

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022625\
 Data File : BN036511.D
 Acq On : 26 Feb 2025 15:31
 Operator : RC/JU
 Sample : Q1423-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-192-EB-20250221

Quant Time: Feb 26 15:55:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/27/2025
 Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	2561	0.400	ng	-0.01
7) Naphthalene-d8	10.530	136	5724	0.400	ng	-0.01
13) Acenaphthene-d10	14.377	164	3696	0.400	ng	-0.01
19) Phenanthrene-d10	17.124	188	7691	0.400	ng	-0.01
29) Chrysene-d12	21.313	240	5768	0.400	ng	0.00
35) Perylene-d12	23.578	264	5083	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	957	0.158	ng	-0.01
5) Phenol-d6	6.923	99	596	0.084	ng	-0.01
8) Nitrobenzene-d5	8.897	82	2065	0.366	ng	-0.01
11) 2-Methylnaphthalene-d10	12.121	152	3255	0.370	ng	-0.02
14) 2,4,6-Tribromophenol	15.882	330	623	0.340	ng	0.00
15) 2-Fluorobiphenyl	13.003	172	6877	0.495	ng	-0.02
27) Fluoranthene-d10	19.155	212	9001	0.421	ng	-0.01
31) Terphenyl-d14	19.754	244	7770	0.631	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.584	128	434	0.026	ng	# 55
12) 2-Methylnaphthalene	12.197	142	240	0.022	ng	# 82
16) Acenaphthylene	14.099	152	415	0.025	ng	# 91
17) Acenaphthene	14.441	154	256	0.023	ng	98
18) Fluorene	15.435	166	446	0.029	ng	# 96
25) Phenanthrene	17.161	178	886	0.040	ng	95
26) Anthracene	17.260	178	719	0.037	ng	97
28) Fluoranthene	19.187	202	1310	0.048	ng	# 64
30) Pyrene	19.550	202	1284	0.058	ng	99
32) Benzo(a)anthracene	21.295	228	913	0.048	ng	# 89
33) Chrysene	21.348	228	1129	0.055	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.232	149	962	0.081	ng	# 94
36) Indeno(1,2,3-cd)pyrene	25.884	276	854m	0.048	ng	
40) Dibenzo(a,h)anthracene	25.905	278	605m	0.043	ng	
41) Benzo(g,h,i)perylene	26.583	276	699	0.044	ng	# 56

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

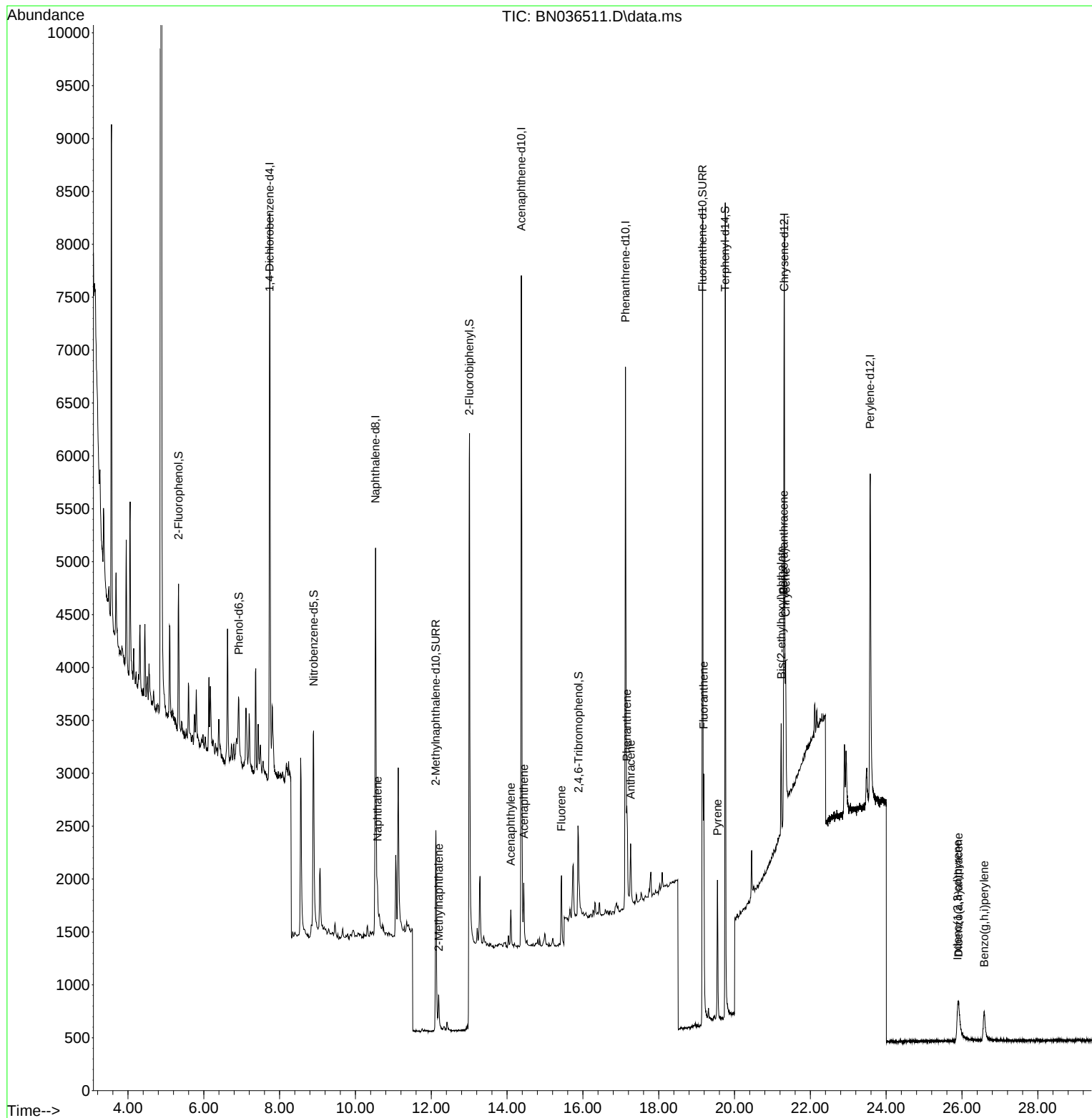
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022625\
Data File : BN036511.D
Acq On : 26 Feb 2025 15:31
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ALS Vial : 5 Sample Multiplier: 1

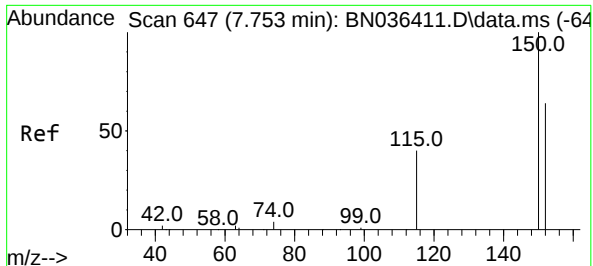
Instrument :
BNA_N
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BP-VPB-192-EB-20250221

Quant Time: Feb 26 15:55:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 11 01:17:14 2025
Response via : Initial Calibration

Manual Integrations
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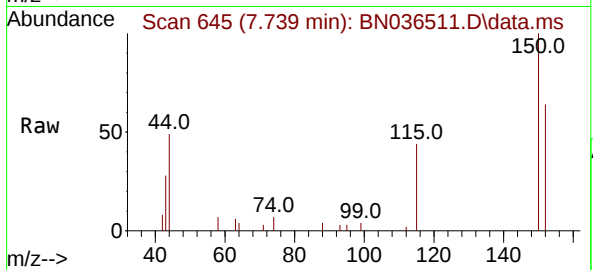
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.739 min Scan# 647
Delta R.T. -0.014 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

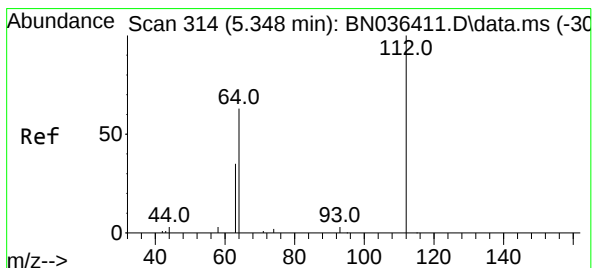
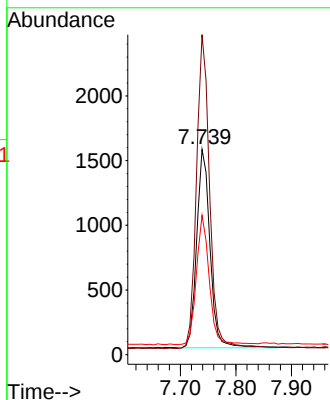
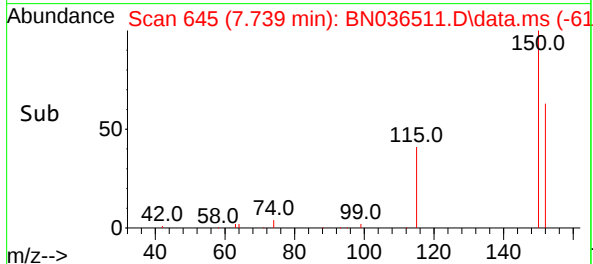
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion:152 Resp: 256
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 67.9 52.5 78.7

