

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035606.D
 Acq On : 13 Dec 2024 20:42
 Operator : RC/JU
 Sample : P5153-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 13 21:47:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 10 16:10:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	2226	0.400	ng/ul	0.00
4) Naphthalene-d8	10.036	136	7008	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.953	164	4729	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.722	188	9089	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.970	240	5625	0.400	ng/ul	# 0.00
23) Perylene-d12	23.062	264	6134m	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	6426	3.158	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	2435	0.237	ng/ul	0.00
18) Fluoranthene-d10	18.777	212	4333	0.279	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.086	128	3211	0.182	ng/ul#	94
7) 2-Methylnaphthalene	11.719	142	2513	0.205	ng/ul	98
8) 1-Methylnaphthalene	11.945	142	1775	0.144	ng/ul	97
10) Acenaphthylene	13.667	152	1812	0.097	ng/ul#	77
12) Fluorene	15.018	166	500	0.030	ng/ul#	69
15) Phenanthrene	16.764	178	8149	0.339	ng/ul#	85
16) Anthracene	16.857	178	4107	0.184	ng/ul#	75
19) Fluoranthene	18.809	202	11012	0.562	ng/ul#	93
20) Pyrene	19.177	202	10748	0.527	ng/ul#	89
21) Benzo(a)anthracene	20.953	228	4214	0.216	ng/ul#	40
22) Chrysene	21.005	228	6414	0.327	ng/ul#	52
24) Benzo(b)fluoranthene	22.451	252	8067m	0.398	ng/ul	
25) Benzo(k)fluoranthene	22.489	252	2636m	0.126	ng/ul	
26) Benzo(a)pyrene	22.972	252	4928m	0.266	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.101	276	4798m	0.192	ng/ul	
29) Benzo(g,h,i)perylene	25.718	276	6336m	0.321	ng/ul	

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

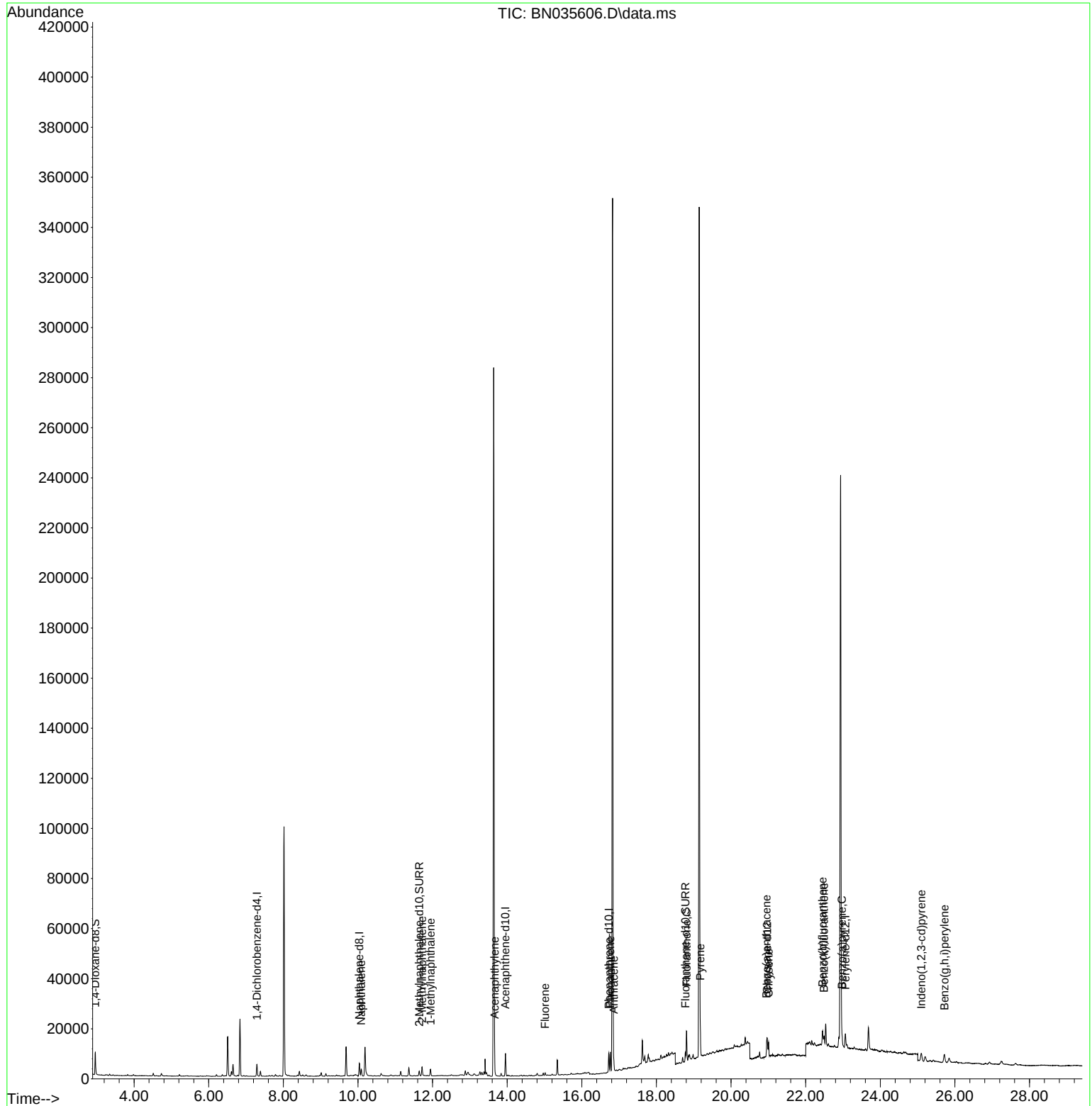
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035606.D
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ALS Vial : 18 Sample Multiplier: 1

