

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035595.D
 Acq On : 13 Dec 2024 13:54
 Operator : RC/JU
 Sample : P5153-18MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4MS

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 15:30:27 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	2330	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.036	136	11250	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.953	164	5289	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	16.721	188	7071	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.982	240	5178	0.400	ng/ul	# 0.02
23) Perylene-d12	23.094	264	6225	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	1704	0.800	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	2821	0.171	ng/ul	0.00
18) Fluoranthene-d10	18.781	212	6007	0.421	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	2921	1.264	ng/ul#	1
5) Naphthalene	10.086	128	36819	1.299	ng/ul	99
7) 2-Methylnaphthalene	11.714	142	48619	2.474	ng/ul	97
8) 1-Methylnaphthalene	11.939	142	16754	0.844	ng/ul	98
10) Acenaphthylene	13.666	152	11164	0.532	ng/ul#	79
11) Acenaphthene	14.013	153	4597	0.286	ng/ul	90
12) Fluorene	15.017	166	8766	0.465	ng/ul#	91
14) Pentachlorophenol	16.388	266	1328	0.806	ng/ul	96
15) Phenanthrene	16.764	178	81389	4.354	ng/ul	93
16) Anthracene	16.852	178	44826	2.584	ng/ul#	86
19) Fluoranthene	18.809	202	72073	3.998	ng/ul#	93
20) Pyrene	19.176	202	74001	3.944	ng/ul#	90
21) Benzo(a)anthracene	20.964	228	46195	2.571	ng/ul#	67
22) Chrysene	21.017	228	69697	3.855	ng/ul#	75
24) Benzo(b)fluoranthene	22.475	252	84913m	4.127	ng/ul	
25) Benzo(k)fluoranthene	22.510	252	29722m	1.401	ng/ul	
26) Benzo(a)pyrene	23.004	252	42013	2.234	ng/ul#	9
27) Indeno(1,2,3-cd)pyrene	25.155	276	49822	1.962	ng/ul#	1
28) Dibenzo(a,h)anthracene	25.165	278	16857m	0.847	ng/ul	
29) Benzo(g,h,i)perylene	25.778	276	61305	3.061	ng/ul#	66

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

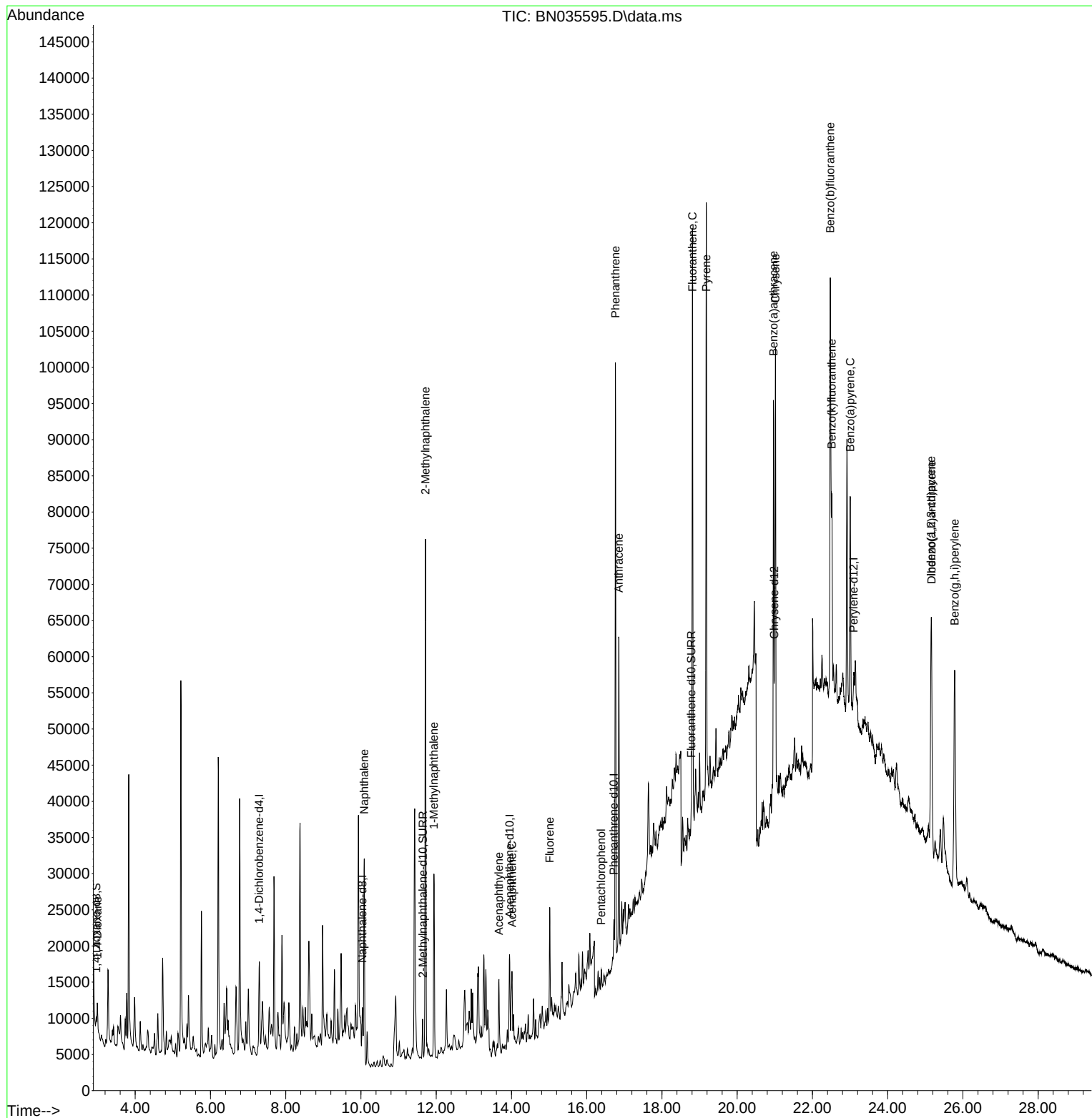
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035595.D
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ALS Vial : 8 Sample Multiplier: 1

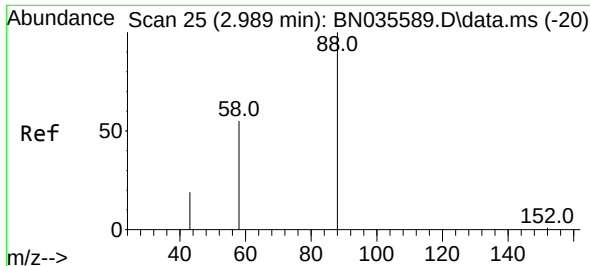
Instrument :
BNA_N
ClientSampleId :
E28Q4MS

