

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072323\
 Data File : BN026717.D
 Acq On : 24 Jul 2023 17:06
 Operator : MA/JU
 Sample : 03504-07
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46W4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 24 20:49:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 00:39:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	2490	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.619	136	7966	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.462	164	5201	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.211	188	14280	0.400	ng/ul	0.00
17) Chrysene-d12	21.411	240	7382	0.400	ng/ul	0.00
23) Perylene-d12	23.781	264	9647	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.195	96	3666	1.118	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.214	152	3022	0.279	ng/ul	0.00
18) Fluoranthene-d10	19.241	212	6573	0.257	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.669	128	42610	1.948	ng/ul	98
7) 2-Methylnaphthalene	12.286	142	14196	1.144	ng/ul	100
8) 1-Methylnaphthalene	12.506	142	11696	0.880	ng/ul	98
10) Acenaphthylene	14.185	152	14282	0.561	ng/ul	98
11) Acenaphthene	14.523	153	68392	3.525	ng/ul	99
12) Fluorene	15.513	166	73610	3.616	ng/ul	98
15) Phenanthrene	17.253	178	1180067	25.948	ng/ul	97
16) Anthracene	17.342	178	157341	3.987	ng/ul	96
19) Fluoranthene	19.274	202	1460473	42.208	ng/ul#	93
20) Pyrene	19.636	202	747830	19.901	ng/ul#	95
21) Benzo(a)anthracene	21.393	228	492138	18.142	ng/ul	98
22) Chrysene	21.446	228	472193	15.292	ng/ul	98
24) Benzo(b)fluoranthene	23.062	252	525681m	13.987	ng/ul	
25) Benzo(k)fluoranthene	23.100	252	256555m	6.513	ng/ul	
26) Benzo(a)pyrene	23.673	252	121916	3.644	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	26.231	276	147234	3.357	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.238	278	68352m	2.031	ng/ul	
29) Benzo(g,h,i)perylene	26.989	276	7705	0.199	ng/ul#	84

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

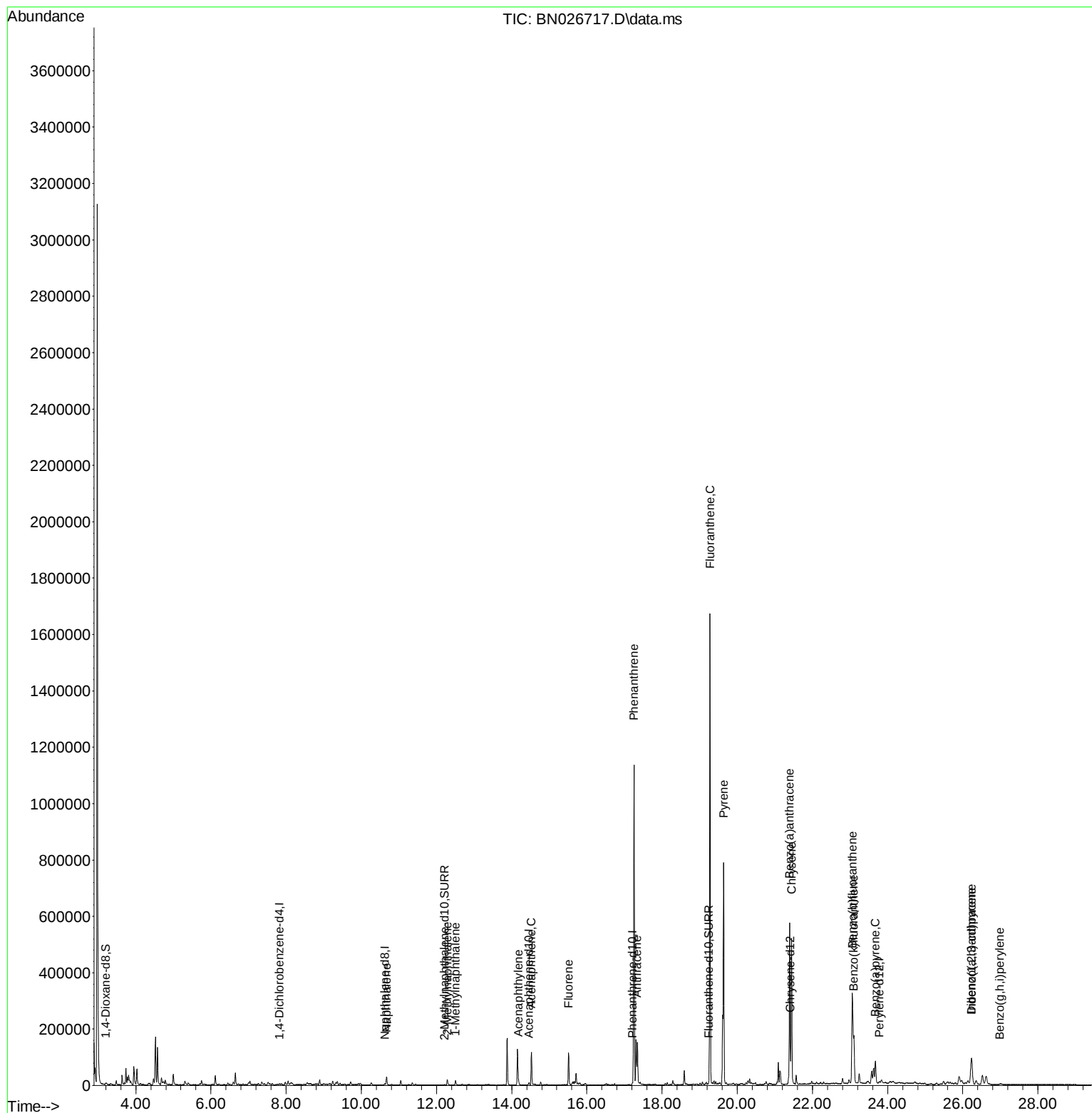
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072323\
Data File : BN026717.D
Acq On : 24 Jul 2023 17:06
Operator : MA/JU
Sample : 03504-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

