

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035594.D
 Acq On : 13 Dec 2024 13:18
 Operator : RC/JU
 Sample : P5153-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 15:22:26 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	7.288	152	2032	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.031	136	8859	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.949	164	5157	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	16.717	188	6859m	0.400	ng/ul	0.00
17) Chrysene-d12	20.973	240	4842	0.400	ng/ul	# 0.01
23) Perylene-d12	23.089	264	4785m	0.400	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	10172	5.477	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2435	0.188	ng/ul	-0.01
18) Fluoranthene-d10	18.772	212	5152	0.386	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.080	128	30637	1.373	ng/ul	99
7) 2-Methylnaphthalene	11.708	142	43740	2.826	ng/ul	98
8) 1-Methylnaphthalene	11.939	142	13619	0.872	ng/ul	96
10) Acenaphthylene	13.662	152	7630	0.373	ng/ul#	71
11) Acenaphthene	14.009	153	1448	0.093	ng/ul#	81
12) Fluorene	15.013	166	5552	0.302	ng/ul#	86
14) Pentachlorophenol	16.379	266	979	0.613	ng/ul	95
15) Phenanthrene	16.759	178	79303	4.373	ng/ul	94
16) Anthracene	16.848	178	40519	2.408	ng/ul#	85
19) Fluoranthene	18.805	202	66974	3.973	ng/ul#	94
20) Pyrene	19.172	202	67030	3.821	ng/ul#	93
21) Benzo(a)anthracene	20.958	228	43283	2.576	ng/ul#	67
22) Chrysene	21.011	228	67485	3.991	ng/ul#	75
24) Benzo(b)fluoranthene	22.469	252	80284m	5.076	ng/ul	
25) Benzo(k)fluoranthene	22.504	252	24654m	1.512	ng/ul	
26) Benzo(a)pyrene	22.998	252	38227m	2.645	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.145	276	39658m	2.031	ng/ul	
28) Dibenzo(a,h)anthracene	25.151	278	11348m	0.742	ng/ul	
29) Benzo(g,h,i)perylene	25.765	276	53073m	3.448	ng/ul	

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

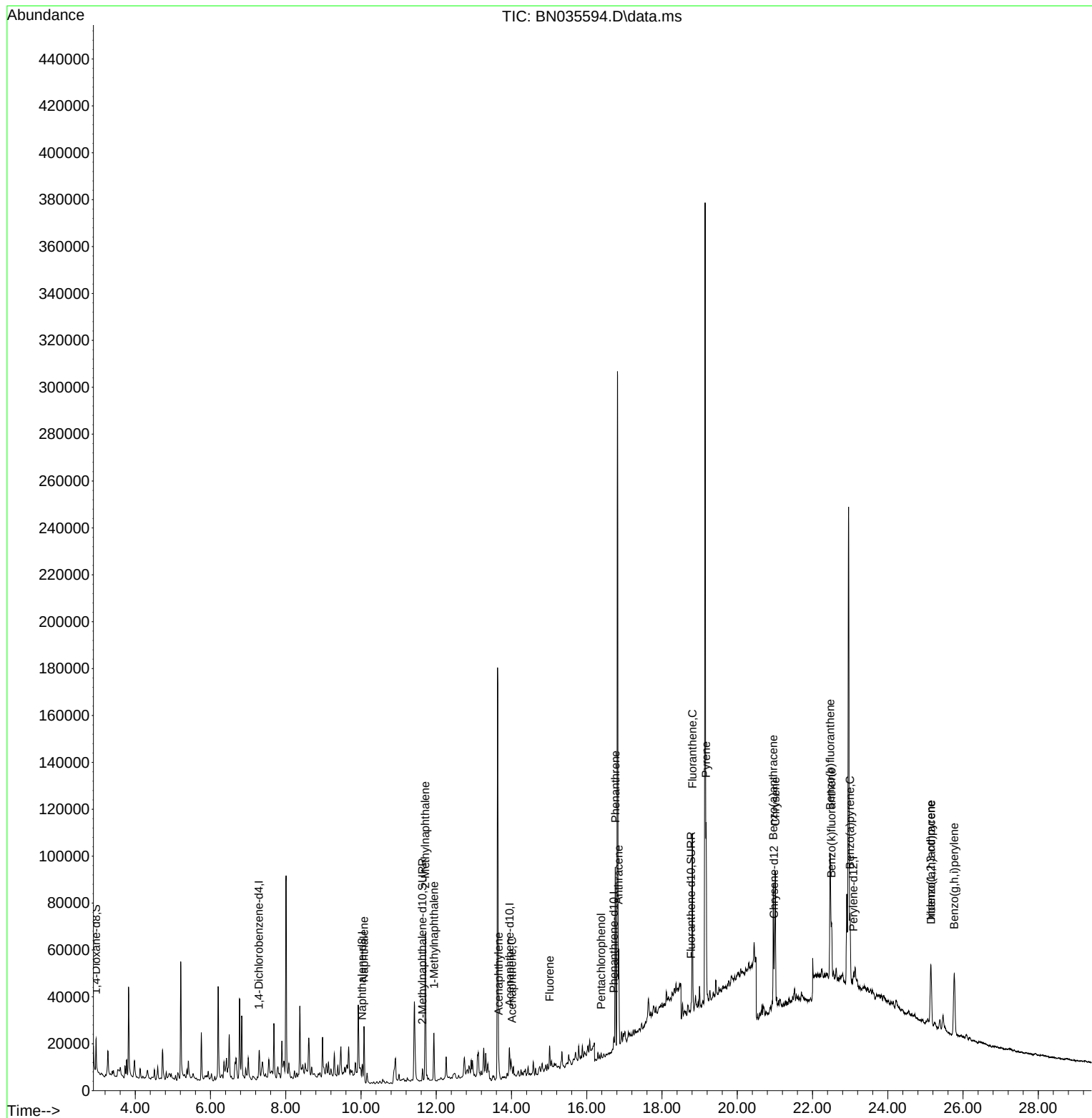
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035594.D
Acq On : 13 Dec 2024 13:18
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