Quant Time: Dec 13 15:30:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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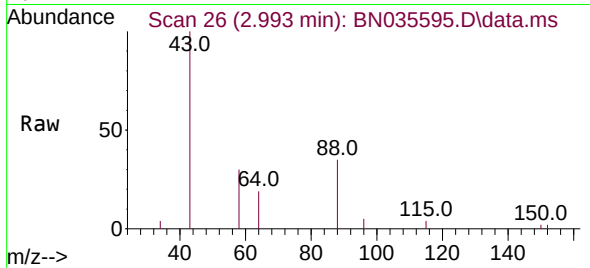
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024





#2
1,4-Dioxane
Concen: 1.264 ng/ul
RT: 2.993 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

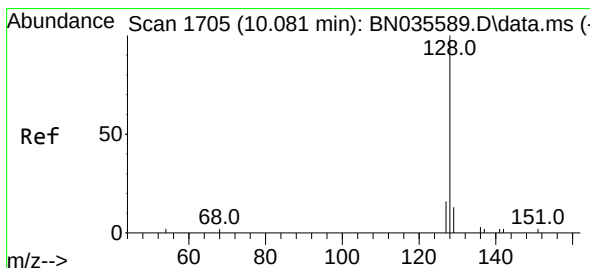
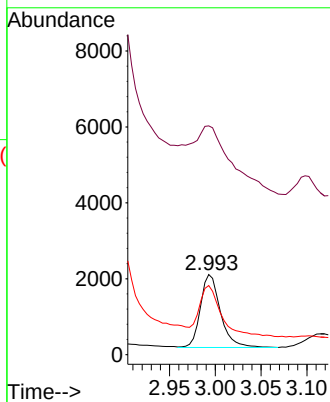
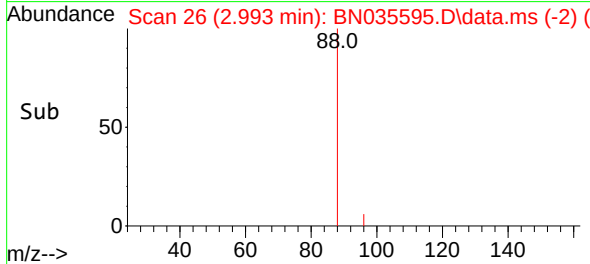
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



Tgt Ion: 88 Resp: 292
Ion Ratio Lower Upper
88 100
43 285.6 20.6 31.0
58 86.2 36.2 54.4

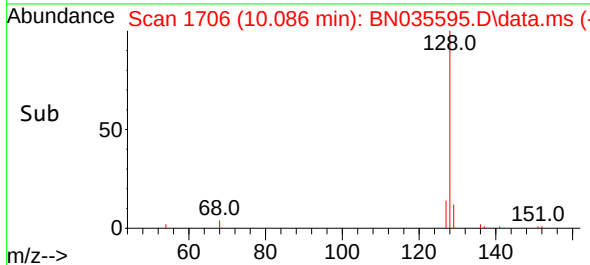
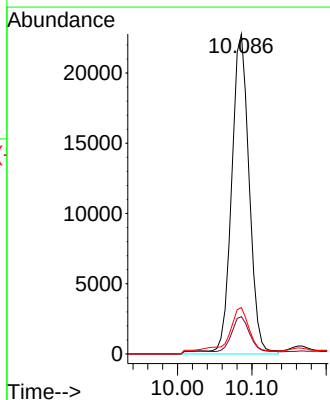
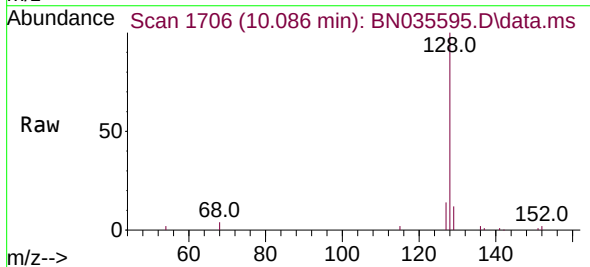
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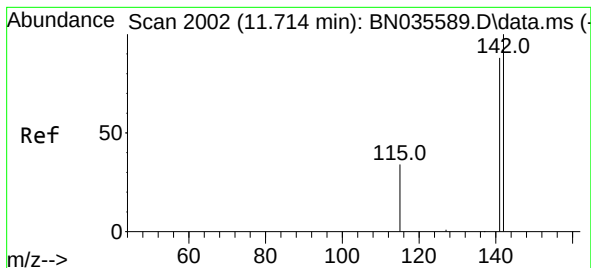
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#5
Naphthalene
Concen: 1.299 ng/ul
RT: 10.086 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

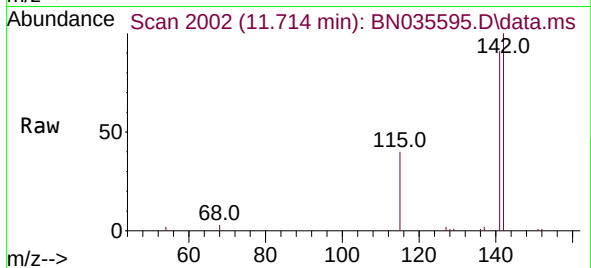
Tgt Ion:128 Resp: 36819
Ion Ratio Lower Upper
128 100
129 11.7 9.9 14.9
127 14.5 11.4 17.2





#7
2-Methylnaphthalene
Concen: 2.474 ng/ul
RT: 11.714 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

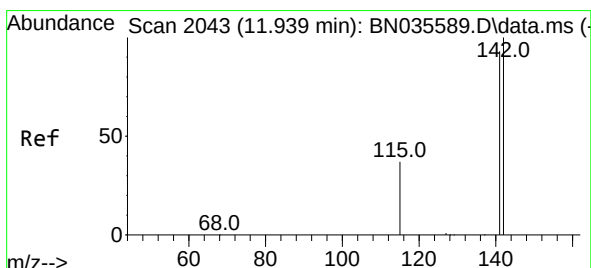
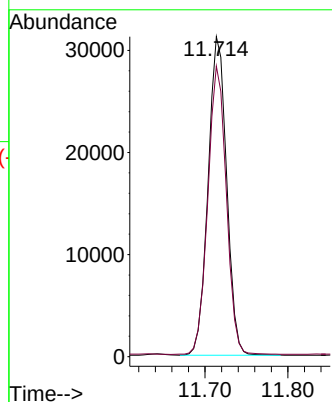
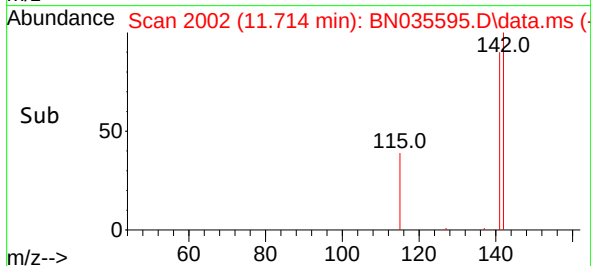
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



