

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020625\
 Data File : BN036340.D
 Acq On : 06 Feb 2025 17:58
 Operator : RC/JU
 Sample : Q1247-07MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A6335MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :Sohil Jodhani 02/18/2025

Quant Time: Feb 07 07:31:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 14:44:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.771	152	2914	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.557	136	6840	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.410	164	3540	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.155	188	6574	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.340	240	5502	0.400	ng/ul	#-0.02
23) Perylene-d12	23.622	264	5932	0.400	ng/ul	#-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	779	0.244	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.152	152	2294	0.266	ng/ul	-0.02
18) Fluoranthene-d10	19.185	212	5252	0.347	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.286	88	2281	0.670	ng/ul	98
5) Naphthalene	10.606	128	4913	0.261	ng/ul	99
7) 2-Methylnaphthalene	12.229	142	2983	0.255	ng/ul	99
8) 1-Methylnaphthalene	12.449	142	3094	0.260	ng/ul	100
10) Acenaphthylene	14.128	152	4309	0.258	ng/ul	100
11) Acenaphthene	14.470	153	3503	0.285	ng/ul	97
12) Fluorene	15.460	166	3920	0.289	ng/ul	99
14) Pentachlorophenol	16.809	266	1325	0.575	ng/ul	98
15) Phenanthrene	17.197	178	6613	0.344	ng/ul	99
16) Anthracene	17.286	178	4699	0.263	ng/ul	97
19) Fluoranthene	19.212	202	7159	0.342	ng/ul#	92
20) Pyrene	19.575	202	7476	0.343	ng/ul#	91
21) Benzo(a)anthracene	21.325	228	6260	0.319	ng/ul	99
22) Chrysene	21.378	228	6870	0.342	ng/ul	98
24) Benzo(b)fluoranthene	22.933	252	6997m	0.353	ng/ul	
25) Benzo(k)fluoranthene	22.976	252	6947	0.334	ng/ul#	80
26) Benzo(a)pyrene	23.523	252	6053	0.339	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.941	276	7930	0.335	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.955	278	6289	0.345	ng/ul#	91
29) Benzo(g,h,i)perylene	26.649	276	6320	0.344	ng/ul#	94

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

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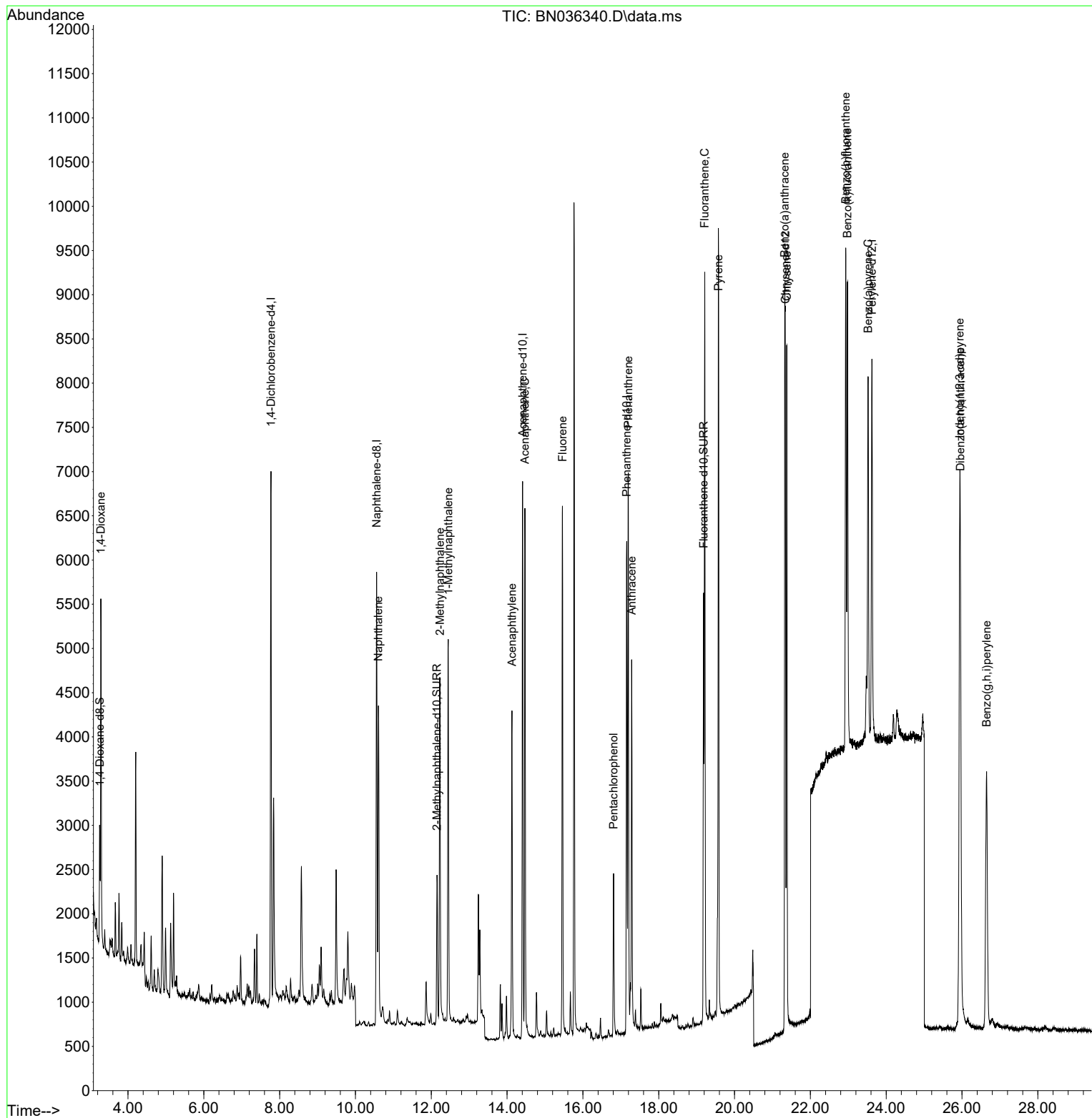
Quant Time: Feb 07 07:31:10 2025