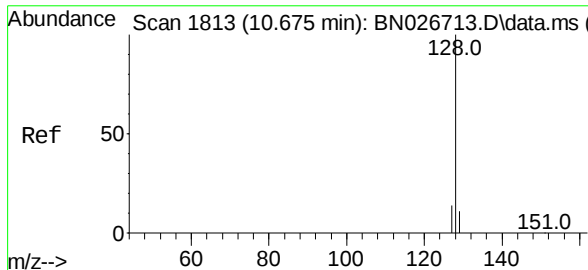
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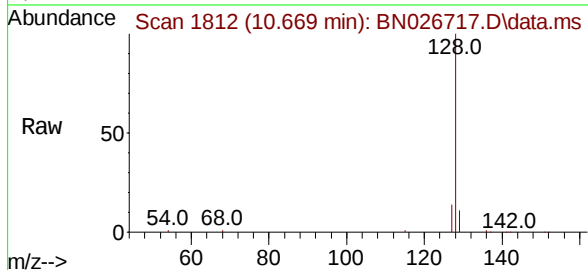
Quant Time: Jul 24 20:49:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 00:39:11 2023
Response via : Initial Calibration





Naphthalene
Concen: 1.948 ng/ul
RT: 10.669 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

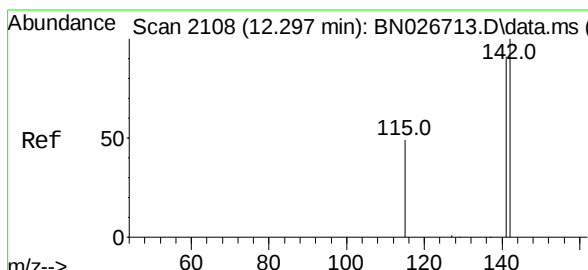
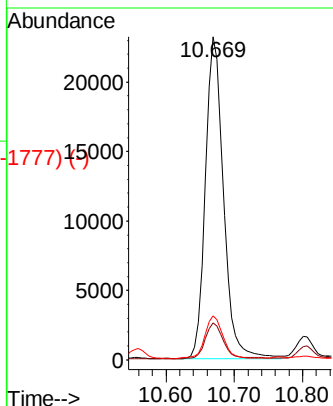
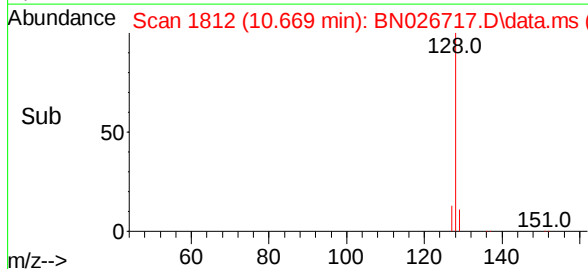
Instrument :
BNA_N
ClientSampleId :
A46W4



Tgt Ion:128 Resp: 4261
Ion Ratio Lower Upper
128 100
129 11.4 10.2 15.2
127 13.6 11.4 17.0

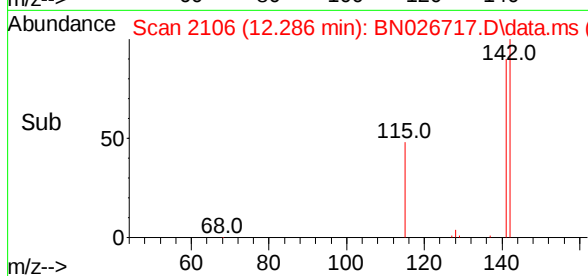
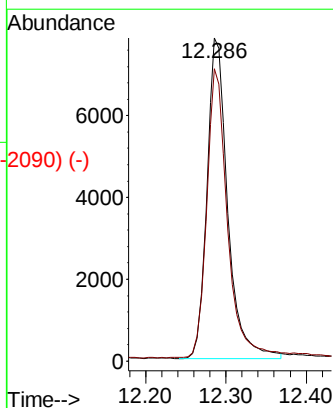
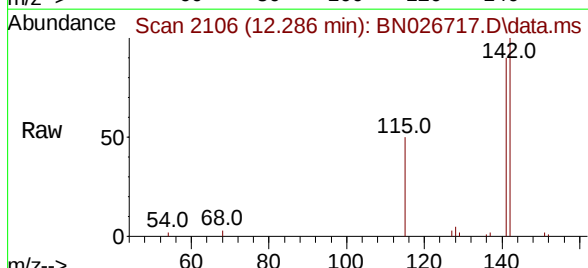
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Supervised By :mohammad ahmed 07/24/2023



2-Methylnaphthalene
Concen: 1.144 ng/ul
RT: 12.286 min Scan# 2106
Delta R.T. -0.011 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Tgt Ion:142 Resp: 14196
Ion Ratio Lower Upper
142 100
141 90.0 72.3 108.5



Abundance Scan 2147 (12.511 min): BN026713.D\data.ms (-2138) (-)

1-Methylnaphthalene

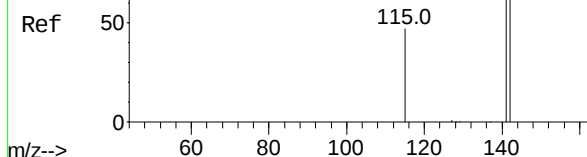
Concen: 0.880 ng/ul

RT: 12.506 min Scan# 2146

Delta R.T. -0.005 min

Lab File: BN026717.D

Acq: 24 Jul 2023 17:06



Tgt Ion:142 Resp: 1169

Ion Ratio Lower Upper

142 100

141 91.4 74.5 111.7

Instrument :

BNA_N

ClientSampleId :