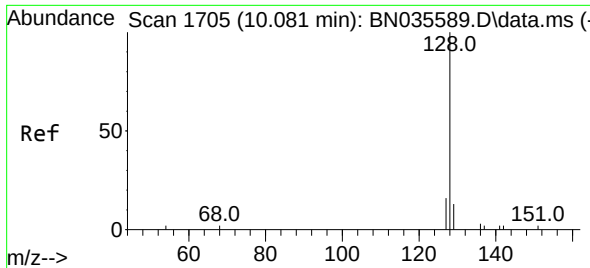
Instrument :
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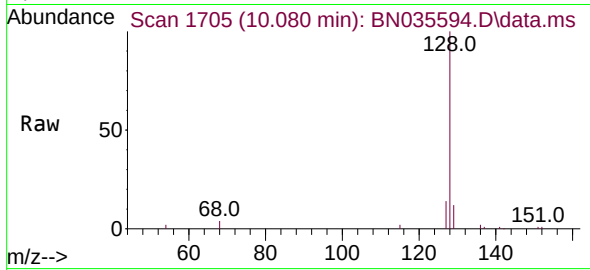
Quant Time: Dec 13 15:22:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 1.373 ng/ul
RT: 10.080 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BN035594.D
Acq: 13 Dec 2024 13:18

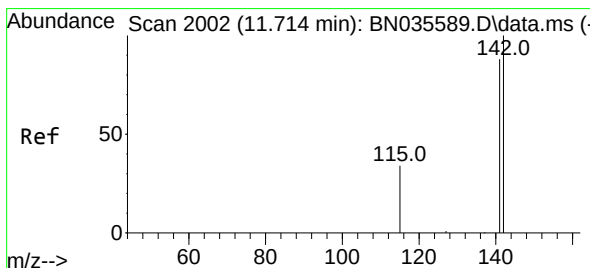
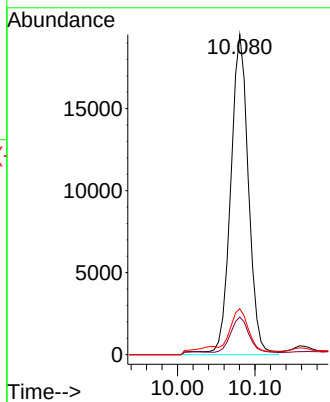
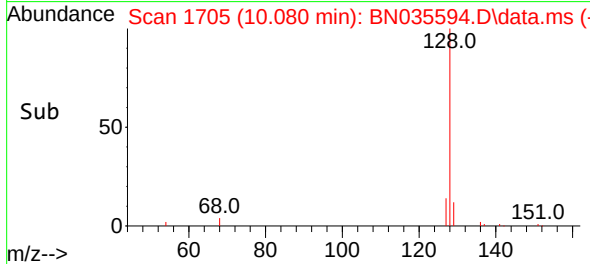
Instrument :
BNA_N
ClientSampleId :
E28Q4



Tgt Ion:128 Resp: 3063
Ion Ratio Lower Upper
128 100
129 11.7 9.9 14.9
127 14.4 11.4 17.2

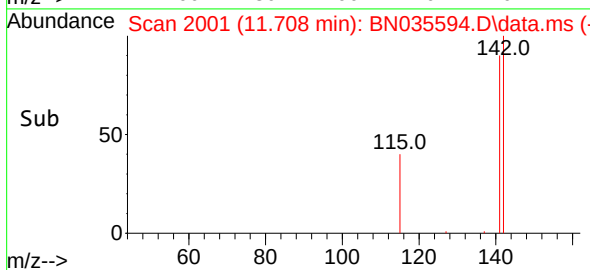
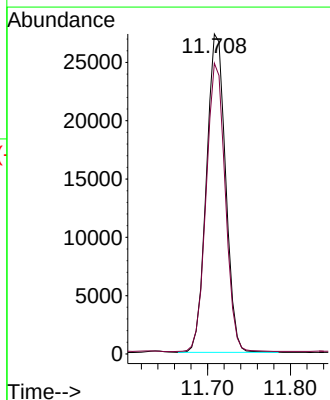
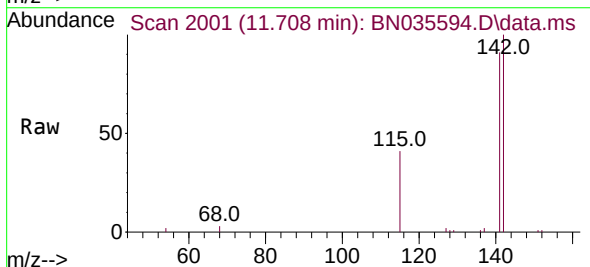
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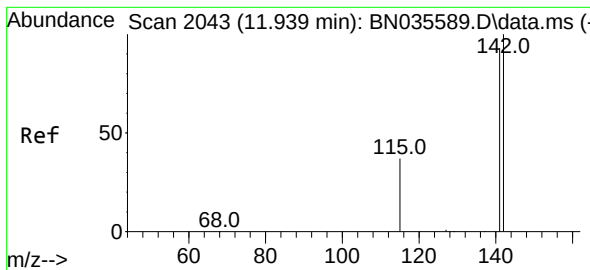
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#7
2-Methylnaphthalene
Concen: 2.826 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035594.D
Acq: 13 Dec 2024 13:18

Tgt Ion:142 Resp: 43740
Ion Ratio Lower Upper
142 100
141 90.1 70.4 105.6





#8

1-Methylnaphthalene

Concen: 0.872 ng/ul

RT: 11.939 min Scan# 2043

Delta R.T. -0.005 min

Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

Instrument :

BNA_N

ClientSampleId :

E28Q4

Tgt Ion:142 Resp: 13619

Ion Ratio Lower Upper

142 100

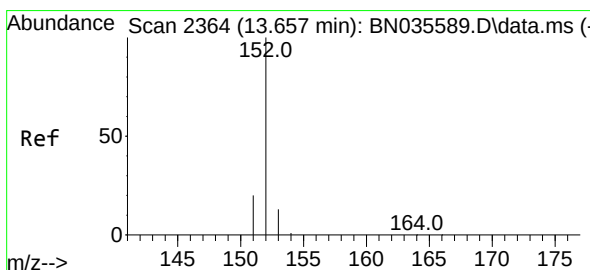
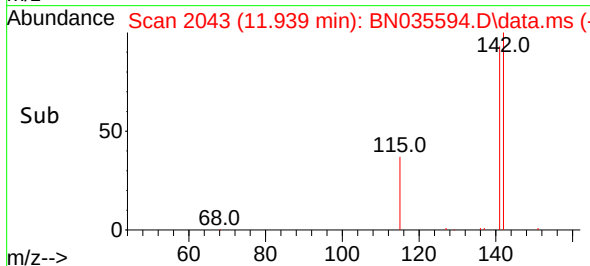
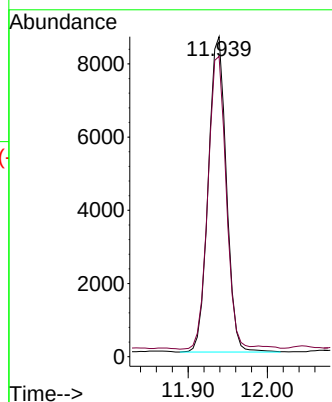
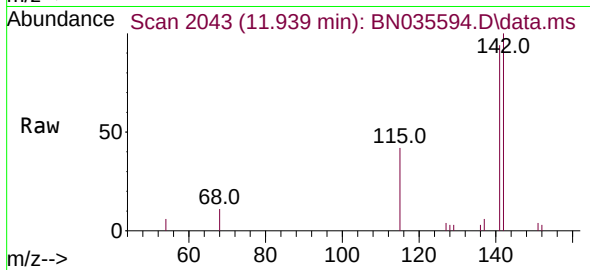
141 94.9 73.1 109.7

