

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100523\
 Data File : BN028069.D
 Acq On : 06 Oct 2023 04:16
 Operator : MA/JU
 Sample : 04469-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EZYM1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/07/2023

Quant Time: Oct 06 05:20:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 05:15:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	4467	0.400	ng/ul	0.00
4) Naphthalene-d8	10.757	136	13719	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.587	164	7487	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.342	188	15018	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.527	240	12657	0.400	ng/ul	# 0.00
23) Perylene-d12	23.998	264	13825	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	18502	3.298	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.341	152	3585	0.162	ng/ul	0.00
18) Fluoranthene-d10	19.367	212	7051	0.176	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.812	128	7355	0.189	ng/ul	98
7) 2-Methylnaphthalene	12.418	142	4902	0.199	ng/ul	99
8) 1-Methylnaphthalene	12.632	142	3067	0.121	ng/ul	97
10) Acenaphthylene	14.314	152	38748	1.141	ng/ul	99
11) Acenaphthene	14.647	153	7662	0.283	ng/ul	99
12) Fluorene	15.637	166	6754	0.225	ng/ul#	93
15) Phenanthrene	17.384	178	107961	2.412	ng/ul	99
16) Anthracene	17.477	178	95051	2.374	ng/ul	99
19) Fluoranthene	19.399	202	634875	13.136	ng/ul	99
20) Pyrene	19.766	202	879377	17.556	ng/ul	99
21) Benzo(a)anthracene	21.510	228	406228	8.790	ng/ul	97
22) Chrysene	21.565	228	494012	10.585	ng/ul	96
24) Benzo(b)fluoranthene	23.234	252	625424m	12.200	ng/ul	
25) Benzo(k)fluoranthene	23.278	252	193608m	3.796	ng/ul	
26) Benzo(a)pyrene	23.889	252	333627	7.633	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.593	276	274625	5.193	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.606	278	79981	1.859	ng/ul#	56
29) Benzo(g,h,i)perylene	27.411	276	286782	6.632	ng/ul	96

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

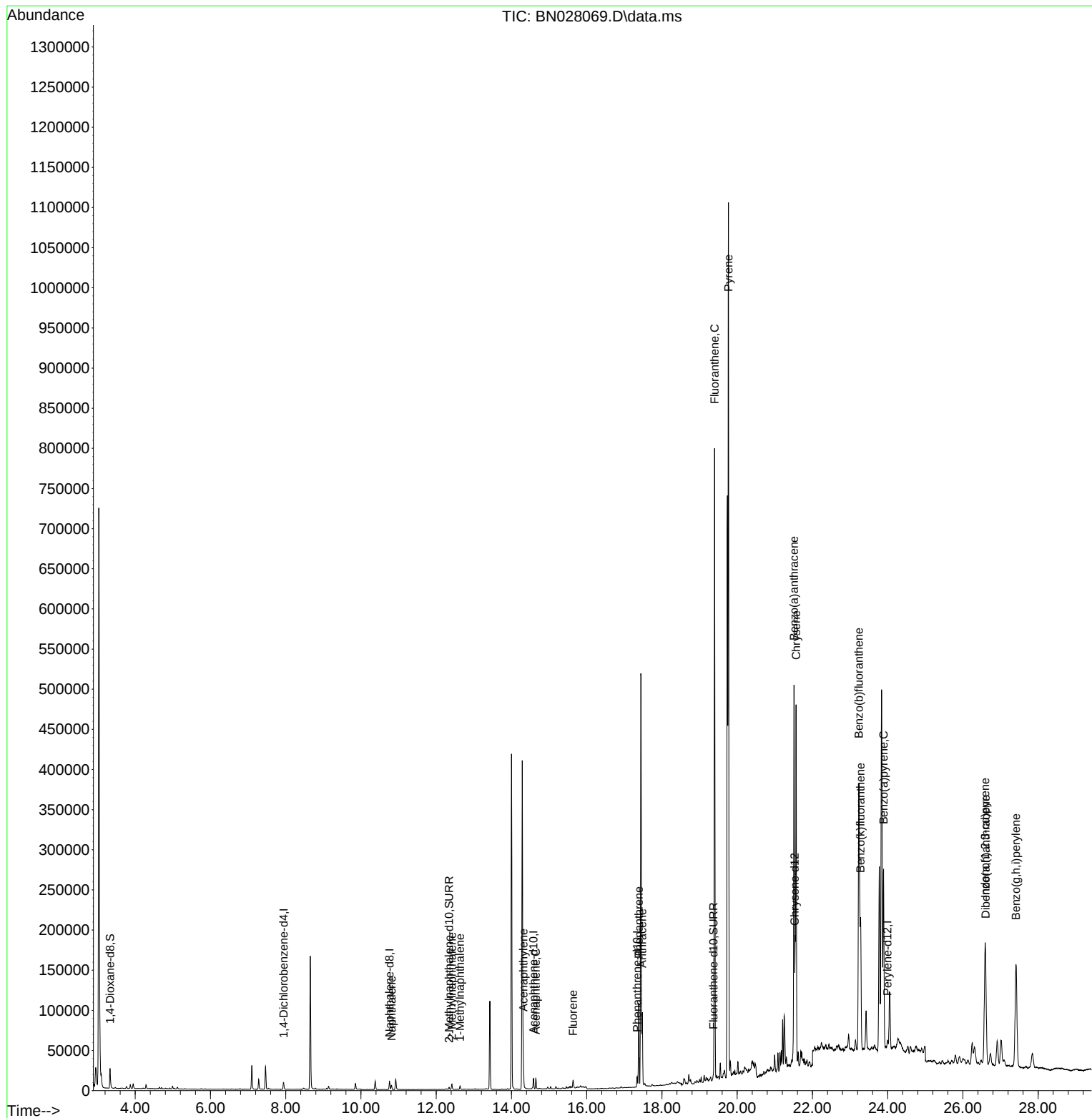
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100523\
Data File : BN028069.D
Acq On : 06 Oct 2023 04:16
Operator : MA/JU
Sample : 04469-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

