

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035602.D
 Acq On : 13 Dec 2024 18:19
 Operator : RC/JU
 Sample : P5153-16DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q3DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 21:06:26 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	1684	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.037	136	6054	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.953	164	3891	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.722	188	7611	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.970	240	6575	0.400	ng/ul	# 0.00
23) Perylene-d12	23.068	264	5891	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	1186	0.771	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	380	0.043	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	965	0.053	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.086	128	4701	0.308	ng/ul	95
7) 2-Methylnaphthalene	11.714	142	7203	0.681	ng/ul	97
8) 1-Methylnaphthalene	11.945	142	2209	0.207	ng/ul	96
10) Acenaphthylene	13.667	152	1410	0.091	ng/ul#	50
12) Fluorene	15.018	166	1188	0.086	ng/ul#	86
14) Pentachlorophenol	16.384	266	242	0.137	ng/ul#	79
15) Phenanthrene	16.764	178	15327	0.762	ng/ul#	89
16) Anthracene	16.852	178	7996	0.428	ng/ul#	76
19) Fluoranthene	18.805	202	12418	0.542	ng/ul#	88
20) Pyrene	19.172	202	14323	0.601	ng/ul#	87
21) Benzo(a)anthracene	20.956	228	7830	0.343	ng/ul#	51
22) Chrysene	21.005	228	13805	0.601	ng/ul#	63
24) Benzo(b)fluoranthene	22.454	252	15226m	0.782	ng/ul	
25) Benzo(k)fluoranthene	22.492	252	4745m	0.236	ng/ul	
26) Benzo(a)pyrene	22.978	252	6883	0.387	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.111	276	7418m	0.309	ng/ul	
28) Dibenzo(a,h)anthracene	25.125	278	2251m	0.119	ng/ul	
29) Benzo(g,h,i)perylene	25.728	276	10358	0.547	ng/ul#	35

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

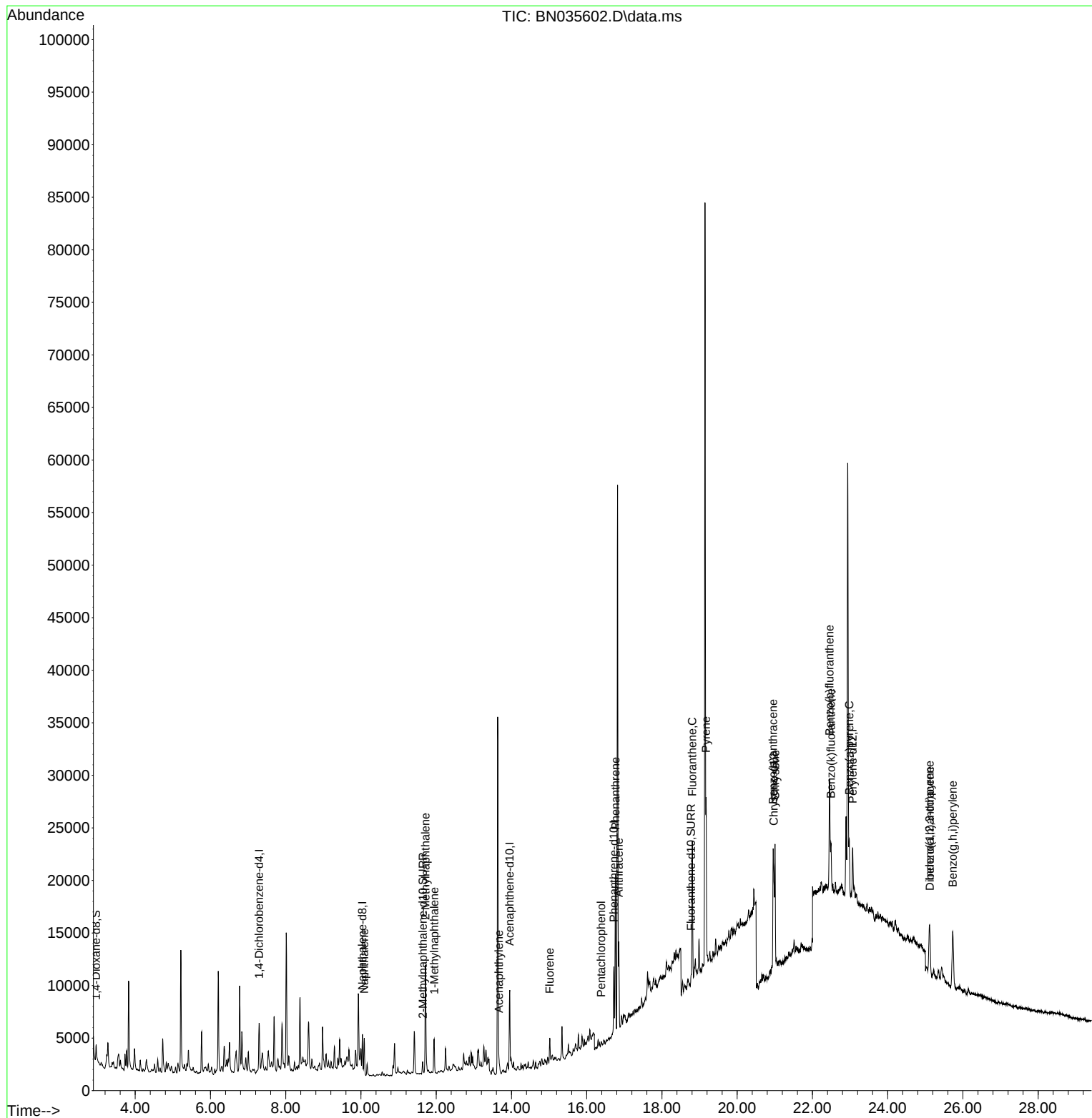
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035602.D
Acq On : 13 Dec 2024 18:19
Operator : RC/JU
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ALS Vial : 14 Sample Multiplier: 1