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#10

Acenaphthylene

Concen: 0.373 ng/ul

RT: 13.662 min Scan# 2365

Delta R.T. 0.000 min

Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

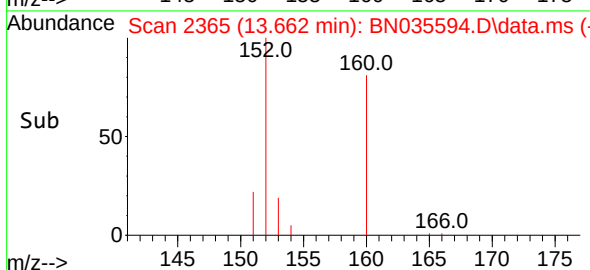
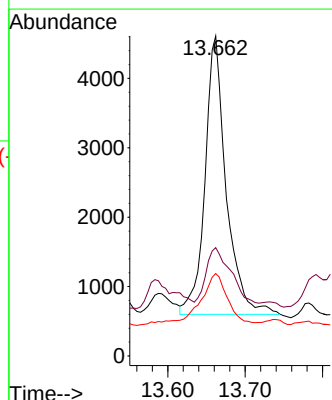
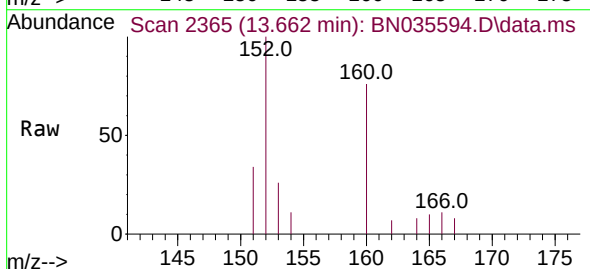
Tgt Ion:152 Resp: 7630

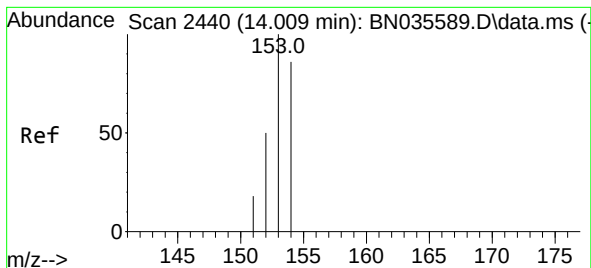
Ion Ratio Lower Upper

152 100

151 33.8 16.4 24.6#

153 25.7 11.1 16.7#





#11

Acenaphthene

Concen: 0.093 ng/u1

RT: 14.009 min Scan# 2440

Delta R.T. -0.005 min

Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

Instrument :

BNA_N

ClientSampleId :

E28Q4

Tgt Ion:153 Resp: 1448

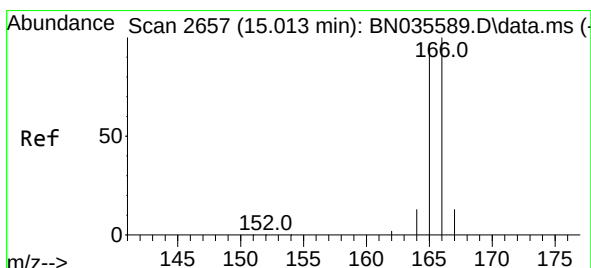
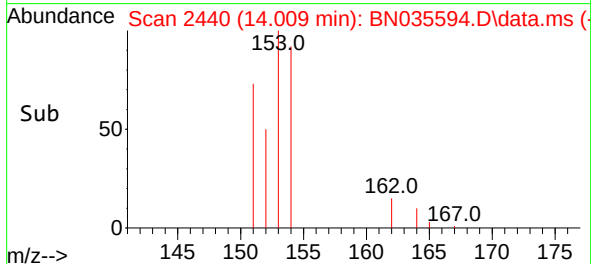
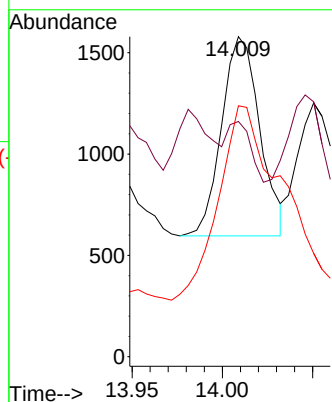
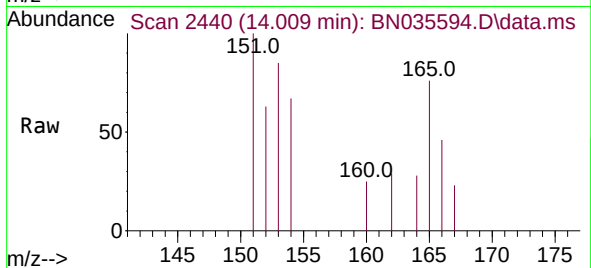
Ion	Ratio	Lower	Upper
153	100		
152	73.5	41.4	62.0
154	78.4	71.2	106.8