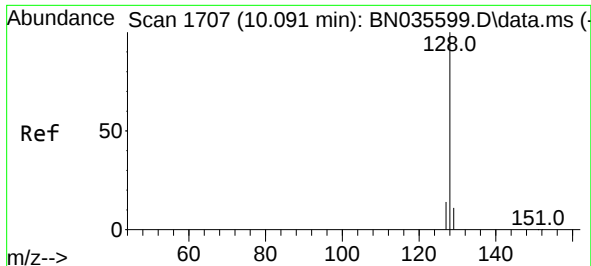
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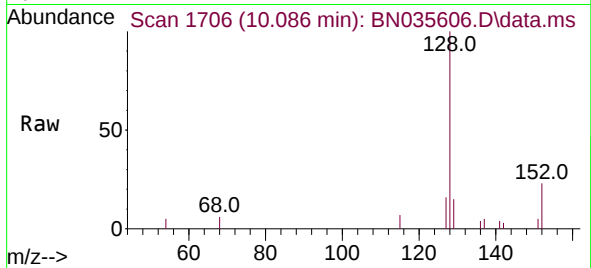
Quant Time: Dec 13 21:47:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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#5
Naphthalene
Concen: 0.182 ng/ul
RT: 10.086 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

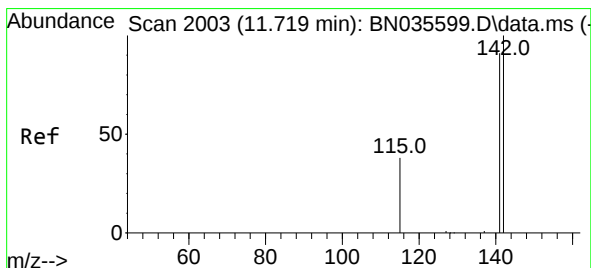
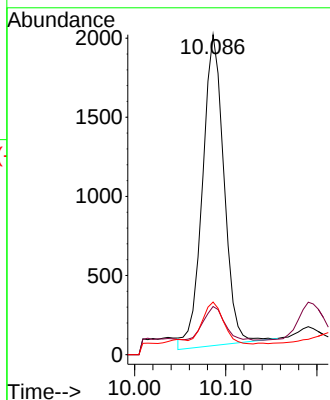
Instrument :
BNA_N
ClientSampleId :
E28Q5



Tgt Ion:128 Resp: 321
Ion Ratio Lower Upper
128 100
129 15.0 9.9 14.9
127 16.4 11.4 17.2

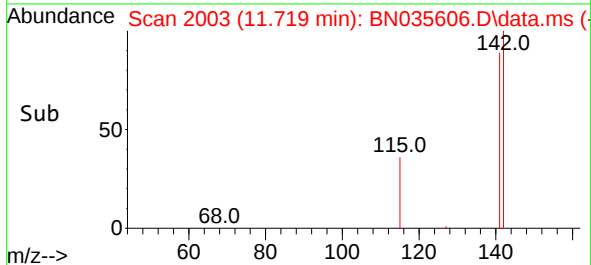
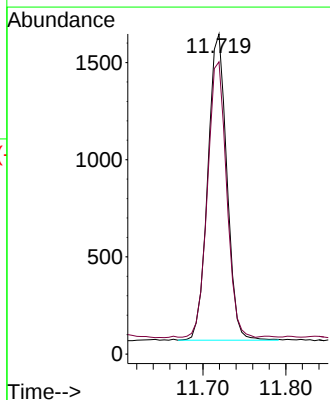
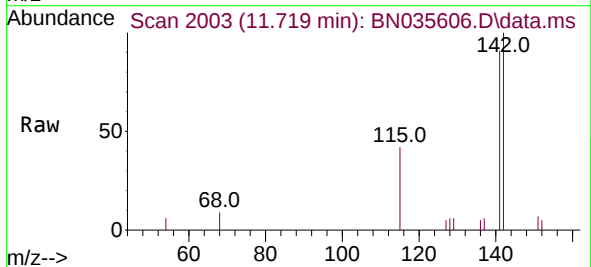
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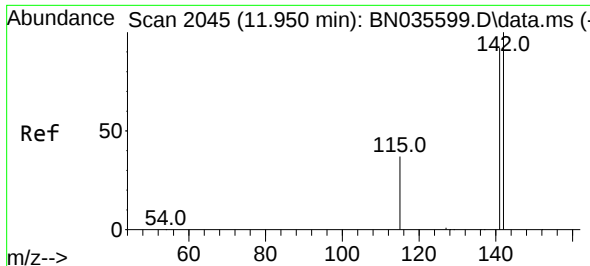
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#7
2-Methylnaphthalene
Concen: 0.205 ng/ul
RT: 11.719 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

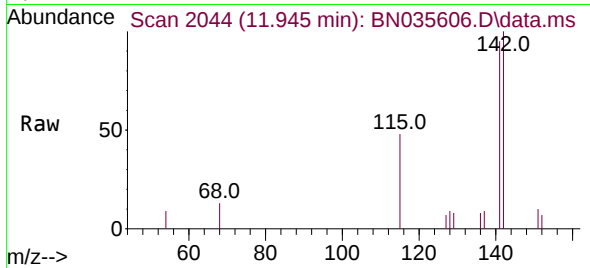
Tgt Ion:142 Resp: 2513
Ion Ratio Lower Upper
142 100
141 90.1 70.4 105.6





