

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035660.D
 Acq On : 17 Dec 2024 18:23
 Operator : RC/JU
 Sample : P5232-19DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28T3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 01:11:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.280	152	3021	0.400	ng/ul	0.00
4) Naphthalene-d8	10.026	136	8747	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5960	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12407	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.961	240	10184	0.400	ng/ul	# 0.00
23) Perylene-d12	23.051	264	11538	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	1392	0.520	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	432	0.035	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	1033	0.035	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	13655m	0.637	ng/ul	
7) 2-Methylnaphthalene	11.708	142	5163	0.357	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	1825	0.122	ng/ul	99
10) Acenaphthylene	13.657	152	3658	0.158	ng/ul#	93
11) Acenaphthene	14.009	153	884	0.051	ng/ul	96
12) Fluorene	15.008	166	5293	0.261	ng/ul#	98
15) Phenanthrene	16.755	178	28140	0.906	ng/ul	99
16) Anthracene	16.844	178	22436	0.773	ng/ul	98
19) Fluoranthene	18.796	202	45520	1.250	ng/ul	99
20) Pyrene	19.163	202	39137	0.975	ng/ul	99
21) Benzo(a)anthracene	20.944	228	30050	0.890	ng/ul#	90
22) Chrysene	20.996	228	38814	1.107	ng/ul#	93
24) Benzo(b)fluoranthene	22.440	252	61504m	1.809	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	22132m	0.588	ng/ul	
26) Benzo(a)pyrene	22.960	252	20976	0.637	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.084	276	25392m	0.633	ng/ul	
28) Dibenzo(a,h)anthracene	25.094	278	8009m	0.262	ng/ul	
29) Benzo(g,h,i)perylene	25.698	276	5521	0.172	ng/ul#	43

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

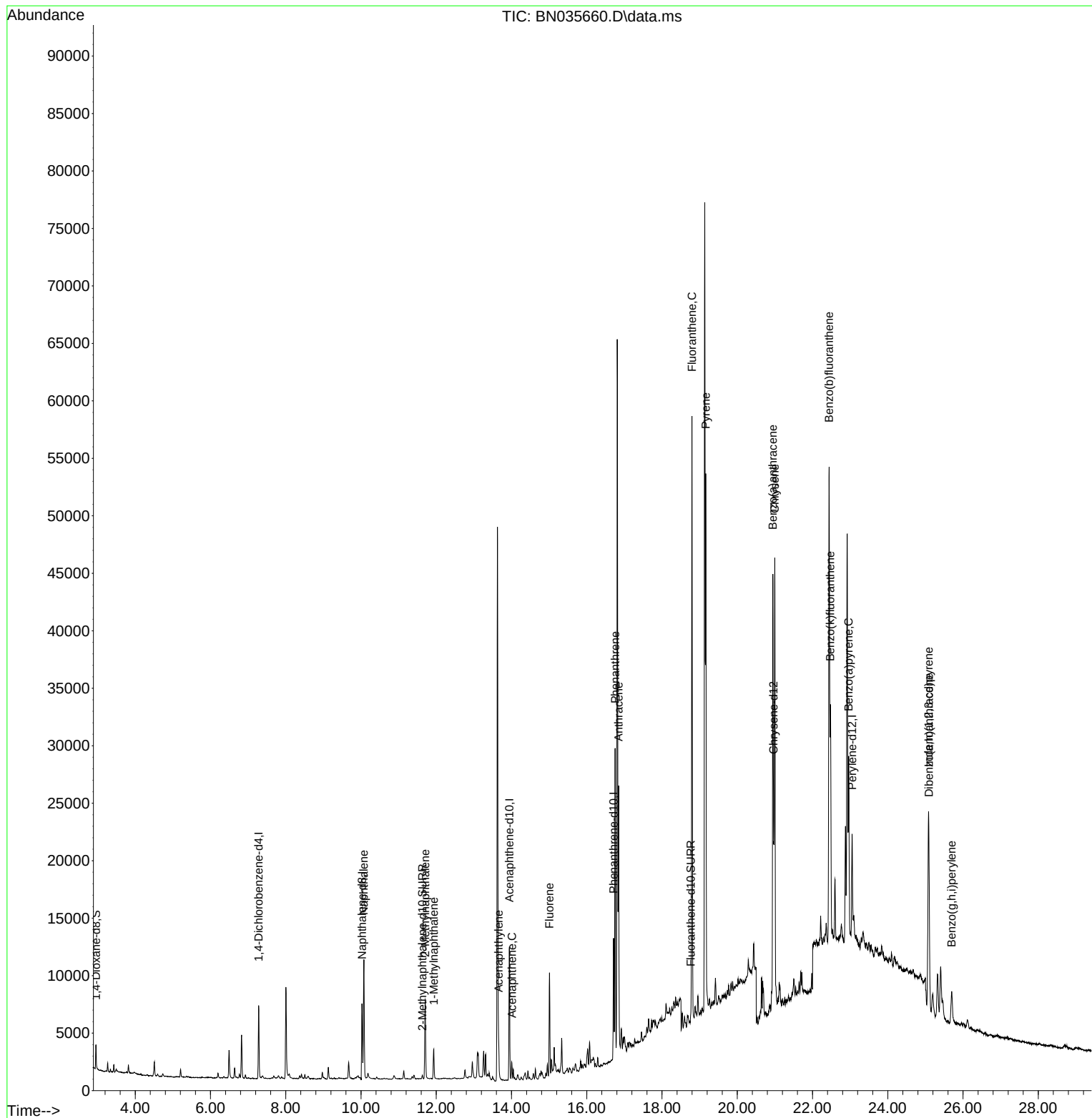
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035660.D
Acq On : 17 Dec 2024 18:23
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ALS Vial : 50 Sample Multiplier: 1

