

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035654.D
 Acq On : 17 Dec 2024 14:48
 Operator : RC/JU
 Sample : P5232-08DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 16:02:32 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	7.284	152	2830	0.400	ng/ul	0.00
4) Naphthalene-d8	10.026	136	8559	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	6025	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	13105	0.400	ng/ul	0.00
17) Chrysene-d12	20.962	240	11249	0.400	ng/ul	0.00
23) Perylene-d12	23.048	264	12084m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	1657	0.660	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	579	0.047	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	1459	0.044	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.075	128	3427m	0.163	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1662	0.118	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	838	0.057	ng/ul	99
10) Acenaphthylene	13.657	152	869	0.037	ng/ul#	74
12) Fluorene	15.013	166	708	0.034	ng/ul#	86
15) Phenanthrene	16.755	178	10577	0.322	ng/ul	99
16) Anthracene	16.844	178	2315	0.076	ng/ul#	86
19) Fluoranthene	18.796	202	13007	0.323	ng/ul	99
20) Pyrene	19.163	202	12666	0.286	ng/ul	97
21) Benzo(a)anthracene	20.944	228	7568	0.203	ng/ul#	89
22) Chrysene	20.997	228	10559	0.273	ng/ul#	92
24) Benzo(b)fluoranthene	22.437	252	16054m	0.451	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	6427m	0.163	ng/ul	
26) Benzo(a)pyrene	22.958	252	10705	0.310	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.078	276	9312m	0.222	ng/ul	
28) Dibenzo(a,h)anthracene	25.085	278	2182m	0.068	ng/ul	
29) Benzo(g,h,i)perylene	25.692	276	11016	0.327	ng/ul	94

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

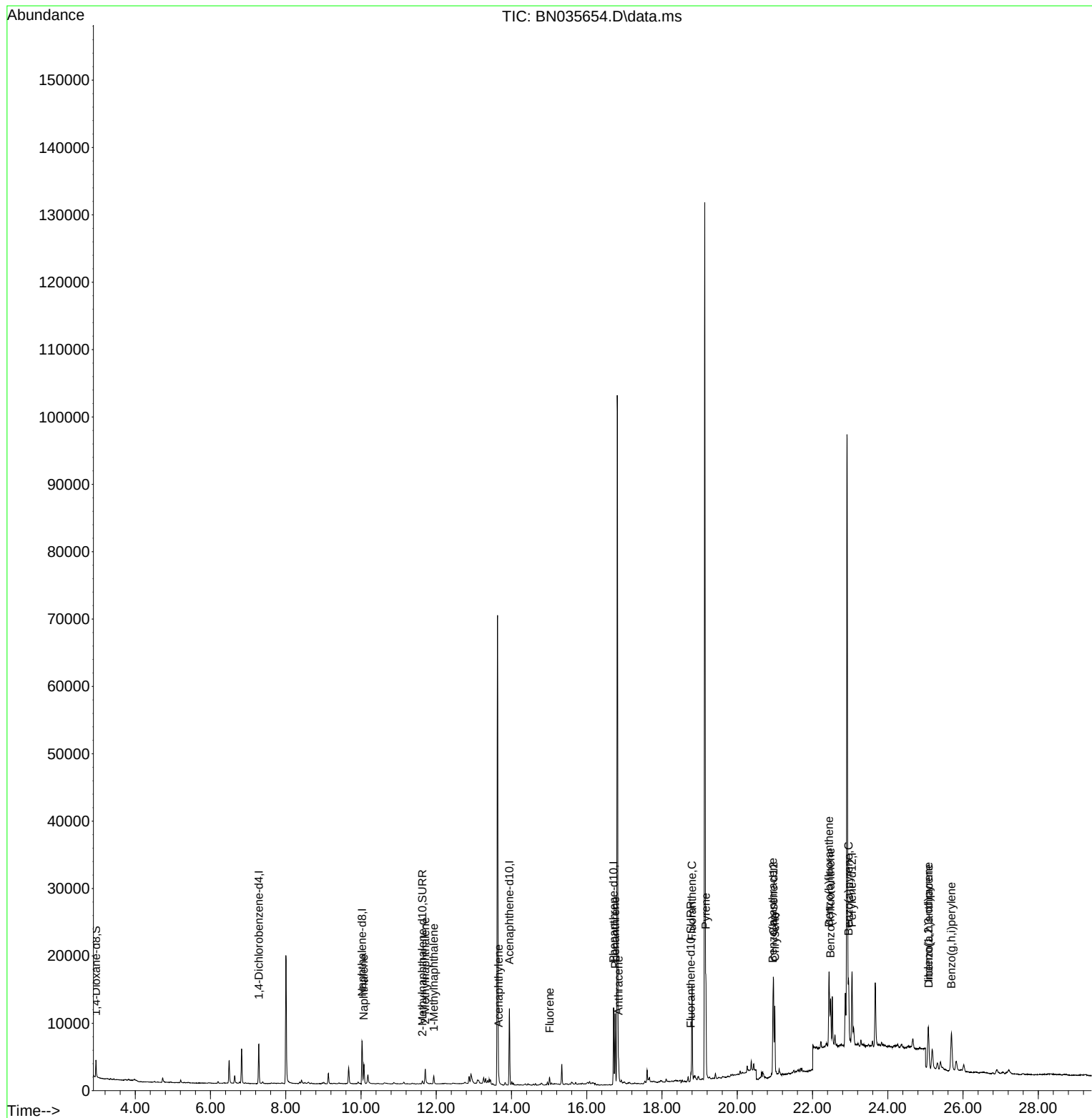
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035654.D
Acq On : 17 Dec 2024 14:48
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ALS Vial : 44 Sample Multiplier: 1

