

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035623.D
 Acq On : 16 Dec 2024 18:49
 Operator : RC/JU
 Sample : P5232-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S3

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 21:56:20 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	2274	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	6823	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	4792	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	10402	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	8287	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	8496m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	5247	2.602	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	1422	0.146	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	3391	0.140	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.075	128	2181m	0.130	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1777	0.158	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	1355	0.116	ng/ul	99
10) Acenaphthylene	13.657	152	1535	0.083	ng/ul#	87
11) Acenaphthene	14.009	153	397	0.028	ng/ul#	91
12) Fluorene	15.013	166	410	0.025	ng/ul#	80
14) Pentachlorophenol	16.384	266	60	0.023	ng/ul#	85
15) Phenanthrene	16.755	178	12212	0.469	ng/ul	100
16) Anthracene	16.844	178	2713	0.111	ng/ul#	91
19) Fluoranthene	18.795	202	33188	1.120	ng/ul	99
20) Pyrene	19.163	202	28772	0.881	ng/ul	98
21) Benzo(a)anthracene	20.941	228	14512	0.528	ng/ul	97
22) Chrysene	20.993	228	17417	0.611	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	25343m	1.012	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	9196m	0.332	ng/ul	
26) Benzo(a)pyrene	22.954	252	16769m	0.692	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.071	276	12908m	0.437	ng/ul	
28) Dibenzo(a,h)anthracene	25.077	278	2924m	0.130	ng/ul	
29) Benzo(g,h,i)perylene	25.685	276	14178	0.598	ng/ul	97

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

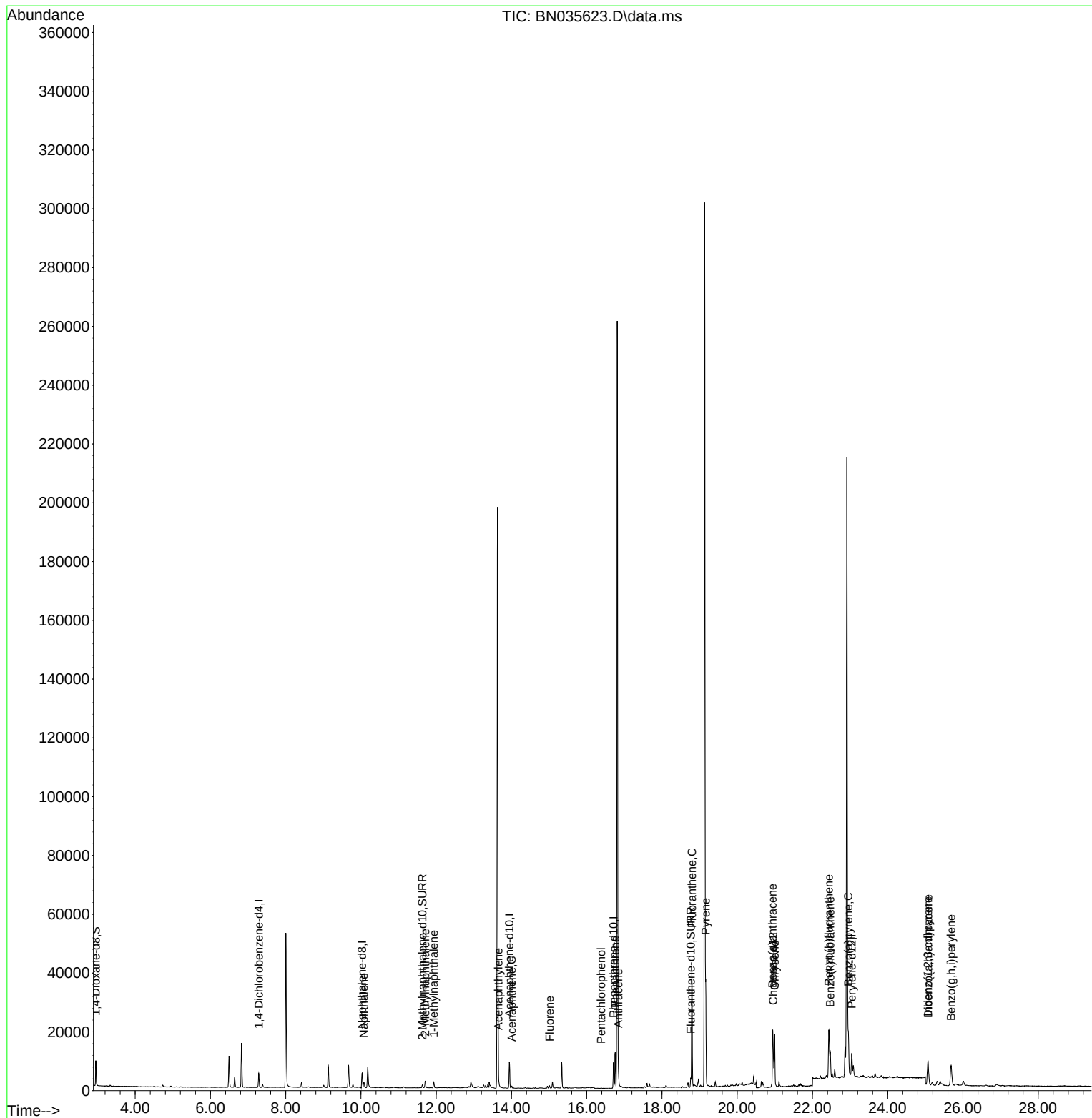
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
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ALS Vial : 12 Sample Multiplier: 1

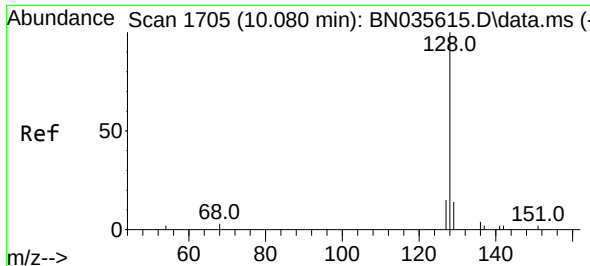
Instrument :
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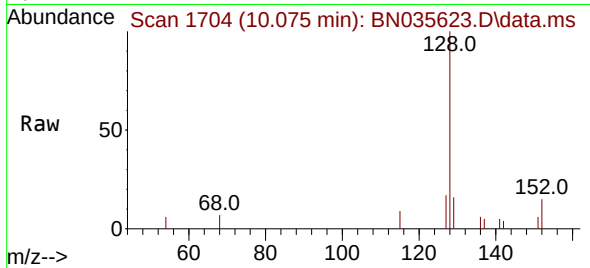
Quant Time: Dec 16 21:56:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.130 ng/ul m
RT: 10.075 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

