

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
 Data File : BN032787.D
 Acq On : 17 Jul 2024 19:39
 Operator : MA/JU
 Sample : P3100-23DL 5X
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D51DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 17 23:32:47 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	7.540	152	5064	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.316	136	14851	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.193	164	8144	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.953	188	15331	0.400	ng/ul	-0.01
17) Chrysene-d12	21.168	240	14873	0.400	ng/ul	# 0.00
23) Perylene-d12	23.365	264	17838	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	3914	0.644	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.916	152	1183	0.053	ng/ul	-0.02
18) Fluoranthene-d10	18.994	212	2608	0.054	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.365	128	2097	0.053	ng/ul#	83
7) 2-Methylnaphthalene	11.993	142	2850	0.114	ng/ul	96
8) 1-Methylnaphthalene	12.213	142	4215	0.164	ng/ul	99
10) Acenaphthylene	13.915	152	38945	1.184	ng/ul	100
11) Acenaphthene	14.258	153	12803	0.471	ng/ul	99
12) Fluorene	15.252	166	43279	1.391	ng/ul	98
15) Phenanthrene	16.995	178	525647	12.589	ng/ul	98
16) Anthracene	17.088	178	145092	4.253	ng/ul	98
19) Fluoranthene	19.027	202	895256	14.805	ng/ul	97
20) Pyrene	19.394	202	534710	8.543	ng/ul	96
21) Benzo(a)anthracene	21.150	228	425839	8.995	ng/ul	100
22) Chrysene	21.203	228	372440	5.438	ng/ul	98
24) Benzo(b)fluoranthene	22.710	252	490788m	7.798	ng/ul	
25) Benzo(k)fluoranthene	22.746	252	193219m	2.519	ng/ul	
26) Benzo(a)pyrene	23.269	252	228404	4.193	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.576	276	172088	2.333	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.572	278	63651	1.113	ng/ul	94
29) Benzo(g,h,i)perylene	26.257	276	106738	1.732	ng/ul	99

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

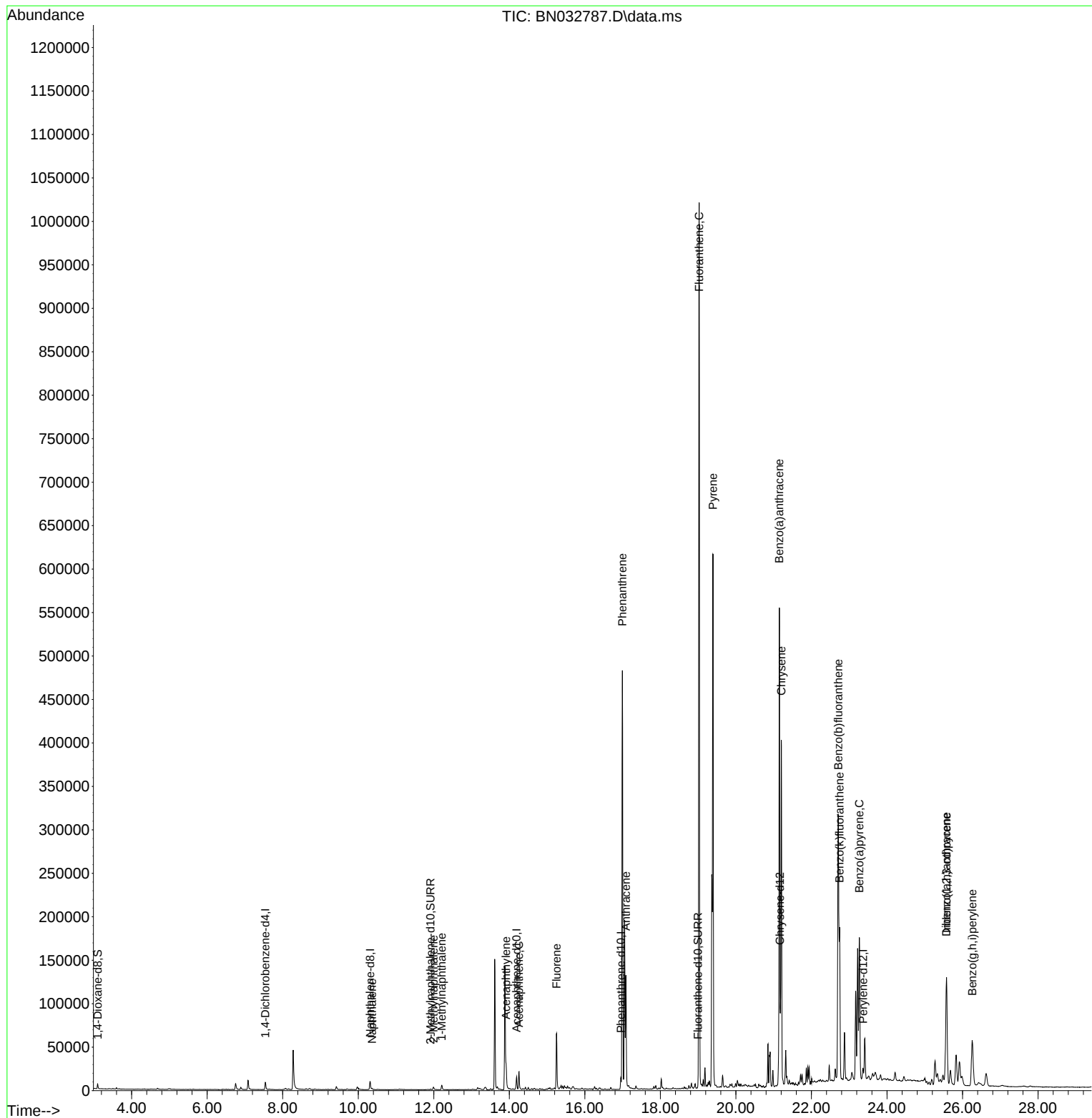
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071624\
Data File : BN032787.D
Acq On : 17 Jul 2024 19:39
Operator : MA/JU
Sample : P3100-23DL 5X
Misc :
ALS Vial : 58 Sample Multiplier: 1

