

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
 Data File : BN035581.D
 Acq On : 12 Dec 2024 12:54
 Operator : RC/JU
 Sample : P5153-06DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28P4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 13:31:27 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	7.284	152	3311	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	9459	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.949	164	6426	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	13741	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.964	240	10688	0.400	ng/ul	# 0.00
23) Perylene-d12	23.057	264	9720m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	2116	0.699	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	641	0.046	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	2256	0.077	ng/ul	0.00
Target Compounds						
					Qvalue	
7) 2-Methylnaphthalene	11.714	142	668	0.040	ng/ul	96
8) 1-Methylnaphthalene	11.939	142	508	0.030	ng/ul	91
11) Acenaphthene	14.009	153	2682	0.138	ng/ul	98
12) Fluorene	15.013	166	3397	0.148	ng/ul#	97
15) Phenanthrene	16.755	178	37948	1.045	ng/ul	99
16) Anthracene	16.848	178	9788	0.290	ng/ul#	95
19) Fluoranthene	18.800	202	42353	1.138	ng/ul	98
20) Pyrene	19.167	202	32503	0.839	ng/ul	97
21) Benzo(a)anthracene	20.950	228	13150	0.355	ng/ul#	92
22) Chrysene	20.999	228	13712	0.367	ng/ul#	90
24) Benzo(b)fluoranthene	22.446	252	12826m	0.399	ng/ul	
25) Benzo(k)fluoranthene	22.484	252	5354m	0.162	ng/ul	
26) Benzo(a)pyrene	22.966	252	9503	0.324	ng/ul#	71
27) Indeno(1,2,3-cd)pyrene	25.088	276	4534m	0.114	ng/ul	
29) Benzo(g,h,i)perylene	25.701	276	4679	0.150	ng/ul#	84

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

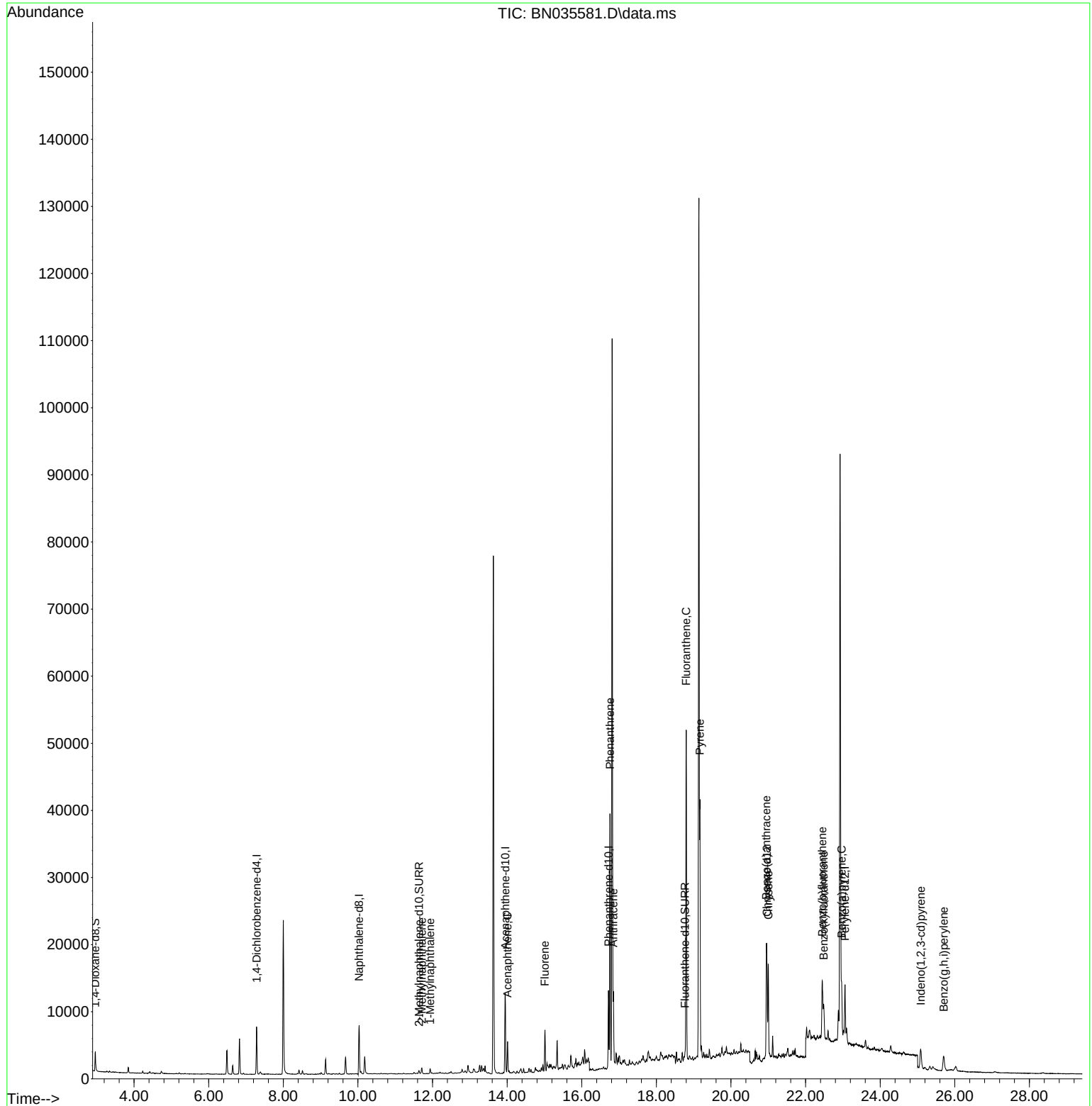
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035581.D
Acq On : 12 Dec 2024 12:54
Operator : RC/JU
Sample : P5153-06DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

