

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030525\
 Data File : BN036528.D
 Acq On : 05 Mar 2025 17:30
 Operator : RC/JU
 Sample : Q1477-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP302-20250228

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025

Quant Time: Mar 06 00:02:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 16:08:57 2025
 Response via : Initial Calibration

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

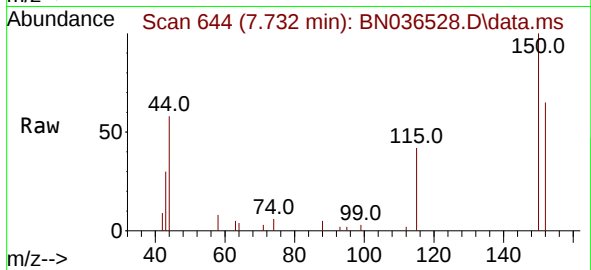
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2903	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	6906	0.400	ng	# 0.01
13) Acenaphthene-d10	14.366	164	4230	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	8982	0.400	ng	0.00
29) Chrysene-d12	21.295	240	9606	0.400	ng	0.00
35) Perylene-d12	23.554	264	8798	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1187	0.173	ng	0.00
5) Phenol-d6	6.901	99	825	0.102	ng	0.00
8) Nitrobenzene-d5	8.875	82	2609	0.383	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	3527	0.332	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	862	0.411	ng	0.00
15) 2-Fluorobiphenyl	12.993	172	8843	0.556	ng	0.00
27) Fluoranthene-d10	19.141	212	12661	0.507	ng	0.00
31) Terphenyl-d14	19.745	244	9769	0.476	ng	0.00
Target Compounds						
25) Phenanthrene	17.149	178	1394	0.054	ng	Qvalue 97
28) Fluoranthene	19.174	202	7659	0.240	ng	# 94
30) Pyrene	19.536	202	5566	0.150	ng	99
32) Benzo(a)anthracene	21.277	228	2403	0.076	ng	93
33) Chrysene	21.331	228	2403	0.070	ng	98
34) Bis(2-ethylhexyl)phtha...	21.214	149	2236	0.114	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.847	276	1377	0.045	ng	# 86
37) Benzo(b)fluoranthene	22.876	252	2840	0.098	ng	# 72
38) Benzo(k)fluoranthene	22.920	252	2386m	0.080	ng	
39) Benzo(a)pyrene	23.455	252	1362	0.054	ng	# 37
40) Dibenzo(a,h)anthracene	25.867	278	682m	0.028	ng	
41) Benzo(g,h,i)perylene	26.539	276	750	0.027	ng	# 60

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

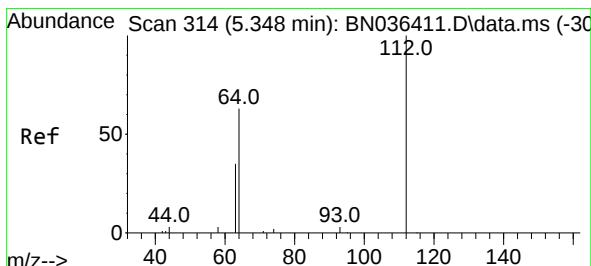
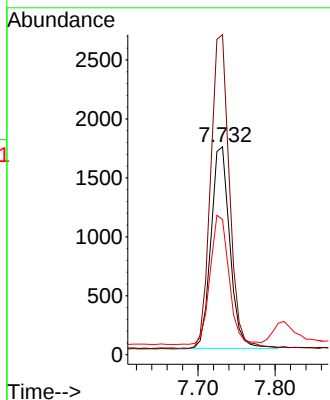
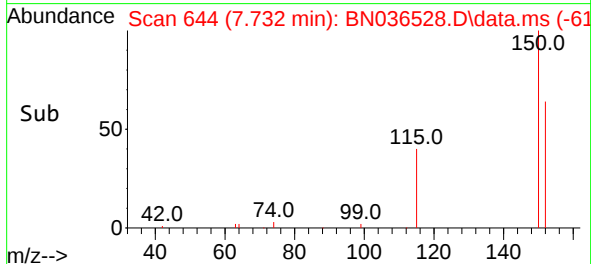
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:152 Resp: 290
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 65.1 52.5 78.7

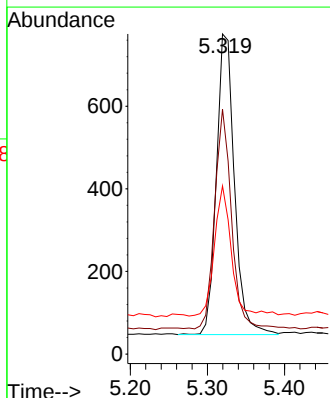
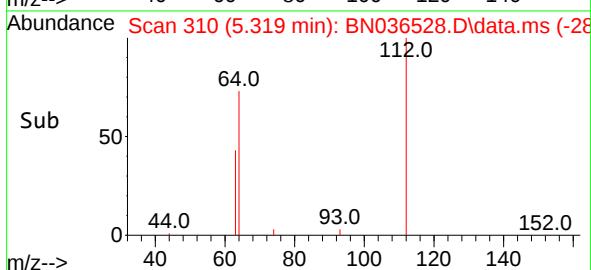
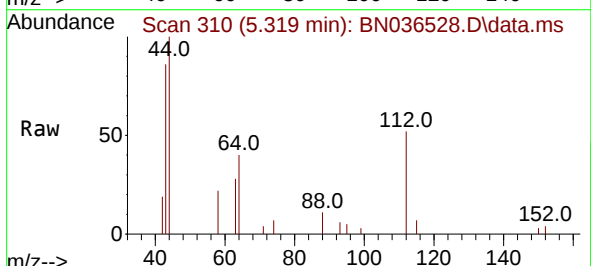
Manual Integrations
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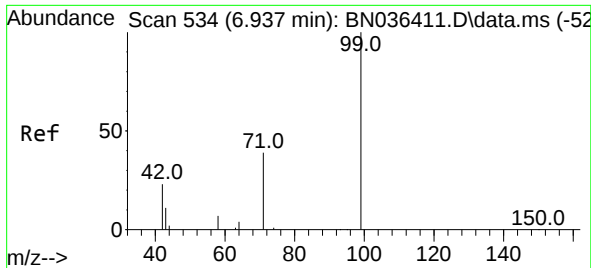
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#4
2-Fluorophenol
Concen: 0.173 ng
RT: 5.319 min Scan# 310
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

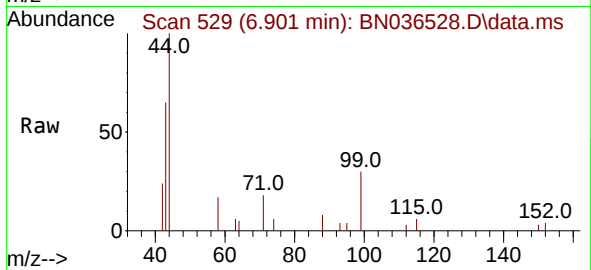
Tgt Ion:112 Resp: 1187
Ion Ratio Lower Upper
112 100
64 68.3 53.4 80.0
63 39.4 30.3 45.5





#5
Phenol-d6
Concen: 0.102 ng
RT: 6.901 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

