

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071123\
 Data File : BN026459.D
 Acq On : 11 Jul 2023 12:50
 Operator : MA/JU
 Sample : 03477-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 HOA42MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 12 02:11:45 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jul 09 15:51:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	4129	0.400	ng/ul	0.00
4) Naphthalene-d8	10.732	136	14310	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.561	164	7653	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.317	188	12148	0.400	ng/ul	0.00
17) Chrysene-d12	21.514	240	7919	0.400	ng/ul	0.00
23) Perylene-d12	23.970	264	7913	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.289	96	3464m	0.745	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	12.321	152	5531	0.251	ng/ul	-0.01
18) Fluoranthene-d10	19.345	212	10206	0.339	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	317847	64.376	ng/ul#	79
5) Naphthalene	10.781	128	11886	0.290	ng/ul	98
7) 2-Methylnaphthalene	12.398	142	6563	0.251	ng/ul	99
8) 1-Methylnaphthalene	12.607	142	7380	0.273	ng/ul	100
10) Acenaphthylene	14.283	152	11070	0.309	ng/ul	99
11) Acenaphthene	14.626	153	8854	0.302	ng/ul	98
12) Fluorene	15.616	166	9044	0.269	ng/ul	97
14) Pentachlorophenol	16.979	266	2040	0.468	ng/ul	99
15) Phenanthrene	17.359	178	12879	0.321	ng/ul	98
16) Anthracene	17.452	178	12507	0.351	ng/ul	97
19) Fluoranthene	19.377	202	14486	0.342	ng/ul	98
20) Pyrene	19.740	202	15243	0.346	ng/ul	96
21) Benzo(a)anthracene	21.500	228	10279	0.315	ng/ul	98
22) Chrysene	21.552	228	11341	0.334	ng/ul	98
24) Benzo(b)fluoranthene	23.218	252	11412m	0.338	ng/ul	
25) Benzo(k)fluoranthene	23.265	252	12354	0.364	ng/ul#	90
26) Benzo(a)pyrene	23.864	252	9817	0.335	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.537	276	11639	0.363	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.551	278	8757	0.361	ng/ul#	88
29) Benzo(g,h,i)perylene	27.329	276	10610	0.372	ng/ul	98

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

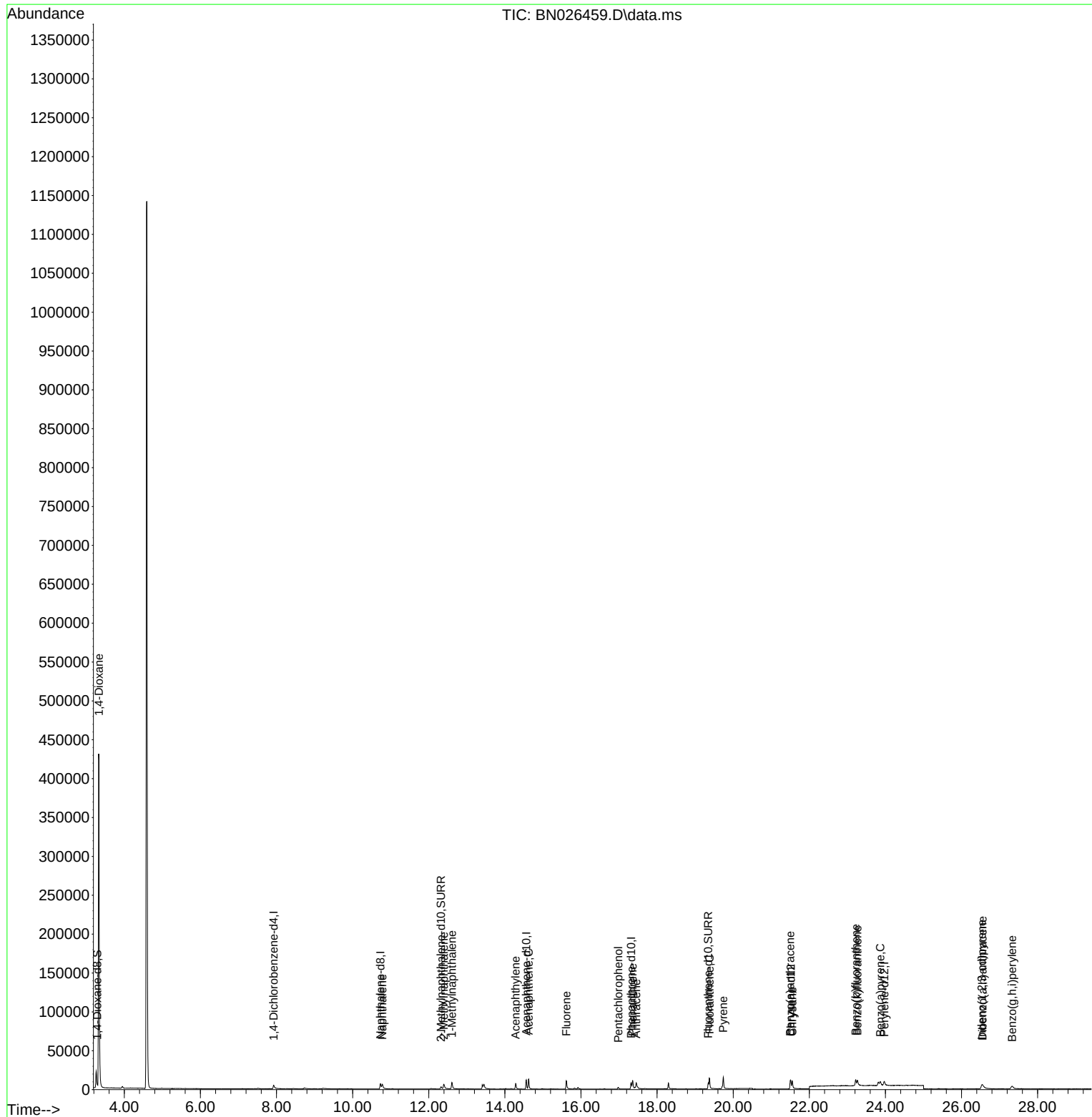
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071123\
Data File : BN026459.D
Acq On : 11 Jul 2023 12:50
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Sample : 03477-04MSD
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ALS Vial : 7 Sample Multiplier: 1

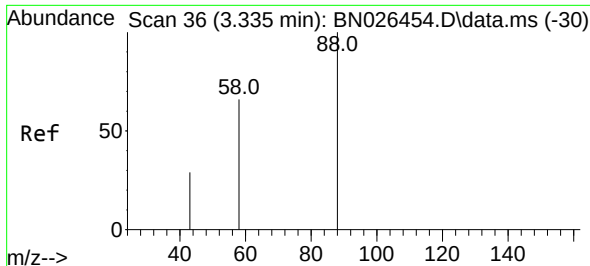
Instrument :
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Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