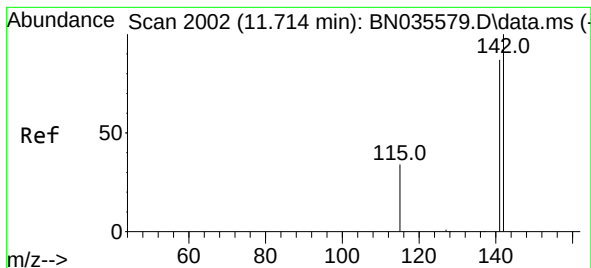
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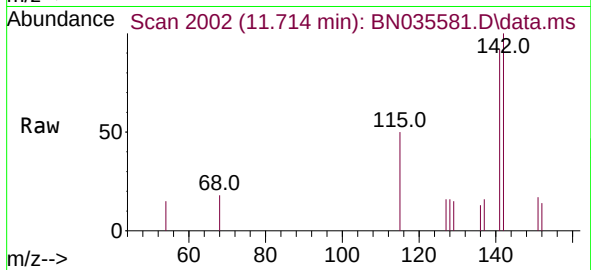
Quant Time: Dec 12 13:31:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration





#7
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 11.714 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

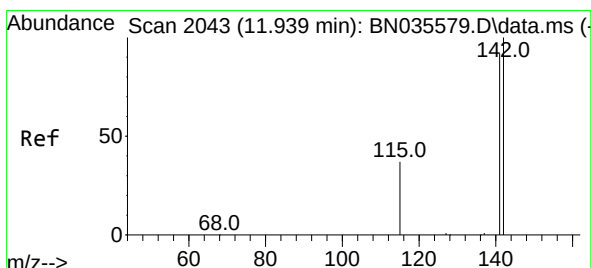
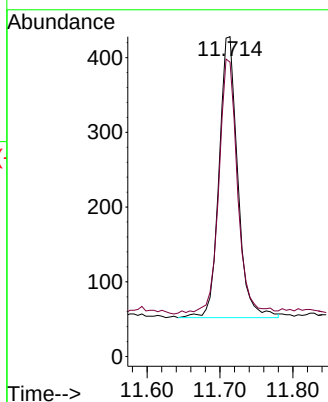
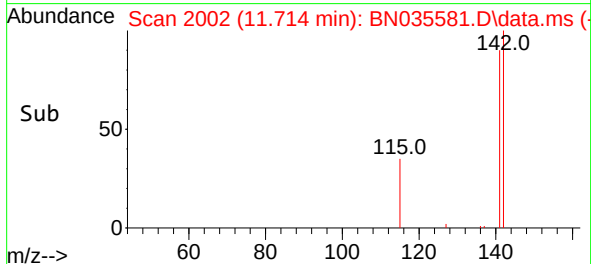
Instrument :
BNA_N
ClientSampleId :
E28P4DL



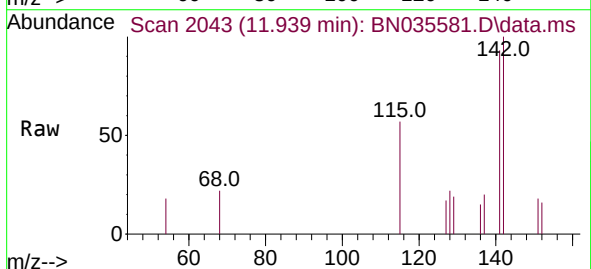
Tgt Ion:142 Resp: 668
Ion Ratio Lower Upper
142 100
141 91.3 70.4 105.6

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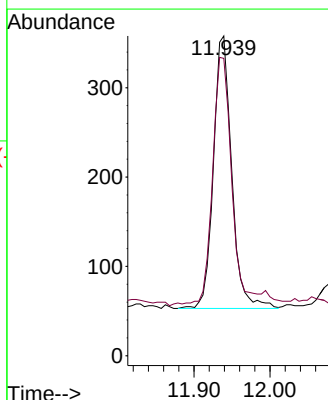
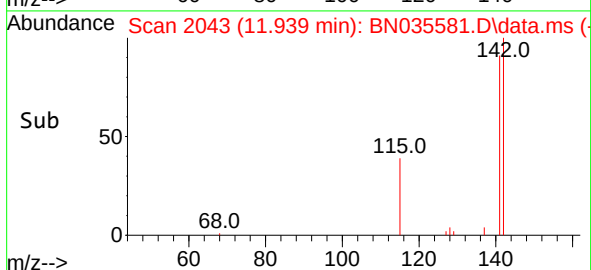
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