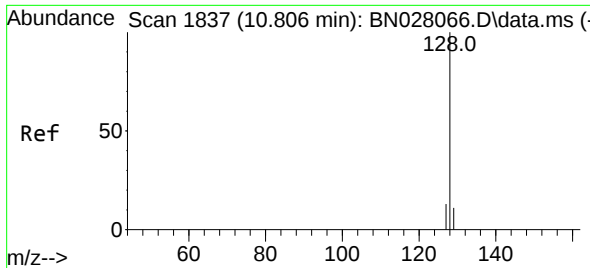
Instrument :
BNA_N
ClientSampleId :
EZYM1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023

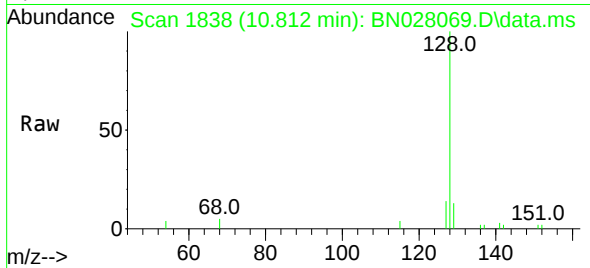
Quant Time: Oct 06 05:20:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 05:15:40 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.189 ng/ul
RT: 10.812 min Scan# 11
Delta R.T. 0.006 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

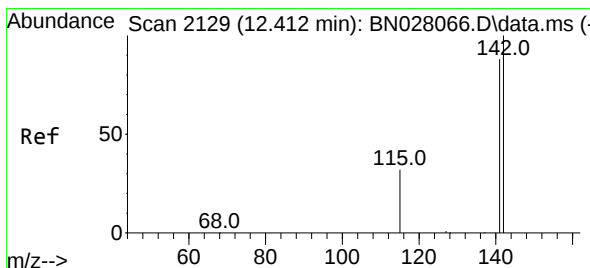
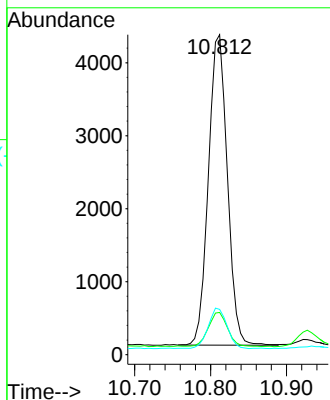
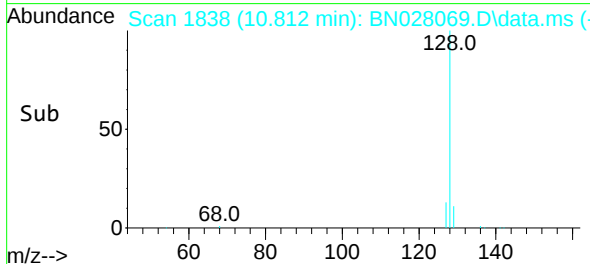
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:128 Resp: 735
Ion Ratio Lower Upper
128 100
129 13.2 9.4 14.0
127 14.1 11.0 16.4

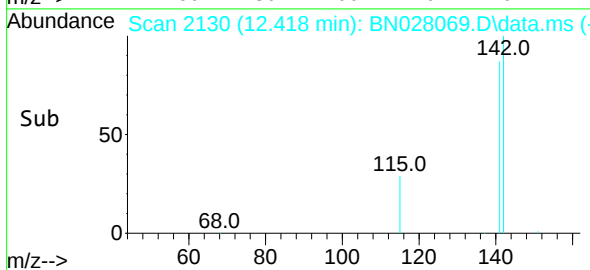
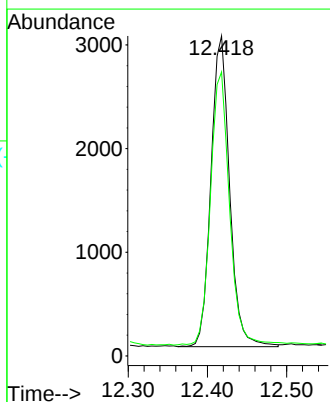
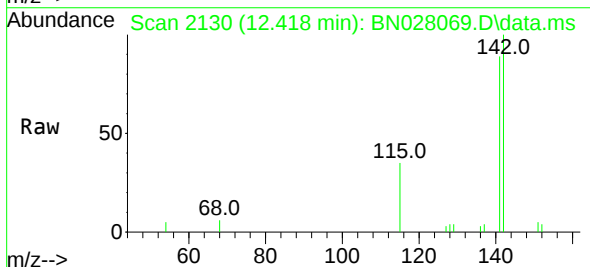
Manual Integrations
APPROVED

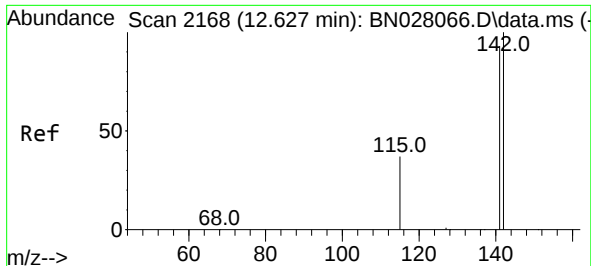
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#7
2-Methylnaphthalene
Concen: 0.199 ng/ul
RT: 12.418 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

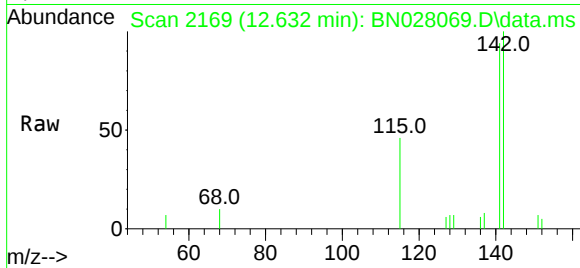
Tgt Ion:142 Resp: 4902
Ion Ratio Lower Upper
142 100
141 89.7 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.121 ng/ul
RT: 12.632 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