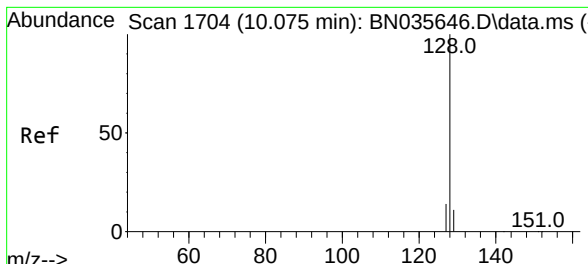
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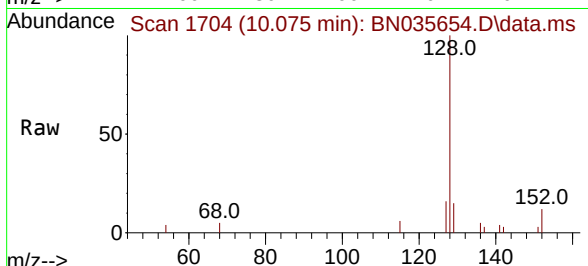
Quant Time: Dec 17 16:02:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.163 ng/ul m
RT: 10.075 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

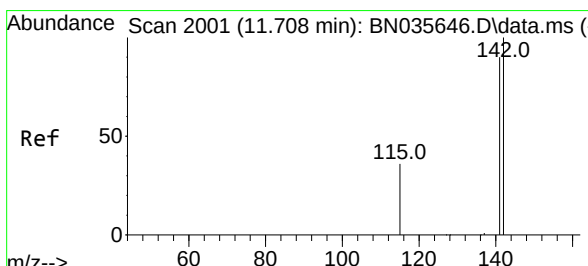
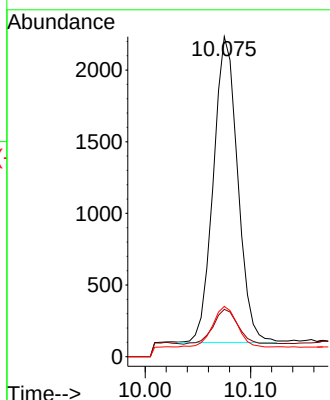
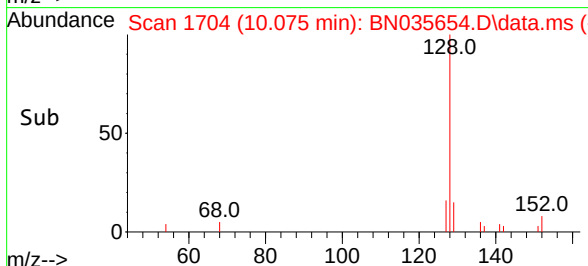
Instrument :
BNA_N
ClientSampleId :
E28S2DL



Tgt Ion:128 Resp: 342
Ion Ratio Lower Upper
128 100
129 14.8 10.8 16.2
127 15.7 12.0 18.0

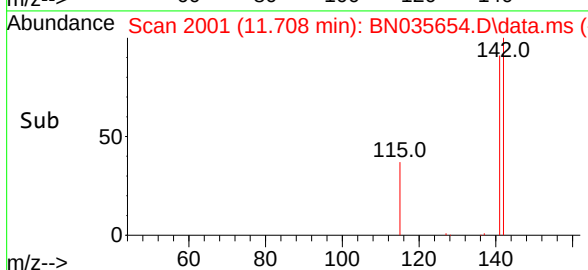
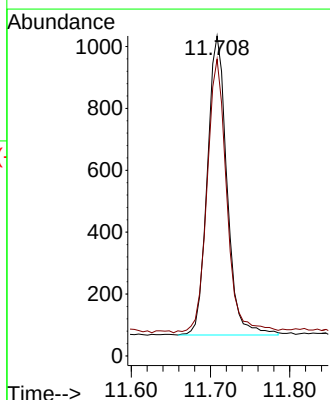
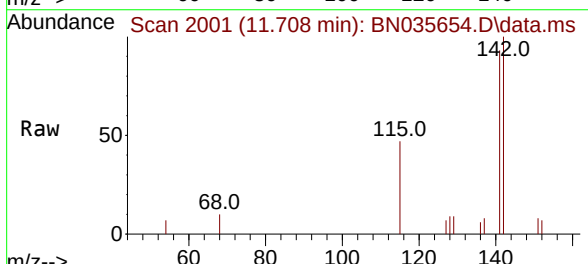
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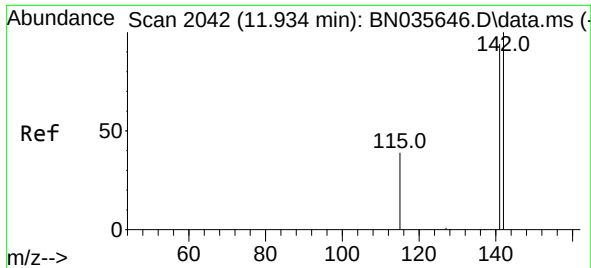
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.118 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

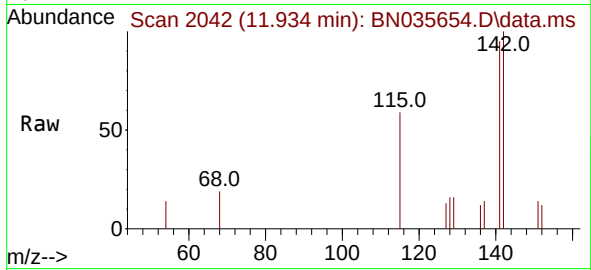
Tgt Ion:142 Resp: 1662
Ion Ratio Lower Upper
142 100
141 91.9 72.8 109.2





#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 11.934 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