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#12

Fluorene

Concen: 0.302 ng/u1

RT: 15.013 min Scan# 2657

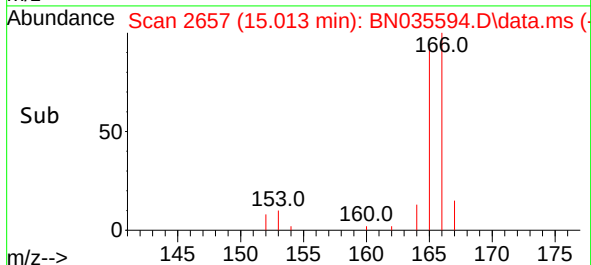
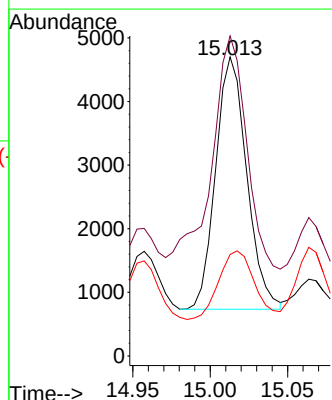
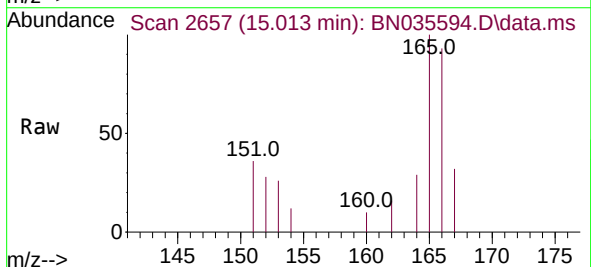
Delta R.T. -0.005 min

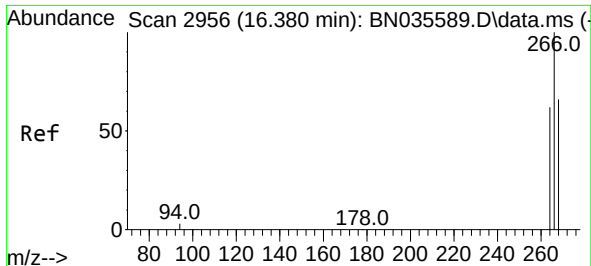
Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

Tgt Ion:166 Resp: 5552

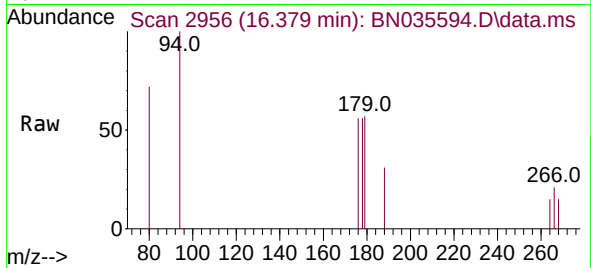
Ion	Ratio	Lower	Upper
166	100		
165	107.0	78.6	118.0
167	33.9	11.8	17.6





#14
 Pentachlorophenol
 Concen: 0.613 ng/ul
 RT: 16.379 min Scan# 2956
 Delta R.T. 0.000 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

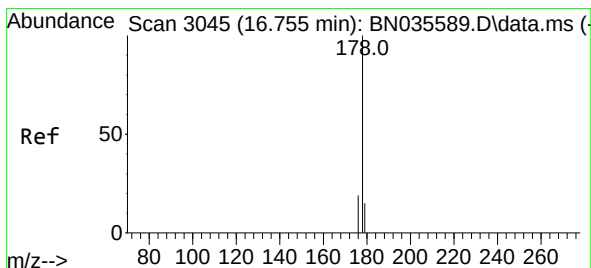
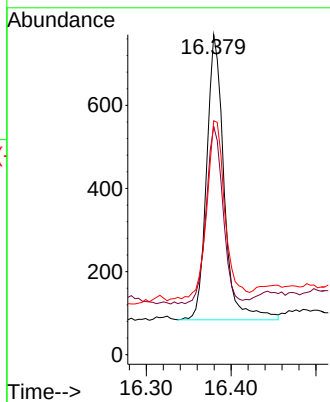
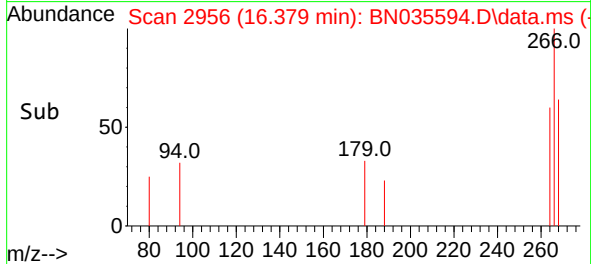
Instrument :
 BNA_N
 ClientSampleId :
 E28Q4



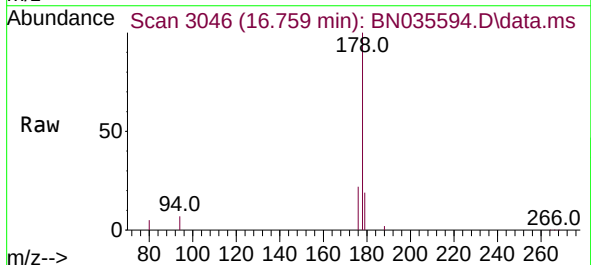
Tgt Ion:266 Resp: 979
 Ion Ratio Lower Upper
 266 100
 264 60.2 51.8 77.6
 268 67.6 51.3 76.9

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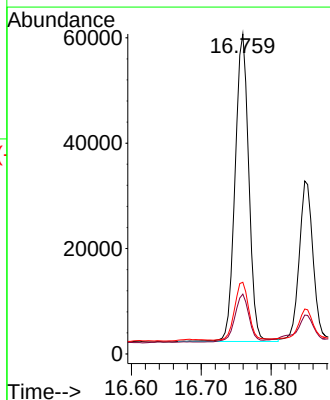
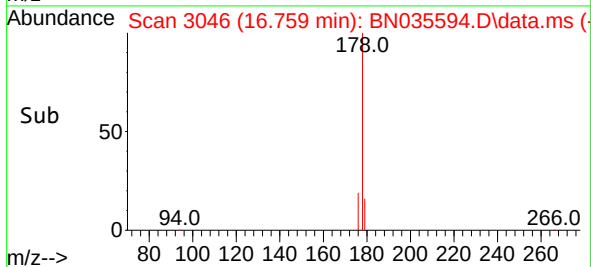
Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

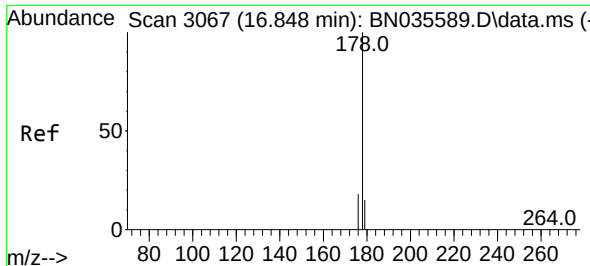


#15
 Phenanthrene
 Concen: 4.373 ng/ul
 RT: 16.759 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18