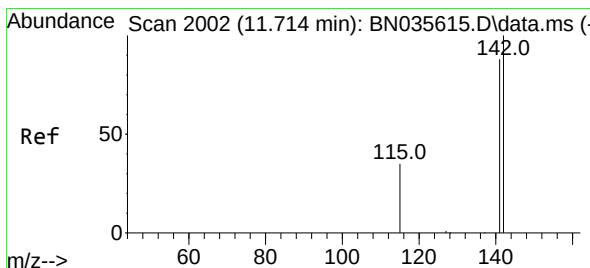
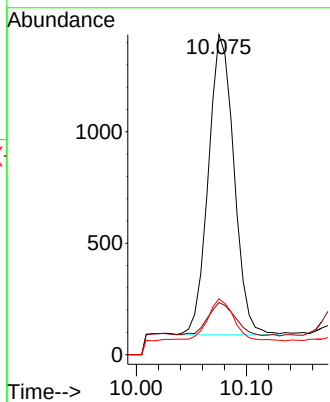
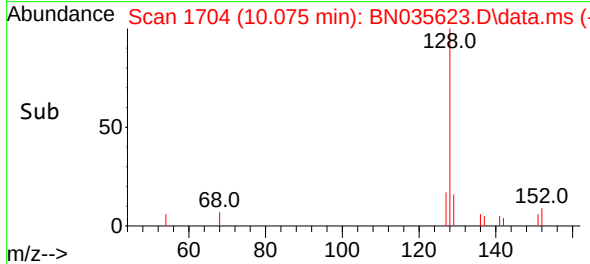
Instrument :
BNA_N
ClientSampleId :
E28S3



Tgt Ion:128 Resp: 218
Ion Ratio Lower Upper
128 100
129 16.3 10.8 16.2
127 17.5 12.0 18.0

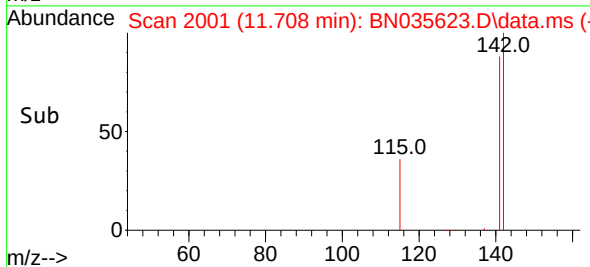
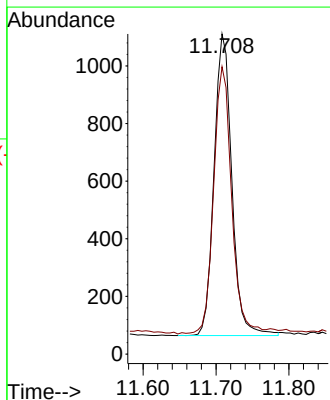
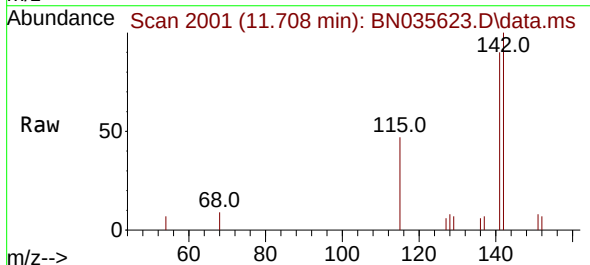
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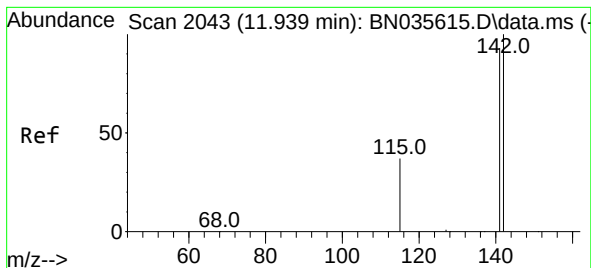
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.158 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

Tgt Ion:142 Resp: 1777
Ion Ratio Lower Upper
142 100
141 89.6 72.8 109.2





#8

1-Methylnaphthalene

Concen: 0.116 ng/ul

RT: 11.934 min Scan# 2043

Delta R.T. -0.005 min

Lab File: BN035623.D

Acq: 16 Dec 2024 18:49

Instrument :

BNA_N

ClientSampleId :

E28S3

Tgt Ion:142 Resp: 135

Ion Ratio Lower Upper

142 100

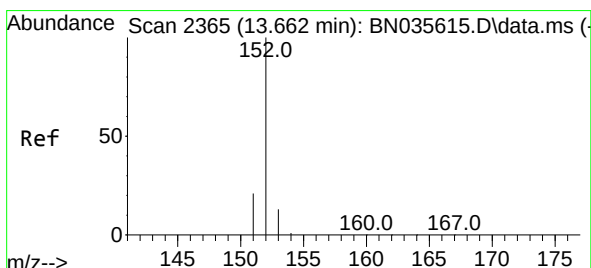
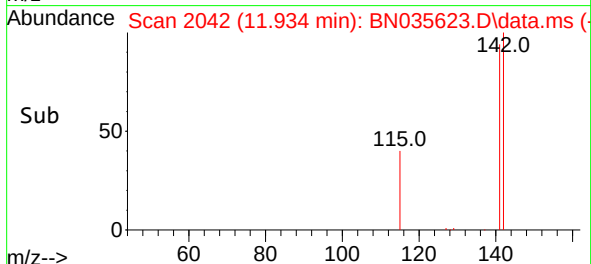
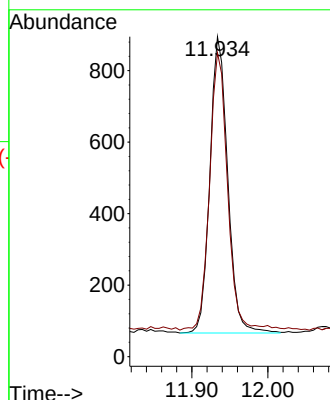
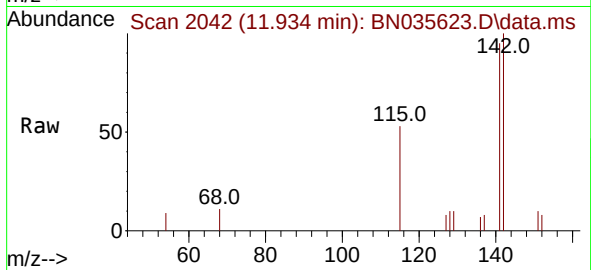
141 94.2 74.7 112.1

