

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033533.D
 Acq On : 21 Aug 2024 08:51
 Operator : MA/JU
 Sample : P3643-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0-0.5-081524

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

08/21/2024
 Supervised By :mohammad
 ahmed

Quant Time: Aug 21 09:28:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	8553	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	22144	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	9918	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	19249	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	16046	0.400	ng	0.00
35) Perylene-d12	23.309	264	16796	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3961	0.146	ng	0.00
5) Phenol-d6	6.736	99	4814	0.149	ng	0.00
8) Nitrobenzene-d5	8.681	82	2908	0.158	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	4351	0.137	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	582	0.109	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	5815	0.144	ng	-0.01
27) Fluoranthene-d10	18.975	212	5555	0.120	ng	0.00
31) Terphenyl-d14	19.588	244	3637	0.100	ng	0.00
Target Compounds						
17) Acenaphthene	14.242	154	976	0.032	ng	93
18) Fluorene	15.236	166	1963	0.051	ng	89
25) Phenanthrene	16.979	178	36172	0.675	ng	100
26) Anthracene	17.066	178	3158	0.067	ng	# 89
28) Fluoranthene	19.003	202	125290	2.117	ng	100
30) Pyrene	19.365	202	99369	1.388	ng	96
32) Benzo(a)anthracene	21.121	228	37885	0.653	ng	97
33) Chrysene	21.175	228	75983m	1.318	ng	
34) Bis(2-ethylhexyl)phtha...	21.085	149	3031m	0.083	ng	
36) Indeno(1,2,3-cd)pyrene	25.457	276	50436	0.723	ng	95
37) Benzo(b)fluoranthene	22.665	252	107512	1.714	ng	95
38) Benzo(k)fluoranthene	22.706	252	37764m	0.612	ng	
39) Benzo(a)pyrene	23.215	252	54354m	1.047	ng	
40) Dibenzo(a,h)anthracene	25.469	278	10084	0.181	ng	91
41) Benzo(g,h,i)perylene	26.112	276	52761	0.885	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033533.D
Acq On : 21 Aug 2024 08:51
Operator : MA/JU
Sample : P3643-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524

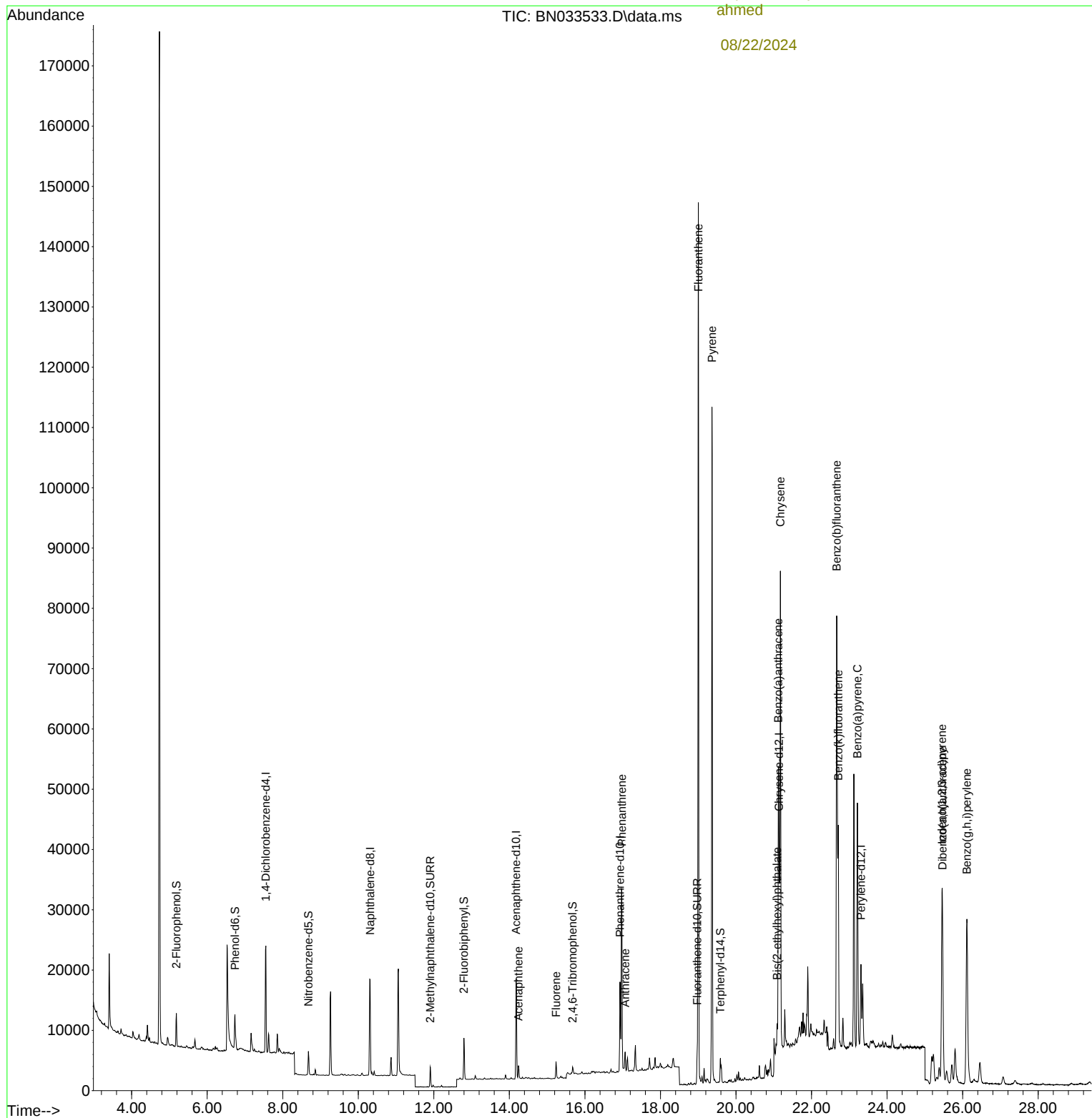
Quant Time: Aug 21 09:28:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

08/21/2024
Supervised By :mohammad
ahmed

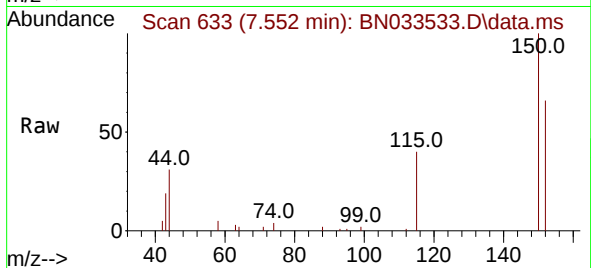
08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 611
Delta R.T. -0.007 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



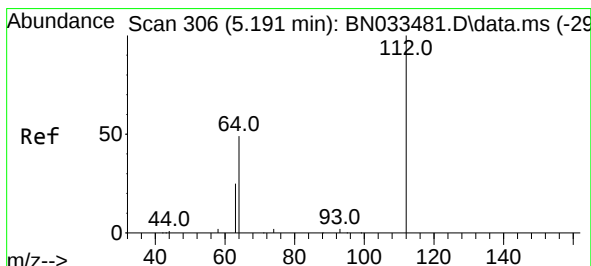
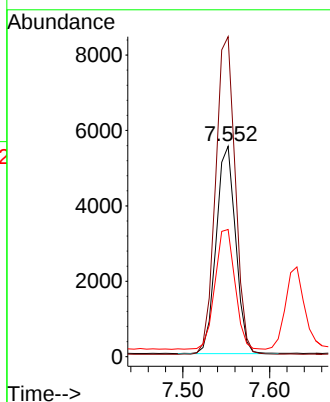
Tgt Ion:152 Resp: 855
Ion Ratio Lower Upper
152 100
150 152.1 122.2 183.2
115 60.5 47.2 70.8