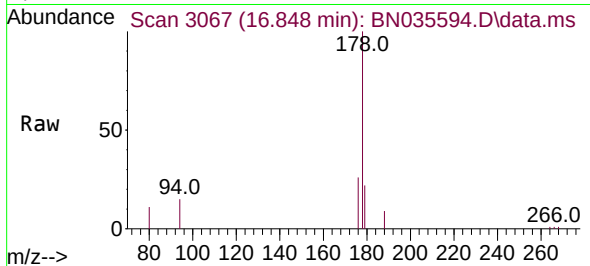
Tgt Ion:178 Resp: 79303
 Ion Ratio Lower Upper
 178 100
 179 18.7 12.9 19.3
 176 22.4 15.6 23.4





#16
 Anthracene
 Concen: 2.408 ng/ul
 RT: 16.848 min Scan# 3067
 Delta R.T. 0.000 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

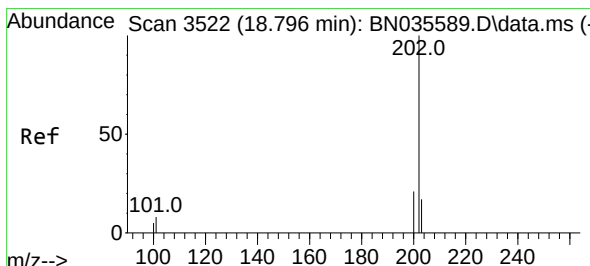
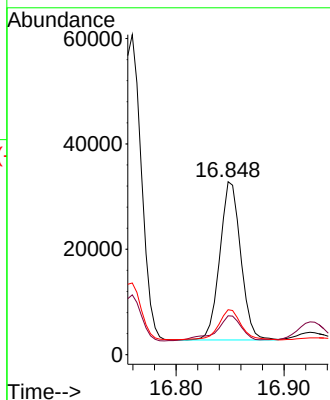
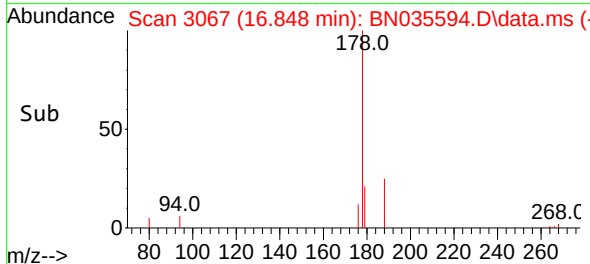
Instrument :
 BNA_N
 ClientSampleId :
 E28Q4



Tgt Ion:178 Resp: 40519
 Ion Ratio Lower Upper
 178 100
 179 22.4 12.9 19.3#
 176 26.0 15.4 23.2#

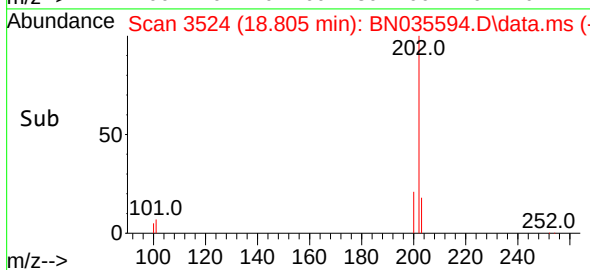
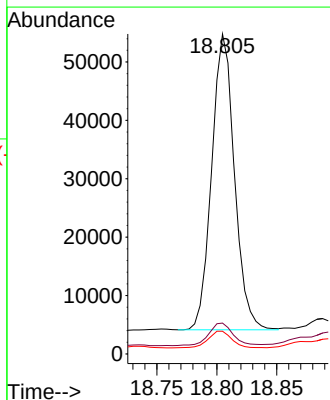
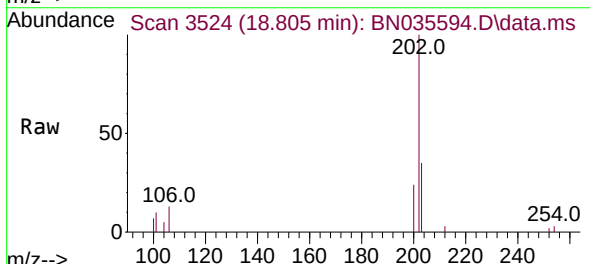
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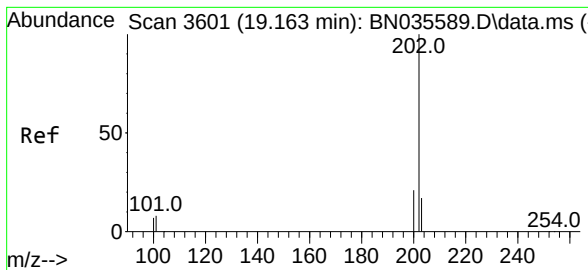
Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



#19
 Fluoranthene
 Concen: 3.973 ng/ul
 RT: 18.805 min Scan# 3524
 Delta R.T. 0.005 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

Tgt Ion:202 Resp: 66974
 Ion Ratio Lower Upper
 202 100
 101 9.6 5.8 8.6#
 100 7.1 4.5 6.7#





#20

Pyrene

Concen: 3.821 ng/ul

RT: 19.172 min Scan# 3603

Delta R.T. 0.005 min

Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

Instrument :

BNA_N

ClientSampleId :