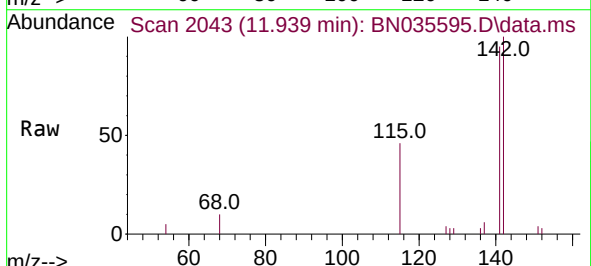
Tgt Ion:142 Resp: 48619
Ion Ratio Lower Upper
142 100
141 90.4 70.4 105.6

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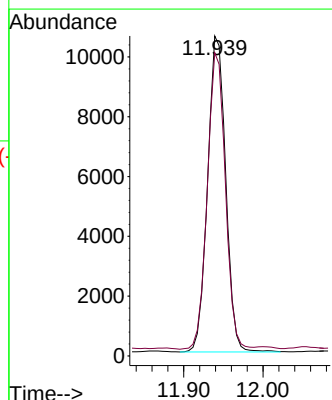
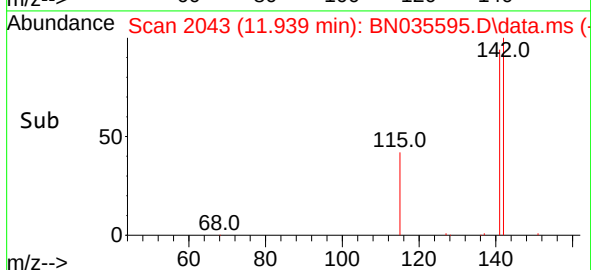
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

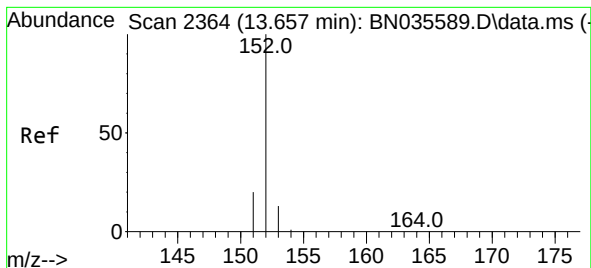


#8
1-Methylnaphthalene
Concen: 0.844 ng/ul
RT: 11.939 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54



Tgt Ion:142 Resp: 16754
Ion Ratio Lower Upper
142 100
141 93.6 73.1 109.7





#10

Acenaphthylene

Concen: 0.532 ng/u1

RT: 13.666 min Scan# 2116

Delta R.T. 0.005 min

Lab File: BN035595.D

Acq: 13 Dec 2024 13:54

Instrument :

BNA_N

ClientSampleId :

E28Q4MS

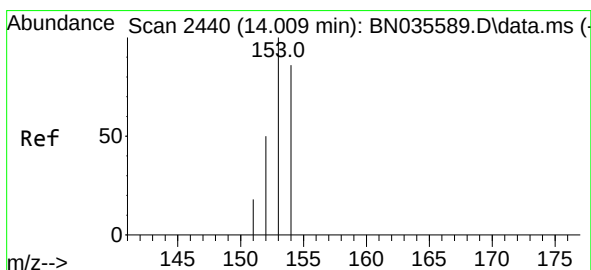
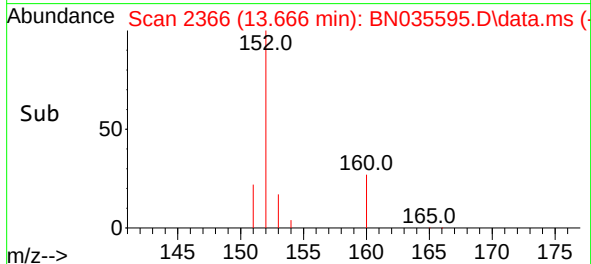
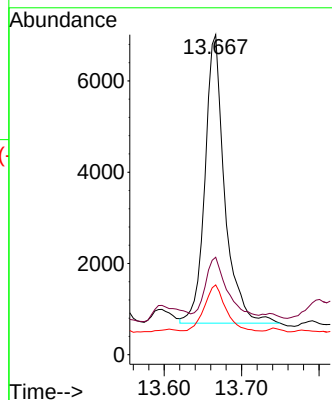
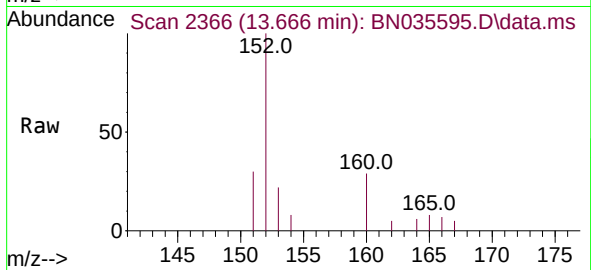
Tgt Ion:	152	Resp:	1116
Ion Ratio	Lower	Upper	
152	100		
151	30.5	16.4	24.6
153	21.8	11.1	16.7

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#11

Acenaphthene

Concen: 0.286 ng/u1

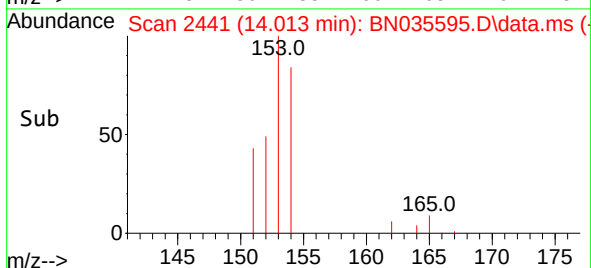
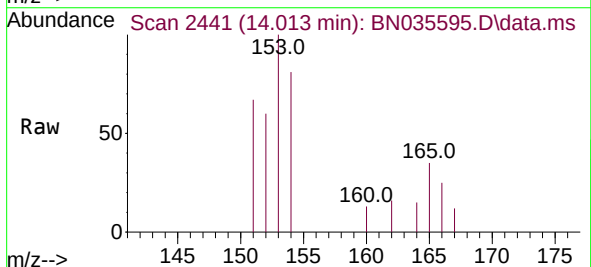
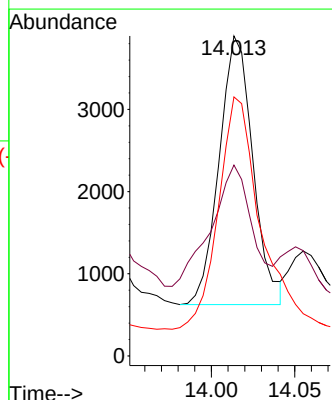
RT: 14.013 min Scan# 2441