#8
1-Methylnaphthalene
Concen: 0.144 ng/ul
RT: 11.945 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

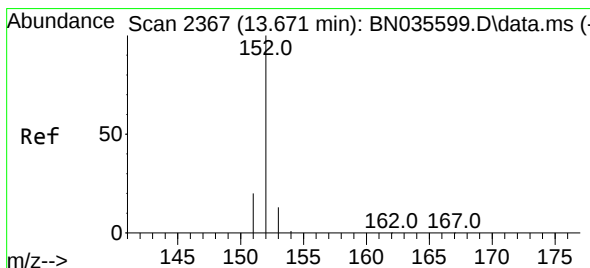
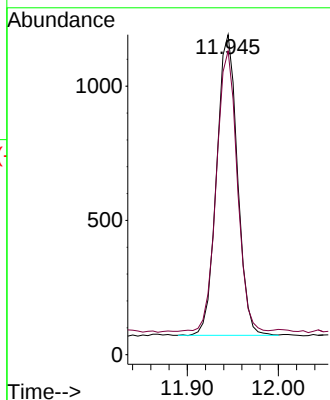
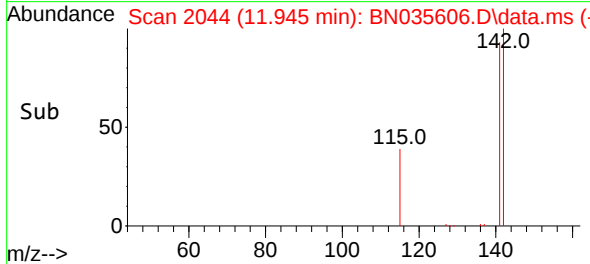
Instrument :
BNA_N
ClientSampleId :
E28Q5



Tgt Ion:142 Resp: 1779
Ion Ratio Lower Upper
142 100
141 94.7 73.1 109.7

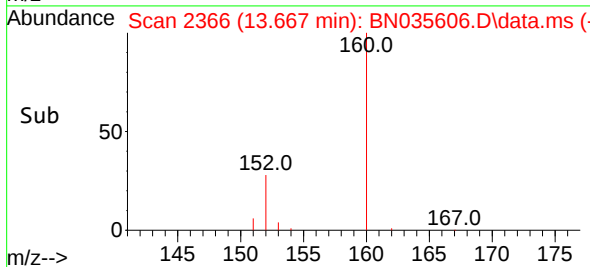
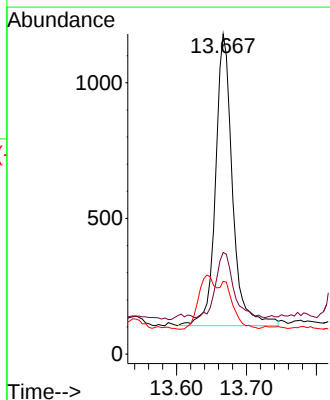
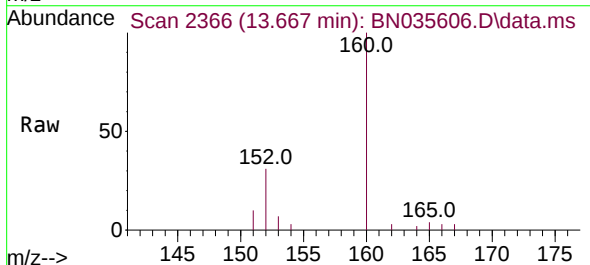
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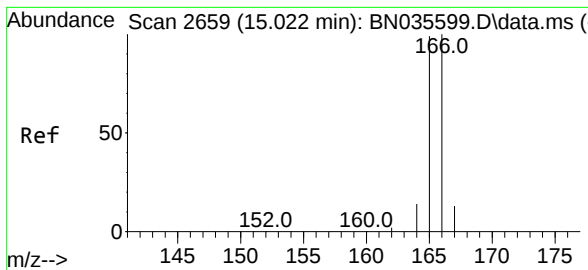
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#10
Acenaphthylene
Concen: 0.097 ng/ul
RT: 13.667 min Scan# 2366
Delta R.T. 0.005 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

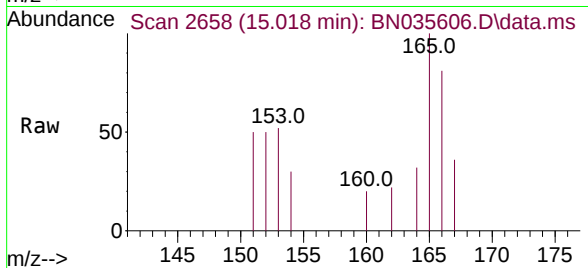
Tgt Ion:152 Resp: 1812
Ion Ratio Lower Upper
152 100
151 31.8 16.4 24.6#
153 22.7 11.1 16.7#





#12
Fluorene
Concen: 0.030 ng/ul
RT: 15.018 min Scan# 2658
Delta R.T. 0.000 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