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

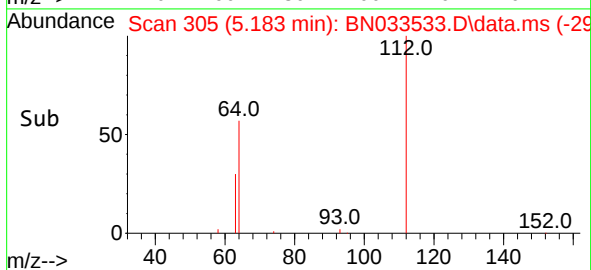
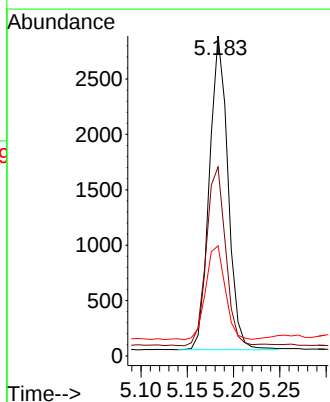
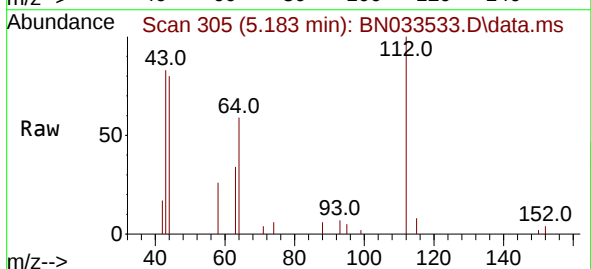
08/21/2024
Supervised By :mohammad
ahmed

08/22/2024



#4
2-Fluorophenol
Concen: 0.146 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

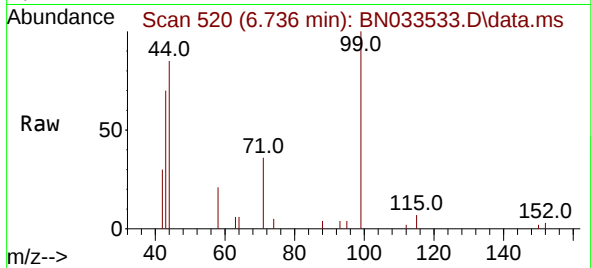
Tgt Ion:112 Resp: 3961
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 31.3 24.9 37.3





#5
Phenol-d6
Concen: 0.149 ng
RT: 6.736 min Scan# 511
Delta R.T. -0.007 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



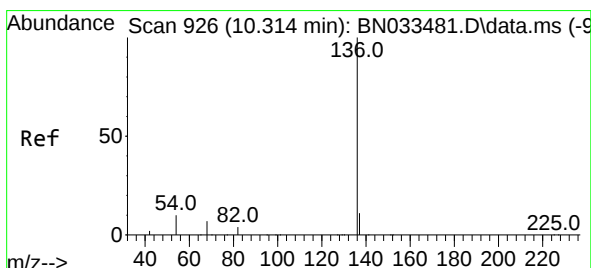
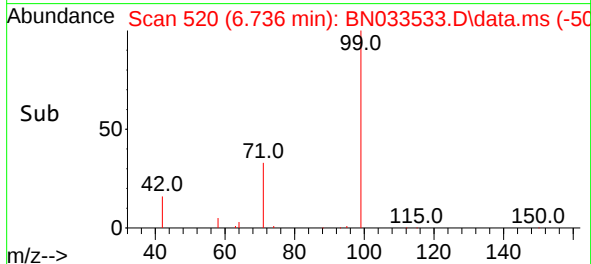
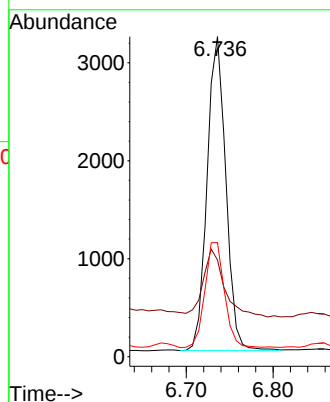
Tgt Ion: 99 Resp: 4814
Ion Ratio Lower Upper
99 100
42 24.4 16.6 24.8
71 35.1 26.2 39.4

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

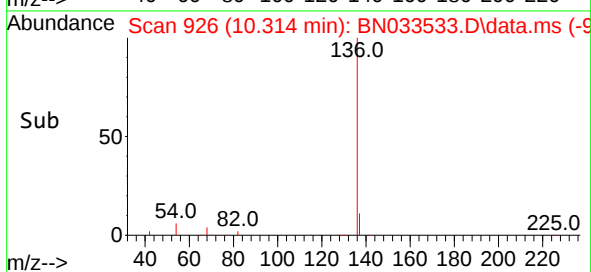
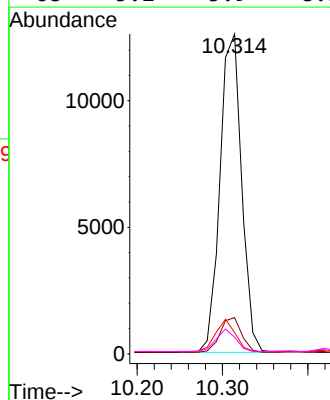
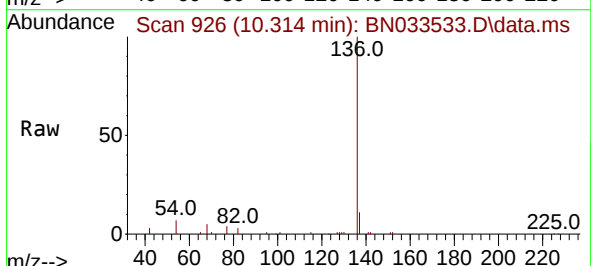
08/21/2024
Supervised By :mohammad
ahmed

08/22/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

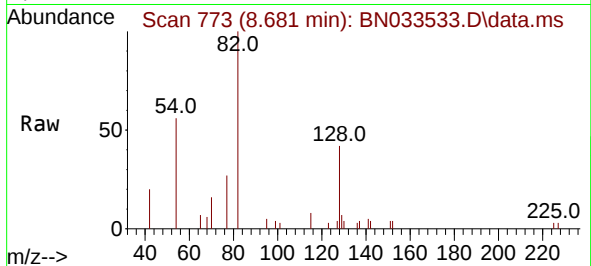
Tgt Ion:136 Resp: 22144
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.7 8.3 12.5#
68 5.2 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.158 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



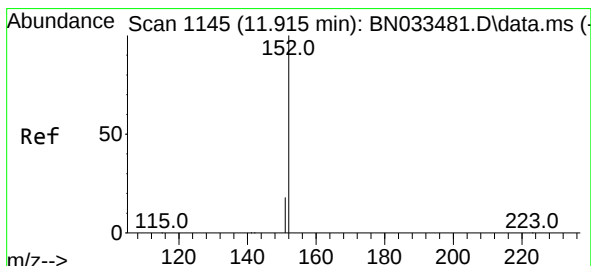
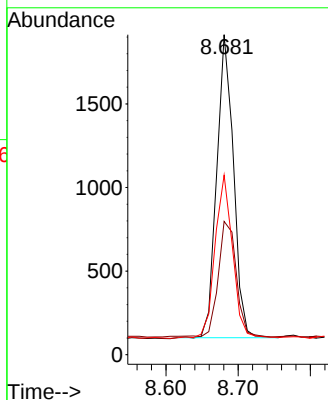
Tgt Ion: 82 Resp: 2908
Ion Ratio Lower Upper
82 100
128 41.6 36.0 54.0
54 56.1 42.0 63.0

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

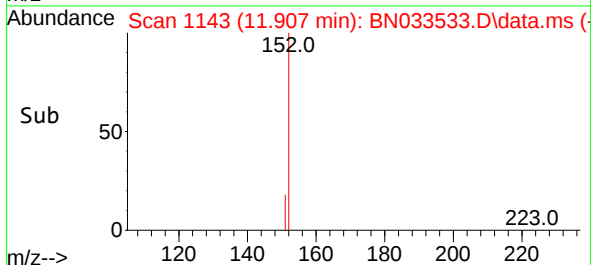
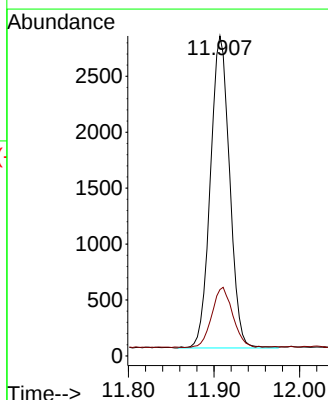
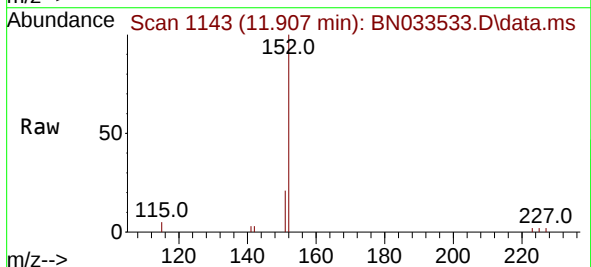
08/21/2024
Supervised By :mohammad
ahmed