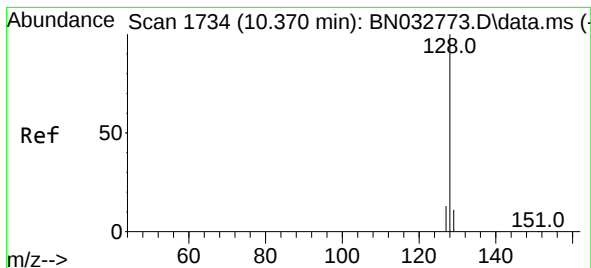
Instrument :
BNA_N
ClientSampleId :
A4D51DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 17 23:32:47 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: 0.053 ng/uI

RT: 10.365 min Scan# 11

Delta R.T. -0.006 min

Lab File: BN032787.D

Acq: 17 Jul 2024 19:39

Instrument :

BNA_N

ClientSampleId :

A4D51DL

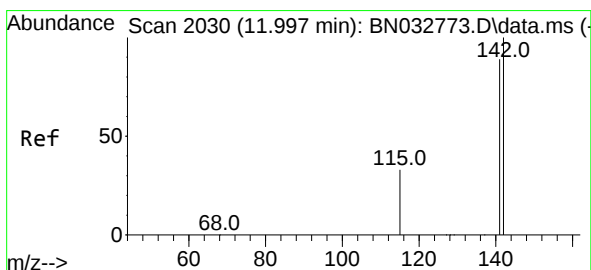
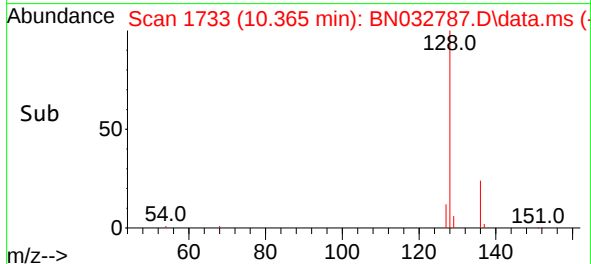
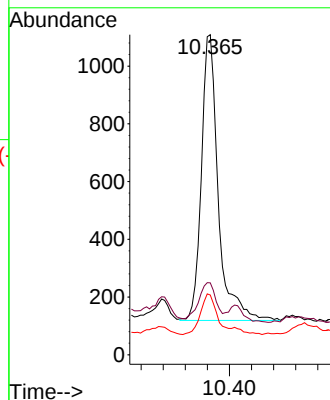
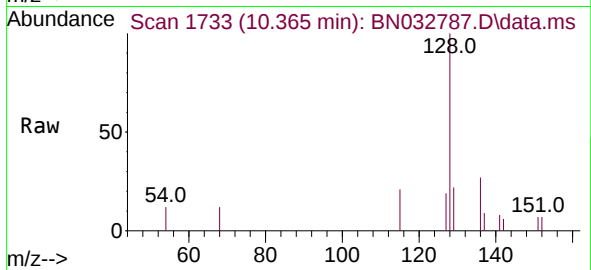
Tgt Ion:128	Resp:	209
Ion Ratio	Lower	Upper
128	100	
129	22.5	10.0 15.0
127	18.7	11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#7

2-Methylnaphthalene

Concen: 0.114 ng/uI

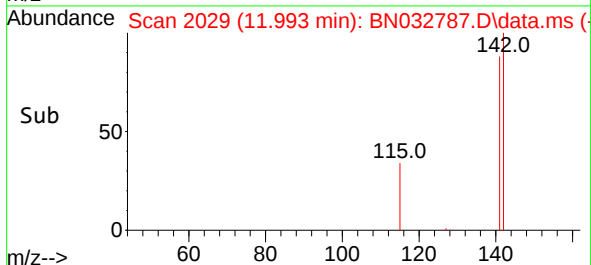
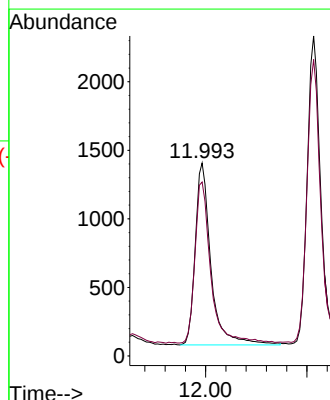
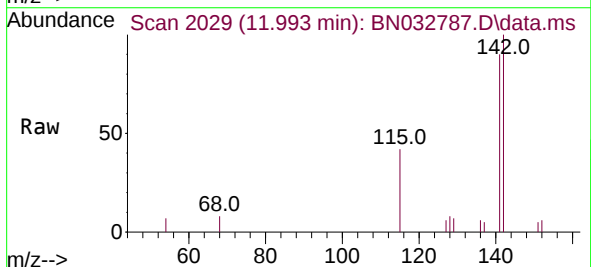
RT: 11.993 min Scan# 2029

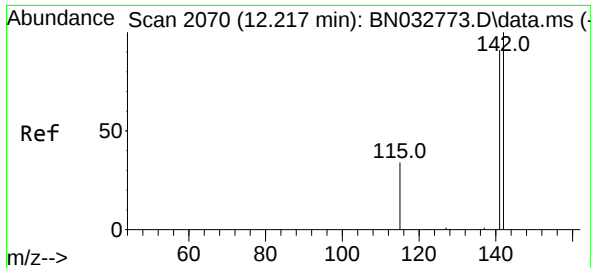
Delta R.T. -0.011 min

Lab File: BN032787.D

Acq: 17 Jul 2024 19:39

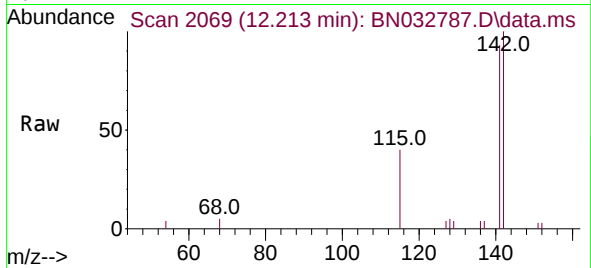
Tgt Ion:142	Resp:	2850
Ion Ratio	Lower	Upper
142	100	
141	88.9	74.0 111.0





#8
1-Methylnaphthalene
Concen: 0.164 ng/ul
RT: 12.213 min Scan# 2070
Delta R.T. -0.006 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