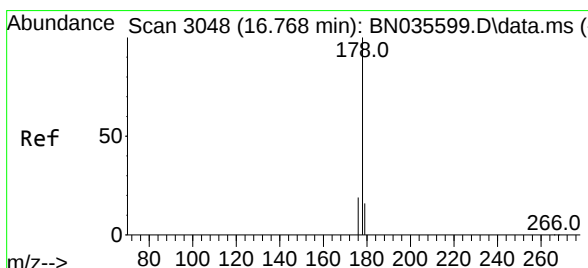
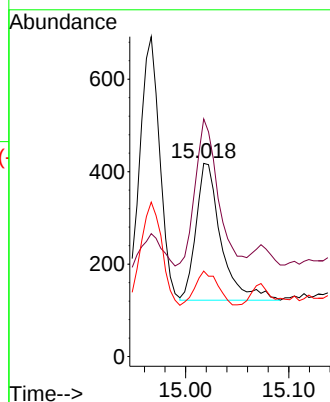
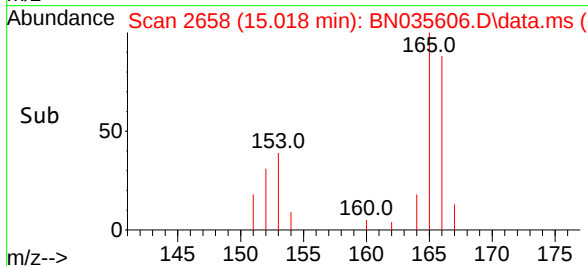
Instrument :
BNA_N
ClientSampleId :
E28Q5



Tgt Ion:166 Resp: 500
Ion Ratio Lower Upper
166 100
165 123.0 78.6 118.0
167 44.3 11.8 17.6

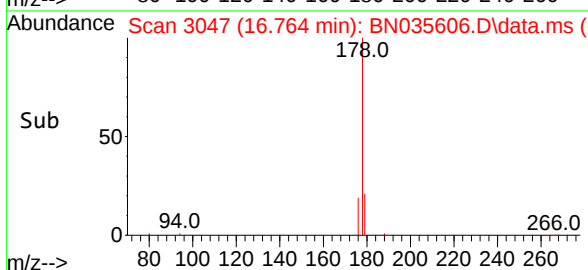
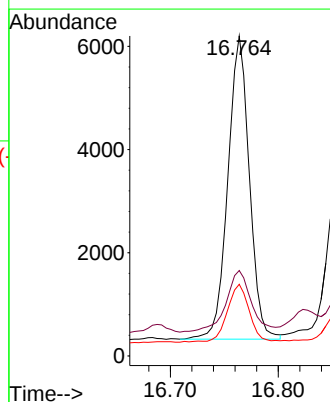
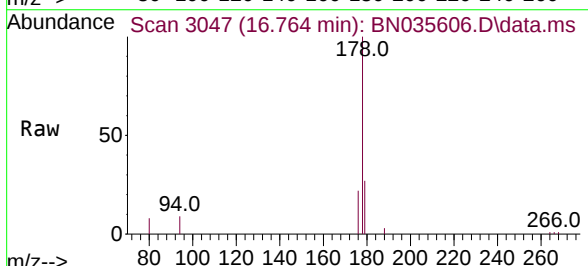
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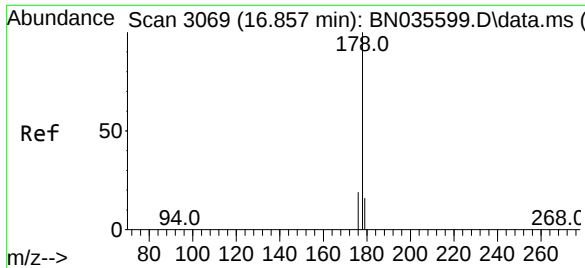
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#15
Phenanthrene
Concen: 0.339 ng/ul
RT: 16.764 min Scan# 3047
Delta R.T. 0.004 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

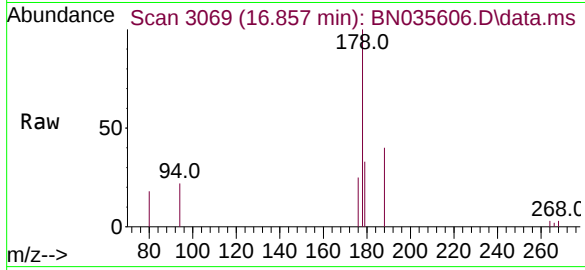
Tgt Ion:178 Resp: 8149
Ion Ratio Lower Upper
178 100
179 26.7 12.9 19.3
176 22.4 15.6 23.4





#16
 Anthracene
 Concen: 0.184 ng/ul
 RT: 16.857 min Scan# 3069
 Delta R.T. 0.009 min
 Lab File: BN035606.D
 Acq: 13 Dec 2024 20:42

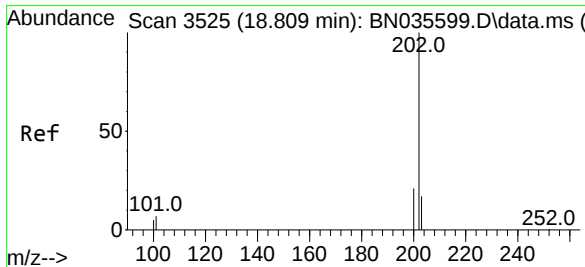
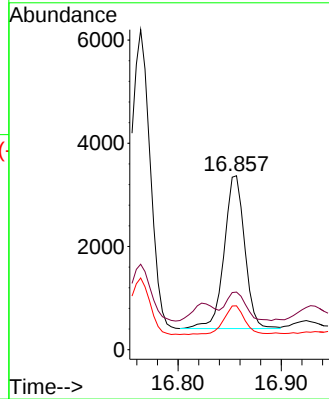
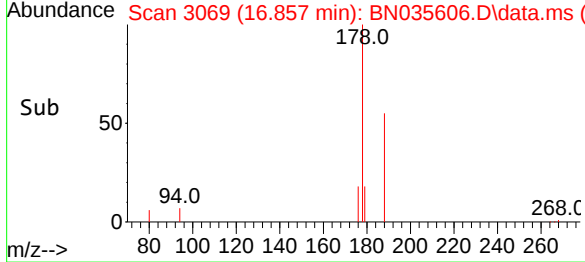
Instrument :
 BNA_N
 ClientSampleId :
 E28Q5