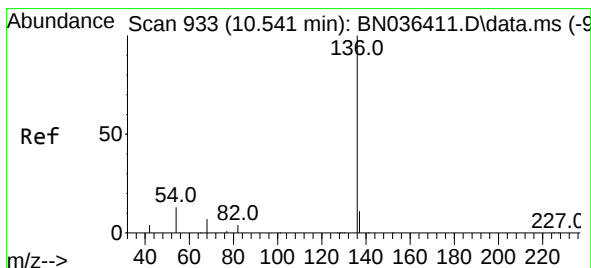
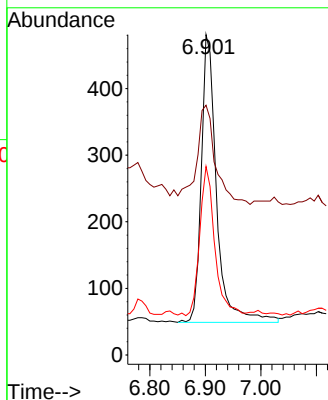
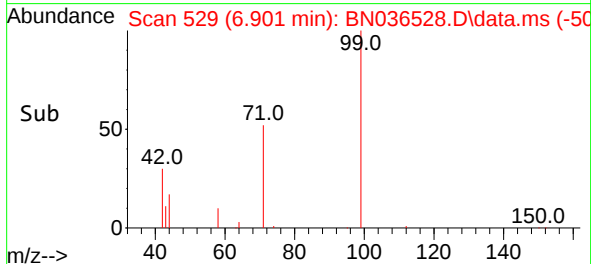
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



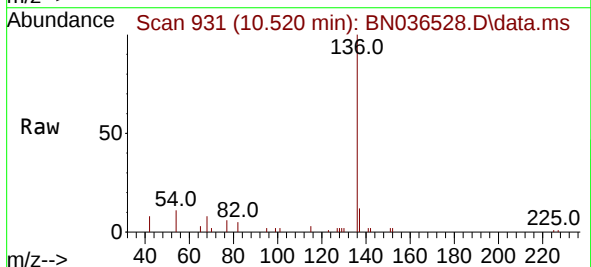
Tgt Ion: 99 Resp: 82
Ion Ratio Lower Upper
99 100
42 42.9 21.7 32.5
71 50.5 32.6 49.0

Manual Integrations
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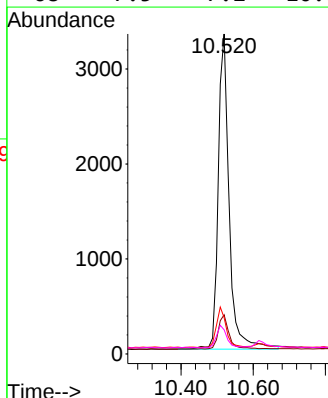
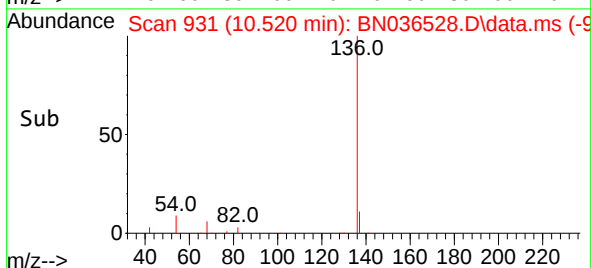
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

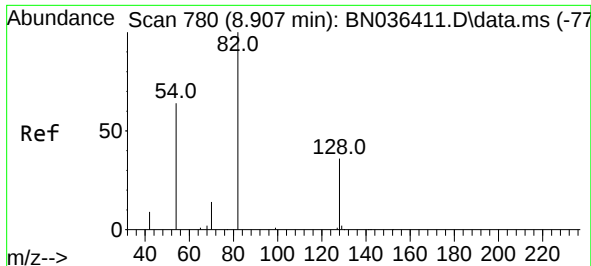


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.011 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30



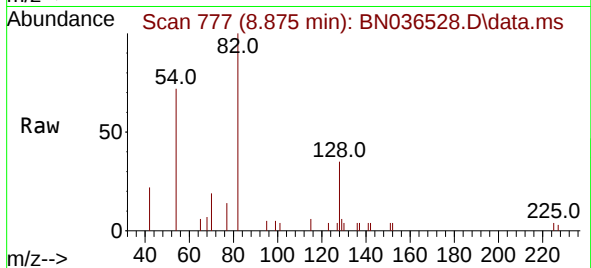
Tgt Ion:136 Resp: 6906
Ion Ratio Lower Upper
136 100
137 12.2 10.1 15.1
54 11.4 11.8 17.6#
68 7.5 7.2 10.8





#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 8.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

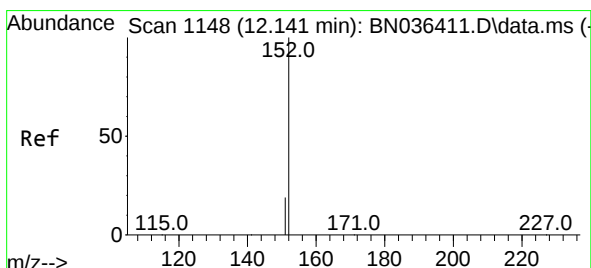
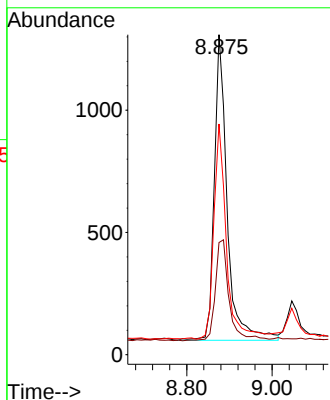
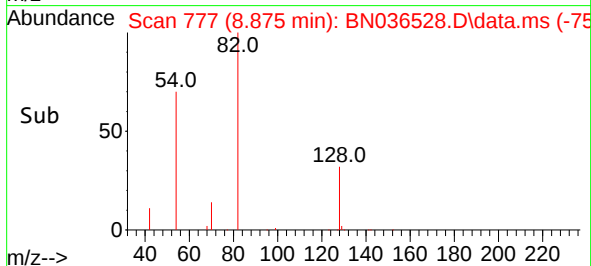
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion: 82 Resp: 2609
Ion Ratio Lower Upper
82 100
128 35.1 31.9 47.9
54 72.1 53.1 79.7

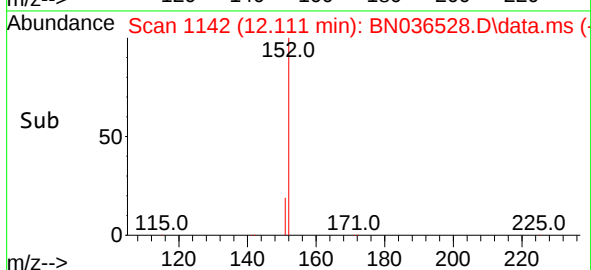
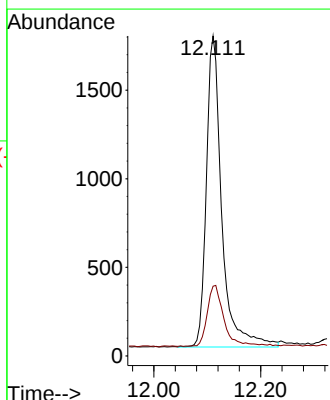
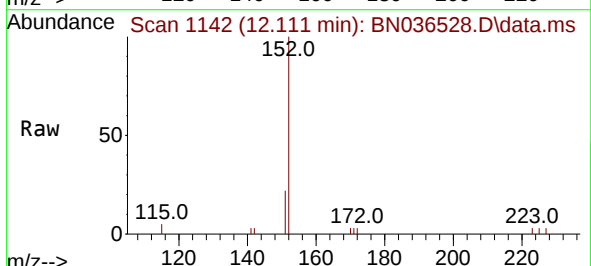
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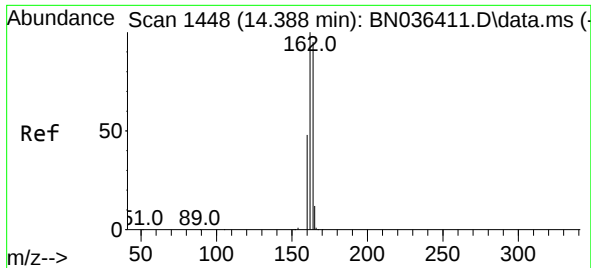
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.111 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