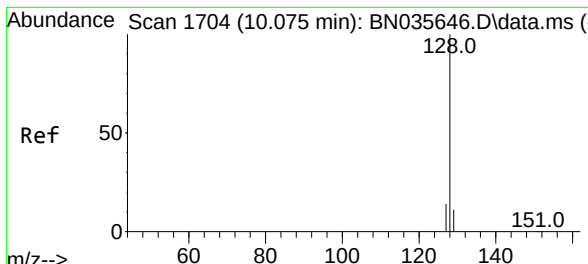
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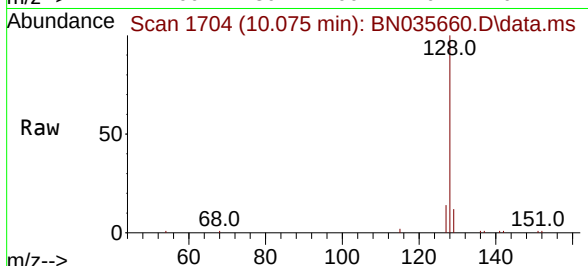
Quant Time: Dec 18 01:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.637 ng/ul m
RT: 10.075 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

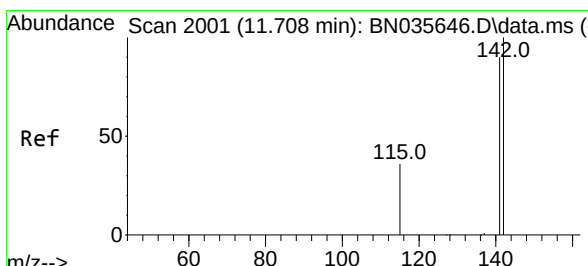
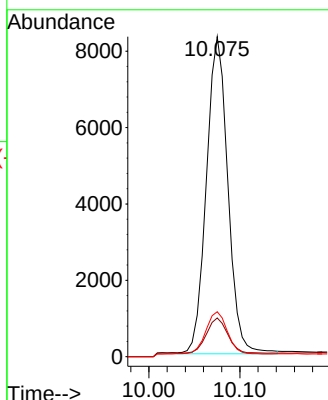
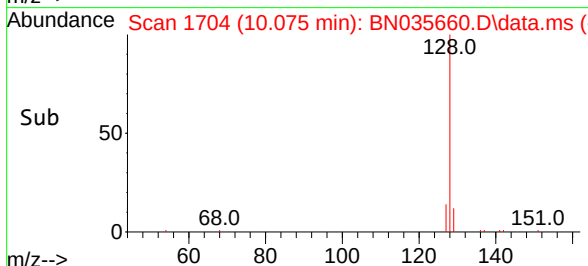
Instrument :
BNA_N
ClientSampleId :
E28T3DL



Tgt Ion:128 Resp: 1365
Ion Ratio Lower Upper
128 100
129 12.1 10.8 16.2
127 14.0 12.0 18.0

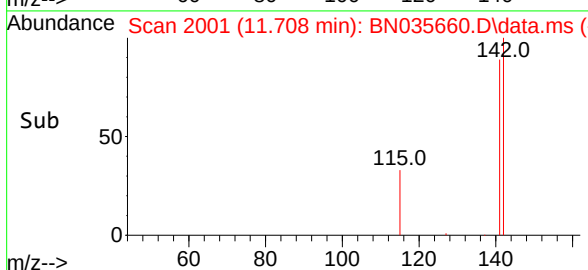
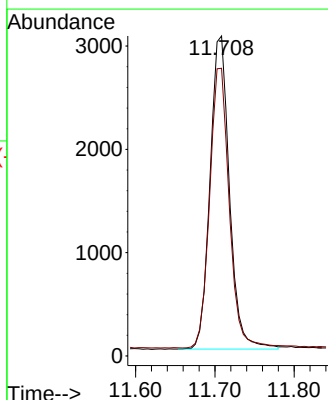
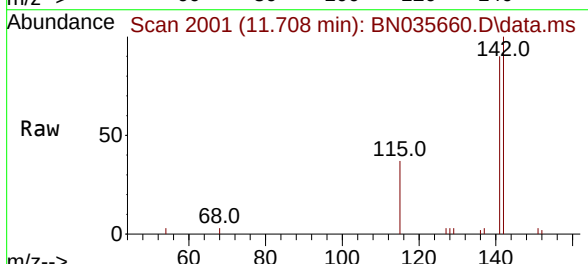
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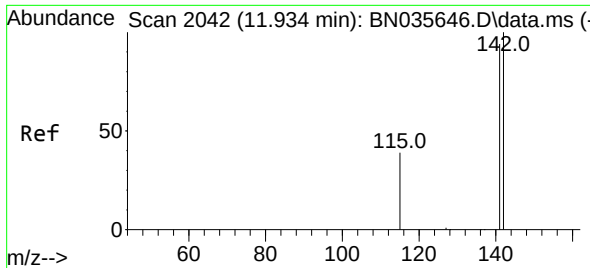
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.357 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Tgt Ion:142 Resp: 5163
Ion Ratio Lower Upper
142 100
141 90.3 72.8 109.2





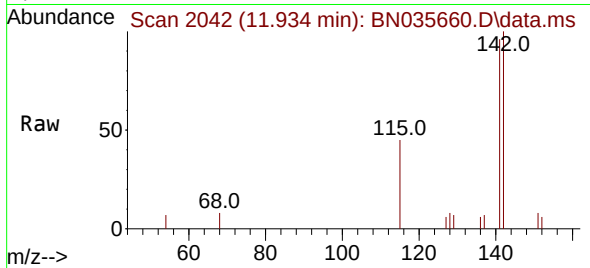
#8
1-Methylnaphthalene
Concen: 0.122 ng/ul
RT: 11.934 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Instrument :

BNA_N

ClientSampleId :