Manual Integrations

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#10

Acenaphthylene

Concen: 0.083 ng/ul

RT: 13.657 min Scan# 2364

Delta R.T. -0.005 min

Lab File: BN035623.D

Acq: 16 Dec 2024 18:49

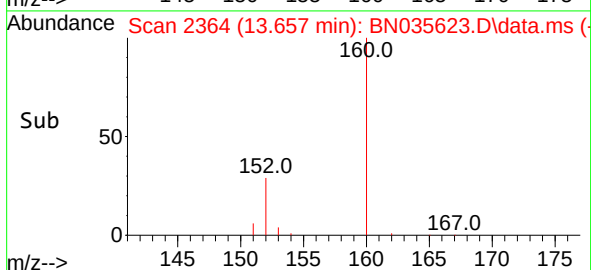
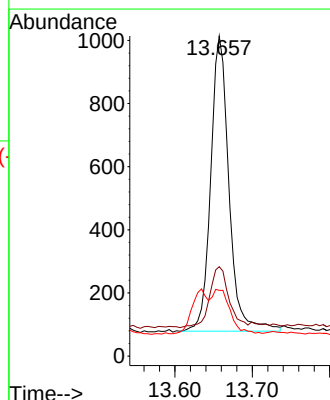
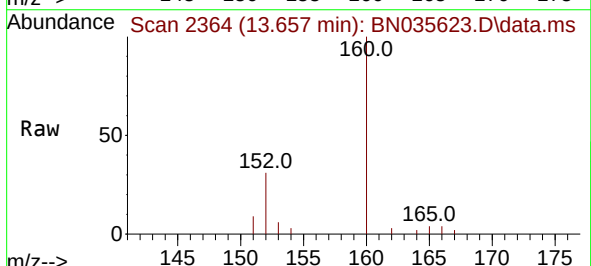
Tgt Ion:152 Resp: 1535

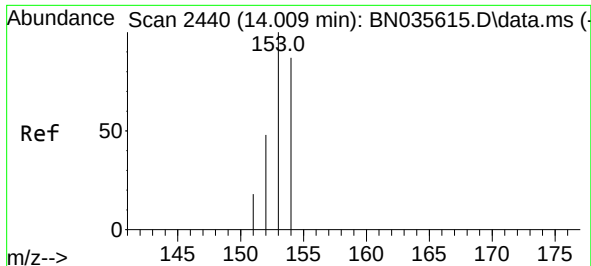
Ion Ratio Lower Upper

152 100

151 27.9 17.6 26.4#

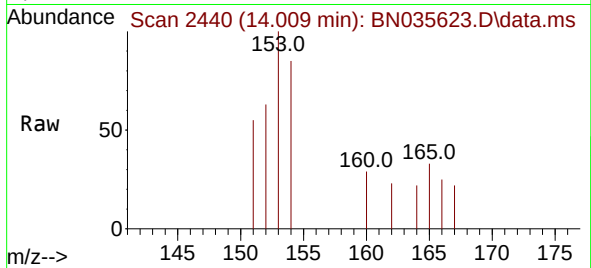
153 20.5 11.4 17.2#





#11
Acenaphthene
Concen: 0.028 ng/u1
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

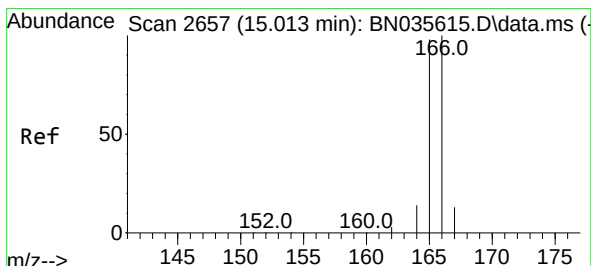
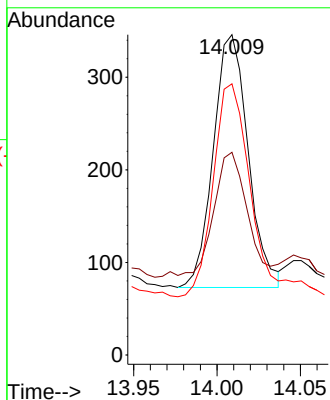
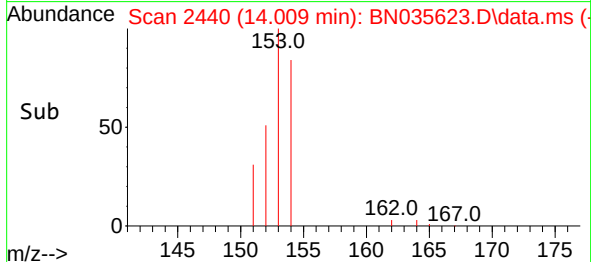
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:153 Resp: 397
Ion Ratio Lower Upper
153 100
152 63.3 39.8 59.6
154 84.7 69.8 104.8