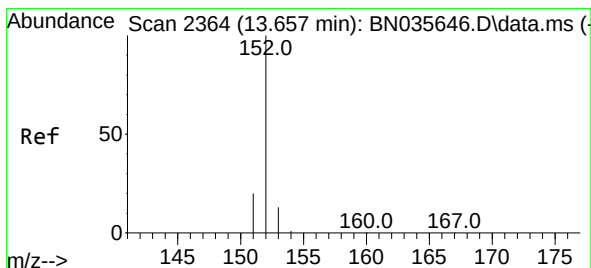
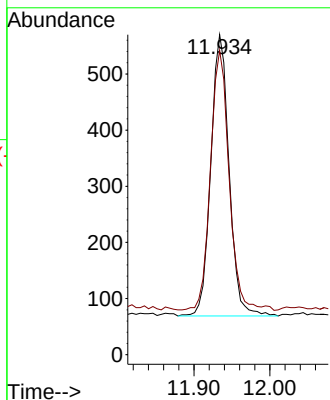
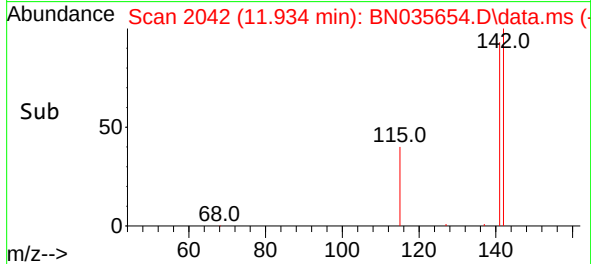
Instrument :
BNA_N
ClientSampleId :
E28S2DL



Tgt Ion:142 Resp: 838
Ion Ratio Lower Upper
142 100
141 94.3 74.7 112.1

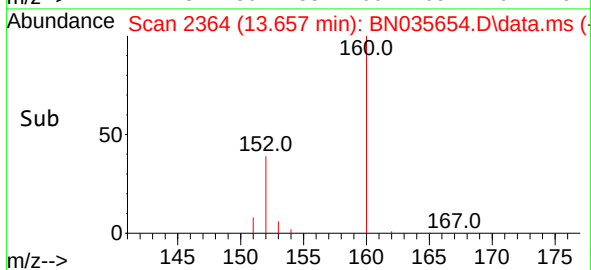
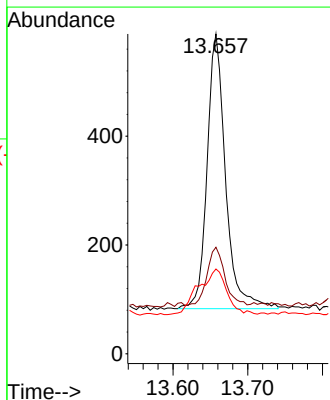
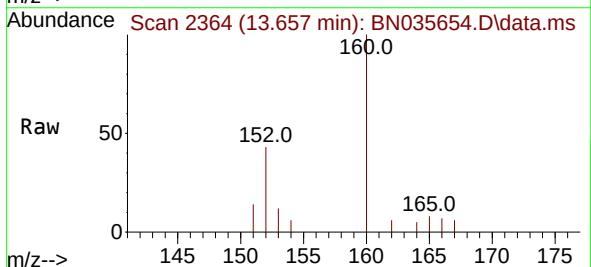
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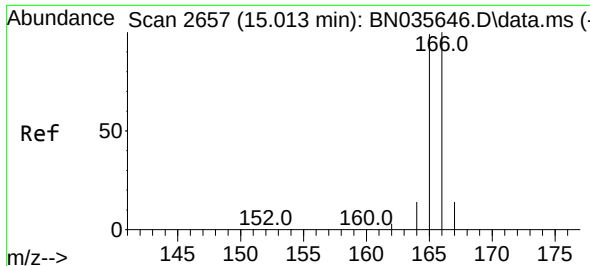
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#10
Acenaphthylene
Concen: 0.037 ng/ul
RT: 13.657 min Scan# 2364
Delta R.T. -0.004 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

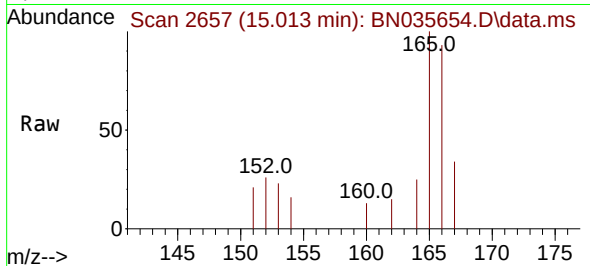
Tgt Ion:152 Resp: 869
Ion Ratio Lower Upper
152 100
151 33.3 17.6 26.4#
153 26.5 11.4 17.2#





#12
Fluorene
Concen: 0.034 ng/u1
RT: 15.013 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

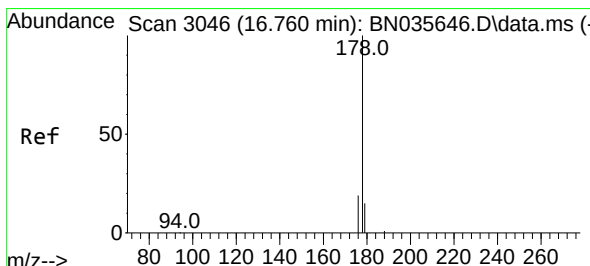
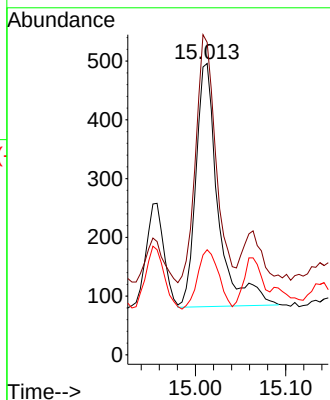
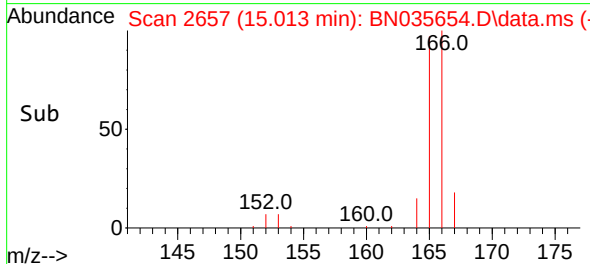
Instrument :
BNA_N
ClientSampleId :
E28S2DL