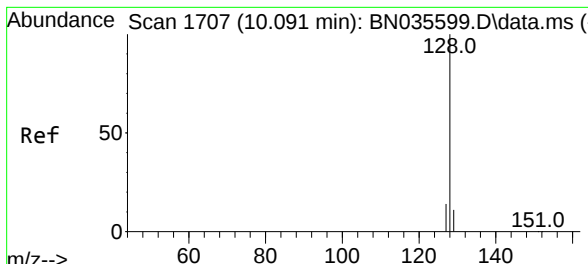
Instrument :
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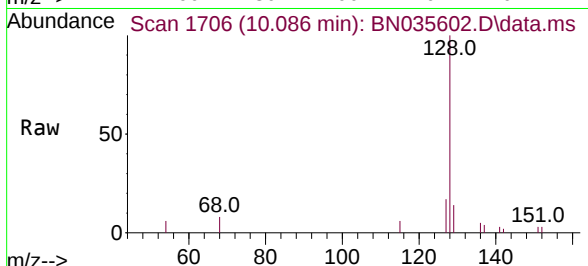
Quant Time: Dec 13 21:06:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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#5
Naphthalene
Concen: 0.308 ng/ul
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

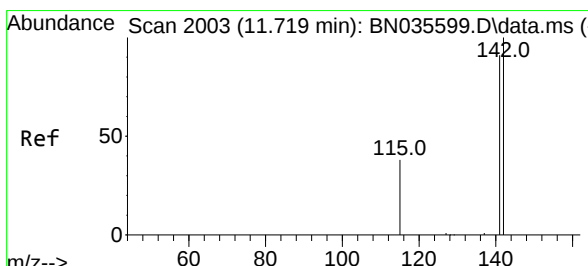
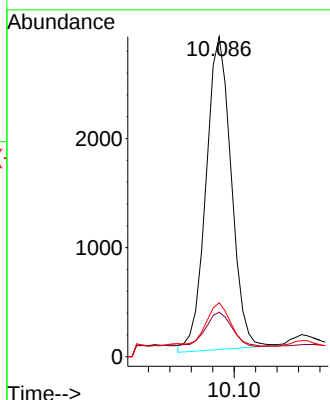
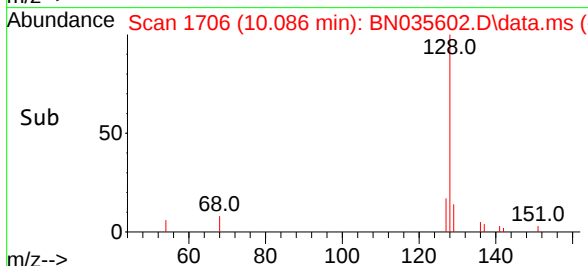
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



Tgt Ion:128 Resp: 470
Ion Ratio Lower Upper
128 100
129 13.9 9.9 14.9
127 16.9 11.4 17.2

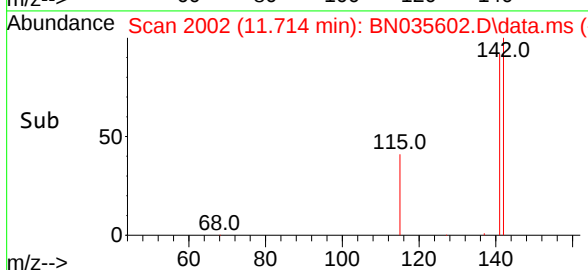
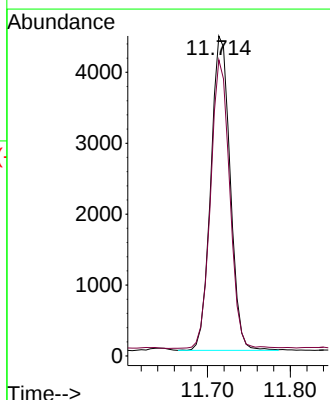
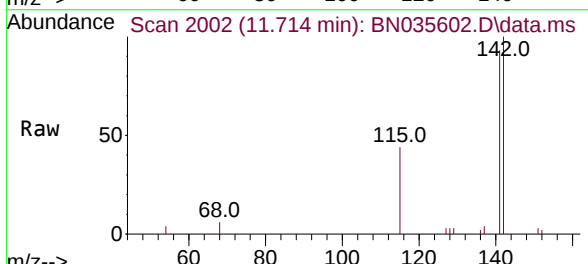
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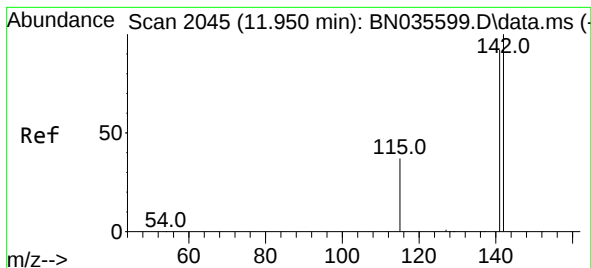
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#7
2-Methylnaphthalene
Concen: 0.681 ng/ul
RT: 11.714 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

Tgt Ion:142 Resp: 7203
Ion Ratio Lower Upper
142 100
141 90.4 70.4 105.6





#8

1-Methylnaphthalene

Concen: 0.207 ng/ul

RT: 11.945 min Scan# 2044

Delta R.T. 0.000 min

Lab File: BN035602.D

Acq: 13 Dec 2024 18:19

Instrument :

BNA_N

ClientSampleId :