E28T3DL



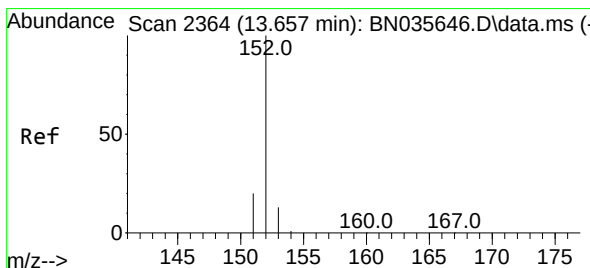
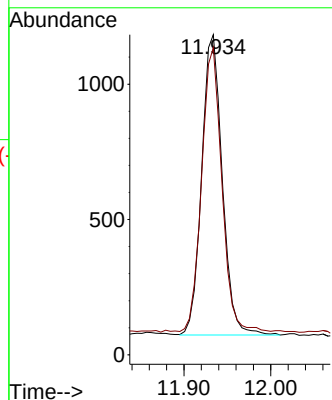
Tgt Ion:142 Resp: 1829
Ion Ratio Lower Upper
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141 92.4 74.7 112.1

Manual Integrations

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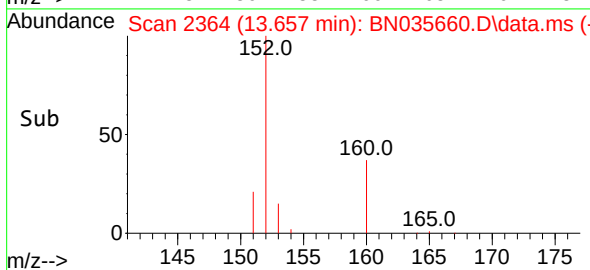
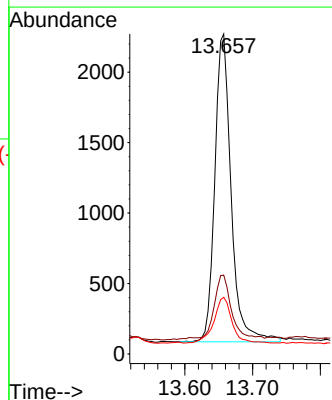
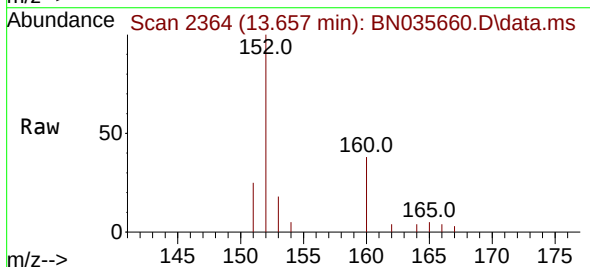
Reviewed By :Yogesh Patel 12/19/2024

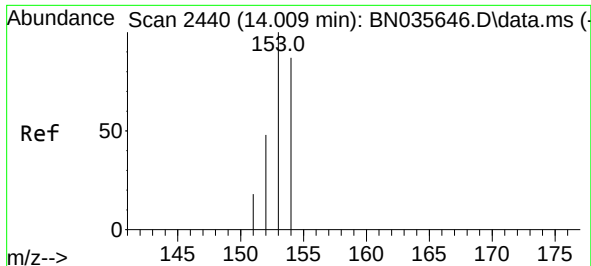
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#10
Acenaphthylene
Concen: 0.158 ng/ul
RT: 13.657 min Scan# 2364
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

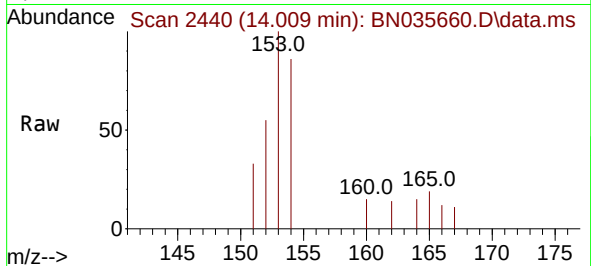
Tgt Ion:152 Resp: 3658
Ion Ratio Lower Upper
152 100
151 24.7 17.6 26.4
153 17.7 11.4 17.2#





#11
Acenaphthene
Concen: 0.051 ng/ul
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

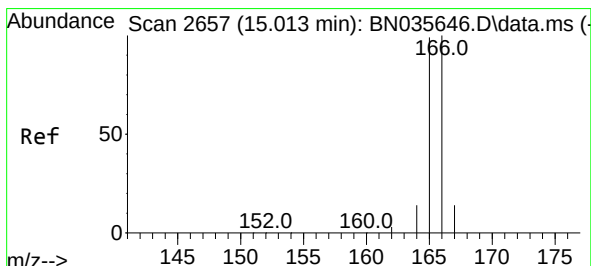
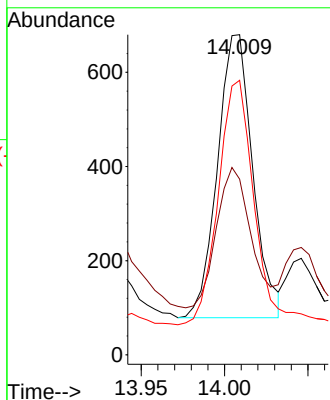
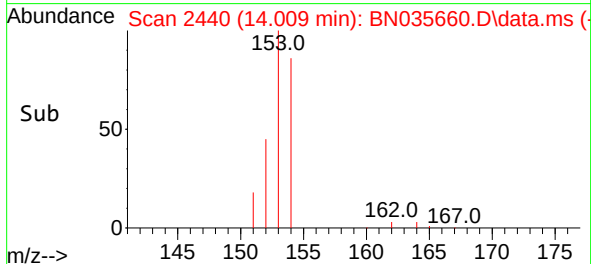
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:153 Resp: 884
Ion Ratio Lower Upper
153 100
152 54.9 39.8 59.6
154 85.7 69.8 104.8