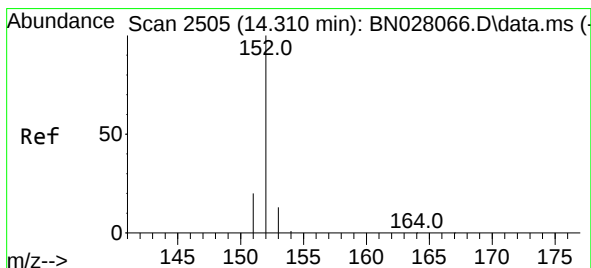
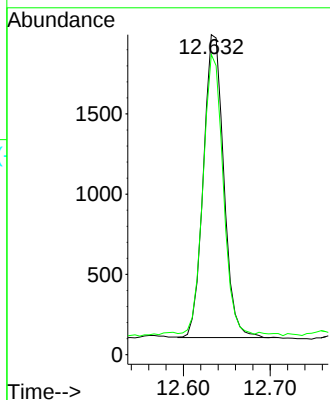
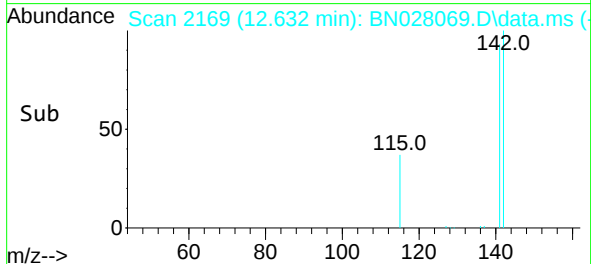
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:142 Resp: 306
Ion Ratio Lower Upper
142 100
141 90.1 74.4 111.6

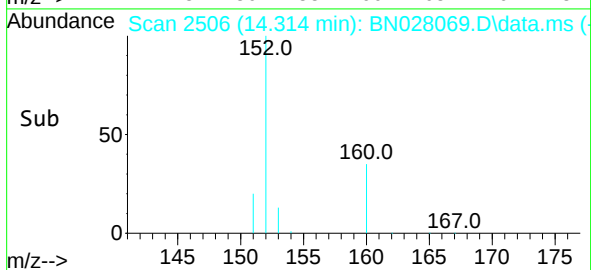
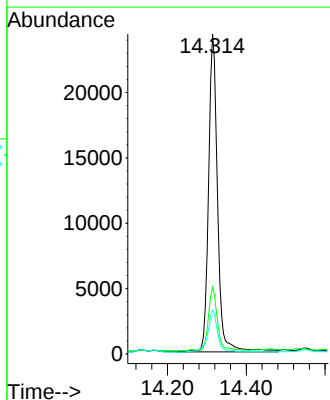
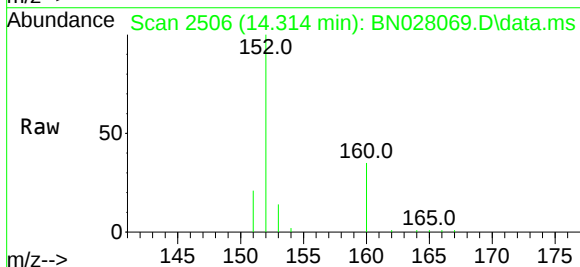
Manual Integrations
APPROVED

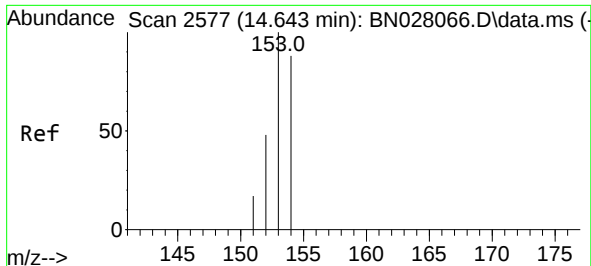
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#10
Acenaphthylene
Concen: 1.141 ng/ul
RT: 14.314 min Scan# 2506
Delta R.T. 0.005 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

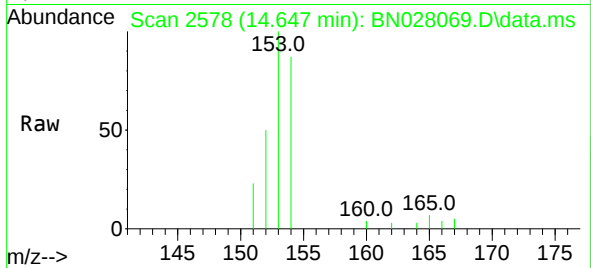
Tgt Ion:152 Resp: 38748
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 13.7 10.9 16.3





#11
Acenaphthene
Concen: 0.283 ng/ul
RT: 14.647 min Scan# 21
Delta R.T. 0.005 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

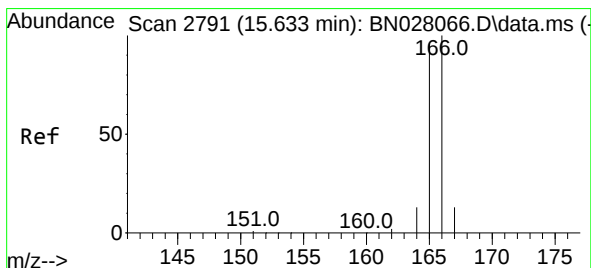
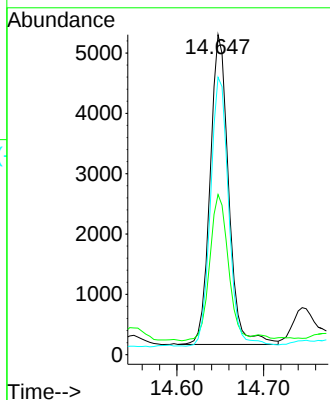
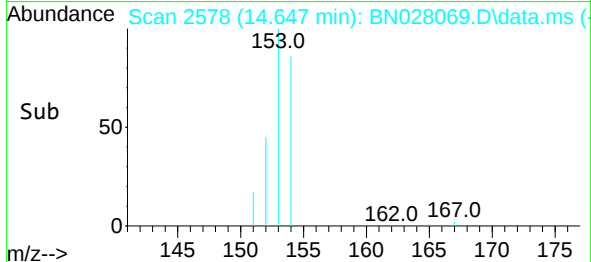
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:153 Resp: 7662
Ion Ratio Lower Upper
153 100
152 50.1 39.4 59.0
154 86.7 70.2 105.4