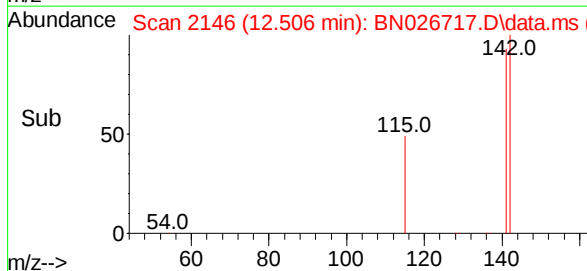
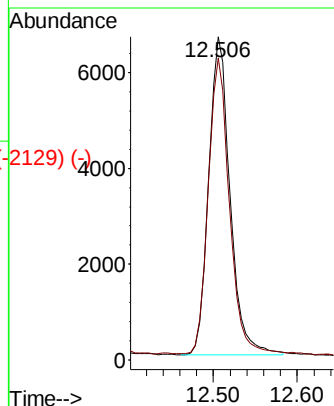
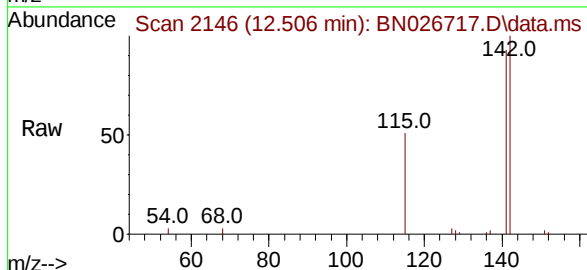
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Abundance Scan 2479 (14.189 min): BN026713.D\data.ms (-2436) (-)

Acenaphthylene

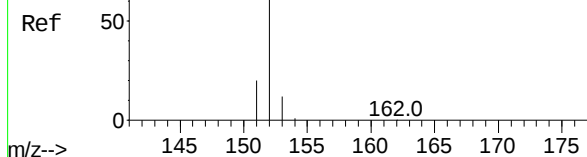
Concen: 0.561 ng/ul

RT: 14.185 min Scan# 2478

Delta R.T. -0.005 min

Lab File: BN026717.D

Acq: 24 Jul 2023 17:06



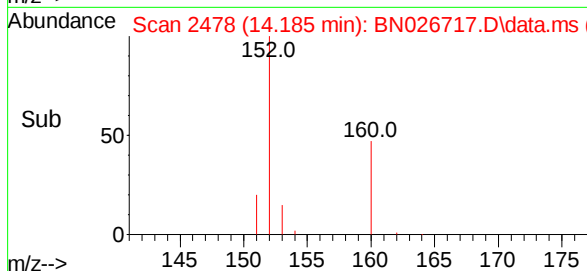
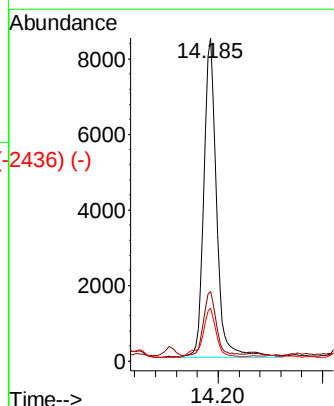
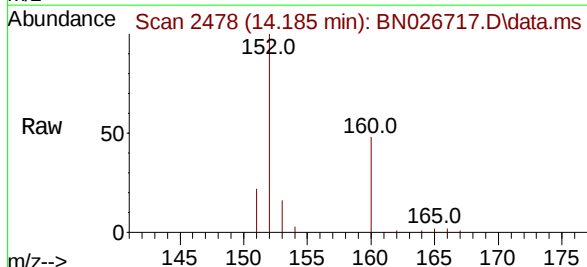
Tgt Ion:152 Resp: 14282

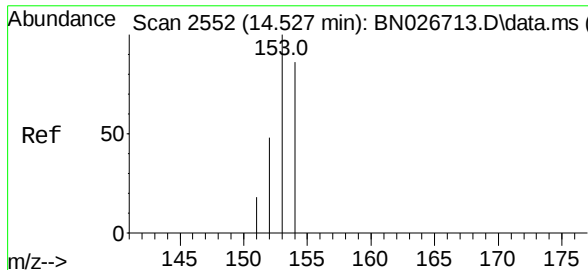
Ion Ratio Lower Upper

152 100

151 21.6 17.0 25.6

153 16.4 11.4 17.2





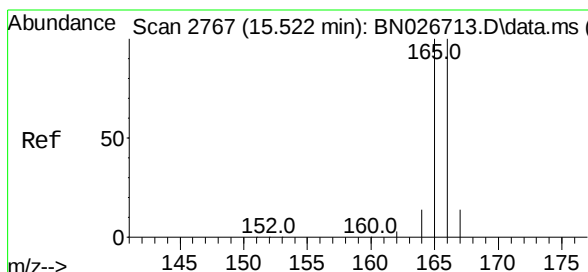
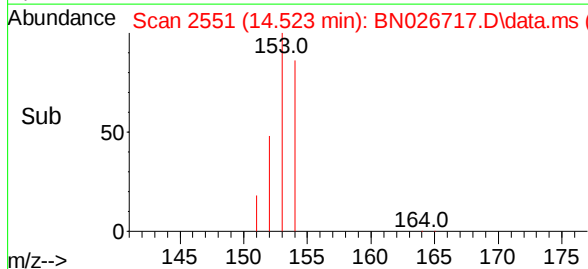
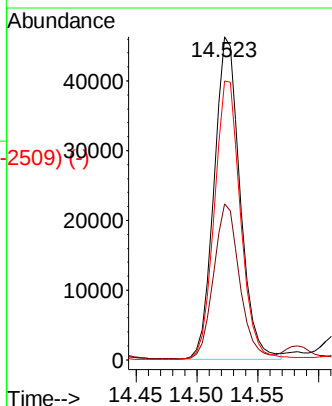
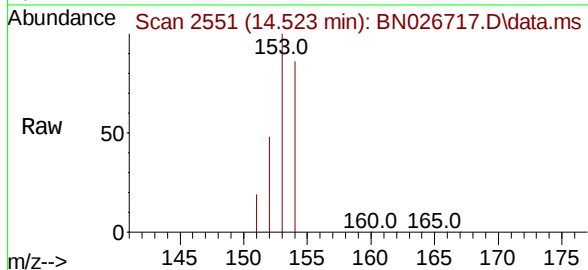
Acenaphthene
Concen: 3.525 ng/ul
RT: 14.523 min Scan# 2551
Delta R.T. -0.005 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Instrument :
BNA_N
ClientSampleId :
A46W4

