

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061925\
 Data File : BN037325.D
 Acq On : 18 Jun 2025 22:39
 Operator : RC/JU
 Sample : Q2329-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT172S1-20250613

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/19/2025
 Supervised By :mohammad ahmed 06/23/2025

Quant Time: Jun 19 02:40:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 18 18:40:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	552	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	1224	0.400	ng	0.00
13) Acenaphthene-d10	14.224	164	954	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	1976	0.400	ng	0.00
29) Chrysene-d12	21.171	240	2039	0.400	ng	0.00
35) Perylene-d12	23.357	264	2136	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	175	0.174	ng	0.00
5) Phenol-d6	6.766	99	89	0.090	ng	0.00
8) Nitrobenzene-d5	8.728	82	328	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	11.950	152	825	0.415	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	269	0.382	ng	0.00
15) 2-Fluorobiphenyl	12.843	172	1653	0.395	ng	0.00
27) Fluoranthene-d10	19.008	212	2771	0.442	ng	0.00
31) Terphenyl-d14	19.616	244	2279	0.487	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	760	1.542	ng	# 82
9) Naphthalene	10.404	128	97	0.031	ng	# 14
12) 2-Methylnaphthalene	12.031	142	67	0.030	ng	# 82
17) Acenaphthene	14.288	154	76	0.029	ng	94
18) Fluorene	15.282	166	271	0.072	ng	97
25) Phenanthrene	17.009	178	2246	0.404	ng	99
26) Anthracene	17.108	178	247m	0.047	ng	
28) Fluoranthene	19.040	202	1694	0.219	ng	# 95
30) Pyrene	19.402	202	926	0.119	ng	# 94
32) Benzo(a)anthracene	21.153	228	158	0.024	ng	# 41
33) Chrysene	21.206	228	214	0.026	ng	# 57
34) Bis(2-ethylhexyl)phtha...	21.099	149	438	0.163	ng	96

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

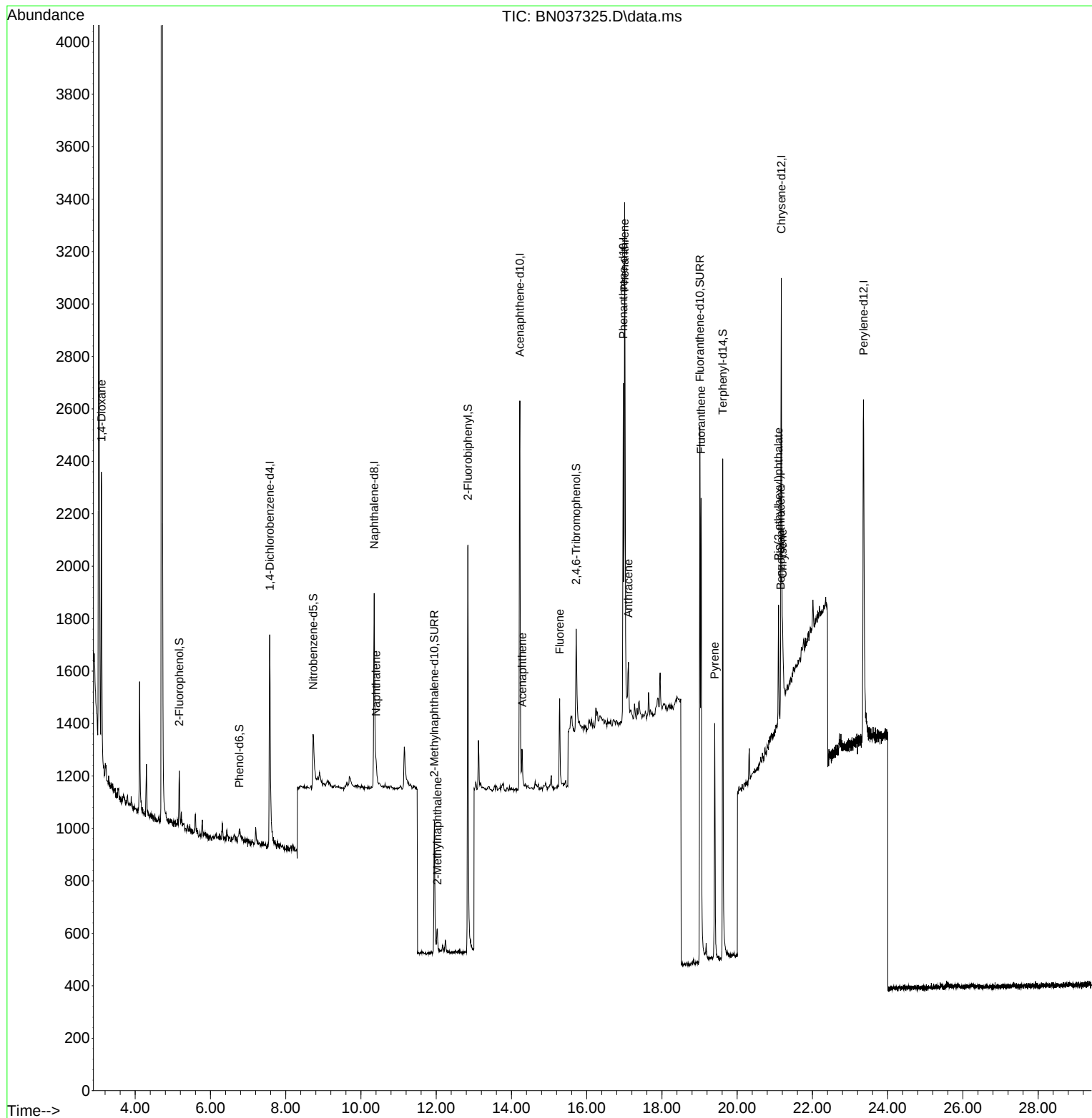
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061925\
Data File : BN037325.D
Acq On : 18 Jun 2025 22:39
Operator : RC/JU
Sample : Q2329-10
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ALS Vial : 14 Sample Multiplier: 1

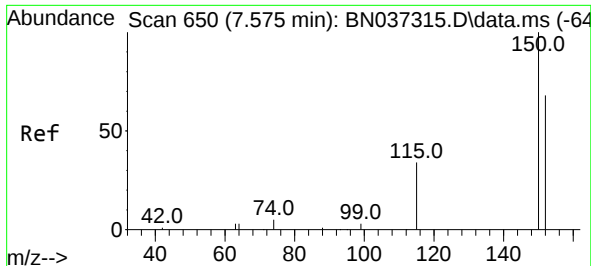
Instrument :
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Quant Time: Jun 19 02:40:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061925.M
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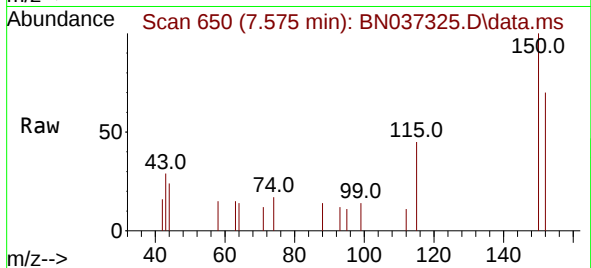
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.575 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN037325.D
 Acq: 18 Jun 2025 22:39

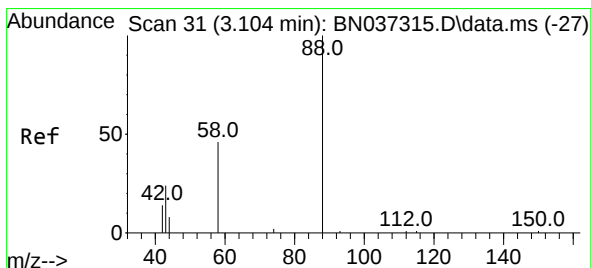
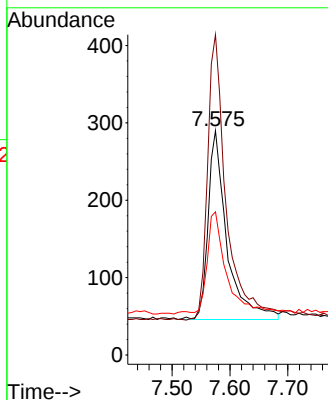
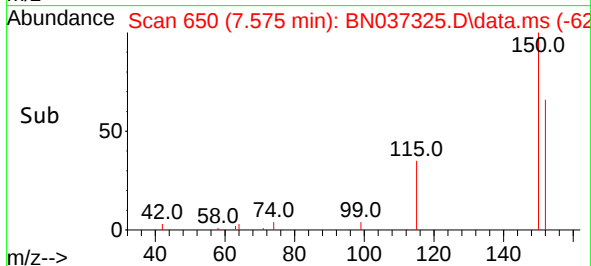
Instrument :
 BNA_N
 ClientSampleId :
 TT172S1-20250613