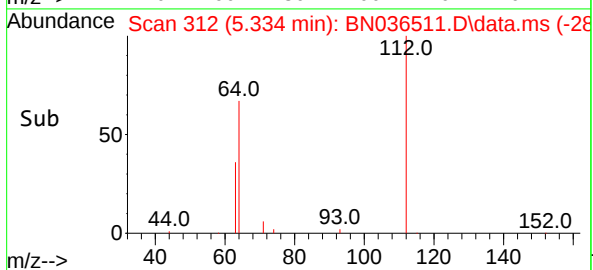
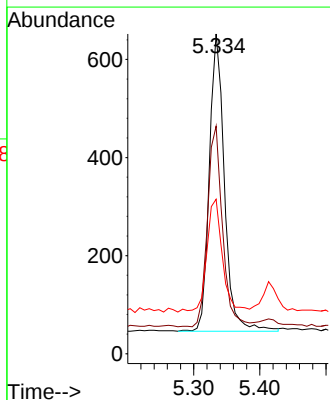
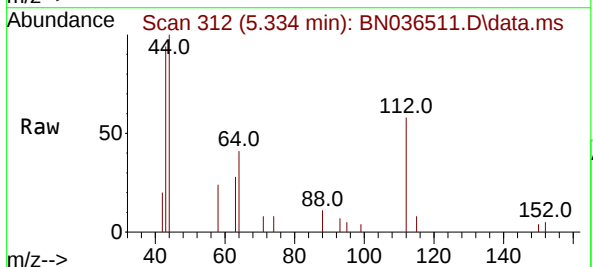
Manual Integrations
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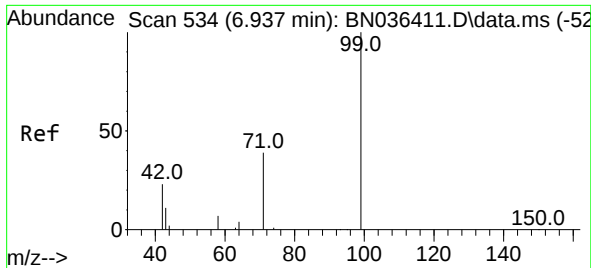
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#4
2-Fluorophenol
Concen: 0.158 ng
RT: 5.334 min Scan# 312
Delta R.T. -0.014 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

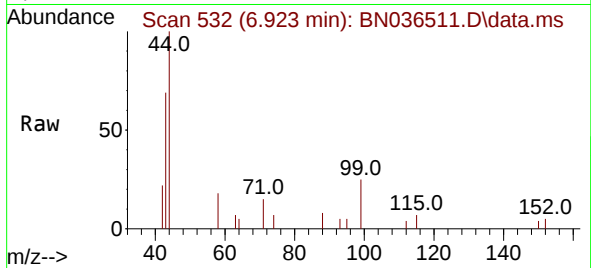
Tgt Ion:112 Resp: 957
Ion Ratio Lower Upper
112 100
64 66.5 53.4 80.0
63 39.4 30.3 45.5





#5
Phenol-d6
Concen: 0.084 ng
RT: 6.923 min Scan# 534
Delta R.T. -0.014 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

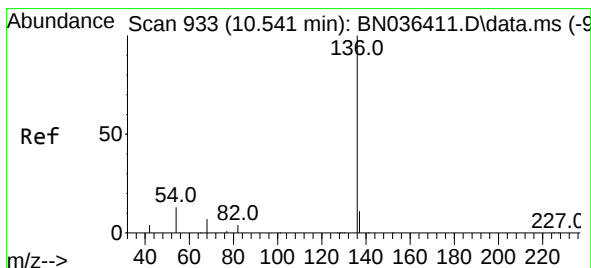
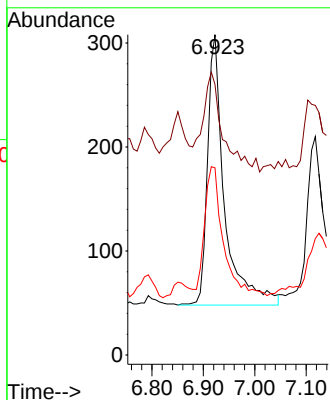
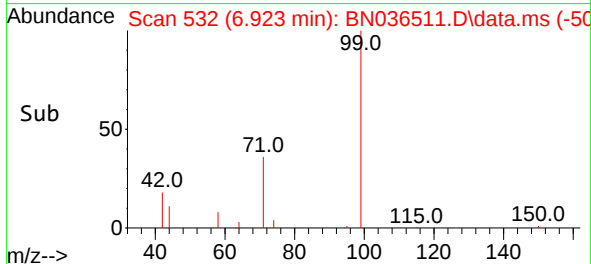
Instrument :
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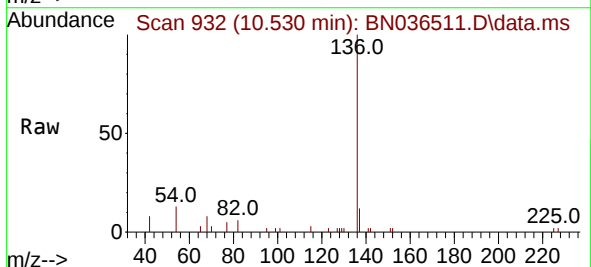
Tgt Ion: 99 Resp: 590
Ion Ratio Lower Upper
99 100
42 43.8 21.7 32.5
71 52.9 32.6 49.0

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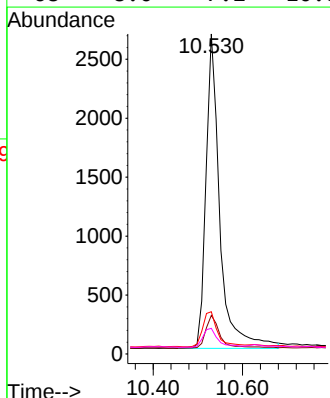
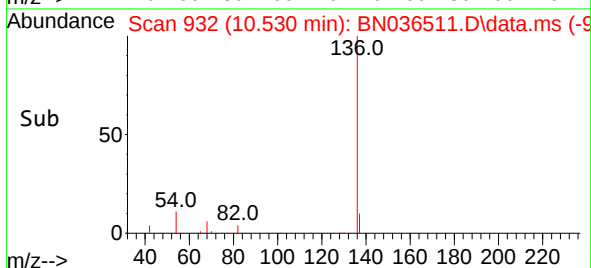
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025

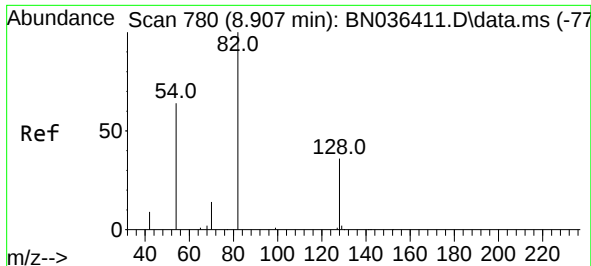


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31



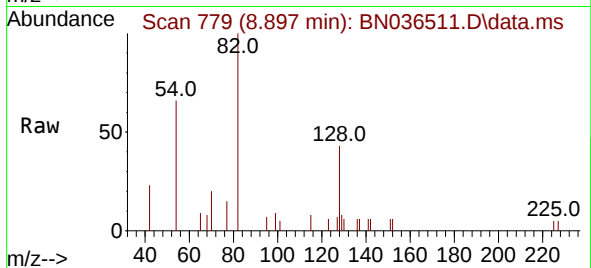
Tgt Ion:136 Resp: 5724
Ion Ratio Lower Upper
136 100
137 12.0 10.1 15.1
54 13.2 11.8 17.6
68 8.0 7.2 10.8





#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.897 min Scan# 711
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

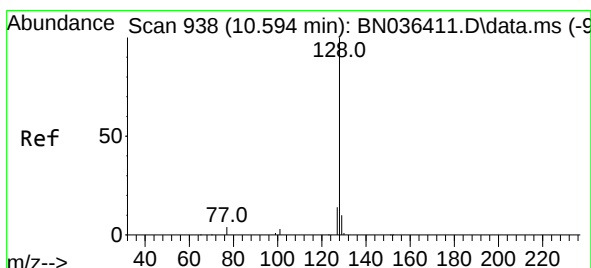
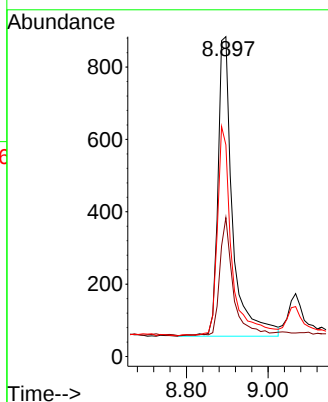
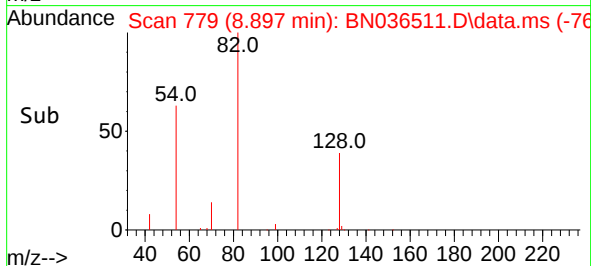
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion: 82 Resp: 206
Ion Ratio Lower Upper
82 100
128 43.4 31.9 47.9
54 66.2 53.1 79.7