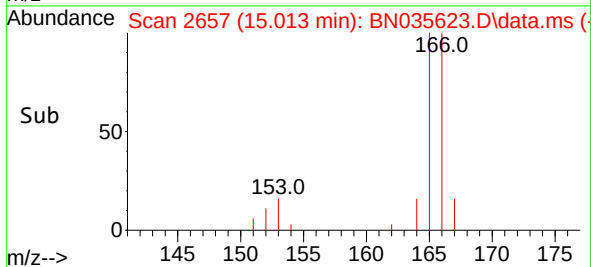
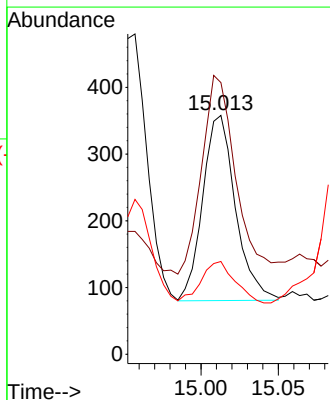
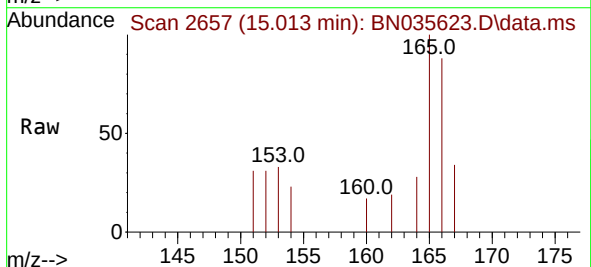
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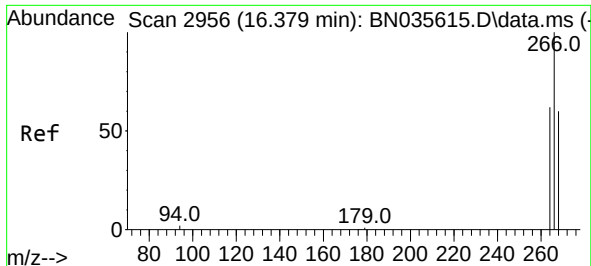
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#12
Fluorene
Concen: 0.025 ng/u1
RT: 15.013 min Scan# 2657
Delta R.T. 0.000 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

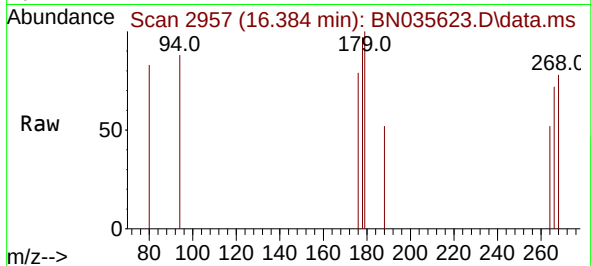
Tgt Ion:166 Resp: 410
Ion Ratio Lower Upper
166 100
165 113.7 79.5 119.3
167 38.8 11.8 17.8#





#14
Pentachlorophenol
Concen: 0.023 ng/uI
RT: 16.384 min Scan# 2956
Delta R.T. 0.004 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

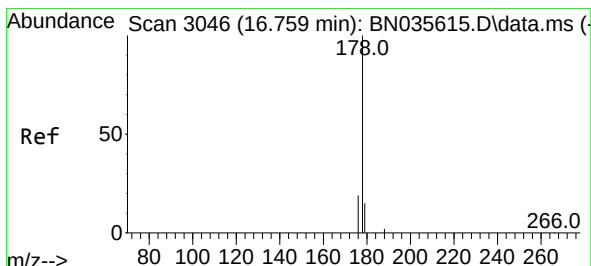
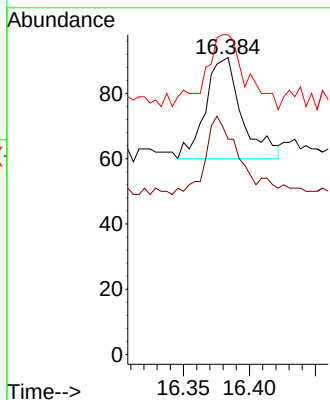
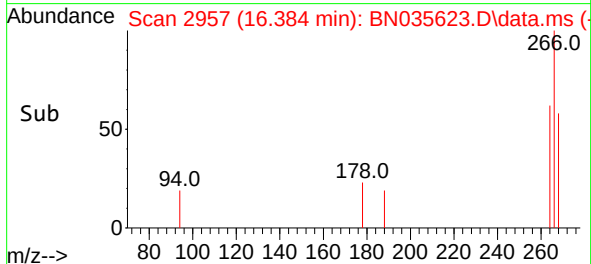
Instrument :
BNA_N
ClientSampleId :
E28S3



Tgt Ion:266 Resp: 60
Ion Ratio Lower Upper
266 100
264 76.7 49.9 74.9
268 75.0 52.8 79.2

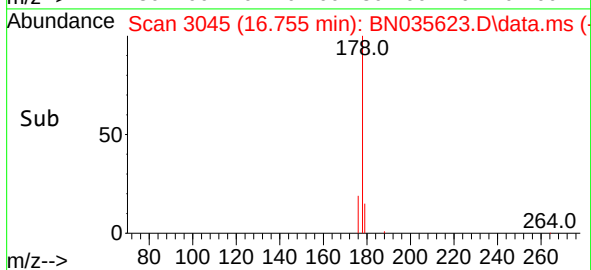
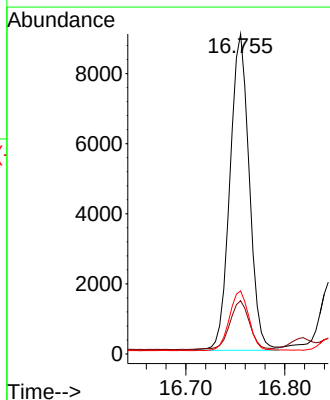
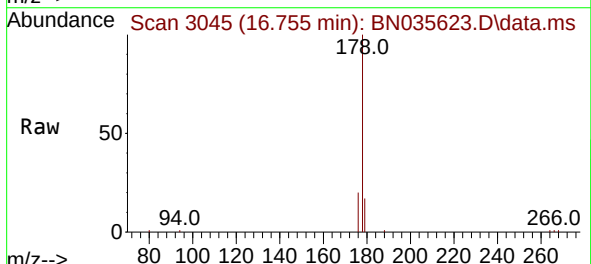
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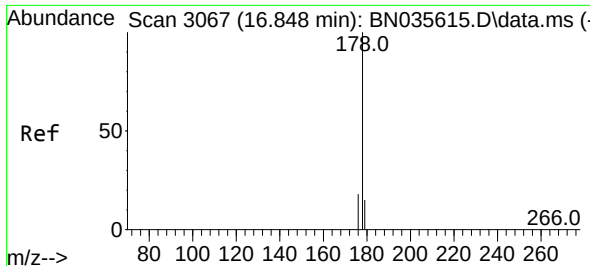
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#15
Phenanthrene
Concen: 0.469 ng/uI
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

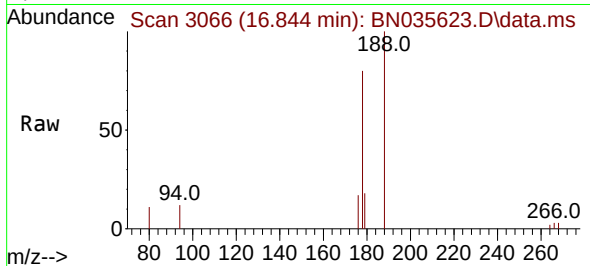
Tgt Ion:178 Resp: 12212
Ion Ratio Lower Upper
178 100
179 16.7 13.3 19.9
176 19.7 15.8 23.8