Tgt Ion:	153	Resp:	6839
Ion	Ratio	Lower	Upper
153	100		
152	48.3	40.2	60.4
154	86.3	69.3	103.9

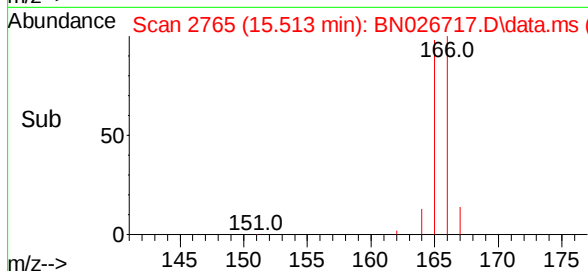
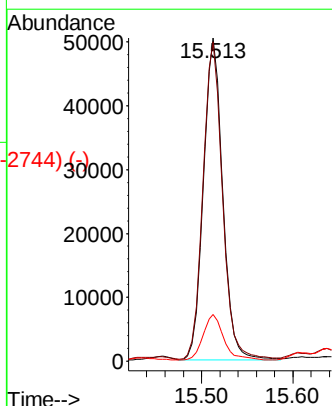
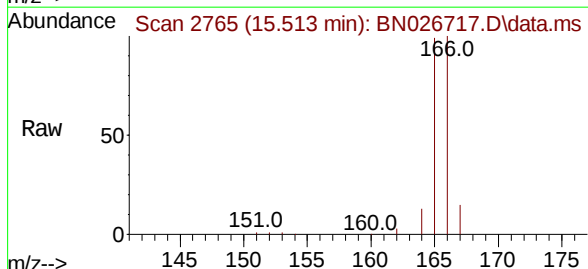
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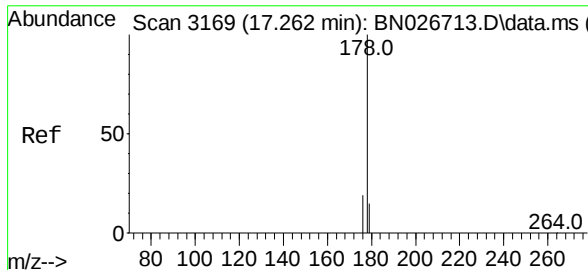
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



Fluorene
Concen: 3.616 ng/ul
RT: 15.513 min Scan# 2765
Delta R.T. -0.005 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

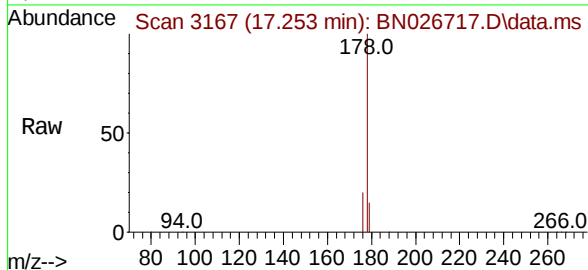
Tgt Ion:	166	Resp:	73610
Ion	Ratio	Lower	Upper
166	100		
165	98.8	80.6	120.8
167	14.5	12.0	18.0





Phenanthrene
 Concen: 25.948 ng/ul
 RT: 17.253 min Scan# 3169
 Delta R.T. -0.004 min
 Lab File: BN026717.D
 Acq: 24 Jul 2023 17:06

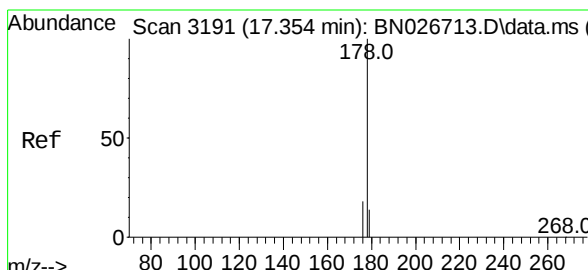
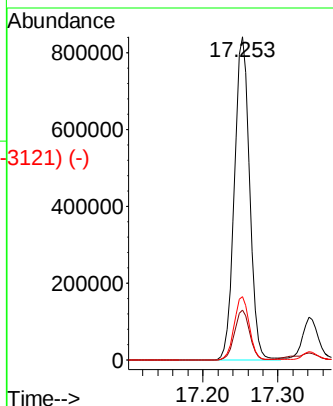
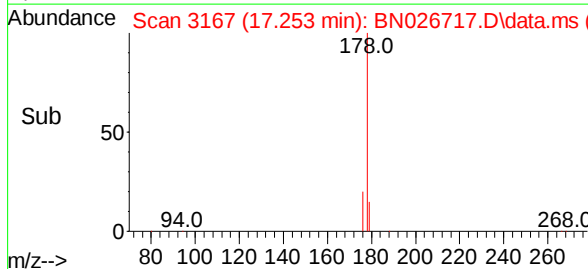
Instrument :
 BNA_N
 ClientSampleId :
 A46W4



Tgt Ion:178 Resp: 118000
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.7 20.5
 176 19.5 16.5 24.7