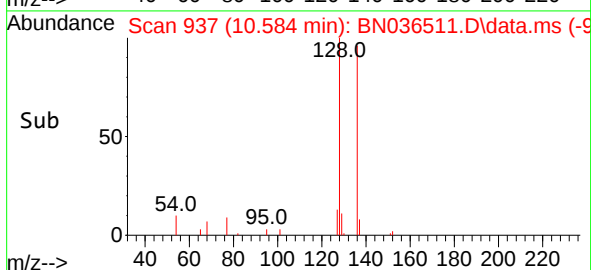
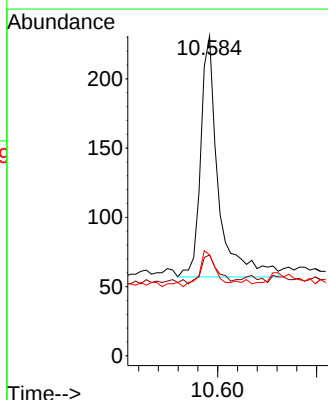
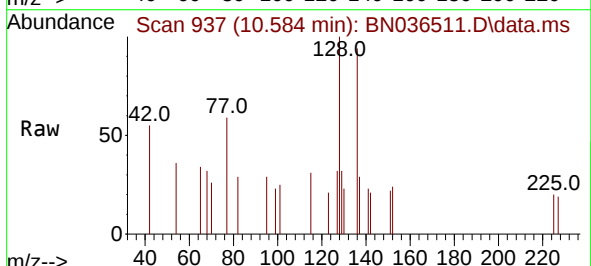
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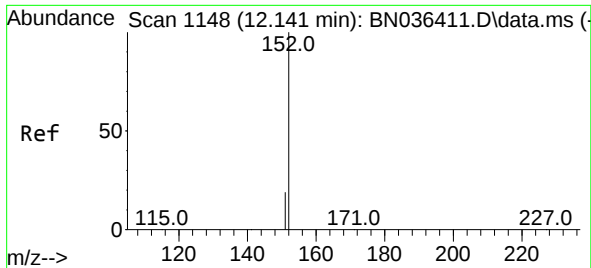
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#9
Naphthalene
Concen: 0.026 ng
RT: 10.584 min Scan# 937
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

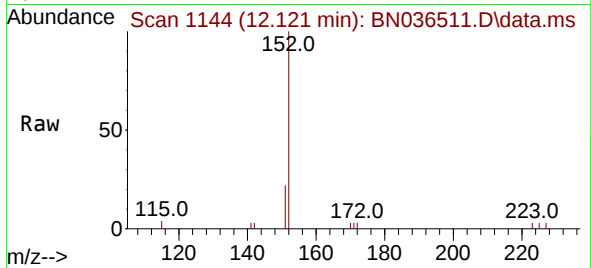
Tgt Ion:128 Resp: 434
Ion Ratio Lower Upper
128 100
129 31.6 9.6 14.4#
127 31.6 12.0 18.0#





#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.020 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

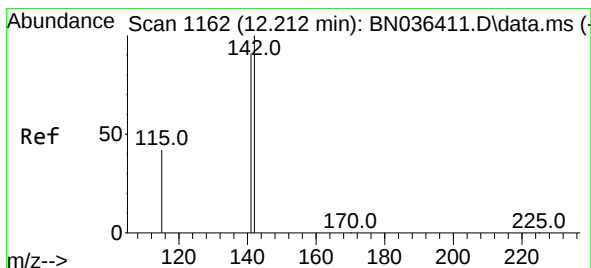
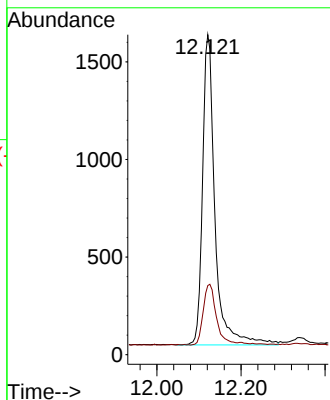
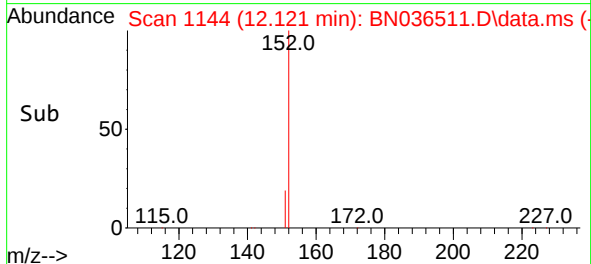
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



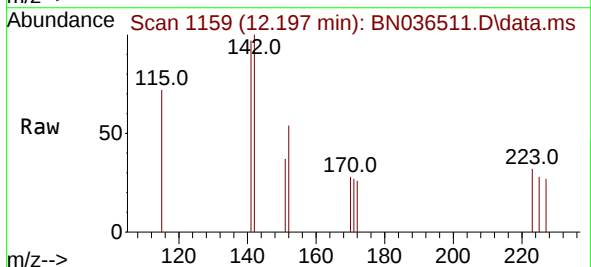
Tgt Ion:152 Resp: 325
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0

Manual Integrations
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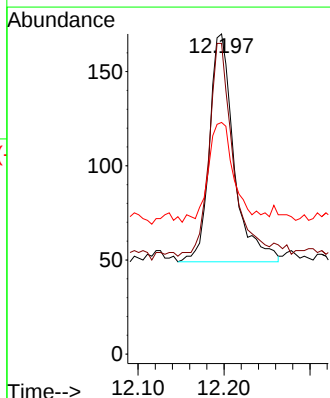
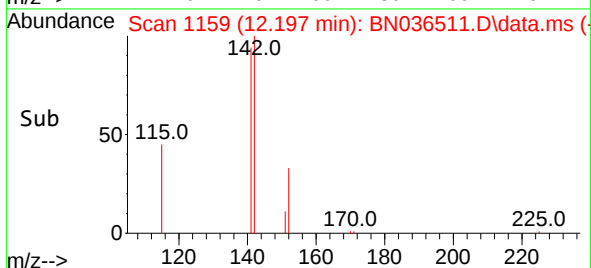
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025

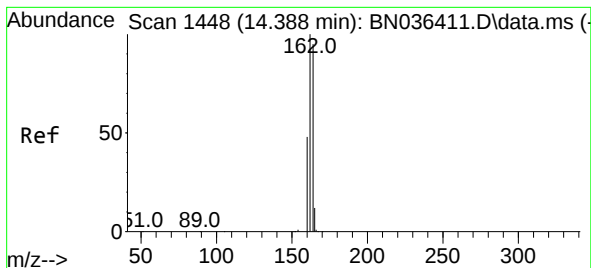


#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.015 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31



Tgt Ion:142 Resp: 240
Ion Ratio Lower Upper
142 100
141 97.1 72.8 109.2
115 72.4 35.5 53.3#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.377 min Scan# 1447

Delta R.T. -0.011 min

Lab File: BN036511.D

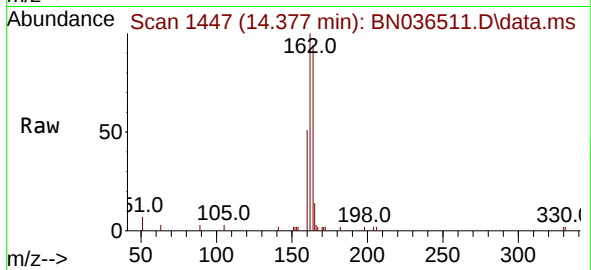
Acq: 26 Feb 2025 15:31

Instrument :

BNA_N

ClientSampleId :

BP-VPB-192-EB-20250221



Tgt Ion:164 Resp: 3690

Ion Ratio Lower Upper

164 100

162 106.5 84.1 126.1

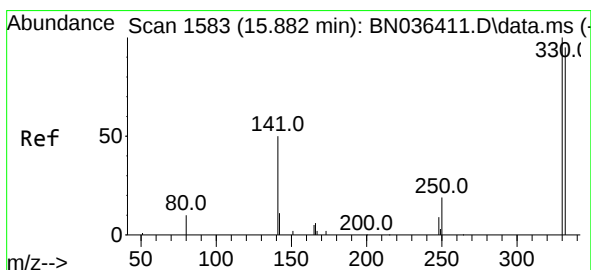
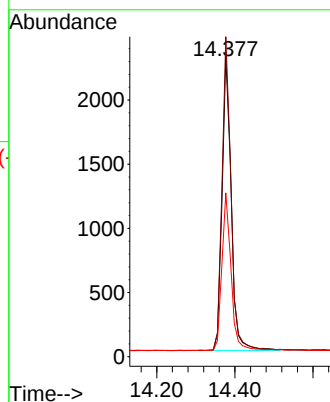
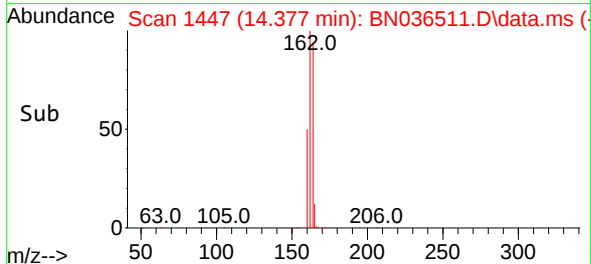
160 54.5 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/27/2025