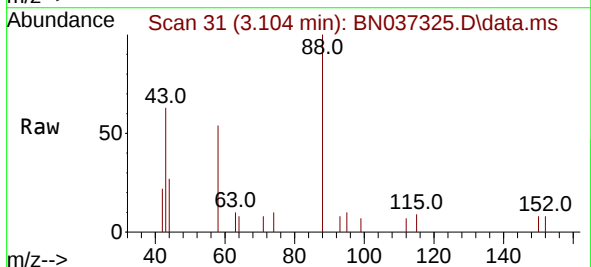
Tgt Ion: 152 Resp: 552
 Ion Ratio Lower Upper
 152 100
 150 142.8 112.7 169.1
 115 63.8 45.9 68.9

Manual Integrations
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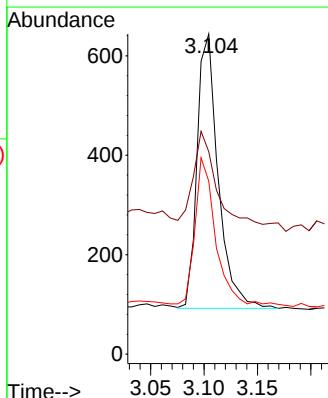
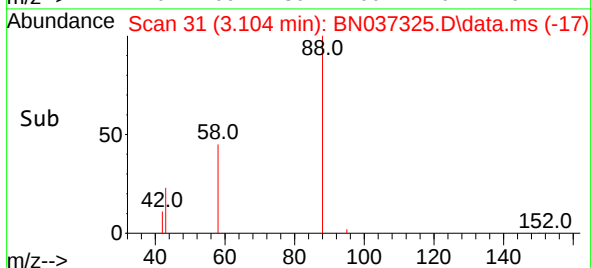
Reviewed By :Anahy Claudio 06/19/2025
 Supervised By :mohammad ahmed 06/23/2025

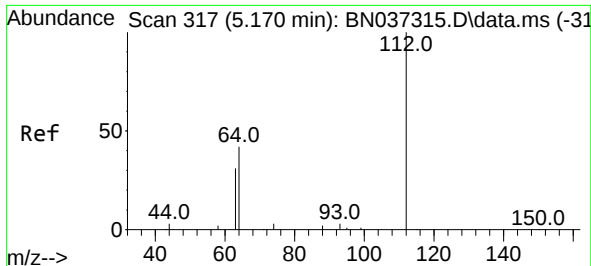


#2
 1,4-Dioxane
 Concen: 1.542 ng
 RT: 3.104 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN037325.D
 Acq: 18 Jun 2025 22:39



Tgt Ion: 88 Resp: 760
 Ion Ratio Lower Upper
 88 100
 43 45.4 21.0 31.6#
 58 52.5 38.0 57.0





#4

2-Fluorophenol

Concen: 0.174 ng

RT: 5.170 min Scan# 317

Delta R.T. -0.000 min

Lab File: BN037325.D

Acq: 18 Jun 2025 22:39

Instrument :

BNA_N

ClientSampleId :

TT172S1-20250613

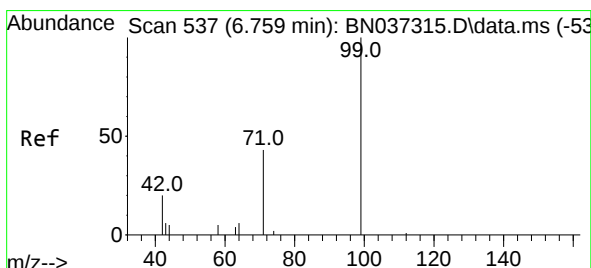
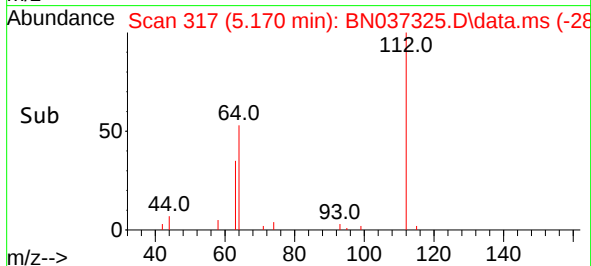
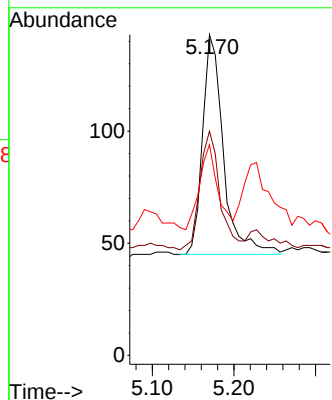
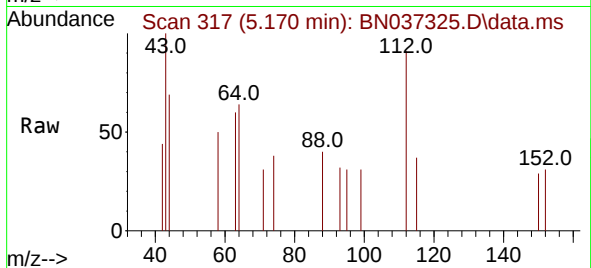
Tgt Ion: 112 Resp: 179

Ion	Ratio	Lower	Upper
112	100		
64	51.4	38.7	58.1
63	34.9	26.4	39.6

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#5

Phenol-d6

Concen: 0.090 ng

RT: 6.766 min Scan# 538

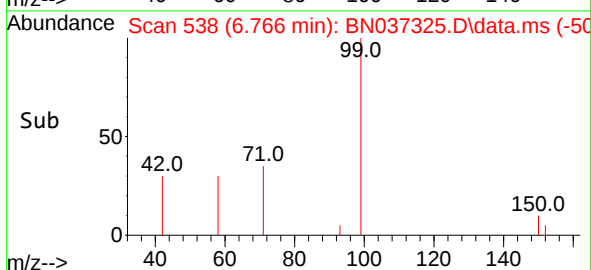
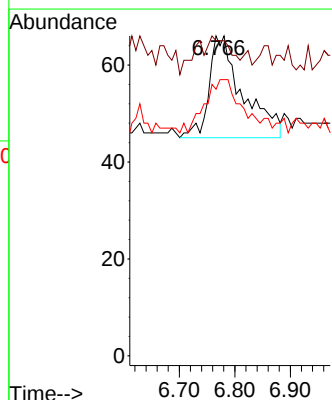
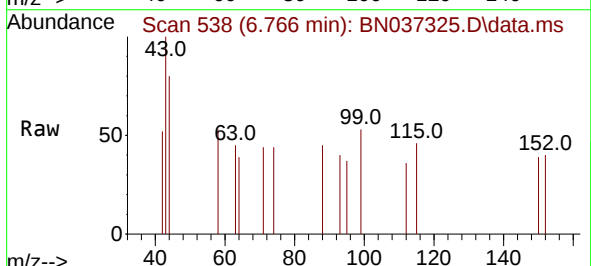
Delta R.T. 0.007 min

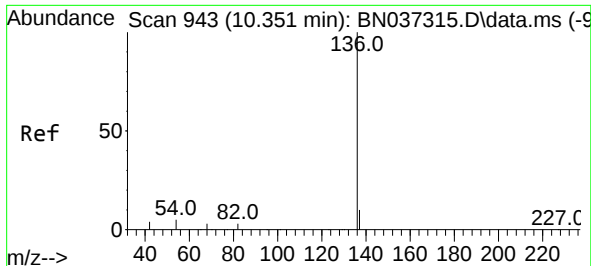
Lab File: BN037325.D

Acq: 18 Jun 2025 22:39

Tgt Ion: 99 Resp: 89

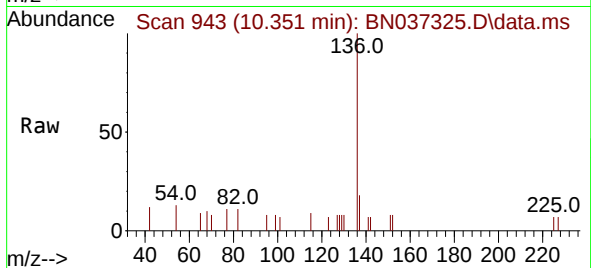
Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.8	29.8
71	55.1	42.6	64.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