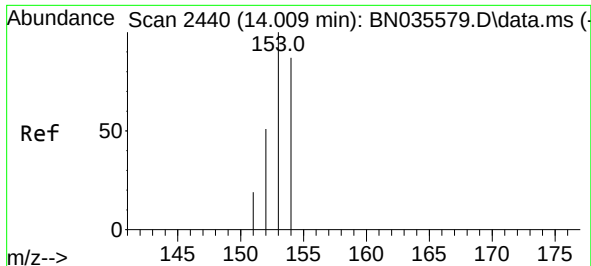


#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 11.939 min Scan# 2043
Delta R.T. -0.005 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54



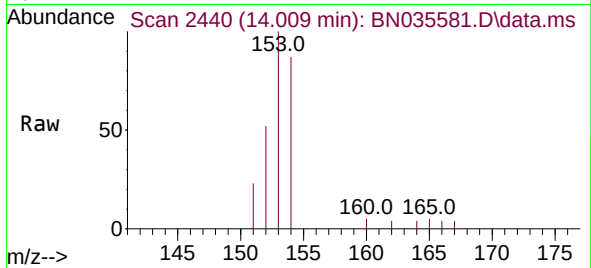
Tgt Ion:142 Resp: 508
Ion Ratio Lower Upper
142 100
141 99.6 73.1 109.7





#11
Acenaphthene
Concen: 0.138 ng/ul
RT: 14.009 min Scan# 2440
Delta R.T. -0.004 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

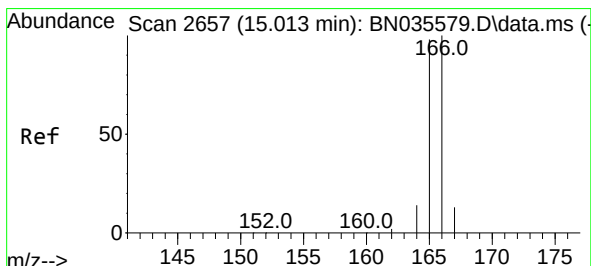
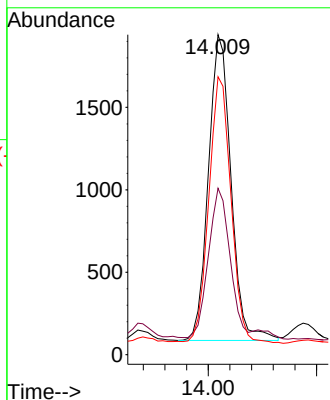
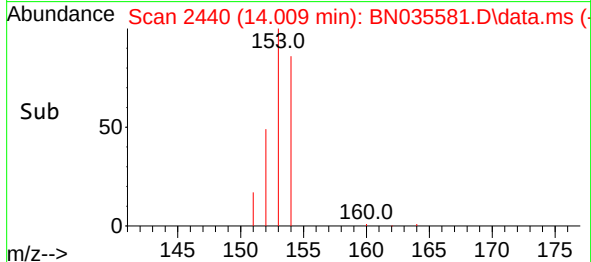
Instrument :
BNA_N
ClientSampleId :
E28P4DL



Tgt Ion:153 Resp: 2682
Ion Ratio Lower Upper
153 100
152 52.0 41.4 62.0
154 86.9 71.2 106.8

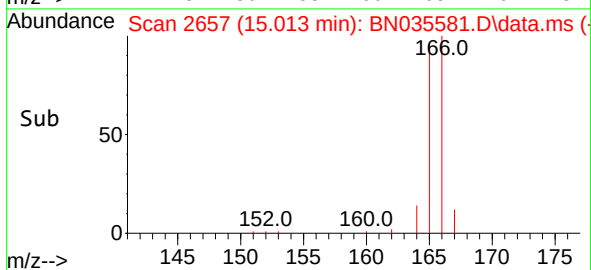
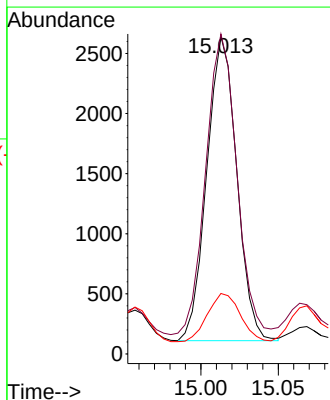
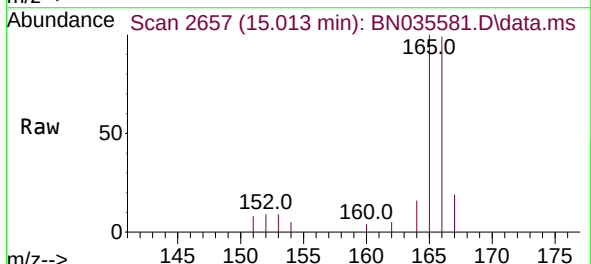
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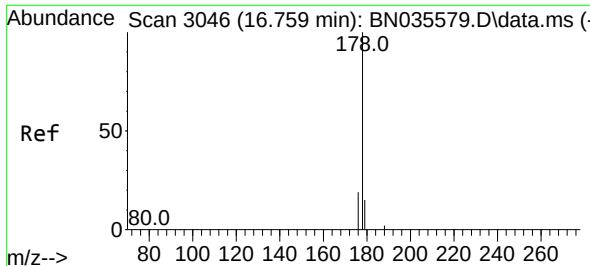
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#12
Fluorene
Concen: 0.148 ng/ul
RT: 15.013 min Scan# 2657
Delta R.T. -0.004 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