Tgt Ion:166 Resp: 708
Ion Ratio Lower Upper
166 100
165 107.3 79.5 119.3
167 36.1 11.8 17.8

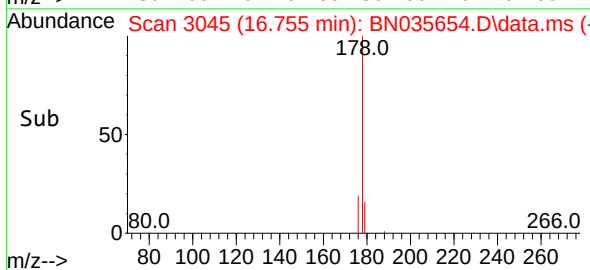
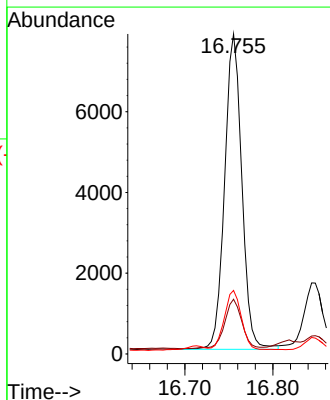
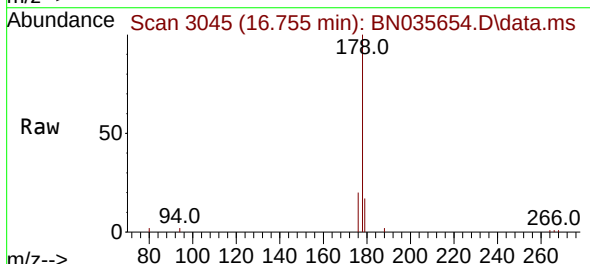
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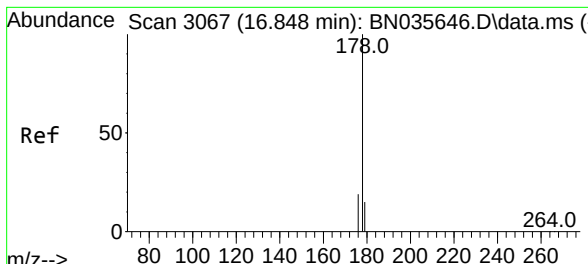
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#15
Phenanthrene
Concen: 0.322 ng/u1
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

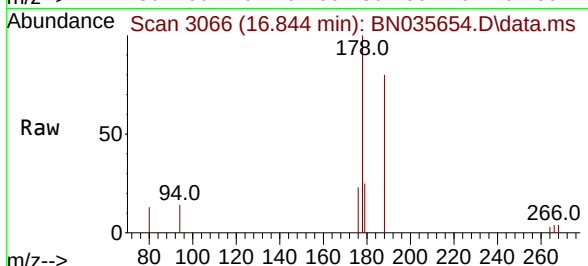
Tgt Ion:178 Resp: 10577
Ion Ratio Lower Upper
178 100
179 17.1 13.3 19.9
176 19.9 15.8 23.8





#16
 Anthracene
 Concen: 0.076 ng/ul
 RT: 16.844 min Scan# 3066
 Delta R.T. -0.004 min
 Lab File: BN035654.D
 Acq: 17 Dec 2024 14:48

Instrument :
 BNA_N
 ClientSampleId :
 E28S2DL

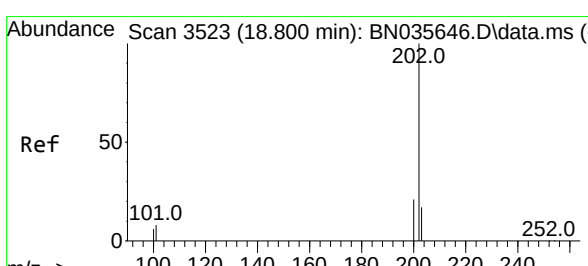
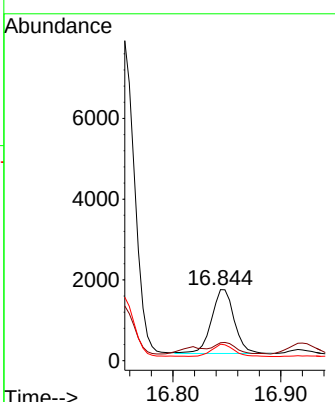
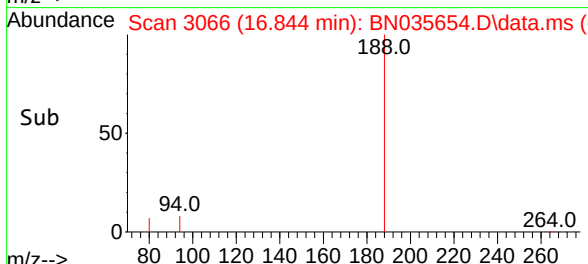