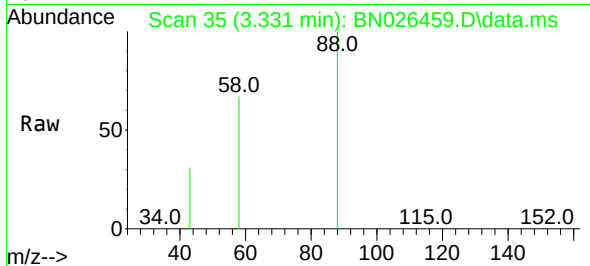
Quant Time: Jul 12 02:11:45 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 09 15:51:14 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 64.376 ng/ul
RT: 3.331 min Scan# 31
Delta R.T. -0.008 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

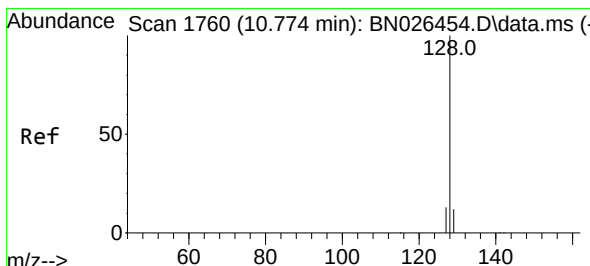
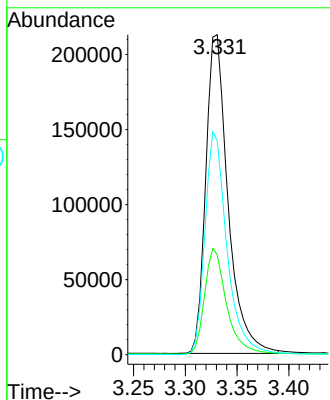
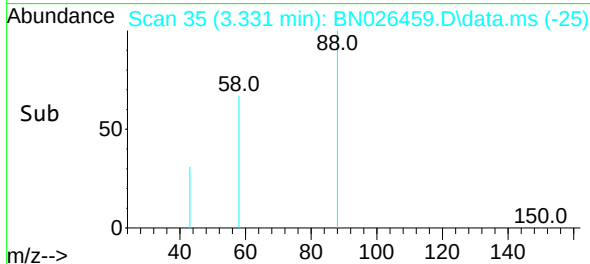
Instrument :
BNA_N
ClientSampleId :
HOA42MSD



Tgt Ion: 88 Resp: 31784
Ion Ratio Lower Upper
88 100
43 31.2 29.5 44.3
58 66.9 37.4 56.2

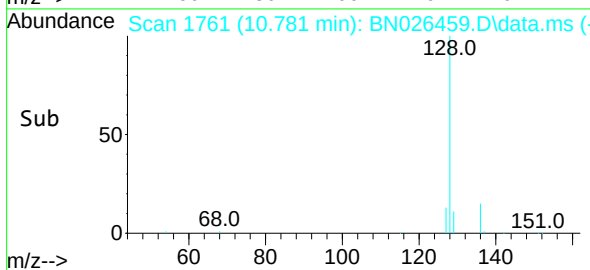
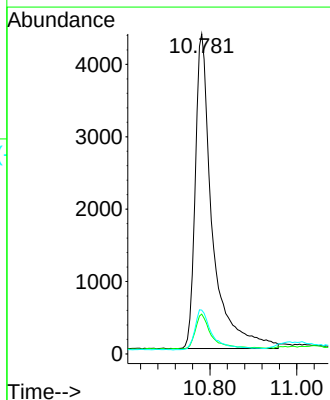
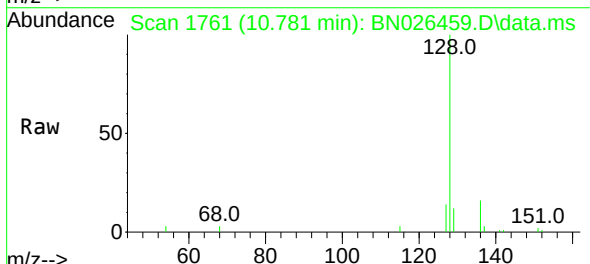
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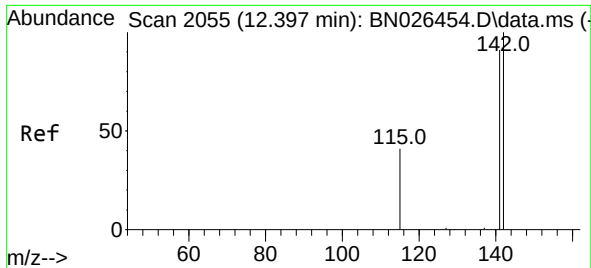
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#5
Naphthalene
Concen: 0.290 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Tgt Ion:128 Resp: 11886
Ion Ratio Lower Upper
128 100
129 12.5 9.1 13.7
127 13.7 10.7 16.1





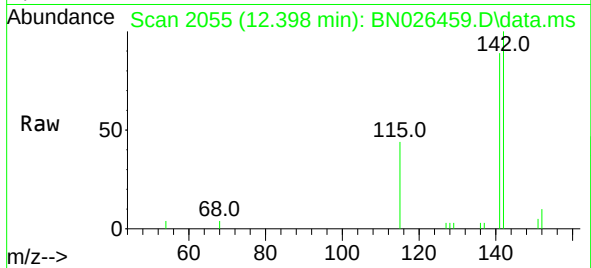
#7
2-Methylnaphthalene
Concen: 0.251 ng/ul
RT: 12.398 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Instrument :

BNA_N

ClientSampleId :

HOA42MSD

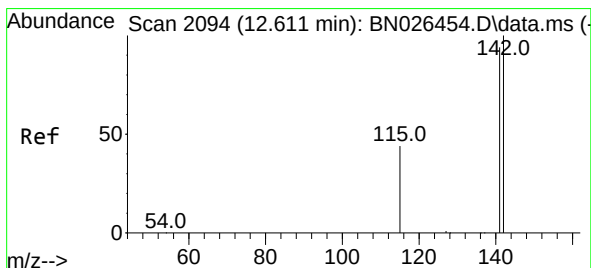
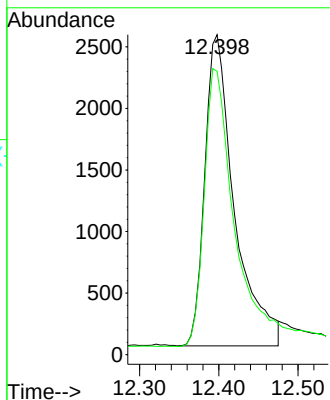
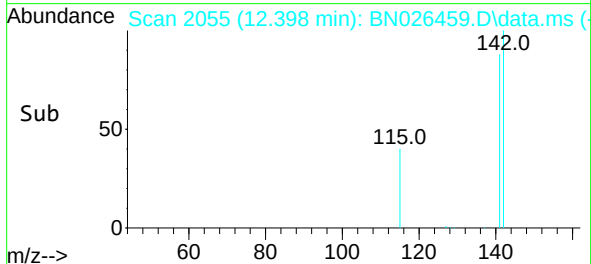