E28Q4

Tgt Ion:202 Resp: 67030

Ion Ratio Lower Upper

202 100

101 10.7 6.2 9.4

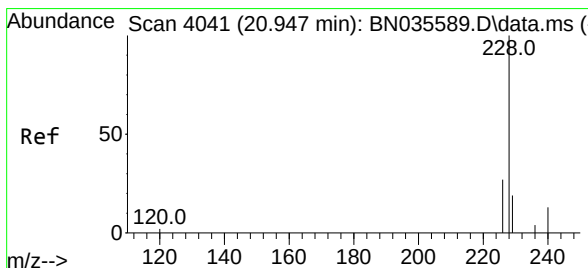
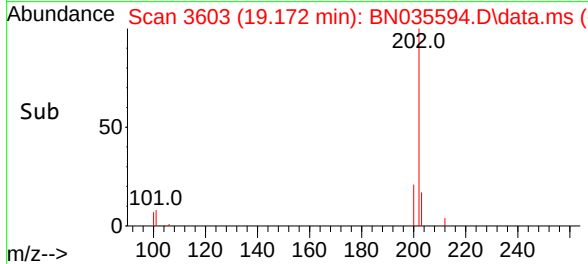
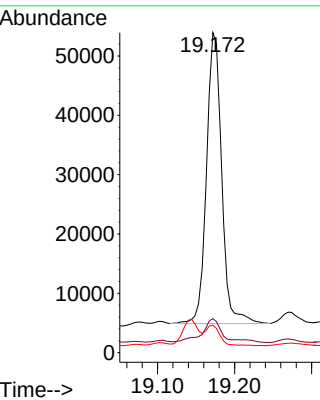
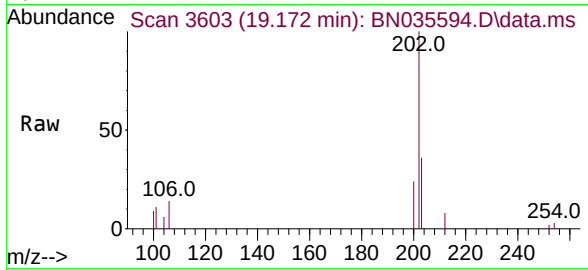
100 8.6 5.1 7.7

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#21

Benzo(a)anthracene

Concen: 2.576 ng/ul

RT: 20.958 min Scan# 4045

Delta R.T. 0.012 min

Lab File: BN035594.D

Acq: 13 Dec 2024 13:18

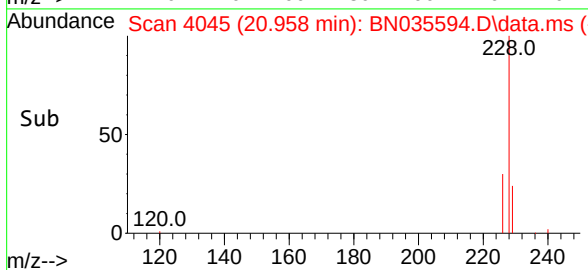
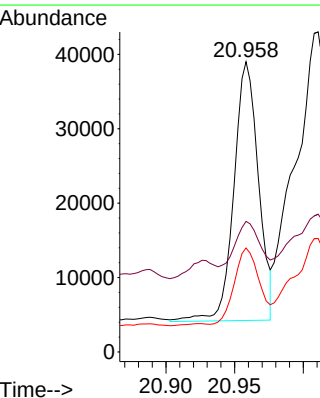
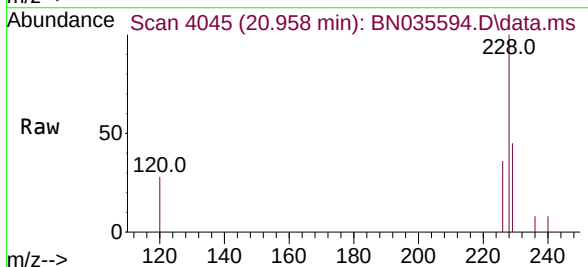
Tgt Ion:228 Resp: 43283

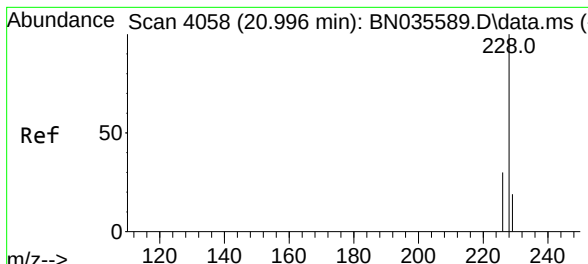
Ion Ratio Lower Upper

228 100

229 45.0 15.8 23.8#

226 35.8 21.8 32.8#





#22
 Chrysene
 Concen: 3.991 ng/ul
 RT: 21.011 min Scan# 4063
 Delta R.T. 0.015 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

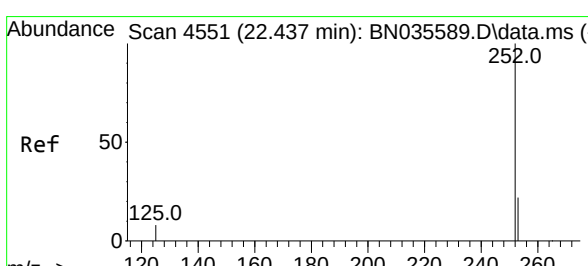
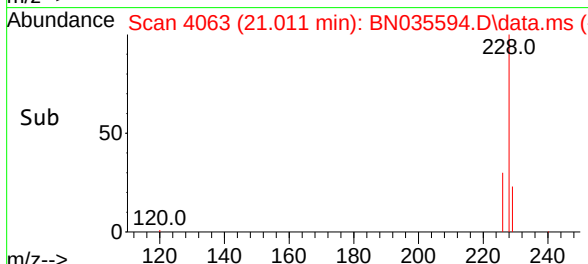
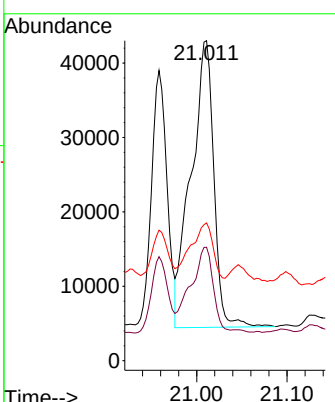
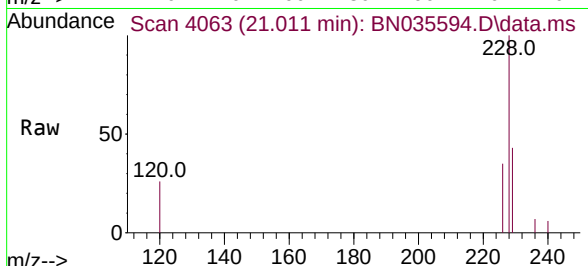
Instrument : BNA_N
 ClientSampleId : E28Q4