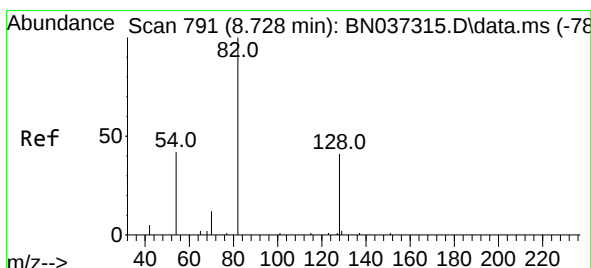
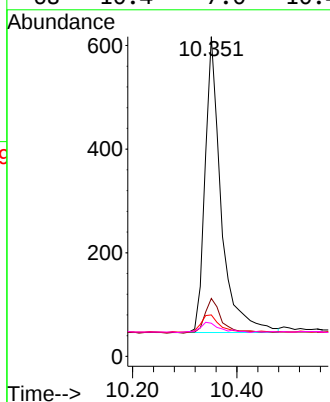
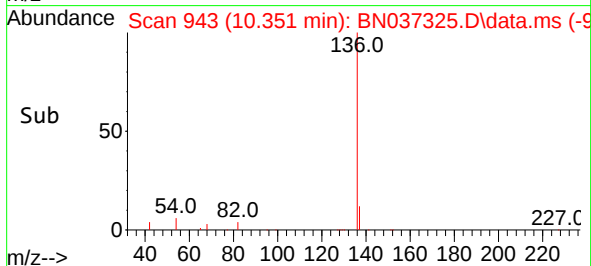
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



Tgt Ion	Ratio	Lower	Upper
136	100		
137	18.2	12.2	18.2
54	13.0	8.8	13.2
68	10.4	7.0	10.4

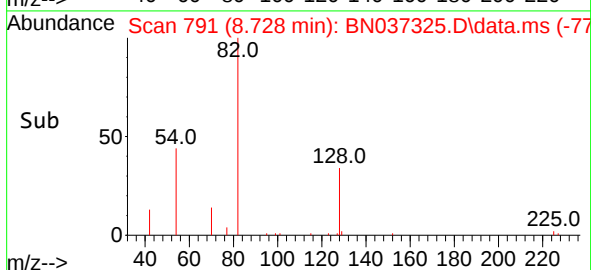
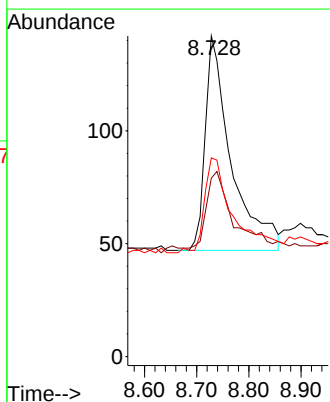
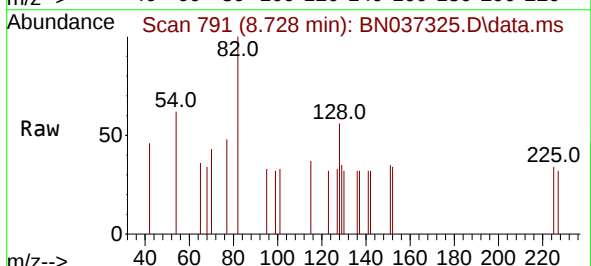
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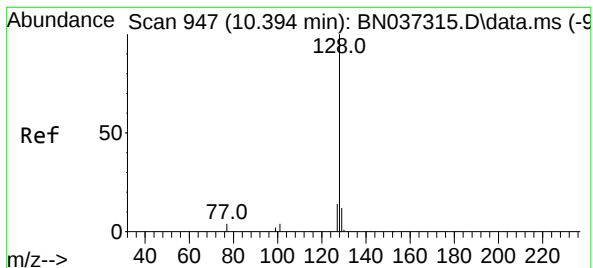
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.6	42.5	63.7
54	62.0	43.2	64.8





#9

Naphthalene

Concen: 0.031 ng

RT: 10.404 min Scan# 947

Delta R.T. 0.011 min

Lab File: BN037325.D

Acq: 18 Jun 2025 22:39

Instrument :

BNA_N

ClientSampleId :

TT172S1-20250613

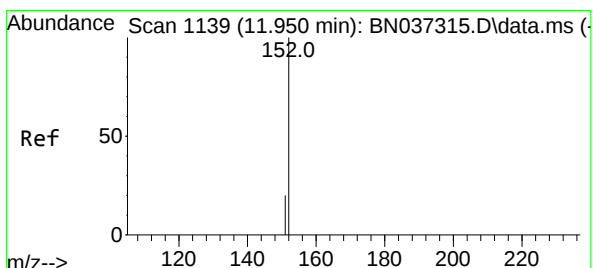
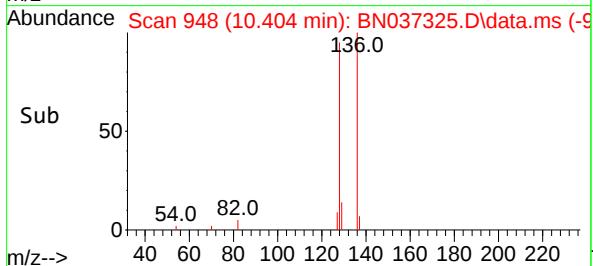
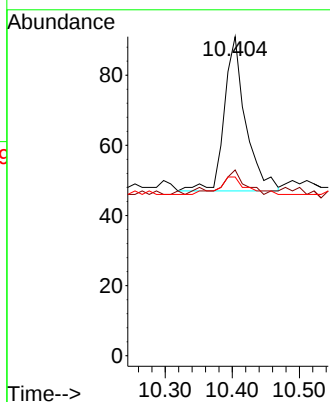
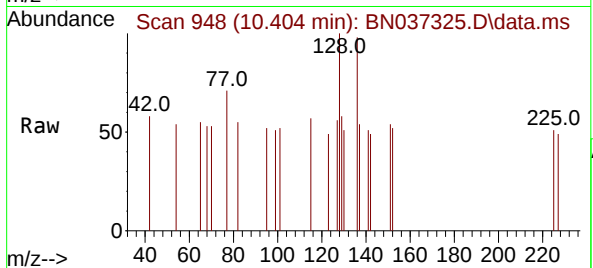
Tgt Ion:128 Resp: 97

Ion	Ratio	Lower	Upper
128	100		
129	58.2	14.0	21.0
127	56.0	15.8	23.8

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2025



#11

2-Methylnaphthalene-d10

Concen: 0.415 ng

RT: 11.950 min Scan# 1139

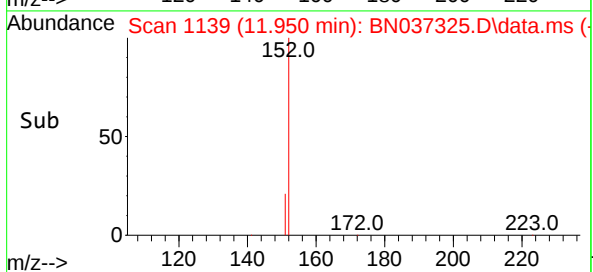
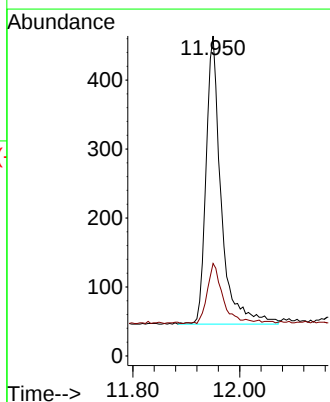
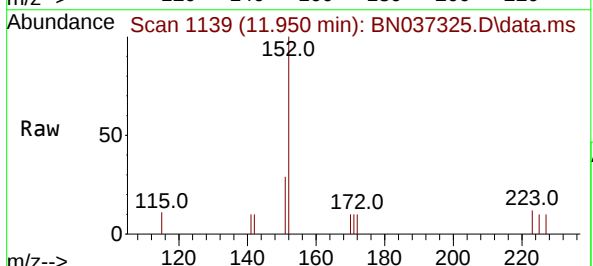
Delta R.T. -0.000 min