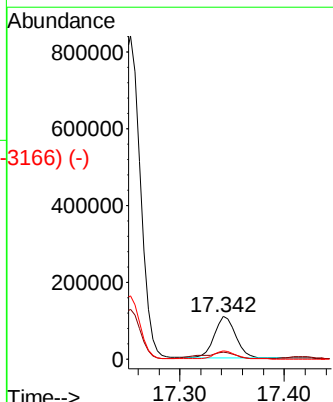
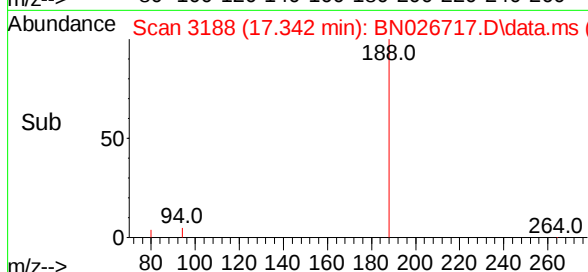
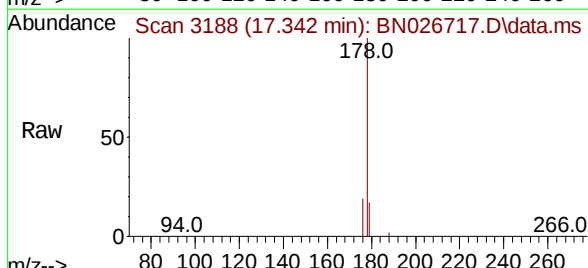
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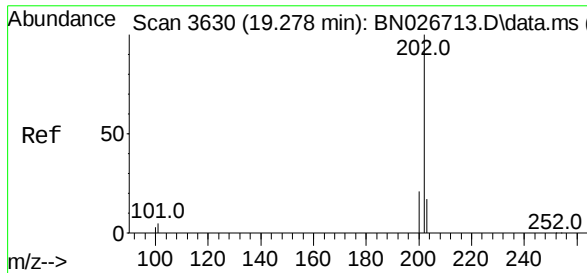
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



Anthracene
 Concen: 3.987 ng/ul
 RT: 17.342 min Scan# 3188
 Delta R.T. -0.008 min
 Lab File: BN026717.D
 Acq: 24 Jul 2023 17:06

Tgt Ion:178 Resp: 157341
 Ion Ratio Lower Upper
 178 100
 179 16.6 14.8 22.2
 176 19.0 16.6 25.0





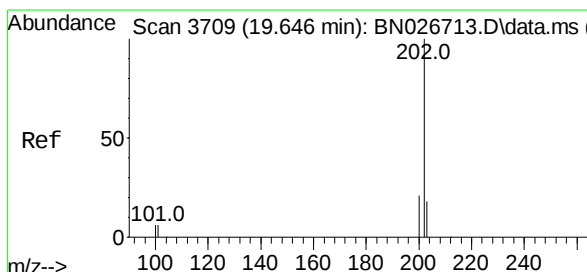
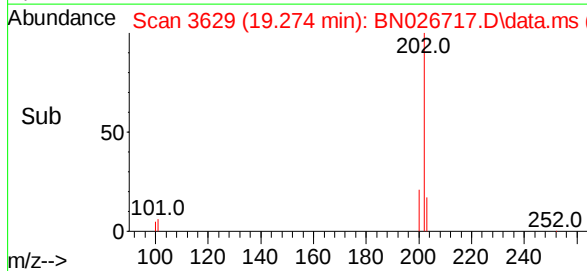
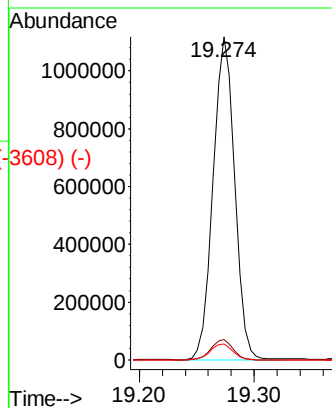
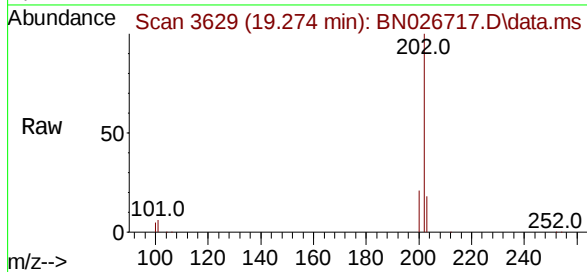
Fluoranthene
Concen: 42.208 ng/ul
RT: 19.274 min Scan# 3629
Delta R.T. -0.005 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Instrument :
BNA_N
ClientSampleId :
A46W4

Tgt Ion:202 Resp: 146047
Ion Ratio Lower Upper
202 100
101 6.4 7.0 10.4
100 5.0 6.0 9.0

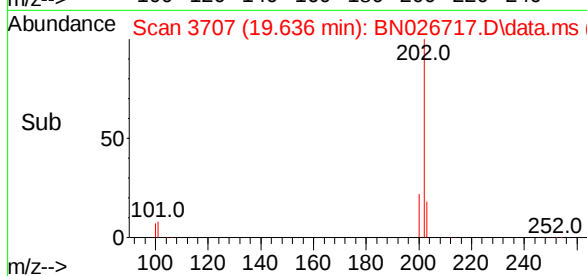
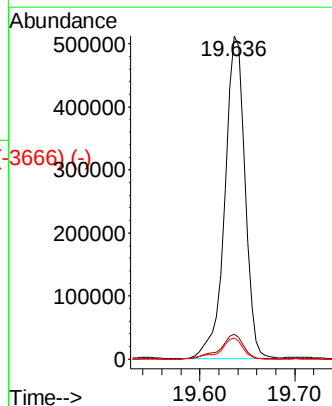
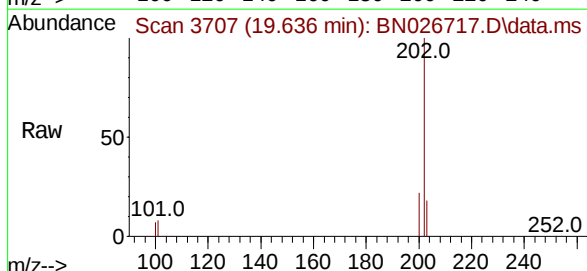
Manual Integrations
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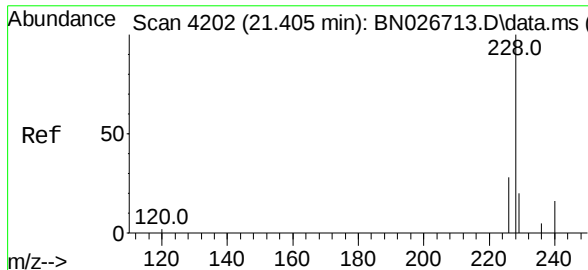
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