Tgt Ion:142 Resp: 656
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9

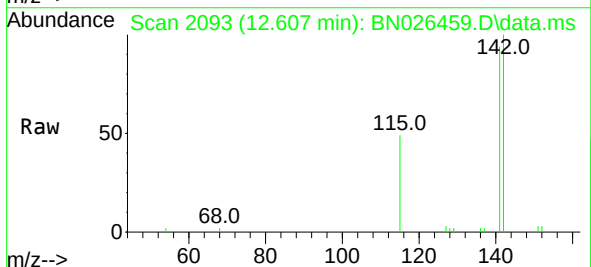
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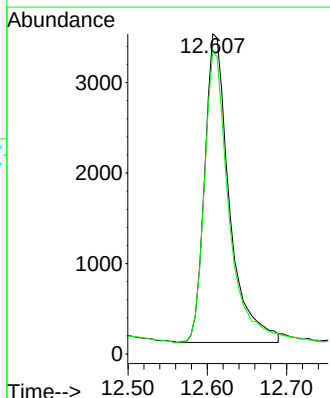
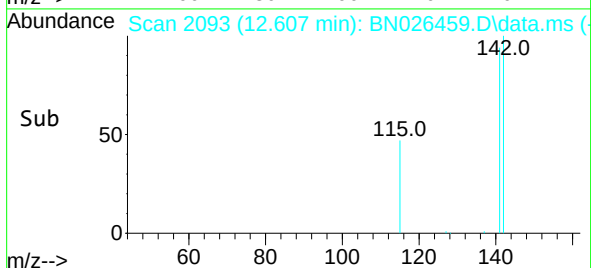
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

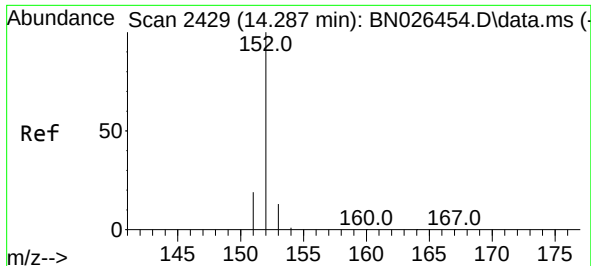


#8
1-Methylnaphthalene
Concen: 0.273 ng/ul
RT: 12.607 min Scan# 2093
Delta R.T. -0.011 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50



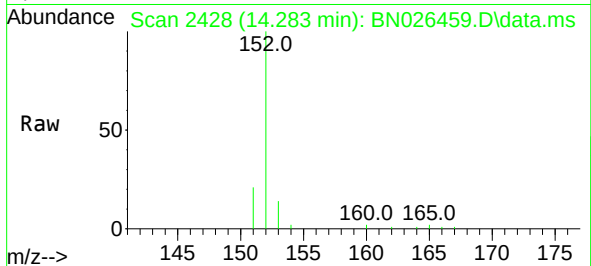
Tgt Ion:142 Resp: 7380
Ion Ratio Lower Upper
142 100
141 92.9 74.2 111.4





#10
Acenaphthylene
Concen: 0.309 ng/ul
RT: 14.283 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

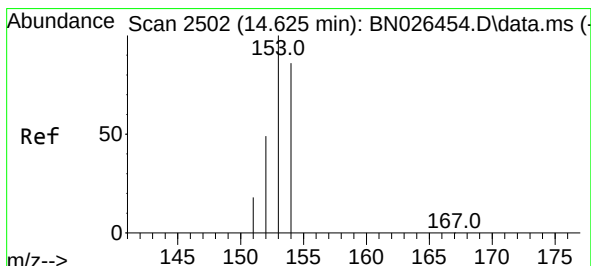
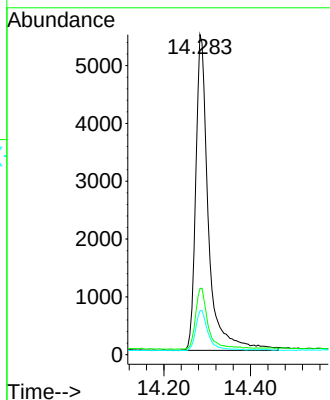
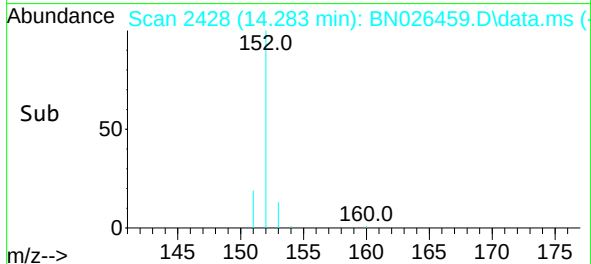
Instrument :
BNA_N
ClientSampleId :
HOA42MSD



Tgt Ion:152 Resp: 11070
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.7 10.9 16.3

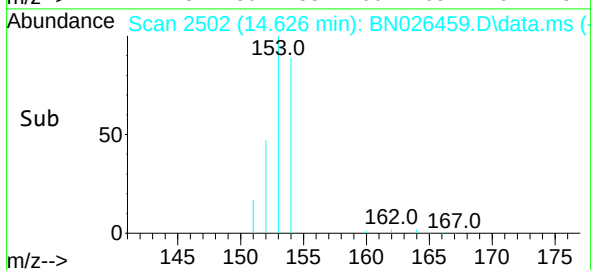
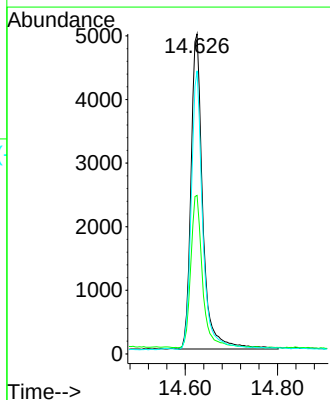
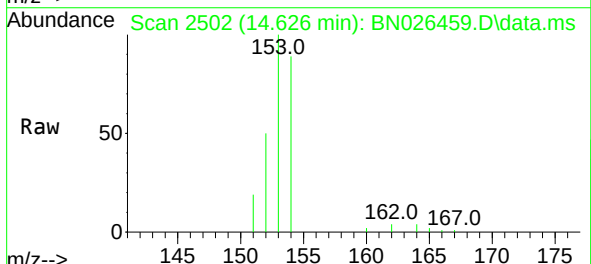
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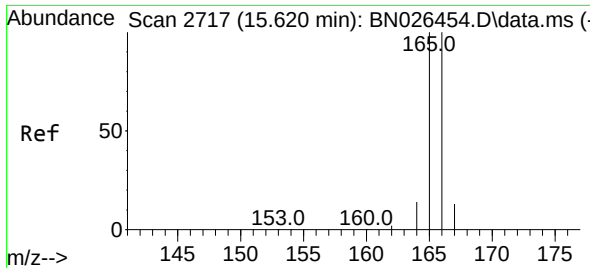
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#11
Acenaphthene
Concen: 0.302 ng/ul
RT: 14.626 min Scan# 2502
Delta R.T. -0.005 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