#16
 Anthracene
 Concen: 0.111 ng/ul
 RT: 16.844 min Scan# 3067
 Delta R.T. -0.004 min
 Lab File: BN035623.D
 Acq: 16 Dec 2024 18:49

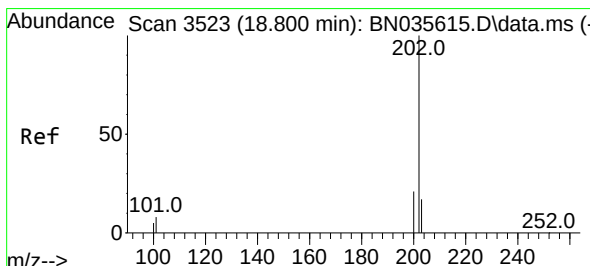
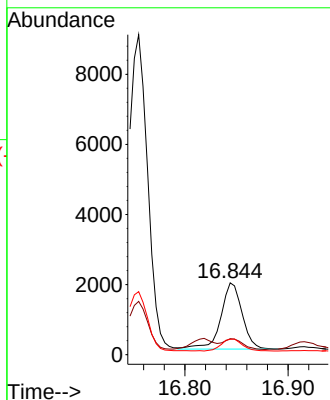
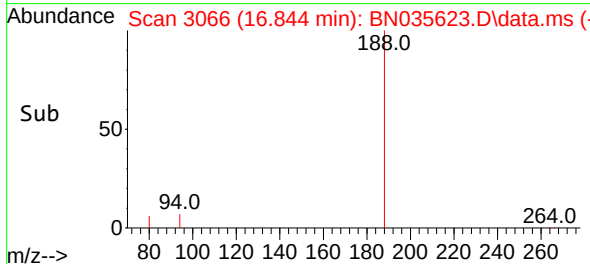
Instrument :
 BNA_N
 ClientSampleId :
 E28S3



Tgt Ion:	178	Resp:	271
Ion Ratio	Lower	Upper	
178	100		
179	22.2	13.4	20.0
176	21.5	15.4	23.0

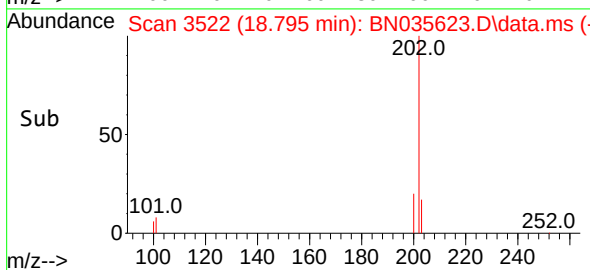
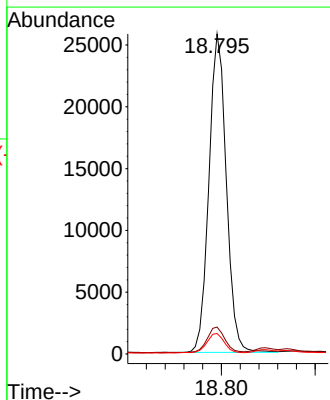
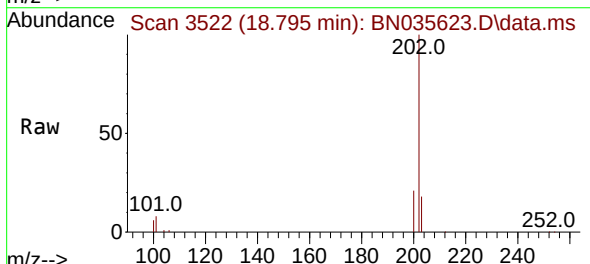
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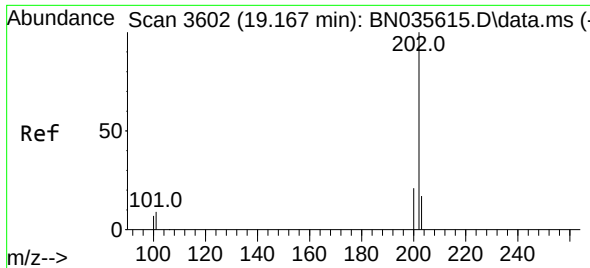
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024



#19
 Fluoranthene
 Concen: 1.120 ng/ul
 RT: 18.795 min Scan# 3522
 Delta R.T. -0.005 min
 Lab File: BN035623.D
 Acq: 16 Dec 2024 18:49

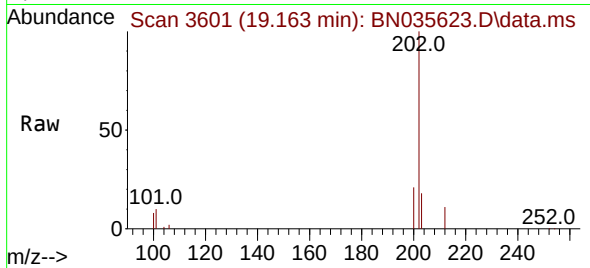
Tgt Ion:	202	Resp:	33188
Ion Ratio	Lower	Upper	
202	100		
101	8.4	7.3	10.9
100	6.4	5.4	8.0





#20
Pyrene
Concen: 0.881 ng/ul
RT: 19.163 min Scan# 30
Delta R.T. -0.005 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