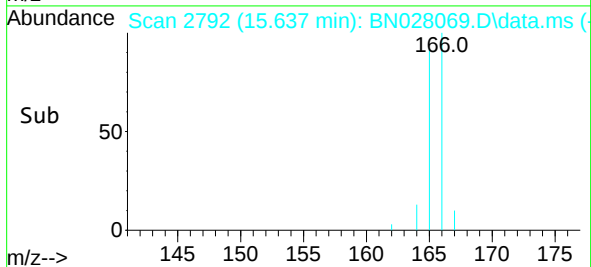
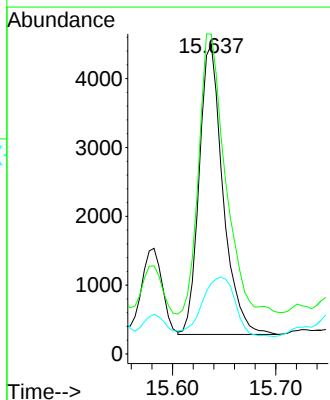
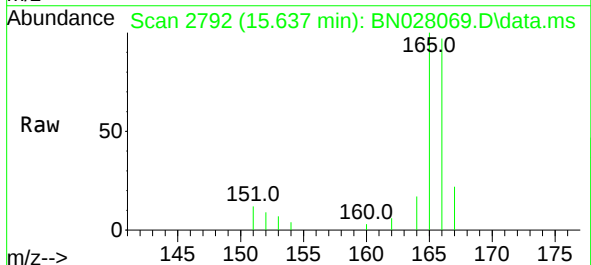
Manual Integrations
APPROVED

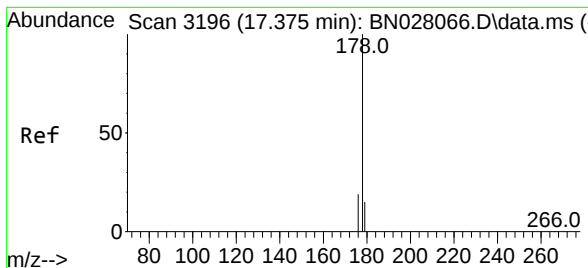
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#12
Fluorene
Concen: 0.225 ng/ul
RT: 15.637 min Scan# 2792
Delta R.T. 0.005 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

Tgt Ion:166 Resp: 6754
Ion Ratio Lower Upper
166 100
165 103.4 78.5 117.7
167 22.9 11.2 16.8#





#15

Phenanthrene

Concen: 2.412 ng/u1

RT: 17.384 min Scan# 3196

Delta R.T. 0.009 min

Lab File: BN028069.D

Acq: 06 Oct 2023 04:16

Instrument :

BNA_N

ClientSampleId :

EZYM1

Tgt Ion:178 Resp: 10796

Ion Ratio Lower Upper

178 100

179 16.4 12.6 19.0

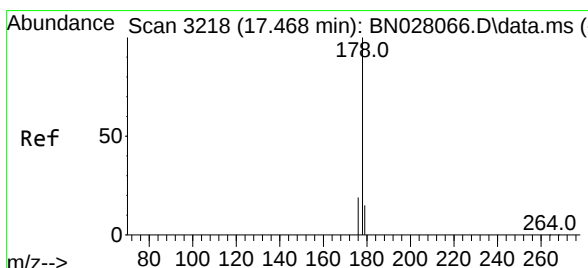
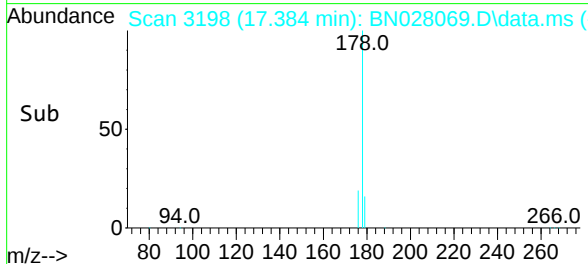
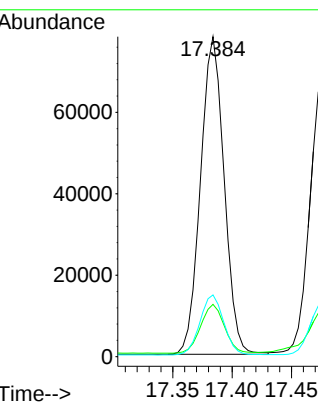
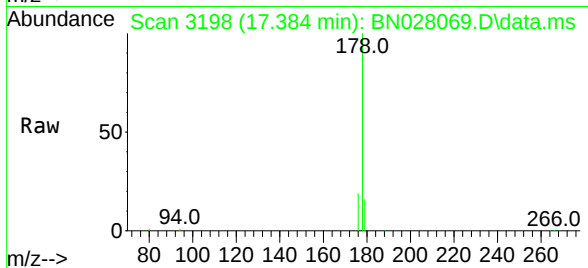
176 19.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2023

