

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022424\
 Data File : BN030035.D
 Acq On : 25 Feb 2024 19:07
 Operator : MA/JU
 Sample : P1533-11
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20240219

Quant Time: Feb 26 02:52:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/26/2024
 Supervised By :mohammad ahmed 02/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3768	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	9788	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4341	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	9096	0.400	ng	# 0.00
29) Chrysene-d12	21.456	240	6803	0.400	ng	0.00
35) Perylene-d12	23.823	264	6367	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1085	0.120	ng	0.00
5) Phenol-d6	7.031	99	617	0.059	ng	0.00
8) Nitrobenzene-d5	9.025	82	2738	0.336	ng	0.01
11) 2-Methylnaphthalene-d10	12.250	152	4227	0.317	ng	0.00
14) 2,4,6-Tribromophenol	16.014	330	505	0.363	ng	0.01
15) 2-Fluorobiphenyl	13.132	172	8127	0.436	ng	0.01
27) Fluoranthene-d10	19.289	212	9710	0.441	ng	0.00
31) Terphenyl-d14	19.898	244	8076	0.478	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	1426	0.269	ng	# 58
12) 2-Methylnaphthalene	12.321	142	476	0.029	ng	# 72
17) Acenaphthene	14.564	154	278	0.020	ng	94
18) Fluorene	15.567	166	889	0.051	ng	99
21) 4-Bromophenyl-phenylether	16.461	248	261	0.048	ng	85
25) Phenanthrene	17.305	178	1451	0.054	ng	97
26) Anthracene	17.392	178	974	0.042	ng	96
28) Fluoranthene	19.322	202	1084	0.036	ng	# 94
30) Pyrene	19.684	202	933	0.030	ng	98
32) Benzo(a)anthracene	21.447	228	632	0.027	ng	# 79
33) Chrysene	21.492	228	670	0.025	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.384	149	1047	0.066	ng	98
37) Benzo(b)fluoranthene	23.110	252	1089	0.048	ng	# 21
41) Benzo(g,h,i)perylene	27.022	276	1209m	0.049	ng	

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

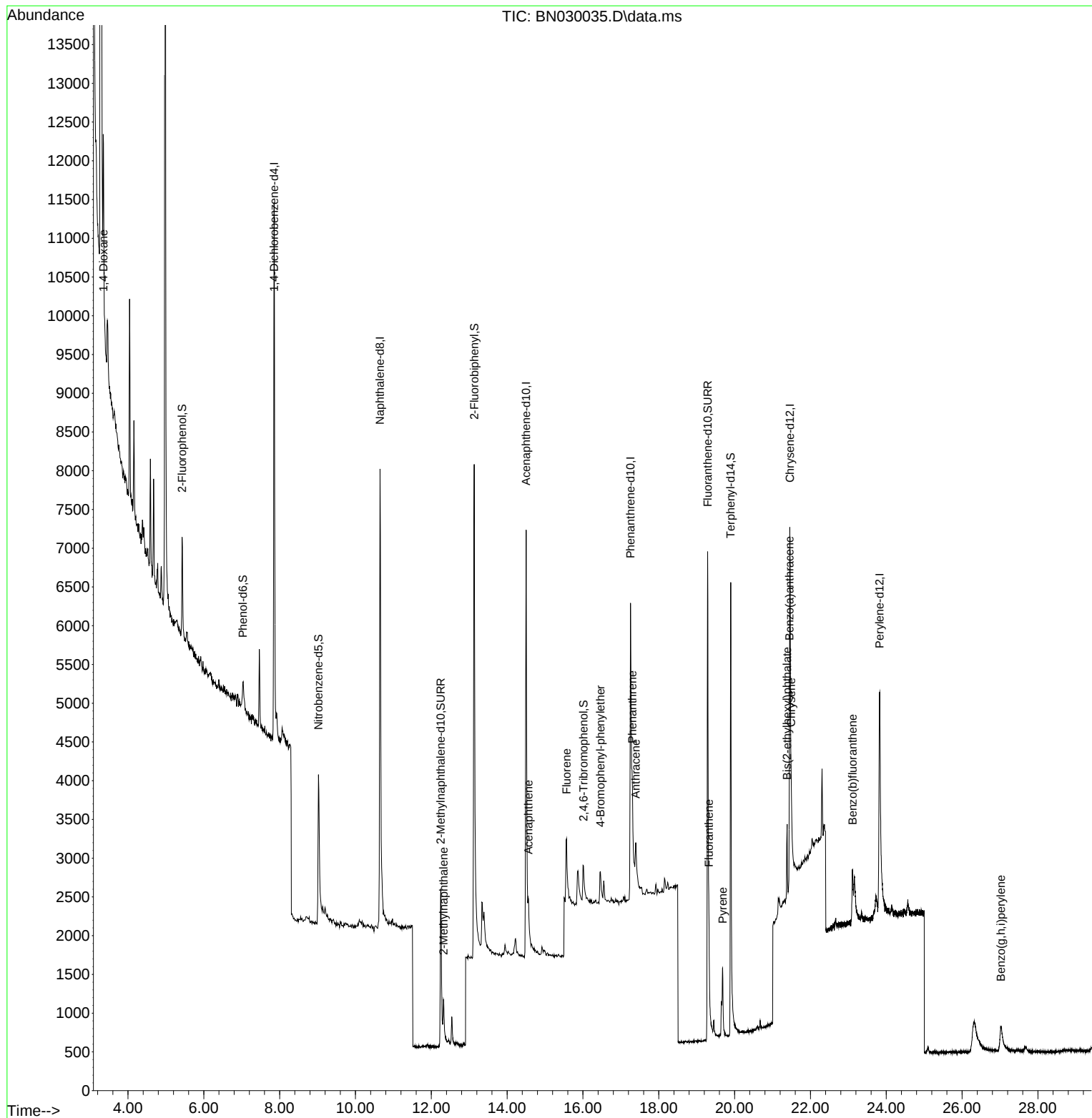
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022424\
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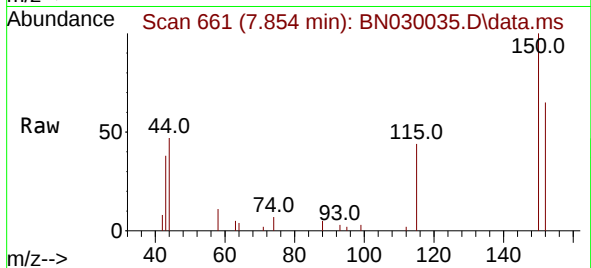
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Supervised By :mohammad ahmed 02/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

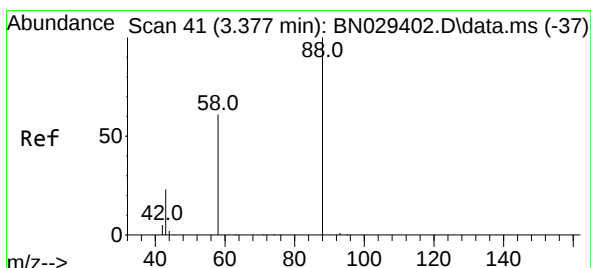
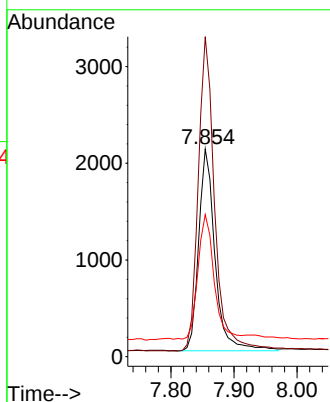
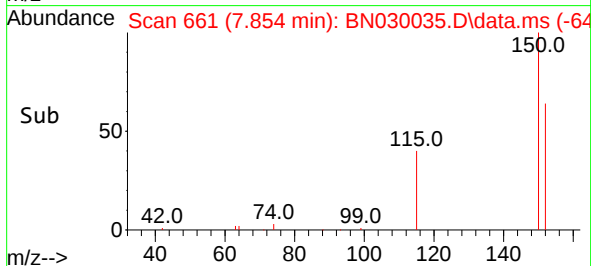
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion: 152 Resp: 3768
Ion Ratio Lower Upper
152 100
150 154.1 123.0 184.4
115 68.4 51.4 77.0