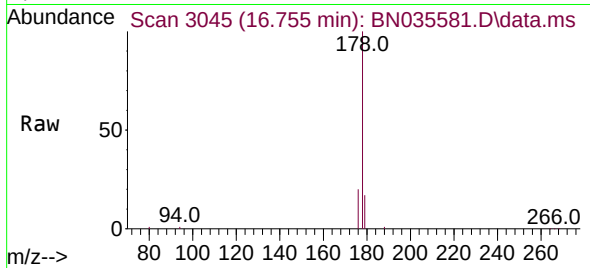
Tgt Ion:166 Resp: 3397
Ion Ratio Lower Upper
166 100
165 100.7 78.6 118.0
167 19.0 11.8 17.6#





#15
Phenanthrene
Concen: 1.045 ng/ul
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

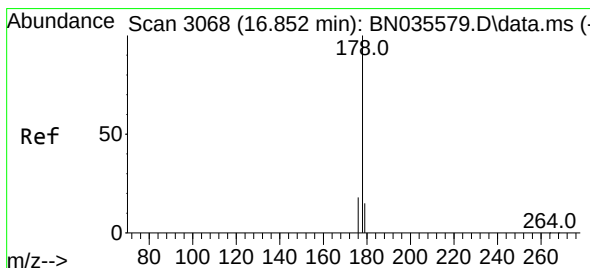
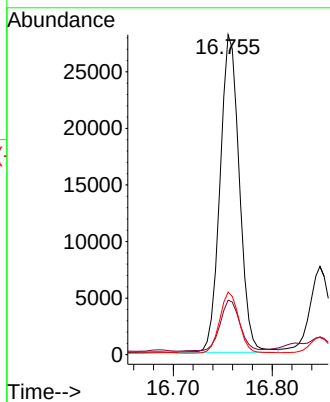
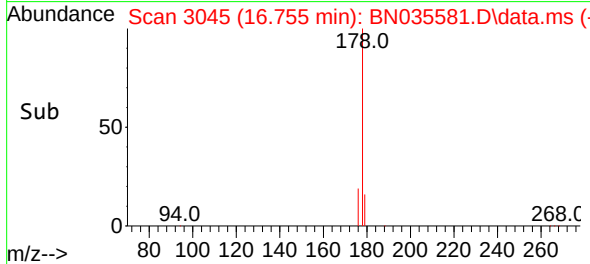
Instrument :
BNA_N
ClientSampleId :
E28P4DL



Tgt Ion:178 Resp: 3794
Ion Ratio Lower Upper
178 100
179 17.0 12.9 19.3
176 19.5 15.6 23.4

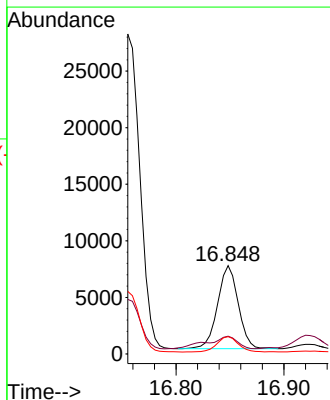
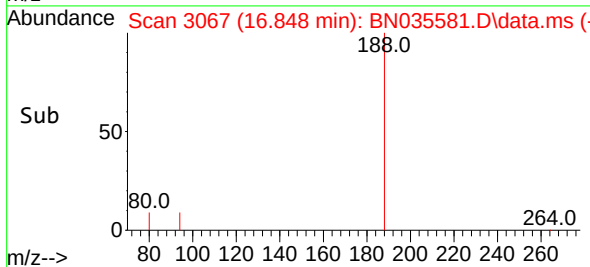
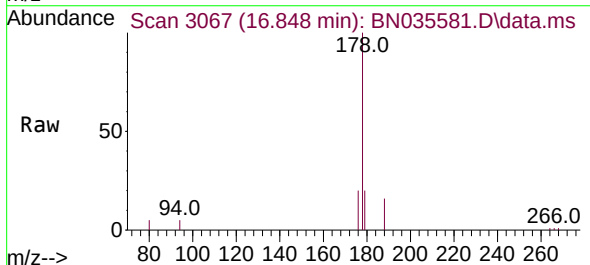
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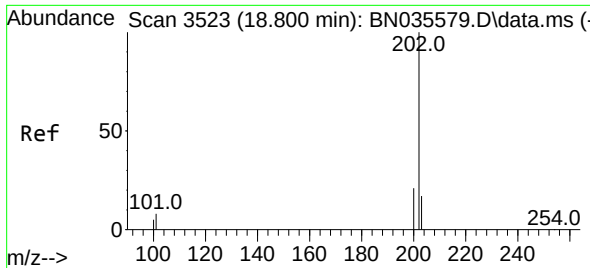
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#16
Anthracene
Concen: 0.290 ng/ul
RT: 16.848 min Scan# 3067
Delta R.T. 0.000 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