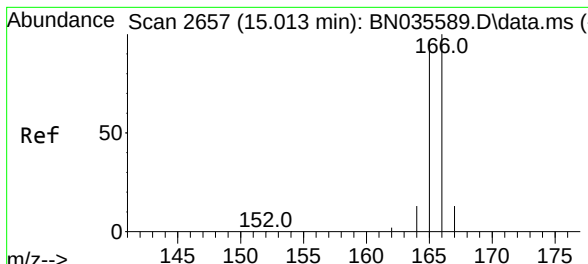
Delta R.T. 0.000 min

Lab File: BN035595.D

Acq: 13 Dec 2024 13:54

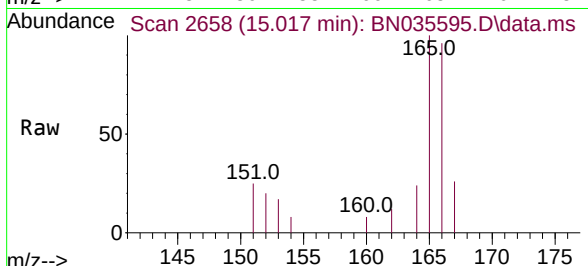
Tgt Ion:	153	Resp:	4597
Ion Ratio	Lower	Upper	
153	100		
152	59.7	41.4	62.0
154	80.9	71.2	106.8





#12
 Fluorene
 Concen: 0.465 ng/ul
 RT: 15.017 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BN035595.D
 Acq: 13 Dec 2024 13:54

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4MS

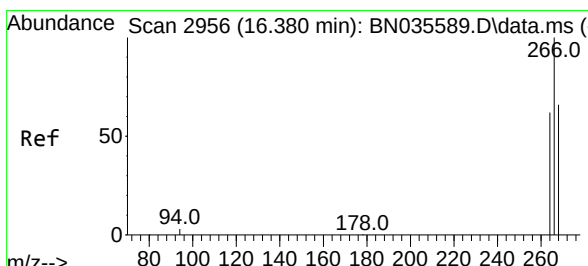
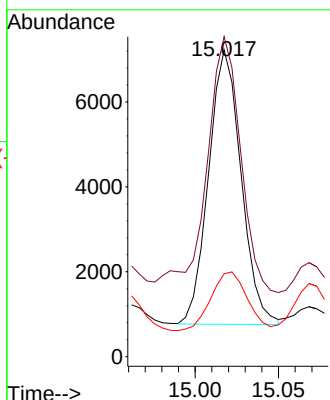
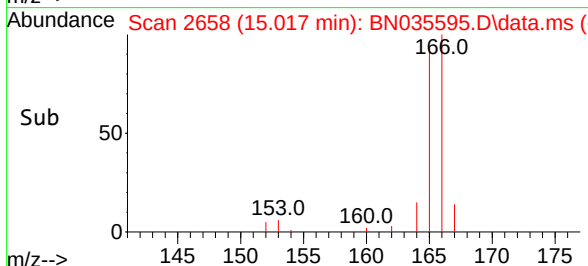


Tgt Ion:166 Resp: 8760

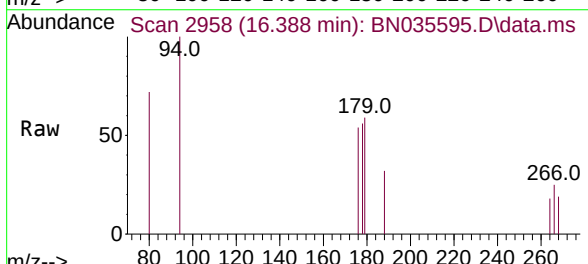
Ion	Ratio	Lower	Upper
166	100		
165	104.3	78.6	118.0
167	27.0	11.8	17.6

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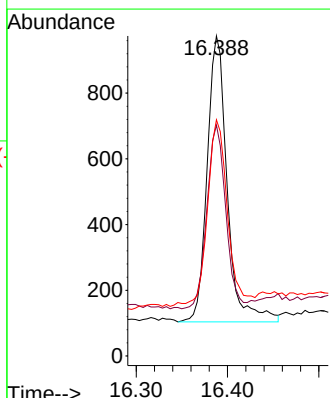
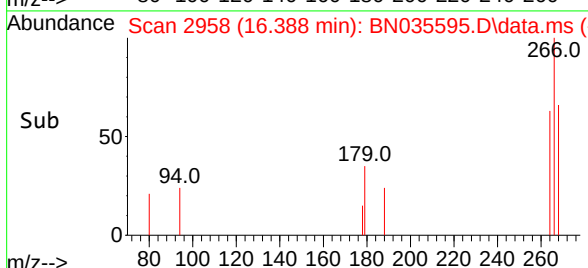


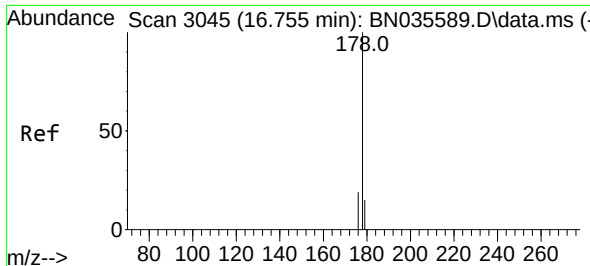
#14
 Pentachlorophenol
 Concen: 0.806 ng/ul
 RT: 16.388 min Scan# 2958
 Delta R.T. 0.008 min
 Lab File: BN035595.D
 Acq: 13 Dec 2024 13:54



Tgt Ion:266 Resp: 1328

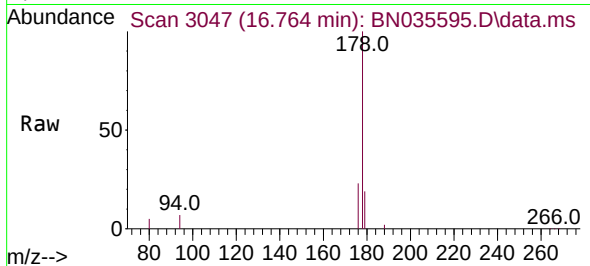
Ion	Ratio	Lower	Upper
266	100		
264	60.4	51.8	77.6
268	65.5	51.3	76.9