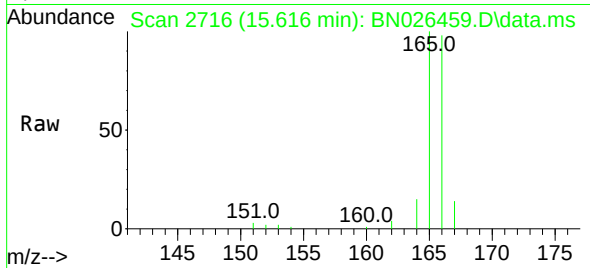
Tgt Ion:153 Resp: 8854
Ion Ratio Lower Upper
153 100
152 49.6 39.4 59.0
154 88.5 68.9 103.3





#12
 Fluorene
 Concen: 0.269 ng/ul
 RT: 15.616 min Scan# 2716
 Delta R.T. -0.009 min
 Lab File: BN026459.D
 Acq: 11 Jul 2023 12:50

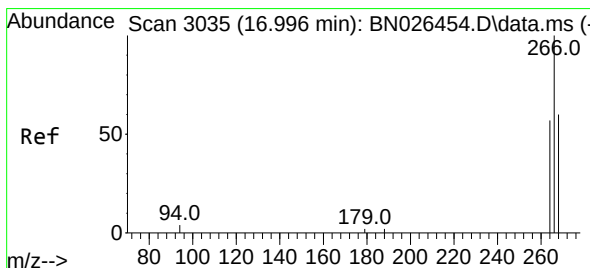
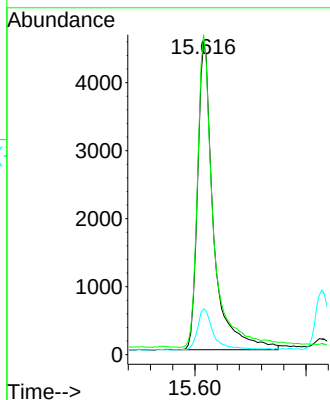
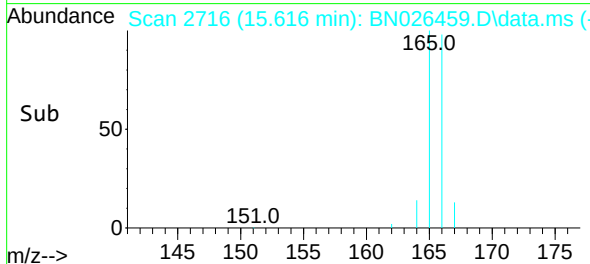
Instrument :
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 ClientSampleId :
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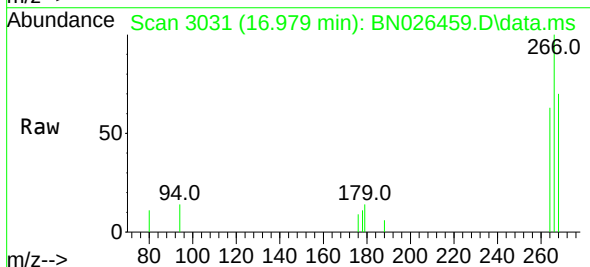
Tgt Ion:166 Resp: 904
 Ion Ratio Lower Upper
 166 100
 165 102.4 79.9 119.9
 167 14.6 10.8 16.2

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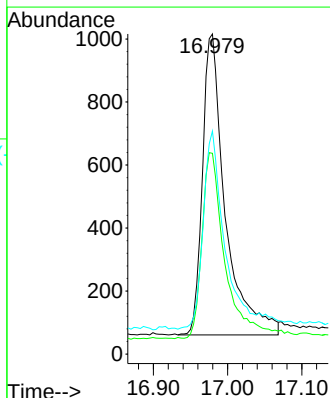
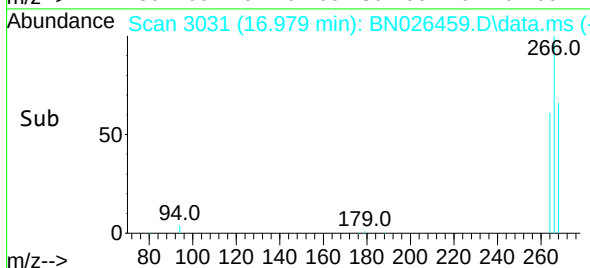
Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

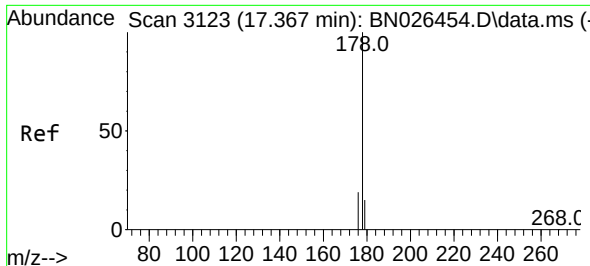


#14
 Pentachlorophenol
 Concen: 0.468 ng/ul
 RT: 16.979 min Scan# 3031
 Delta R.T. -0.017 min
 Lab File: BN026459.D
 Acq: 11 Jul 2023 12:50



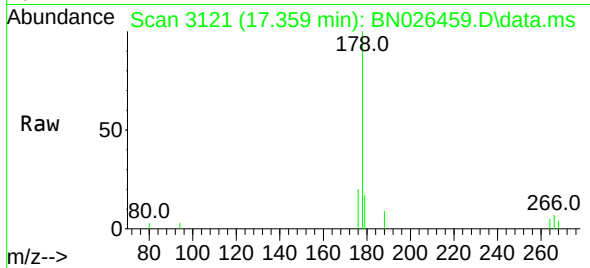
Tgt Ion:266 Resp: 2040
 Ion Ratio Lower Upper
 266 100
 264 62.0 50.5 75.7
 268 64.8 51.6 77.4





#15
Phenanthrene
Concen: 0.321 ng/u1
RT: 17.359 min Scan# 3121
Delta R.T. -0.008 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