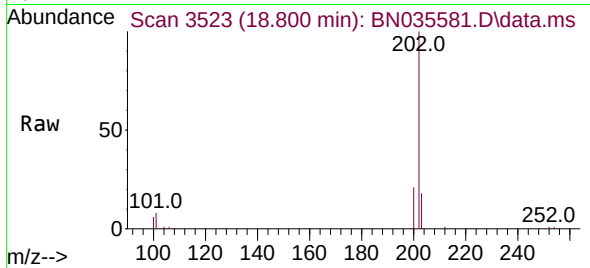
Tgt Ion:178 Resp: 9788
Ion Ratio Lower Upper
178 100
179 20.1 12.9 19.3#
176 19.6 15.4 23.2





#19
Fluoranthene
Concen: 1.138 ng/u1
RT: 18.800 min Scan# 3523
Delta R.T. 0.000 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

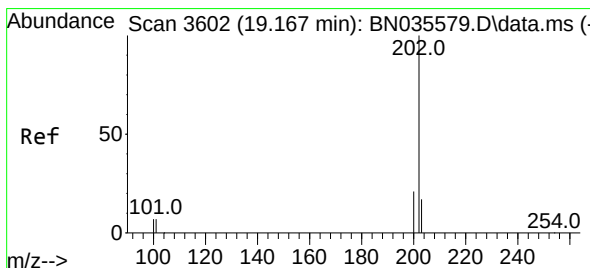
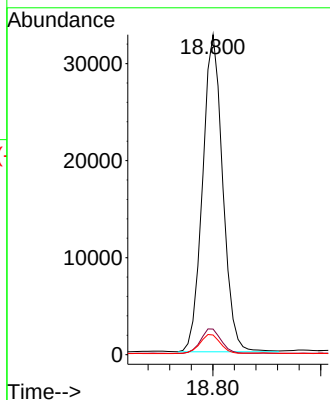
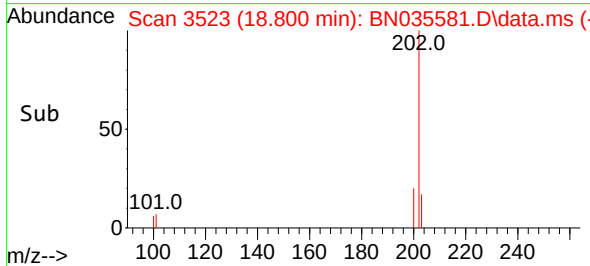
Instrument :
BNA_N
ClientSampleId :
E28P4DL



Tgt Ion:202 Resp: 4235
Ion Ratio Lower Upper
202 100
101 8.0 5.8 8.6
100 6.1 4.5 6.7

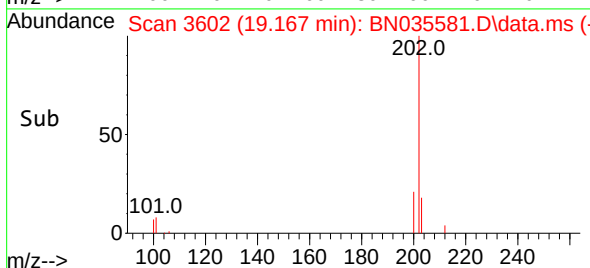
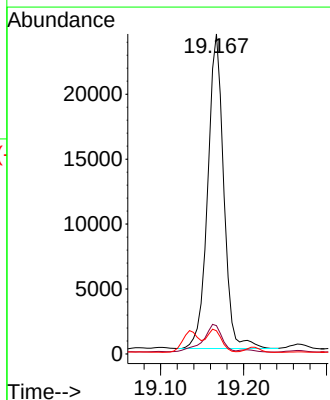
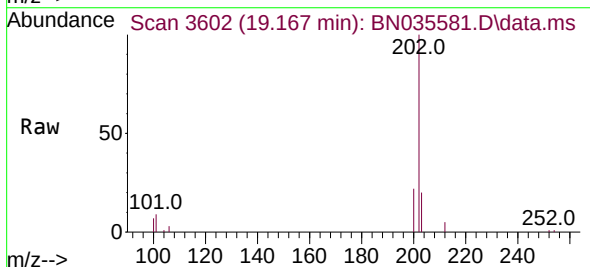
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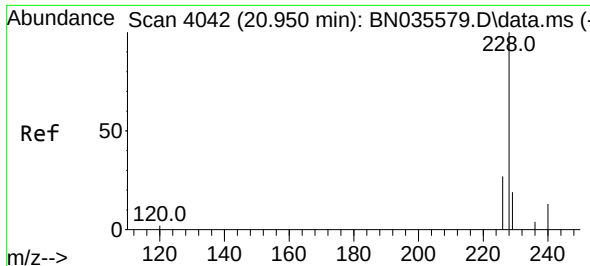
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#20
Pyrene
Concen: 0.839 ng/u1
RT: 19.167 min Scan# 3602
Delta R.T. 0.000 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