Tgt Ion:	178	Resp:	410
Ion Ratio	Lower	Upper	
178	100		
179	33.1	12.9	19.3
176	25.2	15.4	23.2

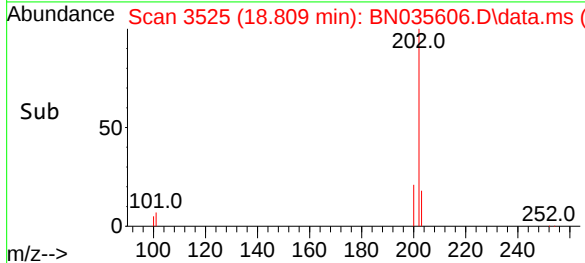
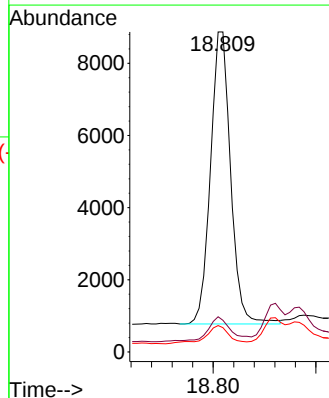
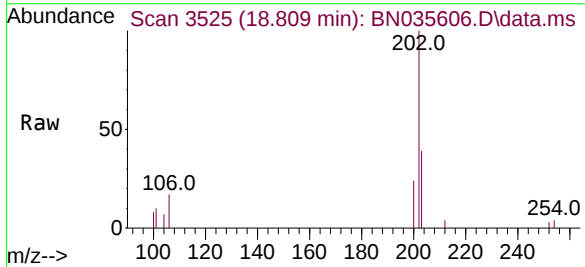
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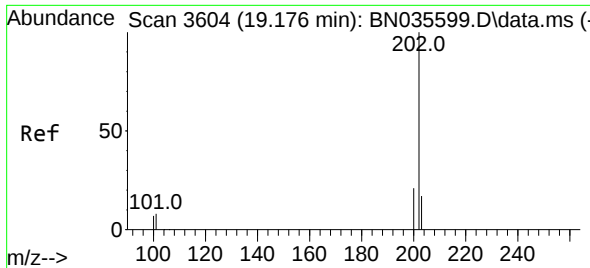
Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



#19
 Fluoranthene
 Concen: 0.562 ng/ul
 RT: 18.809 min Scan# 3525
 Delta R.T. 0.009 min
 Lab File: BN035606.D
 Acq: 13 Dec 2024 20:42

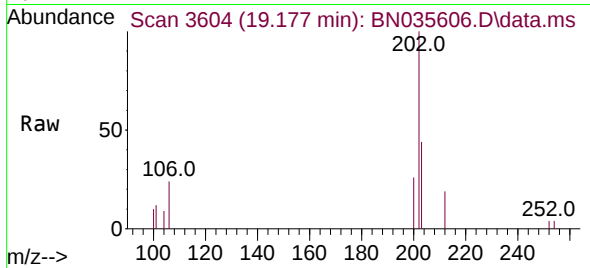
Tgt Ion:	202	Resp:	11012
Ion Ratio	Lower	Upper	
202	100		
101	9.9	5.8	8.6
100	7.6	4.5	6.7





#20
Pyrene
Concen: 0.527 ng/u1
RT: 19.177 min Scan# 3604
Delta R.T. 0.009 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

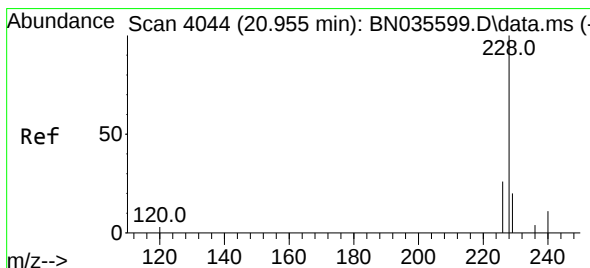
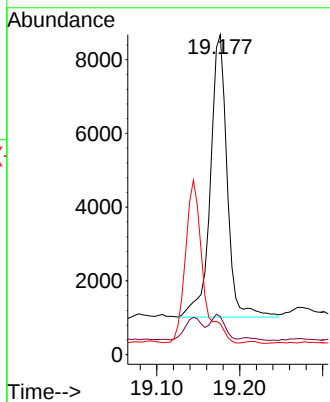
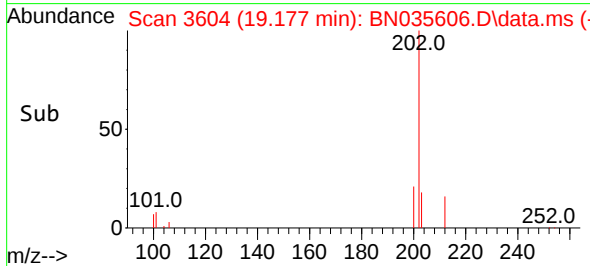
Instrument :
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Tgt Ion:202 Resp: 10748
Ion Ratio Lower Upper
202 100
101 11.9 6.2 9.4#
100 9.7 5.1 7.7#