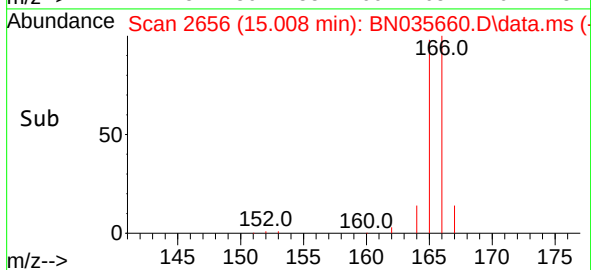
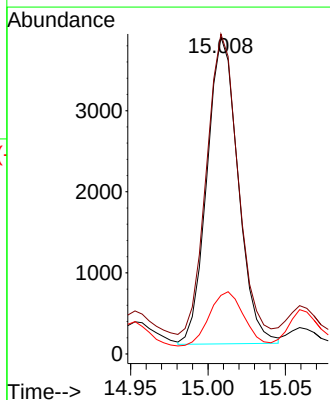
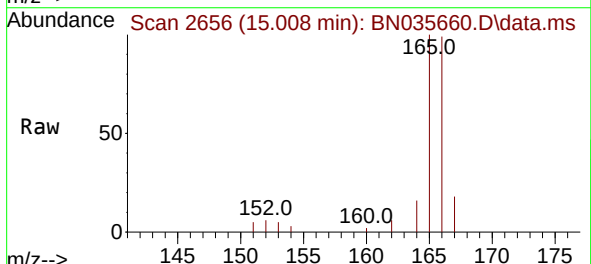
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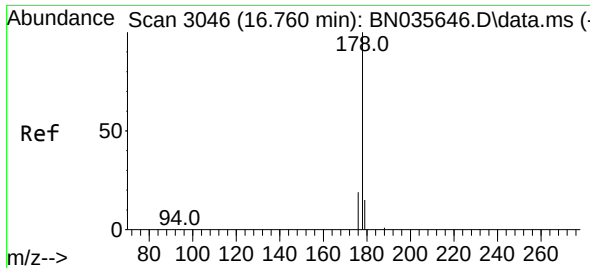
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Supervised By :mohammad ahmed 12/21/2024



#12
Fluorene
Concen: 0.261 ng/ul
RT: 15.008 min Scan# 2656
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Tgt Ion:166 Resp: 5293
Ion Ratio Lower Upper
166 100
165 100.8 79.5 119.3
167 18.5 11.8 17.8#





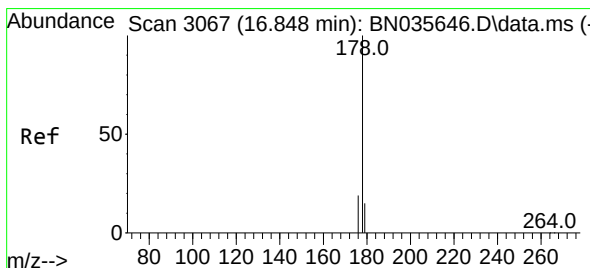
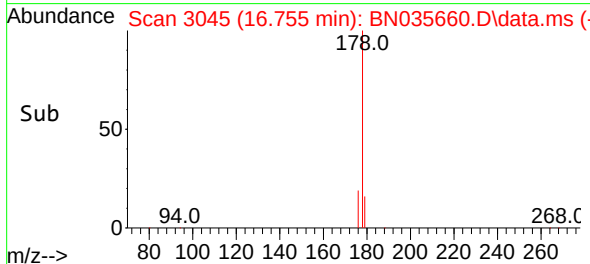
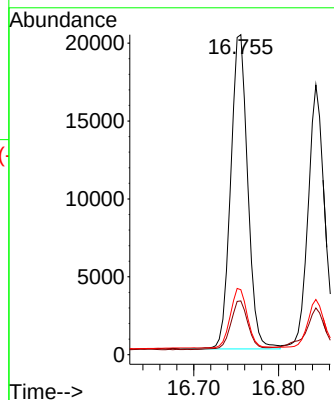
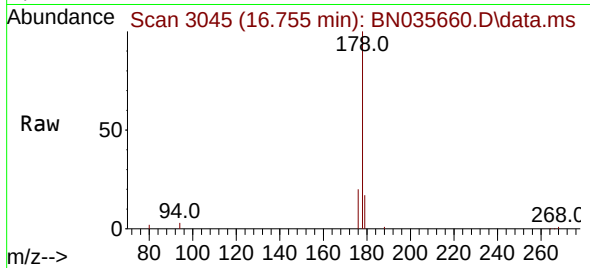
#15
Phenanthrene
Concen: 0.906 ng/ul
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Instrument :
BNA_N
ClientSampleId :
E28T3DL

Tgt Ion:178 Resp: 28140
Ion Ratio Lower Upper
178 100
179 16.8 13.3 19.9
176 20.3 15.8 23.8

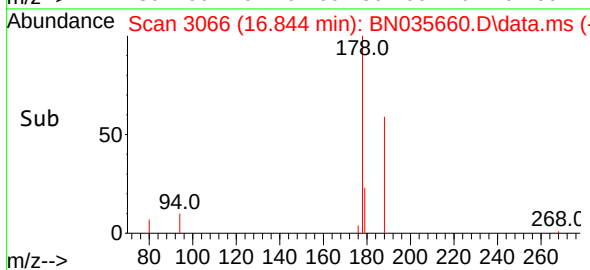
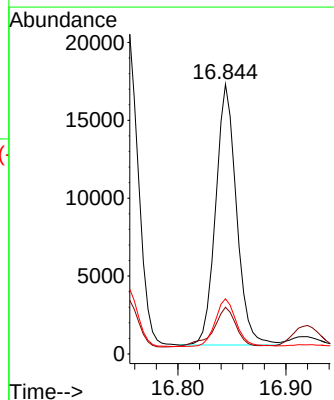
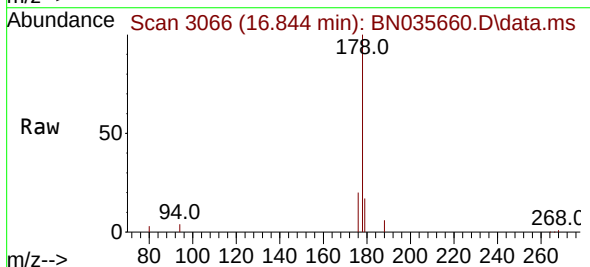
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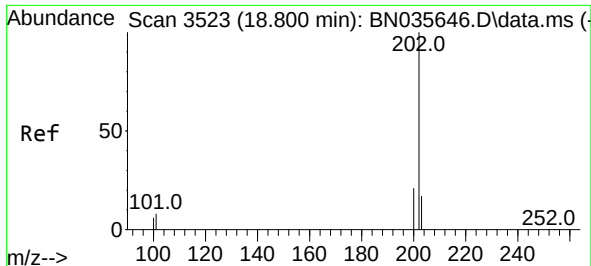
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#16
Anthracene
Concen: 0.773 ng/ul
RT: 16.844 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Tgt Ion:178 Resp: 22436
Ion Ratio Lower Upper
178 100
179 17.3 13.4 20.0
176 20.5 15.4 23.0