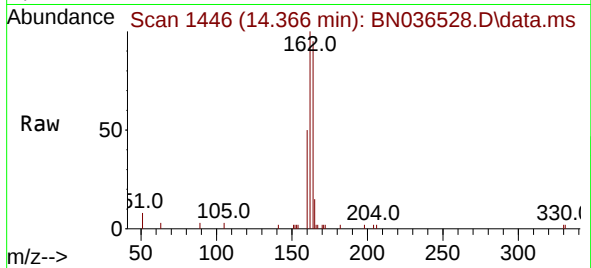
Tgt Ion:152 Resp: 3527
Ion Ratio Lower Upper
152 100
151 21.2 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

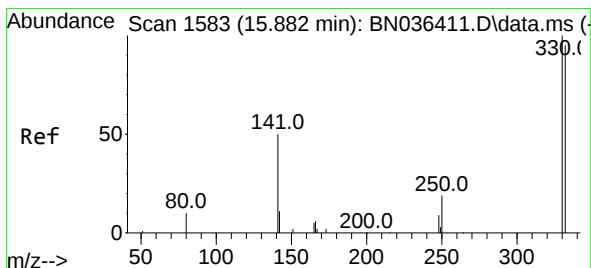
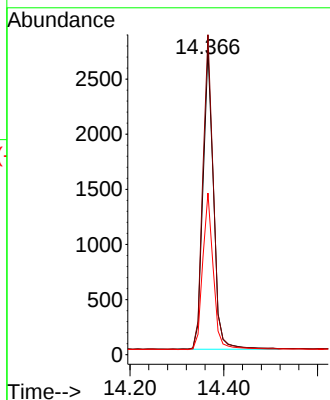
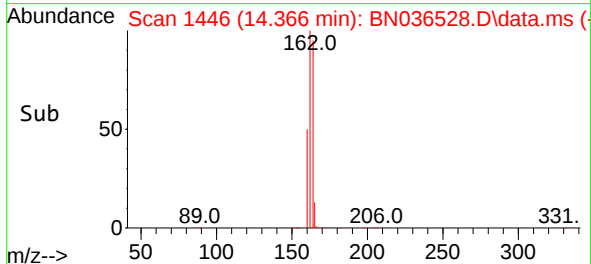
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:164 Resp: 4230
Ion Ratio Lower Upper
164 100
162 105.1 84.1 126.1
160 53.1 41.4 62.0

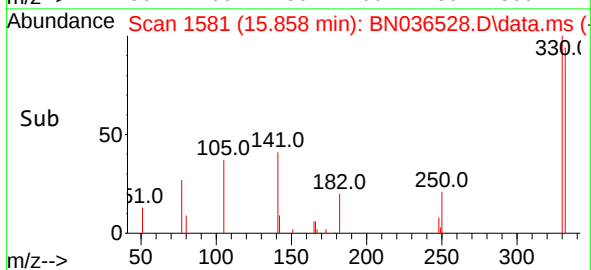
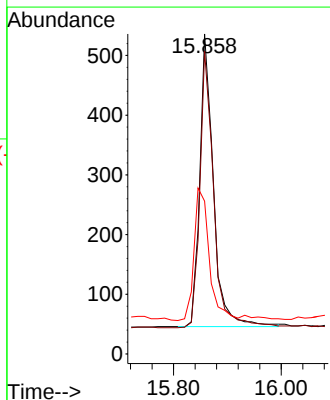
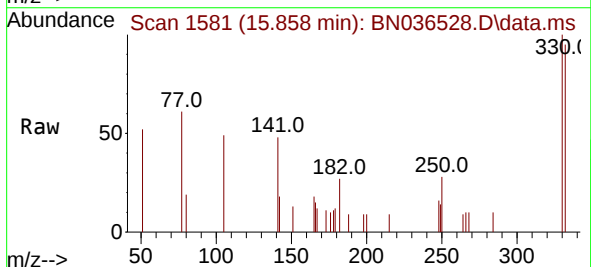
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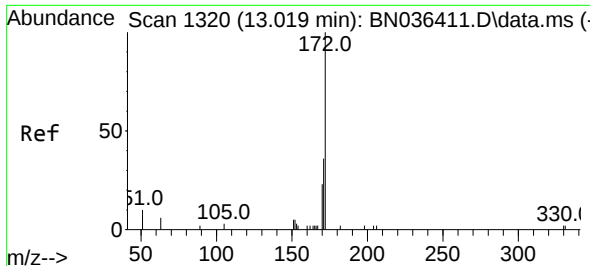
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

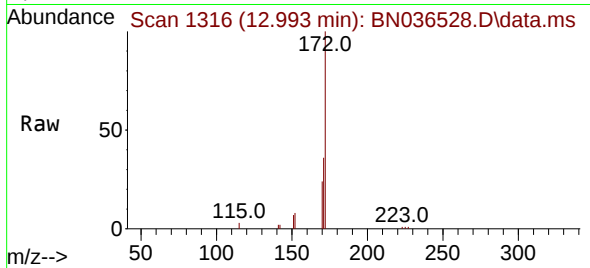
Tgt Ion:330 Resp: 862
Ion Ratio Lower Upper
330 100
332 96.5 76.6 114.8
141 50.7 37.8 56.8





#15
2-Fluorobiphenyl
Concen: 0.556 ng
RT: 12.993 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

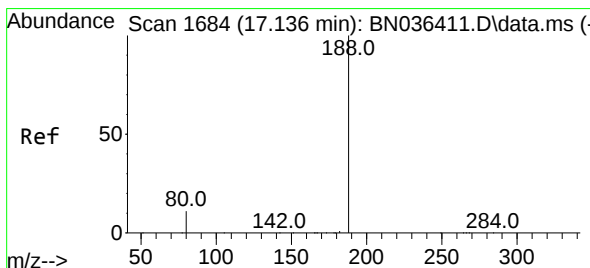
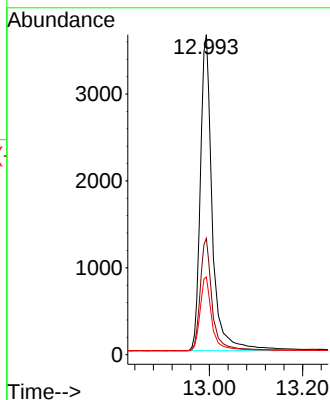
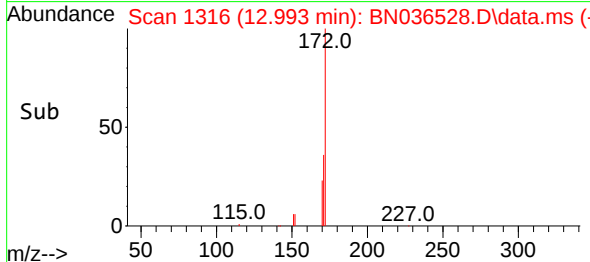
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:172 Resp: 884
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.3 19.8 29.6