#15
Phenanthrene
Concen: 4.354 ng/u1
RT: 16.764 min Scan# 3045
Delta R.T. 0.004 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

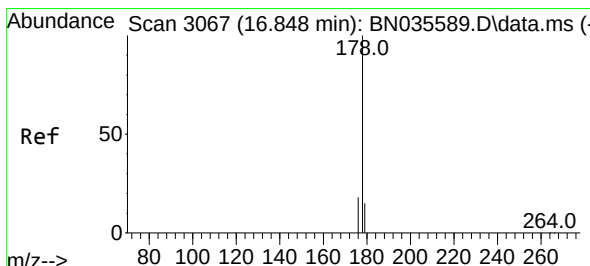
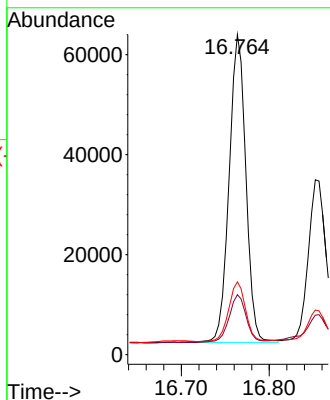
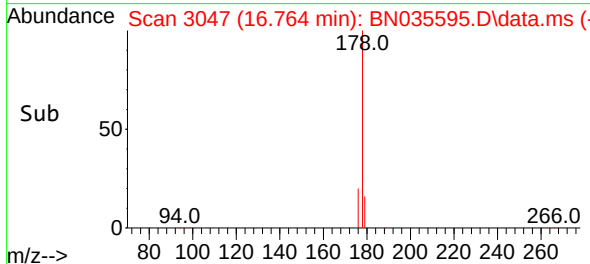
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



Tgt Ion:178 Resp: 81389
Ion Ratio Lower Upper
178 100
179 18.8 12.9 19.3
176 22.8 15.6 23.4

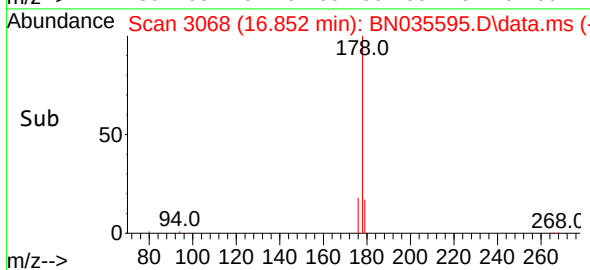
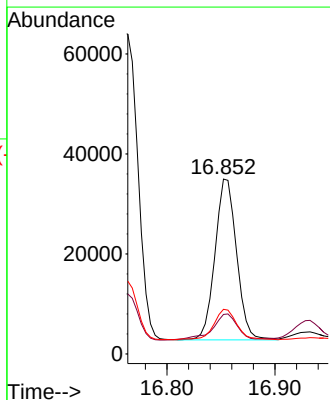
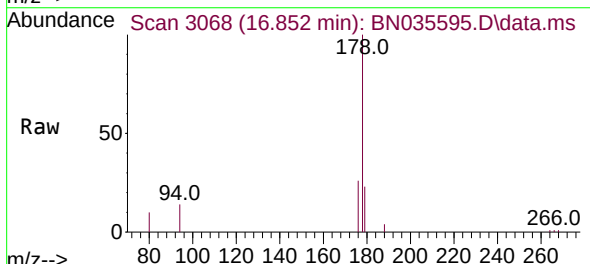
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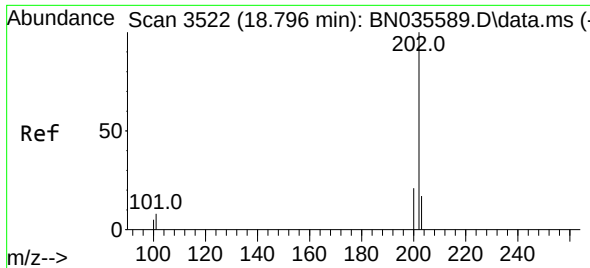
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#16
Anthracene
Concen: 2.584 ng/u1
RT: 16.852 min Scan# 3068
Delta R.T. 0.004 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

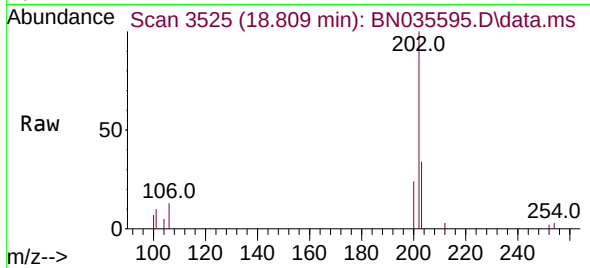
Tgt Ion:178 Resp: 44826
Ion Ratio Lower Upper
178 100
179 22.6 12.9 19.3#
176 25.5 15.4 23.2#





#19
Fluoranthene
Concen: 3.998 ng/ul
RT: 18.809 min Scan# 3525
Delta R.T. 0.009 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

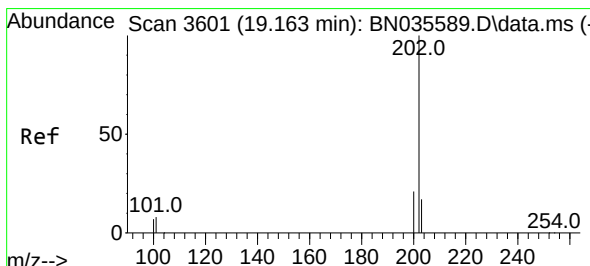
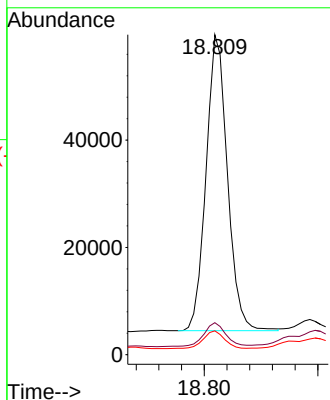
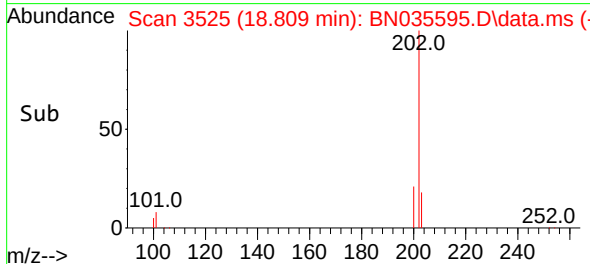
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