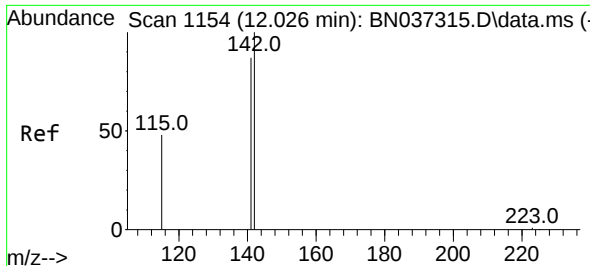
Lab File: BN037325.D

Acq: 18 Jun 2025 22:39

Tgt Ion:152 Resp: 825

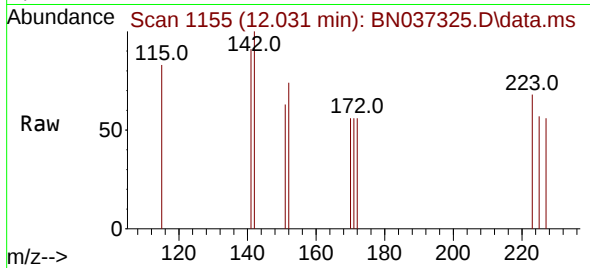
Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.4	26.0





#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.031 min Scan# 1155
Delta R.T. 0.005 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

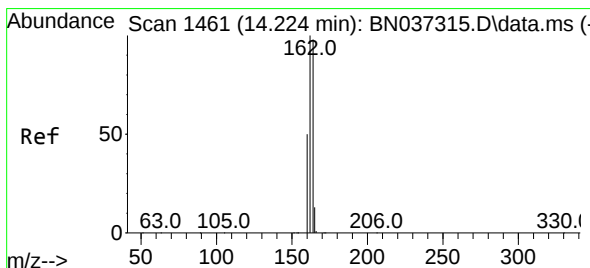
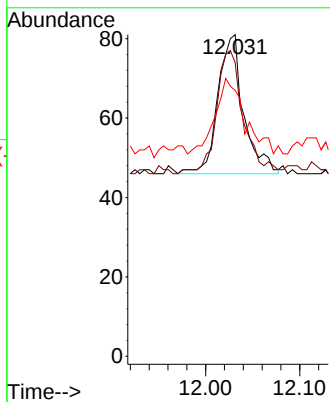
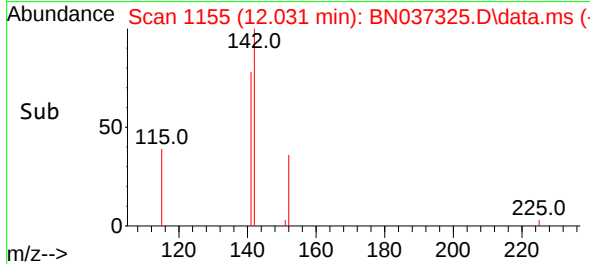
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
141 91.4 70.2 105.2
115 82.7 43.0 64.4

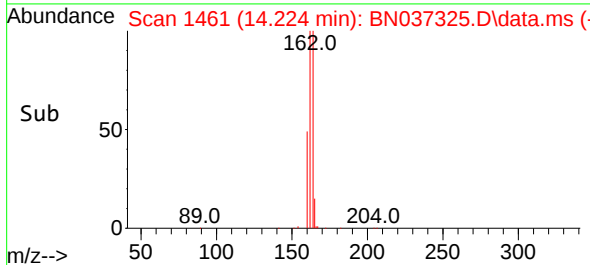
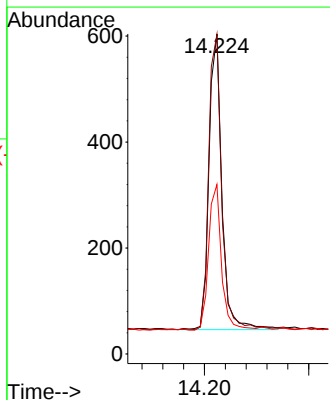
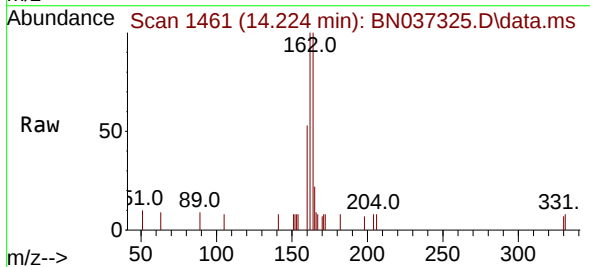
Manual Integrations
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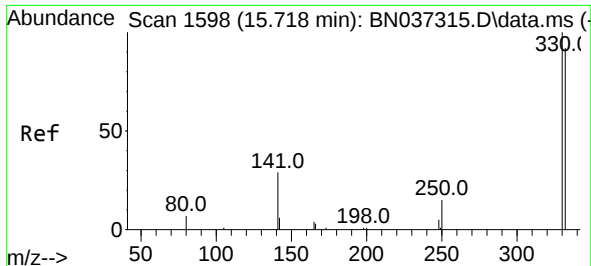
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

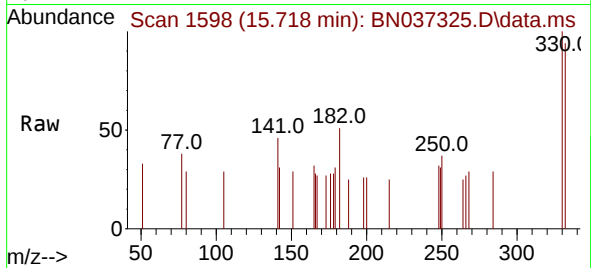
Tgt Ion:164 Resp: 954
Ion Ratio Lower Upper
164 100
162 99.8 81.5 122.3
160 53.0 43.0 64.4





#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

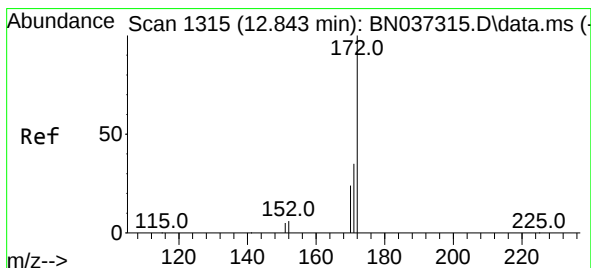
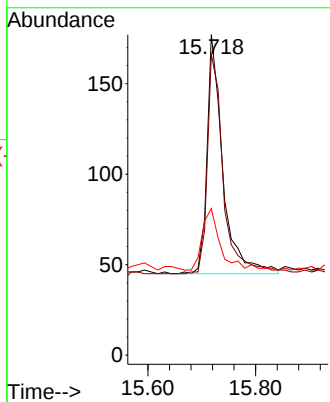
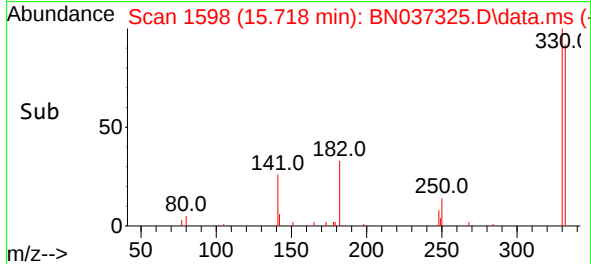
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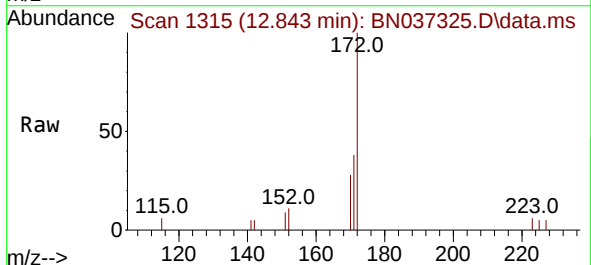
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Ion Ratio Lower Upper
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332 93.3 78.4 117.6
141 29.7 24.4 36.6