Pyrene
Concen: 19.901 ng/ul
RT: 19.636 min Scan# 3707
Delta R.T. -0.009 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Tgt Ion:202 Resp: 747830
Ion Ratio Lower Upper
202 100
101 7.8 8.0 12.0#
100 6.6 6.2 9.2





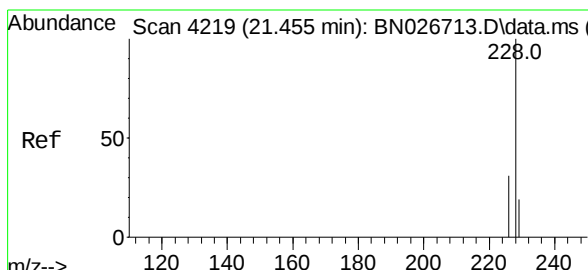
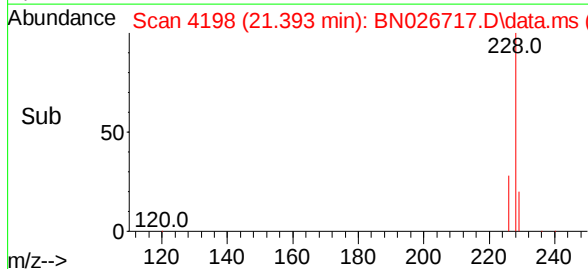
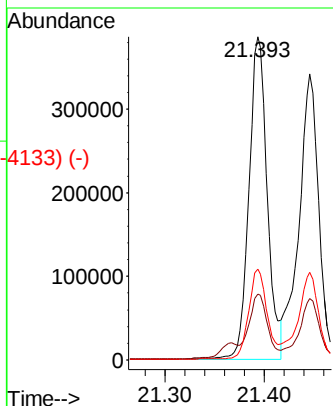
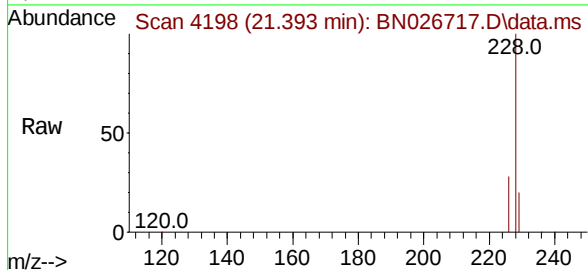
Benzo(a)anthracene
 Concen: 18.142 ng/ul
 RT: 21.393 min Scan# 4198
 Delta R.T. -0.009 min
 Lab File: BN026717.D
 Acq: 24 Jul 2023 17:06

Instrument :
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Tgt Ion:	228	Resp:	49213
Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.7	25.3
226	28.1	23.5	35.3

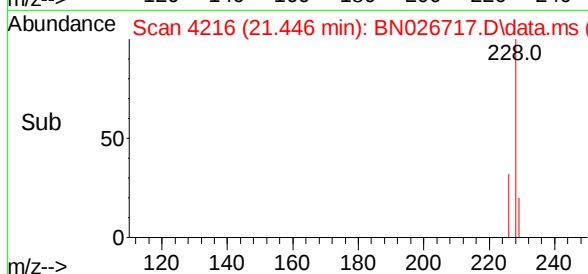
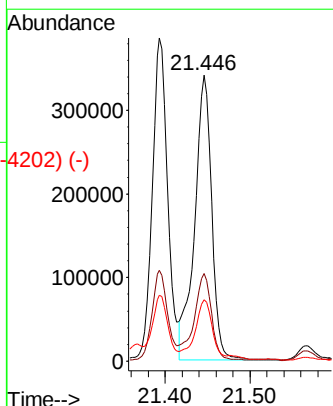
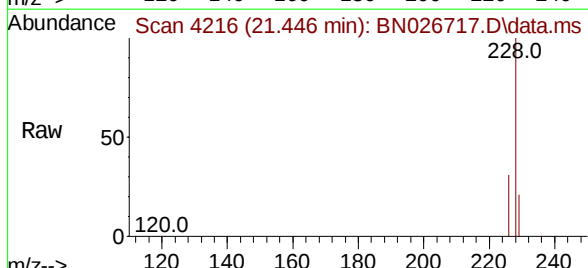
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 Supervised By :mohammad ahmed 07/24/2023

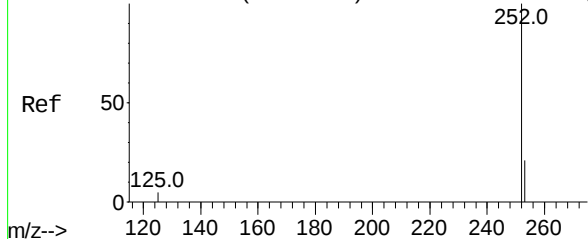


Chrysene
 Concen: 15.292 ng/ul
 RT: 21.446 min Scan# 4216
 Delta R.T. -0.009 min
 Lab File: BN026717.D
 Acq: 24 Jul 2023 17:06

Tgt Ion:	228	Resp:	472193
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.2	37.8
229	21.5	16.4	24.6