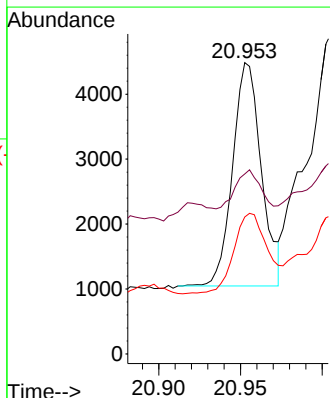
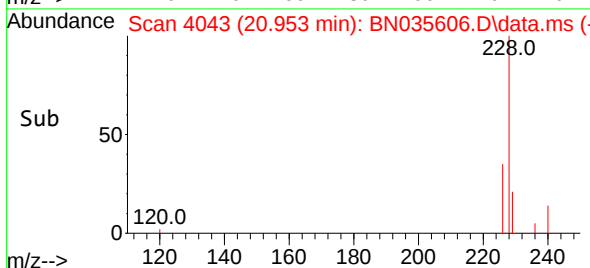
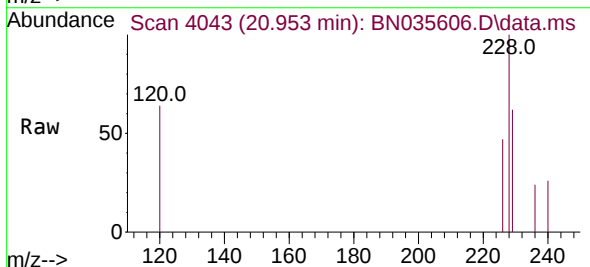
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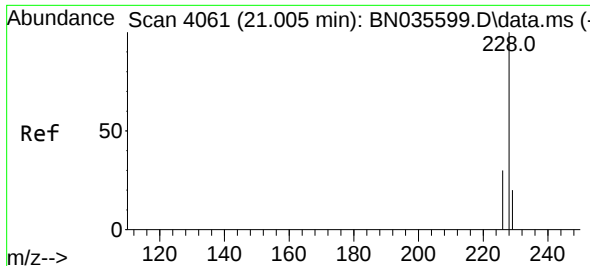
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#21
Benzo(a)anthracene
Concen: 0.216 ng/u1
RT: 20.953 min Scan# 4043
Delta R.T. 0.006 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

Tgt Ion:228 Resp: 4214
Ion Ratio Lower Upper
228 100
229 61.8 15.8 23.8#
226 47.0 21.8 32.8#





#22

Chrysene

Concen: 0.327 ng/ul

RT: 21.005 min Scan# 4061

Delta R.T. 0.009 min

Lab File: BN035606.D

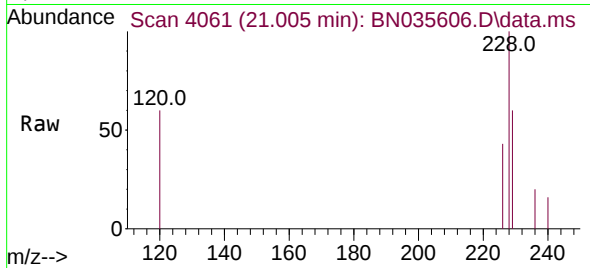
Acq: 13 Dec 2024 20:42

Instrument :

BNA_N

ClientSampleId :

E28Q5



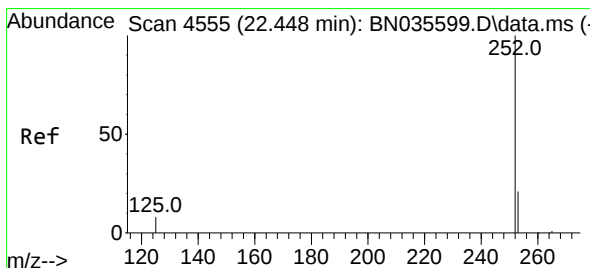
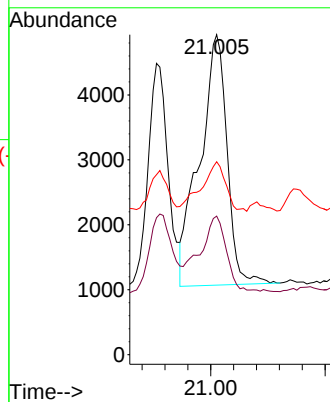
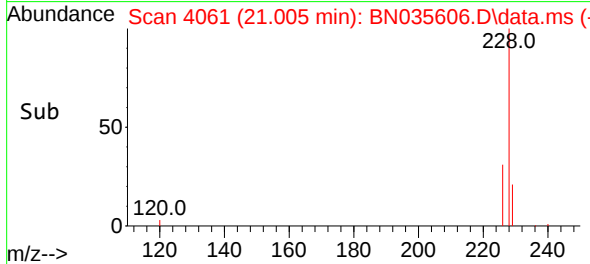
Tgt Ion:	228	Resp:	6414
Ion Ratio	Lower	Upper	
228	100		
226	43.3	24.7	37.1
229	60.3	16.0	24.0

Manual Integrations

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Supervised By :mohammad ahmed 12/14/2024