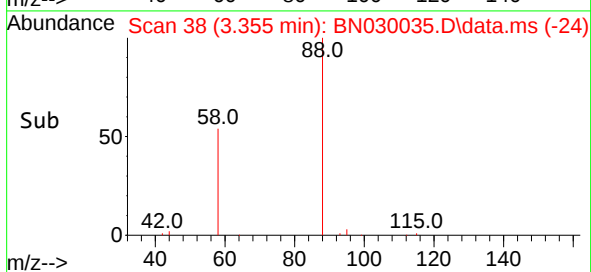
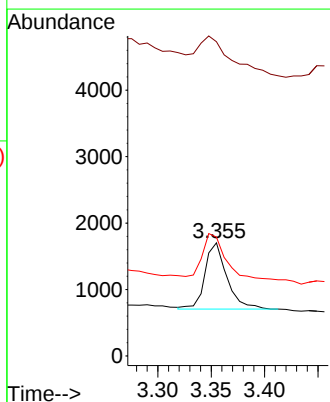
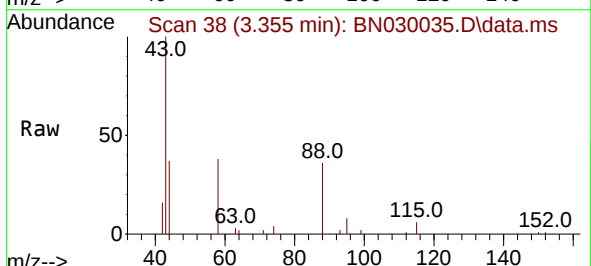
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#2
1,4-Dioxane
Concen: 0.269 ng
RT: 3.355 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

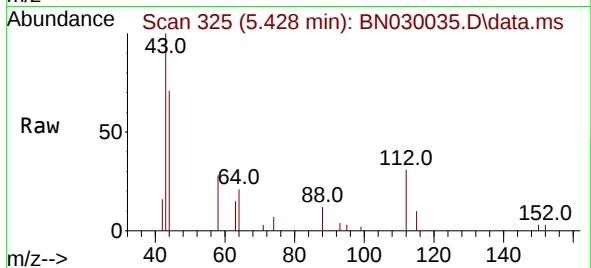
Tgt Ion: 88 Resp: 1426
Ion Ratio Lower Upper
88 100
43 92.8 23.3 34.9#
58 73.6 53.8 80.6





#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.428 min Scan# 311
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

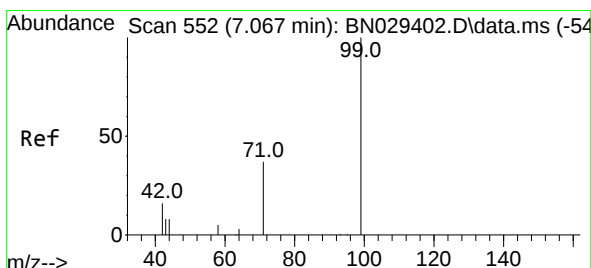
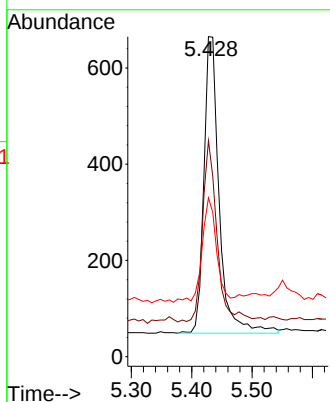
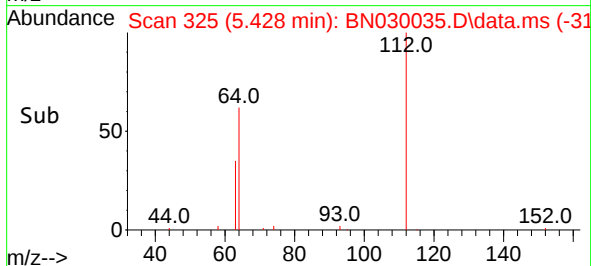
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion: 112 Resp: 1085
Ion Ratio Lower Upper
112 100
64 57.5 47.2 70.8
63 33.6 25.8 38.6

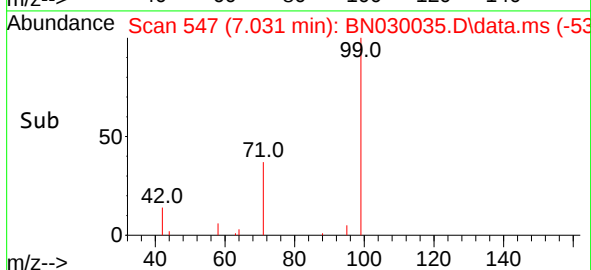
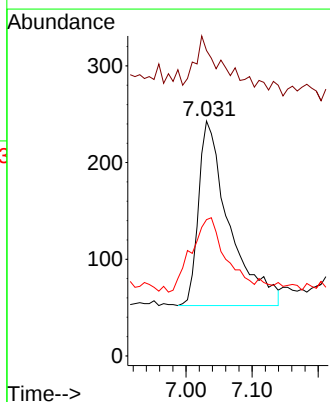
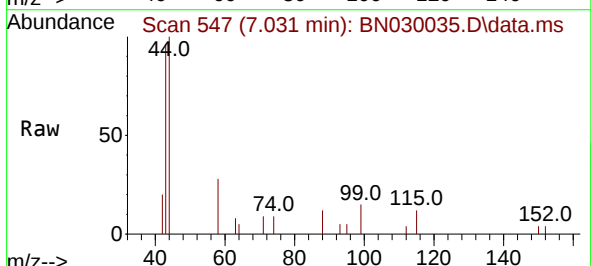
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#5
Phenol-d6
Concen: 0.059 ng
RT: 7.031 min Scan# 547
Delta R.T. 0.007 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

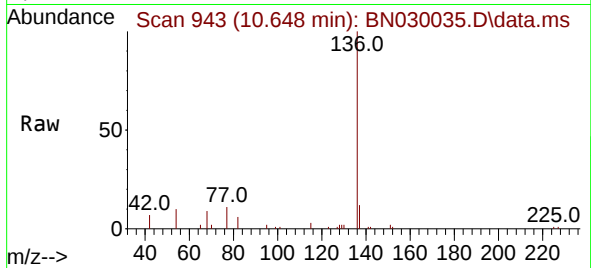
Tgt Ion: 99 Resp: 617
Ion Ratio Lower Upper
99 100
42 25.8 16.9 25.3#
71 45.4 30.0 45.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

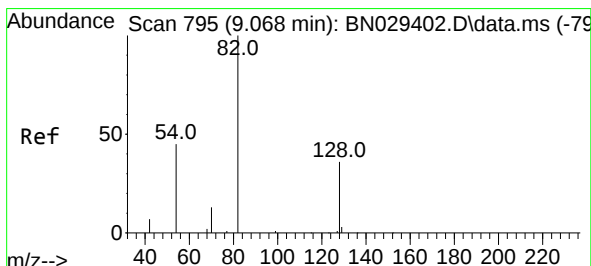
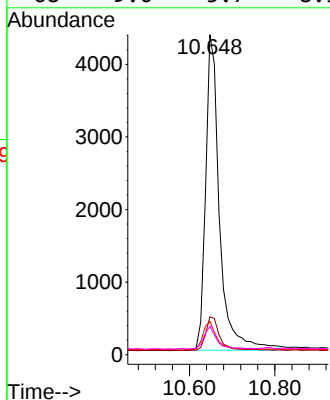
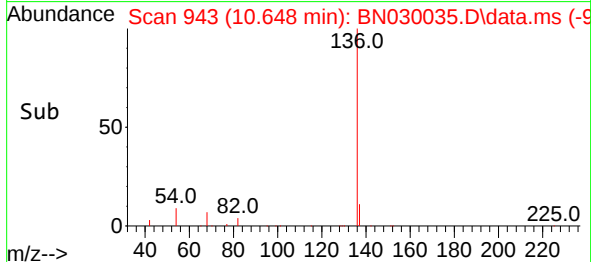
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion:136 Resp: 978
Ion Ratio Lower Upper
136 100
137 11.8 9.7 14.5
54 10.5 6.6 10.0
68 9.0 5.7 8.5#