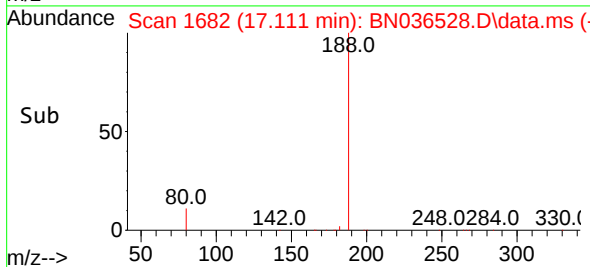
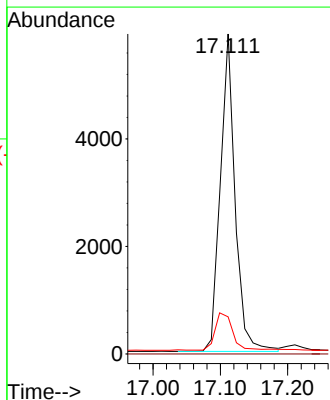
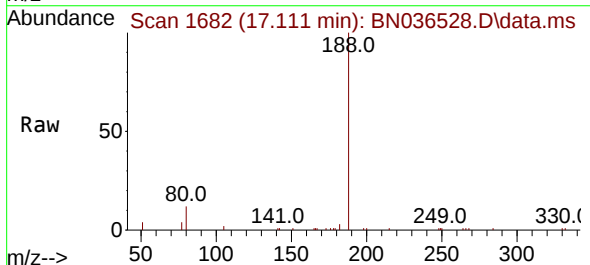
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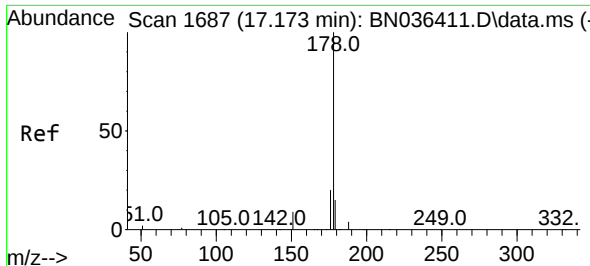
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

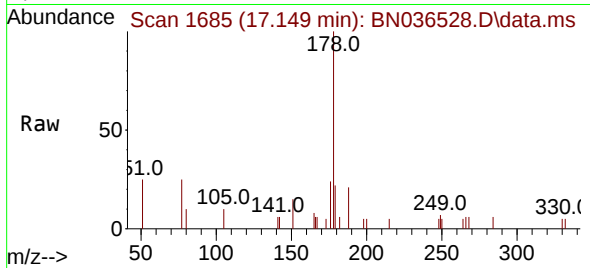
Tgt Ion:188 Resp: 8982
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 9.8 14.6





#25
Phenanthrene
Concen: 0.054 ng
RT: 17.149 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

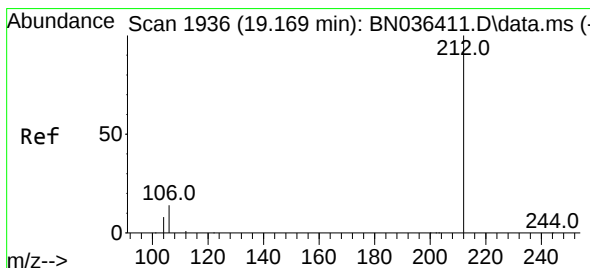
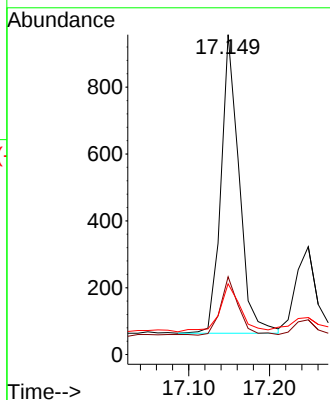
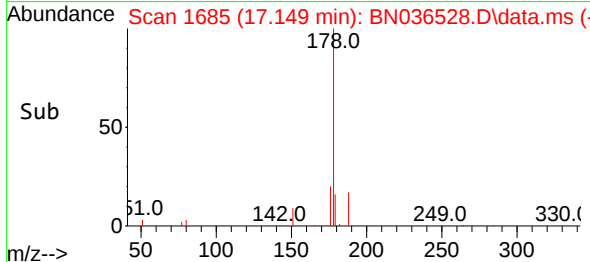
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:178 Resp: 1394
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 18.4 12.4 18.6

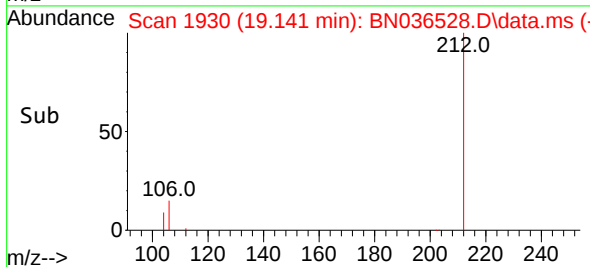
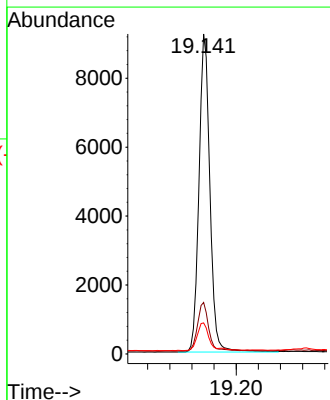
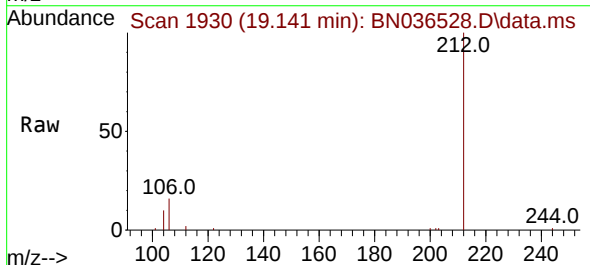
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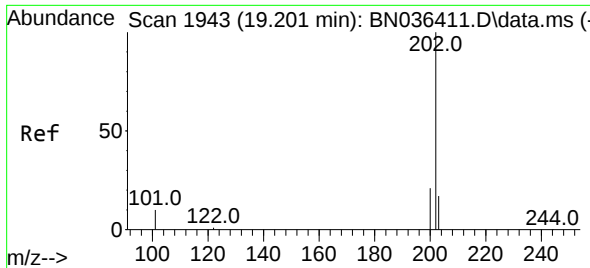
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#27
Fluoranthene-d10
Concen: 0.507 ng
RT: 19.141 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

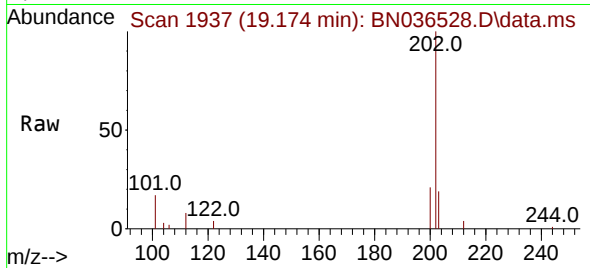
Tgt Ion:212 Resp: 12661
Ion Ratio Lower Upper
212 100
106 15.6 11.5 17.3
104 9.6 7.1 10.7





#28
Fluoranthene
Concen: 0.240 ng
RT: 19.174 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