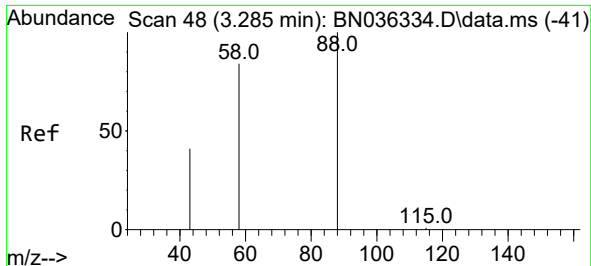
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 06 14:44:03 2025

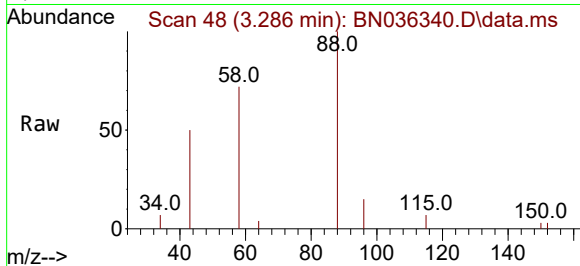
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.670 ng/ul
RT: 3.286 min Scan# 41
Delta R.T. -0.007 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

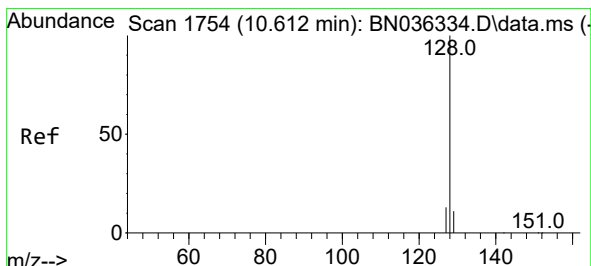
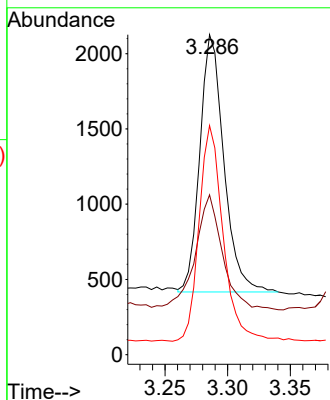
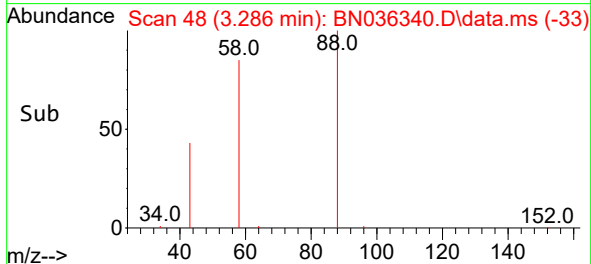
Instrument :
BNA_N
ClientSampleId :
A6335MS



Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 50.0 40.7 61.1
58 71.6 55.2 82.8