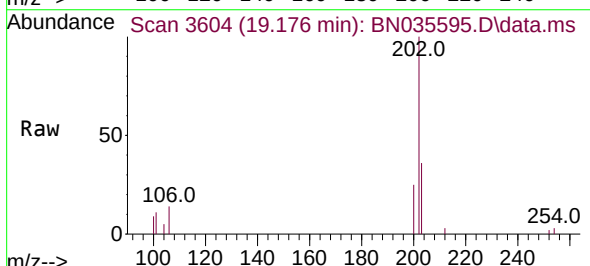
Tgt Ion:202 Resp: 7207
Ion Ratio Lower Upper
202 100
101 10.0 5.8 8.6
100 7.4 4.5 6.7

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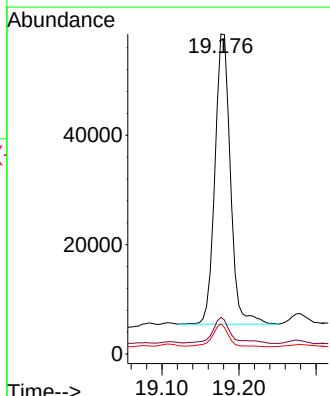
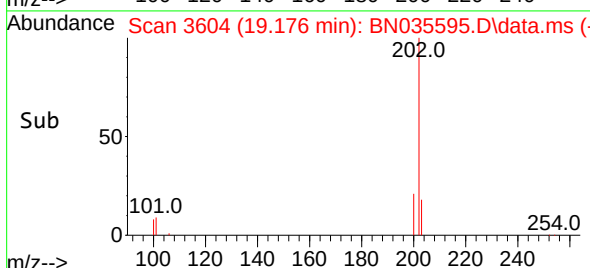
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

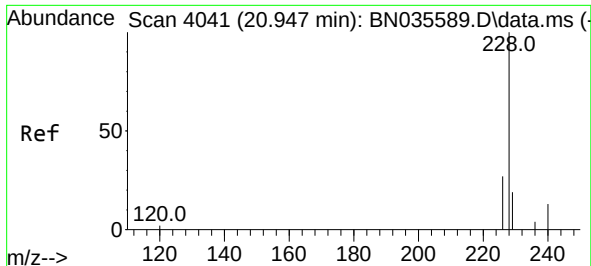


#20
Pyrene
Concen: 3.944 ng/ul
RT: 19.176 min Scan# 3604
Delta R.T. 0.009 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54



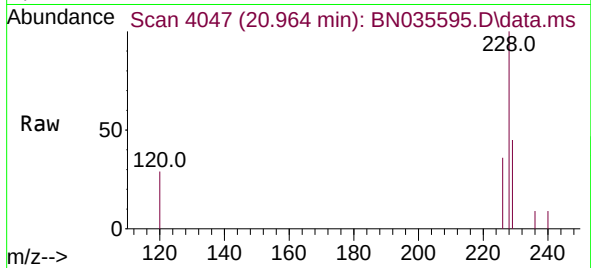
Tgt Ion:202 Resp: 74001
Ion Ratio Lower Upper
202 100
101 11.4 6.2 9.4#
100 9.4 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 2.571 ng/ul
RT: 20.964 min Scan# 4041
Delta R.T. 0.018 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

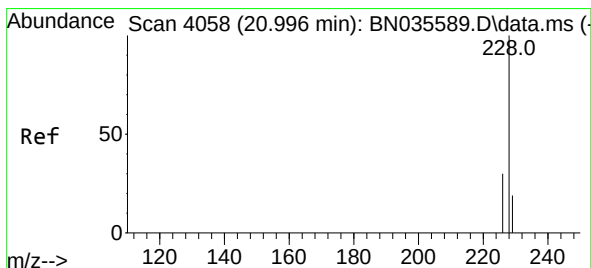
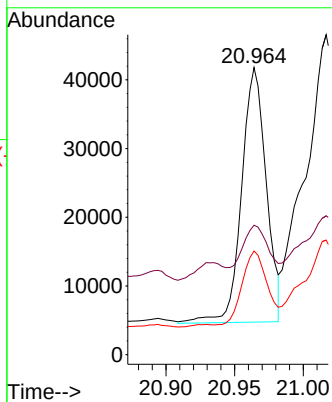
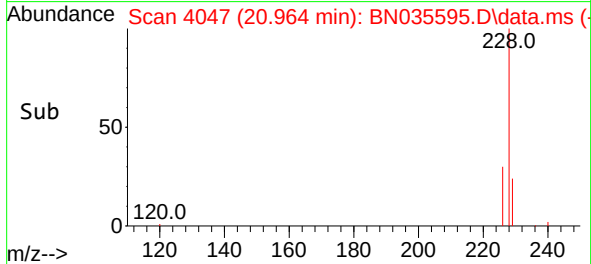
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



Tgt Ion:228 Resp: 46195
Ion Ratio Lower Upper
228 100
229 45.1 15.8 23.8
226 36.1 21.8 32.8

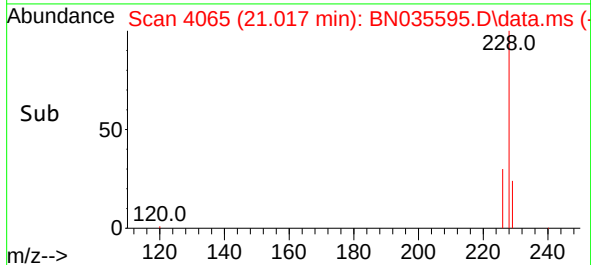
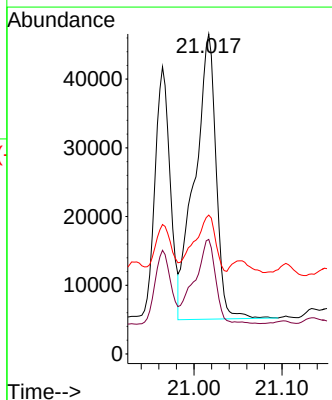
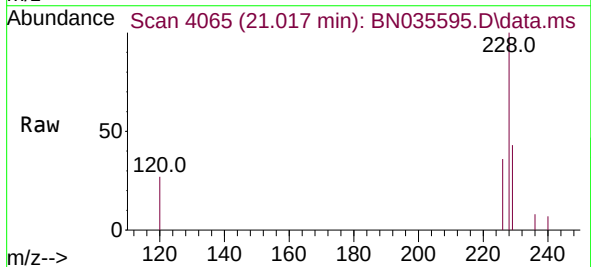
Manual Integrations
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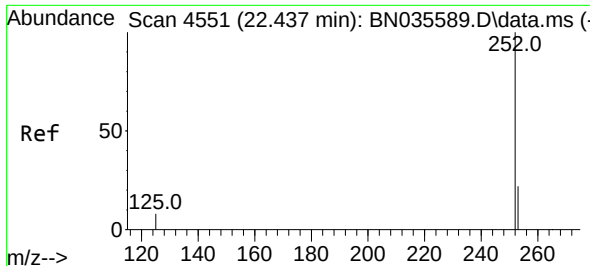
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#22
Chrysene
Concen: 3.855 ng/ul
RT: 21.017 min Scan# 4065
Delta R.T. 0.020 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