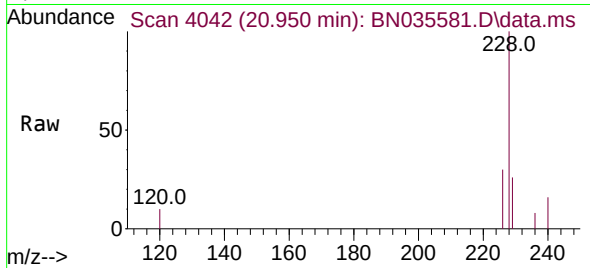
Tgt Ion:202 Resp: 32503
Ion Ratio Lower Upper
202 100
101 8.9 6.2 9.4
100 7.3 5.1 7.7





#21
Benzo(a)anthracene
Concen: 0.355 ng/u1
RT: 20.950 min Scan# 4042
Delta R.T. 0.003 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

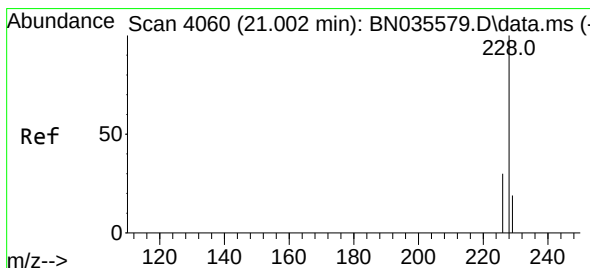
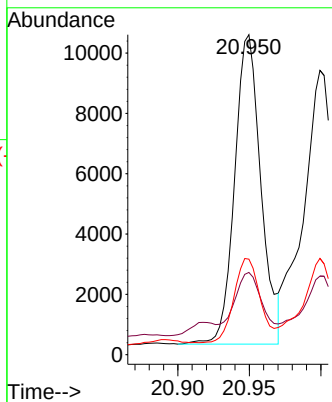
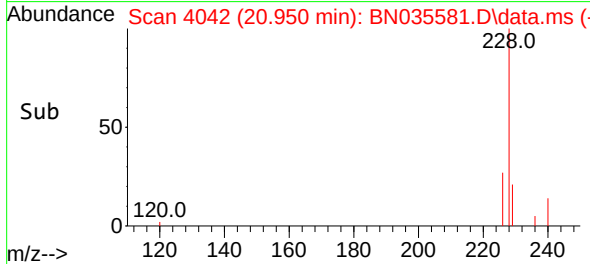
Instrument :
BNA_N
ClientSampleId :
E28P4DL



Tgt Ion:228 Resp: 13150
Ion Ratio Lower Upper
228 100
229 25.7 15.8 23.8
226 29.9 21.8 32.8

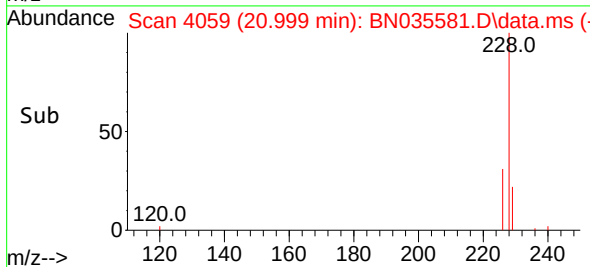
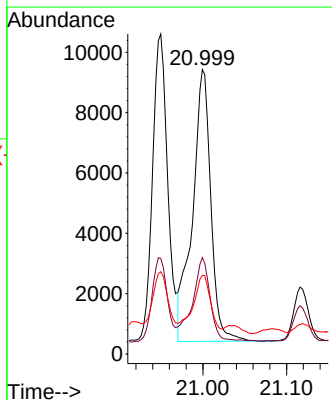
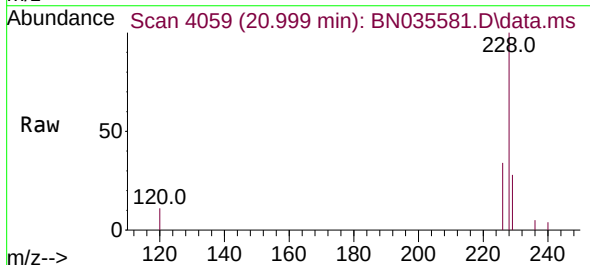
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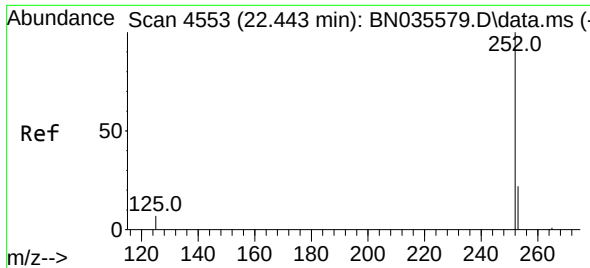
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#22
Chrysene
Concen: 0.367 ng/u1
RT: 20.999 min Scan# 4059
Delta R.T. 0.003 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

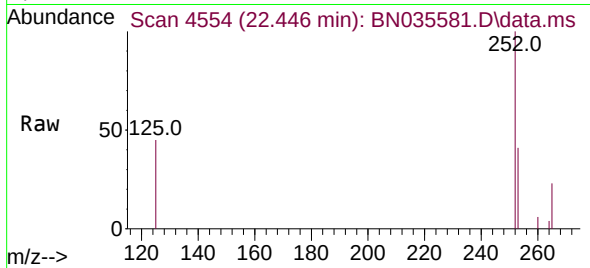
Tgt Ion:228 Resp: 13712
Ion Ratio Lower Upper
228 100
226 33.9 24.7 37.1
229 27.6 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.399 ng/ul m
RT: 22.446 min Scan# 4554
Delta R.T. 0.006 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