Supervised By :mohammad ahmed 02/28/2025



#14

2,4,6-Tribromophenol

Concen: 0.340 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BN036511.D

Acq: 26 Feb 2025 15:31

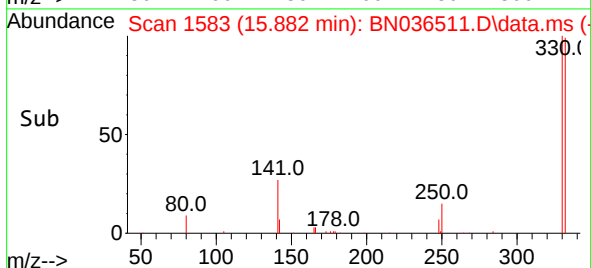
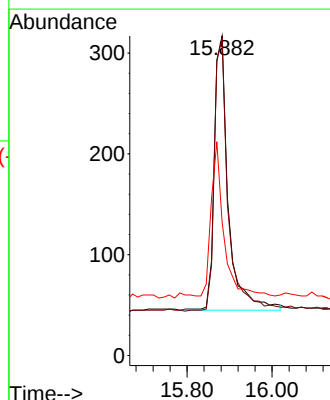
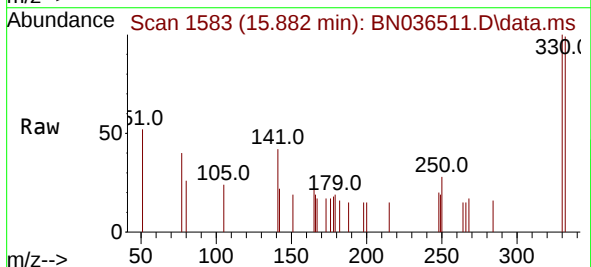
Tgt Ion:330 Resp: 623

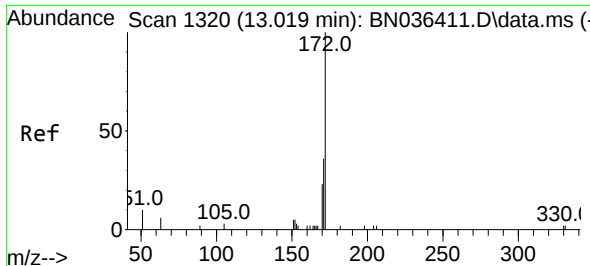
Ion Ratio Lower Upper

330 100

332 98.6 76.6 114.8

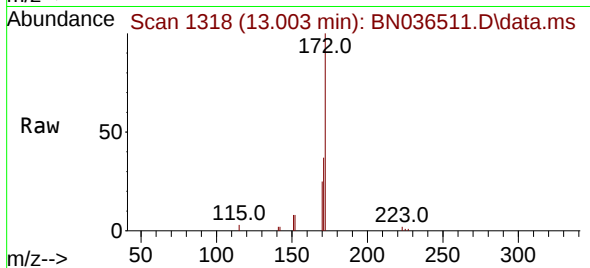
141 50.7 37.8 56.8





#15
2-Fluorobiphenyl
Concen: 0.495 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.016 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

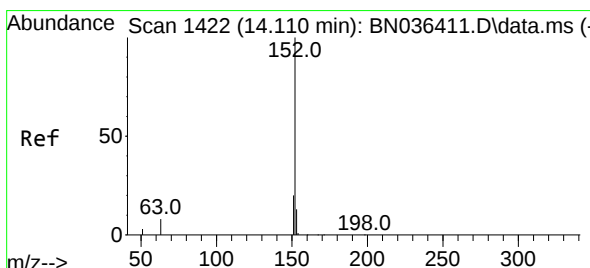
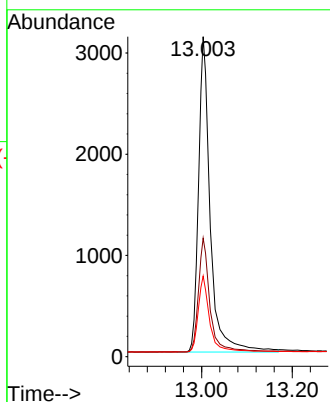
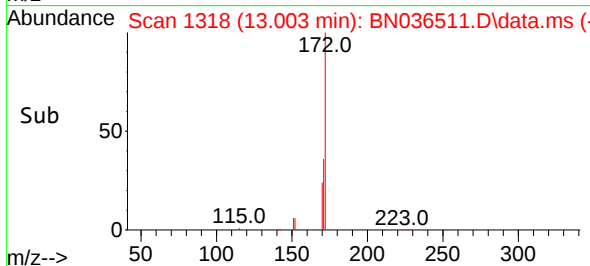
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion:172 Resp: 687
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 25.2 19.8 29.6

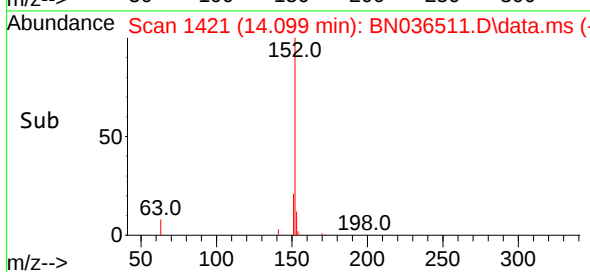
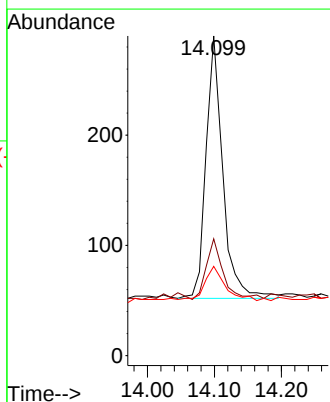
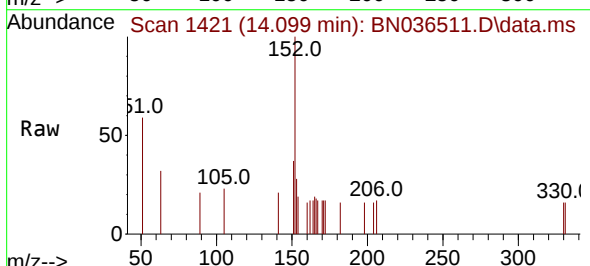
Manual Integrations
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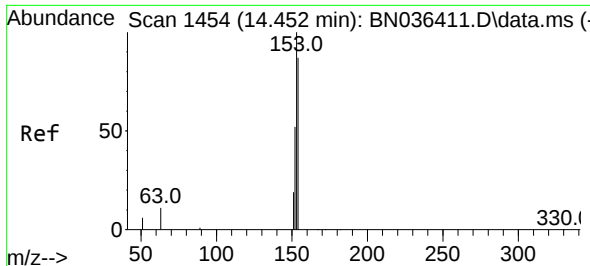
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

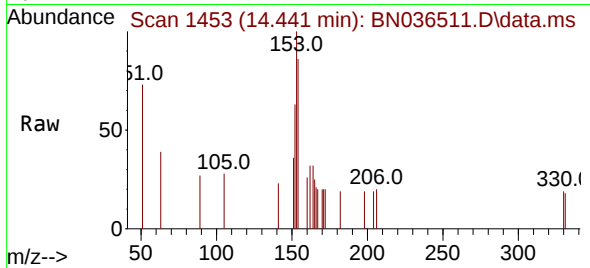
Tgt Ion:152 Resp: 415
Ion Ratio Lower Upper
152 100
151 22.7 15.8 23.8
153 17.6 10.2 15.2#





#17
Acenaphthene
Concen: 0.023 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

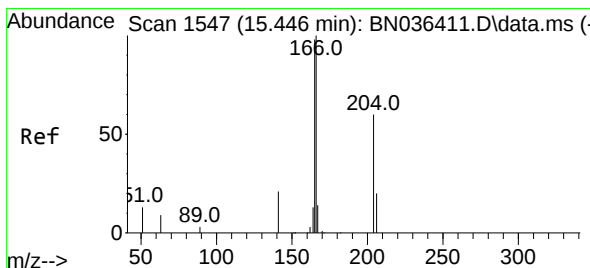
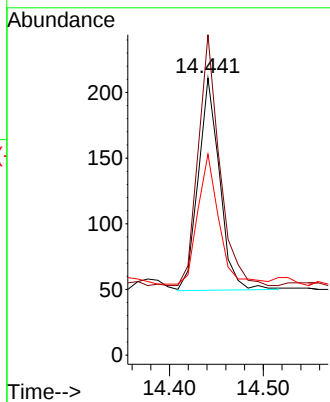
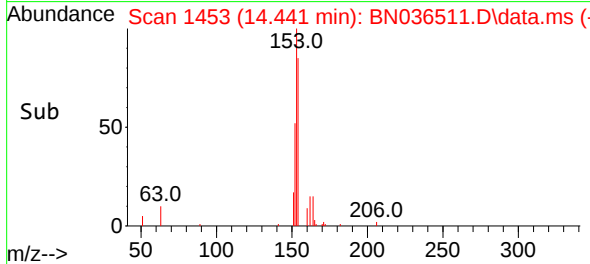
Instrument :
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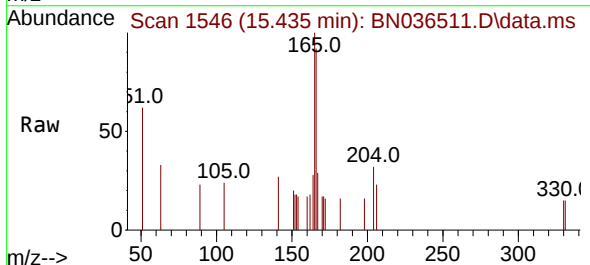
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Ion Ratio Lower Upper
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153 118.8 93.3 139.9
152 62.9 48.8 73.2

