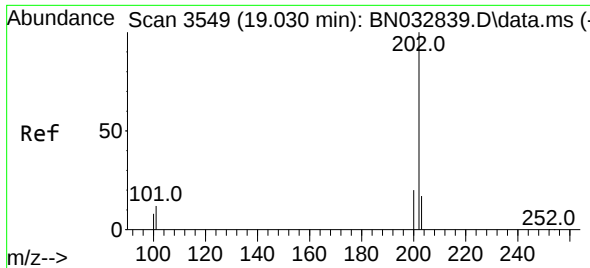
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#16
Anthracene
Concen: 1.071 ng/ul m
RT: 17.075 min Scan# 3097
Delta R.T. -0.030 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

Tgt Ion:178 Resp: 25905
Ion Ratio Lower Upper
178 100
179 19.9 13.4 20.2
176 18.5 15.4 23.0





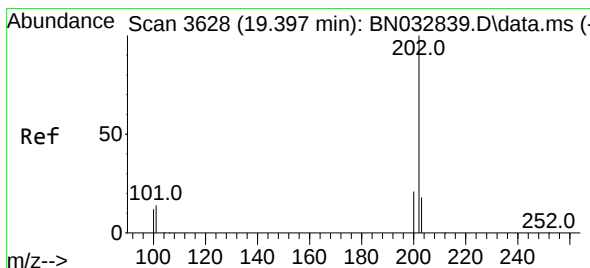
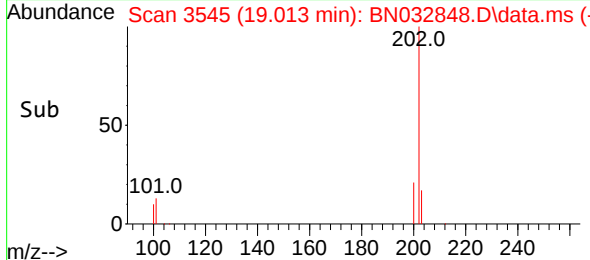
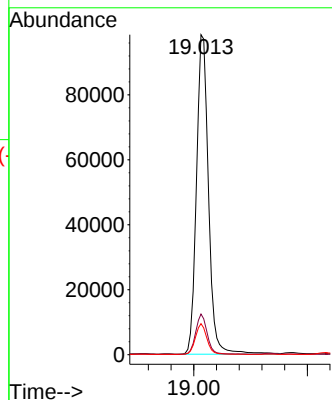
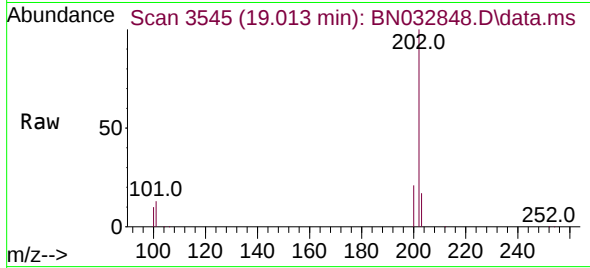
#19
Fluoranthene
Concen: 3.787 ng/u1
RT: 19.013 min Scan# 3545
Delta R.T. -0.019 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

Instrument :
BNA_N
ClientSampleId :
A4BT3

Tgt Ion:202 Resp: 14485
Ion Ratio Lower Upper
202 100
101 12.7 9.8 14.8
100 9.7 7.9 11.9