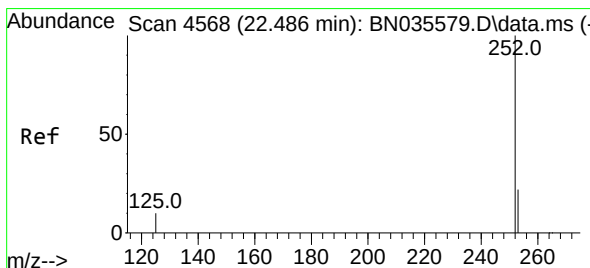
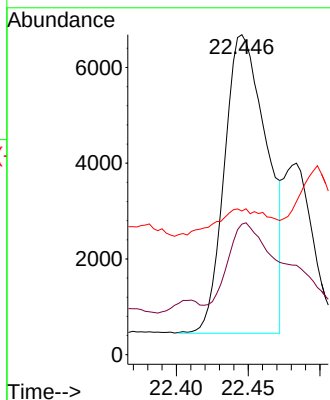
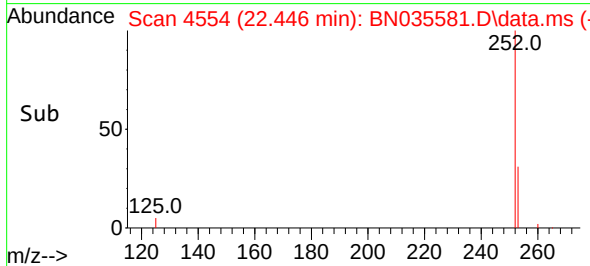
Instrument :
BNA_N
ClientSampleId :
E28P4DL



Tgt Ion:252 Resp: 12820
Ion Ratio Lower Upper
252 100
253 40.8 0.0 54.0
125 44.9 0.0 19.4

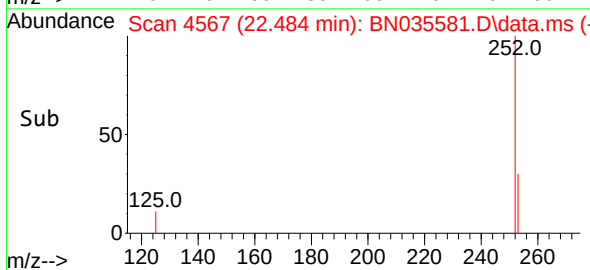
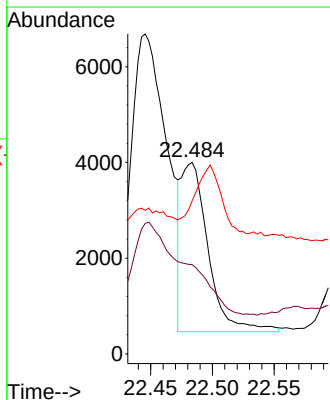
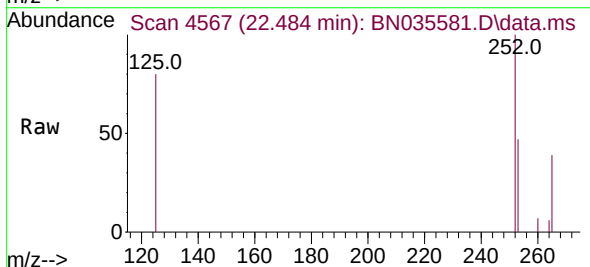
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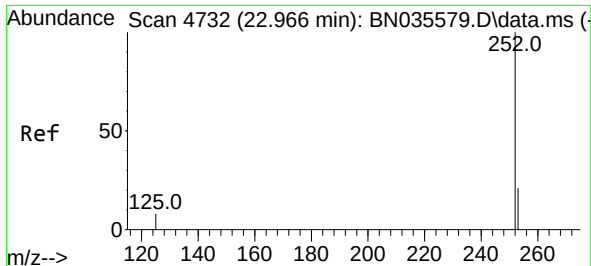
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#25
Benzo(k)fluoranthene
Concen: 0.162 ng/ul m
RT: 22.484 min Scan# 4567
Delta R.T. 0.003 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

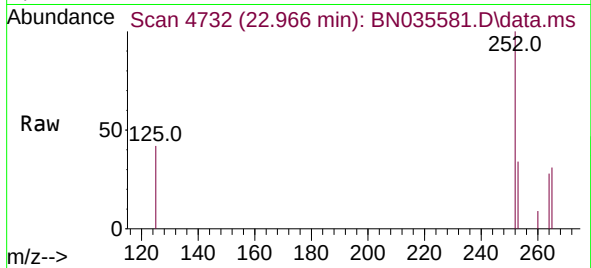
Tgt Ion:252 Resp: 5354
Ion Ratio Lower Upper
252 100
253 46.7 21.8 32.6#
125 79.9 8.6 12.8#





#26
Benzo(a)pyrene
Concen: 0.324 ng/u1
RT: 22.966 min Scan# 41
Delta R.T. 0.006 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54