Manual Integrations
APPROVED

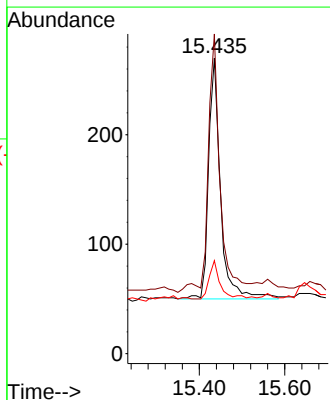
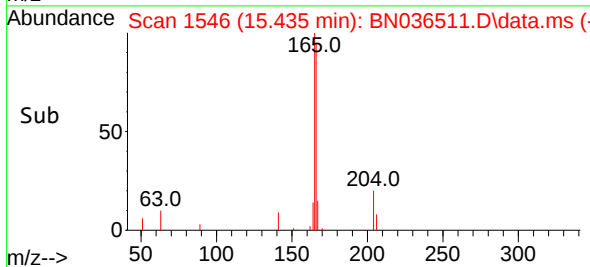
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025

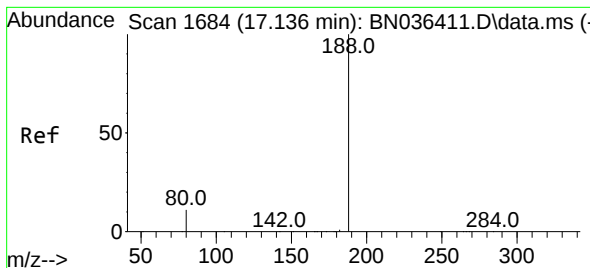


#18
Fluorene
Concen: 0.029 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31



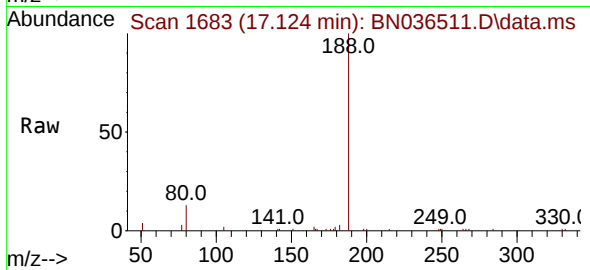
Tgt Ion:166 Resp: 446
Ion Ratio Lower Upper
166 100
165 102.9 79.5 119.3
167 15.9 10.4 15.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.012 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

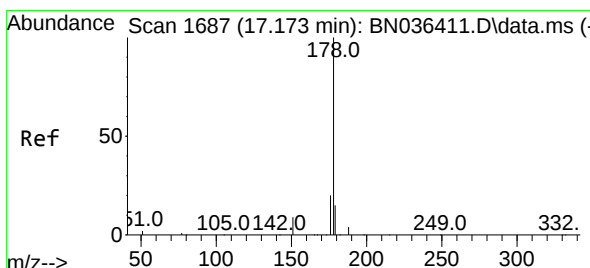
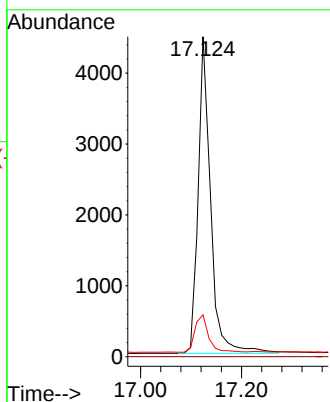
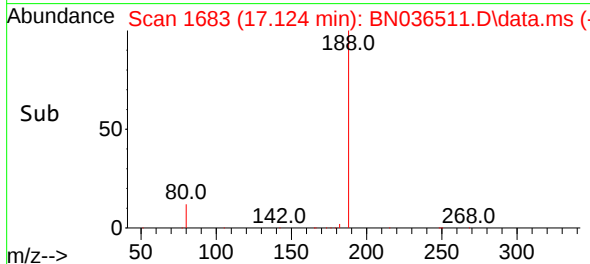
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



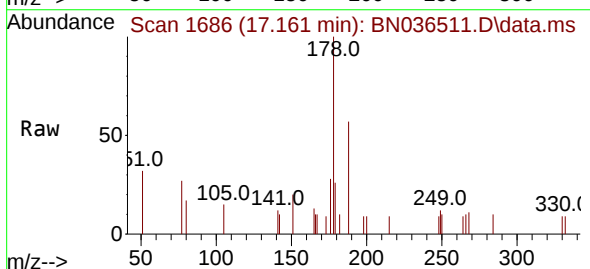
Tgt Ion:188 Resp: 769
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 9.8 14.6

Manual Integrations
APPROVED

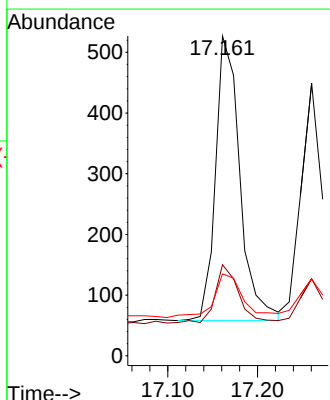
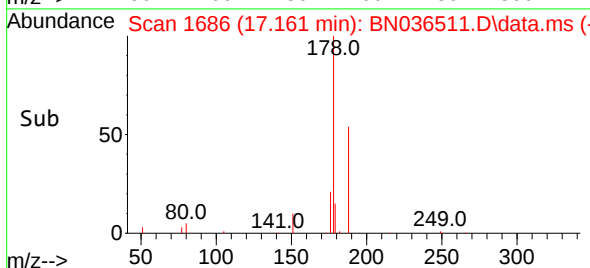
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025

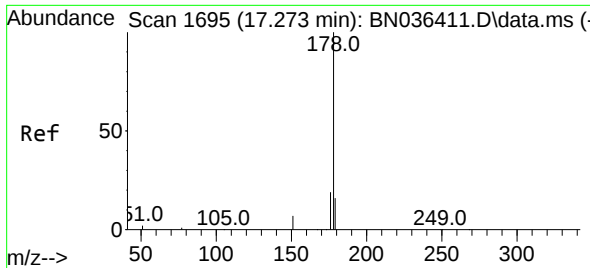


#25
Phenanthrene
Concen: 0.040 ng
RT: 17.161 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31



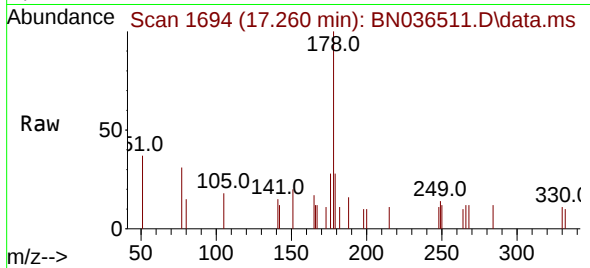
Tgt Ion:178 Resp: 886
Ion Ratio Lower Upper
178 100
176 21.2 15.7 23.5
179 18.4 12.4 18.6





#26
 Anthracene
 Concen: 0.037 ng
 RT: 17.260 min Scan# 1694
 Delta R.T. -0.012 min
 Lab File: BN036511.D
 Acq: 26 Feb 2025 15:31

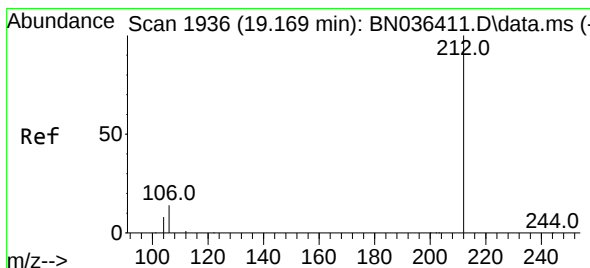
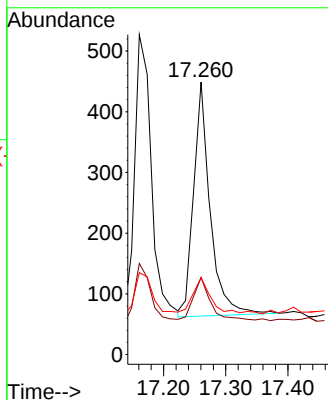
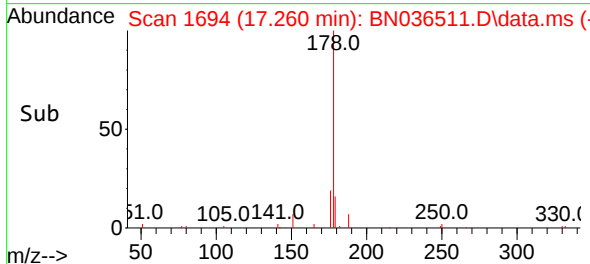
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-192-EB-20250221