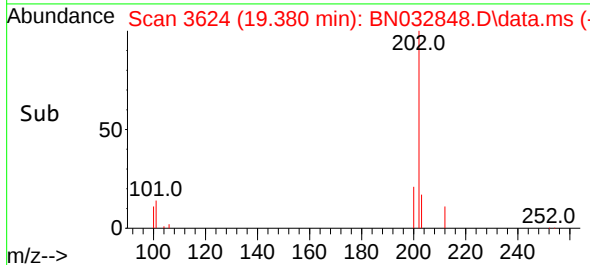
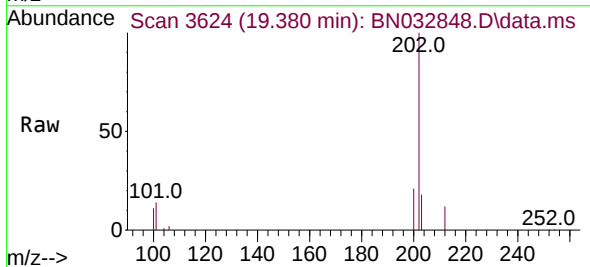
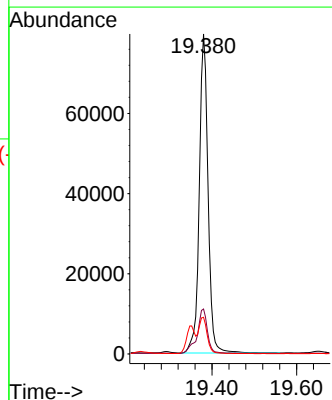
Manual Integrations
APPROVED

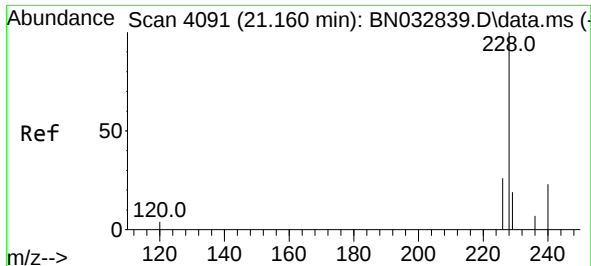
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#20
Pyrene
Concen: 2.899 ng/u1
RT: 19.380 min Scan# 3624
Delta R.T. -0.019 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

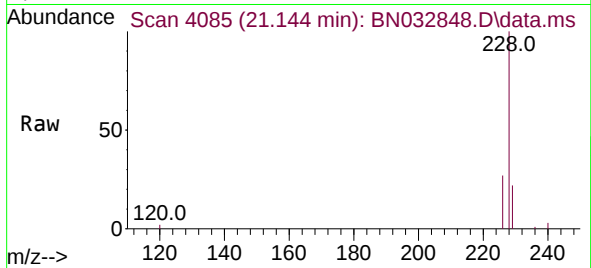
Tgt Ion:202 Resp: 114811
Ion Ratio Lower Upper
202 100
101 14.0 11.8 17.6
100 11.4 9.6 14.4





#21
Benzo(a)anthracene
Concen: 1.966 ng/uI
RT: 21.144 min Scan# 4091
Delta R.T. -0.015 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

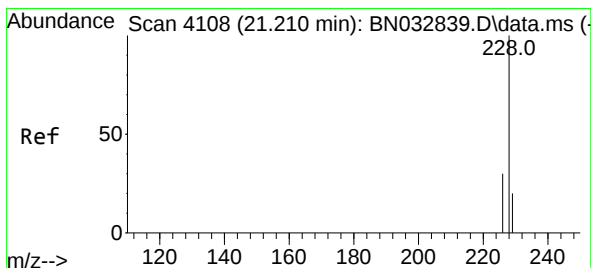
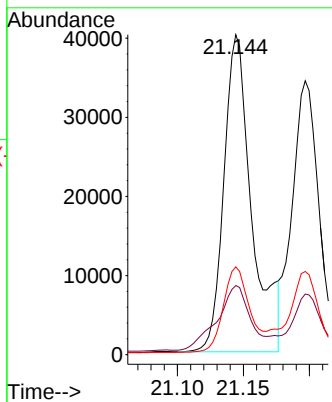
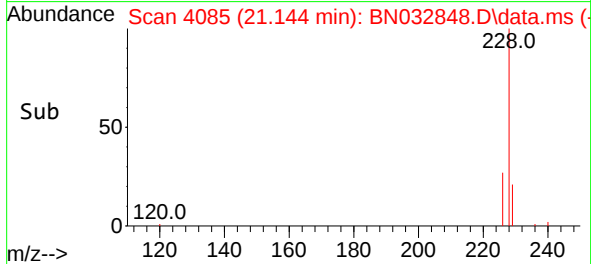
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:228 Resp: 5888
Ion Ratio Lower Upper
228 100
229 21.6 16.1 24.1
226 27.5 21.9 32.9