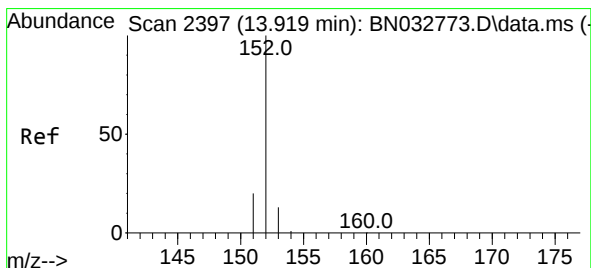
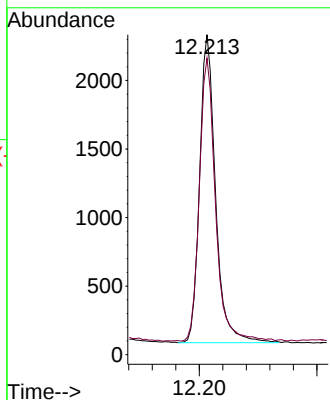
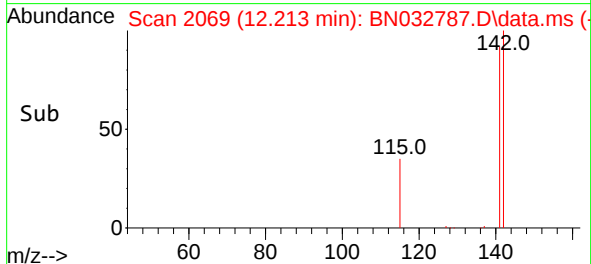
Instrument :
BNA_N
ClientSampleId :
A4D51DL



Tgt Ion:142 Resp: 4215
Ion Ratio Lower Upper
142 100
141 92.8 75.0 112.4

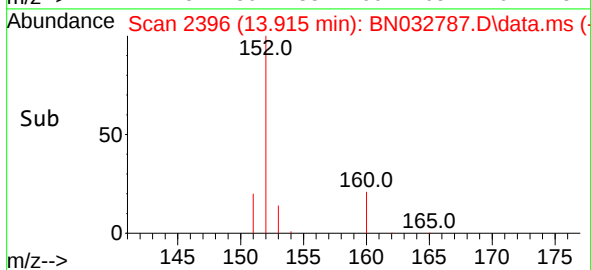
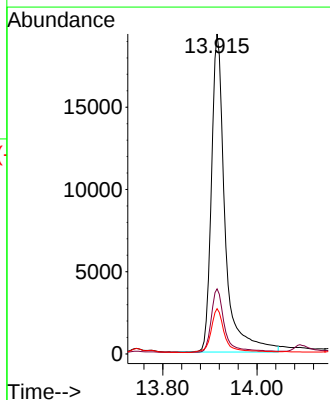
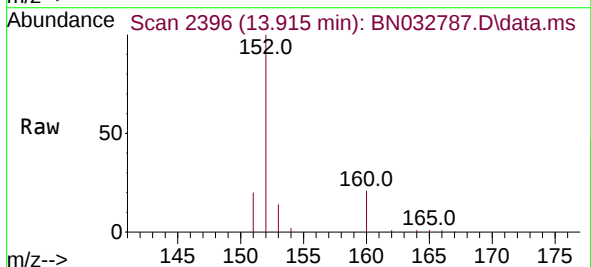
Manual Integrations
APPROVED

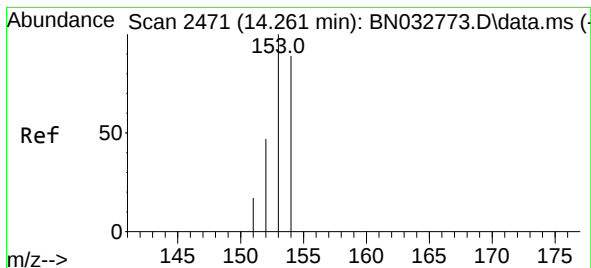
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#10
Acenaphthylene
Concen: 1.184 ng/ul
RT: 13.915 min Scan# 2396
Delta R.T. -0.005 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

Tgt Ion:152 Resp: 38945
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 14.1 11.3 16.9





#11

Acenaphthene

Concen: 0.471 ng/ul

RT: 14.258 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BN032787.D

Acq: 17 Jul 2024 19:39

Instrument :

BNA_N

ClientSampleId :

A4D51DL

Tgt Ion:153 Resp: 1280

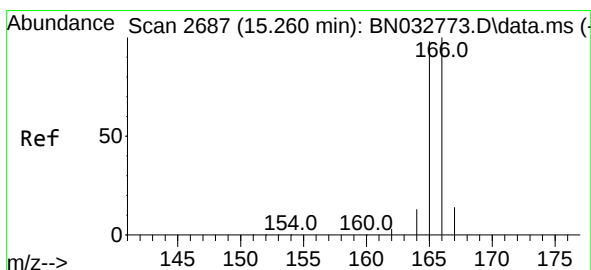
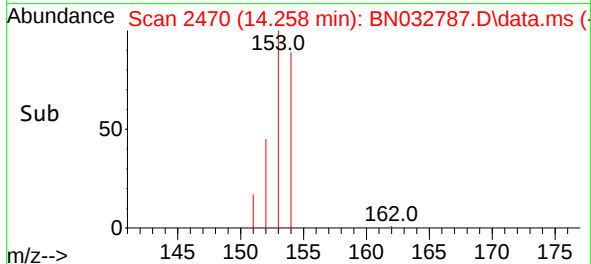
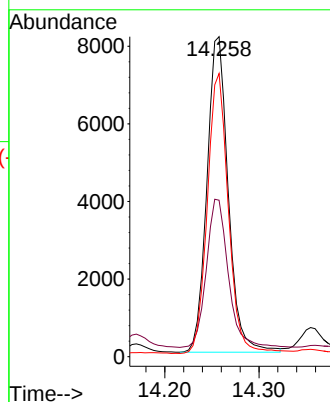
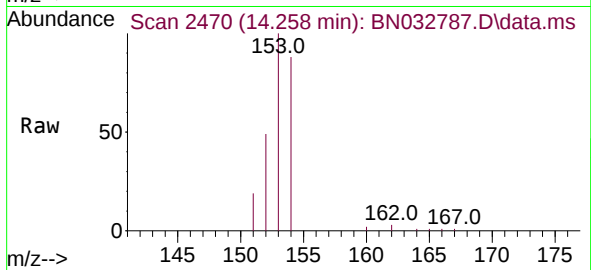
Ion	Ratio	Lower	Upper
153	100		
152	48.9	40.0	60.0
154	88.5	70.2	105.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#12