E28Q3DL

Tgt Ion:142 Resp: 2209

Ion Ratio Lower Upper

142 100

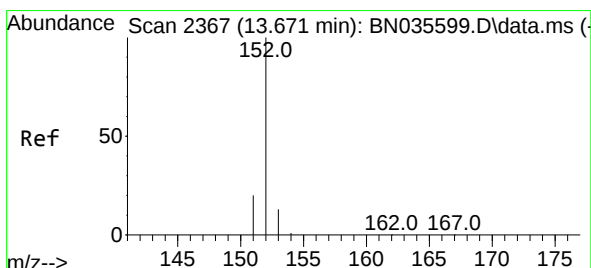
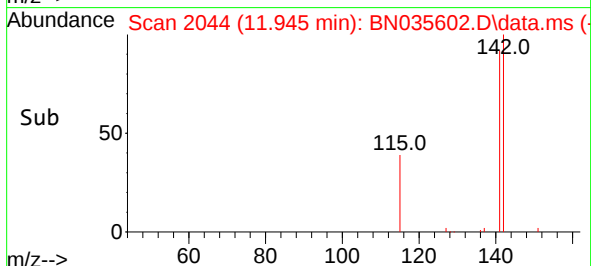
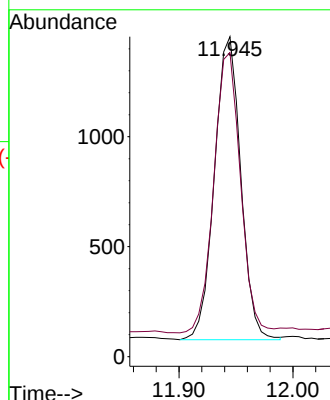
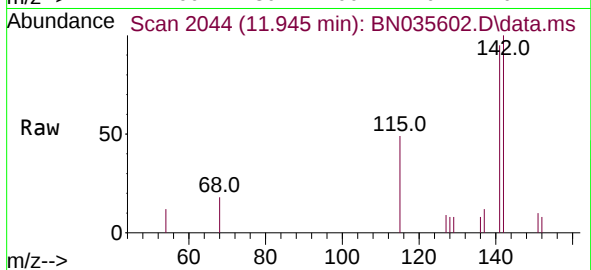
141 95.5 73.1 109.7

Manual Integrations

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#10

Acenaphthylene

Concen: 0.091 ng/ul

RT: 13.667 min Scan# 2366

Delta R.T. 0.005 min

Lab File: BN035602.D

Acq: 13 Dec 2024 18:19

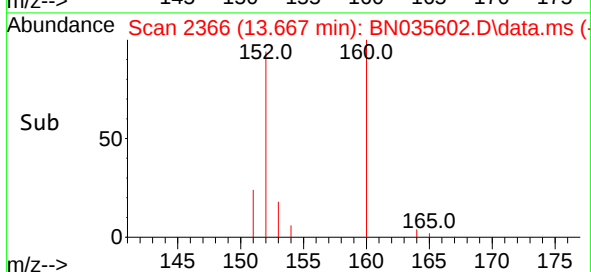
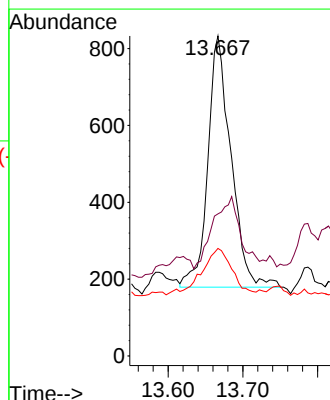
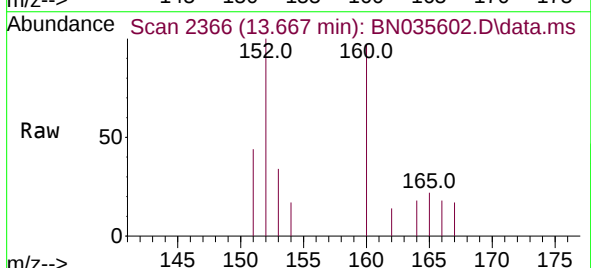
Tgt Ion:152 Resp: 1410

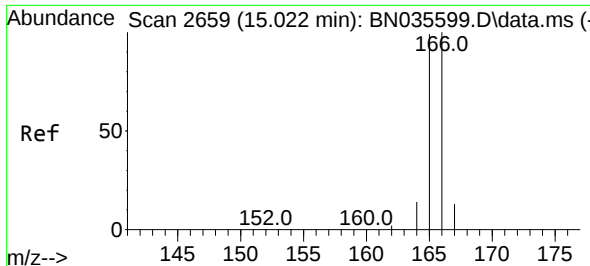
Ion Ratio Lower Upper

152 100

151 44.4 16.4 24.6#

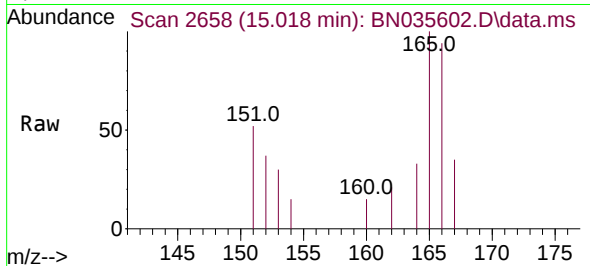
153 33.6 11.1 16.7#





#12
Fluorene
Concen: 0.086 ng/ul
RT: 15.018 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

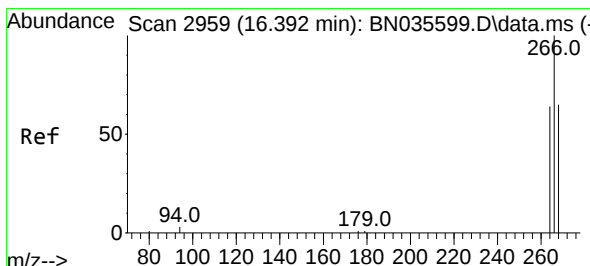
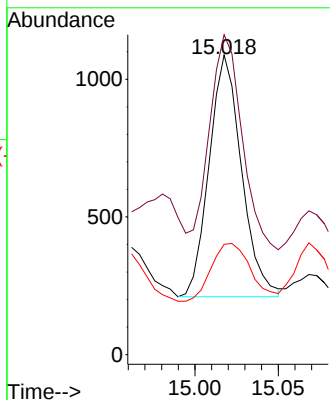
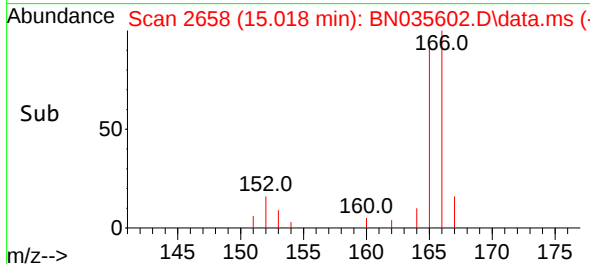
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