Supervised By :mohammad ahmed 10/07/2023



#16

Anthracene

Concen: 2.374 ng/u1

RT: 17.477 min Scan# 3220

Delta R.T. 0.008 min

Lab File: BN028069.D

Acq: 06 Oct 2023 04:16

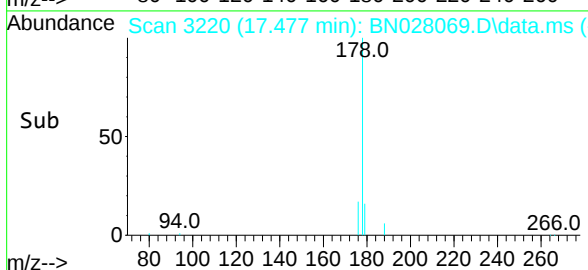
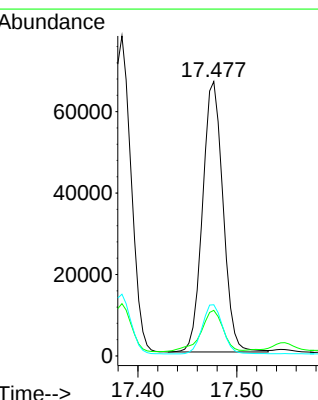
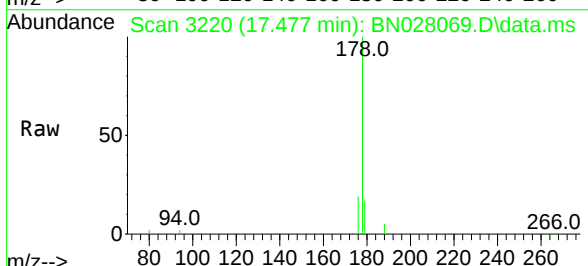
Tgt Ion:178 Resp: 95051

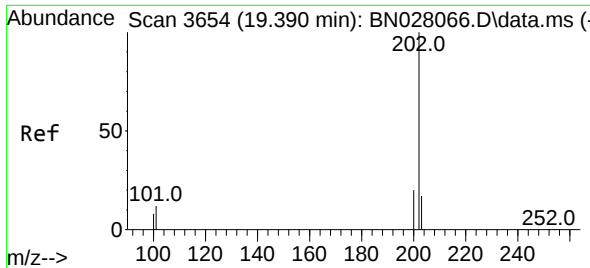
Ion Ratio Lower Upper

178 100

179 16.6 12.8 19.2

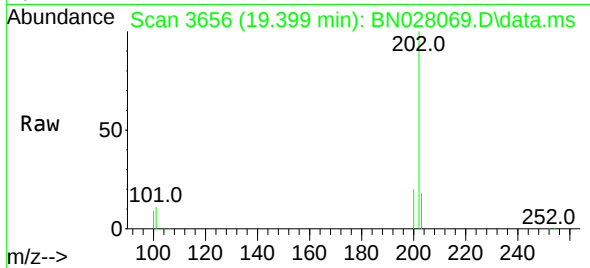
176 18.6 15.0 22.6





#19
Fluoranthene
Concen: 13.136 ng/u1
RT: 19.399 min Scan# 30
Delta R.T. 0.009 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

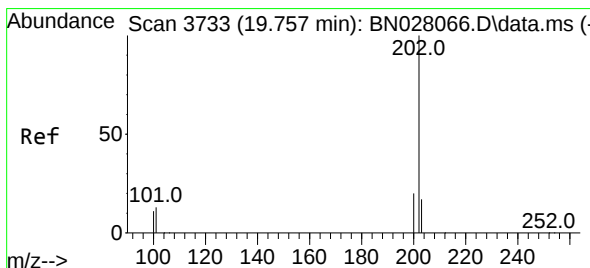
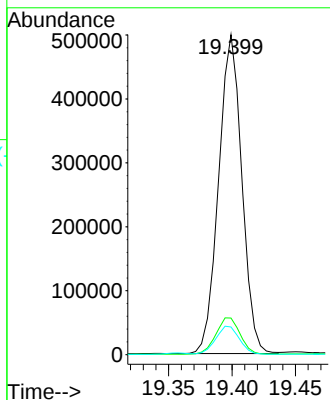
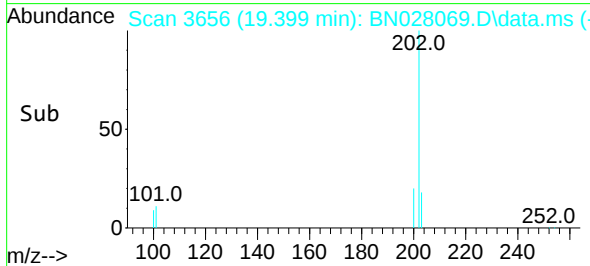
Instrument :
BNA_N
ClientSampleId :
EZYM1



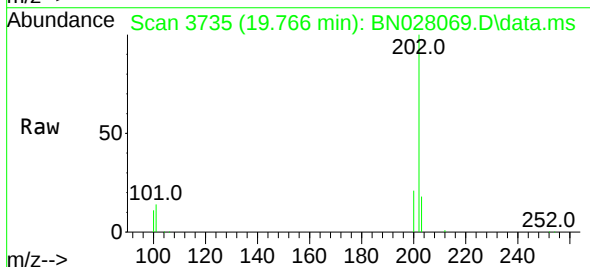
Tgt Ion:202 Resp: 634875
Ion Ratio Lower Upper
202 100
101 11.5 9.6 14.4
100 8.6 7.4 11.0

Manual Integrations
APPROVED

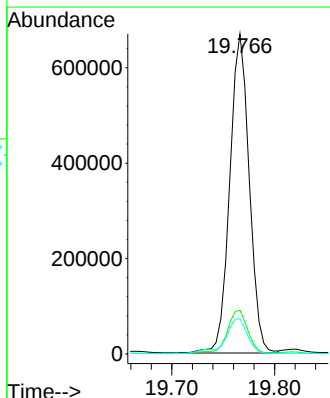
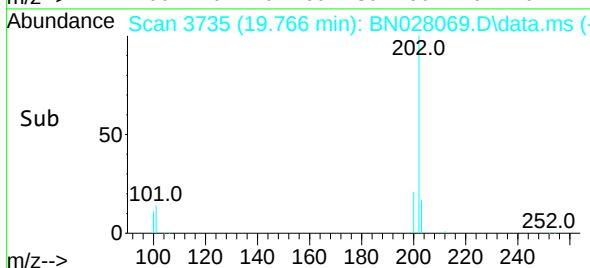
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023