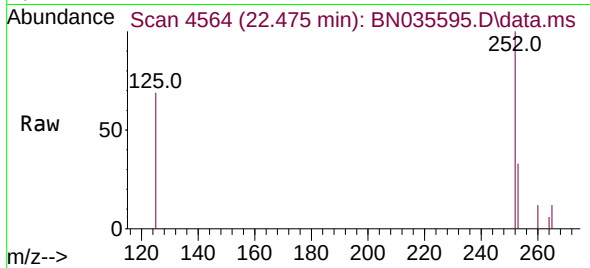
Tgt Ion:228 Resp: 69697
Ion Ratio Lower Upper
228 100
226 35.8 24.7 37.1
229 43.4 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 4.127 ng/ul m
RT: 22.475 min Scan# 4564
Delta R.T. 0.035 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

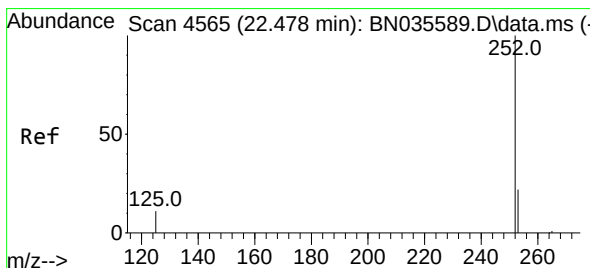
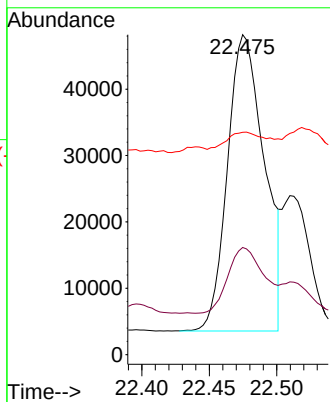
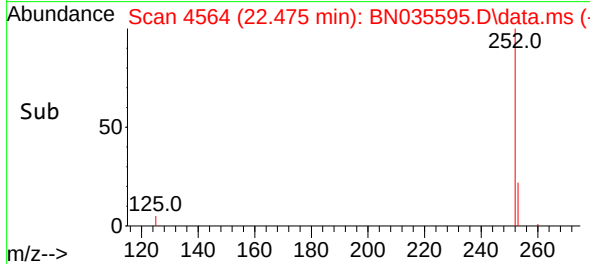
Instrument :
BNA_N
ClientSampleId :
E28Q4MS



Tgt Ion:252 Resp: 8491
Ion Ratio Lower Upper
252 100
253 33.5 0.0 54.0
125 69.5 0.0 19.4

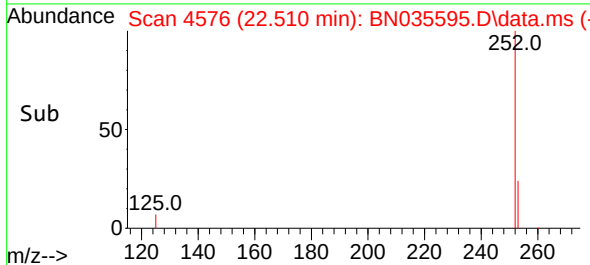
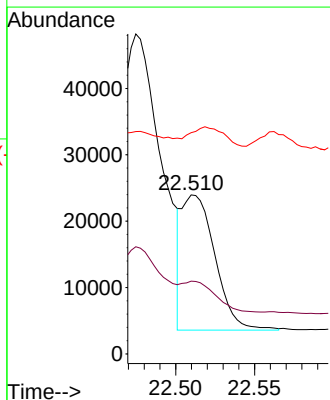
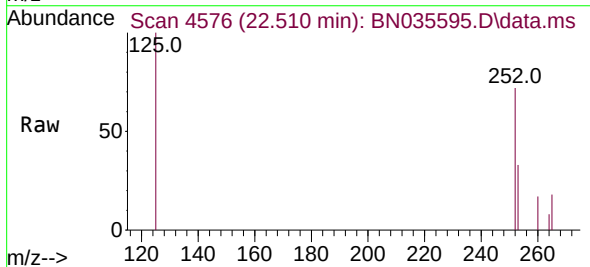
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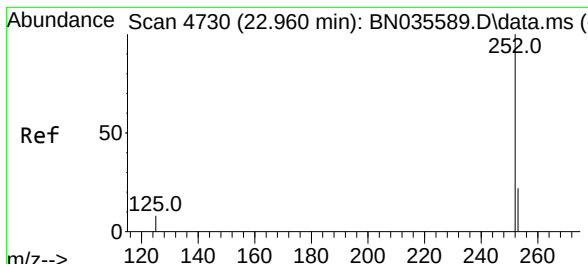
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#25
Benzo(k)fluoranthene
Concen: 1.401 ng/ul m
RT: 22.510 min Scan# 4576
Delta R.T. 0.029 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

Tgt Ion:252 Resp: 29722
Ion Ratio Lower Upper
252 100
253 45.7 21.8 32.6#
125 139.2 8.6 12.8#





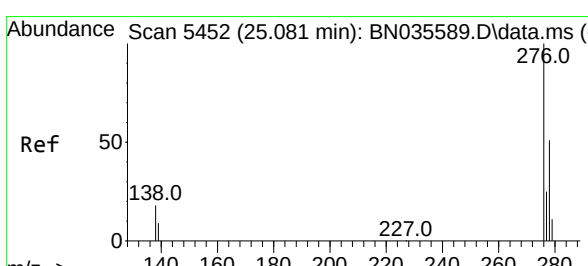
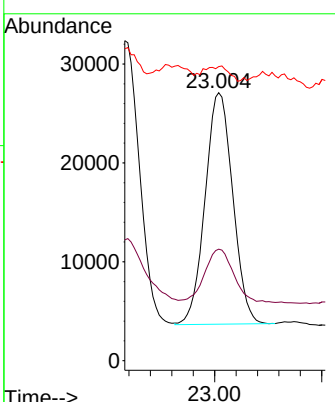
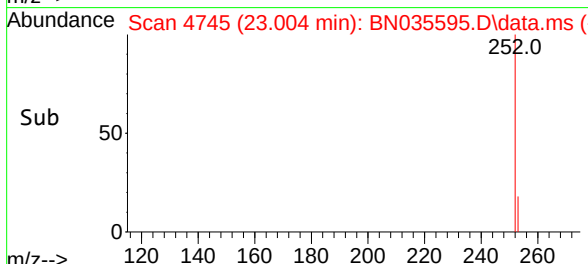
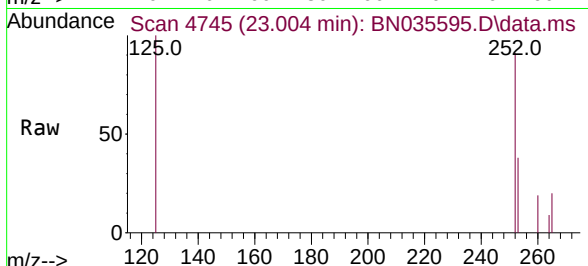
#26
 Benzo(a)pyrene
 Concen: 2.234 ng/ul
 RT: 23.004 min Scan# 41
 Delta R.T. 0.044 min
 Lab File: BN035595.D
 Acq: 13 Dec 2024 13:54