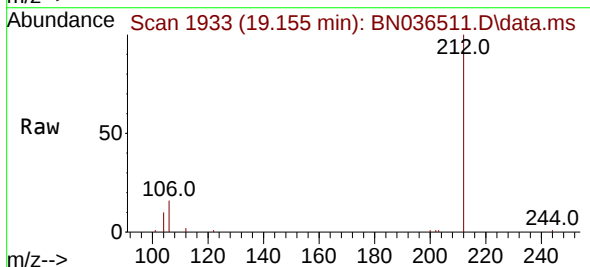
Tgt Ion:178 Resp: 719
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 18.4 12.4 18.6

Manual Integrations
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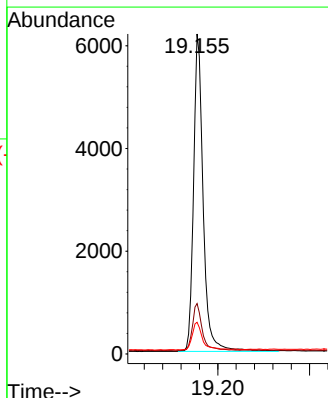
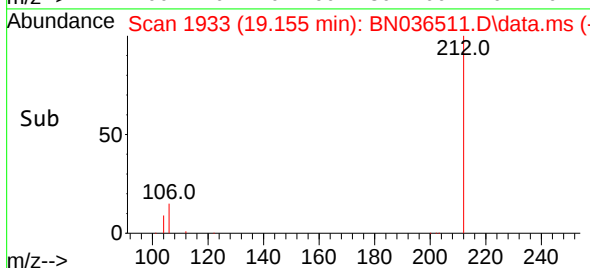
Reviewed By :Rahul Chavli 02/27/2025
 Supervised By :mohammad ahmed 02/28/2025

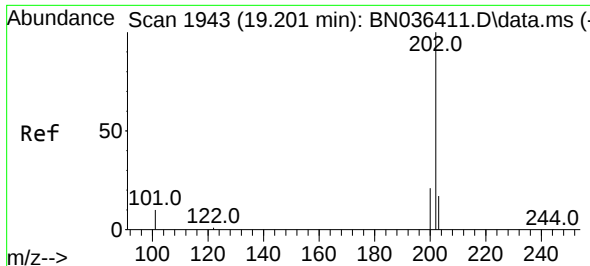


#27
 Fluoranthene-d10
 Concen: 0.421 ng
 RT: 19.155 min Scan# 1933
 Delta R.T. -0.014 min
 Lab File: BN036511.D
 Acq: 26 Feb 2025 15:31



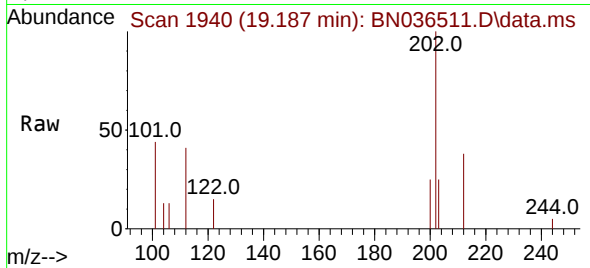
Tgt Ion:212 Resp: 9001
 Ion Ratio Lower Upper
 212 100
 106 15.3 11.5 17.3
 104 9.3 7.1 10.7





#28
Fluoranthene
Concen: 0.048 ng
RT: 19.187 min Scan# 1943
Delta R.T. -0.014 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

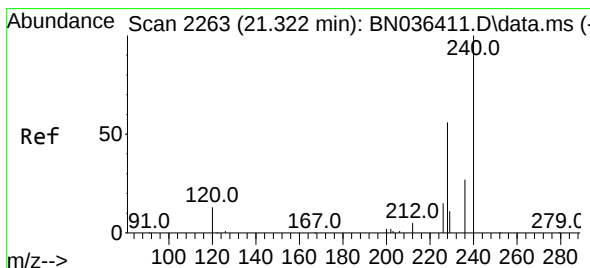
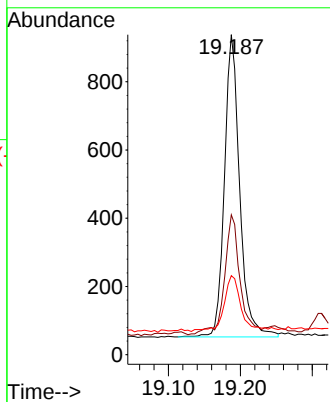
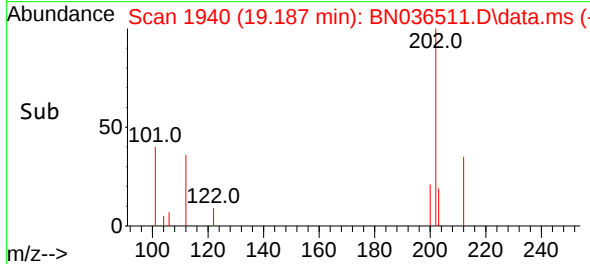
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion:202 Resp: 1310
Ion Ratio Lower Upper
202 100
101 40.3 9.2 13.8
203 20.7 13.4 20.0

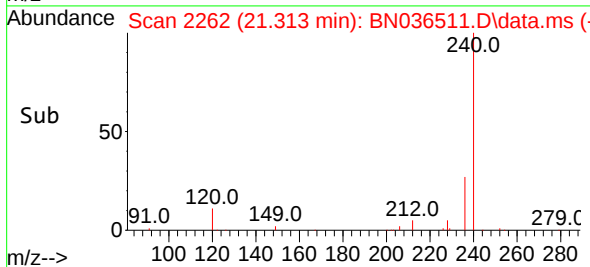
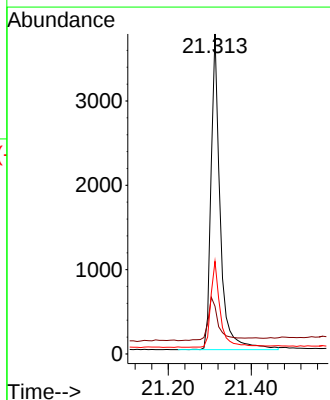
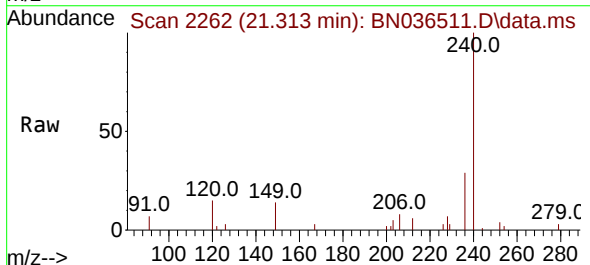
Manual Integrations
APPROVED

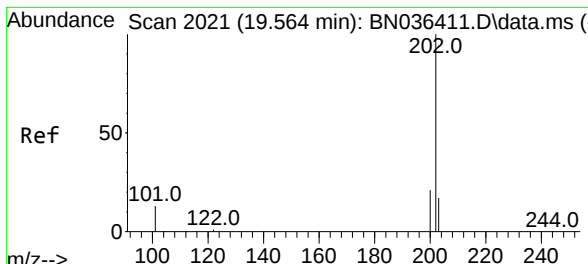
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.313 min Scan# 2262
Delta R.T. -0.009 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

Tgt Ion:240 Resp: 5768
Ion Ratio Lower Upper
240 100
120 14.9 13.3 19.9
236 29.0 23.0 34.6





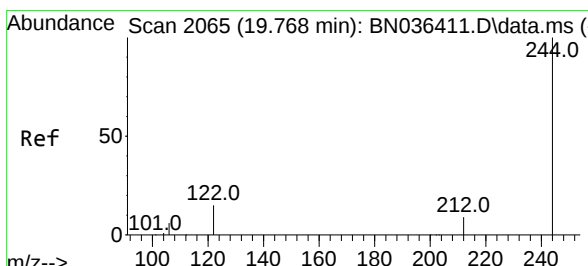
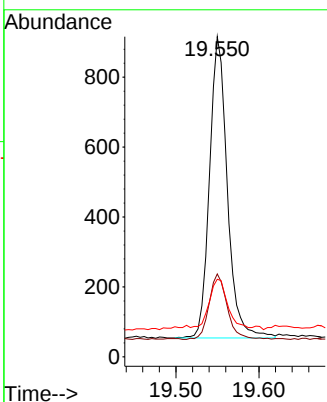
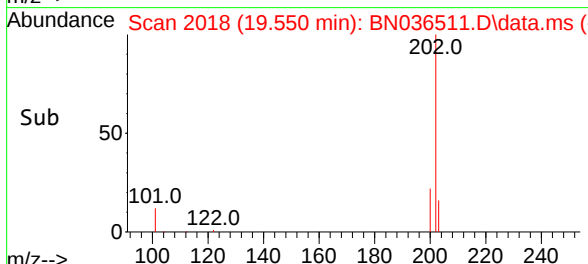
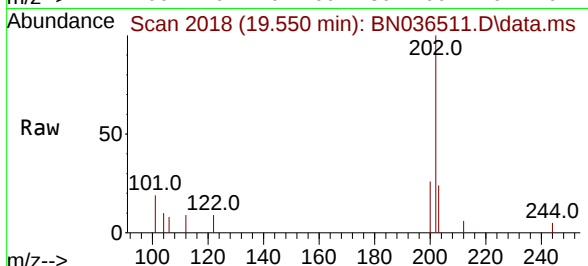
#30
 Pyrene
 Concen: 0.058 ng
 RT: 19.550 min Scan# 2018
 Delta R.T. -0.014 min
 Lab File: BN036511.D
 Acq: 26 Feb 2025 15:31