Tgt Ion:166 Resp: 118
Ion Ratio Lower Upper
166 100
165 106.8 78.6 118.0
167 36.9 11.8 17.6

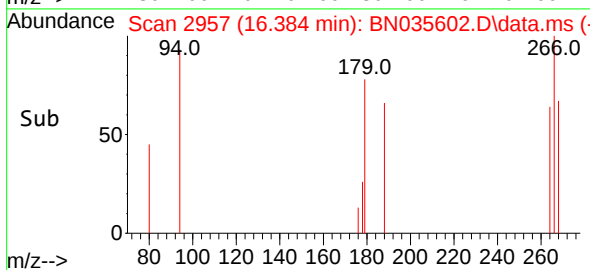
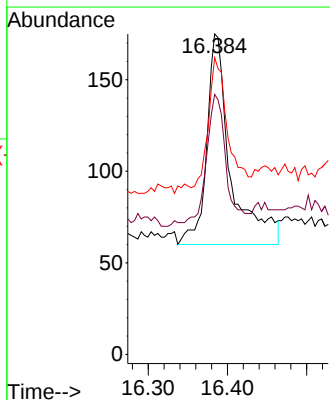
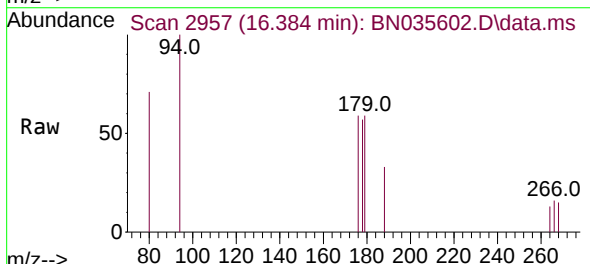
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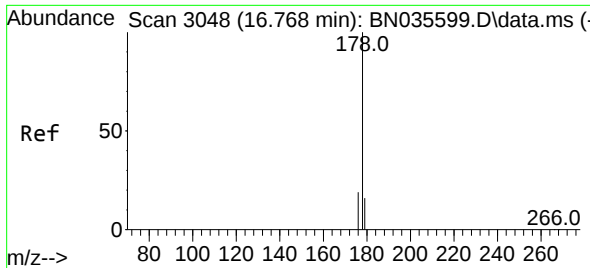
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#14
Pentachlorophenol
Concen: 0.137 ng/ul
RT: 16.384 min Scan# 2957
Delta R.T. 0.004 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

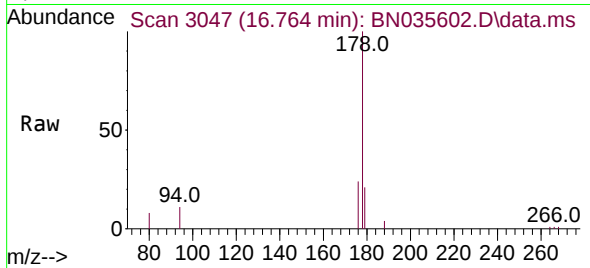
Tgt Ion:266 Resp: 242
Ion Ratio Lower Upper
266 100
264 47.5 51.8 77.6#
268 48.8 51.3 76.9#





#15
Phenanthrene
Concen: 0.762 ng/u1
RT: 16.764 min Scan# 3047
Delta R.T. 0.004 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

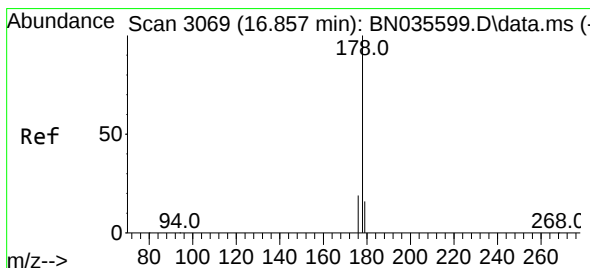
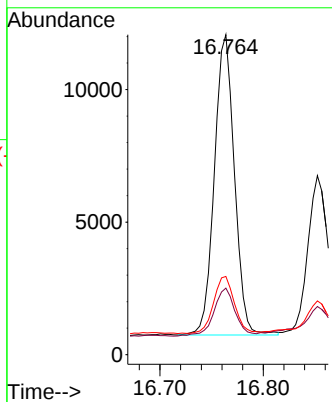
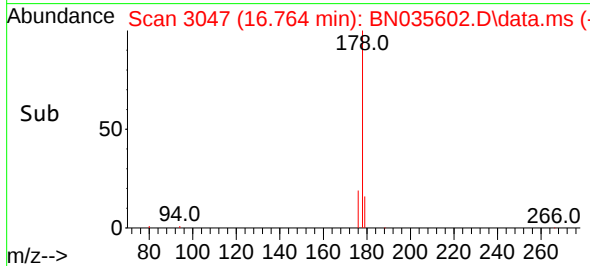
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



Tgt Ion:178 Resp: 15327
Ion Ratio Lower Upper
178 100
179 20.8 12.9 19.3#
176 24.4 15.6 23.4#