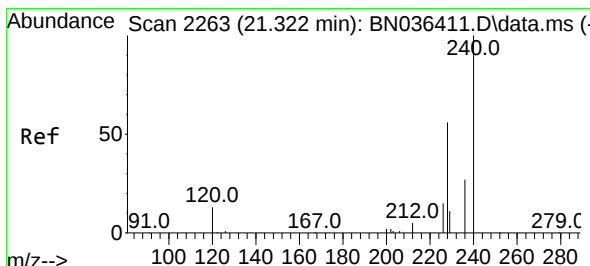
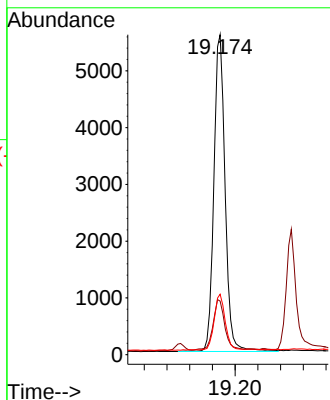
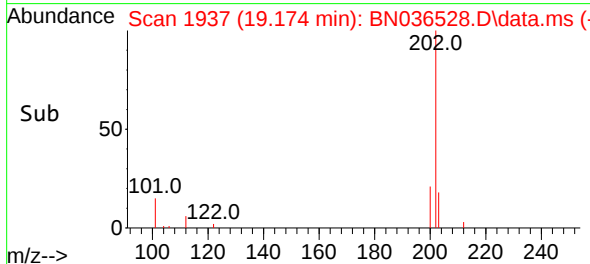
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:202 Resp: 7659
Ion Ratio Lower Upper
202 100
101 16.7 9.2 13.8
203 16.9 13.4 20.0

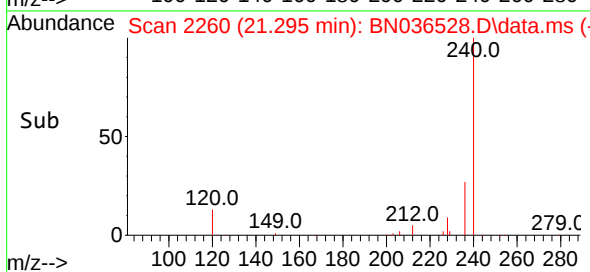
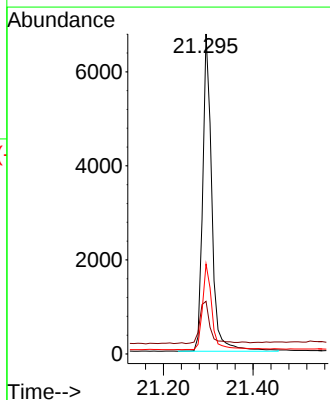
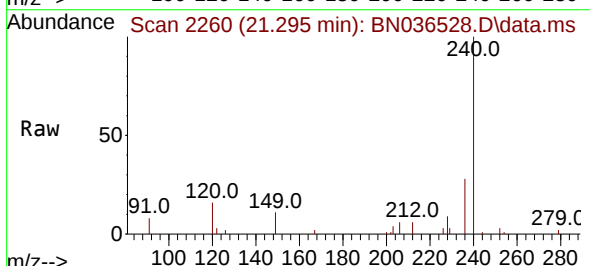
Manual Integrations
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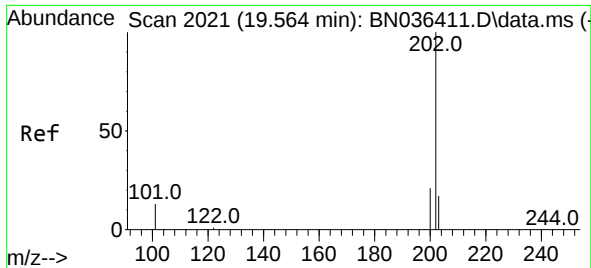
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

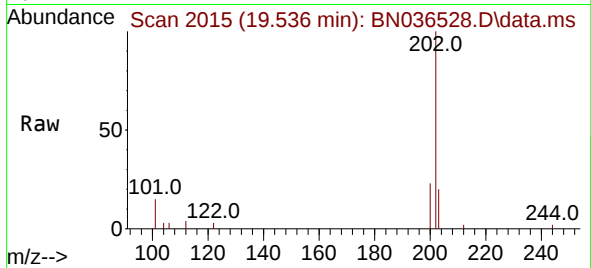
Tgt Ion:240 Resp: 9606
Ion Ratio Lower Upper
240 100
120 16.4 13.3 19.9
236 28.1 23.0 34.6





#30
 Pyrene
 Concen: 0.150 ng
 RT: 19.536 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: BN036528.D
 Acq: 05 Mar 2025 17:30

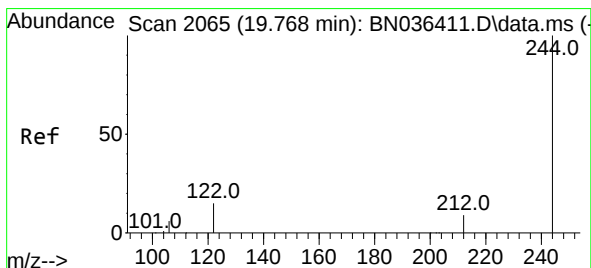
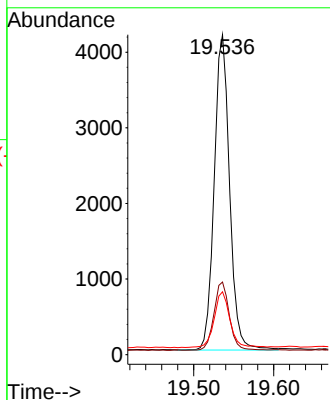
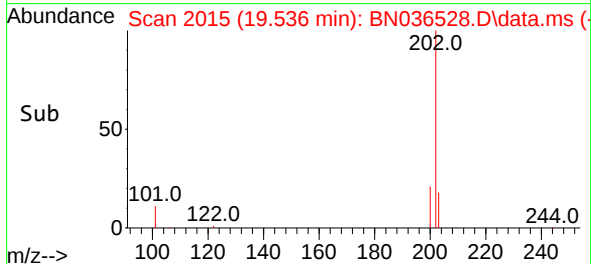
Instrument :
 BNA_N
 ClientSampleId :
 RW7-SP302-20250228



Tgt Ion:202 Resp: 5560
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.9 25.3
 203 18.3 13.9 20.9

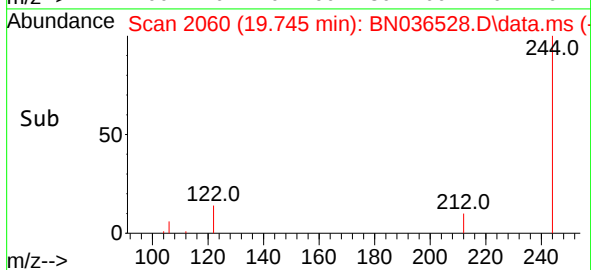
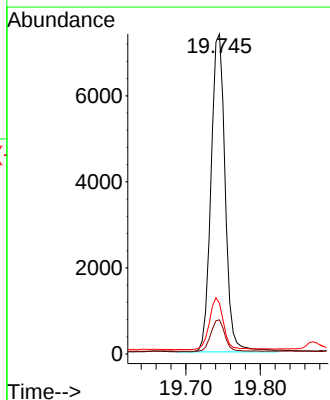
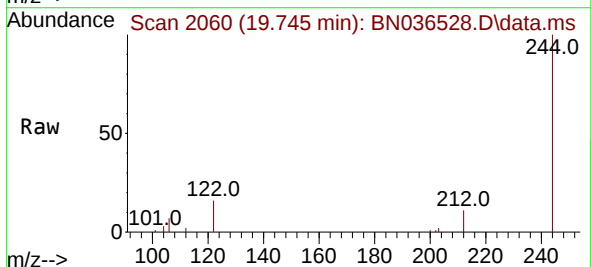
Manual Integrations
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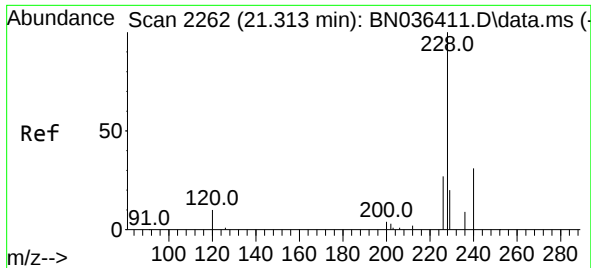
Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025