Manual Integrations
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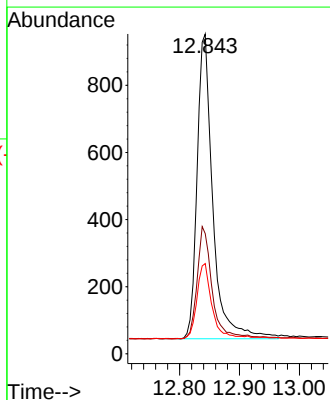
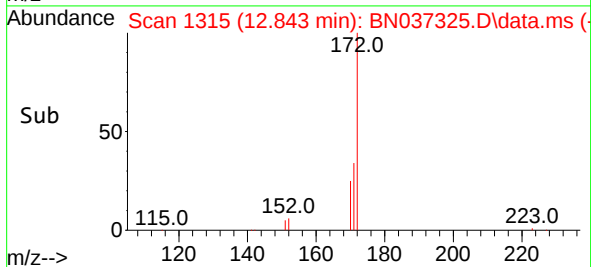
Reviewed By :Anahy Claudio 06/19/2025
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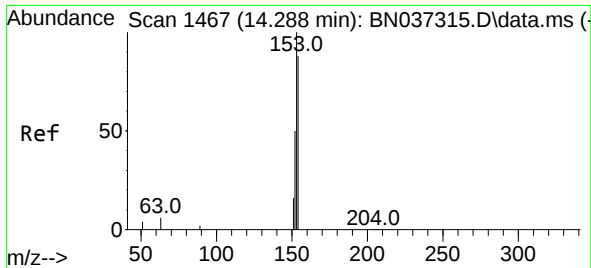


#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 12.843 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39



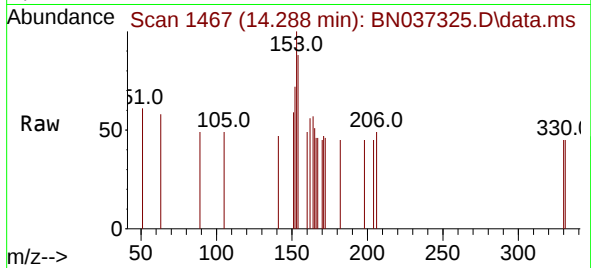
Tgt Ion:172 Resp: 1653
Ion Ratio Lower Upper
172 100
171 37.6 30.8 46.2
170 28.2 21.9 32.9





#17
Acenaphthene
Concen: 0.029 ng
RT: 14.288 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

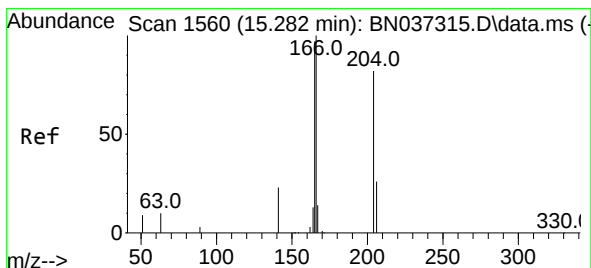
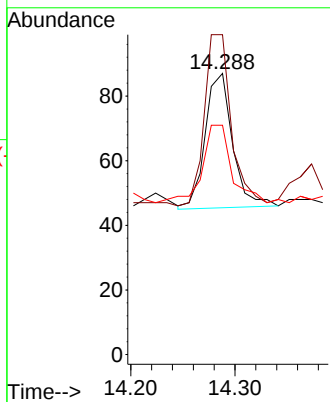
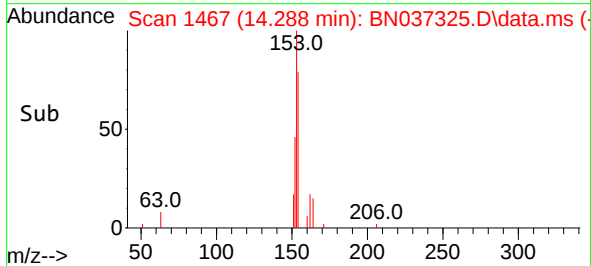
Instrument :
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TT172S1-20250613



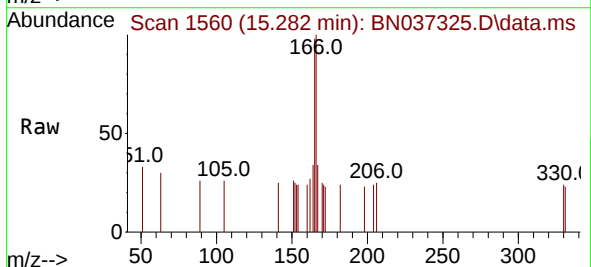
Tgt Ion:154 Resp: 70
Ion Ratio Lower Upper
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153 126.3 93.1 139.7
152 61.8 48.6 73.0

Manual Integrations
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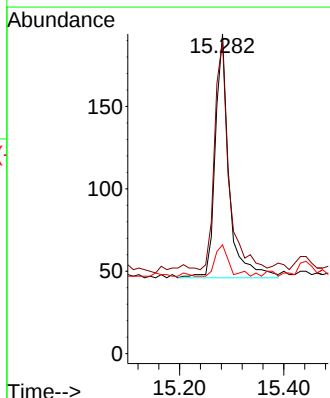
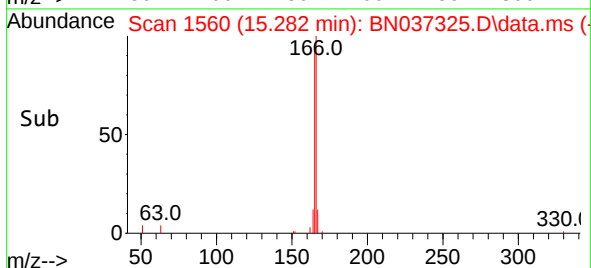
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025

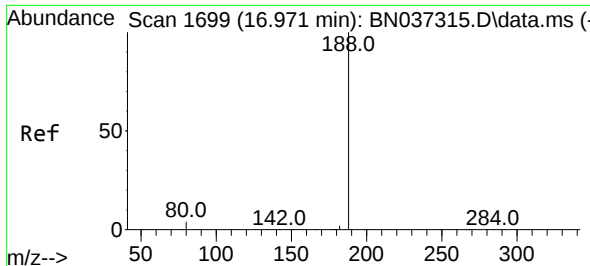


#18
Fluorene
Concen: 0.072 ng
RT: 15.282 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39



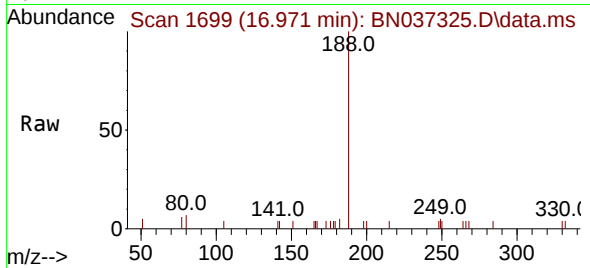
Tgt Ion:166 Resp: 271
Ion Ratio Lower Upper
166 100
165 97.0 79.5 119.3
167 11.8 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

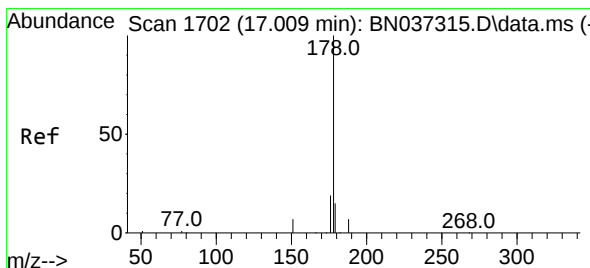
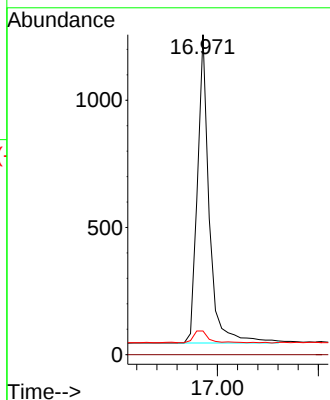
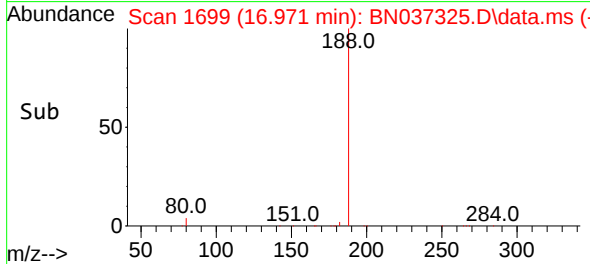
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