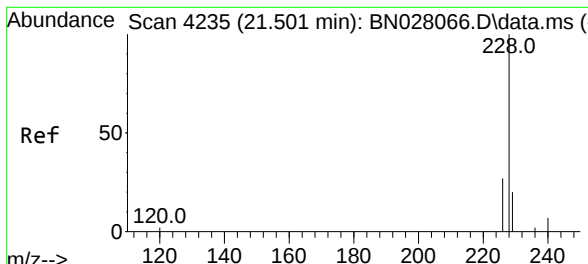


#20
Pyrene
Concen: 17.556 ng/u1
RT: 19.766 min Scan# 3735
Delta R.T. 0.009 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16



Tgt Ion:202 Resp: 879377
Ion Ratio Lower Upper
202 100
101 13.7 11.2 16.8
100 11.0 9.1 13.7





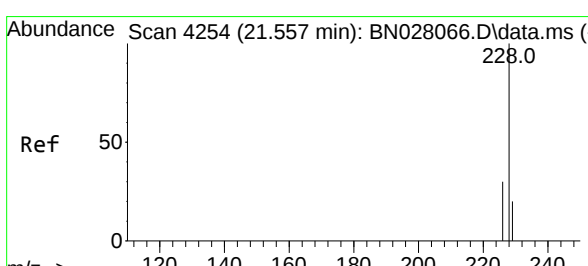
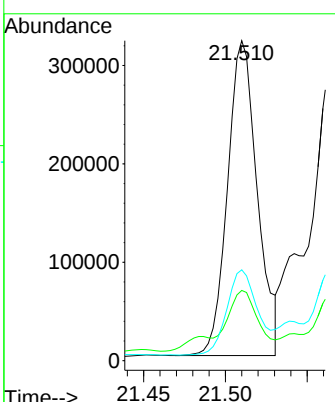
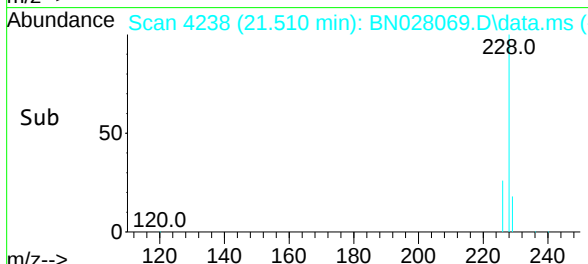
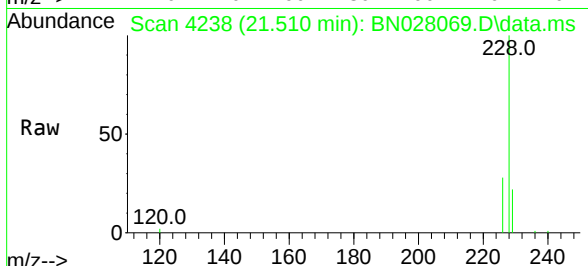
#21
Benzo(a)anthracene
Concen: 8.790 ng/u1
RT: 21.510 min Scan# 4235
Delta R.T. 0.009 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

Instrument : BNA_N
ClientSampleId : EZYM1

Tgt Ion:228 Resp: 406228

Ion	Ratio	Lower	Upper
228	100		
229	22.0	16.0	24.0
226	28.4	21.5	32.3

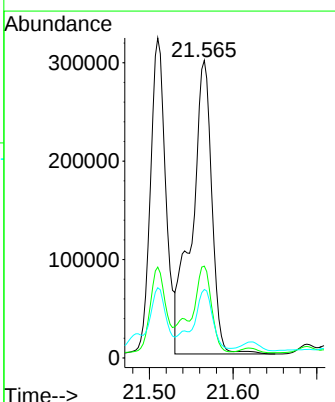
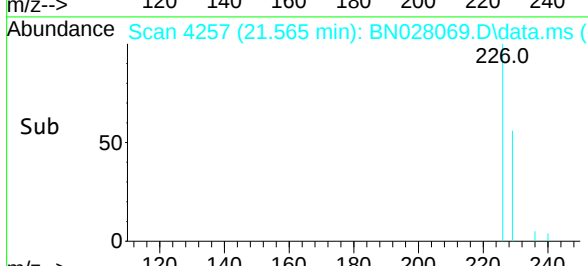
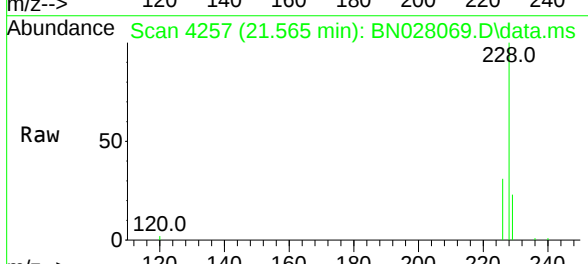
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023

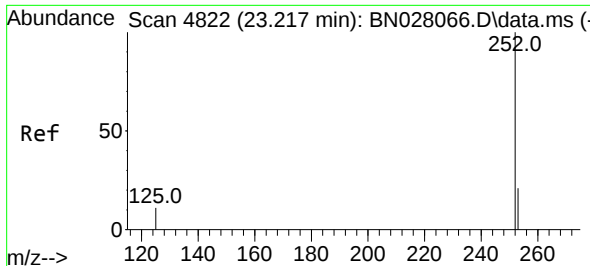


#22
Chrysene
Concen: 10.585 ng/u1
RT: 21.565 min Scan# 4257
Delta R.T. 0.009 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