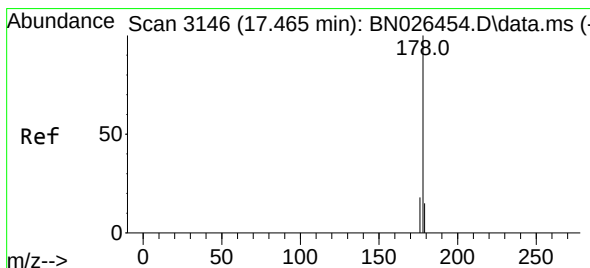
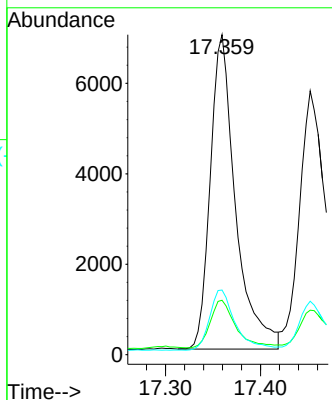
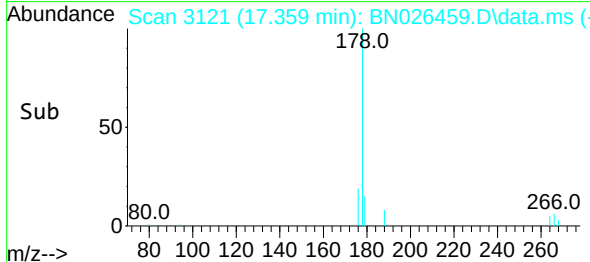
Instrument :
BNA_N
ClientSampleId :
HOA42MSD



Tgt Ion:178 Resp: 12879
Ion Ratio Lower Upper
178 100
179 17.0 12.6 19.0
176 20.2 15.8 23.6

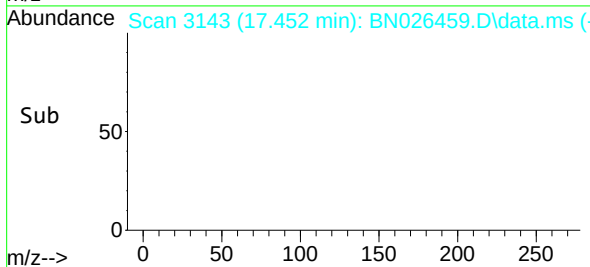
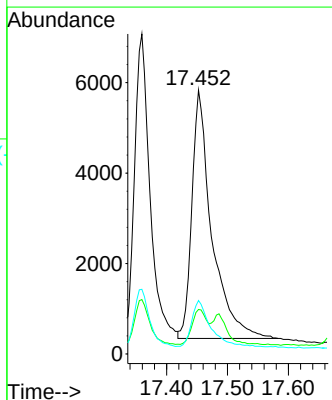
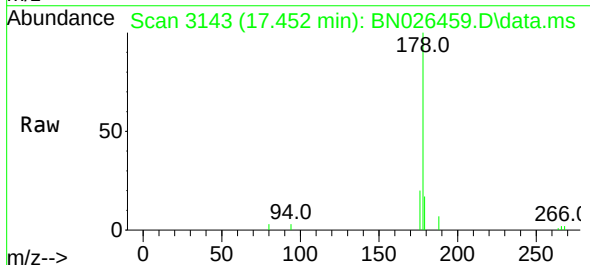
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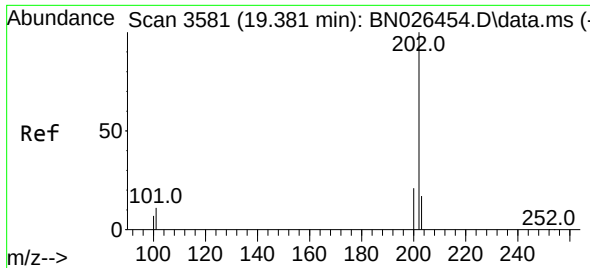
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#16
Anthracene
Concen: 0.351 ng/u1
RT: 17.452 min Scan# 3143
Delta R.T. -0.013 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Tgt Ion:178 Resp: 12507
Ion Ratio Lower Upper
178 100
179 16.9 12.6 18.8
176 20.2 15.1 22.7





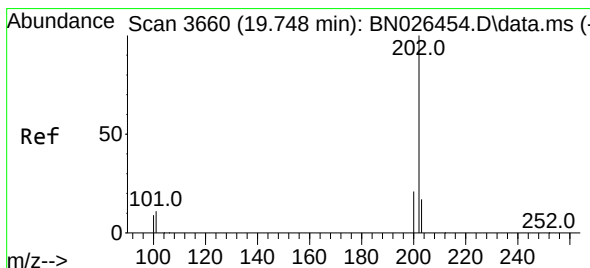
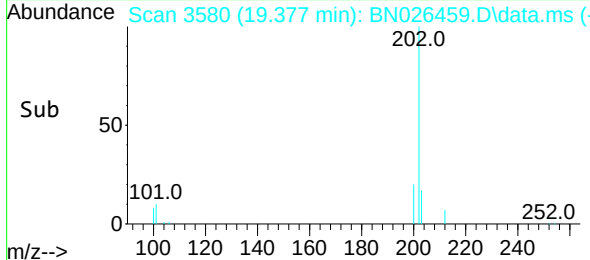
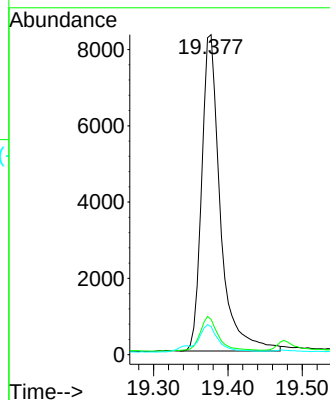
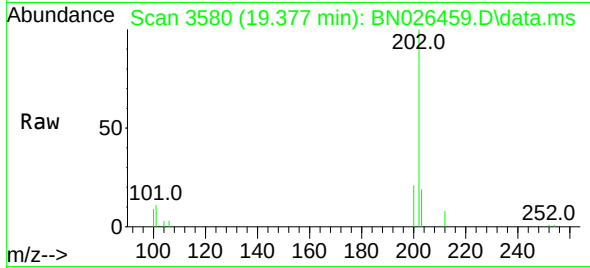
#19
Fluoranthene
Concen: 0.342 ng/ul
RT: 19.377 min Scan# 3580
Delta R.T. -0.009 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Instrument :
BNA_N
ClientSampleId :
HOA42MSD

Tgt Ion:202 Resp: 1448
Ion Ratio Lower Upper
202 100
101 11.0 9.5 14.3
100 8.8 7.3 10.9