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4MS

Tgt Ion:252 Resp: 42011

Ion	Ratio	Lower	Upper
252	100		
253	41.6	22.9	34.3
125	109.7	9.4	14.2

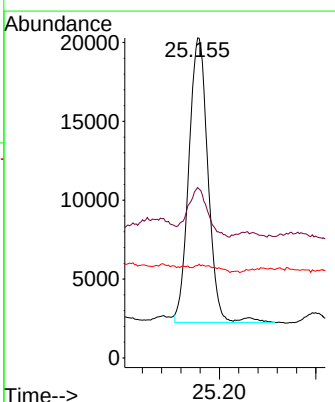
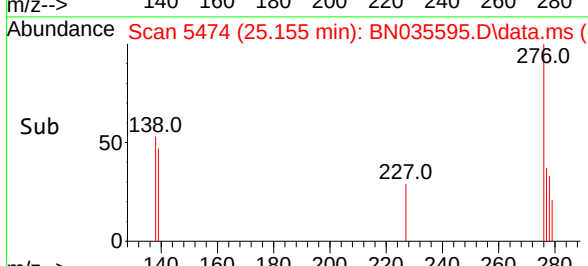
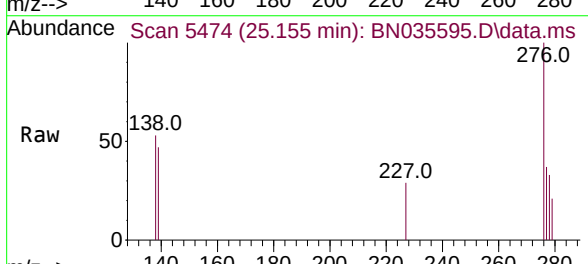
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 Supervised By :mohammad ahmed 12/14/2024

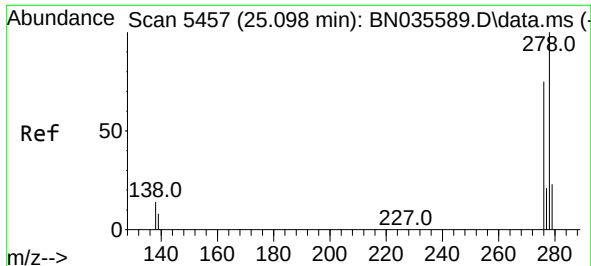


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.962 ng/ul
 RT: 25.155 min Scan# 5474
 Delta R.T. 0.074 min
 Lab File: BN035595.D
 Acq: 13 Dec 2024 13:54

Tgt Ion:276 Resp: 49822

Ion	Ratio	Lower	Upper
276	100		
138	322.8	13.8	20.8
227	0.0	0.2	0.4





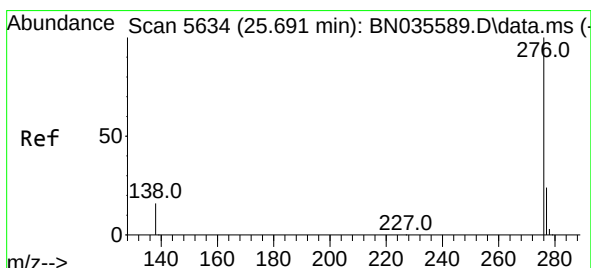
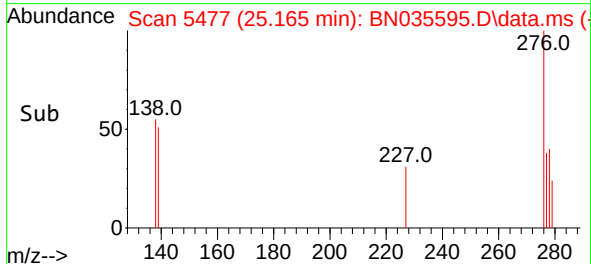
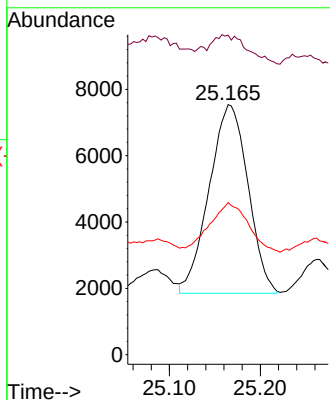
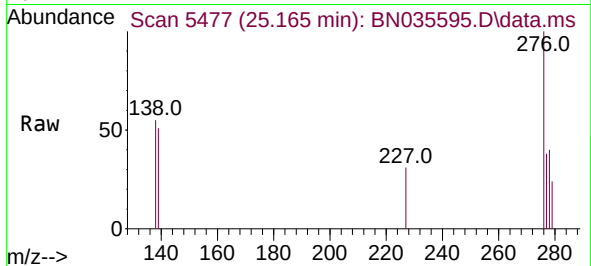
#28
Dibenzo(a,h)anthracene
Concen: 0.847 ng/ul m
RT: 25.165 min Scan# 5457
Delta R.T. 0.064 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

Instrument :
BNA_N
ClientSampleId :
E28Q4MS

Tgt Ion:278 Resp: 1685
Ion Ratio Lower Upper
278 100
139 127.8 10.7 16.1#
279 60.9 22.8 34.2#

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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: 3.061 ng/ul
RT: 25.778 min Scan# 5660
Delta R.T. 0.087 min
Lab File: BN035595.D
Acq: 13 Dec 2024 13:54

Tgt Ion:276 Resp: 61305
Ion Ratio Lower Upper
276 100
138 43.3 13.0 19.6#
277 33.6 20.5 30.7#