Tgt Ion:228 Resp: 494012

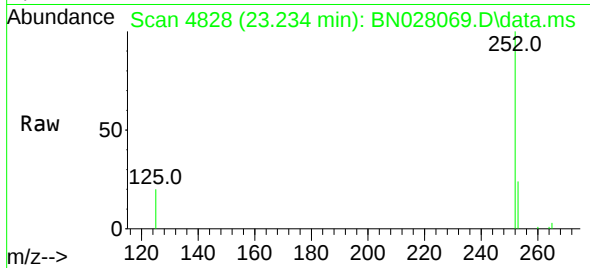
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.8
229	23.0	16.0	24.0





#24
Benzo(b)fluoranthene
Concen: 12.200 ng/ul m
RT: 23.234 min Scan# 4828
Delta R.T. 0.018 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

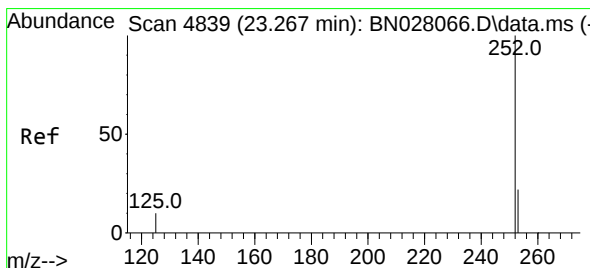
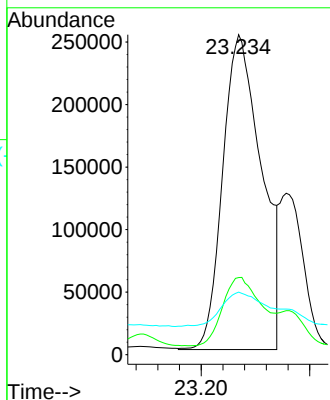
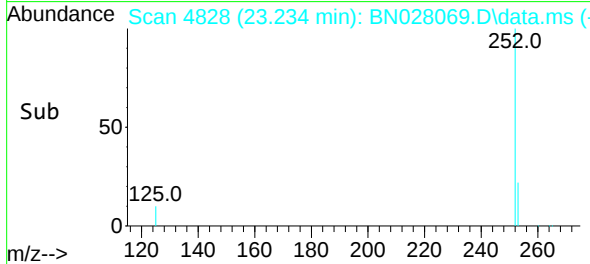
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:252 Resp: 625424
Ion Ratio Lower Upper
252 100
253 24.1 0.0 54.0
125 19.6 0.0 31.4

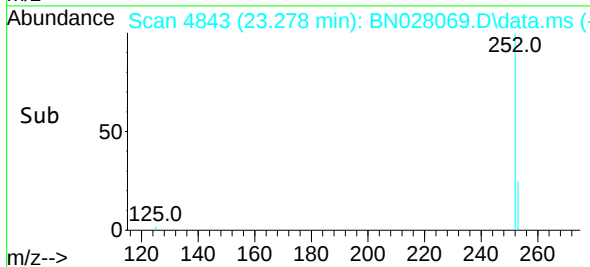
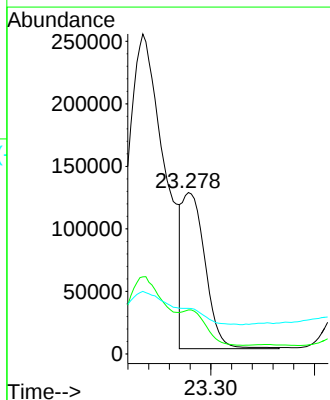
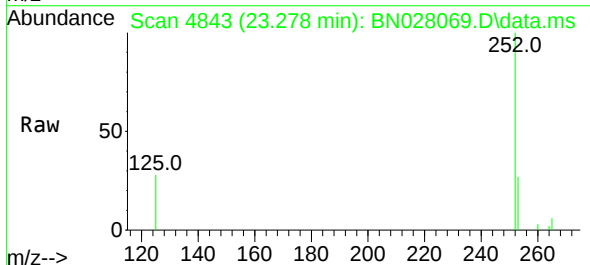
Manual Integrations
APPROVED

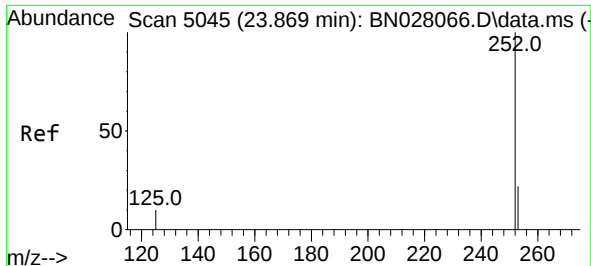
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#25
Benzo(k)fluoranthene
Concen: 3.796 ng/ul m
RT: 23.278 min Scan# 4843
Delta R.T. 0.012 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

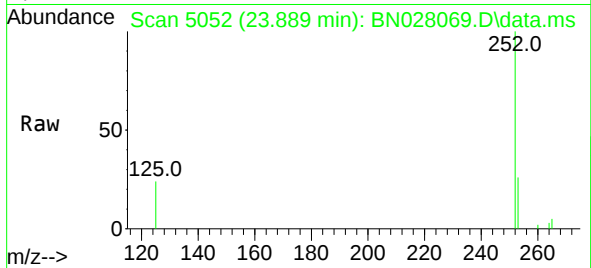
Tgt Ion:252 Resp: 193608
Ion Ratio Lower Upper
252 100
253 27.3 21.8 32.8
125 28.3 12.8 19.2#





#26
Benzo(a)pyrene
Concen: 7.633 ng/u1
RT: 23.889 min Scan# 5045
Delta R.T. 0.021 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