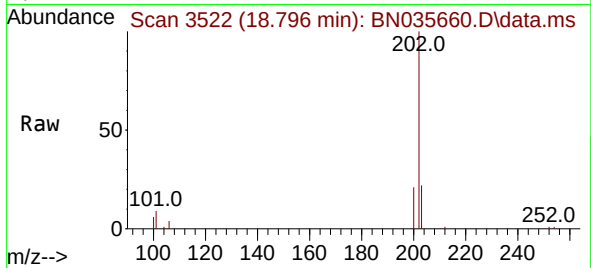
#19
Fluoranthene
Concen: 1.250 ng/ul
RT: 18.796 min Scan# 3522
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

Instrument :

BNA_N

ClientSampleId :

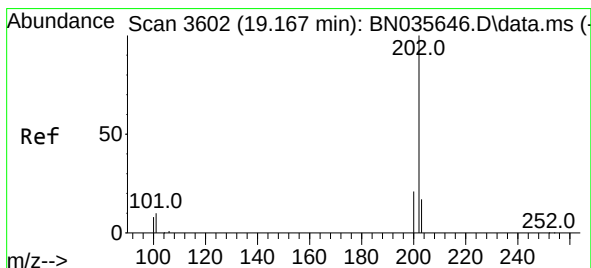
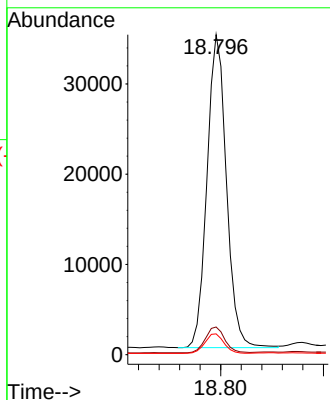
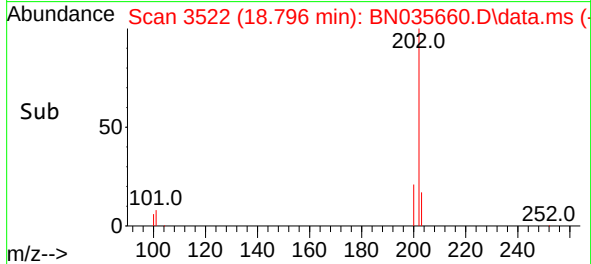
E28T3DL



Tgt Ion:202 Resp: 45520
Ion Ratio Lower Upper
202 100
101 8.7 7.3 10.9
100 6.5 5.4 8.0

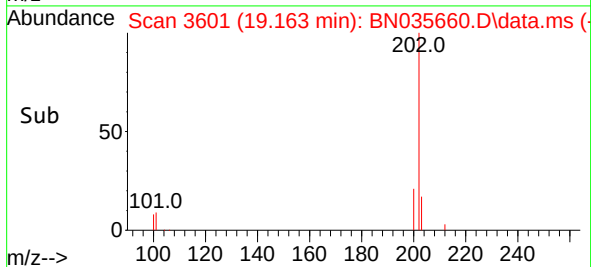
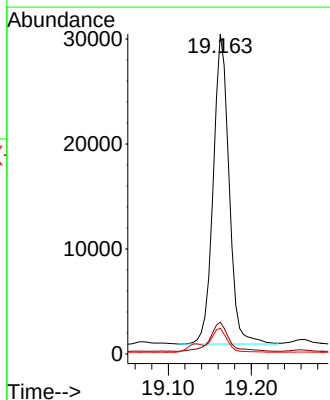
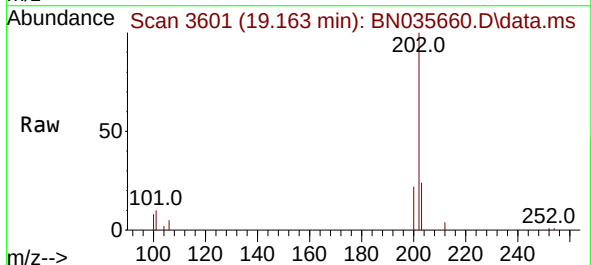
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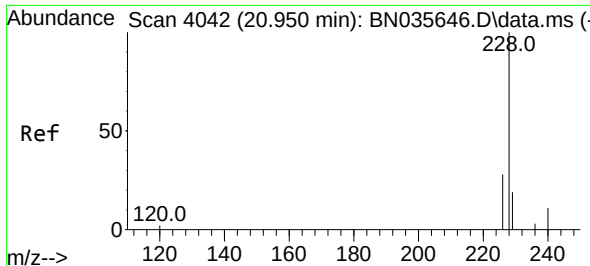
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#20
Pyrene
Concen: 0.975 ng/ul
RT: 19.163 min Scan# 3601
Delta R.T. -0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