#24

Benzo(b)fluoranthene

Concen: 0.398 ng/ul m

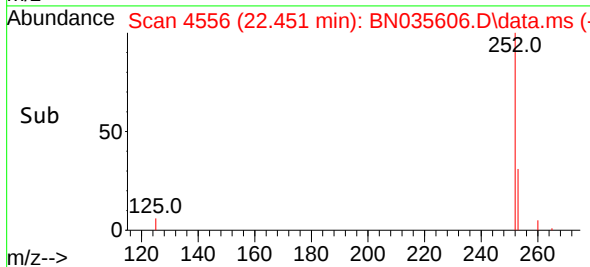
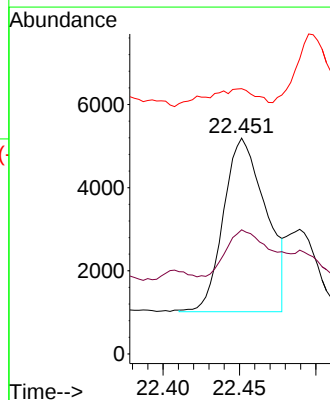
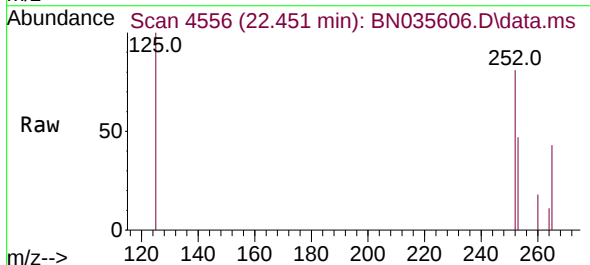
RT: 22.451 min Scan# 4556

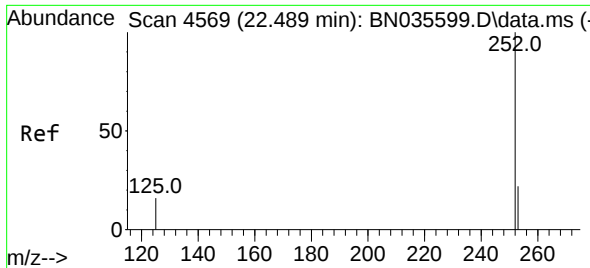
Delta R.T. 0.012 min

Lab File: BN035606.D

Acq: 13 Dec 2024 20:42

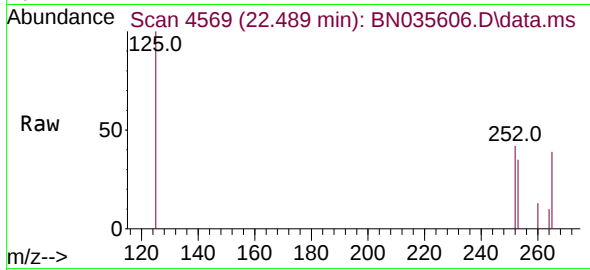
Tgt Ion:	252	Resp:	8067
Ion Ratio	Lower	Upper	
252	100		
253	57.5	0.0	54.0
125	122.9	0.0	19.4





#25
Benzo(k)fluoranthene
Concen: 0.126 ng/ul m
RT: 22.489 min Scan# 4569
Delta R.T. 0.009 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

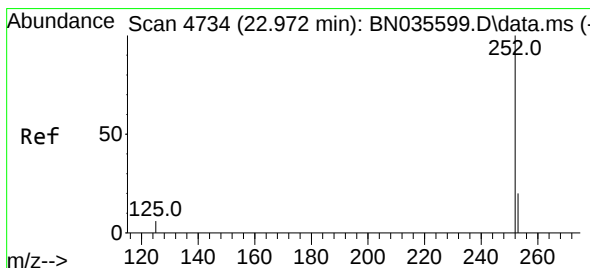
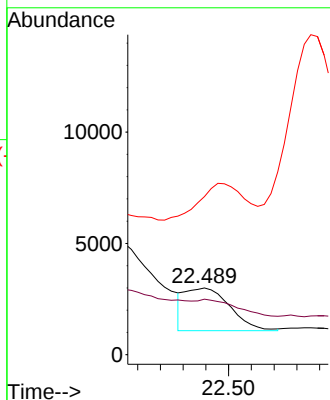
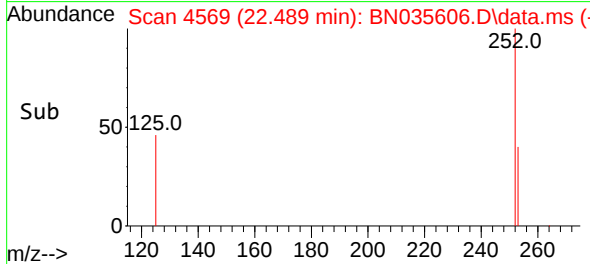
Instrument :
BNA_N
ClientSampleId :
E28Q5



Tgt Ion:252 Resp: 2630
Ion Ratio Lower Upper
252 100
253 83.3 21.8 32.6
125 236.9 8.6 12.8