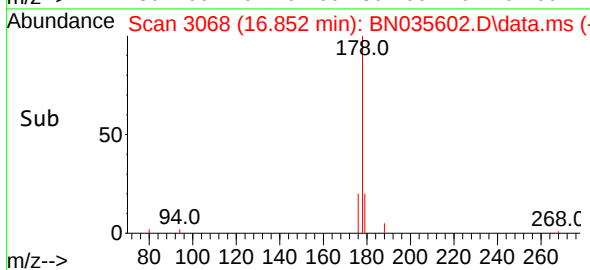
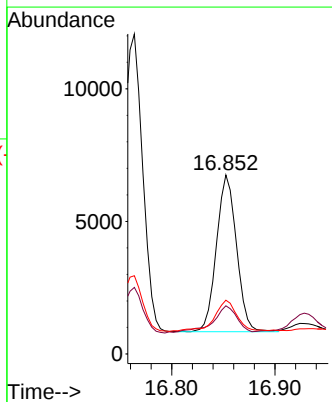
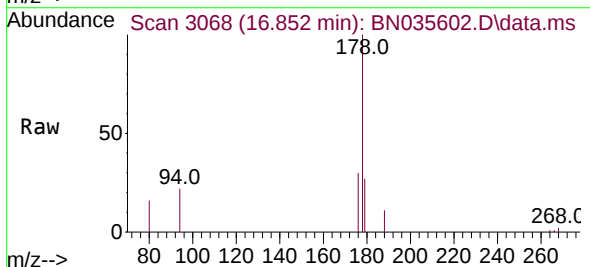
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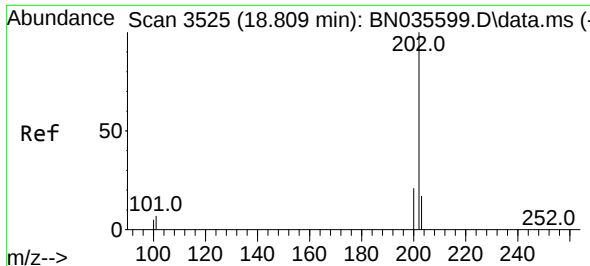
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#16
Anthracene
Concen: 0.428 ng/u1
RT: 16.852 min Scan# 3068
Delta R.T. 0.004 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

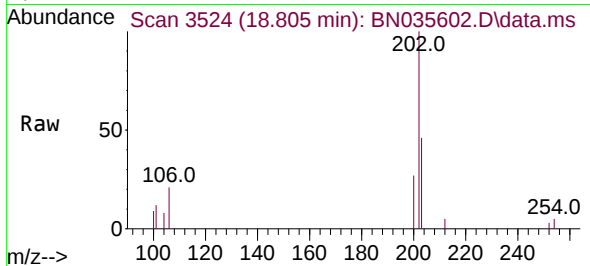
Tgt Ion:178 Resp: 7996
Ion Ratio Lower Upper
178 100
179 26.9 12.9 19.3#
176 30.0 15.4 23.2#





#19
Fluoranthene
Concen: 0.542 ng/u1
RT: 18.805 min Scan# 3525
Delta R.T. 0.005 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

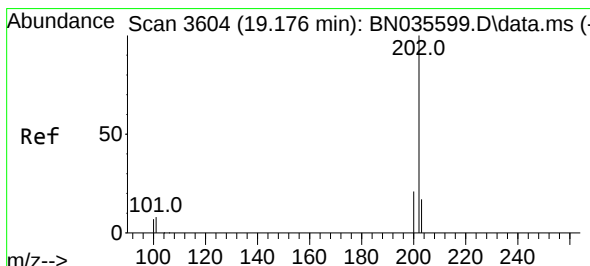
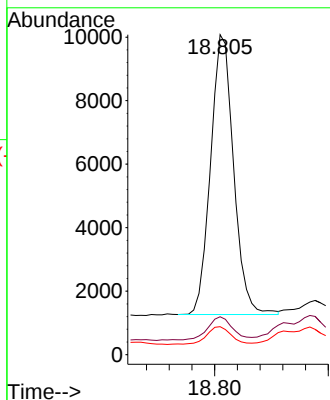
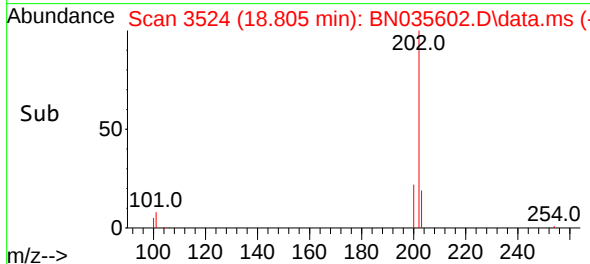
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



Tgt Ion:202 Resp: 12418
Ion Ratio Lower Upper
202 100
101 11.9 5.8 8.6#
100 8.8 4.5 6.7#

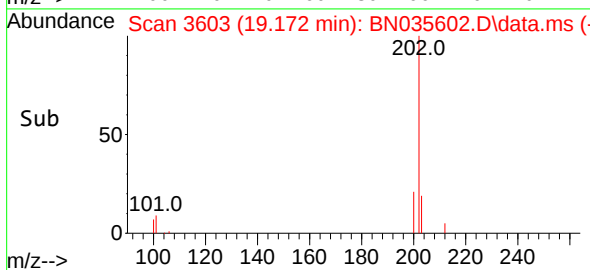
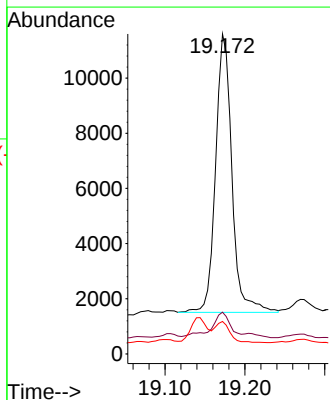
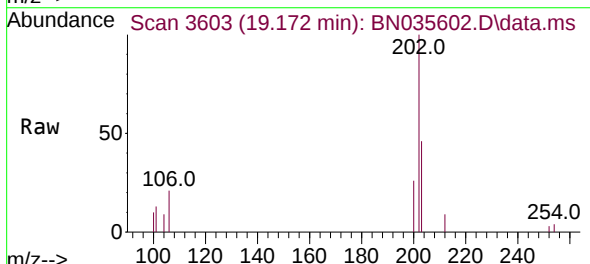
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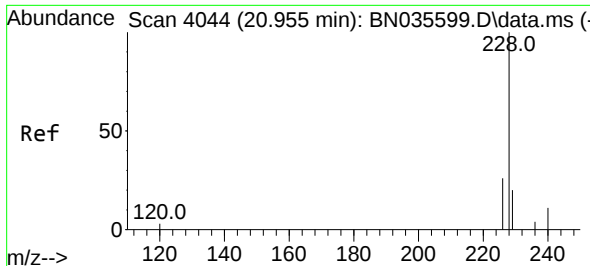
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#20
Pyrene
Concen: 0.601 ng/u1
RT: 19.172 min Scan# 3603
Delta R.T. 0.005 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