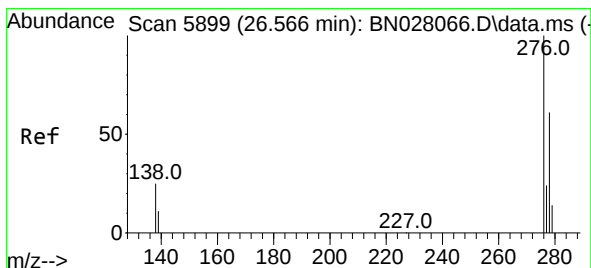
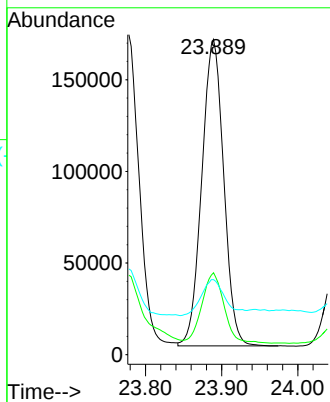
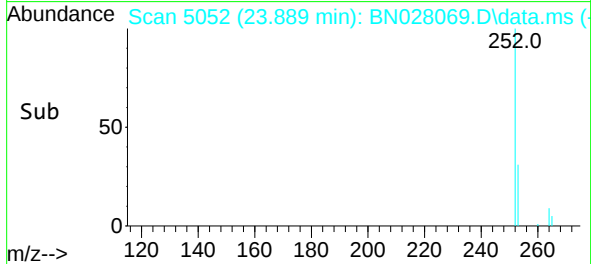
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:252 Resp: 333625
Ion Ratio Lower Upper
252 100
253 26.0 23.4 35.2
125 23.8 15.3 22.9

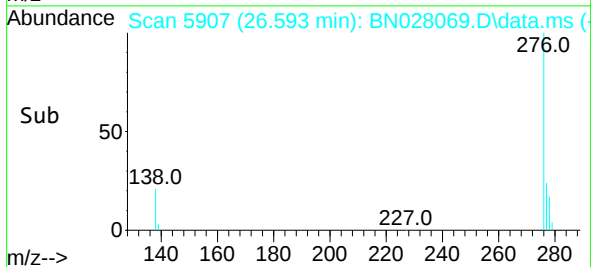
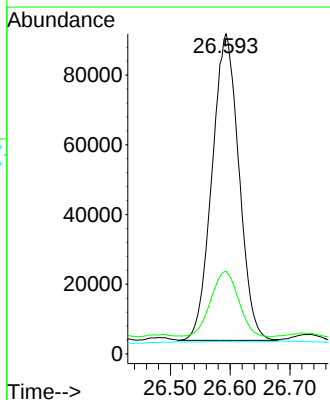
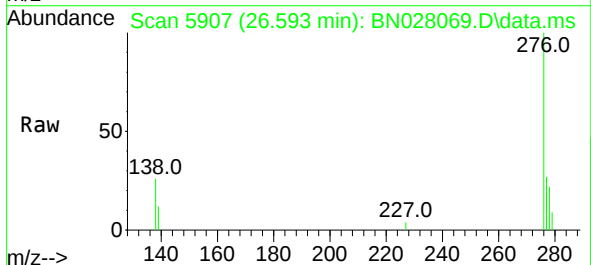
Manual Integrations
APPROVED

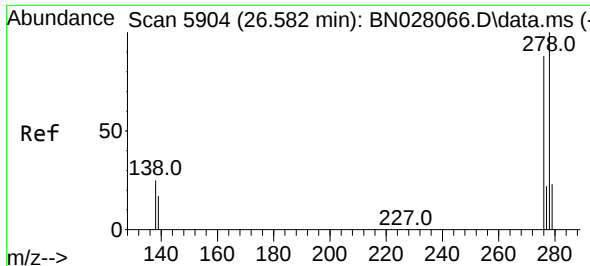
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.193 ng/u1
RT: 26.593 min Scan# 5907
Delta R.T. 0.027 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

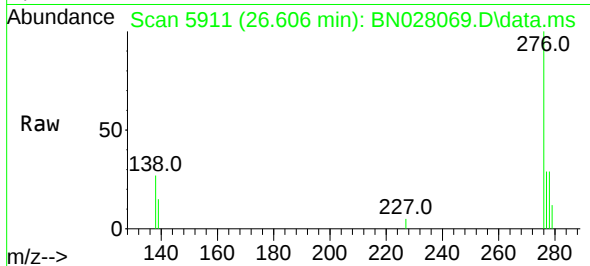
Tgt Ion:276 Resp: 274625
Ion Ratio Lower Upper
276 100
138 22.2 21.6 32.4
227 0.5 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 1.859 ng/ul
RT: 26.606 min Scan# 5911
Delta R.T. 0.024 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

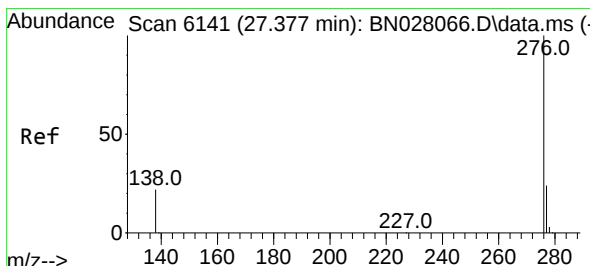
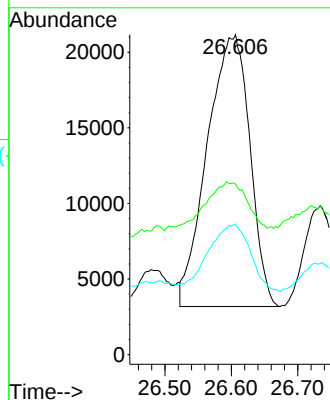
Instrument :
BNA_N
ClientSampleId :
EZYM1



Tgt Ion:278 Resp: 7998
Ion Ratio Lower Upper
278 100
139 53.4 15.9 23.9
279 40.8 22.8 34.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/07/2023



#29
Benzo(g,h,i)perylene
Concen: 6.632 ng/ul
RT: 27.411 min Scan# 6151
Delta R.T. 0.034 min
Lab File: BN028069.D
Acq: 06 Oct 2023 04:16

Tgt Ion:276 Resp: 286782
Ion Ratio Lower Upper
276 100
138 27.0 19.8 29.6
277 27.2 20.6 31.0