#31
 Terphenyl-d14
 Concen: 0.476 ng
 RT: 19.745 min Scan# 2060
 Delta R.T. 0.000 min
 Lab File: BN036528.D
 Acq: 05 Mar 2025 17:30

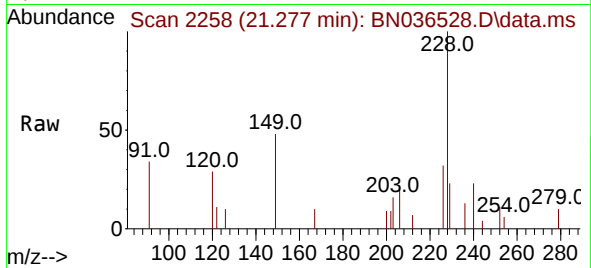
Tgt Ion:244 Resp: 9769
 Ion Ratio Lower Upper
 244 100
 212 10.7 8.1 12.1
 122 15.8 12.8 19.2





#32
Benzo(a)anthracene
Concen: 0.076 ng
RT: 21.277 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

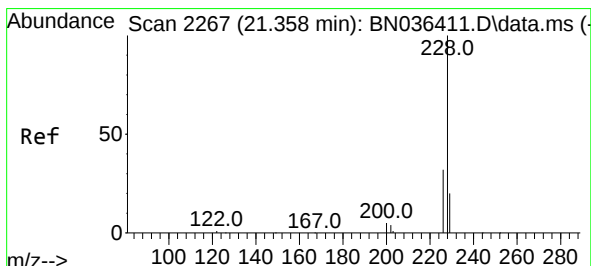
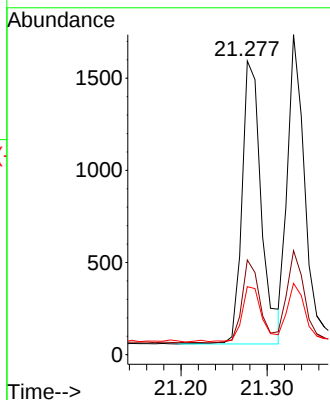
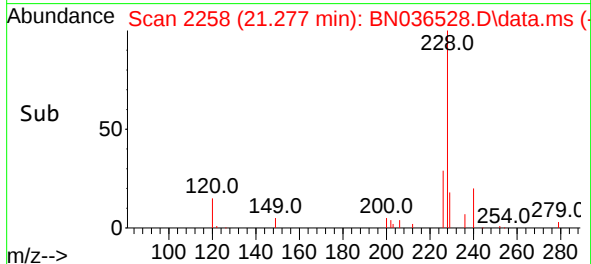
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:228 Resp: 2403
Ion Ratio Lower Upper
228 100
226 32.2 22.2 33.2
229 23.1 16.5 24.7

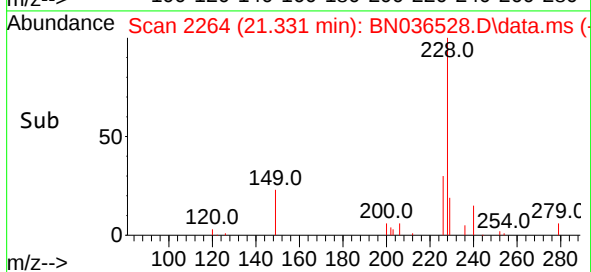
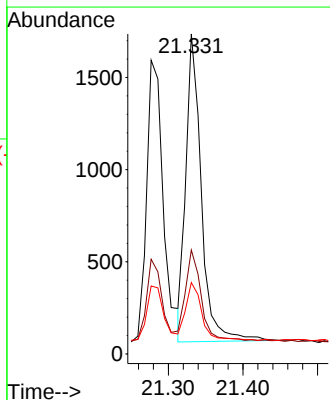
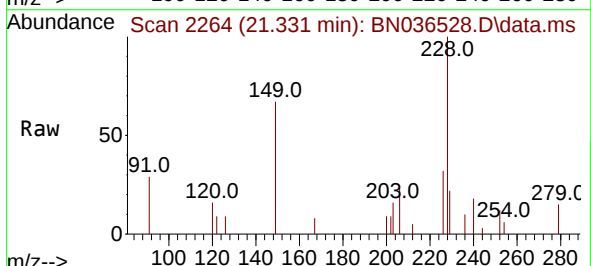
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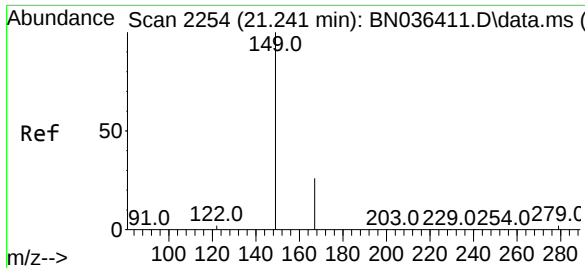
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#33
Chrysene
Concen: 0.070 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

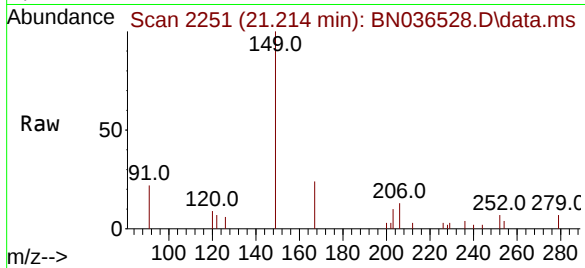
Tgt Ion:228 Resp: 2403
Ion Ratio Lower Upper
228 100
226 32.5 25.5 38.3
229 22.3 16.4 24.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.114 ng
RT: 21.214 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

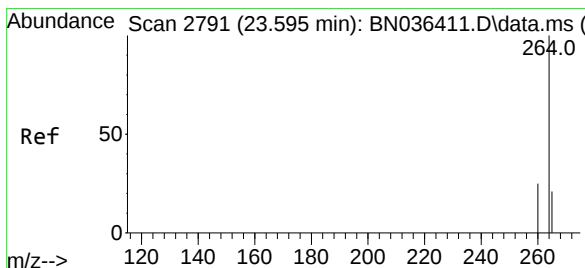
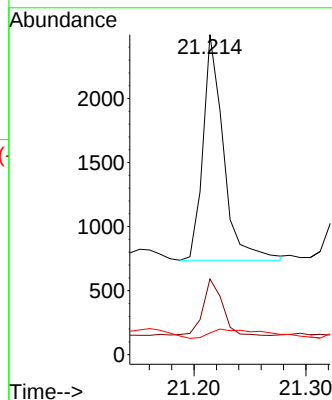
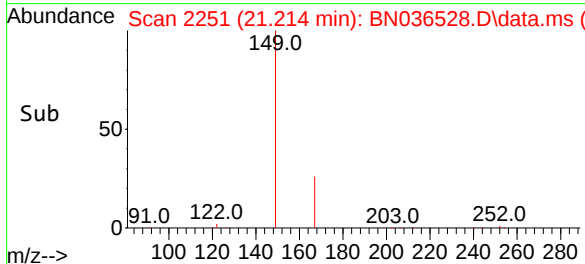
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:149 Resp: 2230
Ion Ratio Lower Upper
149 100
167 23.8 21.2 31.8
279 10.1 2.7 4.1