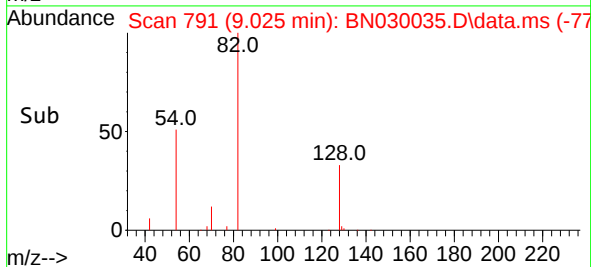
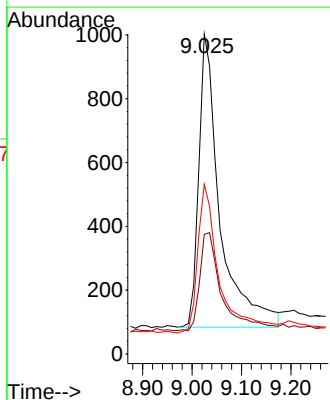
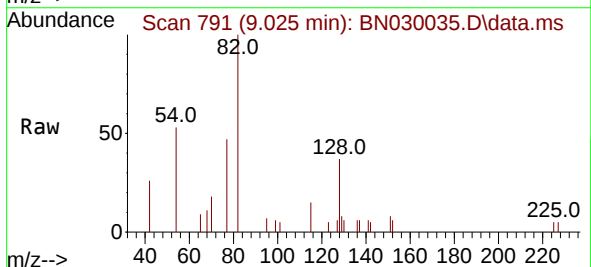
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#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

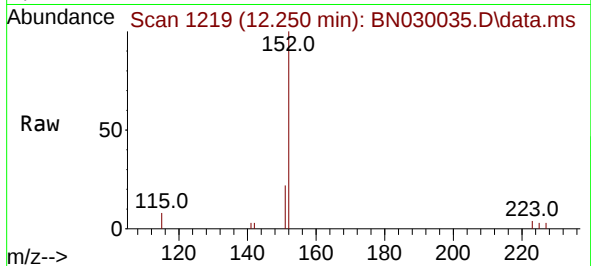
Tgt Ion: 82 Resp: 2738
Ion Ratio Lower Upper
82 100
128 37.4 31.6 47.4
54 53.0 38.2 57.4





#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.250 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

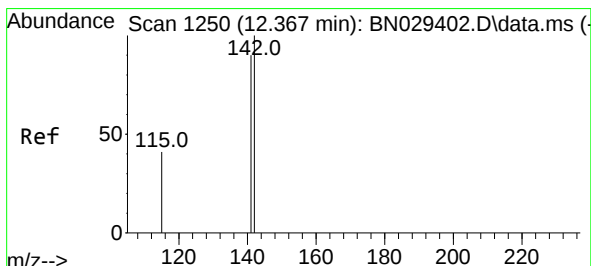
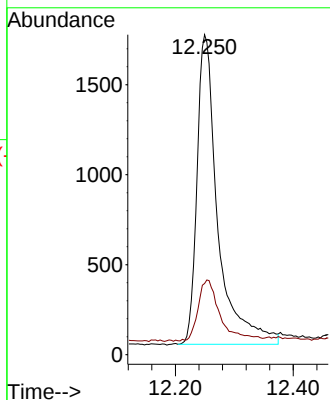
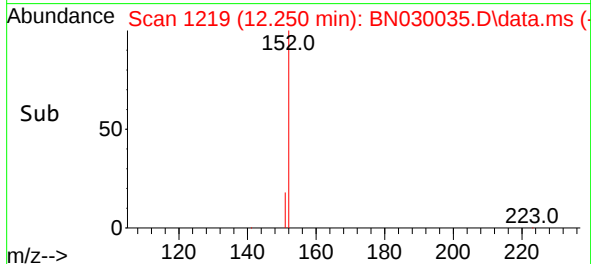
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



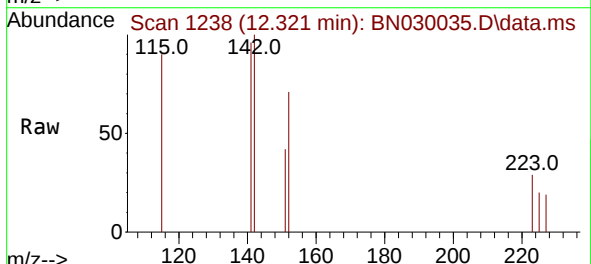
Tgt Ion:152 Resp: 422
Ion Ratio Lower Upper
152 100
151 21.3 17.1 25.7

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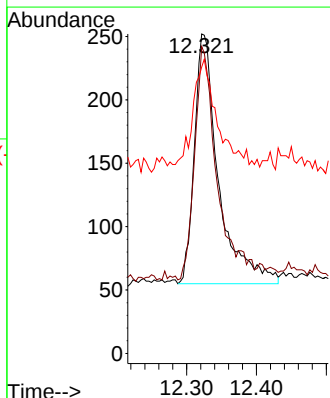
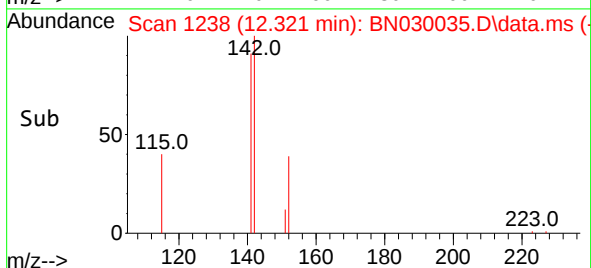
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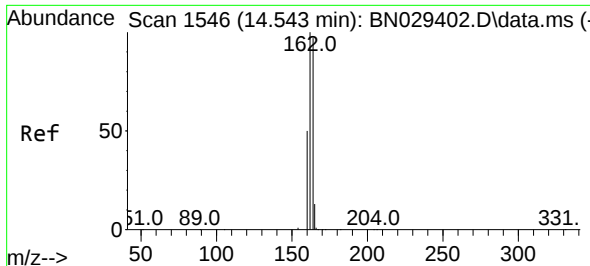


#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.321 min Scan# 1238
Delta R.T. 0.004 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07



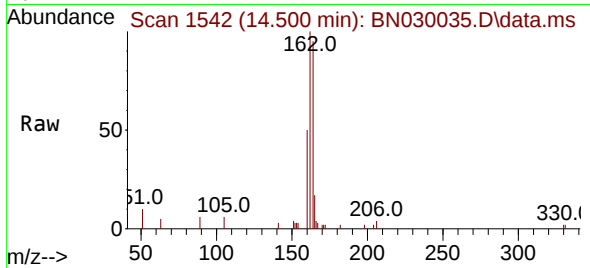
Tgt Ion:142 Resp: 476
Ion Ratio Lower Upper
142 100
141 96.0 71.9 107.9
115 89.7 33.9 50.9#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

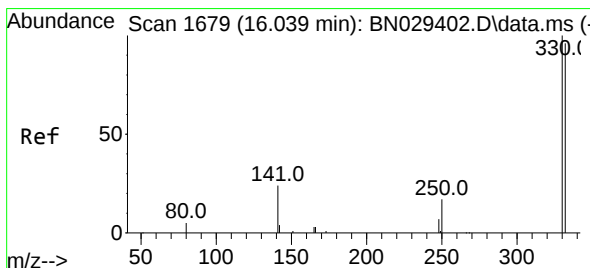
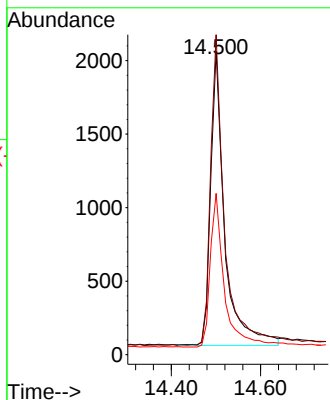
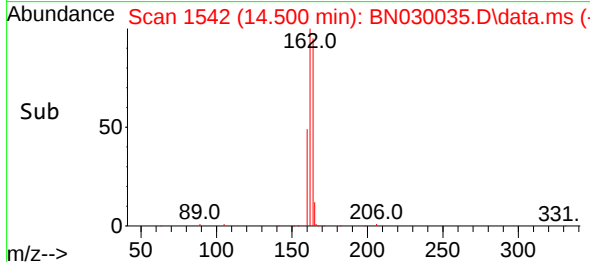
Instrument :
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RE117D1-20240219



Tgt Ion:164 Resp: 434
Ion Ratio Lower Upper
164 100
162 105.5 82.6 123.8
160 53.2 41.5 62.3