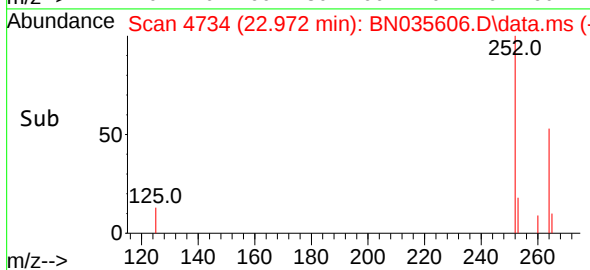
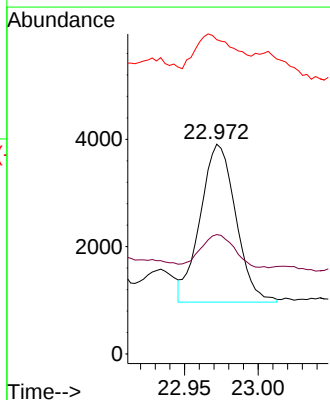
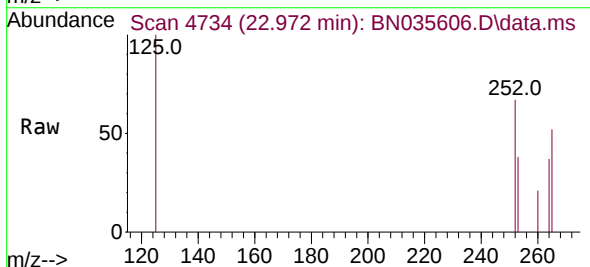
Manual Integrations
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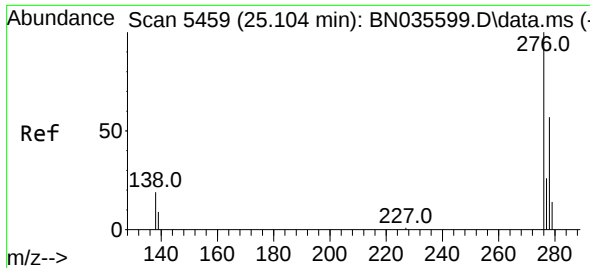
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#26
Benzo(a)pyrene
Concen: 0.266 ng/ul m
RT: 22.972 min Scan# 4734
Delta R.T. 0.012 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

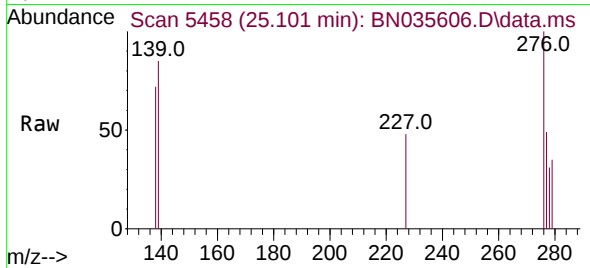
Tgt Ion:252 Resp: 4928
Ion Ratio Lower Upper
252 100
253 56.9 22.9 34.3#
125 149.8 9.4 14.2#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.192 ng/ul m
RT: 25.101 min Scan# 5459
Delta R.T. 0.020 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42

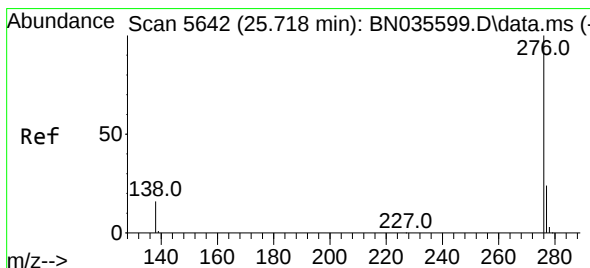
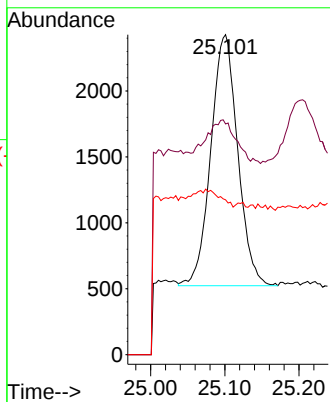
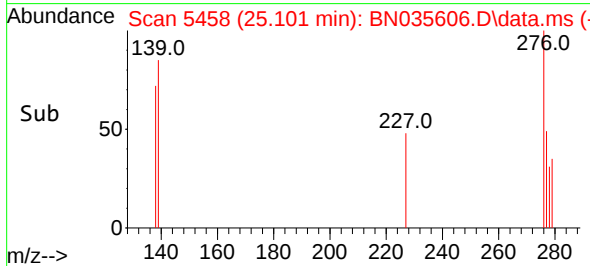
Instrument :
BNA_N
ClientSampleId :
E28Q5



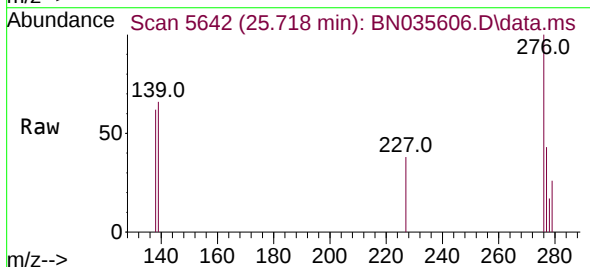
Tgt Ion:276 Resp: 4798
Ion Ratio Lower Upper
276 100
138 279.1 13.8 20.8#
227 0.0 0.2 0.4#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#29
Benzo(g,h,i)perylene
Concen: 0.321 ng/ul m
RT: 25.718 min Scan# 5642
Delta R.T. 0.027 min
Lab File: BN035606.D
Acq: 13 Dec 2024 20:42



Tgt Ion:276 Resp: 6336
Ion Ratio Lower Upper
276 100
138 62.4 13.0 19.6#
277 43.5 20.5 30.7#