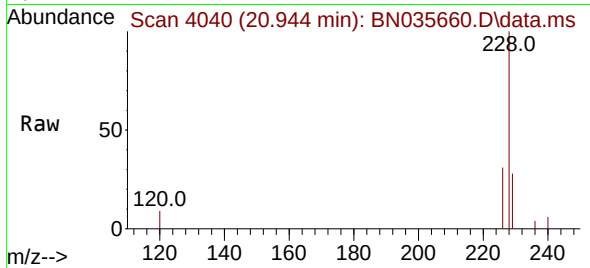
Tgt Ion:202 Resp: 39137
Ion Ratio Lower Upper
202 100
101 9.9 8.5 12.7
100 8.1 6.5 9.7





#21
Benzo(a)anthracene
Concen: 0.890 ng/ul
RT: 20.944 min Scan# 4058
Delta R.T. -0.006 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

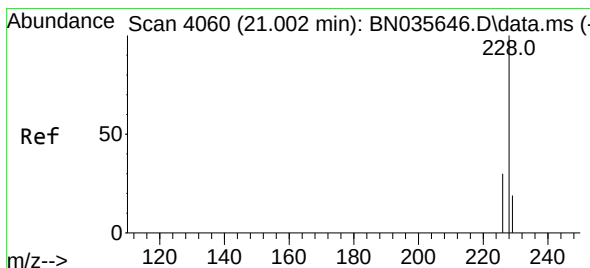
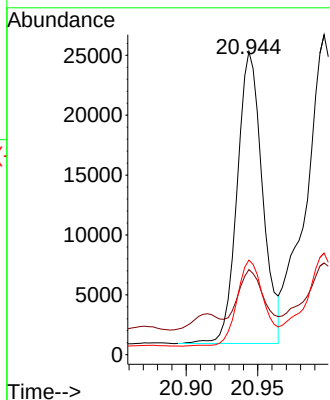
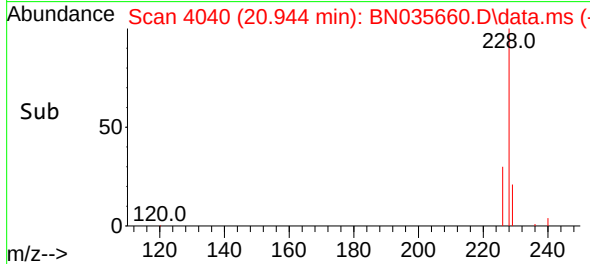
Instrument :
BNA_N
ClientSampleId :
E28T3DL



Tgt Ion:228 Resp: 30050
Ion Ratio Lower Upper
228 100
229 28.1 16.6 25.0
226 31.2 22.5 33.7

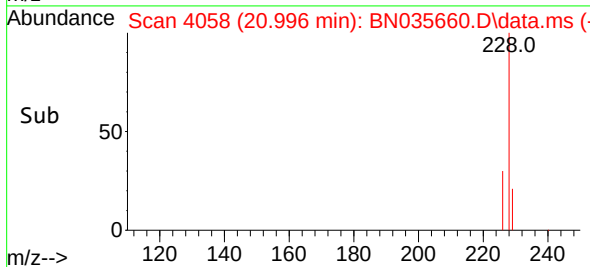
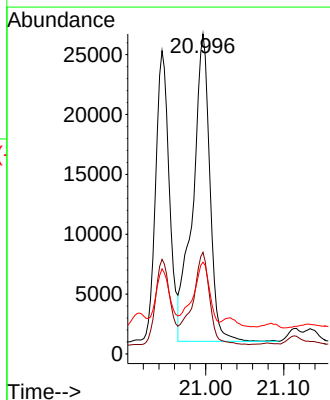
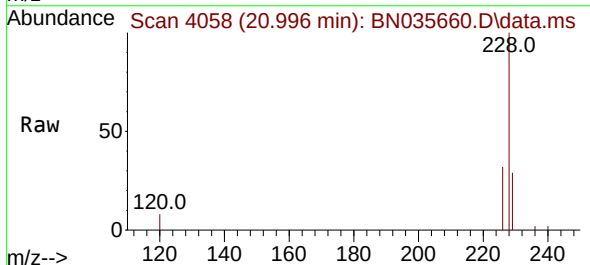
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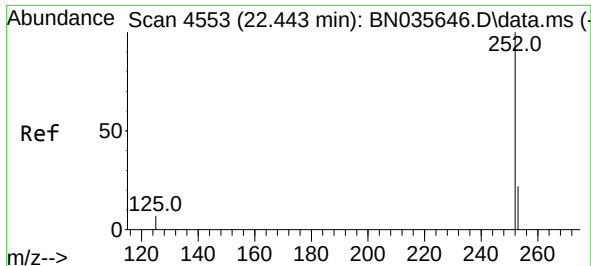
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#22
Chrysene
Concen: 1.107 ng/ul
RT: 20.996 min Scan# 4058
Delta R.T. -0.003 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

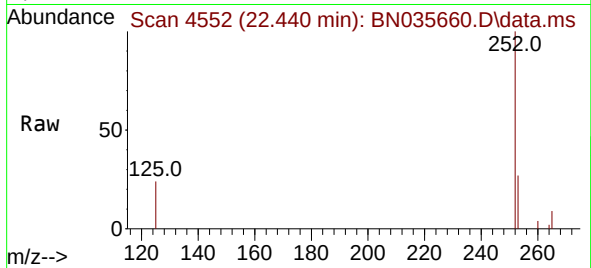
Tgt Ion:228 Resp: 38814
Ion Ratio Lower Upper
228 100
226 31.8 25.1 37.7
229 28.7 16.6 24.8





#24
Benzo(b)fluoranthene
Concen: 1.809 ng/ul m
RT: 22.440 min Scan# 4552
Delta R.T. -0.003 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