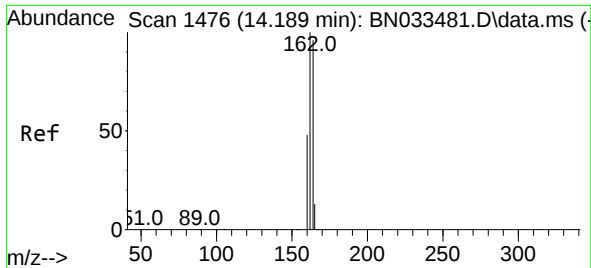
08/22/2024



#11
2-Methylnaphthalene-d10
Concen: 0.137 ng
RT: 11.907 min Scan# 1143
Delta R.T. -0.008 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

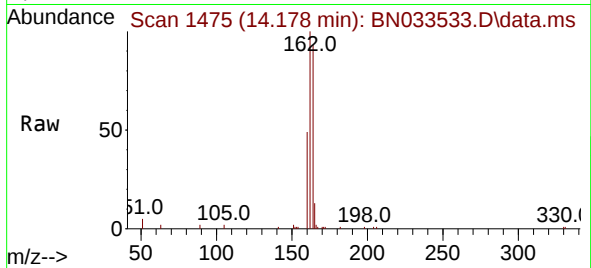
Tgt Ion:152 Resp: 4351
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



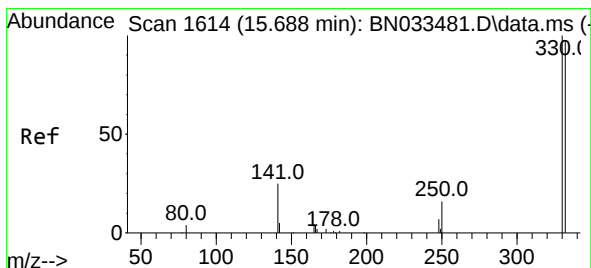
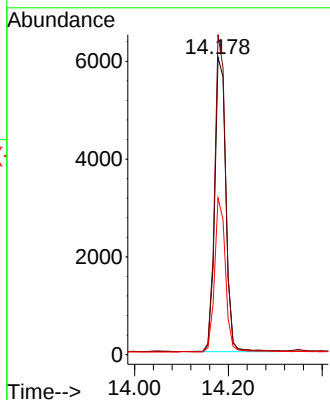
Tgt Ion:164 Resp: 9918
Ion Ratio Lower Upper
164 100
162 107.6 83.5 125.3
160 52.7 40.2 60.4

Manual Integrations
APPROVED

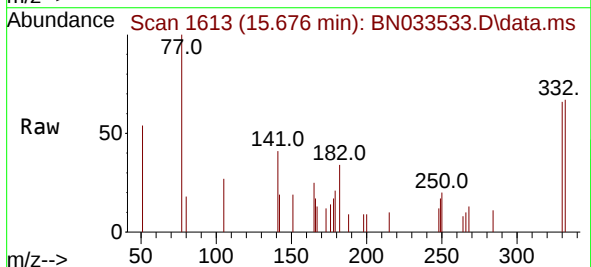
Reviewed By :Jagrut
Upadhyay

08/21/2024
Supervised By :mohammad
ahmed

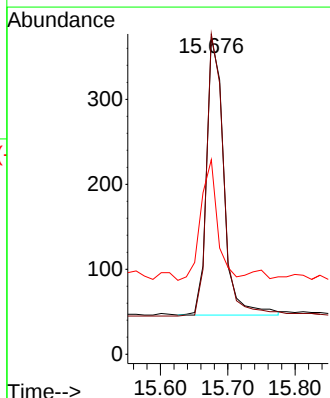
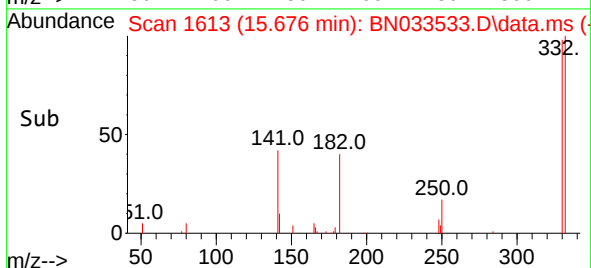
08/22/2024

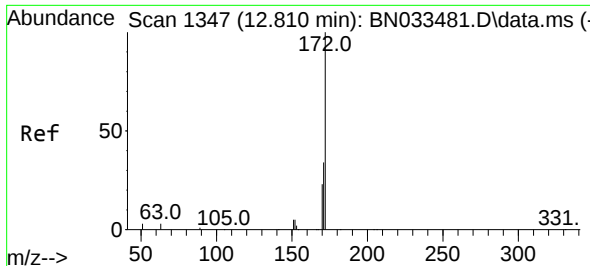


#14
2,4,6-Tribromophenol
Concen: 0.109 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51



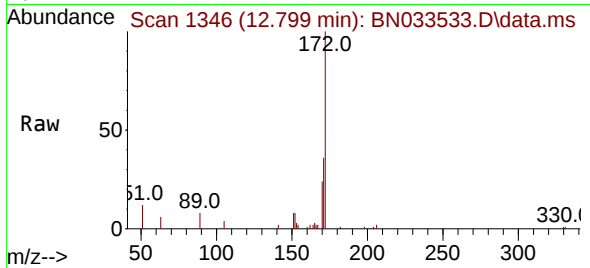
Tgt Ion:330 Resp: 582
Ion Ratio Lower Upper
330 100
332 99.0 77.5 116.3
141 41.9 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.144 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



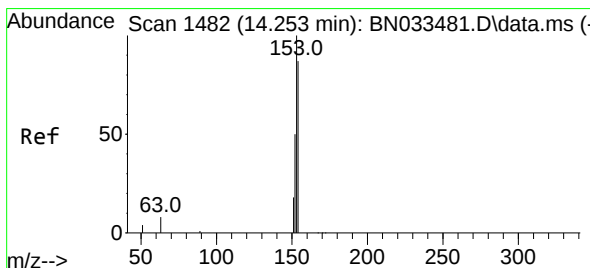
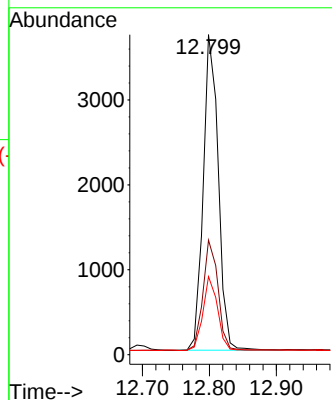
Tgt Ion:172 Resp: 581
Ion Ratio Lower Upper
172 100
171 35.8 27.7 41.5
170 24.4 18.3 27.5

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

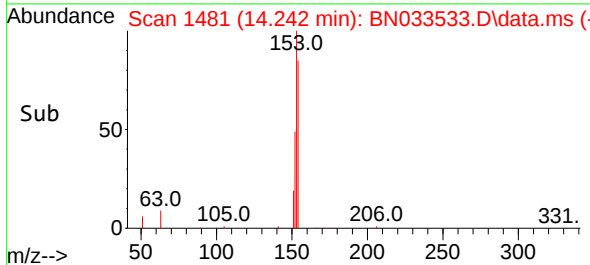
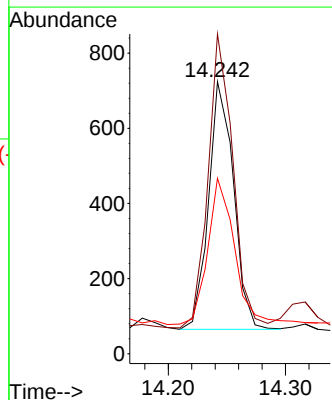
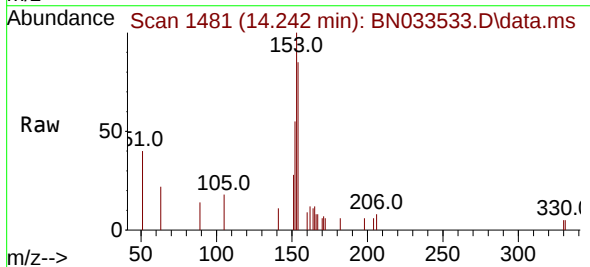
08/21/2024
Supervised By :mohammad
ahmed