Tgt Ion: 178 Resp: 2315

Ion	Ratio	Lower	Upper
178	100		
179	25.1	13.4	20.0
176	23.2	15.4	23.0

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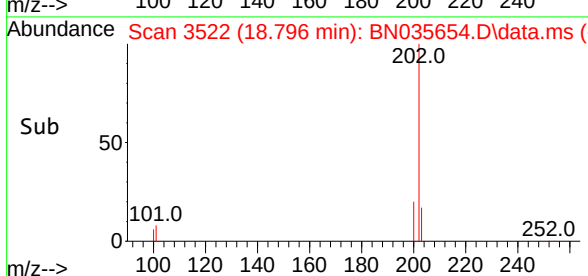
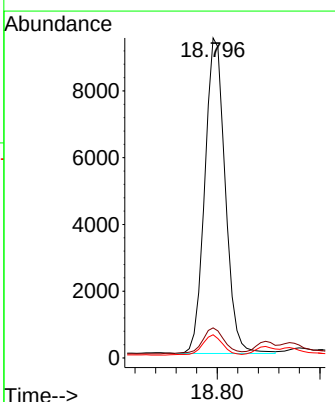
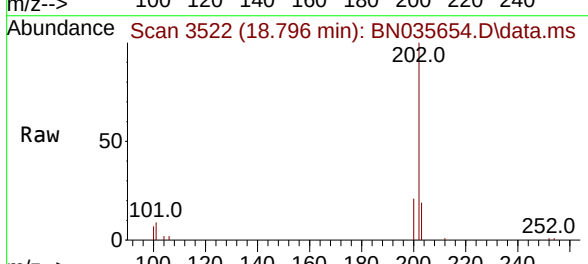
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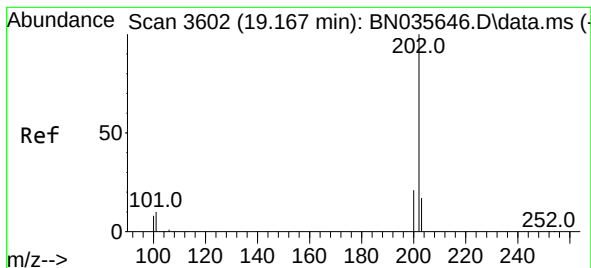


#19
 Fluoranthene
 Concen: 0.323 ng/ul
 RT: 18.796 min Scan# 3522
 Delta R.T. -0.004 min
 Lab File: BN035654.D
 Acq: 17 Dec 2024 14:48

Tgt Ion: 202 Resp: 13007

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.3	10.9
100	7.2	5.4	8.0





#20

Pyrene

Concen: 0.286 ng/ul

RT: 19.163 min Scan# 30

Delta R.T. -0.004 min

Lab File: BN035654.D

Acq: 17 Dec 2024 14:48

Instrument :

BNA_N

ClientSampleId :

E28S2DL

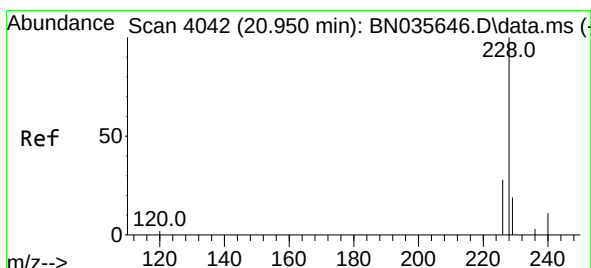
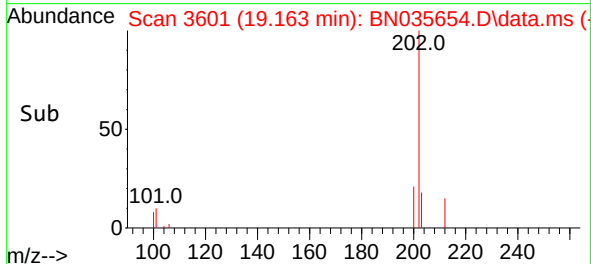
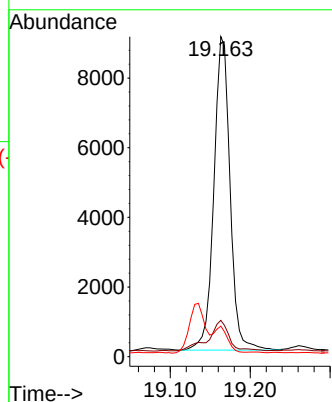
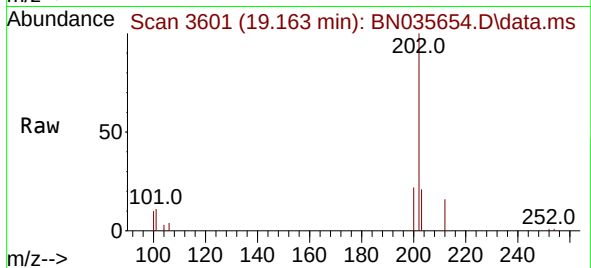
Tgt Ion:	202	Resp:	1266
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.5	12.7
100	9.5	6.5	9.7

Manual Integrations

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#21

Benzo(a)anthracene

Concen: 0.203 ng/ul

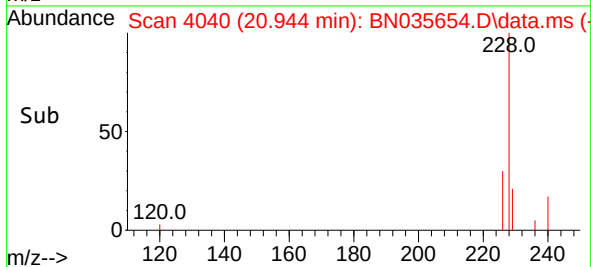
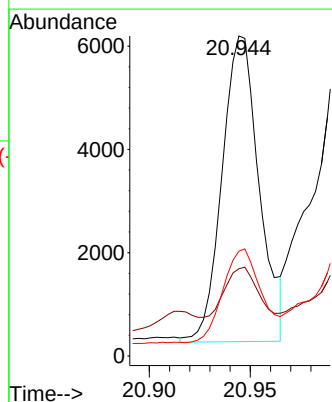
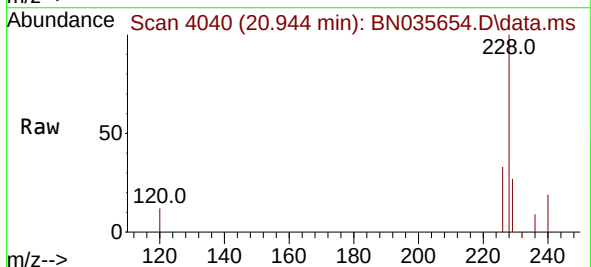
RT: 20.944 min Scan# 4040