Tgt Ion:188 Resp: 1970
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.4 6.2 9.2

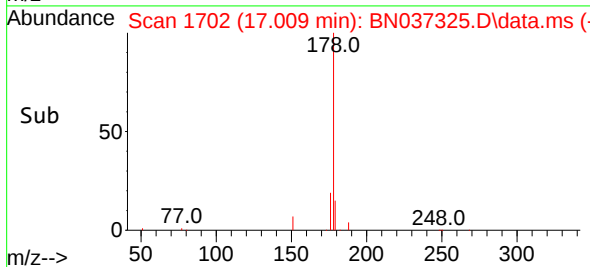
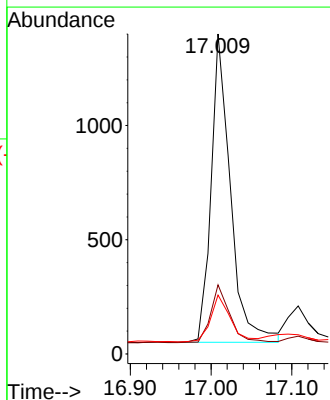
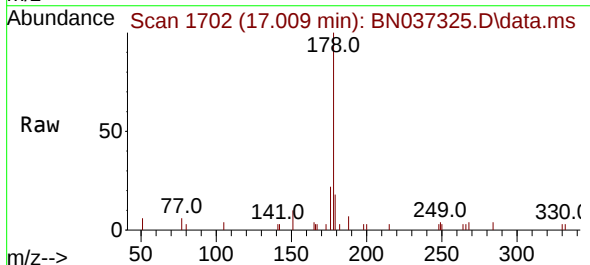
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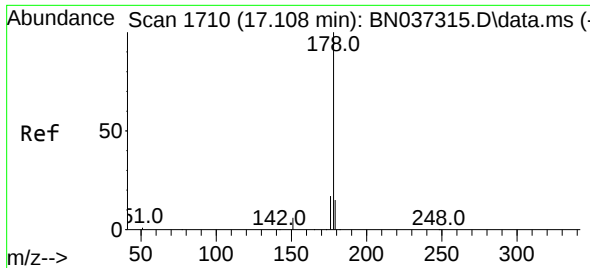
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



#25
Phenanthrene
Concen: 0.404 ng
RT: 17.009 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

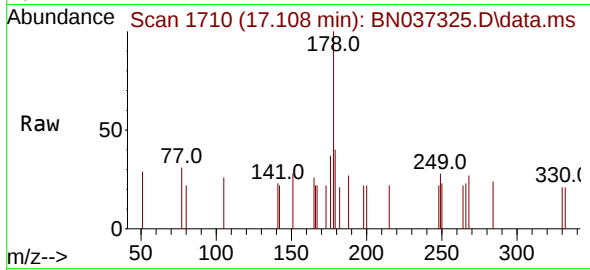
Tgt Ion:178 Resp: 2246
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.7 12.9 19.3





#26
 Anthracene
 Concen: 0.047 ng m
 RT: 17.108 min Scan# 1710
 Delta R.T. -0.000 min
 Lab File: BN037325.D
 Acq: 18 Jun 2025 22:39

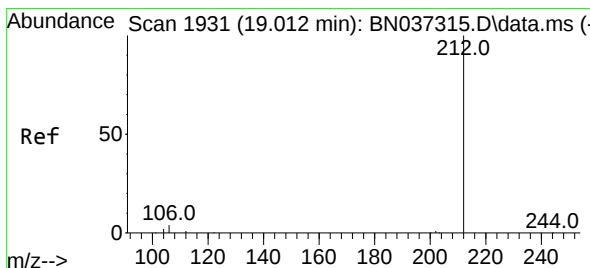
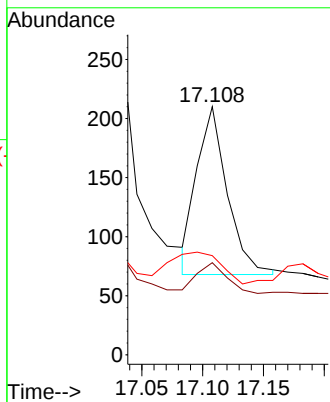
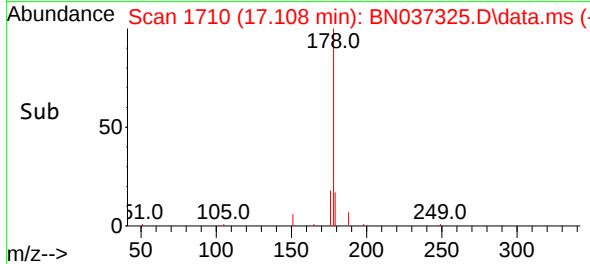
Instrument :
 BNA_N
 ClientSampleId :
 TT172S1-20250613



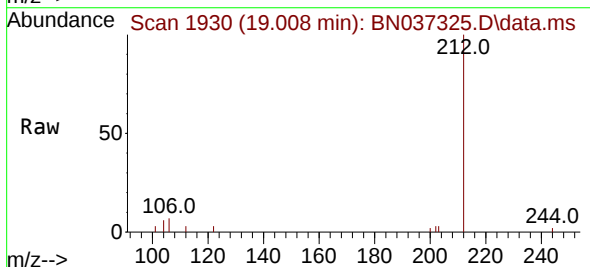
Tgt Ion:178 Resp: 247
 Ion Ratio Lower Upper
 178 100
 176 165.6 14.7 22.1
 179 142.5 13.0 19.6

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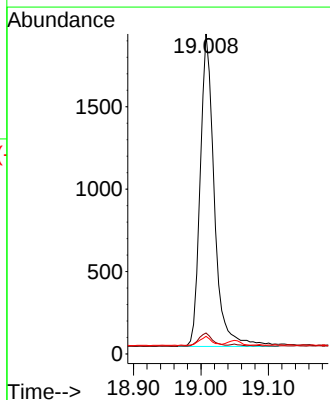
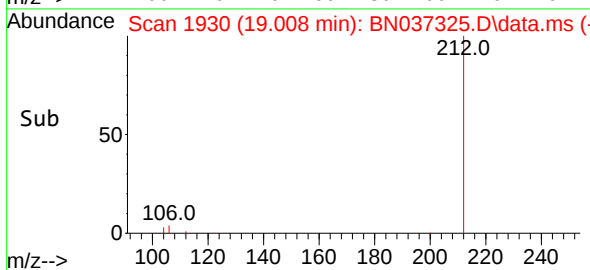
Reviewed By :Anahy Claudio 06/19/2025
 Supervised By :mohammad ahmed 06/23/2025

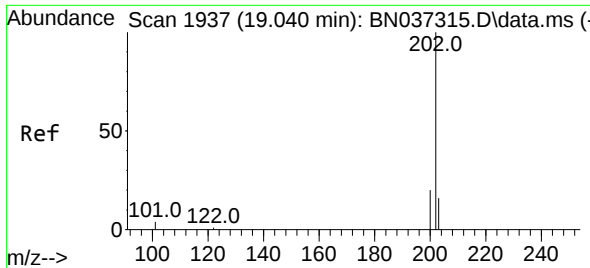


#27
 Fluoranthene-d10
 Concen: 0.442 ng
 RT: 19.008 min Scan# 1930
 Delta R.T. -0.005 min
 Lab File: BN037325.D
 Acq: 18 Jun 2025 22:39



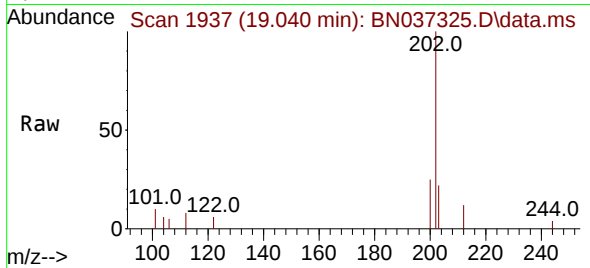
Tgt Ion:212 Resp: 2771
 Ion Ratio Lower Upper
 212 100
 106 4.0 3.0 4.4
 104 2.4 2.0 3.0