Fluorene

Concen: 1.391 ng/ul

RT: 15.252 min Scan# 2685

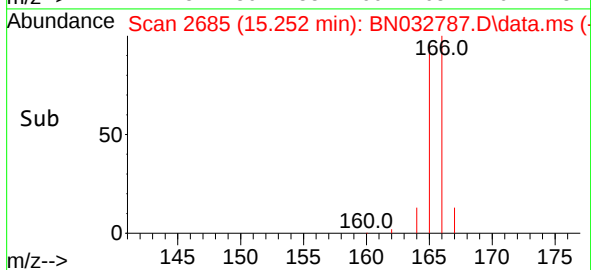
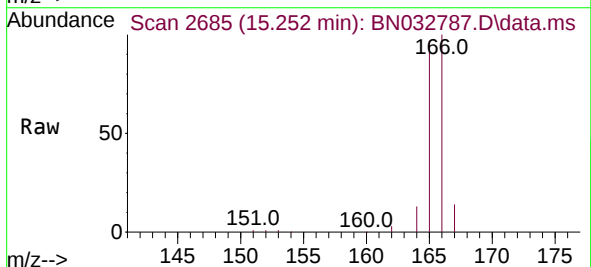
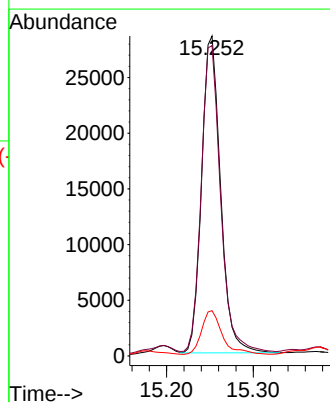
Delta R.T. -0.014 min

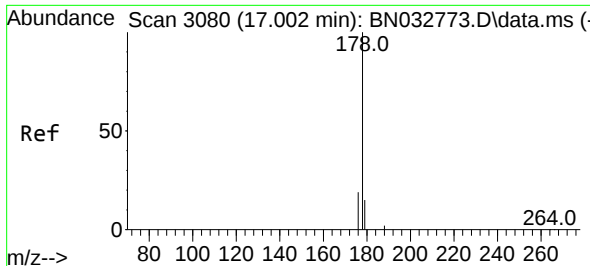
Lab File: BN032787.D

Acq: 17 Jul 2024 19:39

Tgt Ion:166 Resp: 43279

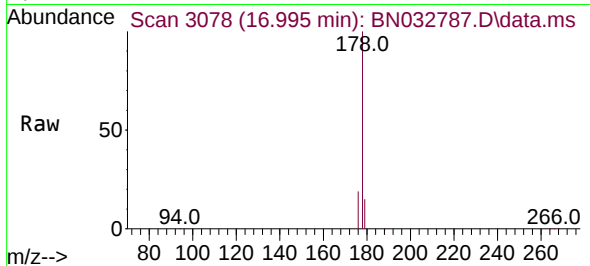
Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.7	119.5
167	14.2	11.4	17.2





#15
Phenanthrene
Concen: 12.589 ng/ul
RT: 16.995 min Scan# 3080
Delta R.T. -0.013 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

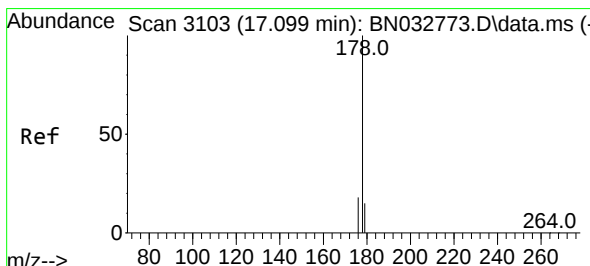
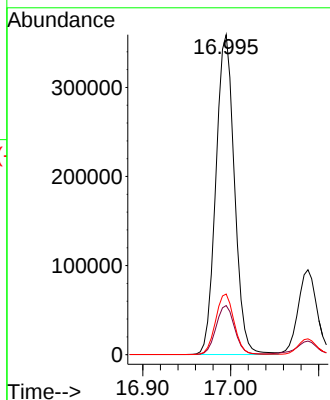
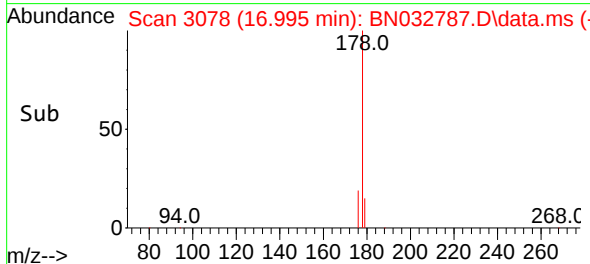
Instrument :
BNA_N
ClientSampleId :
A4D51DL



Tgt Ion:178 Resp: 52564
Ion Ratio Lower Upper
178 100
179 15.4 13.0 19.4
176 18.9 15.6 23.4