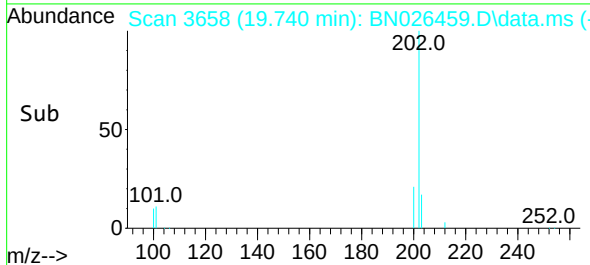
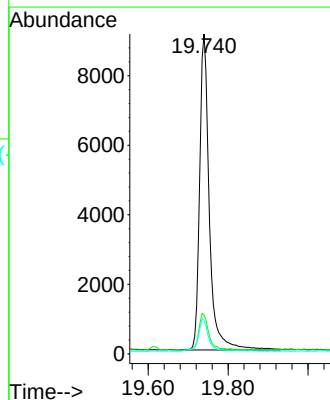
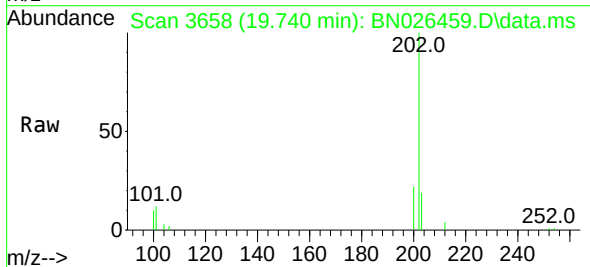
Manual Integrations
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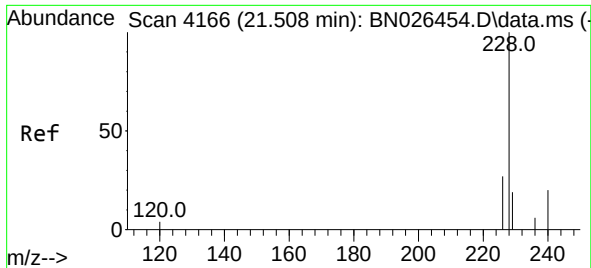
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#20
Pyrene
Concen: 0.346 ng/ul
RT: 19.740 min Scan# 3658
Delta R.T. -0.009 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

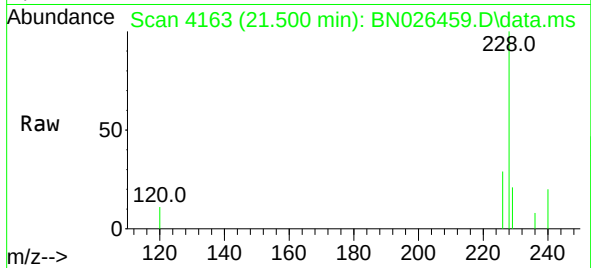
Tgt Ion:202 Resp: 15243
Ion Ratio Lower Upper
202 100
101 12.2 11.4 17.0
100 10.5 9.1 13.7





#21
Benzo(a)anthracene
Concen: 0.315 ng/ul
RT: 21.500 min Scan# 4166
Delta R.T. -0.000 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

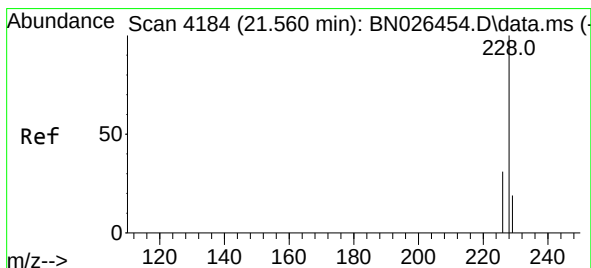
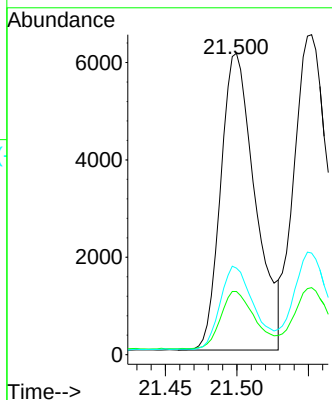
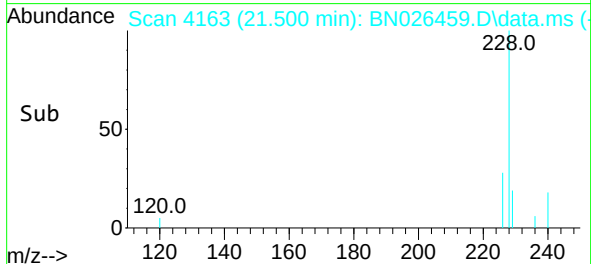
Instrument :
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Tgt Ion:228 Resp: 10279
Ion Ratio Lower Upper
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229 21.0 15.8 23.6
226 28.7 22.5 33.7

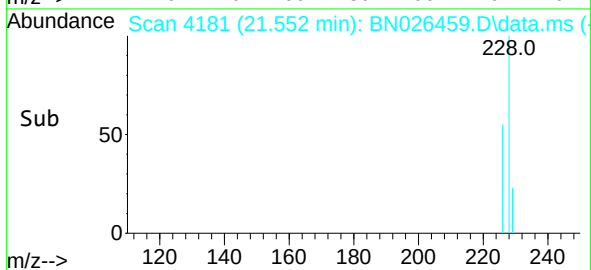
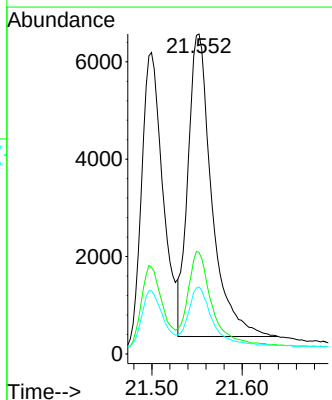
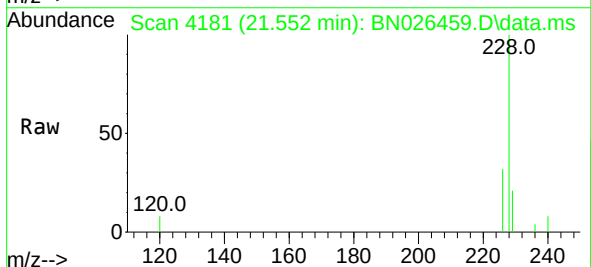
Manual Integrations
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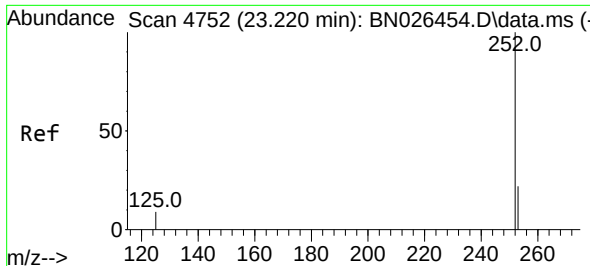
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#22
Chrysene
Concen: 0.334 ng/ul
RT: 21.552 min Scan# 4181
Delta R.T. -0.000 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