#28
Fluoranthene
Concen: 0.219 ng
RT: 19.040 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

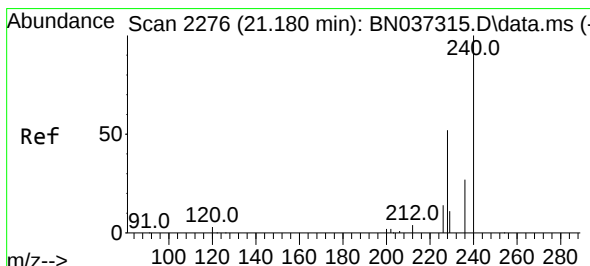
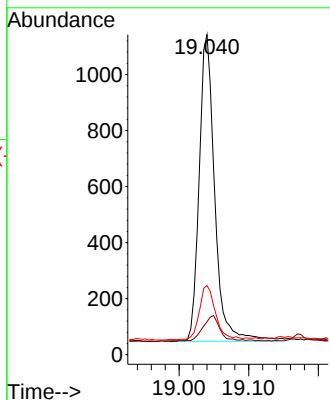
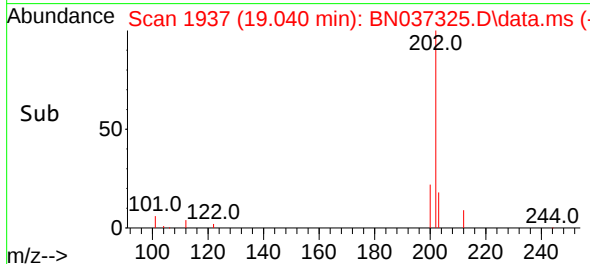
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



Tgt Ion:202 Resp: 1694
Ion Ratio Lower Upper
202 100
101 8.6 3.0 4.6
203 18.2 13.7 20.5

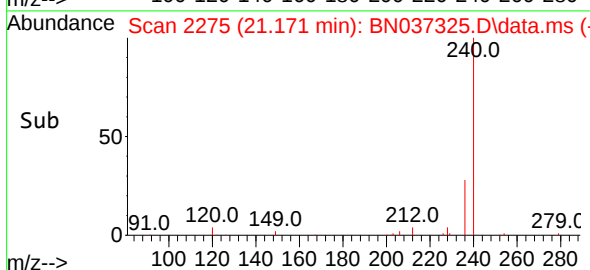
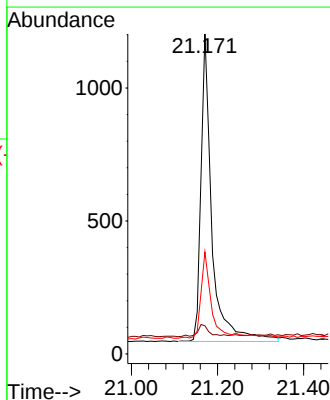
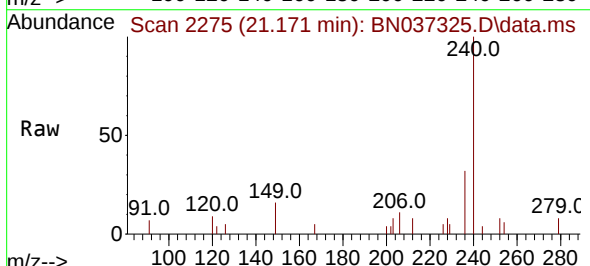
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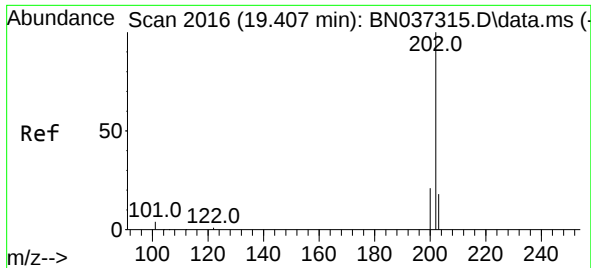
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.009 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

Tgt Ion:240 Resp: 2039
Ion Ratio Lower Upper
240 100
120 8.8 7.5 11.3
236 31.9 24.9 37.3





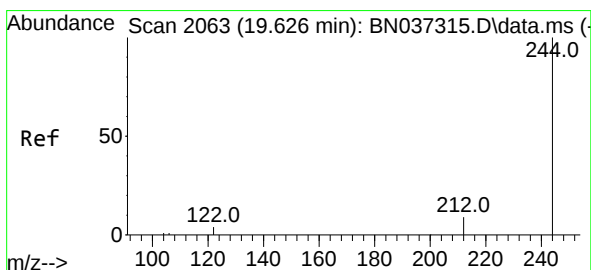
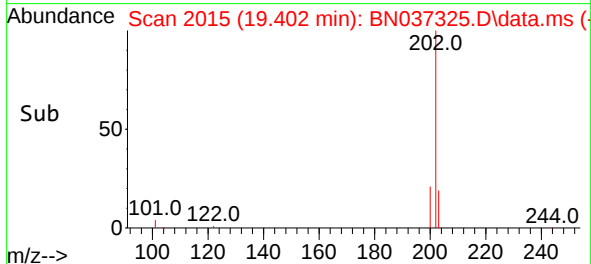
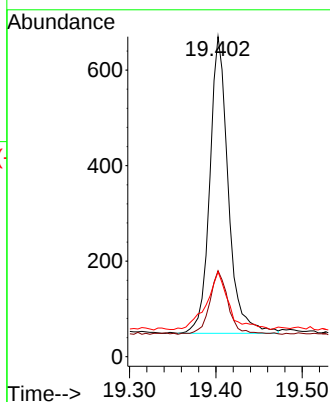
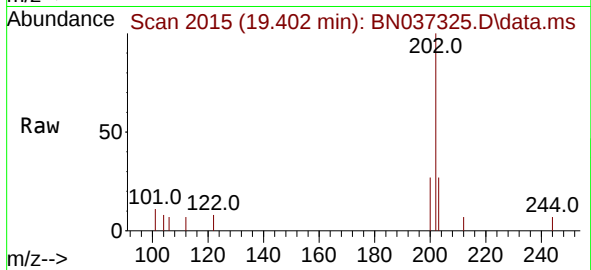
#30
Pyrene
Concen: 0.119 ng
RT: 19.402 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613

Tgt Ion:	202	Resp:	920
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.8	25.2
203	23.2	14.5	21.7

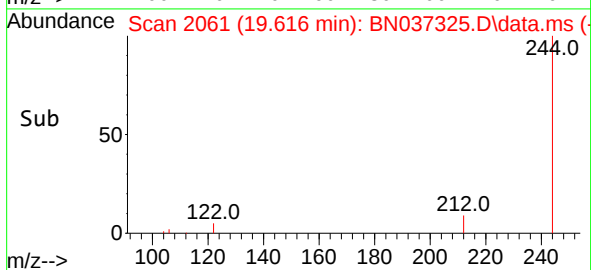
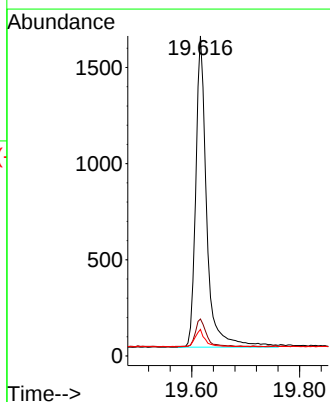
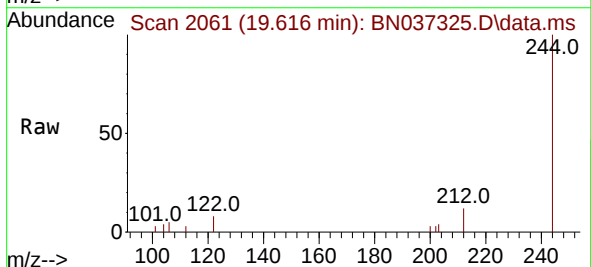
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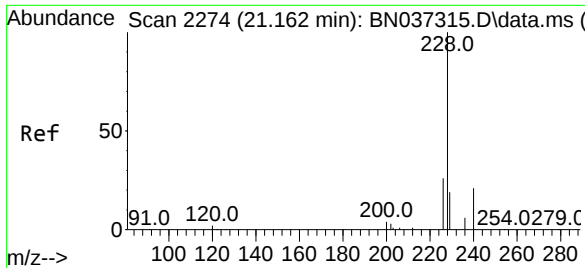
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#31
Terphenyl-d14
Concen: 0.487 ng
RT: 19.616 min Scan# 2061
Delta R.T. -0.009 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