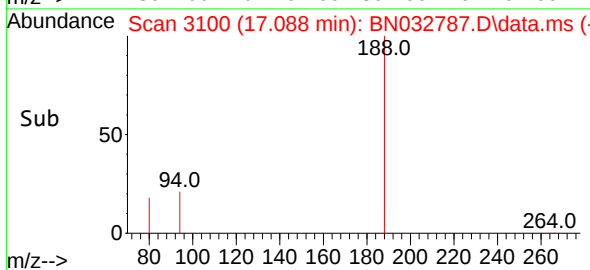
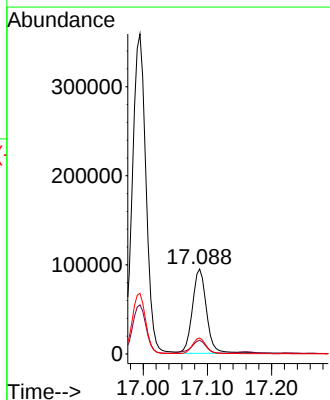
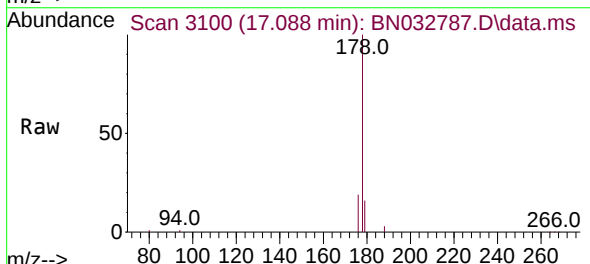
Manual Integrations
APPROVED

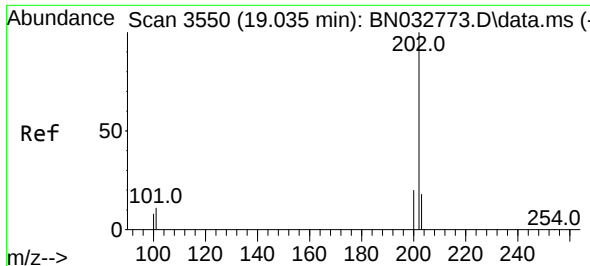
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#16
Anthracene
Concen: 4.253 ng/ul
RT: 17.088 min Scan# 3100
Delta R.T. -0.017 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

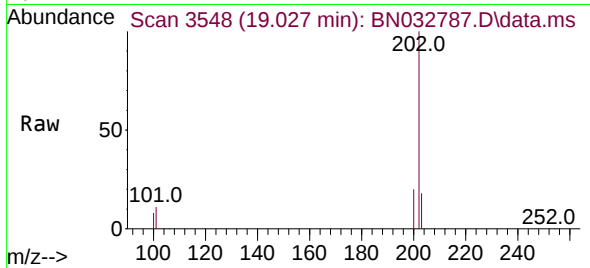
Tgt Ion:178 Resp: 145092
Ion Ratio Lower Upper
178 100
179 15.9 13.4 20.2
176 18.6 15.4 23.0





#19
Fluoranthene
Concen: 14.805 ng/u1
RT: 19.027 min Scan# 3548
Delta R.T. -0.005 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

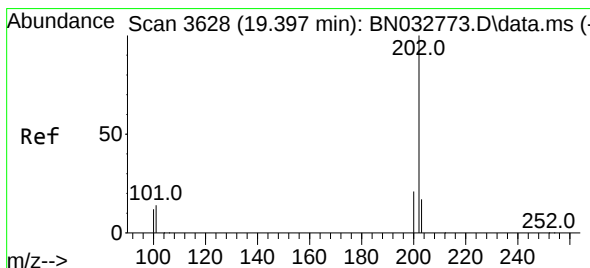
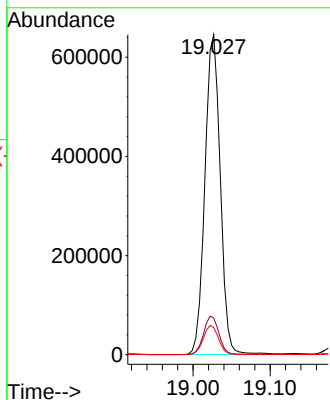
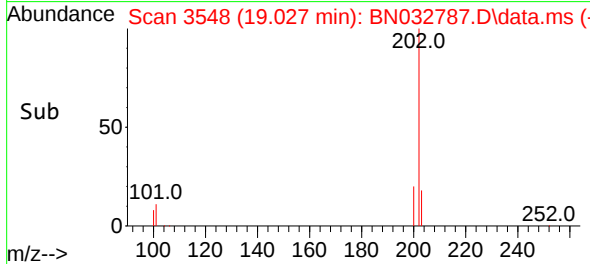
Instrument :
BNA_N
ClientSampleId :
A4D51DL



Tgt Ion:202 Resp: 895250
Ion Ratio Lower Upper
202 100
101 11.5 9.8 14.8
100 8.5 7.9 11.9

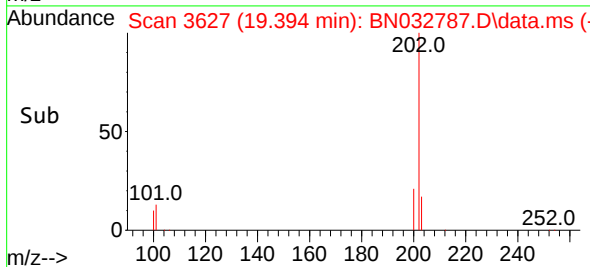
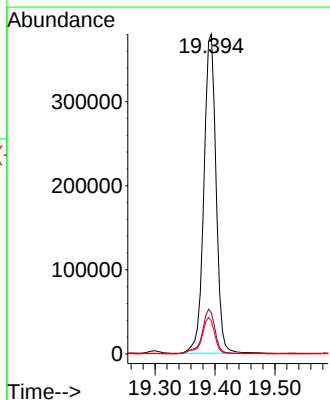
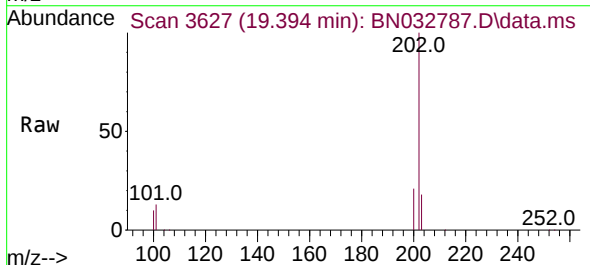
Manual Integrations
APPROVED

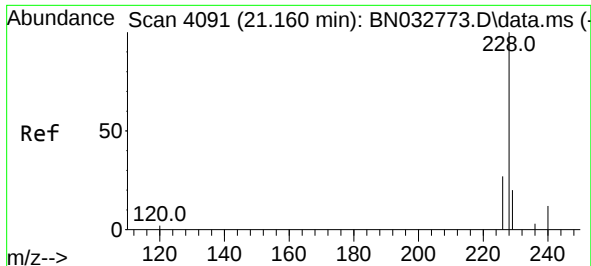
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#20
Pyrene
Concen: 8.543 ng/u1
RT: 19.394 min Scan# 3627
Delta R.T. -0.005 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