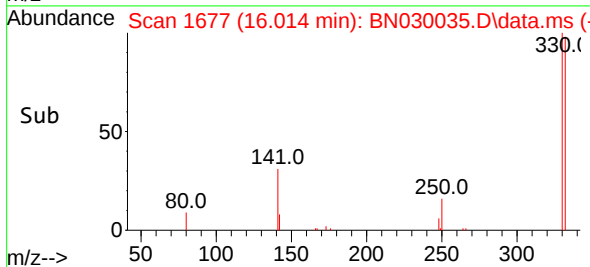
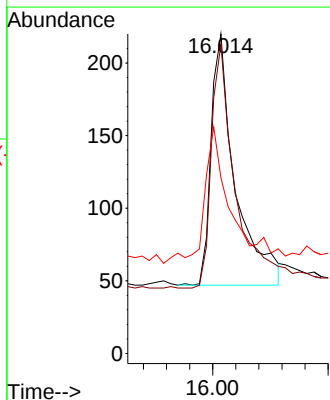
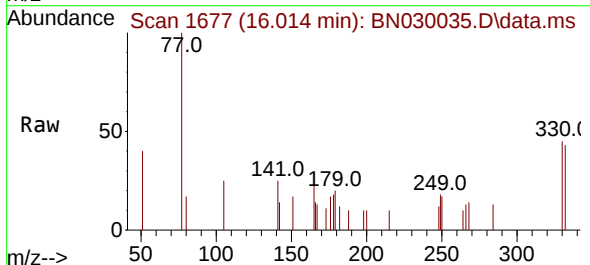
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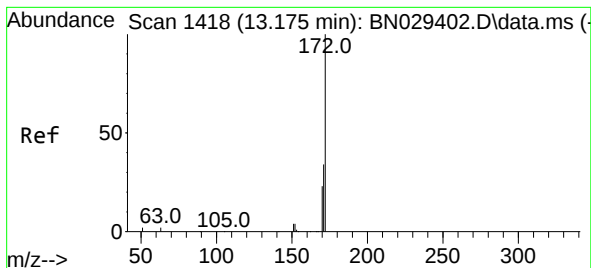
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 16.014 min Scan# 1677
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

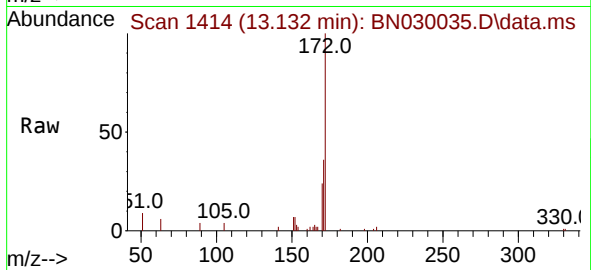
Tgt Ion:330 Resp: 505
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 47.7 43.4 65.2





#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.132 min Scan# 1418
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

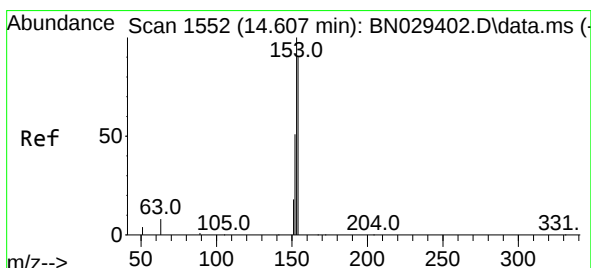
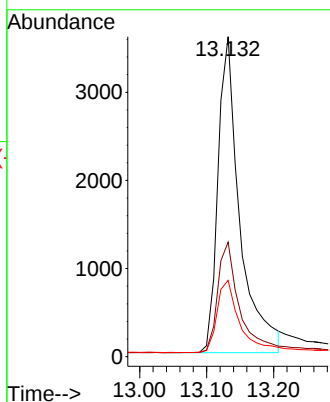
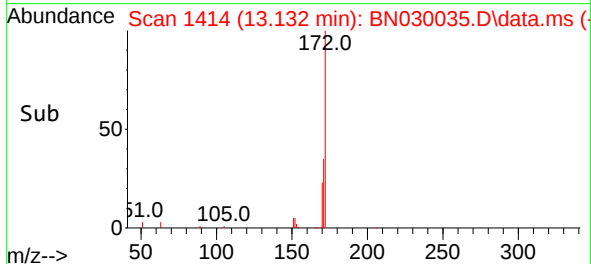
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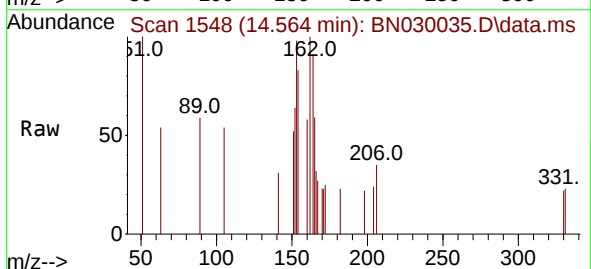
Tgt Ion:172 Resp: 812
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 23.9 18.7 28.1

Manual Integrations
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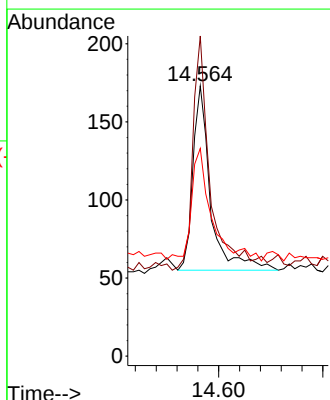
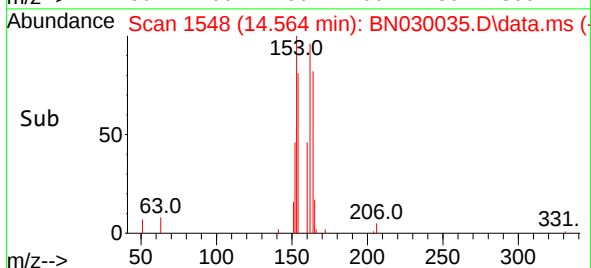
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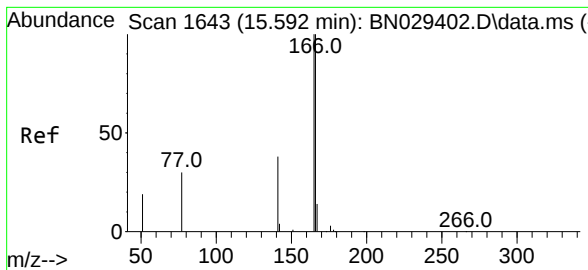


#17
Acenaphthene
Concen: 0.020 ng
RT: 14.564 min Scan# 1548
Delta R.T. 0.011 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07



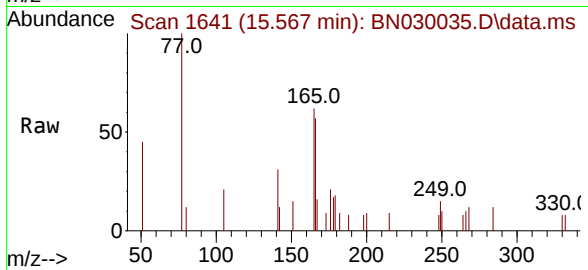
Tgt Ion:154 Resp: 278
Ion Ratio Lower Upper
154 100
153 123.7 93.6 140.4
152 55.8 48.6 73.0





#18
Fluorene
Concen: 0.051 ng
RT: 15.567 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

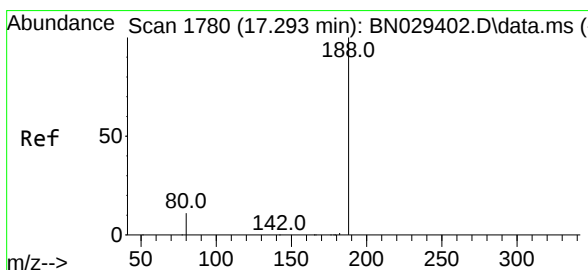
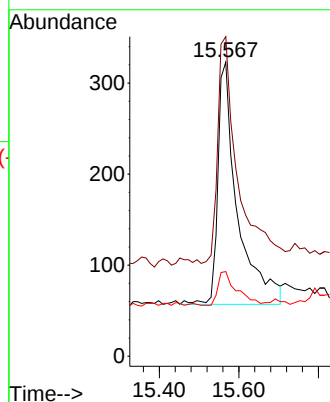
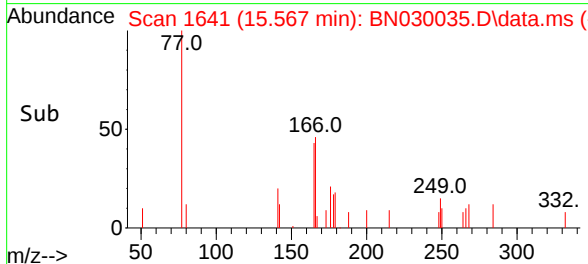
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion:166 Resp: 889
Ion Ratio Lower Upper
166 100
165 99.0 79.9 119.9
167 13.6 11.3 16.9