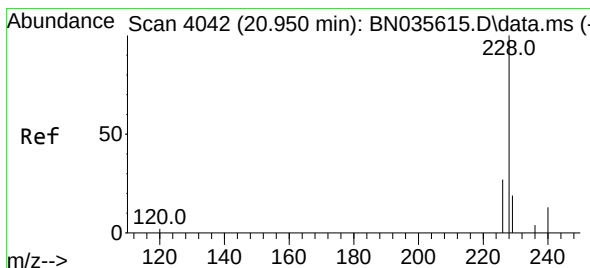
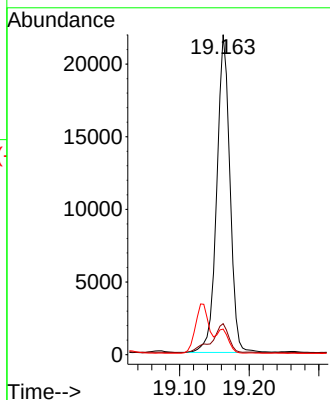
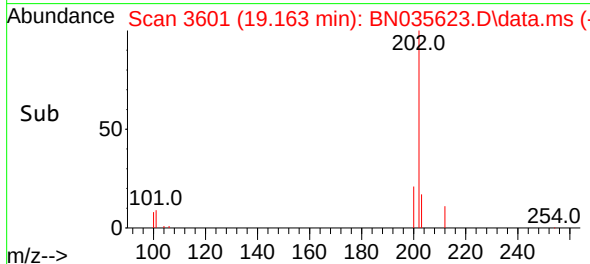
Instrument :
BNA_N
ClientSampleId :
E28S3



Tgt Ion:202 Resp: 2877
Ion Ratio Lower Upper
202 100
101 9.7 8.5 12.7
100 8.0 6.5 9.7

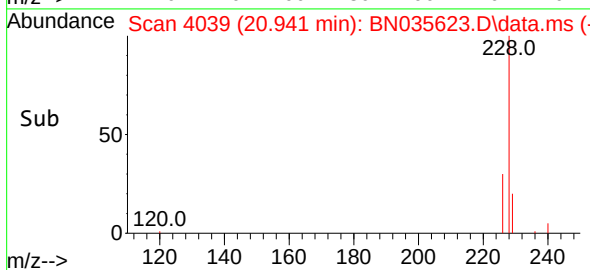
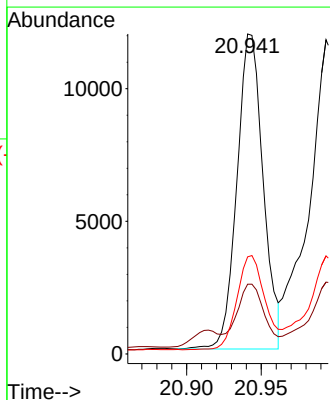
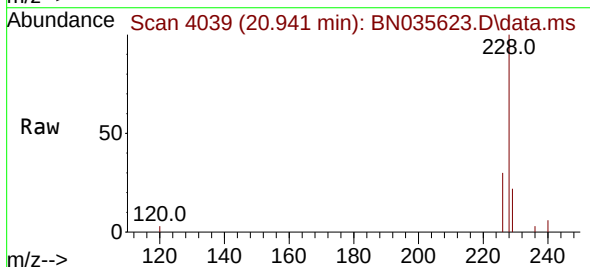
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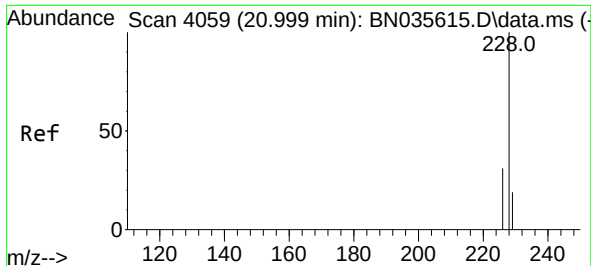
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#21
Benzo(a)anthracene
Concen: 0.528 ng/ul
RT: 20.941 min Scan# 4039
Delta R.T. -0.009 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

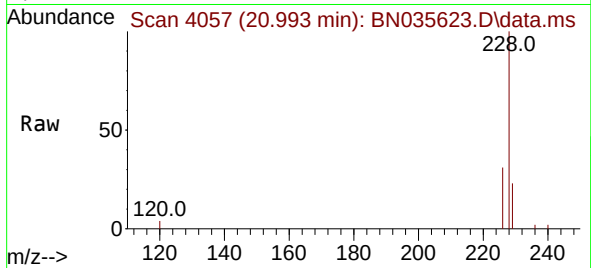
Tgt Ion:228 Resp: 14512
Ion Ratio Lower Upper
228 100
229 21.8 16.6 25.0
226 30.4 22.5 33.7





#22
Chrysene
Concen: 0.611 ng/ul
RT: 20.993 min Scan# 4059
Delta R.T. -0.006 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

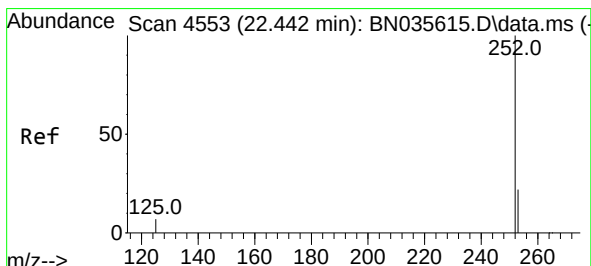
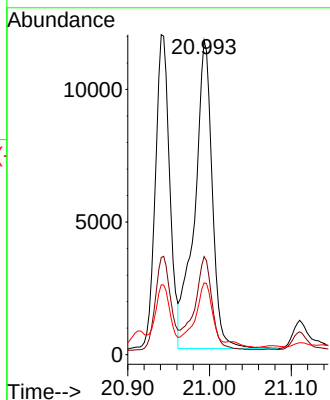
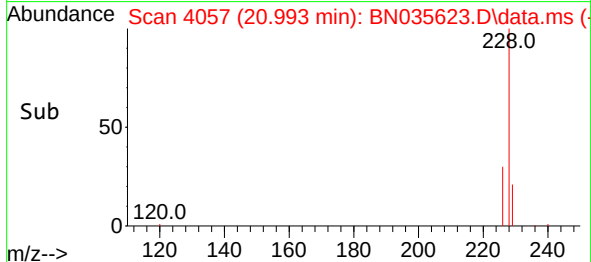
Instrument :
BNA_N
ClientSampleId :
E28S3



Tgt Ion:228 Resp: 17417
Ion Ratio Lower Upper
228 100
226 31.2 25.1 37.7
229 22.9 16.6 24.8