Instrument : BNA_N
 ClientSampleId : BP-VPB-192-EB-20250221

Tgt Ion:	202	Resp:	1284
Ion Ratio	Lower	Upper	
202	100		
200	22.0	16.9	25.3
203	17.6	13.9	20.9

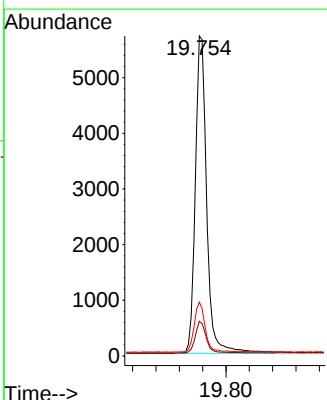
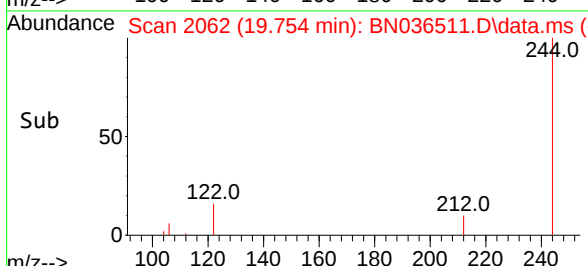
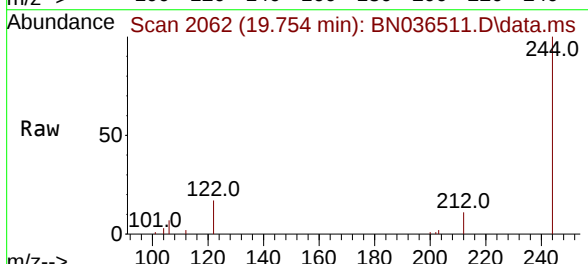
Manual Integrations
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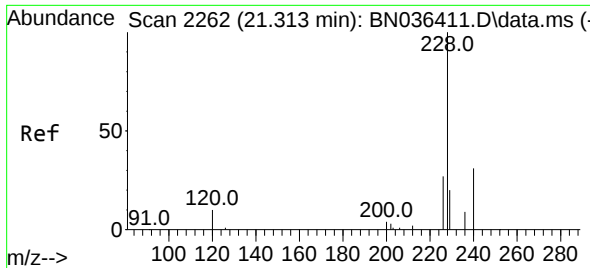
Reviewed By :Rahul Chavli 02/27/2025
 Supervised By :mohammad ahmed 02/28/2025



#31
 Terphenyl-d14
 Concen: 0.631 ng
 RT: 19.754 min Scan# 2062
 Delta R.T. -0.014 min
 Lab File: BN036511.D
 Acq: 26 Feb 2025 15:31

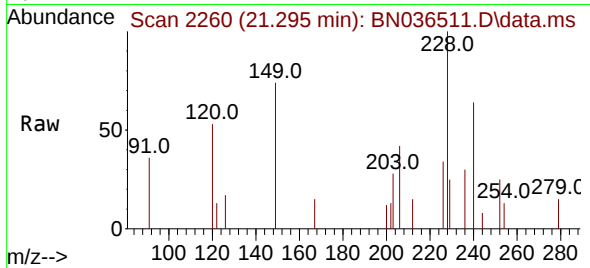
Tgt Ion:	244	Resp:	7770
Ion Ratio	Lower	Upper	
244	100		
212	10.8	8.1	12.1
122	16.8	12.8	19.2





#32
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.295 min Scan# 2126
Delta R.T. -0.018 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

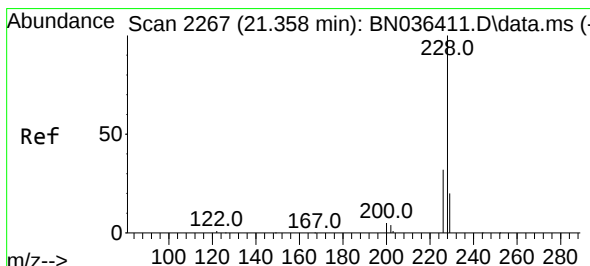
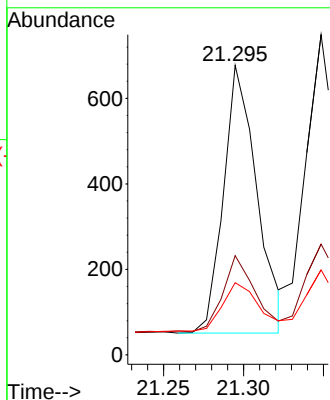
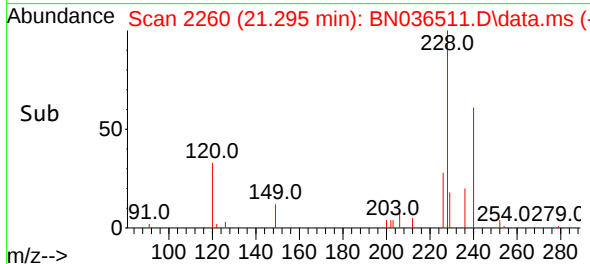
Instrument : BNA_N
ClientSampleId : BP-VPB-192-EB-20250221



Tgt Ion:228 Resp: 911
Ion Ratio Lower Upper
228 100
226 34.3 22.2 33.2
229 25.0 16.5 24.7

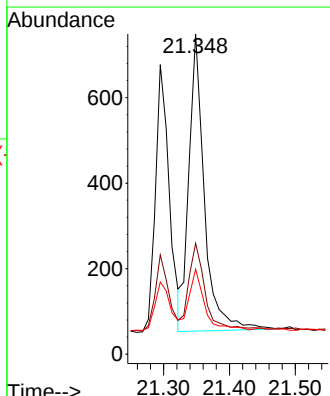
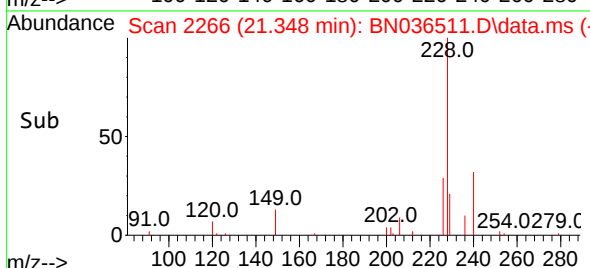
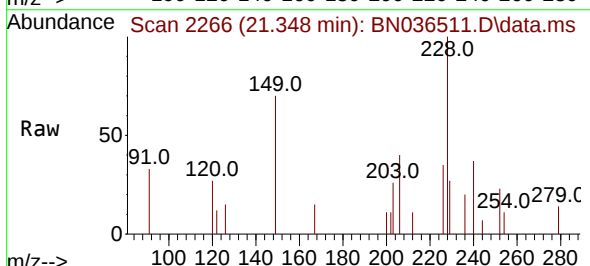
Manual Integrations
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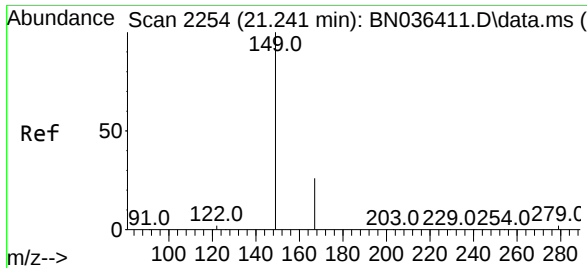
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#33
Chrysene
Concen: 0.055 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

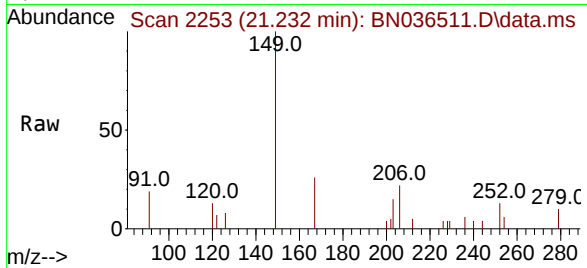
Tgt Ion:228 Resp: 1129
Ion Ratio Lower Upper
228 100
226 34.6 25.5 38.3
229 26.6 16.4 24.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.081 ng
RT: 21.232 min Scan# 2123
Delta R.T. -0.009 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