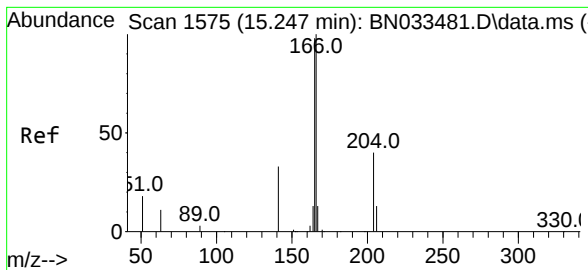
08/22/2024



#17
Acenaphthene
Concen: 0.032 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

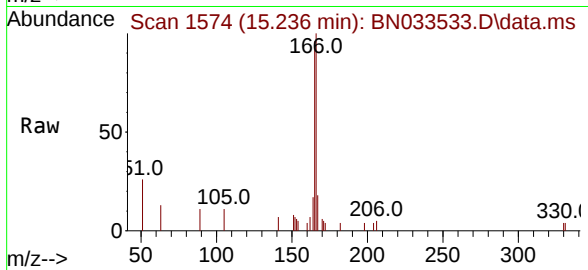
Tgt Ion:154 Resp: 976
Ion Ratio Lower Upper
154 100
153 117.1 89.0 133.6
152 62.9 45.2 67.8





#18
Fluorene
Concen: 0.051 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



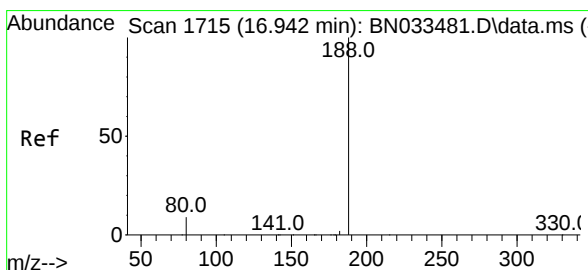
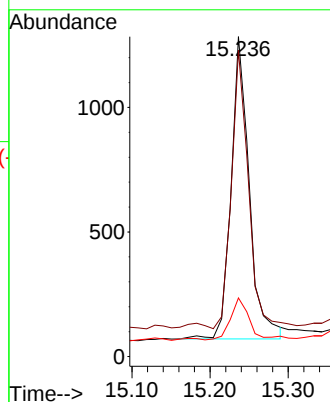
Tgt Ion:166 Resp: 196
Ion Ratio Lower Upper
166 100
165 85.6 78.2 117.4
167 13.9 10.6 16.0

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

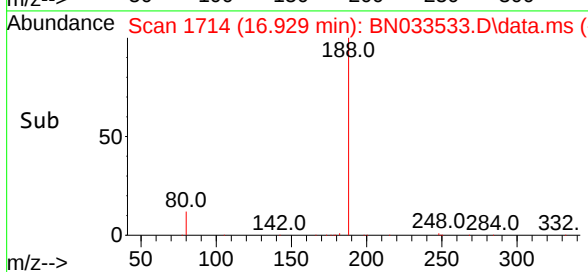
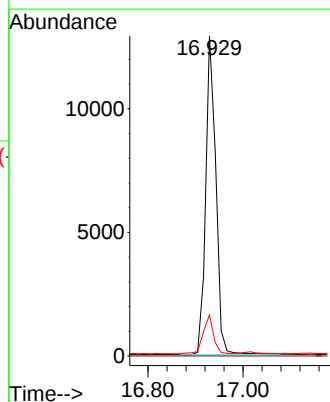
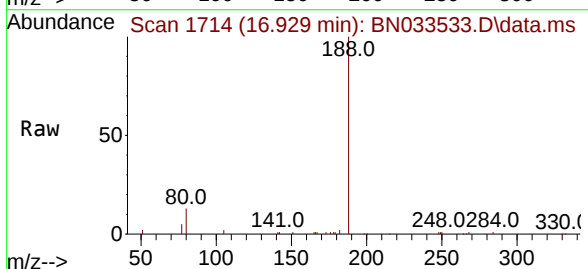
08/21/2024
Supervised By :mohammad
ahmed

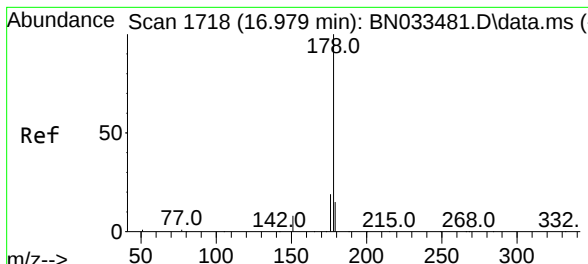
08/22/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.013 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Tgt Ion:188 Resp: 19249
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.8 7.8 11.8#



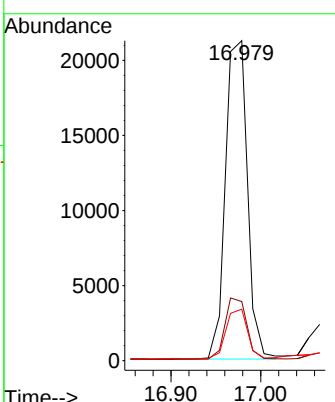
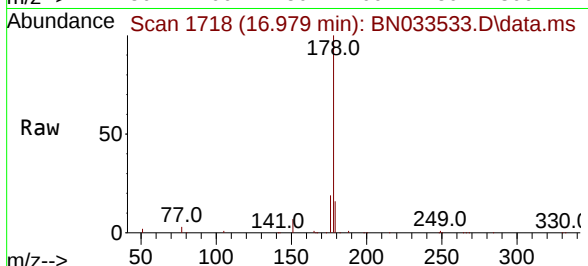


#25
 Phenanthrene
 Concen: 0.675 ng
 RT: 16.979 min Scan# 1718
 Delta R.T. -0.000 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

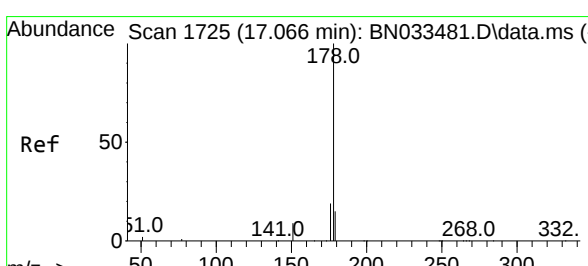
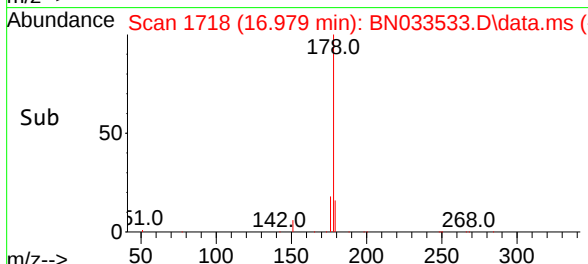
Instrument : BNA_N
 ClientSampleId : 917-J-SD-0-0.5-081524

Tgt Ion:	178	Resp:	3617
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.2	12.3	18.5