Abundance Scan 4772 (23.071 min): BN026713.D\data.ms (-4724) (-)



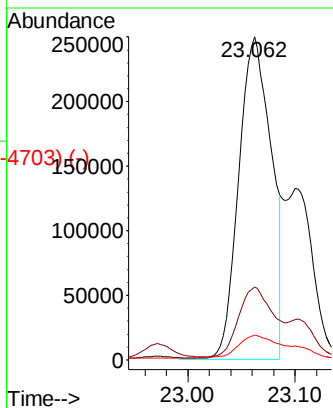
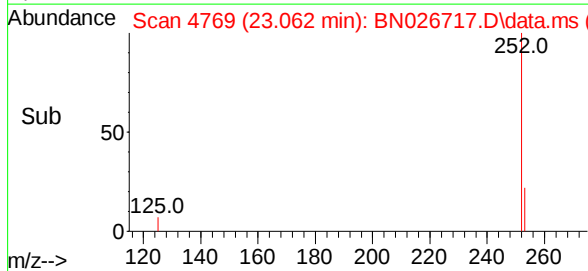
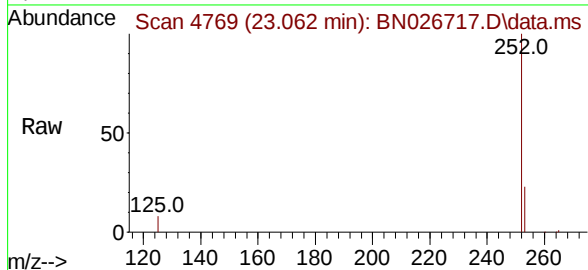
Benzo(b)fluoranthene
Concen: 13.987 ng/ul m
RT: 23.062 min Scan# 4769
Delta R.T. -0.006 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Instrument :
BNA_N
ClientSampleId :
A46W4

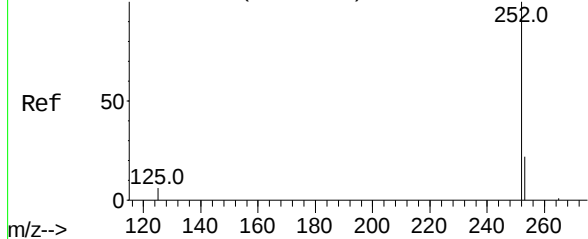
Tgt Ion:252 Resp: 52568
Ion Ratio Lower Upper
252 100
253 22.6 0.0 68.6
125 7.6 0.0 34.0

Manual Integrations
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Supervised By :mohammad ahmed 07/24/2023

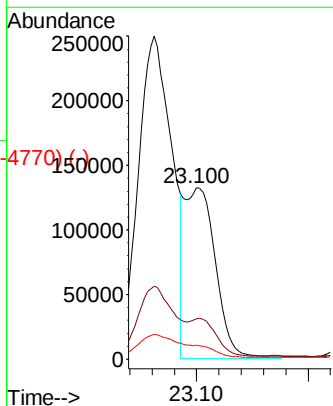
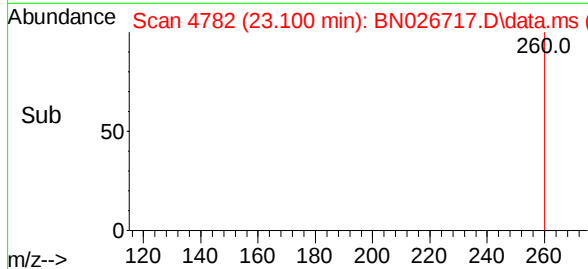
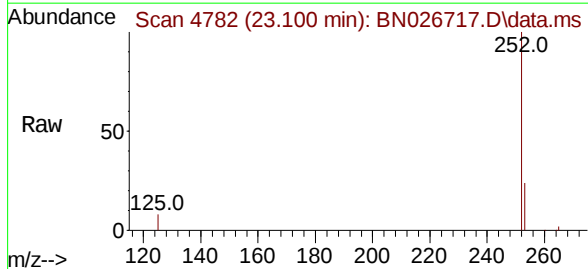


Abundance Scan 4788 (23.118 min): BN026713.D\data.ms (-4725) (-)

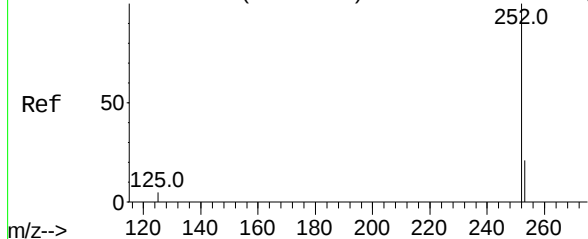


Benzo(k)fluoranthene
Concen: 6.513 ng/ul m
RT: 23.100 min Scan# 4782
Delta R.T. -0.015 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Tgt Ion:252 Resp: 25655
Ion Ratio Lower Upper
252 100
253 23.6 27.2 40.8#
125 8.0 13.4 20.2#



Abundance Scan 4984 (23.691 min): BN026713.D\data.ms (-4925) (-)