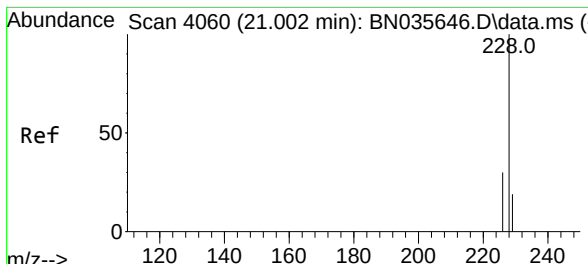
Delta R.T. -0.005 min

Lab File: BN035654.D

Acq: 17 Dec 2024 14:48

Tgt Ion:	228	Resp:	7568
Ion Ratio	Lower	Upper	
228	100		
229	27.3	16.6	25.0#
226	32.8	22.5	33.7





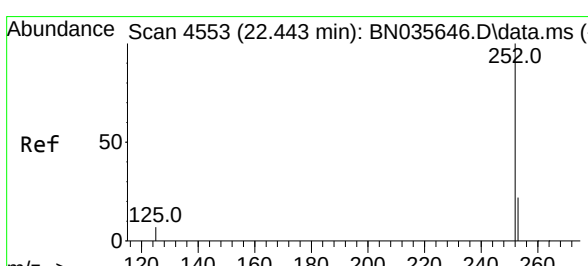
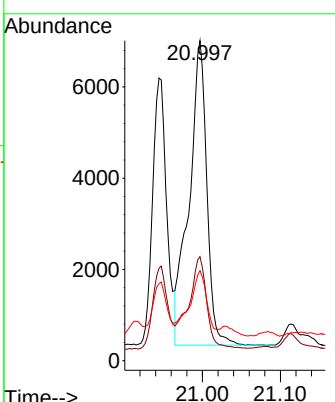
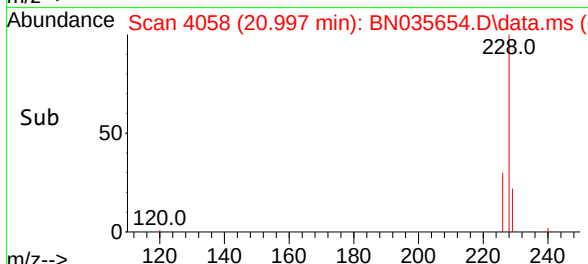
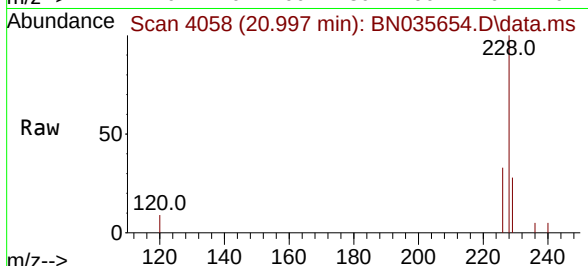
#22
Chrysene
 Concen: 0.273 ng/ul
 RT: 20.997 min Scan# 4060
 Delta R.T. -0.002 min
 Lab File: BN035654.D
 Acq: 17 Dec 2024 14:48

Instrument : BNA_N
ClientSampleId : E28S2DL

Tgt Ion:228 Resp: 1055

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.1	37.7
229	28.1	16.6	24.8

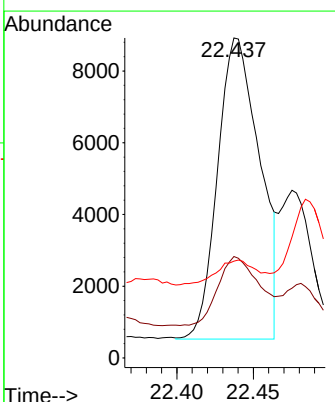
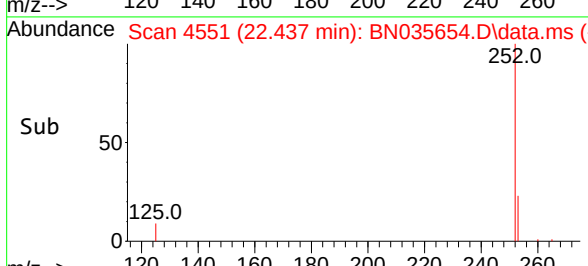
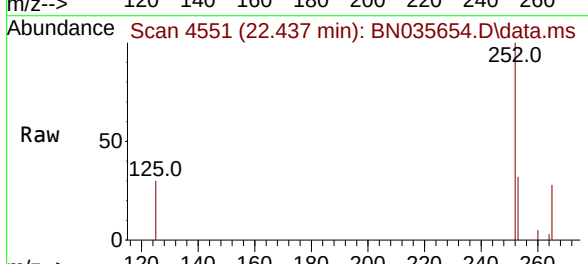
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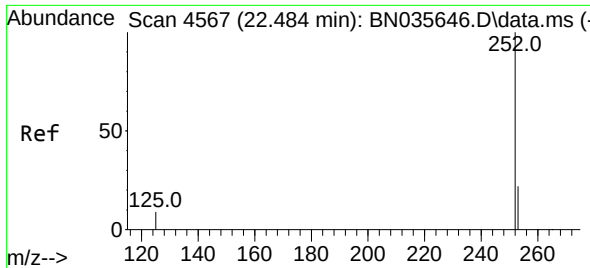