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay

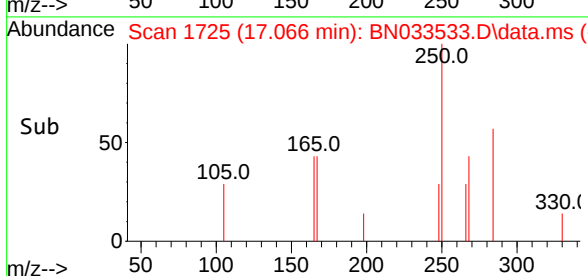
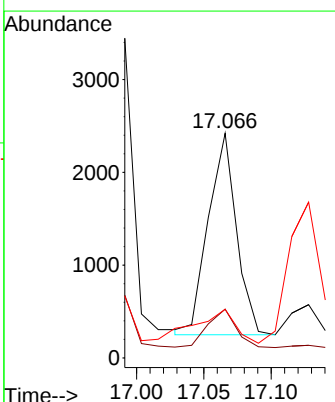
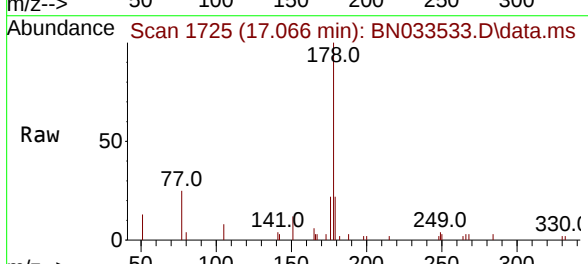


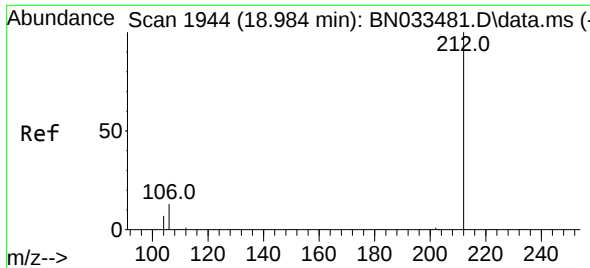
08/21/2024
 Supervised By :mohammad ahmed
 08/22/2024



#26
 Anthracene
 Concen: 0.067 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

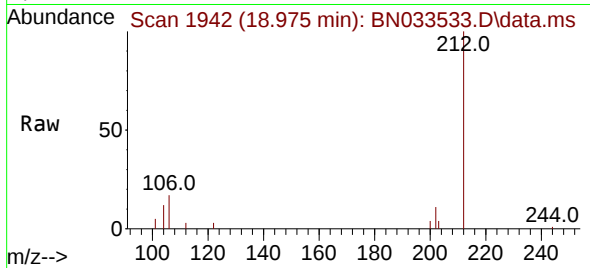
Tgt Ion:	178	Resp:	3158
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.0	22.6
179	24.7	12.4	18.6





#27
Fluoranthene-d10
Concen: 0.120 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



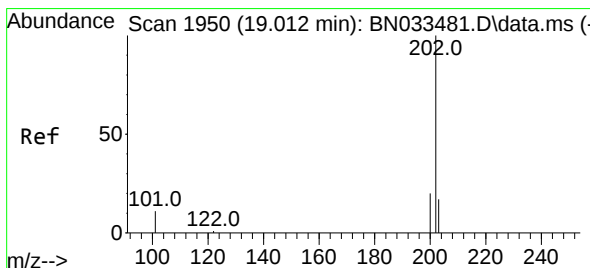
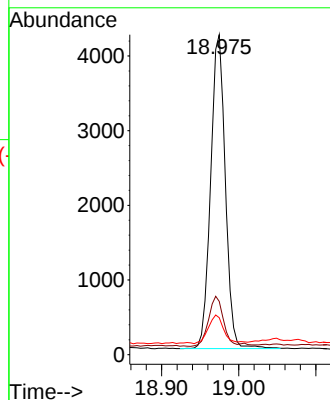
Tgt Ion:212 Resp: 555
Ion Ratio Lower Upper
212 100
106 16.0 12.3 18.5
104 9.7 7.0 10.4

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

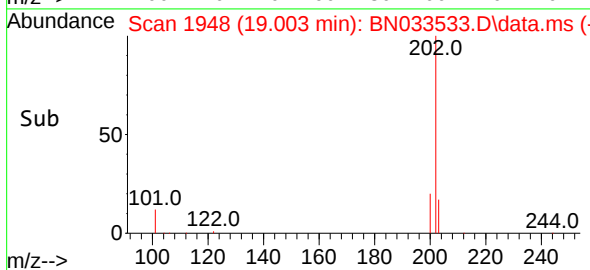
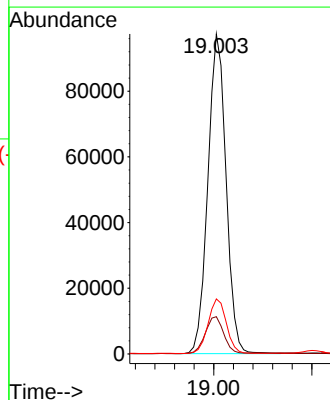
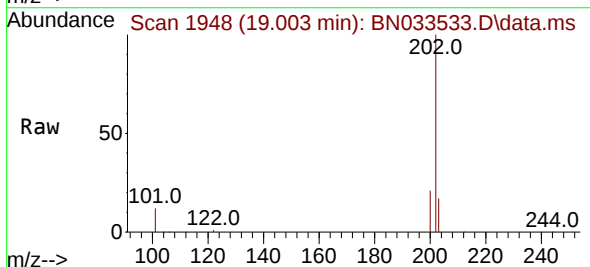
08/21/2024
Supervised By :mohammad
ahmed

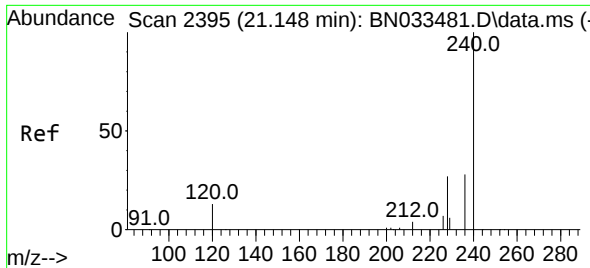
08/22/2024



#28
Fluoranthene
Concen: 2.117 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

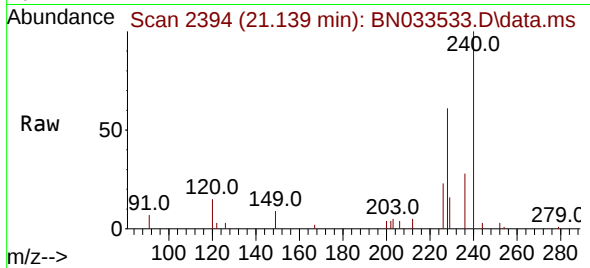
Tgt Ion:202 Resp: 125290
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.2 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



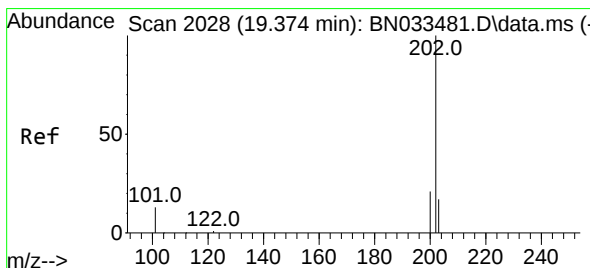
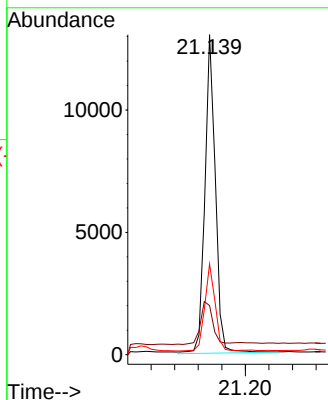
Tgt Ion:240 Resp: 16040
Ion Ratio Lower Upper
240 100
120 15.3 12.4 18.6
236 28.3 23.0 34.6