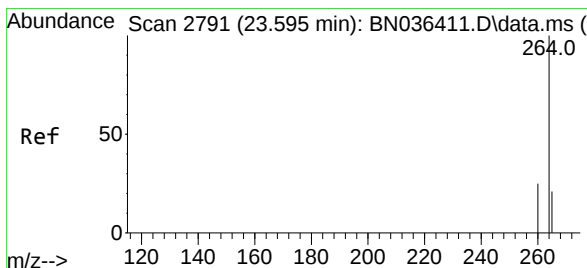
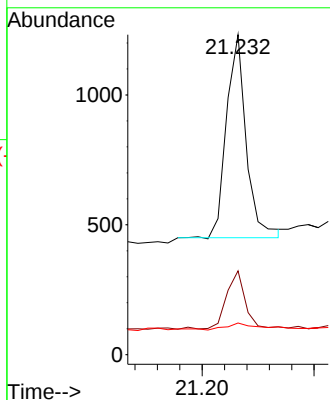
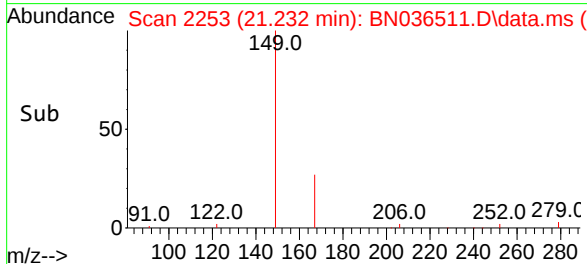
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion:149 Resp: 962
Ion Ratio Lower Upper
149 100
167 29.1 21.2 31.8
279 6.3 2.7 4.1

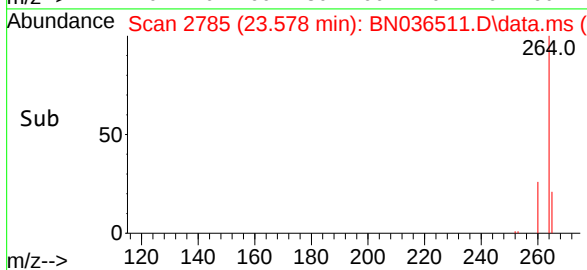
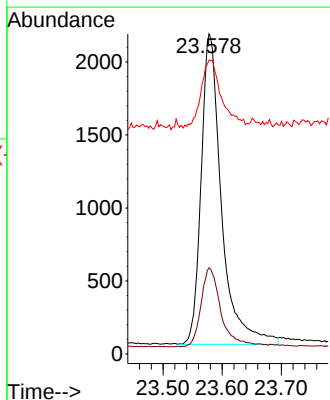
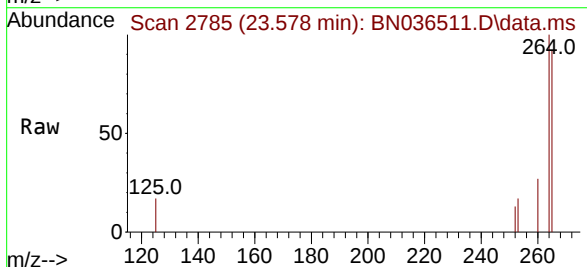
Manual Integrations
APPROVED

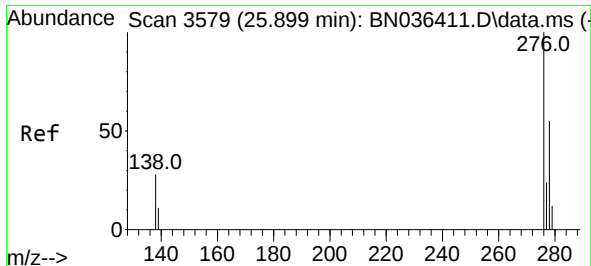
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.578 min Scan# 2785
Delta R.T. -0.018 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

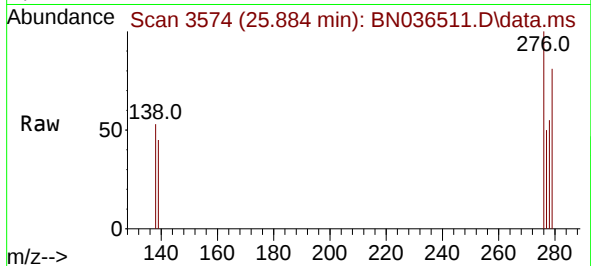
Tgt Ion:264 Resp: 5083
Ion Ratio Lower Upper
264 100
260 27.0 20.9 31.3
265 91.8 60.7 91.1





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng m
RT: 25.884 min Scan# 3574
Delta R.T. -0.015 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

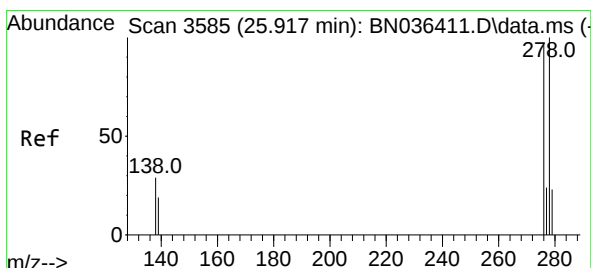
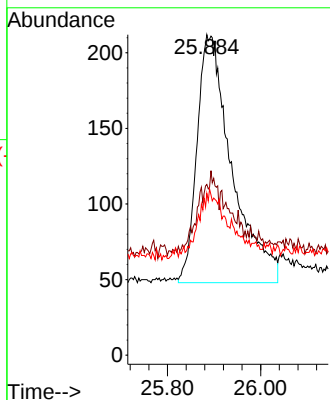
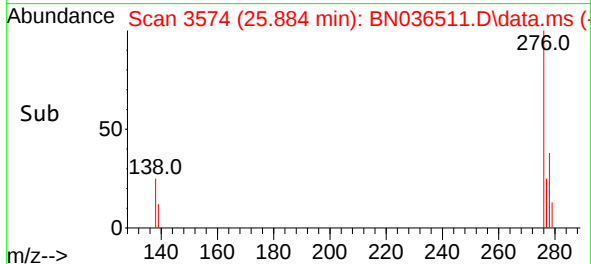
Instrument : BNA_N
ClientSampleId : BP-VPB-192-EB-20250221



Tgt Ion: 276 Resp: 854
Ion Ratio Lower Upper
276 100
138 6.3 22.2 33.2#
277 15.3 19.8 29.6#

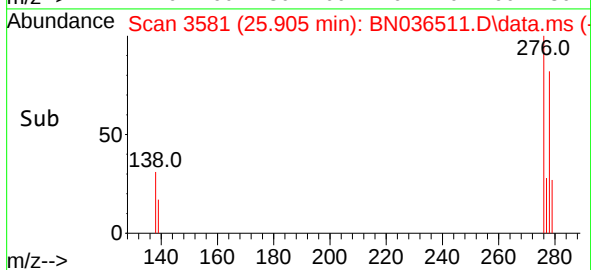
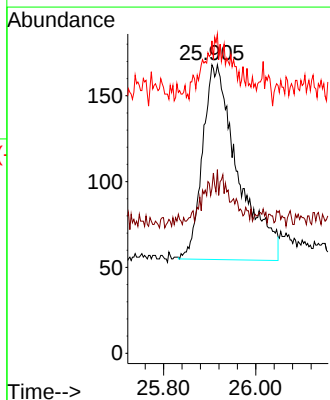
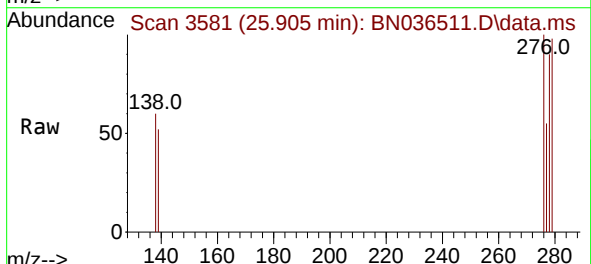
Manual Integrations
APPROVED

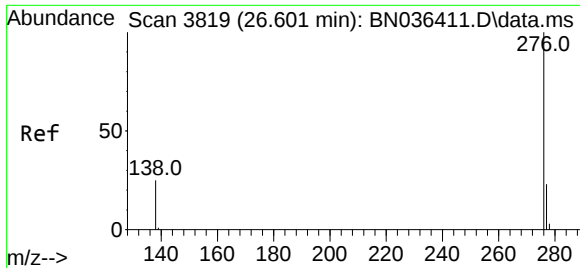
Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.043 ng m
RT: 25.905 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

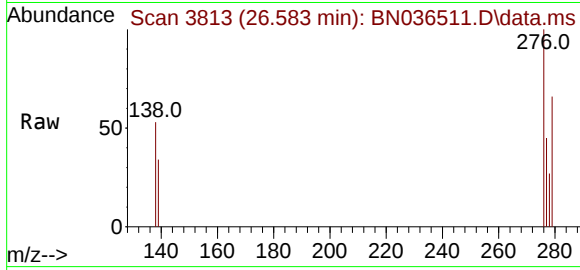
Tgt Ion: 278 Resp: 605
Ion Ratio Lower Upper
278 100
139 57.1 18.5 27.7#
279 108.3 24.8 37.2#





#41
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 26.583 min Scan# 3813
Delta R.T. -0.018 min
Lab File: BN036511.D
Acq: 26 Feb 2025 15:31

Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-EB-20250221



Tgt Ion: 276 Resp: 699
Ion Ratio Lower Upper
276 100
277 45.2 20.7 31.1
138 53.0 21.8 32.6

Manual Integrations
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Reviewed By :Rahul Chavli 02/27/2025
Supervised By :mohammad ahmed 02/28/2025