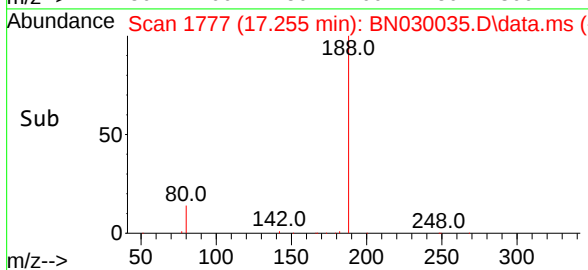
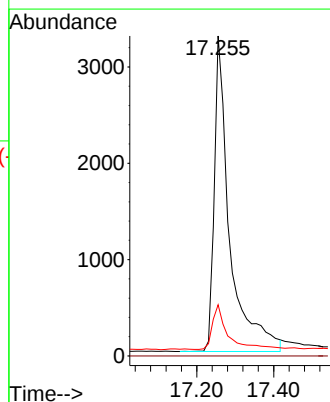
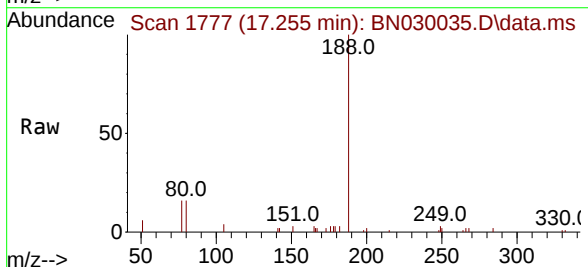
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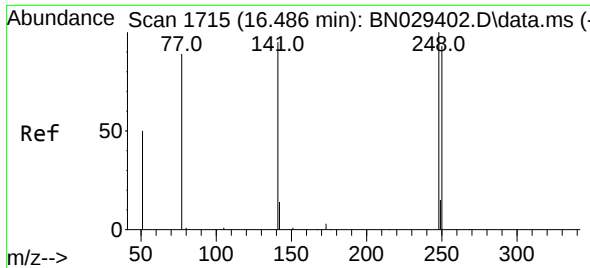
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:188 Resp: 9096
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.0 10.0 15.0#





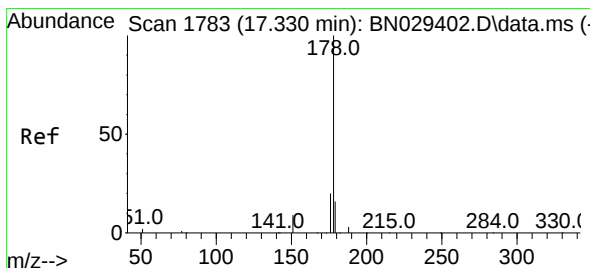
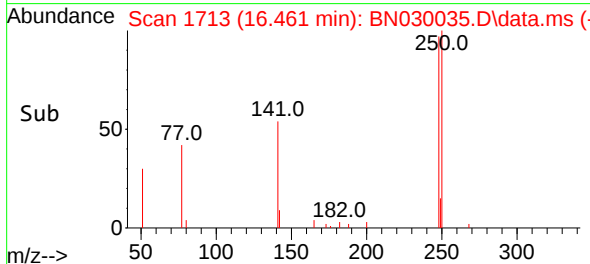
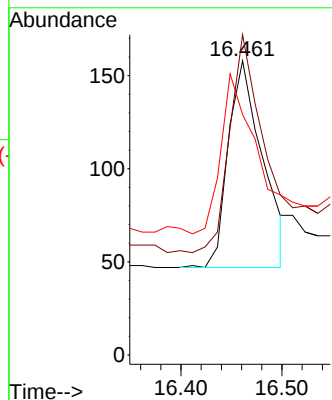
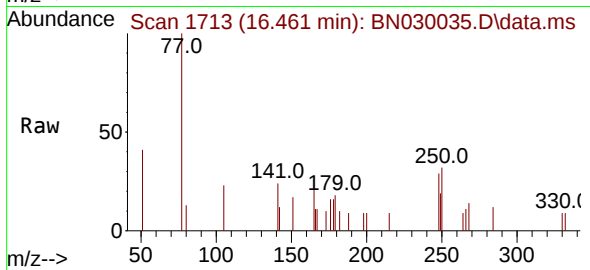
#21
4-Bromophenyl-phenylether
Concen: 0.048 ng
RT: 16.461 min Scan# 1713
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219

Tgt Ion:248 Resp: 261
Ion Ratio Lower Upper
248 100
250 108.9 75.0 112.4
141 81.6 77.0 115.6

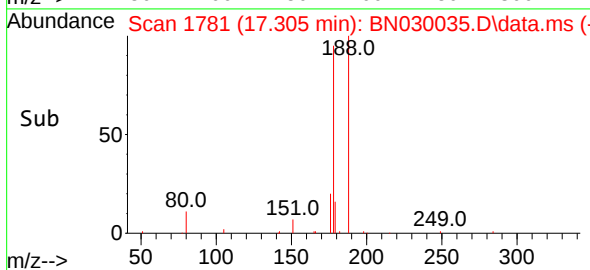
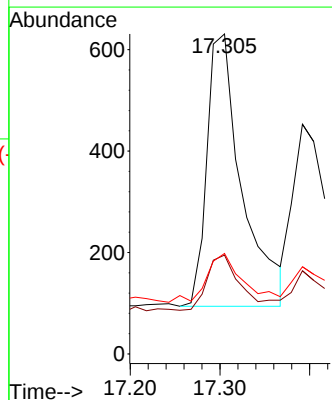
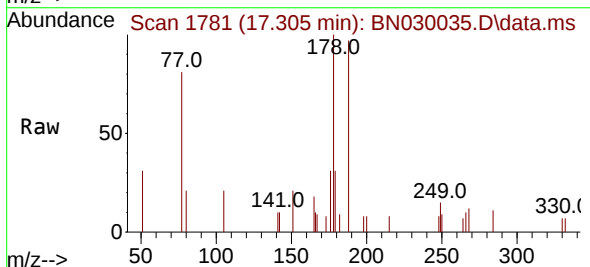
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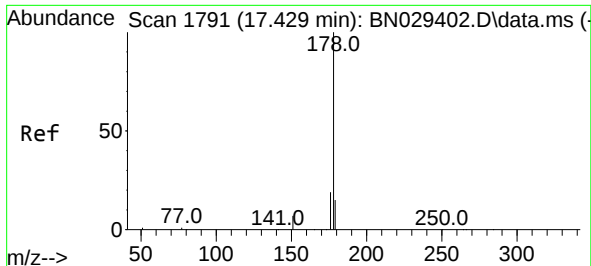
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#25
Phenanthrene
Concen: 0.054 ng
RT: 17.305 min Scan# 1781
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

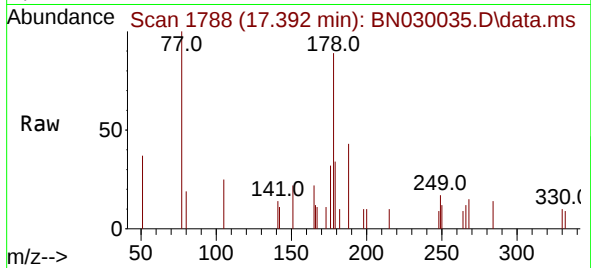
Tgt Ion:178 Resp: 1451
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.6
179 18.5 12.6 19.0





#26
 Anthracene
 Concen: 0.042 ng
 RT: 17.392 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