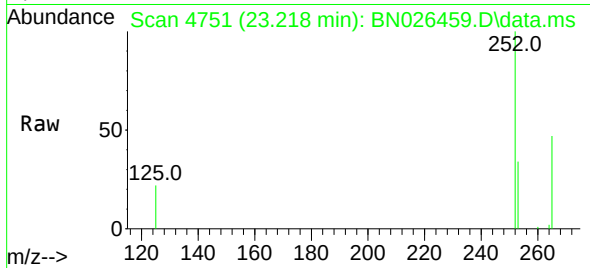
Tgt Ion:228 Resp: 11341
Ion Ratio Lower Upper
228 100
226 31.8 24.8 37.2
229 21.0 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.338 ng/ul m
RT: 23.218 min Scan# 4751
Delta R.T. -0.000 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

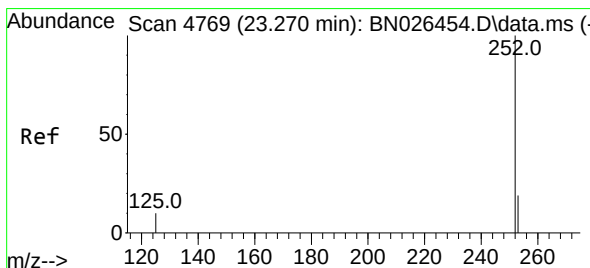
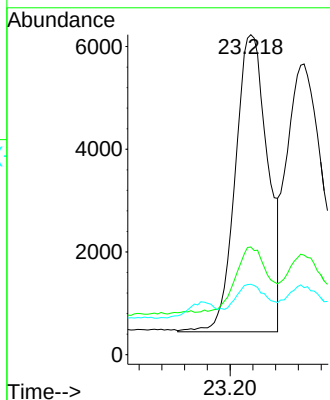
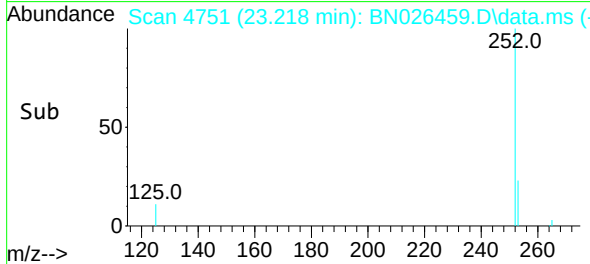
Instrument :
BNA_N
ClientSampleId :
HOA42MSD



Tgt Ion:252 Resp: 1141
Ion Ratio Lower Upper
252 100
253 33.6 0.0 55.6
125 22.0 0.0 35.8

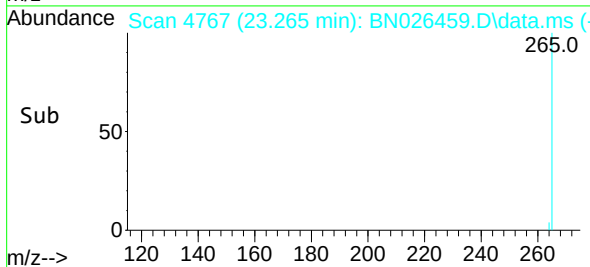
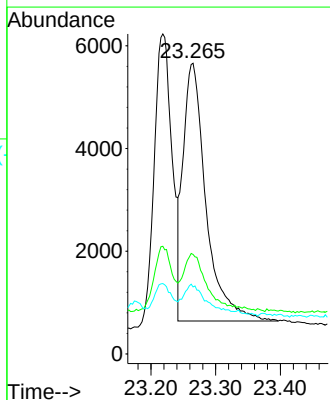
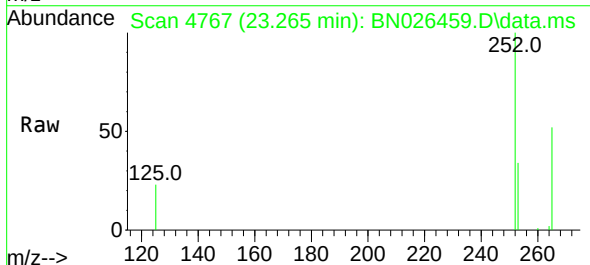
Manual Integrations
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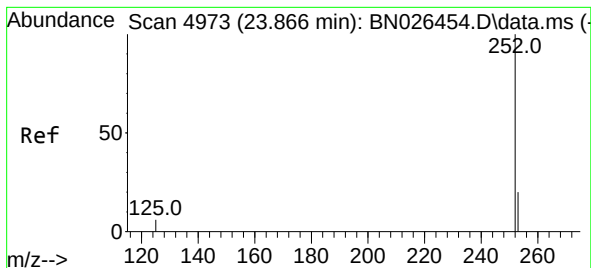
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#25
Benzo(k)fluoranthene
Concen: 0.364 ng/ul
RT: 23.265 min Scan# 4767
Delta R.T. 0.003 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Tgt Ion:252 Resp: 12354
Ion Ratio Lower Upper
252 100
253 34.2 23.2 34.8
125 23.1 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 0.335 ng/ul

RT: 23.864 min Scan# 4973

Delta R.T. -0.006 min

Lab File: BN026459.D

Acq: 11 Jul 2023 12:50

Instrument :

BNA_N

ClientSampleId :

HOA42MSD

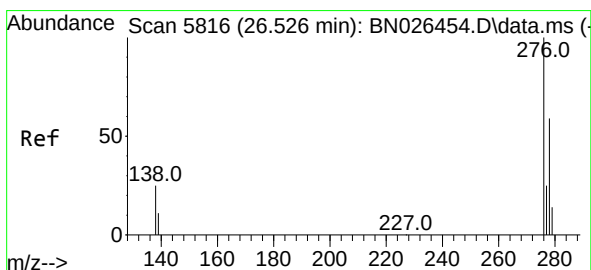
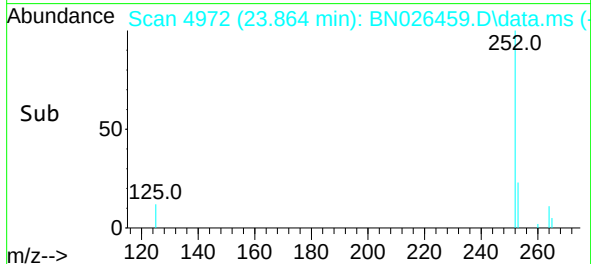
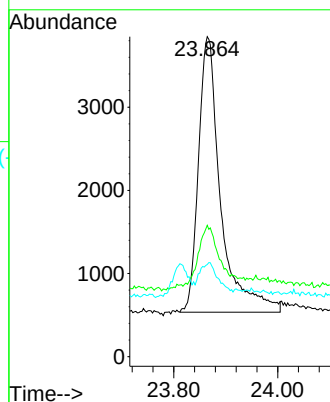
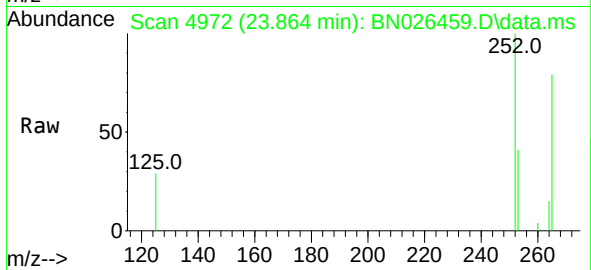
Tgt Ion:	252	Resp:	981
Ion Ratio	Lower	Upper	
252	100		
253	41.0	26.0	39.0
125	28.8	17.3	25.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.363 ng/ul