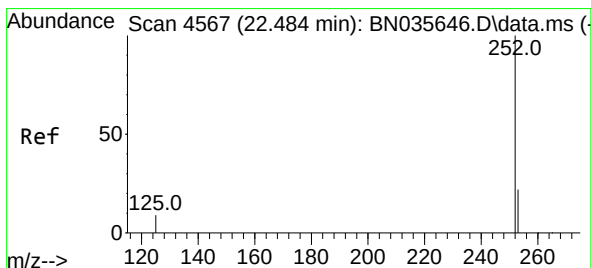
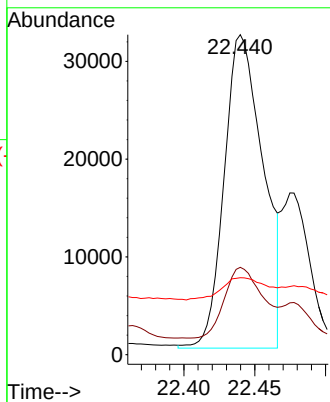
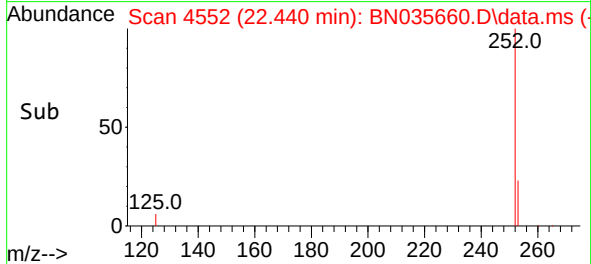
Instrument :
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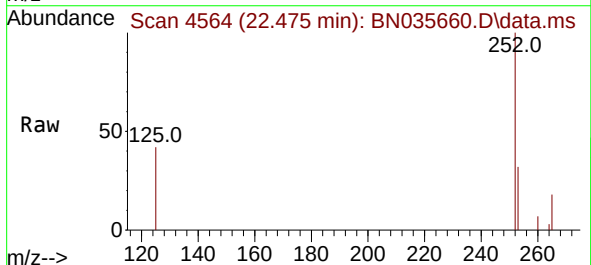
Tgt Ion:252 Resp: 61504
Ion Ratio Lower Upper
252 100
253 27.3 0.0 56.4
125 24.1 0.0 37.6

Manual Integrations
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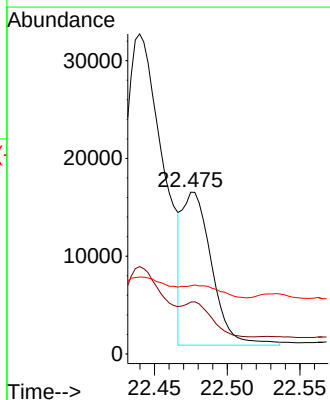
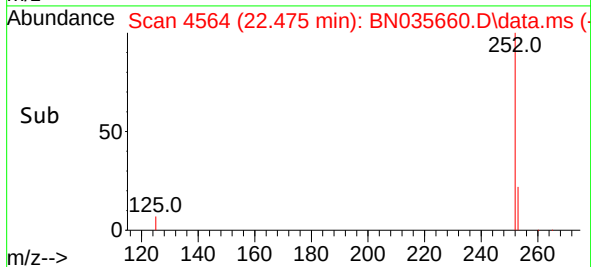
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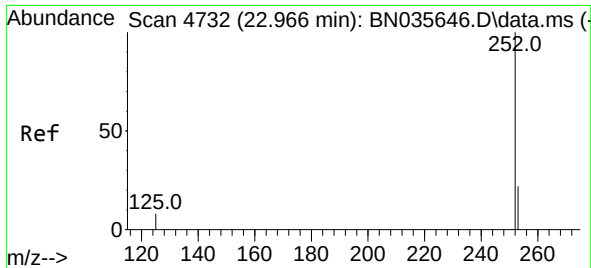


#25
Benzo(k)fluoranthene
Concen: 0.588 ng/ul m
RT: 22.475 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23



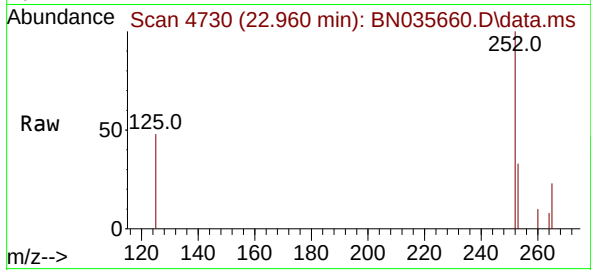
Tgt Ion:252 Resp: 22132
Ion Ratio Lower Upper
252 100
253 32.0 22.1 33.1
125 42.1 15.3 22.9#





#26
Benzo(a)pyrene
Concen: 0.637 ng/ul
RT: 22.960 min Scan# 4732
Delta R.T. -0.003 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23

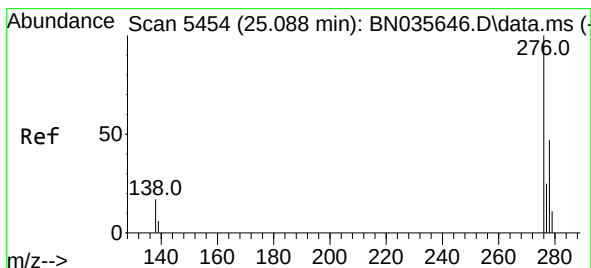
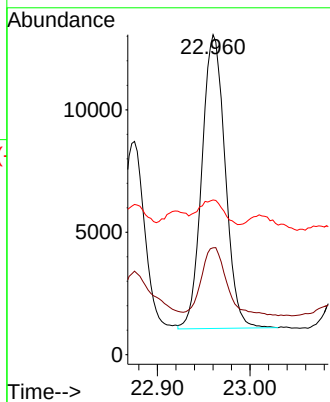
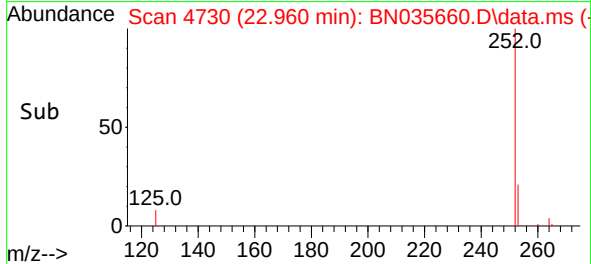
Instrument :
BNA_N
ClientSampleId :
E28T3DL