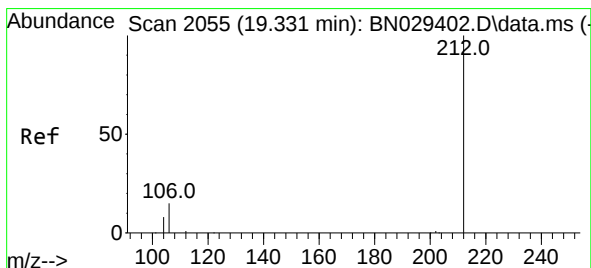
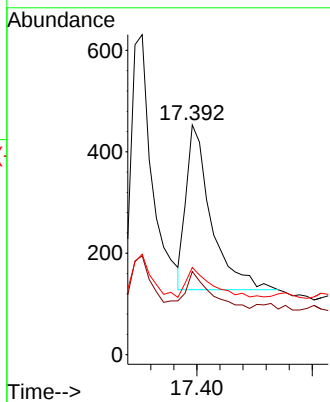
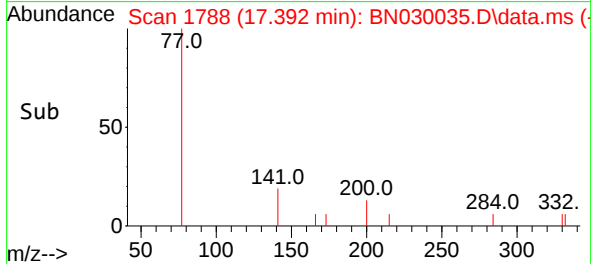
Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20240219



Tgt Ion:178 Resp: 974
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.0 22.4
 179 17.8 12.3 18.5

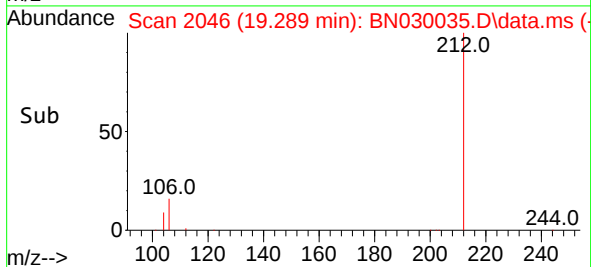
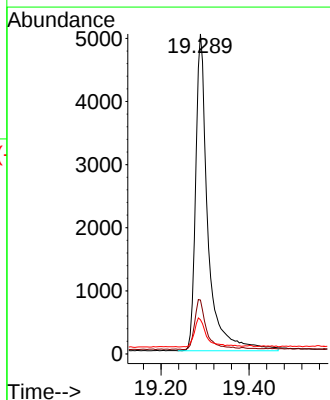
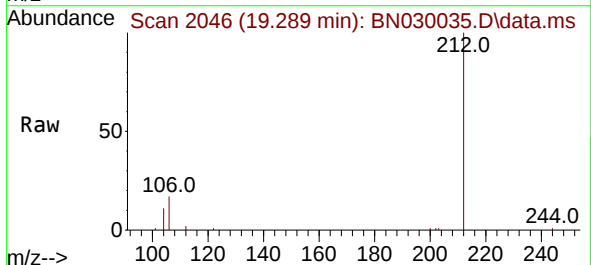
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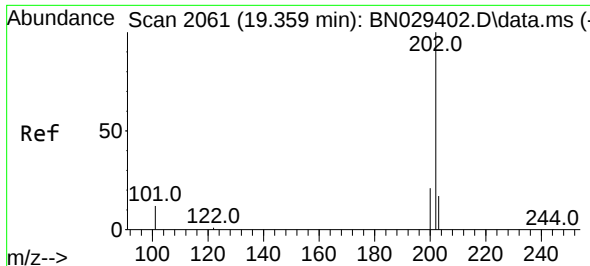
Reviewed By :Jagrut Upadhyay 02/26/2024
 Supervised By :mohammad ahmed 02/27/2024



#27
 Fluoranthene-d10
 Concen: 0.441 ng
 RT: 19.289 min Scan# 2046
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

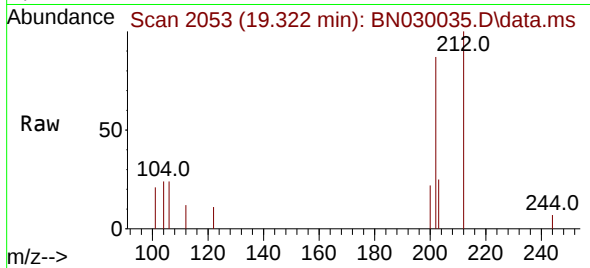
Tgt Ion:212 Resp: 9710
 Ion Ratio Lower Upper
 212 100
 106 15.3 13.2 19.8
 104 8.8 7.7 11.5





#28
Fluoranthene
Concen: 0.036 ng
RT: 19.322 min Scan# 2061
Delta R.T. 0.005 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

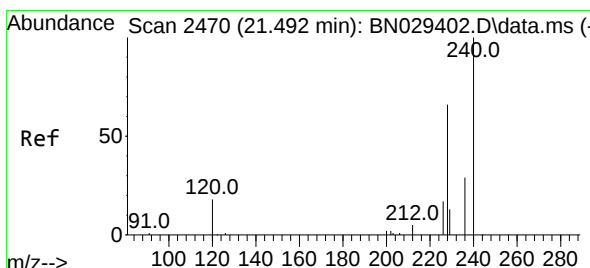
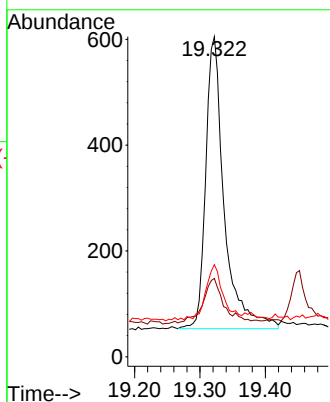
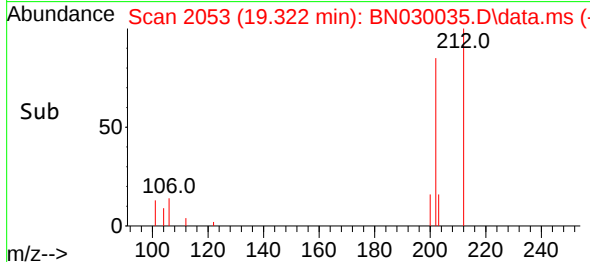
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion:202 Resp: 1084
Ion Ratio Lower Upper
202 100
101 17.6 10.5 15.7
203 18.1 13.5 20.3

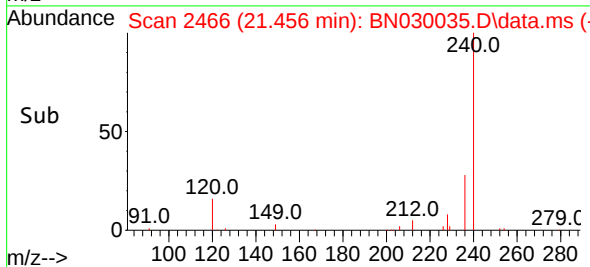
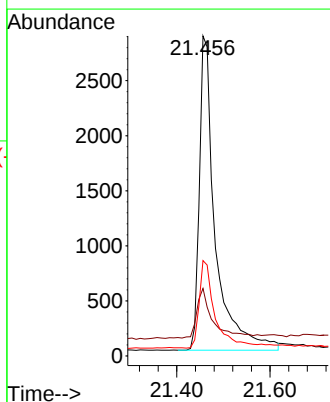
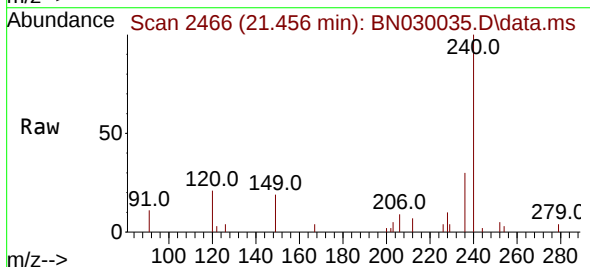
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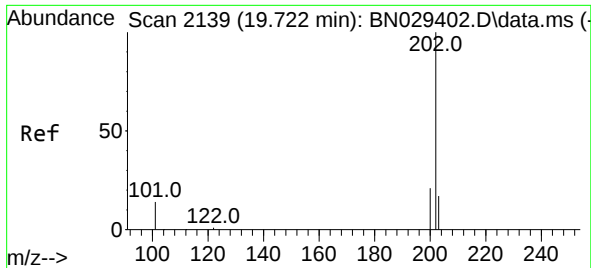
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

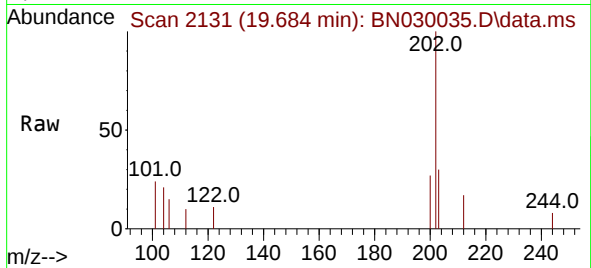
Tgt Ion:240 Resp: 6803
Ion Ratio Lower Upper
240 100
120 21.1 16.7 25.1
236 29.8 23.9 35.9