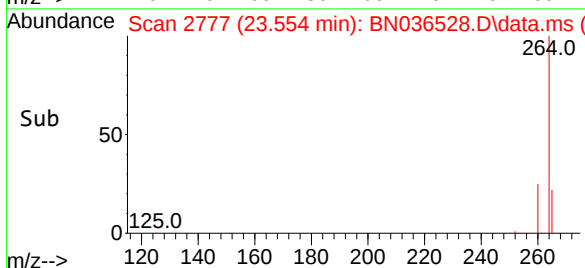
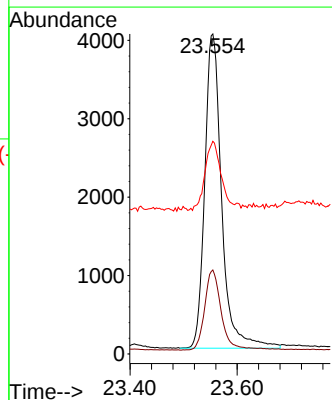
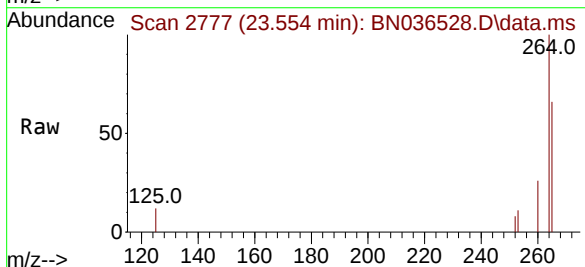
Manual Integrations
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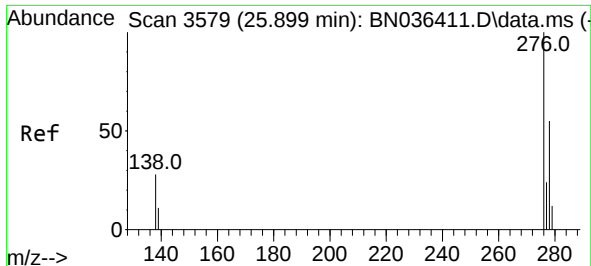
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.554 min Scan# 2777
Delta R.T. 0.003 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

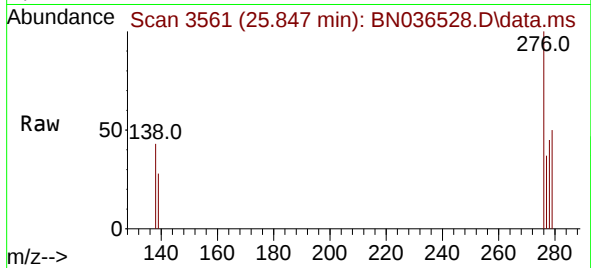
Tgt Ion:264 Resp: 8798
Ion Ratio Lower Upper
264 100
260 26.3 20.9 31.3
265 66.4 60.7 91.1





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.045 ng
RT: 25.847 min Scan# 3561
Delta R.T. 0.009 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

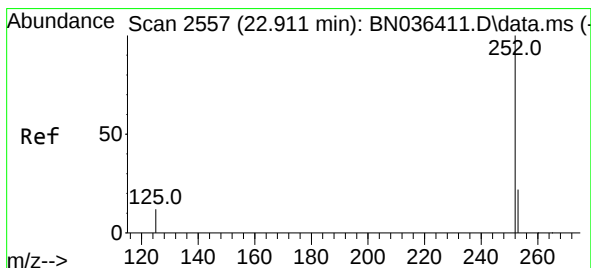
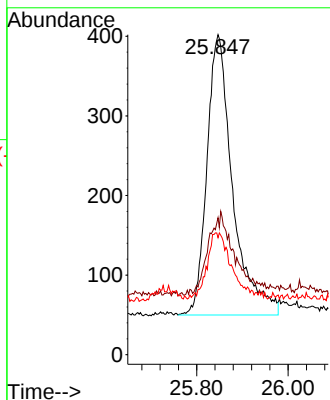
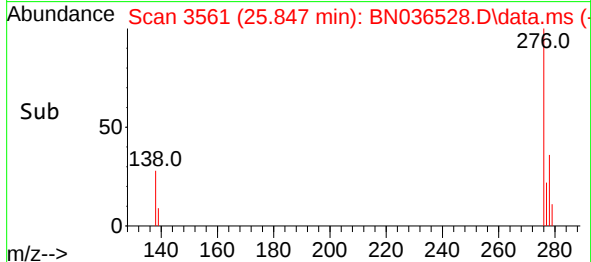
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:276 Resp: 1377
Ion Ratio Lower Upper
276 100
138 27.2 22.2 33.2
277 10.3 19.8 29.6

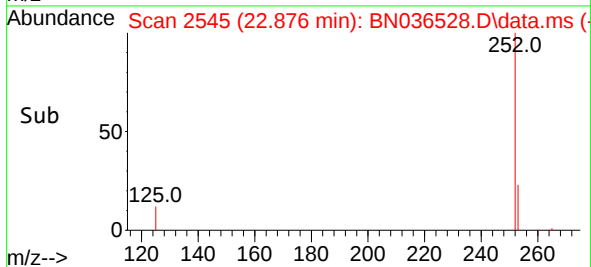
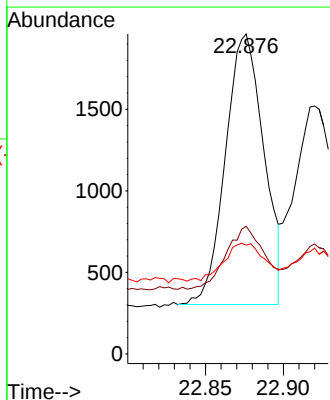
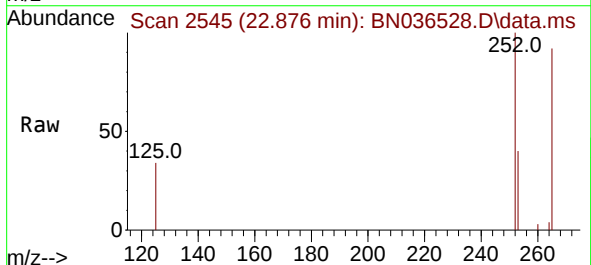
Manual Integrations
APPROVED

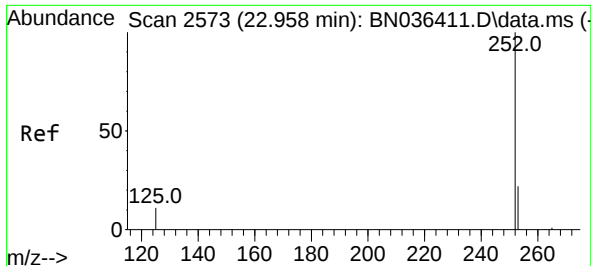
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#37
Benzo(b)fluoranthene
Concen: 0.098 ng
RT: 22.876 min Scan# 2545
Delta R.T. 0.003 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