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

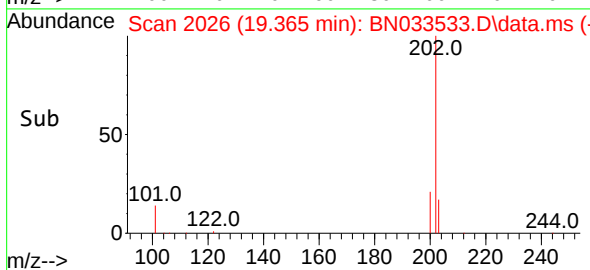
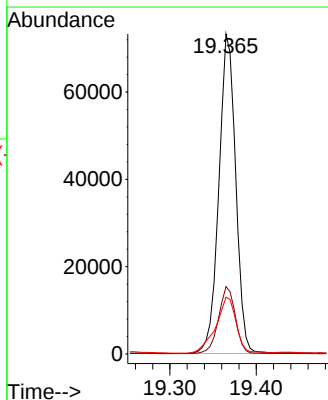
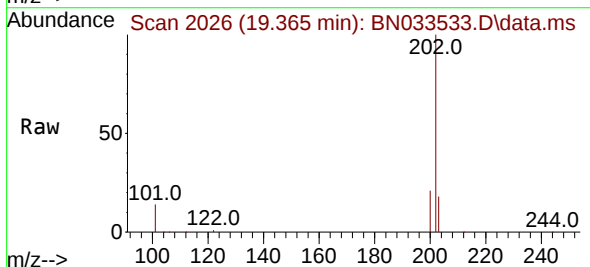
08/21/2024
Supervised By :mohammad
ahmed

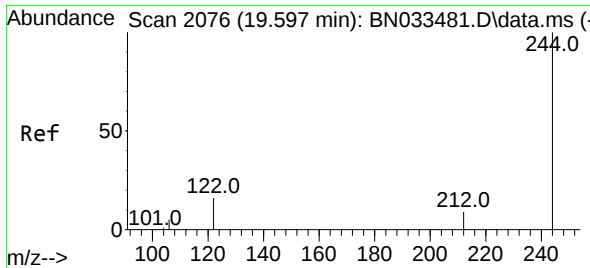
08/22/2024



#30
Pyrene
Concen: 1.388 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

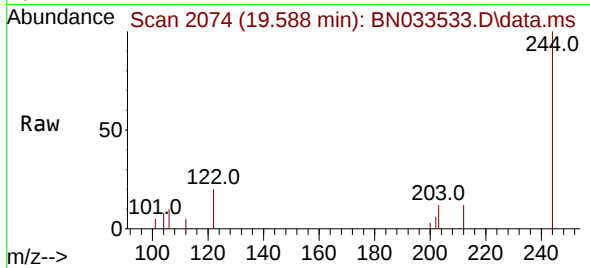
Tgt Ion:202 Resp: 99369
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.2 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.100 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0-0.5-081524



Tgt Ion:244 Resp: 363

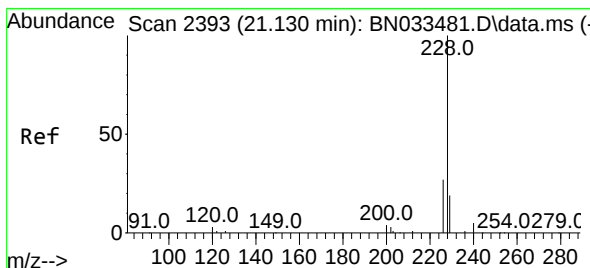
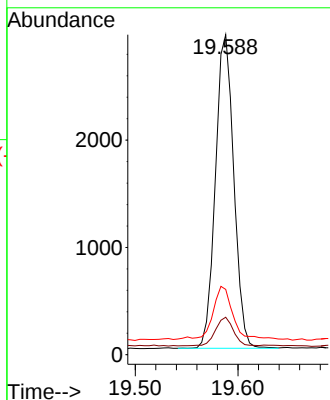
Ion	Ratio	Lower	Upper
244	100		
212	11.7	7.8	11.6
122	20.4	13.3	19.9

Manual Integrations
 APPROVED

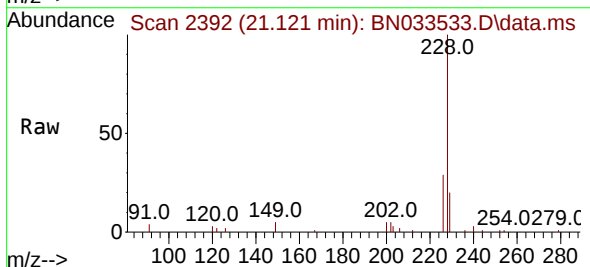
Reviewed By :Jagrut
 Upadhyay

08/21/2024
 Supervised By :mohammad
 ahmed

08/22/2024

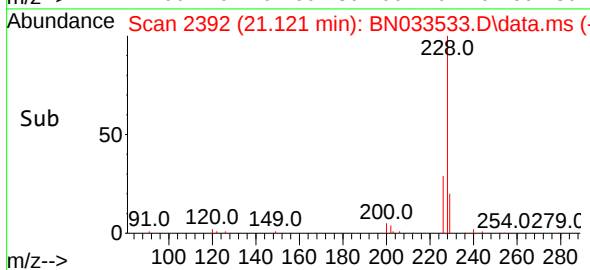
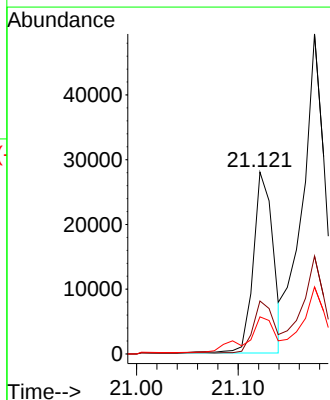


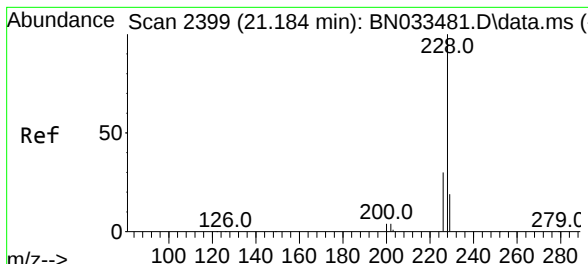
#32
 Benzo(a)anthracene
 Concen: 0.653 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.009 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51



Tgt Ion:228 Resp: 37885

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.6
229	20.4	15.8	23.6



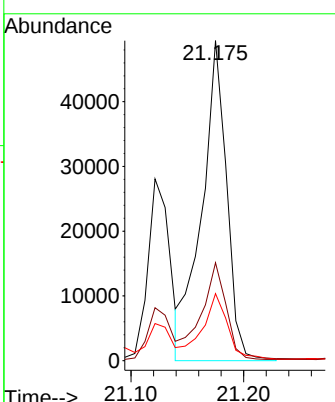
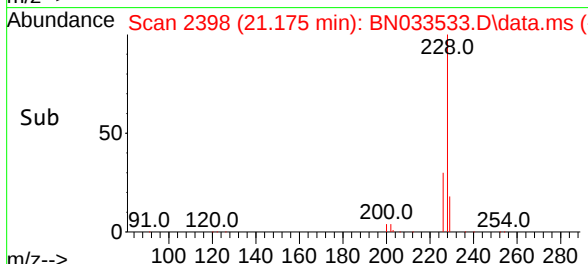
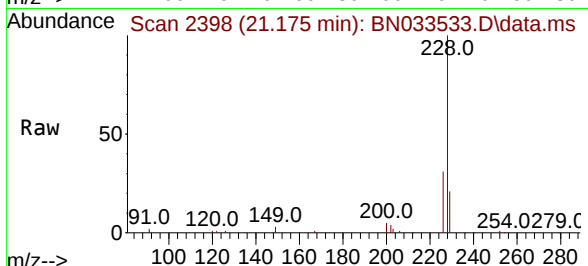


#33
 Chrysene
 Concen: 1.318 ng m
 RT: 21.175 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

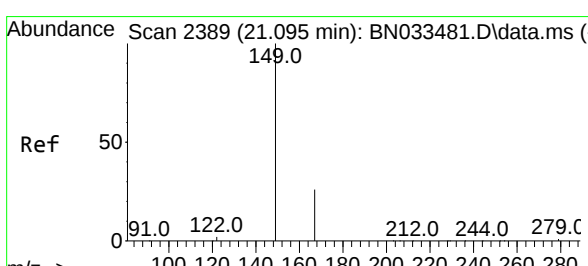
Instrument : BNA_N
 ClientSampleId : 917-J-SD-0-0.5-081524

Tgt Ion:	228	Resp:	7598
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.8	35.8
229	21.0	15.6	23.4

Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay
 08/21/2024

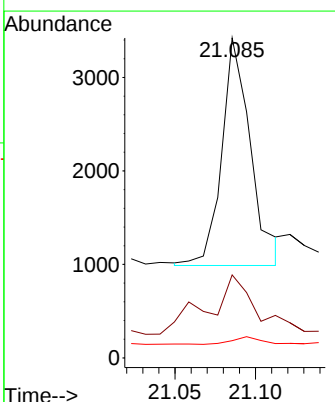
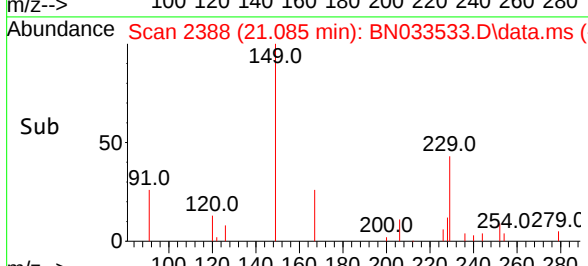
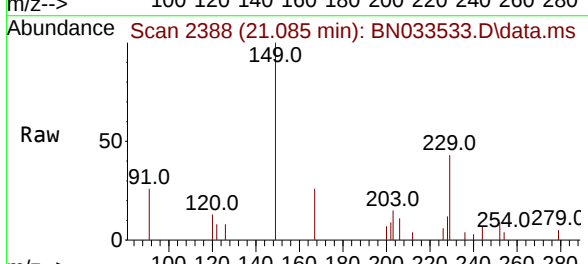


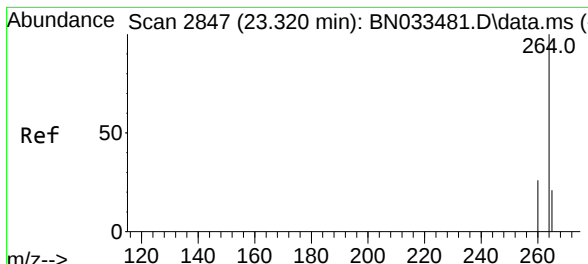
Supervised By :mohammad ahmed
 08/22/2024



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.083 ng m
 RT: 21.085 min Scan# 2388
 Delta R.T. -0.009 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

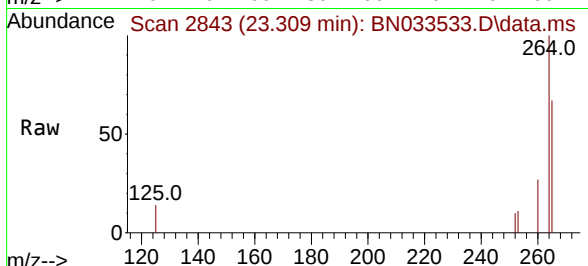
Tgt Ion:	149	Resp:	3031
Ion Ratio	Lower	Upper	
149	100		
167	67.2	21.5	32.3#
279	7.5	2.2	3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

Instrument : BNA_N
 ClientSampleId : 917-J-SD-0-0.5-081524



Tgt Ion: 264 Resp: 16790

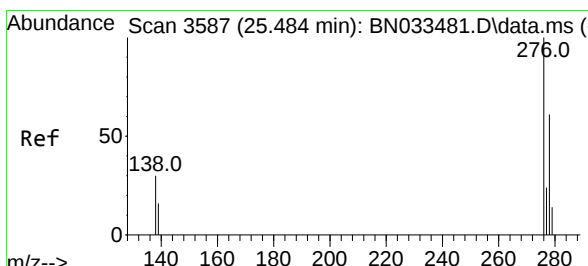
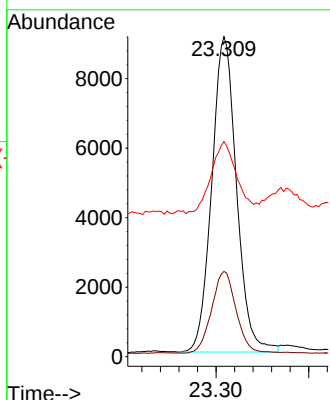
Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.8	31.2
265	67.2	52.2	78.2

Manual Integrations
 APPROVED

Reviewed By : Jagrut
 Upadhyay

08/21/2024
 Supervised By : mohammad
 ahmed

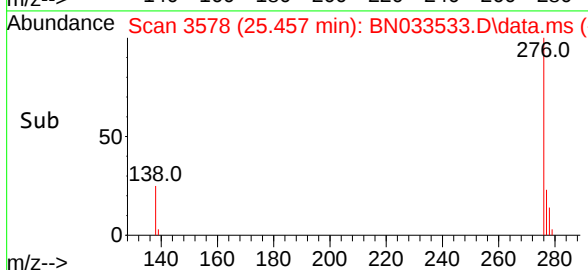
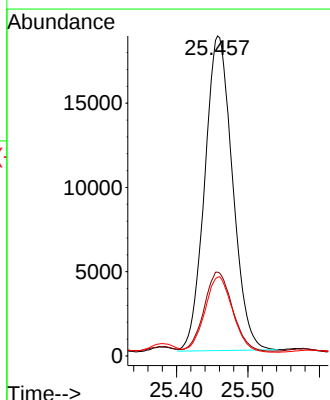
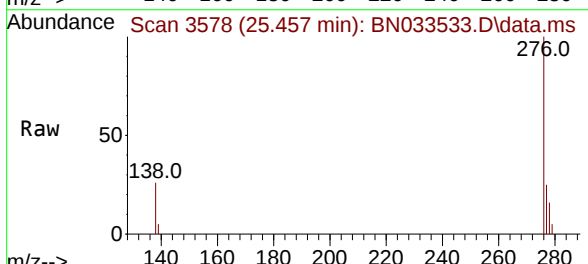
08/22/2024

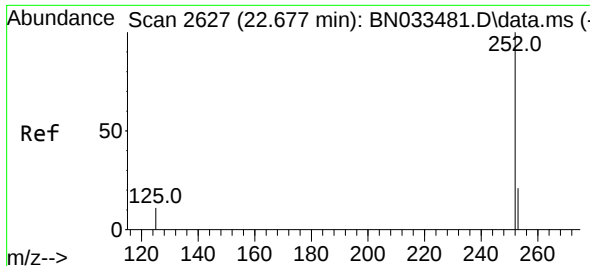


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.723 ng
 RT: 25.457 min Scan# 3578
 Delta R.T. -0.026 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

Tgt Ion: 276 Resp: 50436

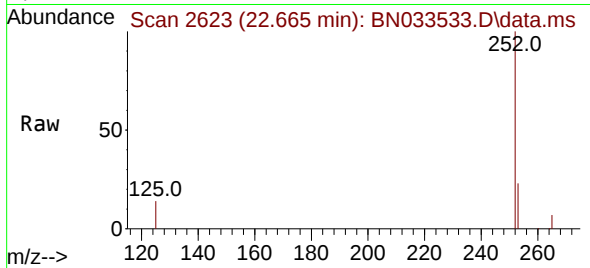
Ion	Ratio	Lower	Upper
276	100		
138	25.5	24.4	36.6
277	24.2	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 1.714 ng
RT: 22.665 min Scan# 2623
Delta R.T. -0.012 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Instrument :
BNA_N
ClientSampleId :
917-J-SD-0-0.5-081524



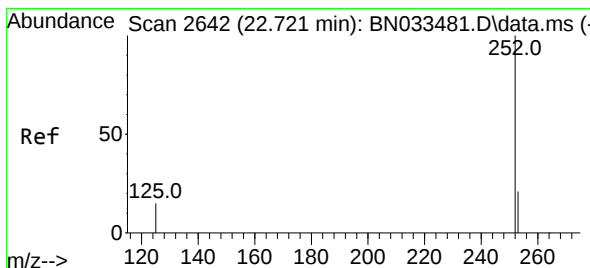
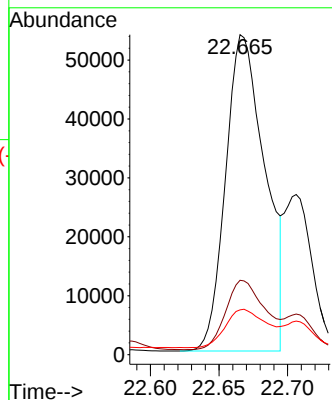
Tgt Ion:252 Resp: 107512
Ion Ratio Lower Upper
252 100
253 23.3 19.8 29.8
125 14.0 13.9 20.9