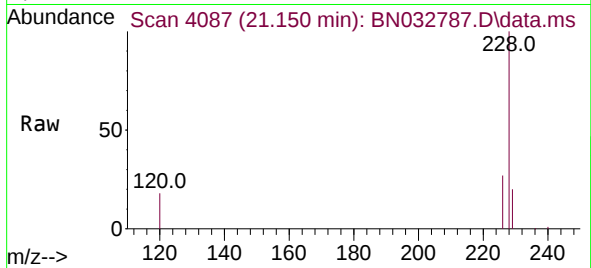
Tgt Ion:202 Resp: 534710
Ion Ratio Lower Upper
202 100
101 12.9 11.8 17.6
100 10.3 9.6 14.4





#21
Benzo(a)anthracene
Concen: 8.995 ng/ul
RT: 21.150 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

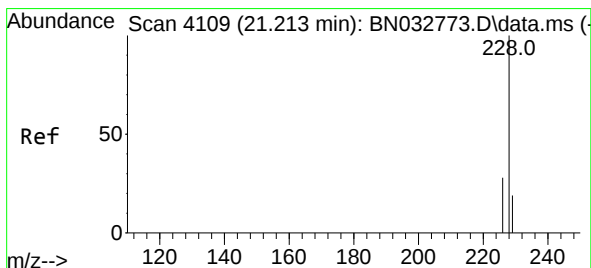
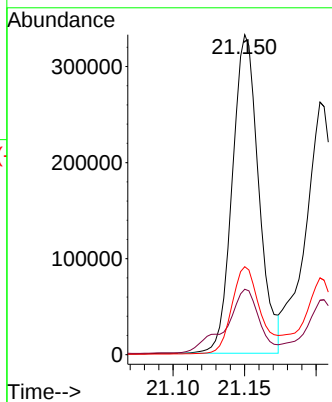
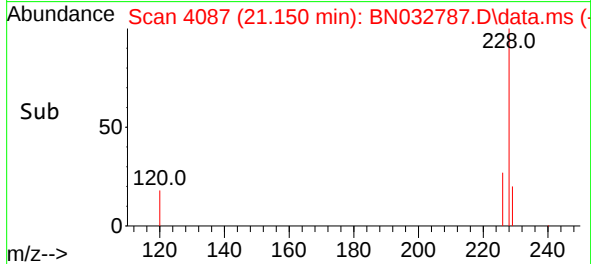
Instrument :
BNA_N
ClientSampleId :
A4D51DL



Tgt Ion:228 Resp: 425839
Ion Ratio Lower Upper
228 100
229 20.5 16.1 24.1
226 27.5 21.9 32.9

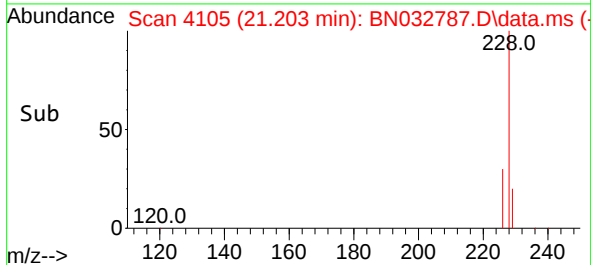
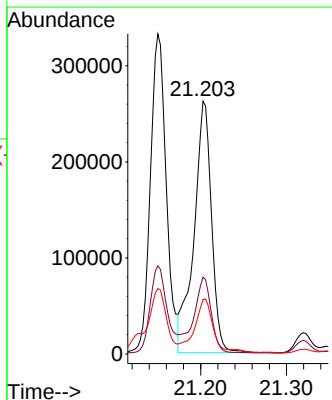
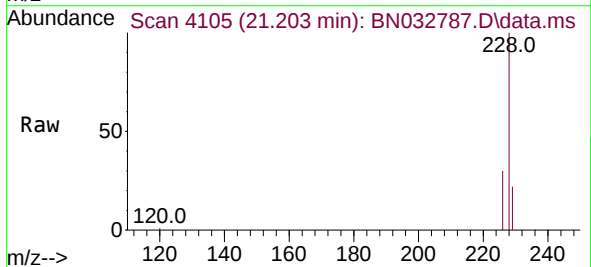
Manual Integrations
APPROVED

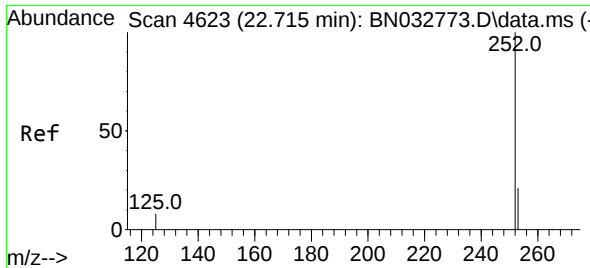
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#22
Chrysene
Concen: 5.438 ng/ul
RT: 21.203 min Scan# 4105
Delta R.T. -0.009 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

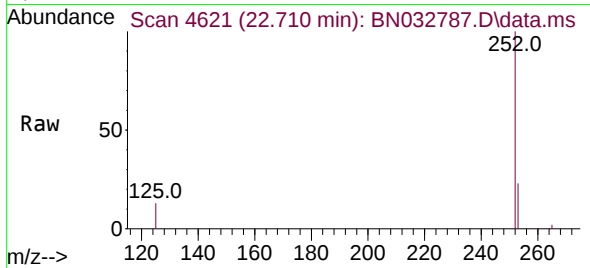
Tgt Ion:228 Resp: 372440
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 7.798 ng/ul m
RT: 22.710 min Scan# 4621
Delta R.T. -0.000 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