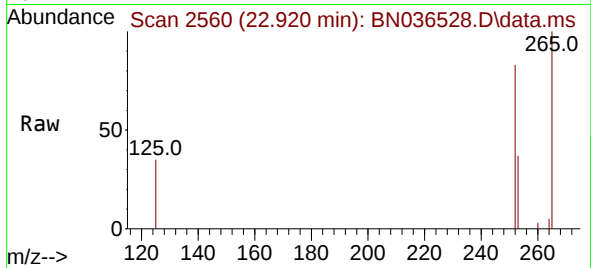
Tgt Ion:252 Resp: 2840
Ion Ratio Lower Upper
252 100
253 39.9 21.9 32.9#
125 34.0 15.0 22.6#





#38
Benzo(k)fluoranthene
Concen: 0.080 ng m
RT: 22.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

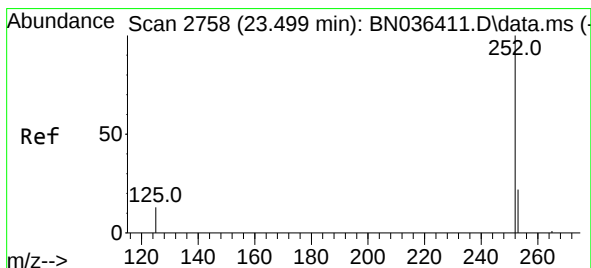
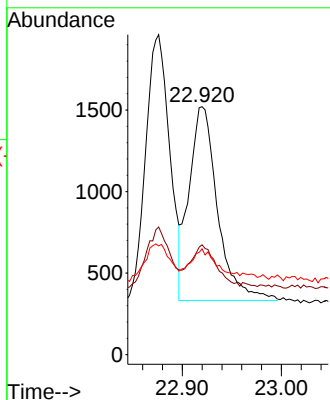
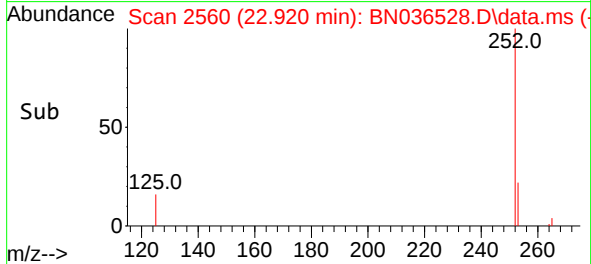
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:252 Resp: 2380
Ion Ratio Lower Upper
252 100
253 44.3 22.2 33.4#
125 42.7 15.0 22.4#

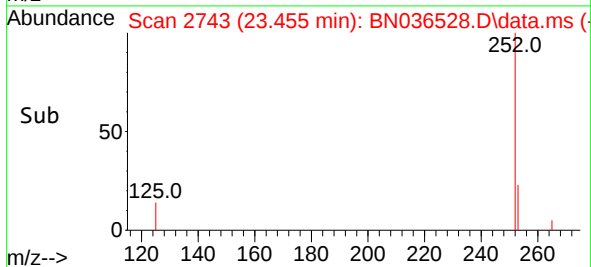
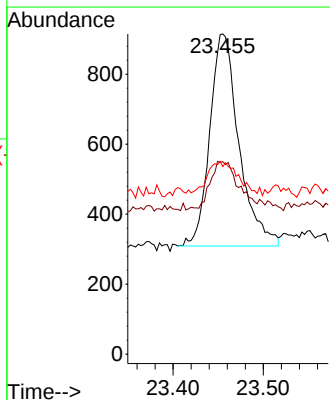
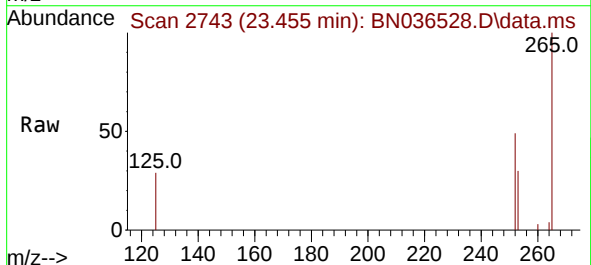
Manual Integrations
APPROVED

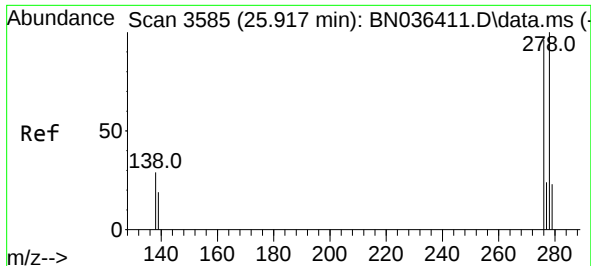
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#39
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.455 min Scan# 2743
Delta R.T. 0.000 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

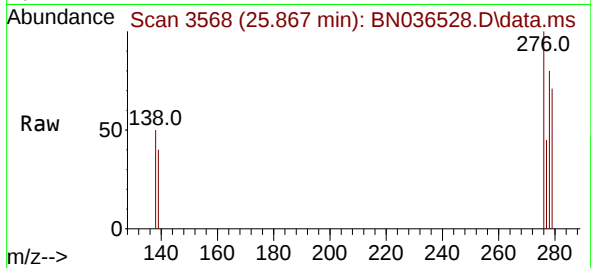
Tgt Ion:252 Resp: 1362
Ion Ratio Lower Upper
252 100
253 60.1 24.4 36.6#
125 58.6 18.2 27.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.028 ng m
RT: 25.867 min Scan# 31
Delta R.T. 0.015 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

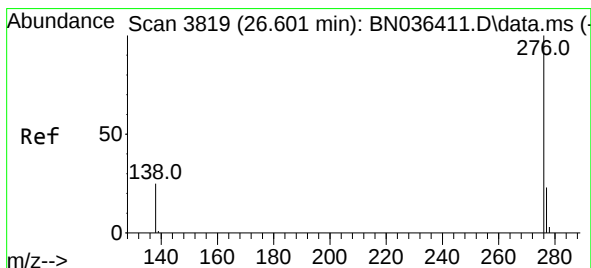
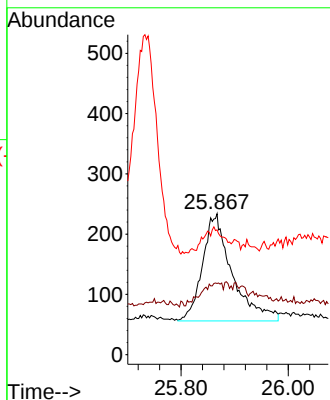
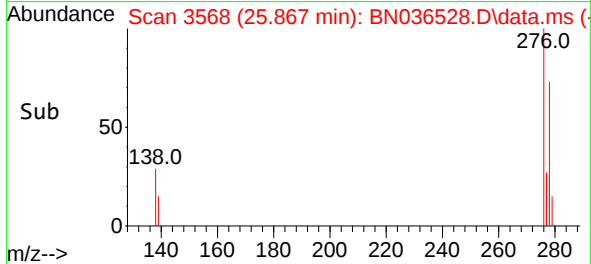
Instrument :
BNA_N
ClientSampleId :
RW7-SP302-20250228



Tgt Ion:278 Resp: 682
Ion Ratio Lower Upper
278 100
139 50.4 18.5 27.7
279 88.5 24.8 37.2

Manual Integrations
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Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#41
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 26.539 min Scan# 3798
Delta R.T. 0.012 min
Lab File: BN036528.D
Acq: 05 Mar 2025 17:30

Tgt Ion:276 Resp: 750
Ion Ratio Lower Upper
276 100
277 44.5 20.7 31.1#
138 50.0 21.8 32.6#