Tgt Ion:228 Resp: 67485

Ion	Ratio	Lower	Upper
228	100		
226	35.5	24.7	37.1
229	43.0	16.0	24.0

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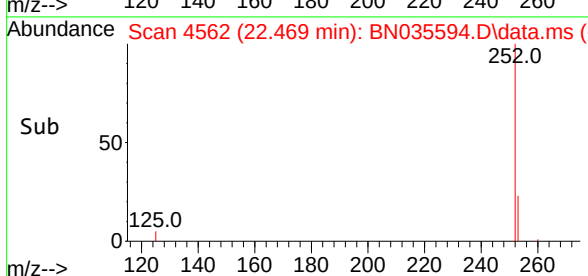
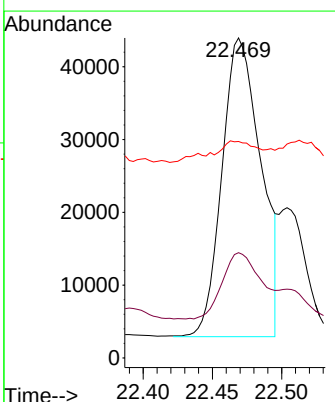
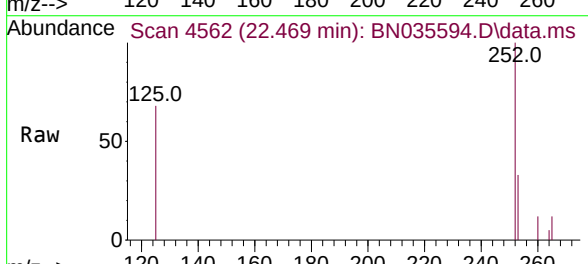
Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

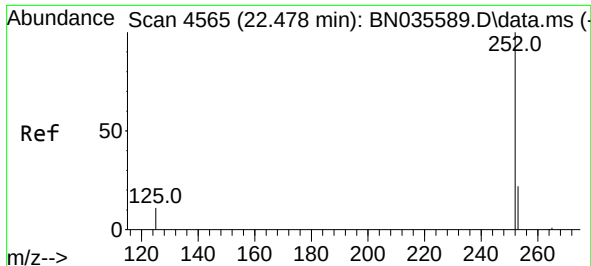


#24
 Benzo(b)fluoranthene
 Concen: 5.076 ng/ul m
 RT: 22.469 min Scan# 4562
 Delta R.T. 0.029 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

Tgt Ion:252 Resp: 80284

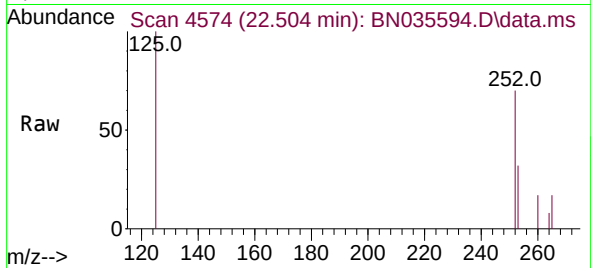
Ion	Ratio	Lower	Upper
252	100		
253	32.9	0.0	54.0
125	67.7	0.0	19.4





#25
Benzo(k)fluoranthene
Concen: 1.512 ng/ul m
RT: 22.504 min Scan# 4565
Delta R.T. 0.023 min
Lab File: BN035594.D
Acq: 13 Dec 2024 13:18

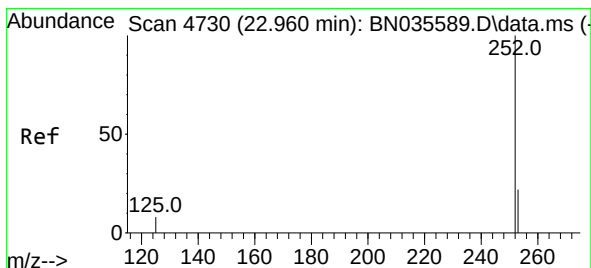
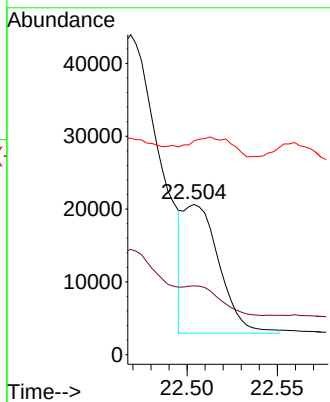
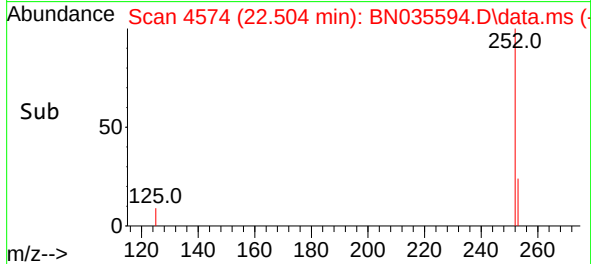
Instrument :
BNA_N
ClientSampleId :
E28Q4



Tgt Ion:252 Resp: 24654
Ion Ratio Lower Upper
252 100
253 45.8 21.8 32.6#
125 142.3 8.6 12.8#

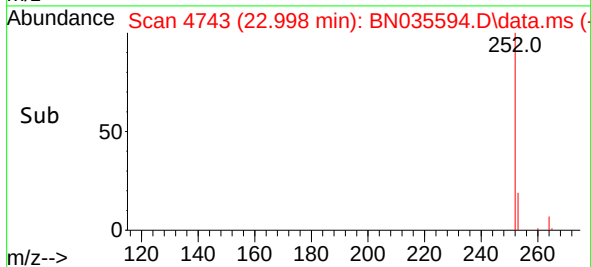
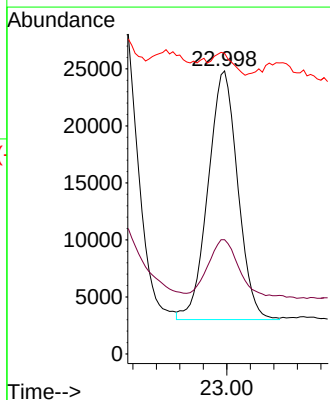
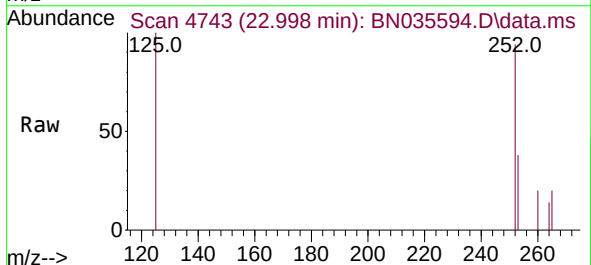
Manual Integrations
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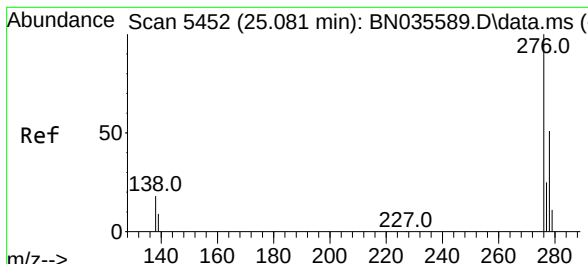
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#26
Benzo(a)pyrene
Concen: 2.645 ng/ul m
RT: 22.998 min Scan# 4743
Delta R.T. 0.038 min
Lab File: BN035594.D
Acq: 13 Dec 2024 13:18