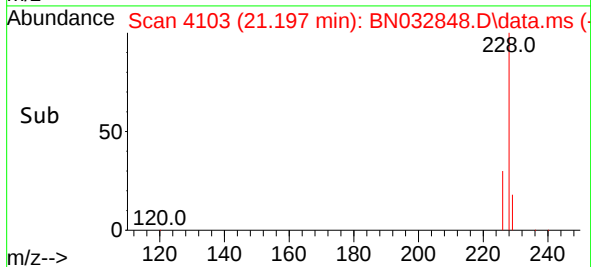
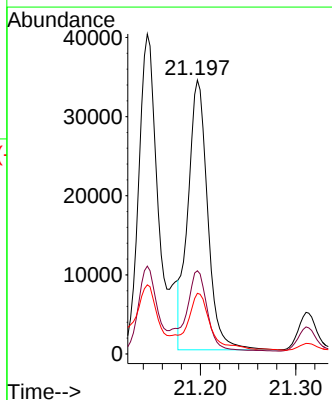
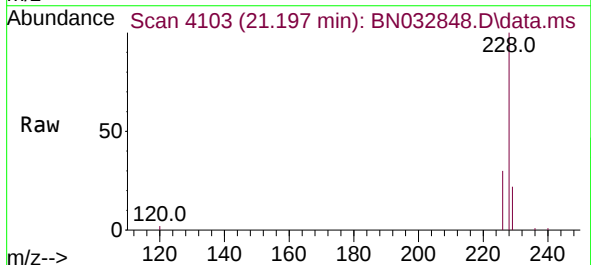
Manual Integrations
APPROVED

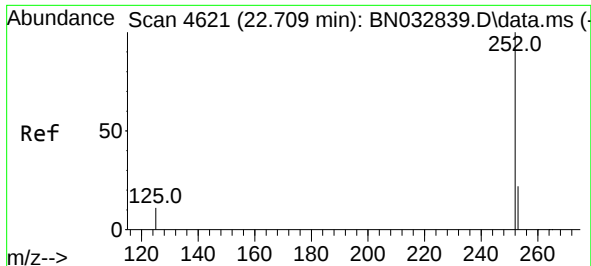
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#22
Chrysene
Concen: 1.130 ng/uI
RT: 21.197 min Scan# 4103
Delta R.T. -0.015 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

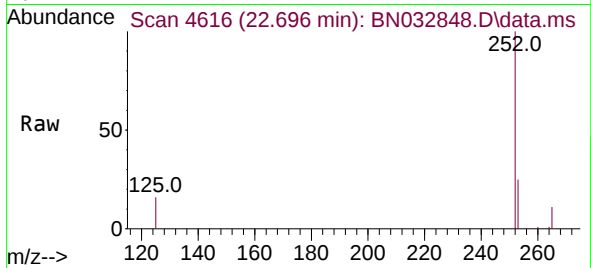
Tgt Ion:228 Resp: 48938
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.839 ng/ul m
RT: 22.696 min Scan# 4616
Delta R.T. -0.015 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