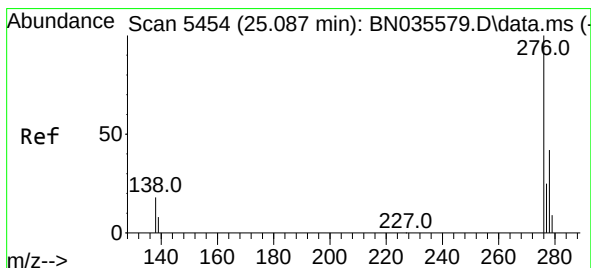
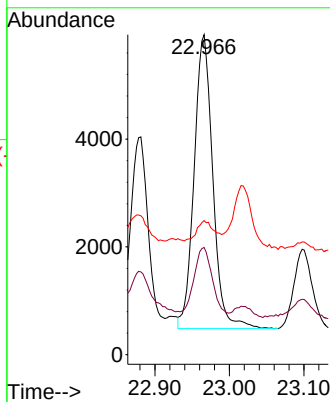
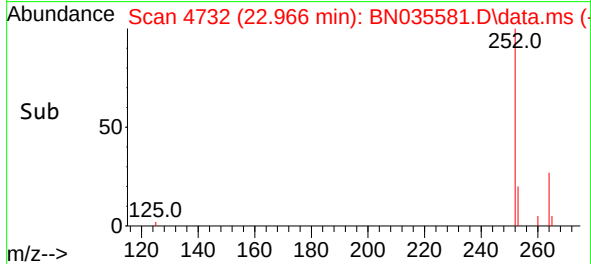
Instrument :
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ClientSampleId :
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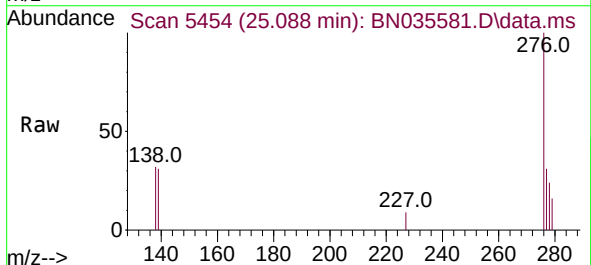
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Ion Ratio Lower Upper
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125 41.9 9.4 14.2

Manual Integrations
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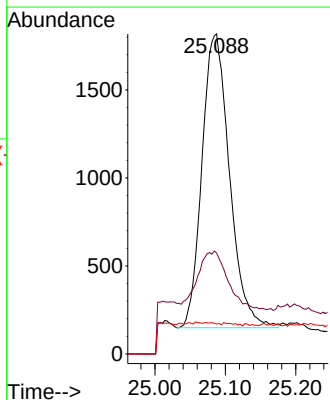
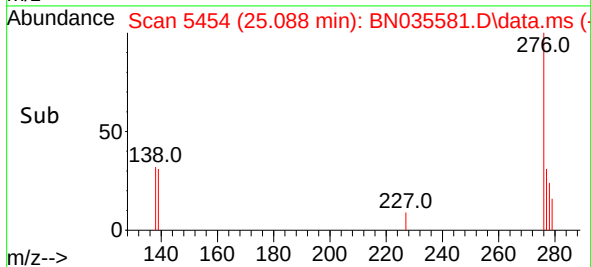
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

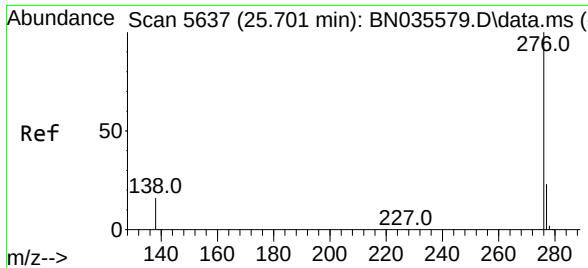


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.114 ng/u1 m
RT: 25.088 min Scan# 5454
Delta R.T. 0.007 min
Lab File: BN035581.D
Acq: 12 Dec 2024 12:54



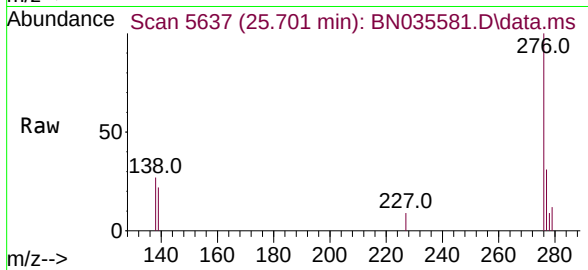
Tgt Ion:276 Resp: 4534
Ion Ratio Lower Upper
276 100
138 26.7 13.8 20.8#
227 0.0 0.2 0.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.150 ng/ul
 RT: 25.701 min Scan# 50
 Delta R.T. 0.010 min
 Lab File: BN035581.D
 Acq: 12 Dec 2024 12:54

Instrument :
 BNA_N
 ClientSampleId :
 E28P4DL



Tgt Ion: 276 Resp: 4679

Ion	Ratio	Lower	Upper
276	100		
138	26.9	13.0	19.6
277	30.7	20.5	30.7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