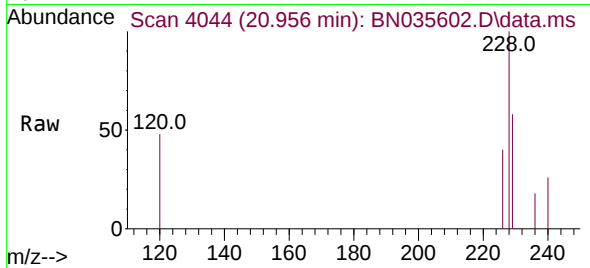
Tgt Ion:202 Resp: 14323
Ion Ratio Lower Upper
202 100
101 13.0 6.2 9.4#
100 10.1 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 0.343 ng/uI
RT: 20.956 min Scan# 4044
Delta R.T. 0.009 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

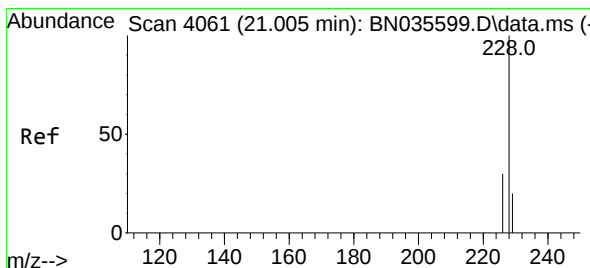
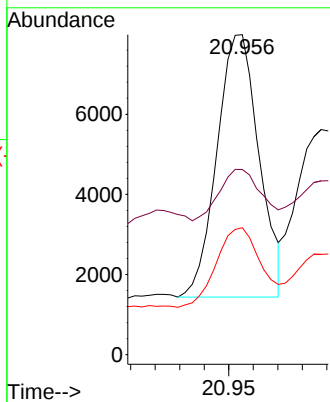
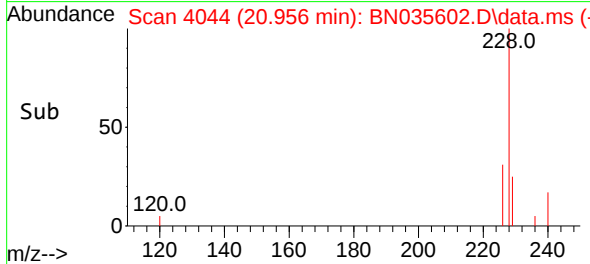
Instrument :
BNA_N
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E28Q3DL



Tgt Ion:228 Resp: 7830
Ion Ratio Lower Upper
228 100
229 57.9 15.8 23.8#
226 39.6 21.8 32.8#

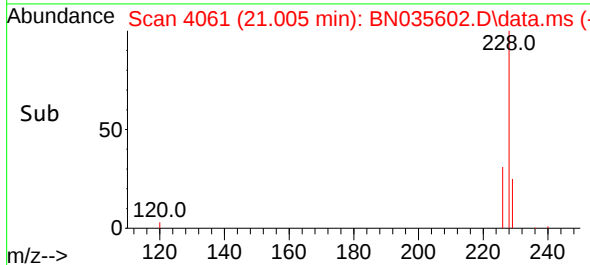
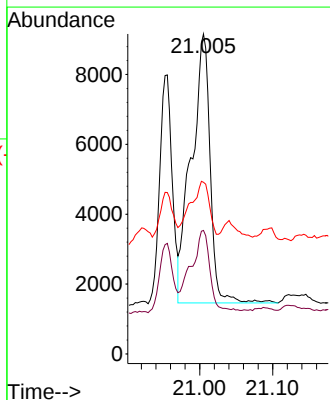
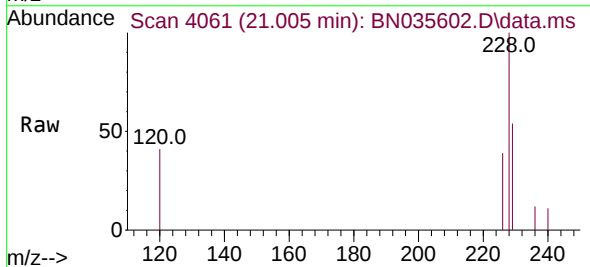
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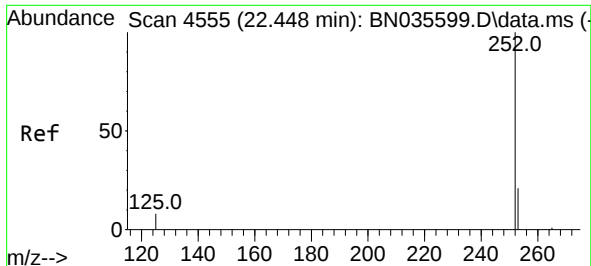
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#22
Chrysene
Concen: 0.601 ng/uI
RT: 21.005 min Scan# 4061
Delta R.T. 0.009 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

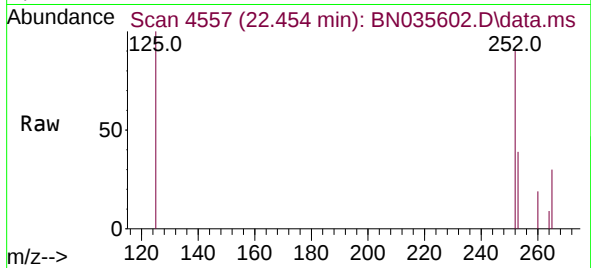
Tgt Ion:228 Resp: 13805
Ion Ratio Lower Upper
228 100
226 38.6 24.7 37.1#
229 53.7 16.0 24.0#





#24
Benzo(b)fluoranthene
Concen: 0.782 ng/ul m
RT: 22.454 min Scan# 4570
Delta R.T. 0.015 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