#30
Pyrene
Concen: 0.030 ng
RT: 19.684 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

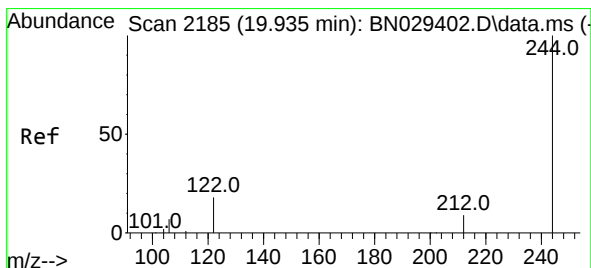
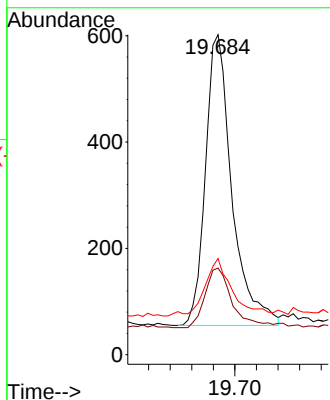
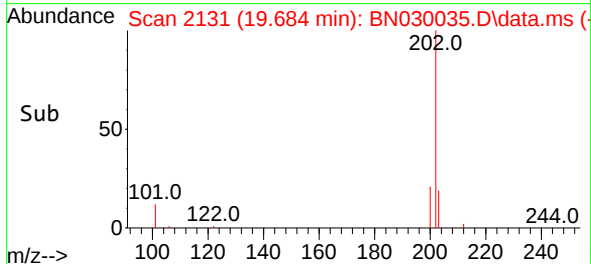
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion:202 Resp: 931
Ion Ratio Lower Upper
202 100
200 21.9 16.6 25.0
203 18.6 14.2 21.4

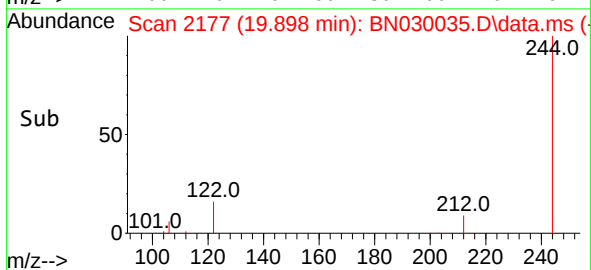
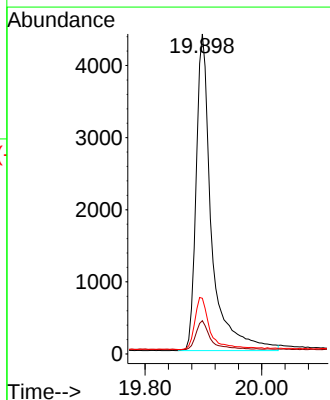
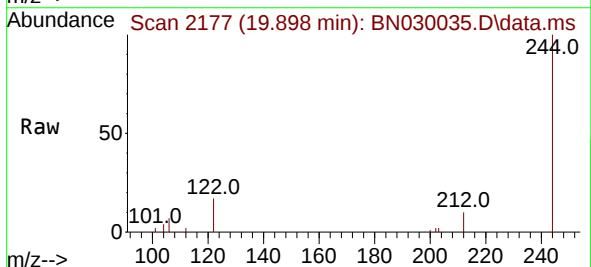
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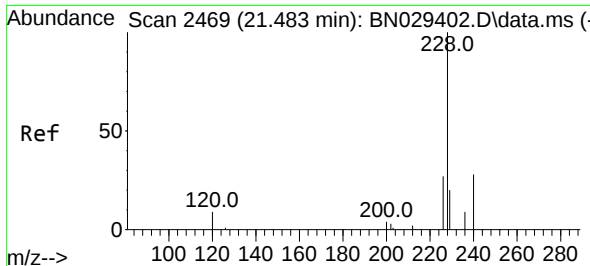
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#31
Terphenyl-d14
Concen: 0.478 ng
RT: 19.898 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

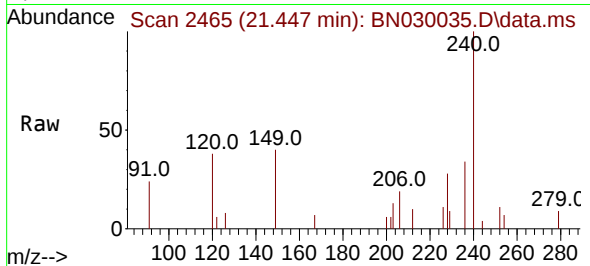
Tgt Ion:244 Resp: 8076
Ion Ratio Lower Upper
244 100
212 10.4 8.2 12.4
122 17.4 15.6 23.4





#32
Benzo(a)anthracene
Concen: 0.027 ng
RT: 21.447 min Scan# 2465
Delta R.T. 0.009 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

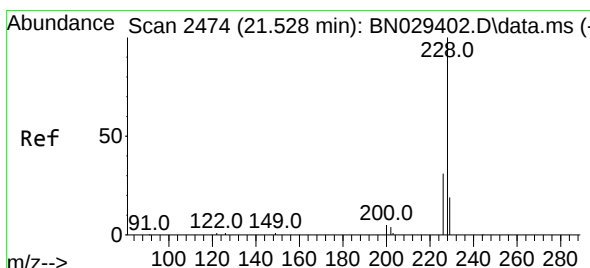
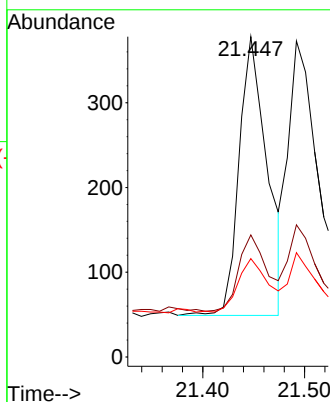
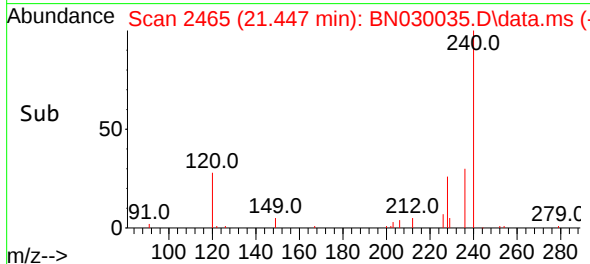
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



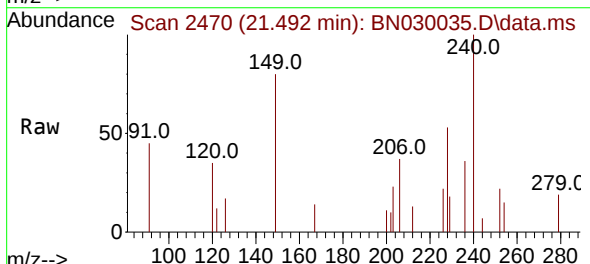
Tgt Ion:228 Resp: 632
Ion Ratio Lower Upper
228 100
226 38.1 22.2 33.4#
229 30.7 16.5 24.7#

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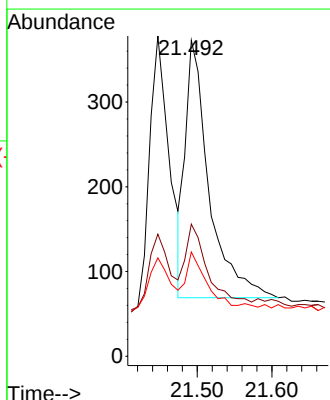
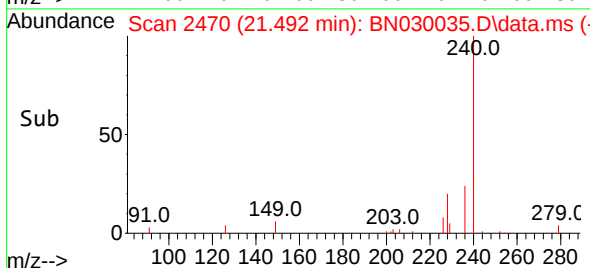
Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024