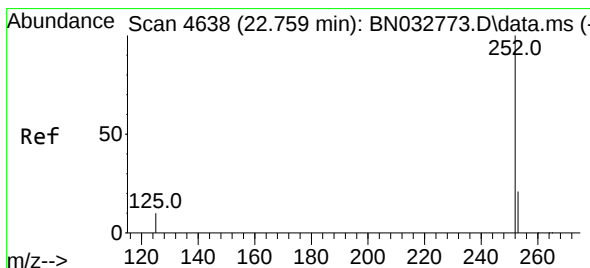
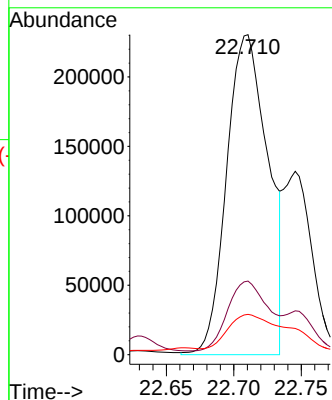
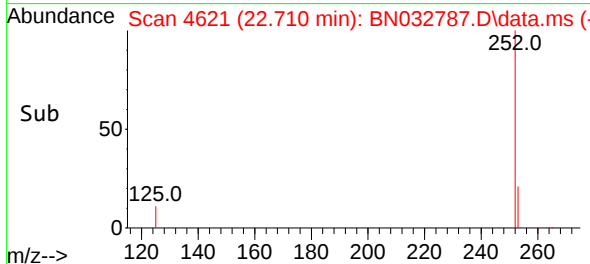
Instrument :
BNA_N
ClientSampleId :
A4D51DL



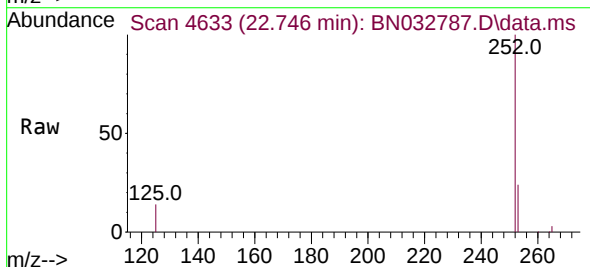
Tgt Ion:252 Resp: 490788
Ion Ratio Lower Upper
252 100
253 23.0 0.0 54.0
125 12.6 0.0 36.0

Manual Integrations
APPROVED

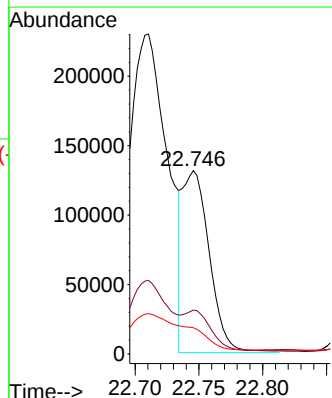
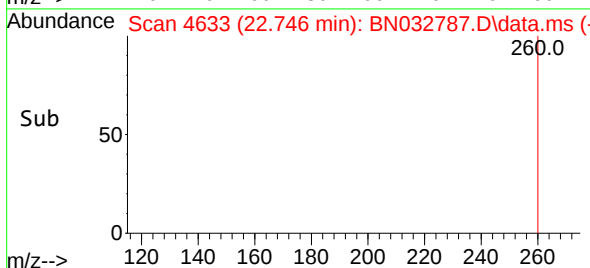
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

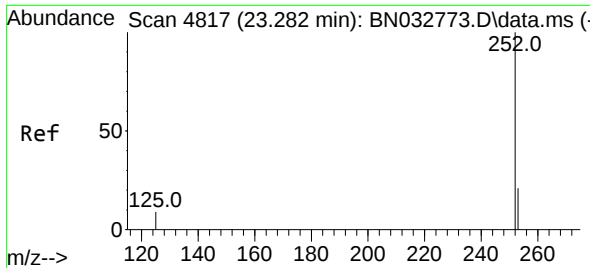


#25
Benzo(k)fluoranthene
Concen: 2.519 ng/ul m
RT: 22.746 min Scan# 4633
Delta R.T. -0.009 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39



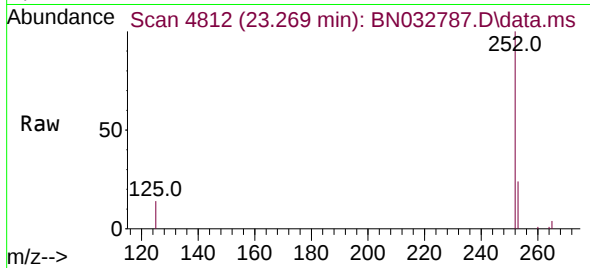
Tgt Ion:252 Resp: 193219
Ion Ratio Lower Upper
252 100
253 23.9 21.2 31.8
125 14.3 14.8 22.2#





#26
Benzo(a)pyrene
Concen: 4.193 ng/ul
RT: 23.269 min Scan# 4812
Delta R.T. -0.009 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

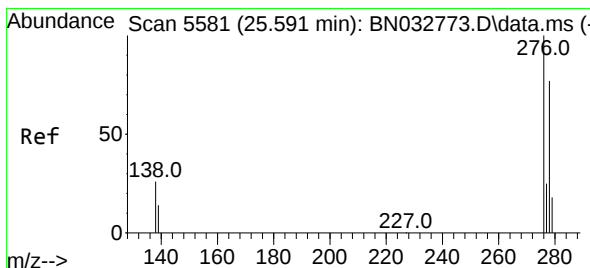
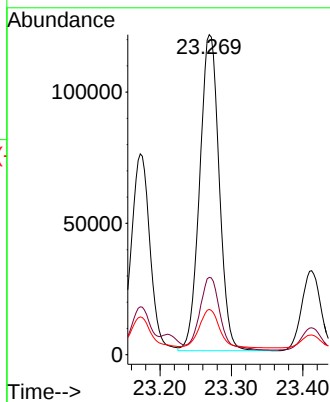
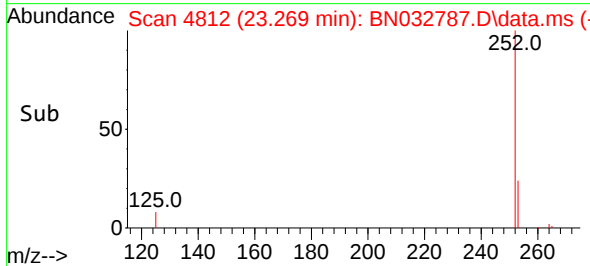
Instrument :
BNA_N
ClientSampleId :
A4D51DL