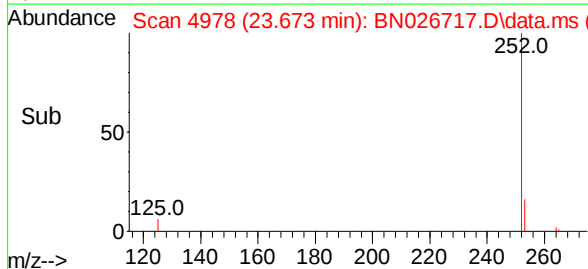
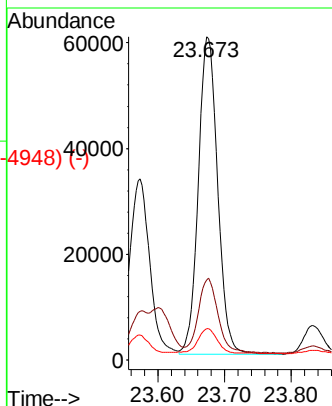
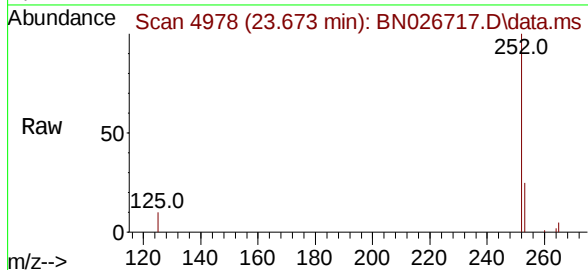
Benzo(a)pyrene
Concen: 3.644 ng/uL
RT: 23.673 min Scan# 4925
Delta R.T. -0.012 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Instrument :
BNA_N
ClientSampleId :
A46W4

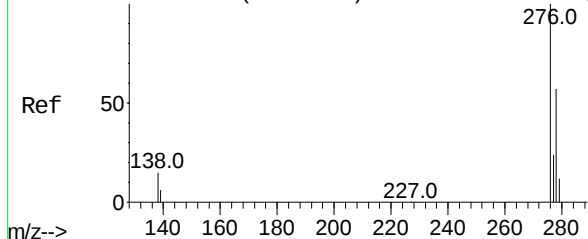
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	32.6	49.0
125	9.6	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

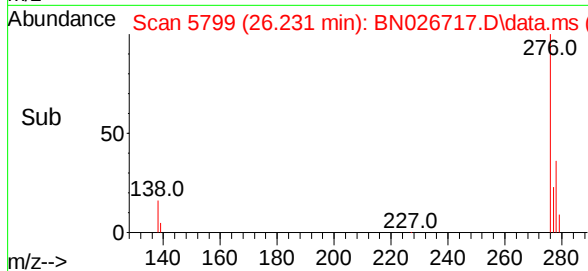
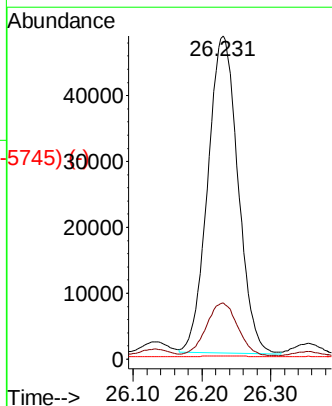
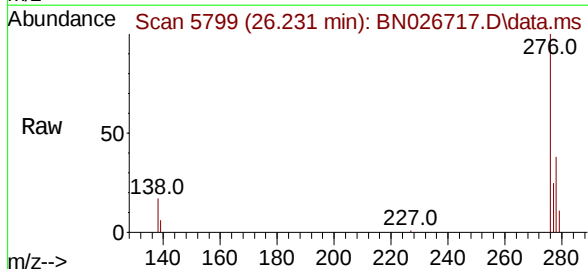


Abundance Scan 5803 (26.244 min): BN026713.D\data.ms (-5725) (-)



Indeno(1,2,3-cd)pyrene
Concen: 3.357 ng/uL
RT: 26.231 min Scan# 5799
Delta R.T. -0.020 min
Lab File: BN026717.D
Acq: 24 Jul 2023 17:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	22.2	33.4#
227	0.3	0.1	0.1#



Abundance Scan 5808 (26.261 min): BN026713.D\data.ms (-5728) (-)

Dibenzo(a,h)anthracene

Concen: 2.031 ng/ul

RT: 26.238 min Scan#

Delta R.T. -0.020 min

Lab File: BN026717.D

Acq: 24 Jul 2023 17:06

Ref

138.0

227.0

276.0

m/z-->

Abundance Scan 5801 (26.238 min): BN026717.D\data.ms

Raw

138.0

227.0

276.0

m/z-->

Abundance Scan 5801 (26.238 min): BN026717.D\data.ms (-5747) (-)

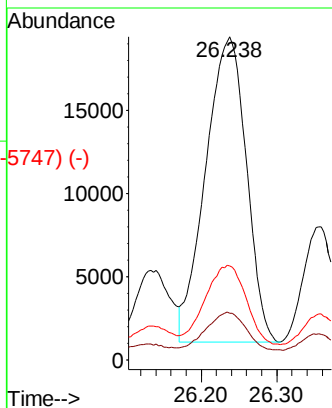
Sub

138.0

227.0

276.0

m/z-->



Tgt Ion:278 Resp: 6835

Ion Ratio Lower Upper

278 100

139 14.4 18.9 28.3

279 29.1 31.3 46.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023

Abundance Scan 6029 (27.002 min): BN026713.D\data.ms (-6029) (-)

Benzo(g,h,i)perylene

Concen: 0.199 ng/ul

RT: 26.989 min Scan# 6025

Delta R.T. -0.013 min

Lab File: BN026717.D

Acq: 24 Jul 2023 17:06

Ref

138.0

227.0

276.0

m/z-->

Abundance Scan 6025 (26.989 min): BN026717.D\data.ms

Raw

138.0

227.0

276.0

m/z-->

Abundance Scan 6025 (26.989 min): BN026717.D\data.ms (-5969) (-)

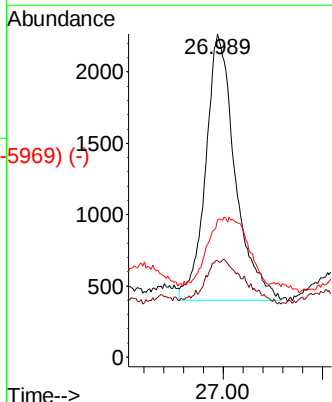
Sub

138.0

227.0

276.0

m/z-->



Tgt Ion:276 Resp: 7705

Ion Ratio Lower Upper

276 100

138 30.0 22.6 34.0

277 42.6 21.8 32.8#