#24
Benzo(b)fluoranthene
 Concen: 0.451 ng/ul m
 RT: 22.437 min Scan# 4551
 Delta R.T. -0.005 min
 Lab File: BN035654.D
 Acq: 17 Dec 2024 14:48

Tgt Ion:252 Resp: 16054

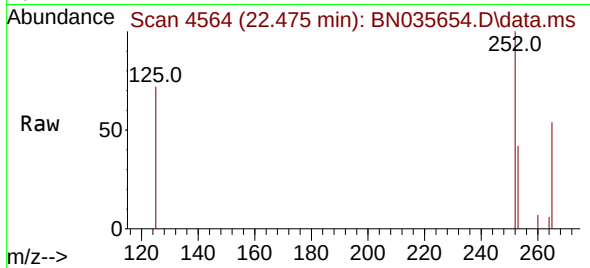
Ion	Ratio	Lower	Upper
252	100		
253	31.7	0.0	56.4
125	30.3	0.0	37.6





#25
Benzo(k)fluoranthene
Concen: 0.163 ng/ul m
RT: 22.475 min Scan# 4567
Delta R.T. -0.005 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

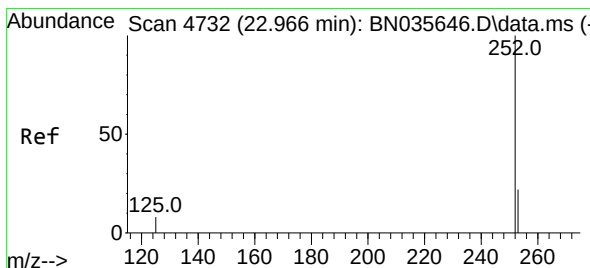
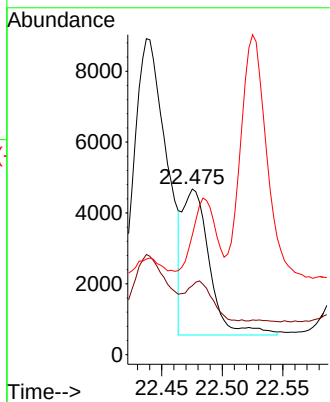
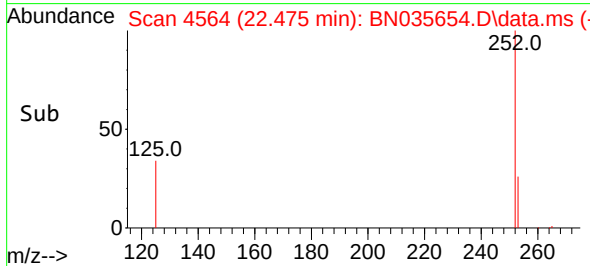
Instrument :
BNA_N
ClientSampleId :
E28S2DL



Tgt Ion:252 Resp: 642
Ion Ratio Lower Upper
252 100
253 41.6 22.1 33.1
125 72.2 15.3 22.9

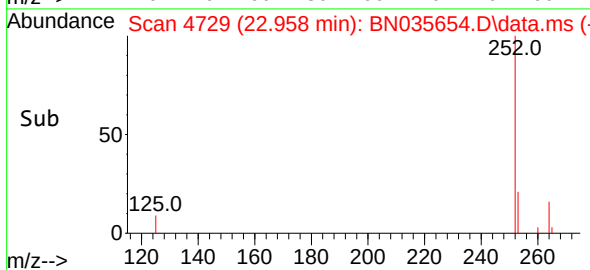
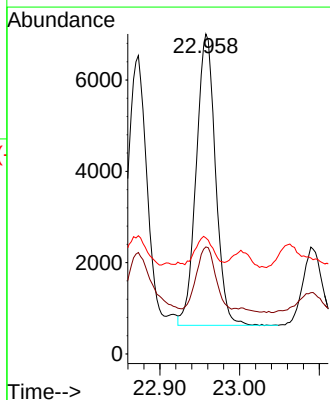
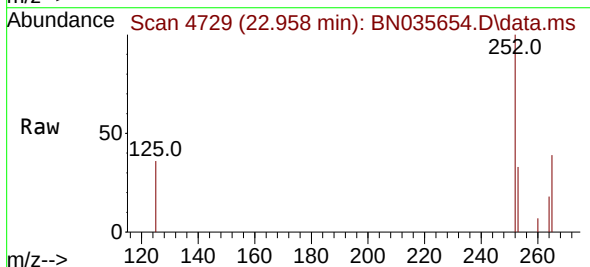
Manual Integrations
APPROVED

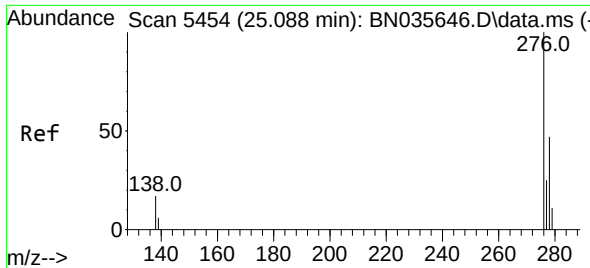
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#26
Benzo(a)pyrene
Concen: 0.310 ng/ul
RT: 22.958 min Scan# 4729
Delta R.T. -0.005 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