Tgt Ion:252 Resp: 228404
Ion Ratio Lower Upper
252 100
253 24.1 25.4 38.0
125 14.1 20.6 30.8

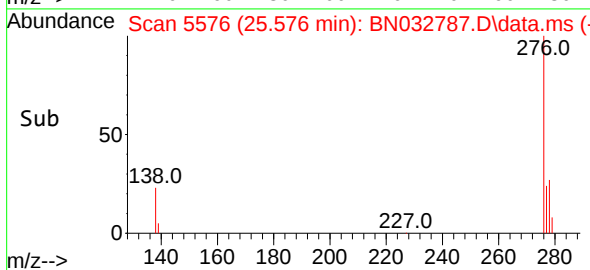
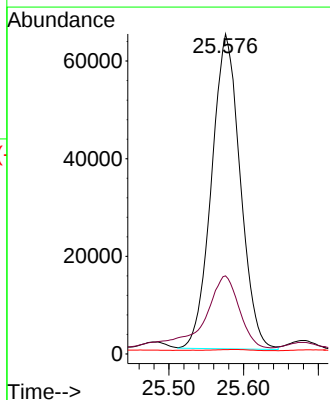
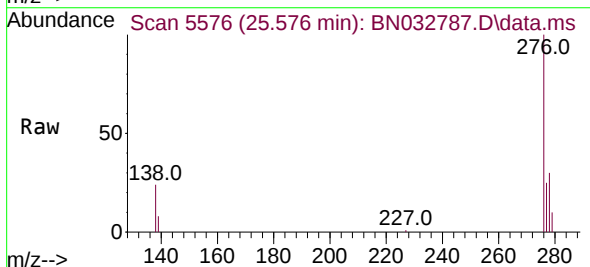
Manual Integrations
APPROVED

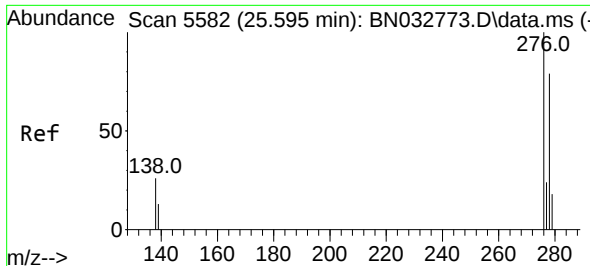
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 2.333 ng/ul
RT: 25.576 min Scan# 5576
Delta R.T. -0.007 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

Tgt Ion:276 Resp: 172088
Ion Ratio Lower Upper
276 100
138 28.6 21.6 32.4
227 0.4 0.0 0.0





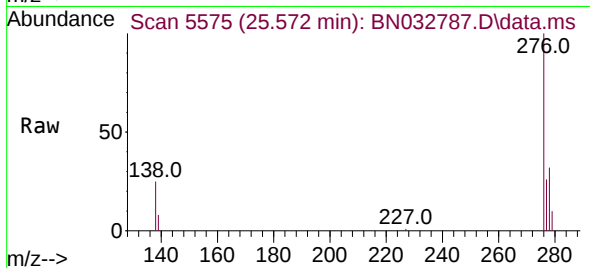
#28
Dibenzo(a,h)anthracene
Concen: 1.113 ng/ul
RT: 25.572 min Scan# 51
Delta R.T. -0.017 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39

Instrument :

BNA_N

ClientSampleId :

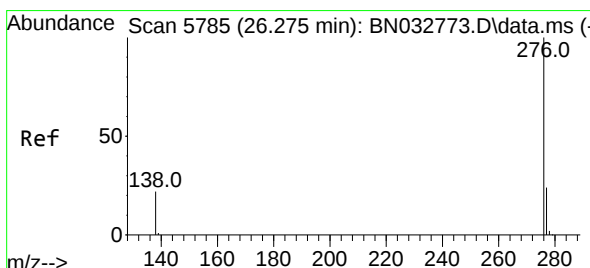
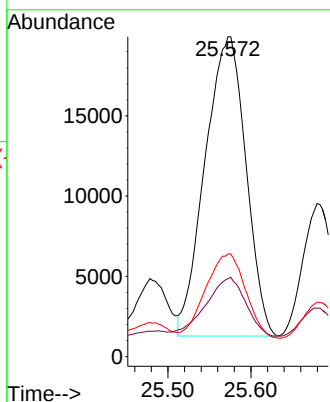
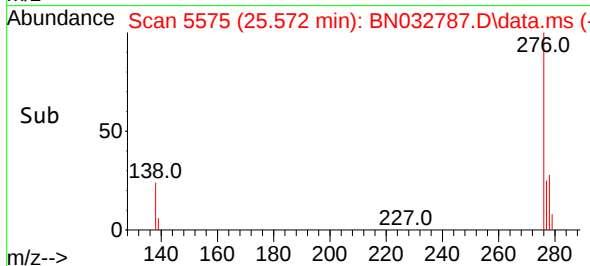
A4D51DL



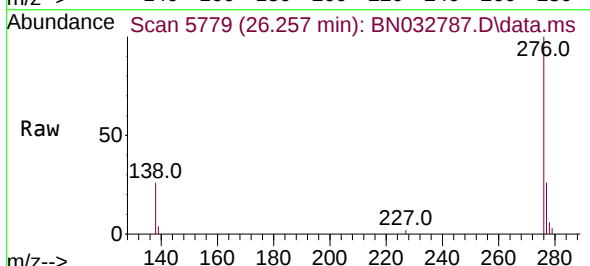
Tgt Ion:278 Resp: 6365
Ion Ratio Lower Upper
278 100
139 24.3 16.6 24.8
279 32.1 23.7 35.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#29
Benzo(g,h,i)perylene
Concen: 1.732 ng/ul
RT: 26.257 min Scan# 5779
Delta R.T. -0.003 min
Lab File: BN032787.D
Acq: 17 Jul 2024 19:39



Tgt Ion:276 Resp: 106738
Ion Ratio Lower Upper
276 100
138 26.0 21.0 31.4
277 26.2 20.6 31.0