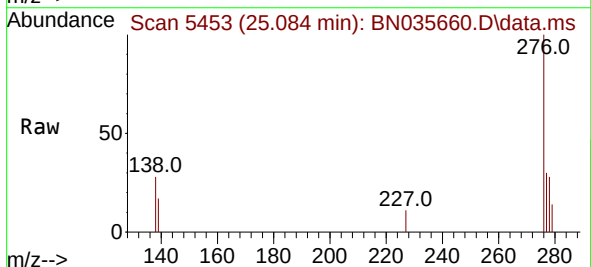
Tgt Ion:252 Resp: 20970
Ion Ratio Lower Upper
252 100
253 33.4 24.1 36.1
125 48.4 19.1 28.7

Manual Integrations
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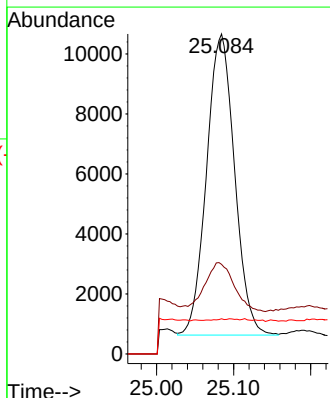
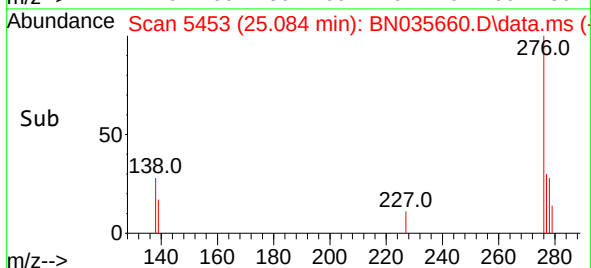
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

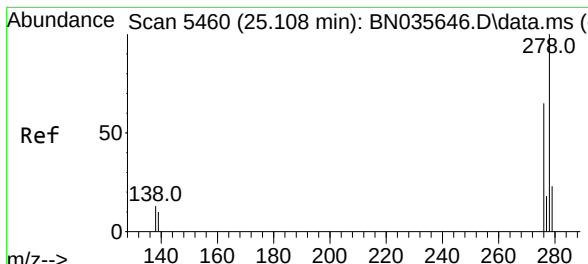


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.633 ng/ul m
RT: 25.084 min Scan# 5453
Delta R.T. 0.004 min
Lab File: BN035660.D
Acq: 17 Dec 2024 18:23



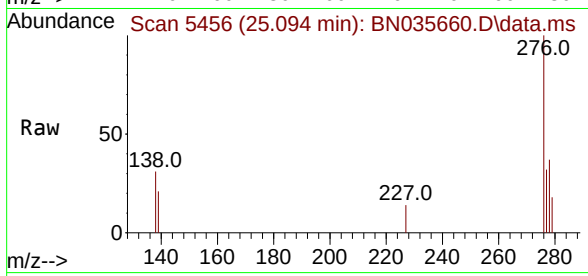
Tgt Ion:276 Resp: 25392
Ion Ratio Lower Upper
276 100
138 20.4 14.7 22.1
227 0.0 21.6 32.4





#28
 Dibenzo(a,h)anthracene
 Concen: 0.262 ng/ul m
 RT: 25.094 min Scan# 54
 Delta R.T. -0.007 min
 Lab File: BN035660.D
 Acq: 17 Dec 2024 18:23

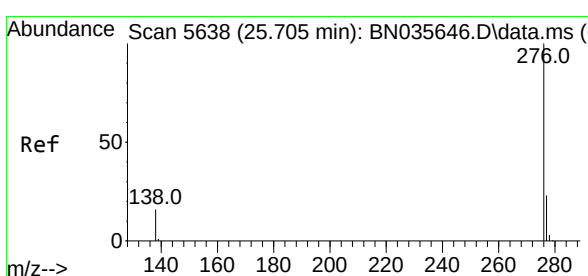
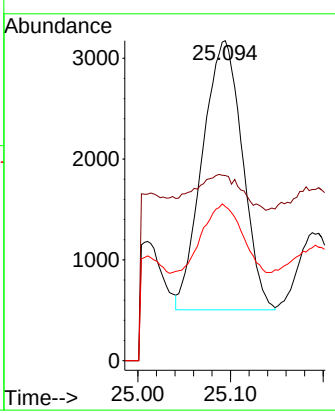
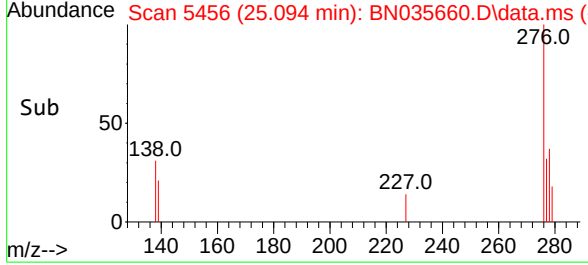
Instrument :
 BNA_N
 ClientSampleId :
 E28T3DL



Tgt Ion:278 Resp: 8009

Ion	Ratio	Lower	Upper
278	100		
139	57.8	19.8	29.8
279	48.2	24.0	36.0

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 12/19/2024
 Supervised By :mohammad ahmed 12/21/2024



#29
 Benzo(g,h,i)perylene
 Concen: 0.172 ng/ul
 RT: 25.698 min Scan# 5636
 Delta R.T. 0.000 min
 Lab File: BN035660.D
 Acq: 17 Dec 2024 18:23

Tgt Ion:276 Resp: 5521

Ion	Ratio	Lower	Upper
276	100		
138	64.9	19.6	29.4
277	44.9	21.6	32.4