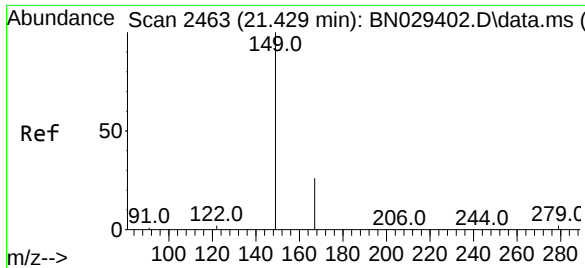


#33
Chrysene
Concen: 0.025 ng
RT: 21.492 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07



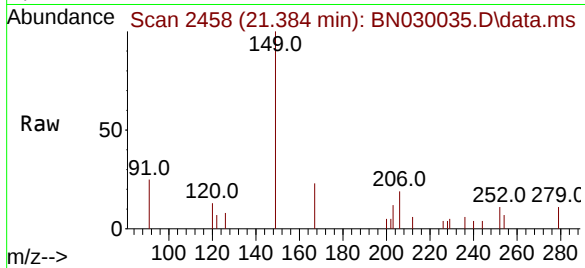
Tgt Ion:228 Resp: 670
Ion Ratio Lower Upper
228 100
226 41.8 24.9 37.3#
229 33.0 15.9 23.9#





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.066 ng
 RT: 21.384 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

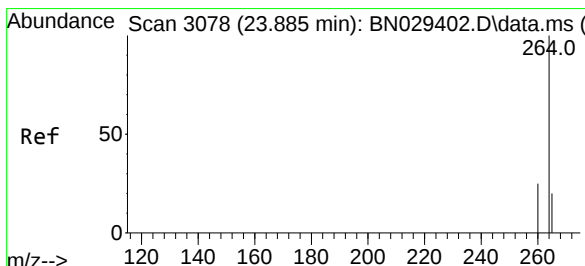
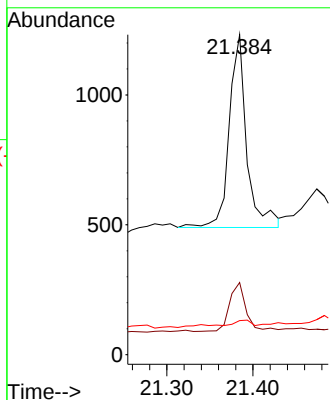
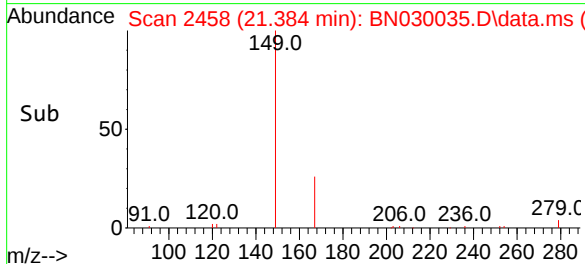
Instrument :
 BNA_N
 ClientSampleId :
 RE117D1-20240219



Tgt Ion:149 Resp: 104
 Ion Ratio Lower Upper
 149 100
 167 24.1 20.1 30.1
 279 2.7 2.5 3.7

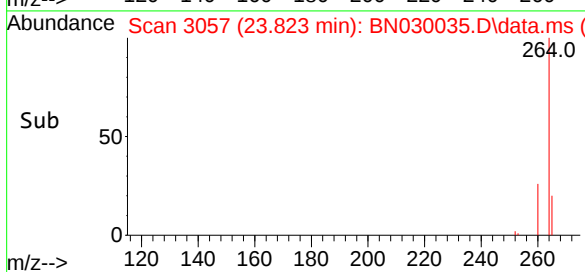
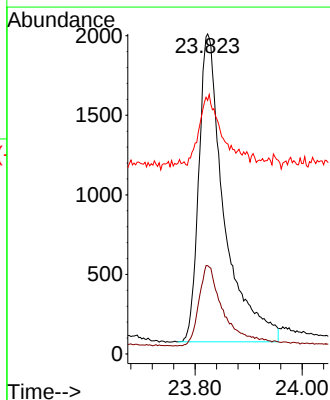
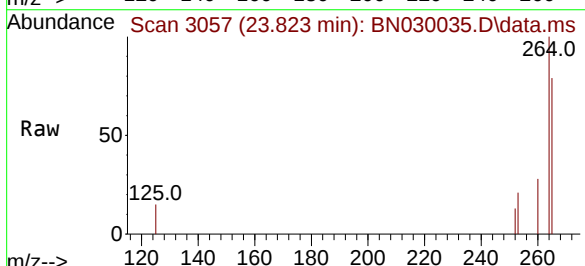
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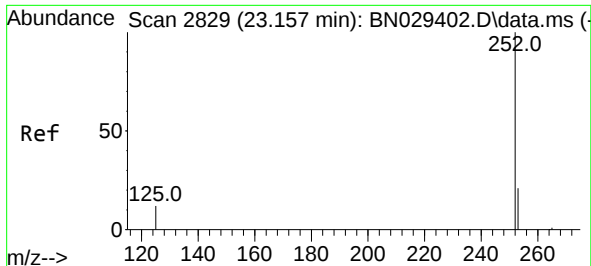
Reviewed By :Jagrut Upadhyay 02/26/2024
 Supervised By :mohammad ahmed 02/27/2024



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.823 min Scan# 3057
 Delta R.T. 0.003 min
 Lab File: BN030035.D
 Acq: 25 Feb 2024 19:07

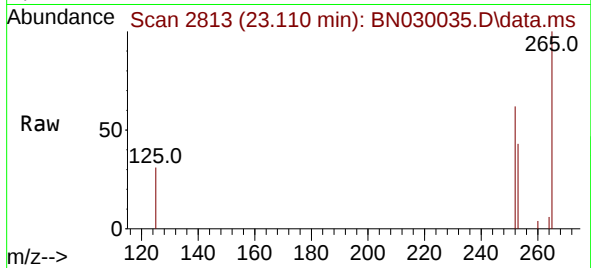
Tgt Ion:264 Resp: 6367
 Ion Ratio Lower Upper
 264 100
 260 27.6 21.2 31.8
 265 79.3 41.5 62.3#





#37
Benzo(b)fluoranthene
Concen: 0.048 ng
RT: 23.110 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

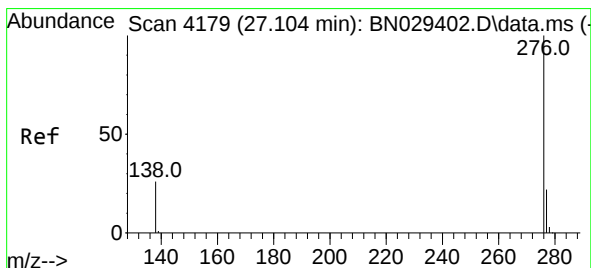
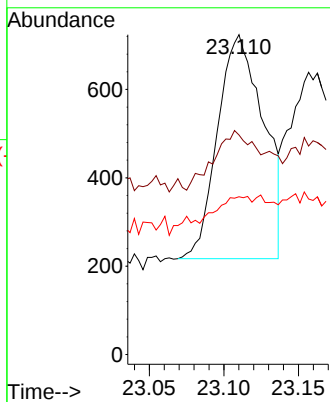
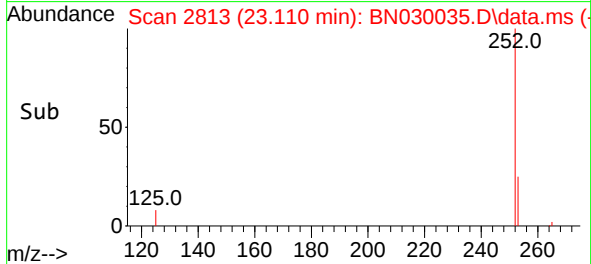
Instrument :
BNA_N
ClientSampleId :
RE117D1-20240219



Tgt Ion:252 Resp: 1089
Ion Ratio Lower Upper
252 100
253 68.6 21.7 32.5#
125 49.3 13.3 19.9#

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Reviewed By :Jagrut Upadhyay 02/26/2024
Supervised By :mohammad ahmed 02/27/2024



#41
Benzo(g,h,i)perylene
Concen: 0.049 ng m
RT: 27.022 min Scan# 4151
Delta R.T. 0.015 min
Lab File: BN030035.D
Acq: 25 Feb 2024 19:07

Tgt Ion:276 Resp: 1209
Ion Ratio Lower Upper
276 100
277 44.2 19.4 29.2#
138 52.5 23.5 35.3#