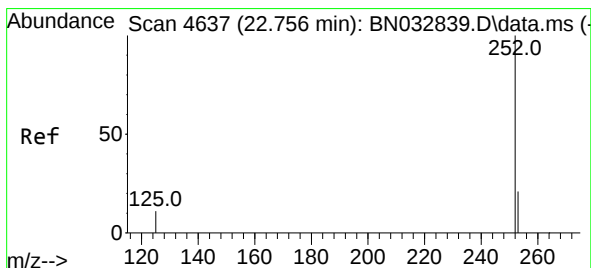
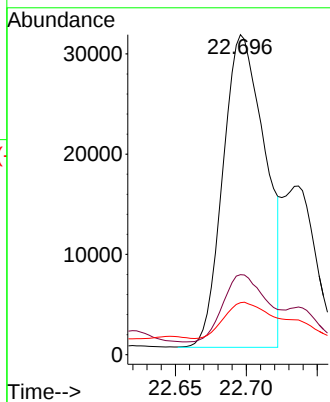
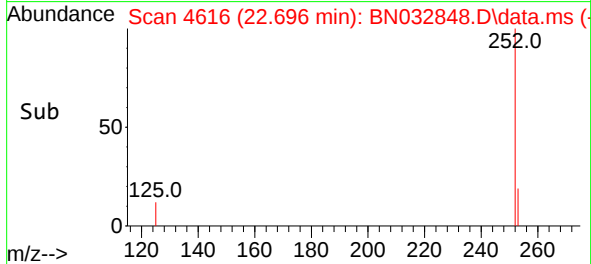
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:252 Resp: 64480
Ion Ratio Lower Upper
252 100
253 25.0 0.0 54.0
125 16.2 0.0 36.0

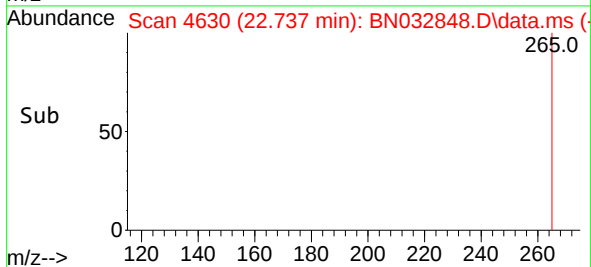
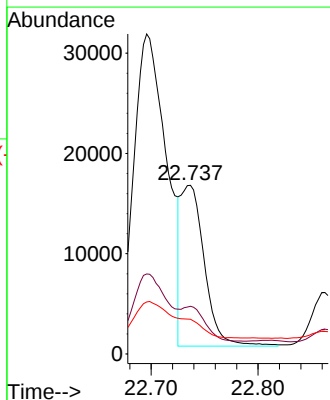
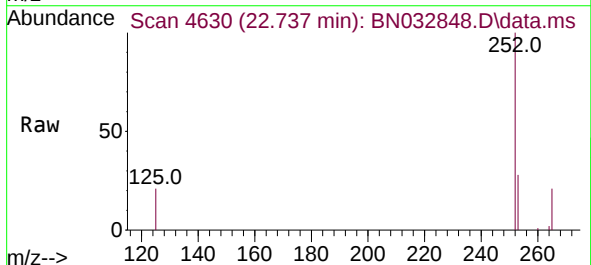
Manual Integrations
APPROVED

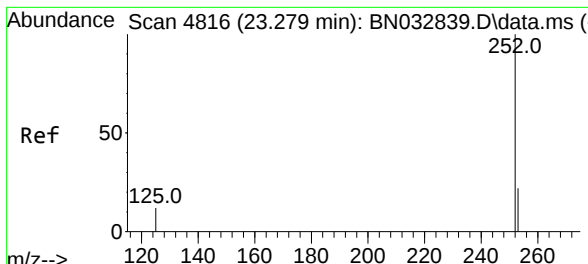
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#25
Benzo(k)fluoranthene
Concen: 0.574 ng/ul m
RT: 22.737 min Scan# 4630
Delta R.T. -0.018 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

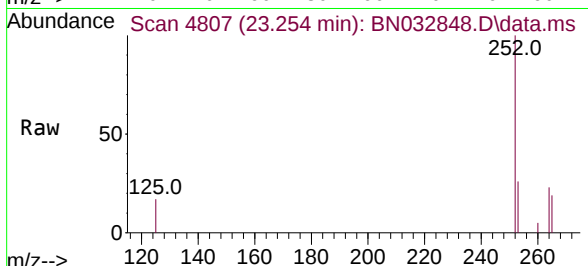
Tgt Ion:252 Resp: 24524
Ion Ratio Lower Upper
252 100
253 28.3 21.2 31.8
125 20.6 14.8 22.2