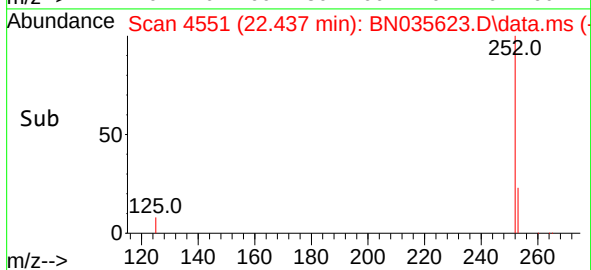
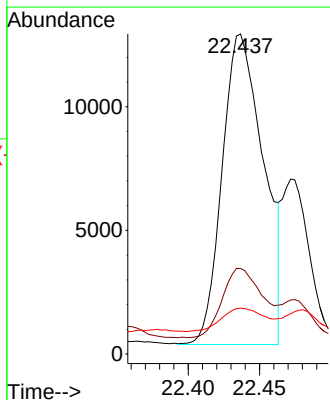
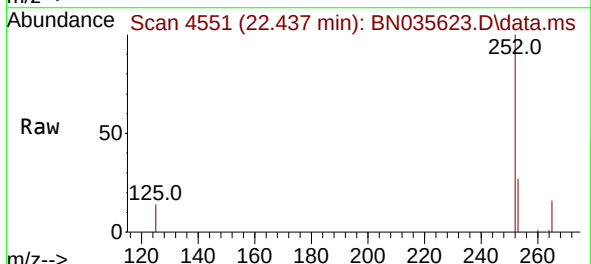
Manual Integrations
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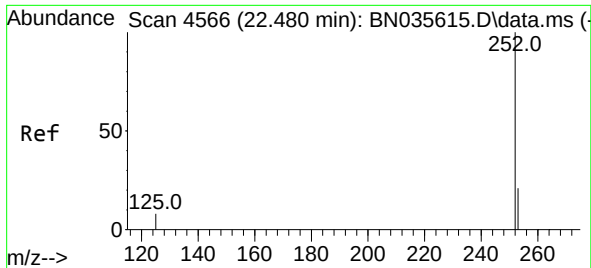
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#24
Benzo(b)fluoranthene
Concen: 1.012 ng/ul m
RT: 22.437 min Scan# 4551
Delta R.T. -0.006 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

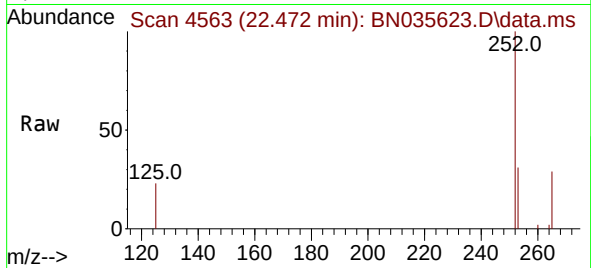
Tgt Ion:252 Resp: 25343
Ion Ratio Lower Upper
252 100
253 26.7 0.0 56.4
125 14.3 0.0 37.6





#25
Benzo(k)fluoranthene
Concen: 0.332 ng/ul m
RT: 22.472 min Scan# 4566
Delta R.T. -0.009 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

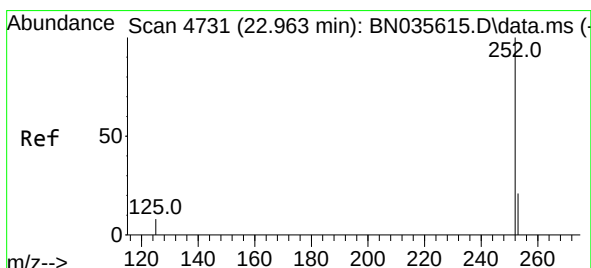
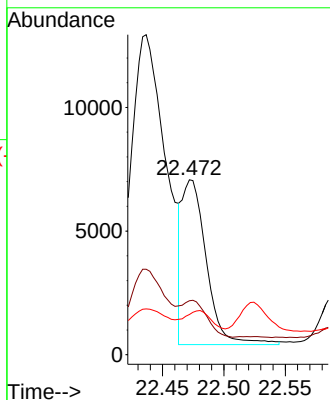
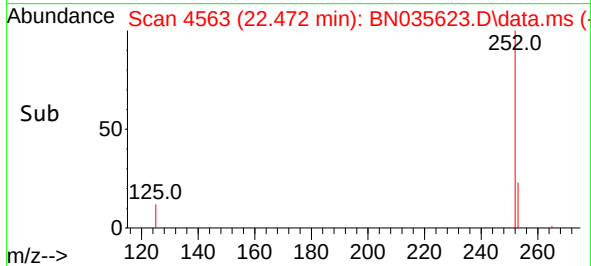
Instrument :
BNA_N
ClientSampleId :
E28S3



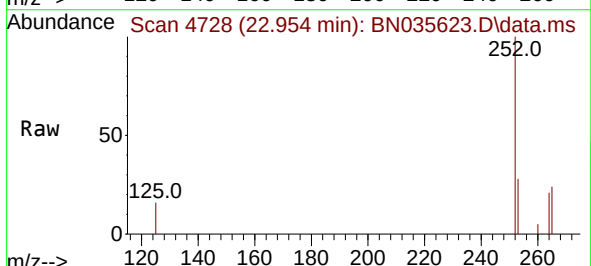
Tgt Ion:252 Resp: 9190
Ion Ratio Lower Upper
252 100
253 30.8 22.1 33.1
125 23.0 15.3 22.9

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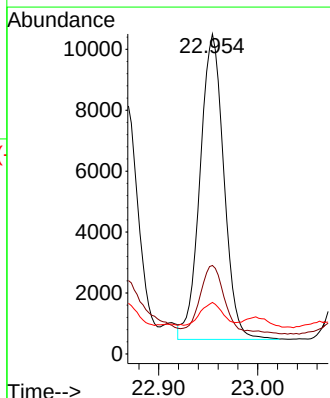
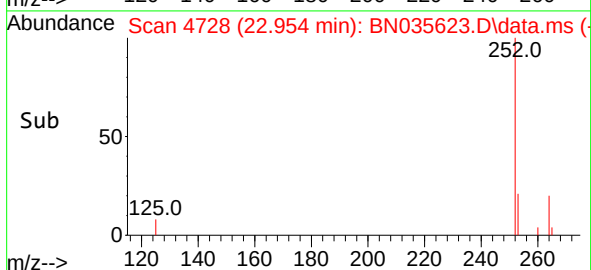
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

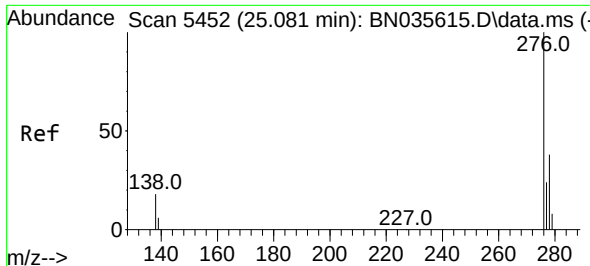


#26
Benzo(a)pyrene
Concen: 0.692 ng/ul m
RT: 22.954 min Scan# 4728
Delta R.T. -0.009 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49