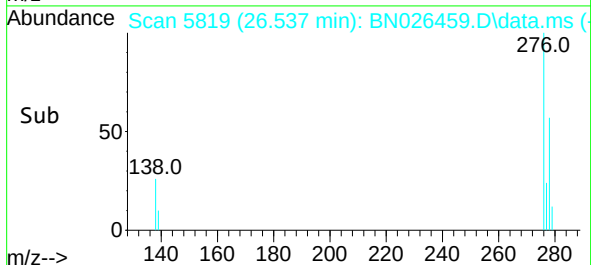
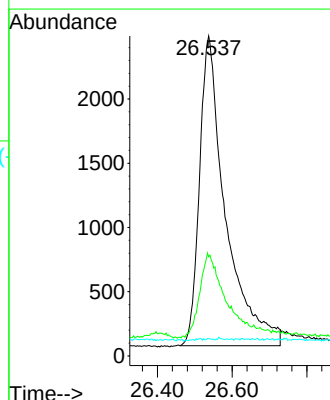
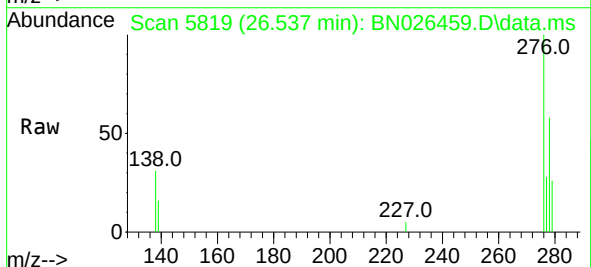
RT: 26.537 min Scan# 5819

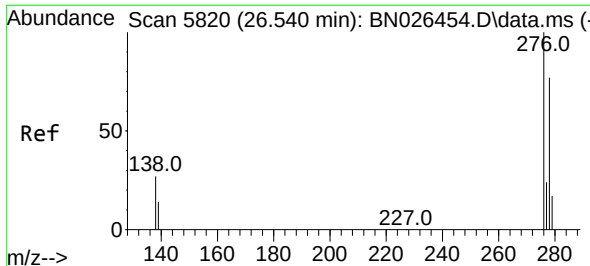
Delta R.T. -0.003 min

Lab File: BN026459.D

Acq: 11 Jul 2023 12:50

Tgt Ion:	276	Resp:	11639
Ion Ratio	Lower	Upper	
276	100		
138	28.8	24.5	36.7
227	0.1	0.0	0.0





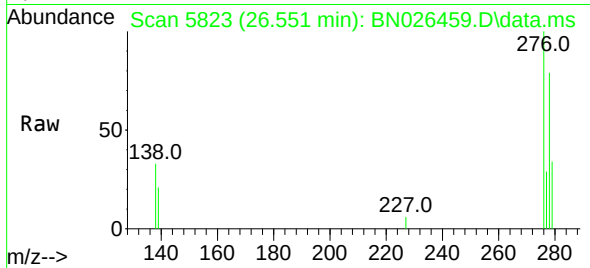
#28
Dibenzo(a,h)anthracene
Concen: 0.361 ng/ul
RT: 26.551 min Scan# 5823
Delta R.T. -0.010 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50

Instrument :

BNA_N

ClientSampleId :

HOA42MSD

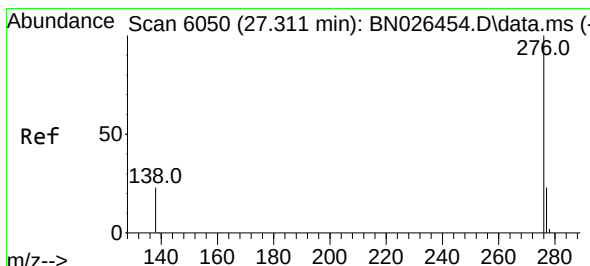
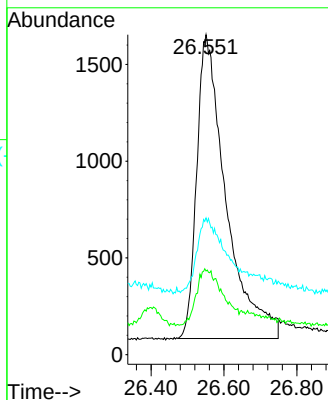
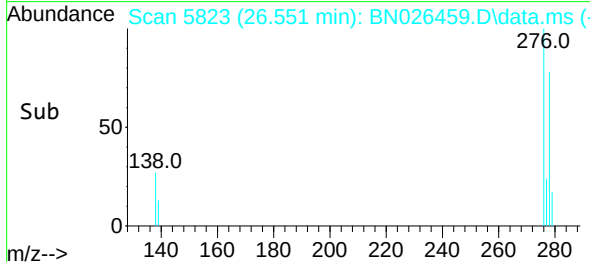


Tgt Ion:278 Resp: 875
Ion Ratio Lower Upper
278 100
139 26.1 19.0 28.4
279 42.7 26.7 40.1

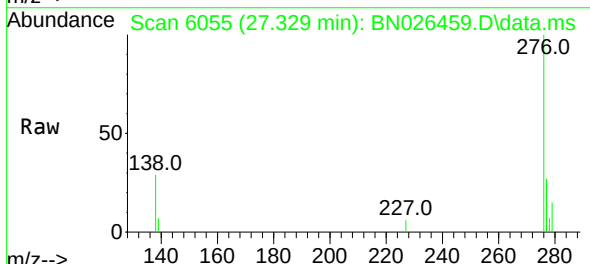
Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#29
Benzo(g,h,i)perylene
Concen: 0.372 ng/ul
RT: 27.329 min Scan# 6055
Delta R.T. -0.007 min
Lab File: BN026459.D
Acq: 11 Jul 2023 12:50



Tgt Ion:276 Resp: 10610
Ion Ratio Lower Upper
276 100
138 29.2 23.4 35.0
277 26.9 20.0 30.0