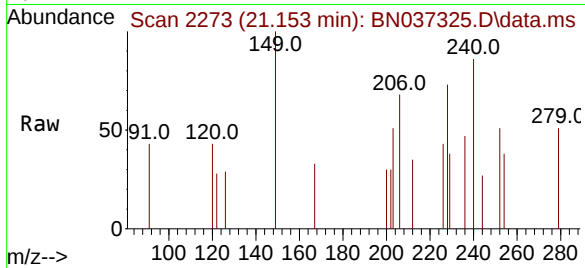
Tgt Ion:	244	Resp:	2279
Ion Ratio	Lower	Upper	
244	100		
212	11.5	11.1	16.7
122	8.3	7.2	10.8





#32
Benzo(a)anthracene
Concen: 0.024 ng
RT: 21.153 min Scan# 21153
Delta R.T. -0.009 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

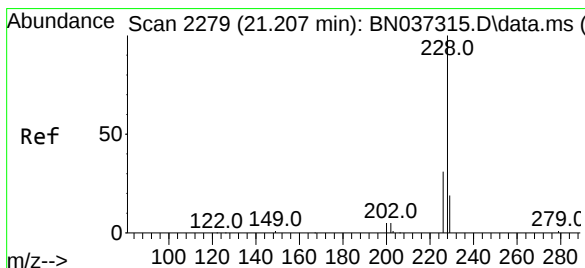
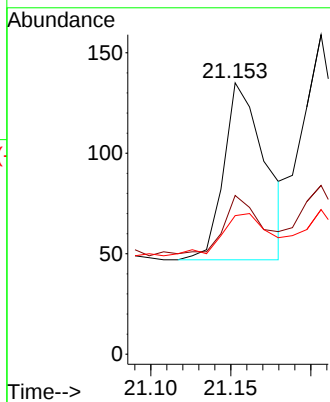
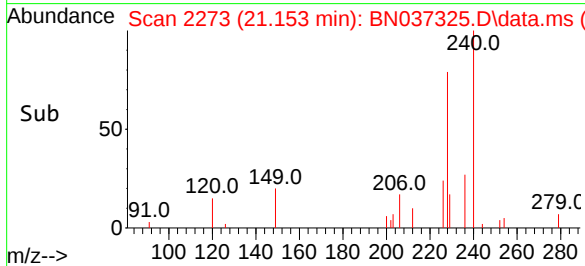
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



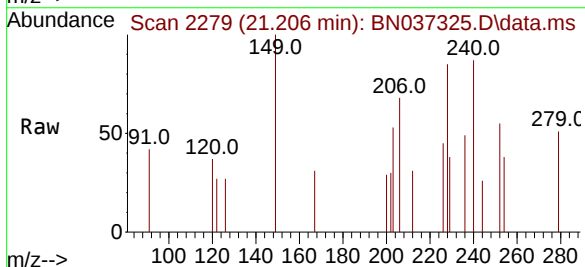
Tgt Ion:228 Resp: 158
Ion Ratio Lower Upper
228 100
226 58.5 23.0 34.4#
229 51.1 17.4 26.0#

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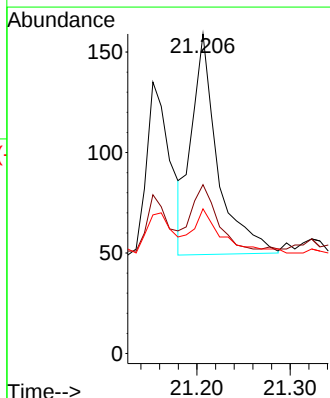
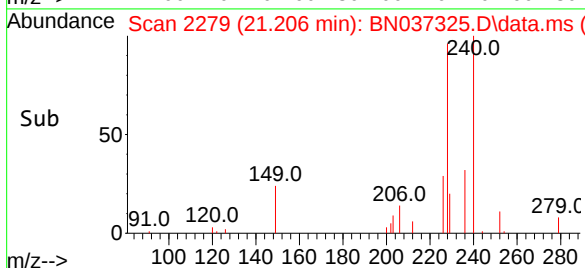
Reviewed By :Anahy Claudio 06/19/2025
Supervised By :mohammad ahmed 06/23/2025

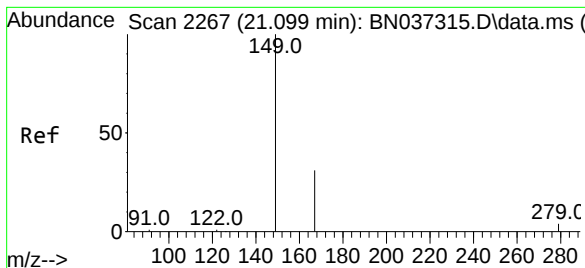


#33
Chrysene
Concen: 0.026 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39



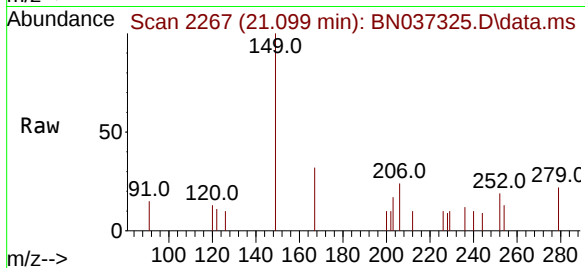
Tgt Ion:228 Resp: 214
Ion Ratio Lower Upper
228 100
226 52.8 25.4 38.2#
229 45.3 17.3 25.9#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.163 ng
RT: 21.099 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39

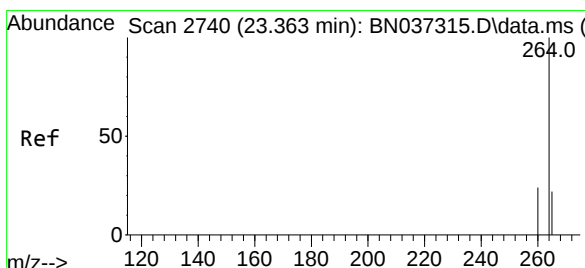
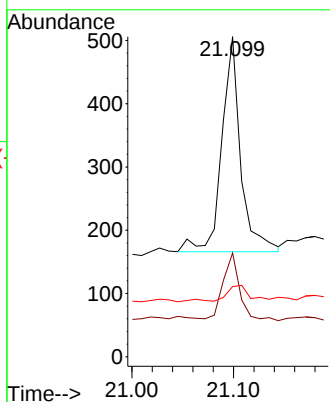
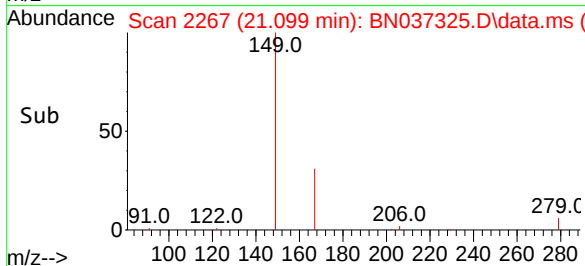
Instrument :
BNA_N
ClientSampleId :
TT172S1-20250613



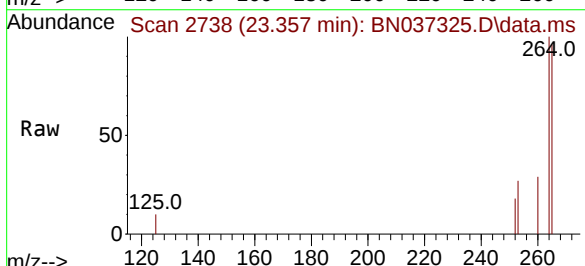
Tgt Ion:149 Resp: 438
Ion Ratio Lower Upper
149 100
167 28.1 24.6 37.0
279 8.2 6.5 9.7

Manual Integrations
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Supervised By :mohammad ahmed 06/23/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.357 min Scan# 2738
Delta R.T. -0.006 min
Lab File: BN037325.D
Acq: 18 Jun 2025 22:39



Tgt Ion:264 Resp: 2136
Ion Ratio Lower Upper
264 100
260 29.4 21.4 32.2
265 96.5 71.4 107.0