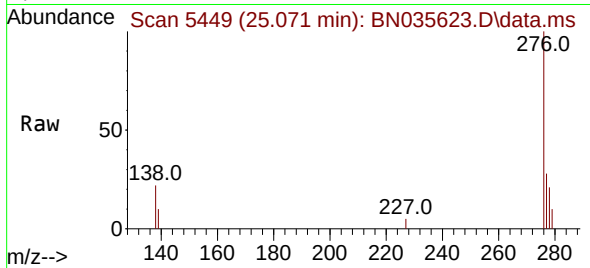
Tgt Ion:252 Resp: 16769
Ion Ratio Lower Upper
252 100
253 27.6 24.1 36.1
125 16.1 19.1 28.7





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng/ul m
RT: 25.071 min Scan# 5449
Delta R.T. -0.010 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49

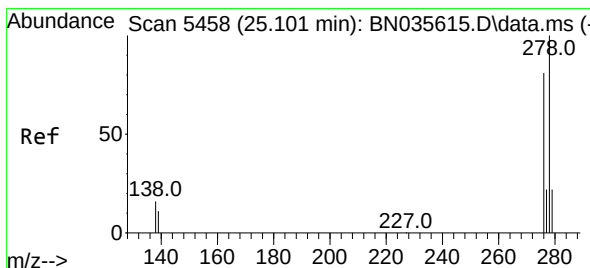
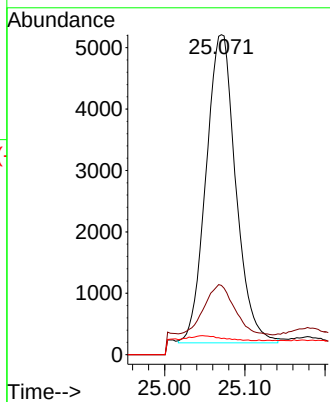
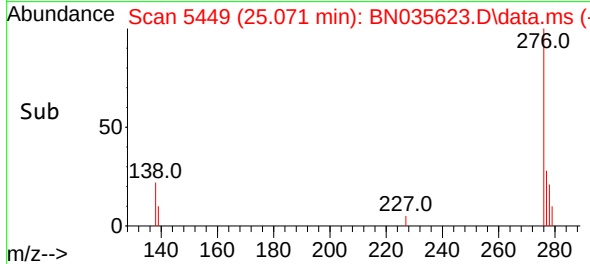
Instrument :
BNA_N
ClientSampleId :
E28S3



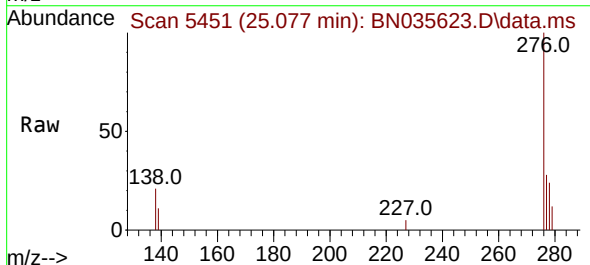
Tgt Ion:276 Resp: 12908
Ion Ratio Lower Upper
276 100
138 19.6 14.7 22.1
227 0.0 21.6 32.4

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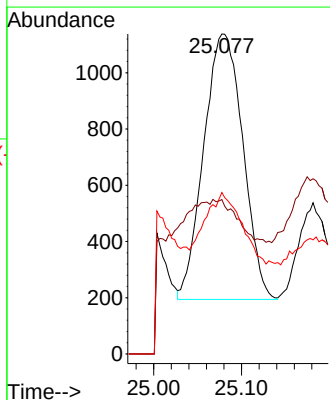
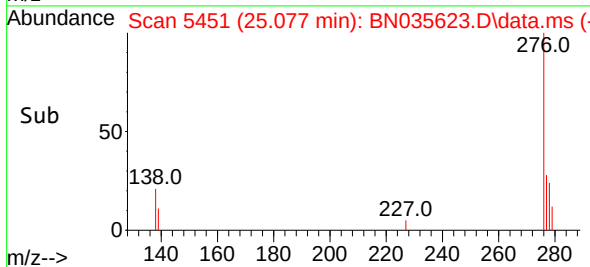
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

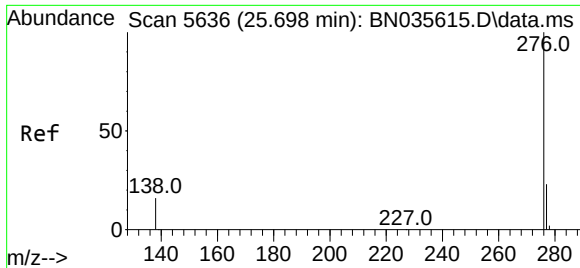


#28
Dibenzo(a,h)anthracene
Concen: 0.130 ng/ul m
RT: 25.077 min Scan# 5451
Delta R.T. -0.023 min
Lab File: BN035623.D
Acq: 16 Dec 2024 18:49



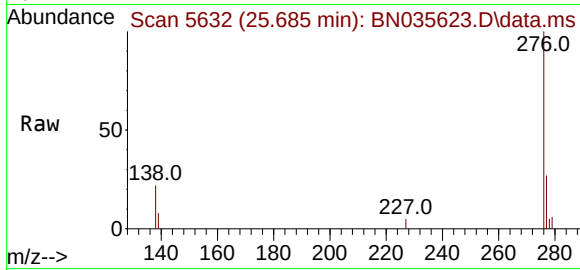
Tgt Ion:278 Resp: 2924
Ion Ratio Lower Upper
278 100
139 48.2 19.8 29.8#
279 50.4 24.0 36.0#





#29
 Benzo(g,h,i)perylene
 Concen: 0.598 ng/ul
 RT: 25.685 min Scan# 50
 Delta R.T. -0.013 min
 Lab File: BN035623.D
 Acq: 16 Dec 2024 18:49

Instrument :
 BNA_N
 ClientSampleId :
 E28S3



Tgt Ion: 276 Resp: 14178

Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	26.7	21.6	32.4

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