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

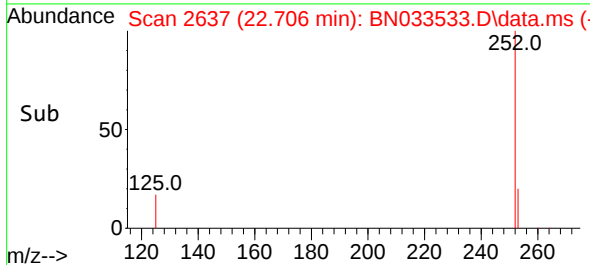
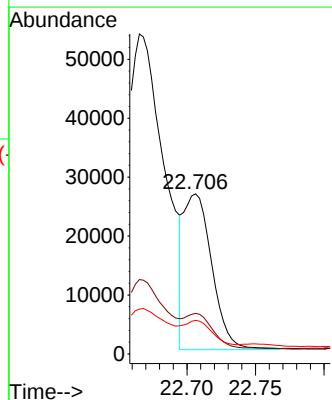
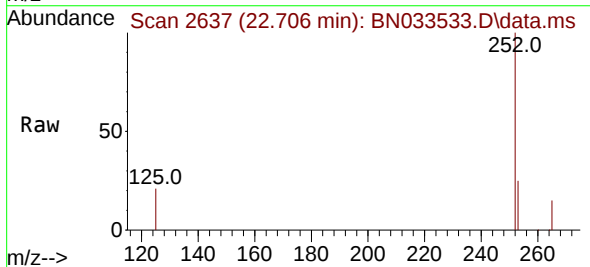
08/21/2024
Supervised By :mohammad
ahmed

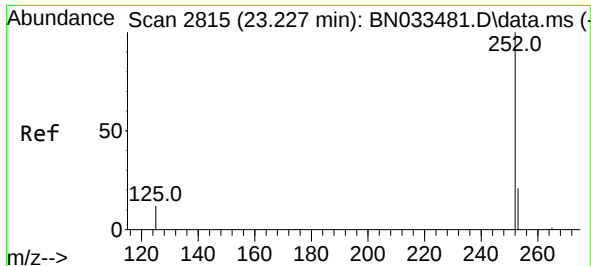
08/22/2024



#38
Benzo(k)fluoranthene
Concen: 0.612 ng m
RT: 22.706 min Scan# 2637
Delta R.T. -0.015 min
Lab File: BN033533.D
Acq: 21 Aug 2024 08:51

Tgt Ion:252 Resp: 37764
Ion Ratio Lower Upper
252 100
253 25.4 19.8 29.8
125 21.0 15.8 23.8





#39

Benzo(a)pyrene

Concen: 1.047 ng m

RT: 23.215 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN033533.D

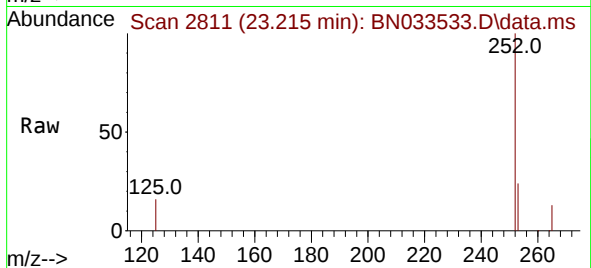
Acq: 21 Aug 2024 08:51

Instrument :

BN033533.D

ClientSampleId :

917-J-SD-0-0.5-081524



Tgt Ion:	252	Resp:	54354
Ion Ratio	100	Lower	Upper
252	100		
253	24.2	21.5	32.3
125	16.4	17.0	25.4

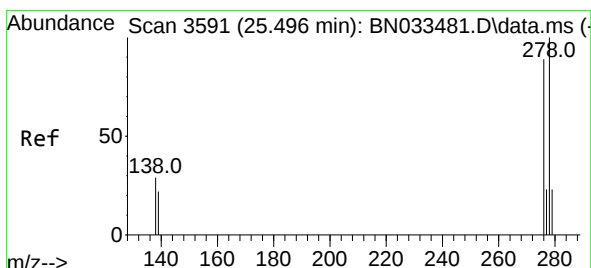
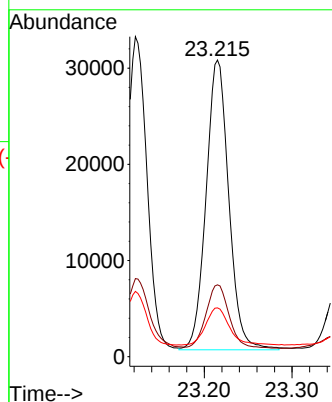
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

08/21/2024

Supervised By :mohammad
ahmed

08/22/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.181 ng

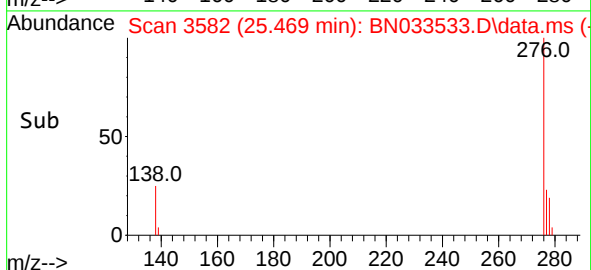
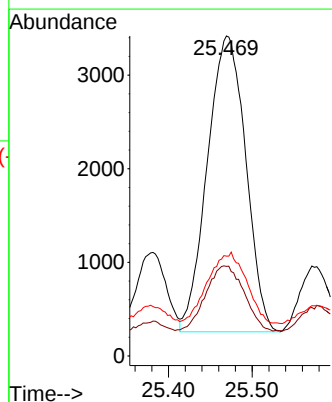
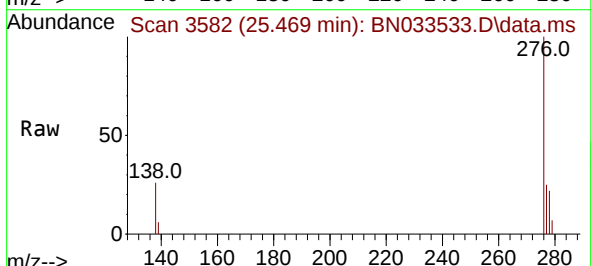
RT: 25.469 min Scan# 3582

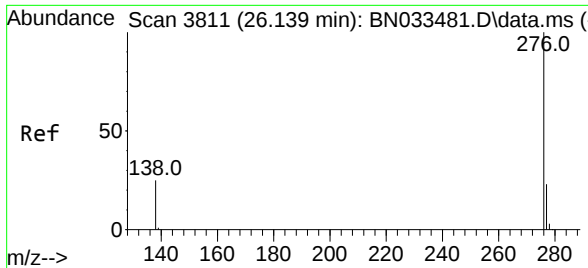
Delta R.T. -0.026 min

Lab File: BN033533.D

Acq: 21 Aug 2024 08:51

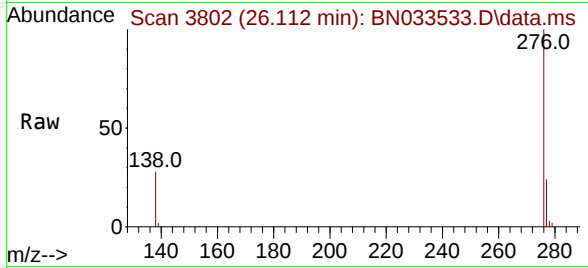
Tgt Ion:	278	Resp:	10084
Ion Ratio	100	Lower	Upper
278	100		
139	28.0	19.1	28.7
279	31.2	21.0	31.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.885 ng
 RT: 26.112 min Scan# 3811
 Delta R.T. -0.026 min
 Lab File: BN033533.D
 Acq: 21 Aug 2024 08:51

Instrument :
 BNA_N
 ClientSampleId :
 917-J-SD-0-0.5-081524



Tgt Ion:	276	Resp:	5276
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.7	29.5
138	27.7	21.8	32.6

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

08/21/2024
 Supervised By :mohammad
 ahmed

08/22/2024