#26
Benzo(a)pyrene
Concen: 1.572 ng/ul
RT: 23.254 min Scan# 4816
Delta R.T. -0.024 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

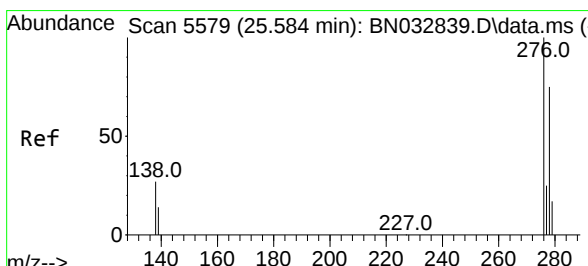
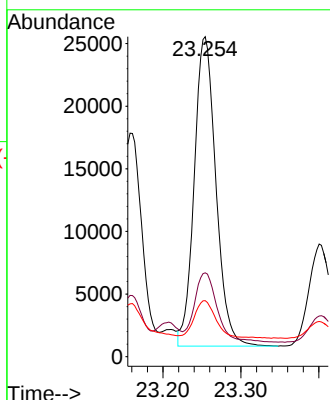
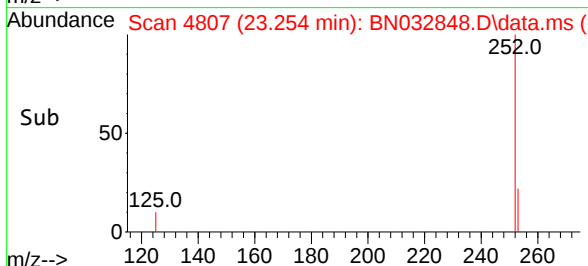
Instrument :
BNA_N
ClientSampleId :
A4BT3



Tgt Ion:252 Resp: 47714
Ion Ratio Lower Upper
252 100
253 26.2 25.4 38.0
125 17.5 20.6 30.8

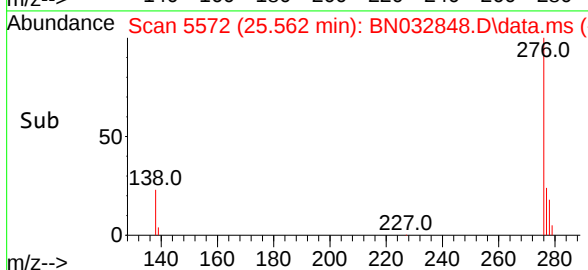
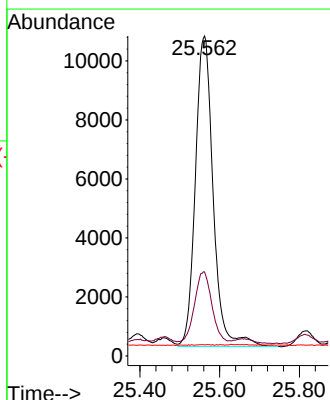
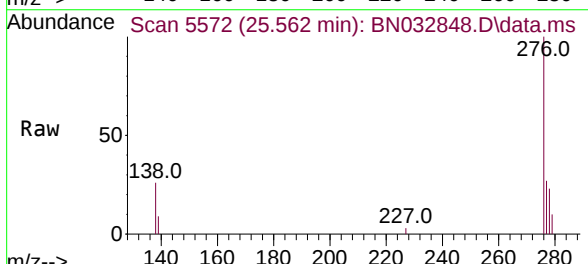
Manual Integrations
APPROVED

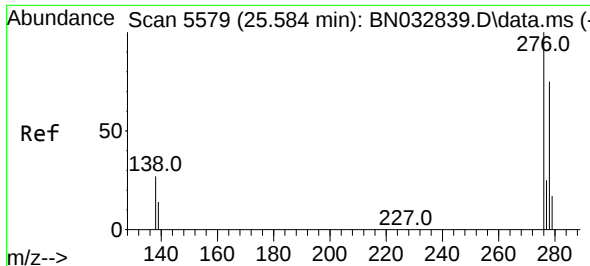
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.795 ng/ul
RT: 25.562 min Scan# 5572
Delta R.T. -0.020 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