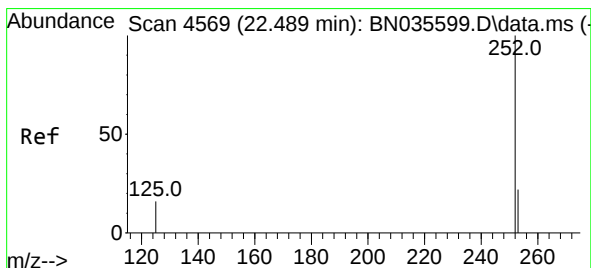
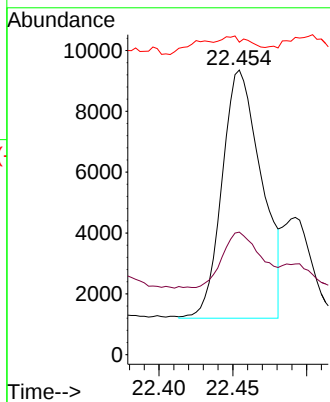
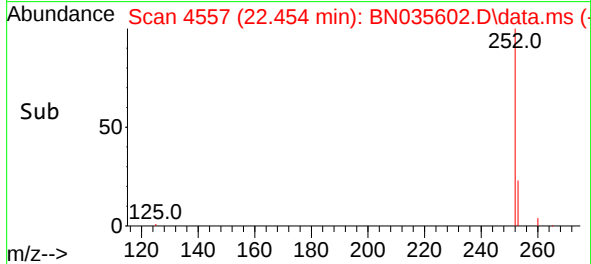
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



Tgt Ion:252 Resp: 15220
Ion Ratio Lower Upper
252 100
253 43.1 0.0 54.0
125 109.8 0.0 19.4

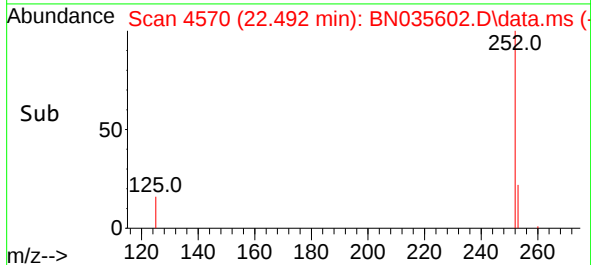
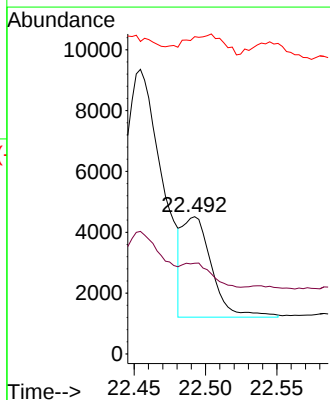
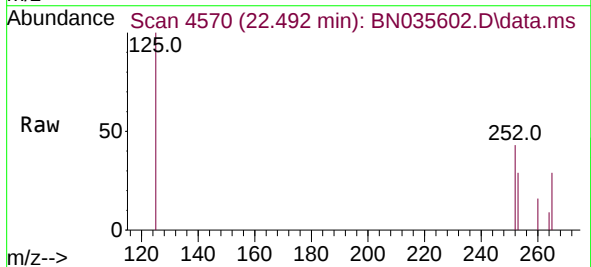
Manual Integrations
APPROVED

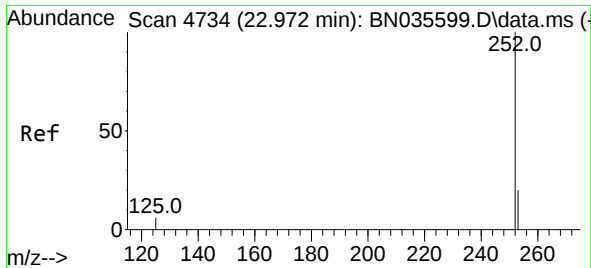
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#25
Benzo(k)fluoranthene
Concen: 0.236 ng/ul m
RT: 22.492 min Scan# 4570
Delta R.T. 0.012 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

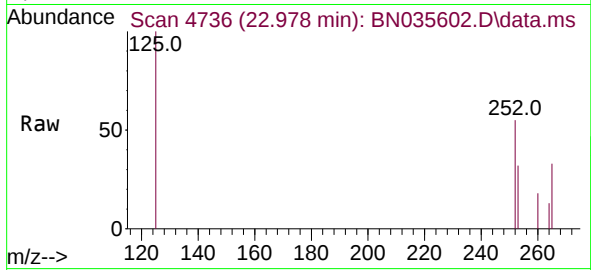
Tgt Ion:252 Resp: 4745
Ion Ratio Lower Upper
252 100
253 66.0 21.8 32.6#
125 231.1 8.6 12.8#





#26
Benzo(a)pyrene
Concen: 0.387 ng/ul
RT: 22.978 min Scan# 41
Delta R.T. 0.018 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19

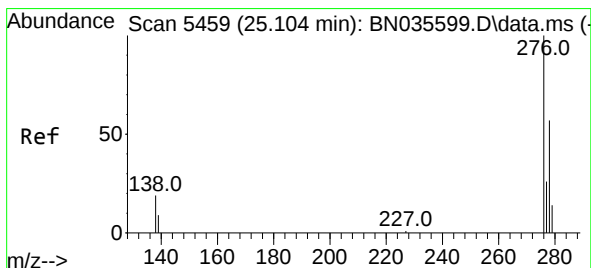
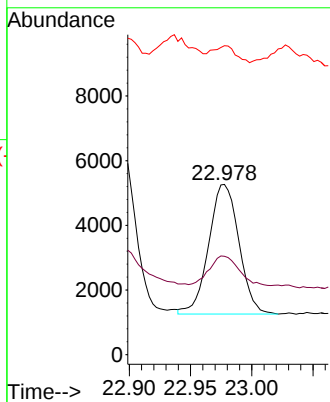
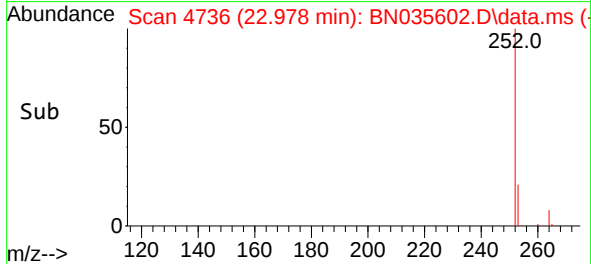
Instrument :
BNA_N
ClientSampleId :
E28Q3DL