Tgt Ion:252 Resp: 38227
Ion Ratio Lower Upper
252 100
253 40.3 22.9 34.3#
125 106.2 9.4 14.2#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.031 ng/ul m
 RT: 25.145 min Scan# 5452
 Delta R.T. 0.064 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

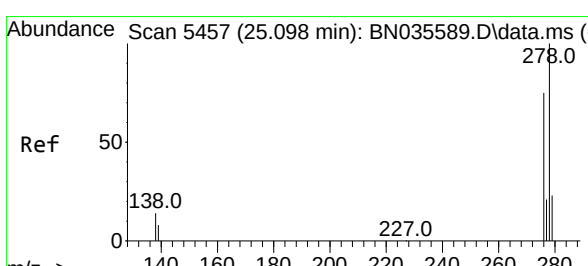
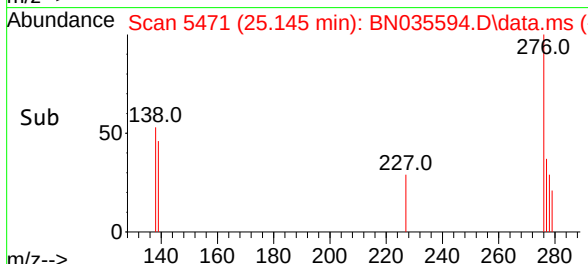
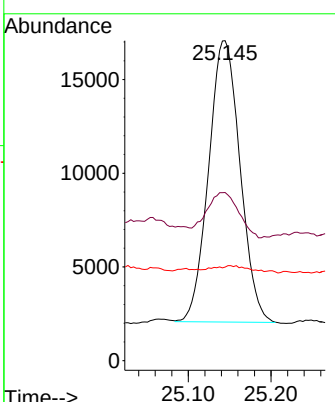
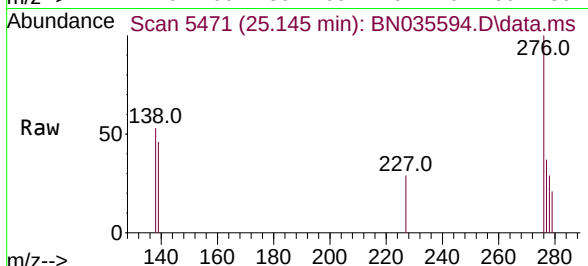
Instrument :
 BNA_N
 ClientSampleId :
 E28Q4

Tgt Ion: 276 Resp: 39658

Ion	Ratio	Lower	Upper
276	100		
138	189.5	13.8	20.8
227	0.0	0.2	0.4

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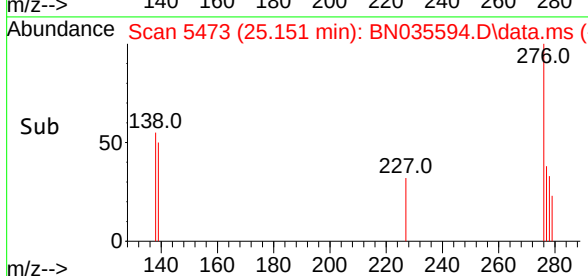
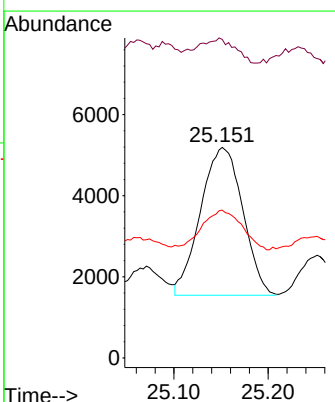
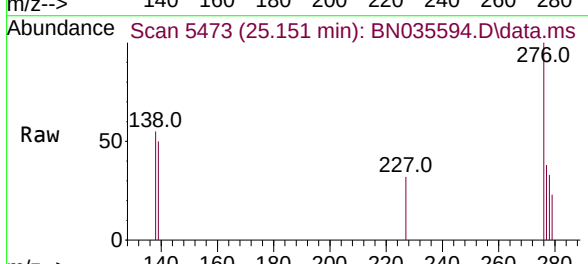
Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

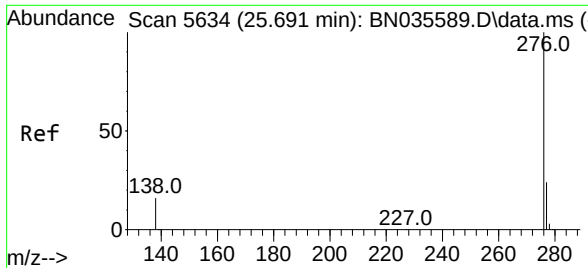


#28
 Dibenzo(a,h)anthracene
 Concen: 0.742 ng/ul m
 RT: 25.151 min Scan# 5473
 Delta R.T. 0.050 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

Tgt Ion: 278 Resp: 11348

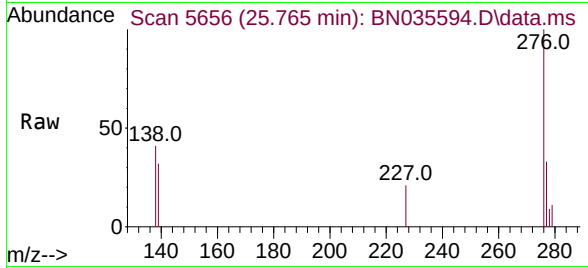
Ion	Ratio	Lower	Upper
278	100		
139	151.3	10.7	16.1
279	70.2	22.8	34.2





#29
 Benzo(g,h,i)perylene
 Concen: 3.448 ng/ul m
 RT: 25.765 min Scan# 50
 Delta R.T. 0.074 min
 Lab File: BN035594.D
 Acq: 13 Dec 2024 13:18

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4



Tgt Ion:276 Resp: 5307
 Ion Ratio Lower Upper
 276 100
 138 41.5 13.0 19.6
 277 32.6 20.5 30.7

Manual Integrations
 APPROVED

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