Tgt Ion:276 Resp: 32679
Ion Ratio Lower Upper
276 100
138 22.1 21.6 32.4
227 0.1 0.0 0.0





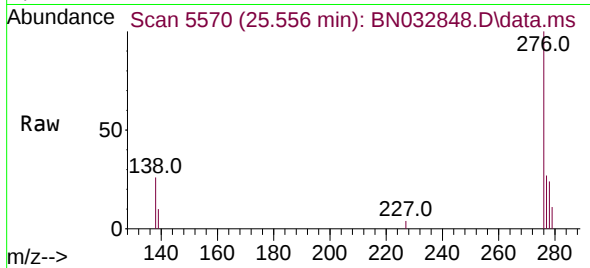
#28
Dibenzo(a,h)anthracene
Concen: 0.248 ng/ul
RT: 25.556 min Scan# 51
Delta R.T. -0.034 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25

Instrument :

BNA_N

ClientSampleId :

A4BT3



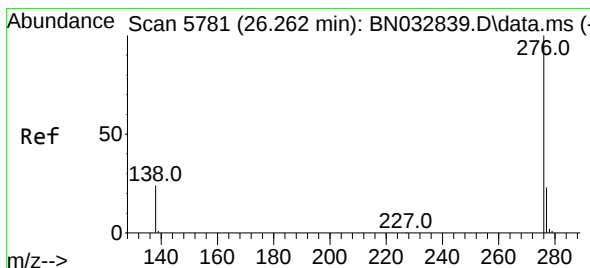
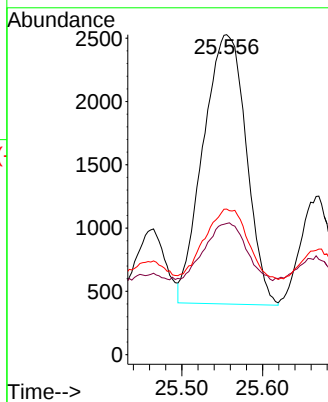
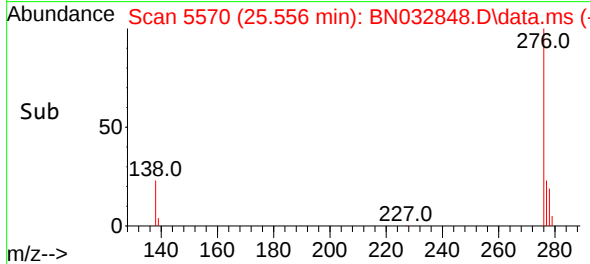
Tgt Ion:278 Resp: 789
Ion Ratio Lower Upper
278 100
139 41.0 16.6 24.8
279 45.5 23.7 35.5

Manual Integrations

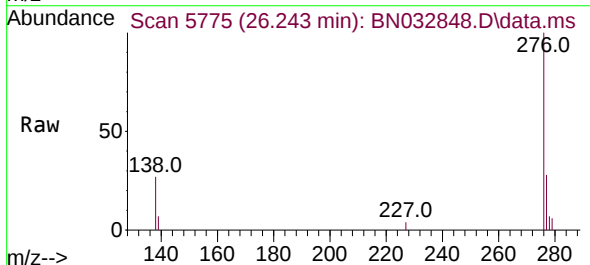
APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/22/2024



#29
Benzo(g,h,i)perylene
Concen: 0.911 ng/ul
RT: 26.243 min Scan# 5775
Delta R.T. -0.017 min
Lab File: BN032848.D
Acq: 19 Jul 2024 19:25



Tgt Ion:276 Resp: 31294
Ion Ratio Lower Upper
276 100
138 27.4 21.0 31.4
277 27.7 20.6 31.0