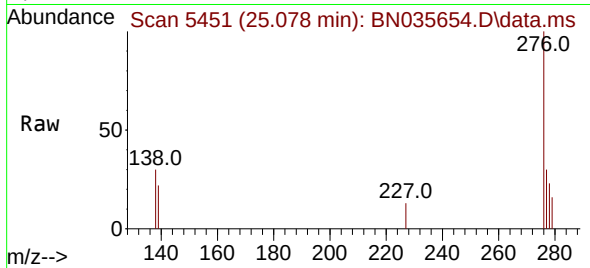
Tgt Ion:252 Resp: 10705
Ion Ratio Lower Upper
252 100
253 33.4 24.1 36.1
125 36.3 19.1 28.7





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.222 ng/ul m
RT: 25.078 min Scan# 5454
Delta R.T. -0.003 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

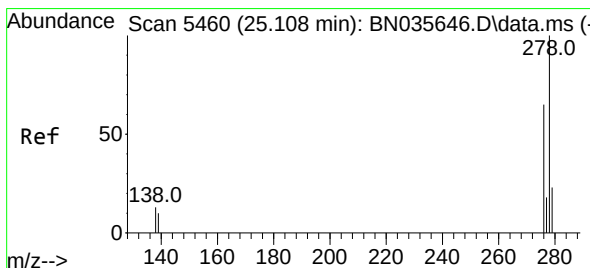
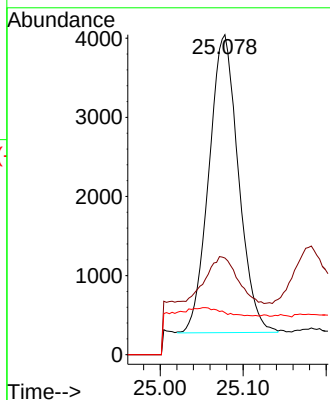
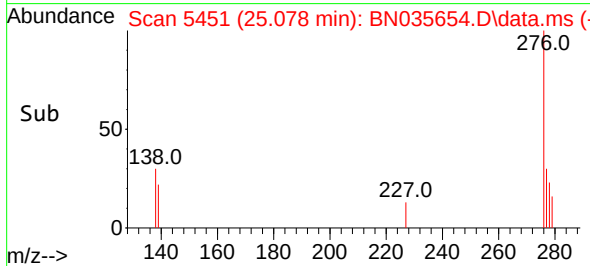
Instrument :
BNA_N
ClientSampleId :
E28S2DL



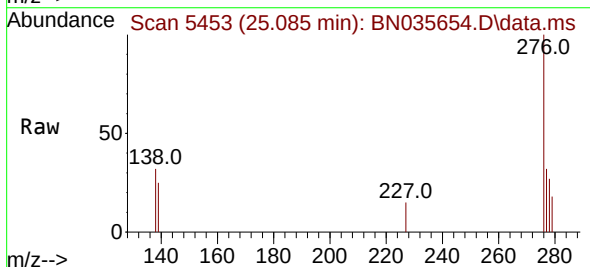
Tgt Ion:276 Resp: 9312
Ion Ratio Lower Upper
276 100
138 80.7 14.7 22.1#
227 0.0 21.6 32.4#

Manual Integrations
APPROVED

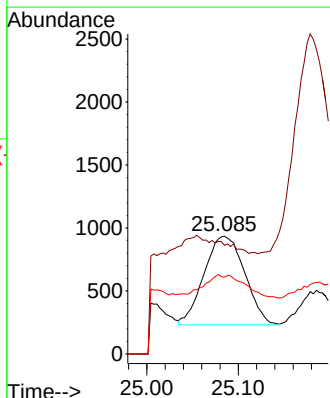
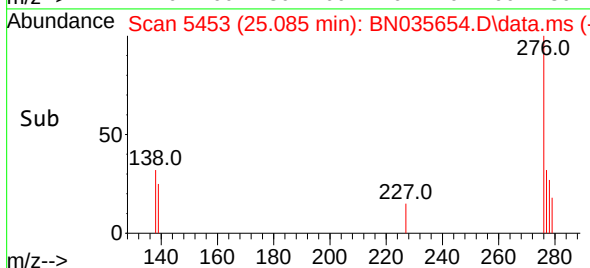
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

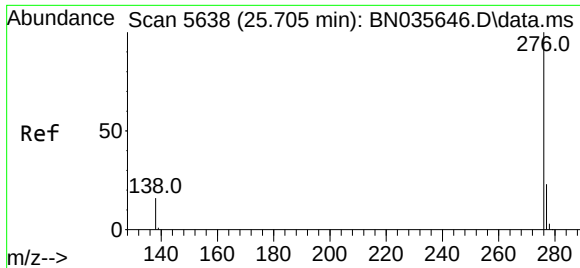


#28
Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul m
RT: 25.085 min Scan# 5453
Delta R.T. -0.016 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48



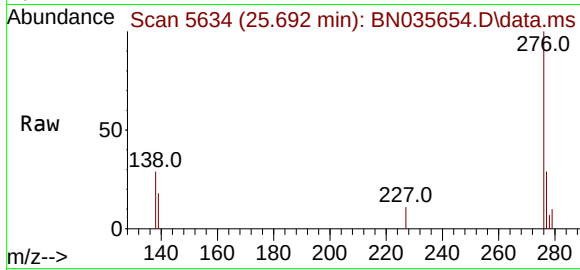
Tgt Ion:278 Resp: 2182
Ion Ratio Lower Upper
278 100
139 92.2 19.8 29.8#
279 65.2 24.0 36.0#





#29
Benzo(g,h,i)perylene
Concen: 0.327 ng/ul
RT: 25.692 min Scan# 50
Delta R.T. -0.006 min
Lab File: BN035654.D
Acq: 17 Dec 2024 14:48

Instrument :
BNA_N
ClientSampleId :
E28S2DL



Tgt Ion: 276 Resp: 11010

Ion	Ratio	Lower	Upper
276	100		
138	29.2	19.6	29.4
277	28.8	21.6	32.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