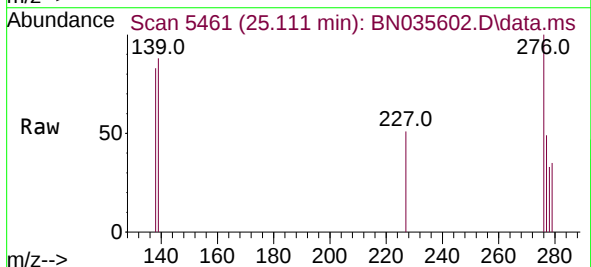
Tgt Ion:252 Resp: 688
Ion Ratio Lower Upper
252 100
253 57.8 22.9 34.3
125 181.5 9.4 14.2

Manual Integrations
APPROVED

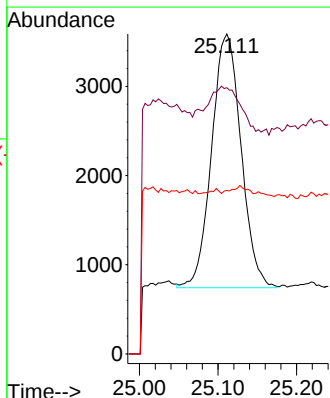
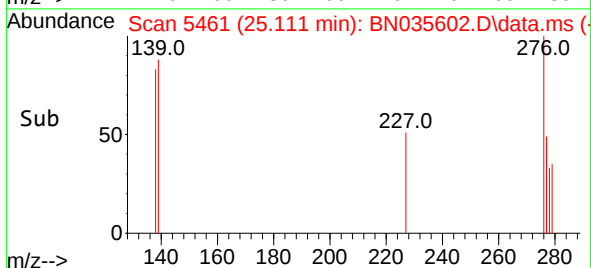
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

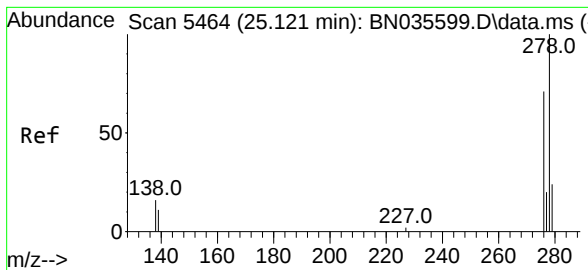


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.309 ng/ul m
RT: 25.111 min Scan# 5461
Delta R.T. 0.030 min
Lab File: BN035602.D
Acq: 13 Dec 2024 18:19



Tgt Ion:276 Resp: 7418
Ion Ratio Lower Upper
276 100
138 606.8 13.8 20.8#
227 0.0 0.2 0.4#





#28

Dibenzo(a,h)anthracene

Concen: 0.119 ng/ul m

RT: 25.125 min Scan# 54

Delta R.T. 0.024 min

Lab File: BN035602.D

Acq: 13 Dec 2024 18:19

Instrument :

BNA_N

ClientSampleId :

E28Q3DL

Tgt Ion:278 Resp: 225

Ion Ratio Lower Upper

278 100

139 248.3 10.7 16.1

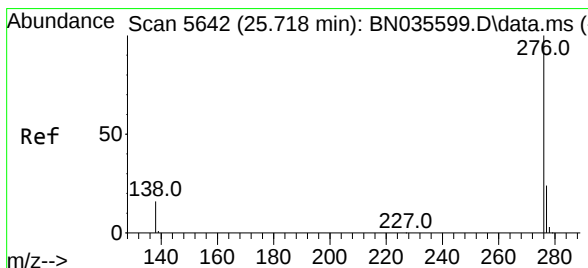
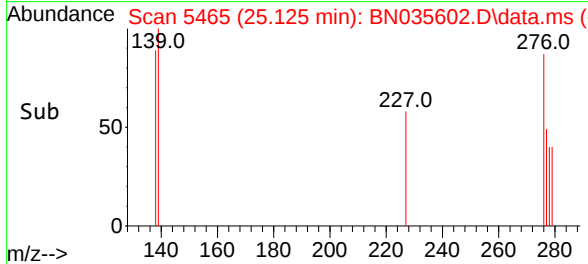
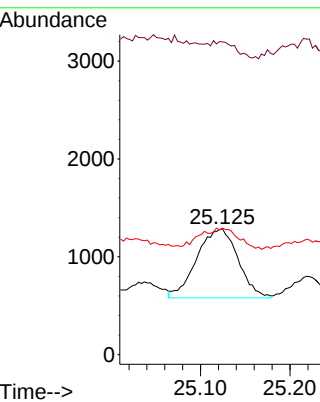
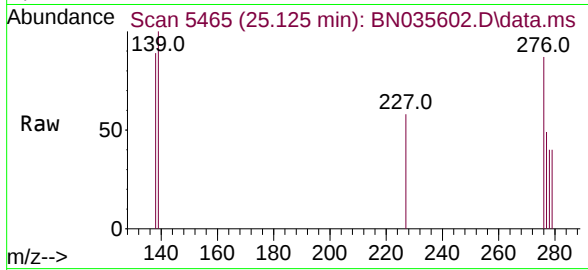
279 100.5 22.8 34.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024



#29

Benzo(g,h,i)perylene

Concen: 0.547 ng/ul

RT: 25.728 min Scan# 5645

Delta R.T. 0.037 min

Lab File: BN035602.D

Acq: 13 Dec 2024 18:19

Tgt Ion:276 Resp: 10358

Ion Ratio Lower Upper

276 100

138 64.7 13.0 19.6#

277 42.6 20.5 30.7#