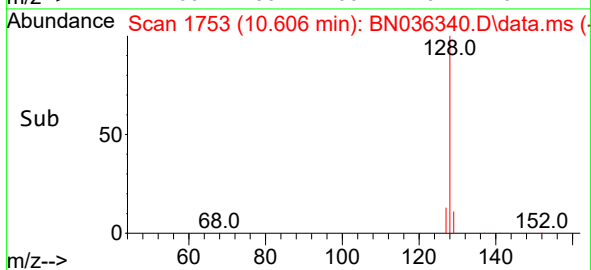
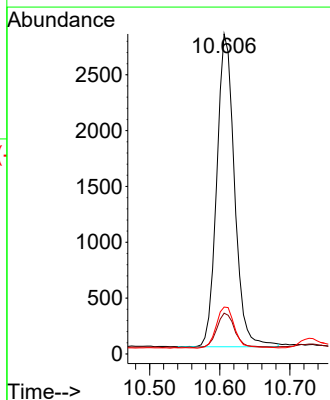
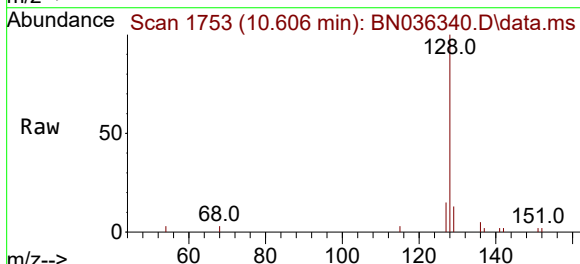
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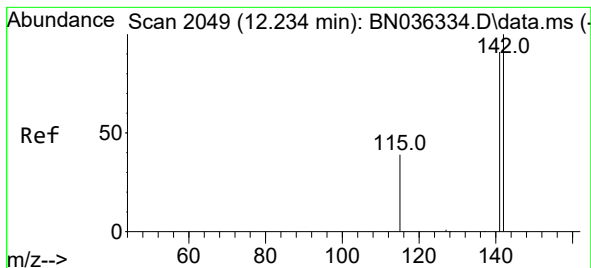
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#5
Naphthalene
Concen: 0.261 ng/ul
RT: 10.606 min Scan# 1753
Delta R.T. -0.021 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

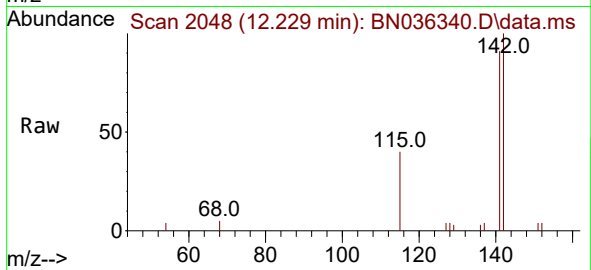
Tgt Ion:128 Resp: 4913
Ion Ratio Lower Upper
128 100
129 12.7 9.6 14.4
127 14.7 12.0 18.0





#7
2-Methylnaphthalene
Concen: 0.255 ng/ul
RT: 12.229 min Scan# 2048
Delta R.T. -0.016 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

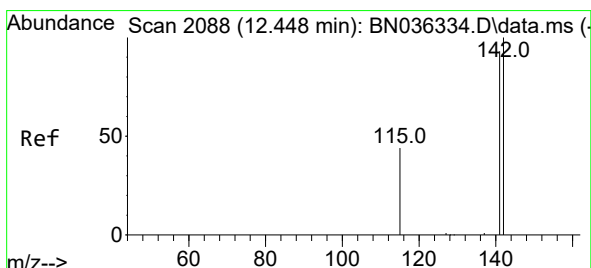
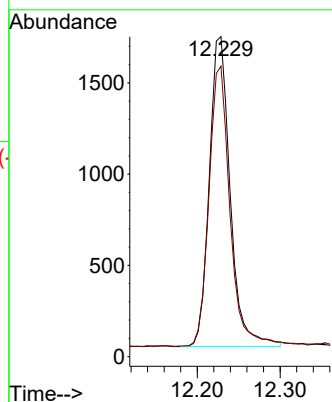
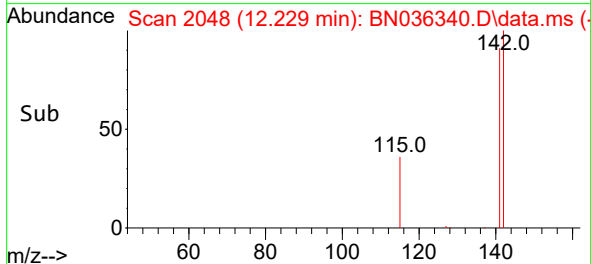
Instrument :
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ClientSampleId :
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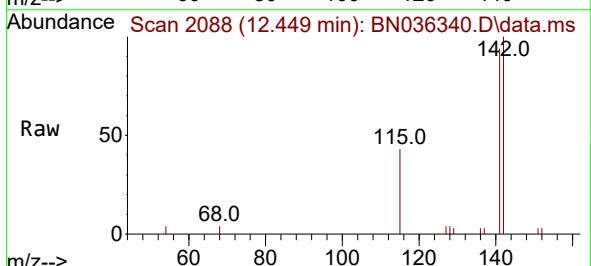
Tgt Ion:142 Resp: 2983
Ion Ratio Lower Upper
142 100
141 90.4 71.9 107.9

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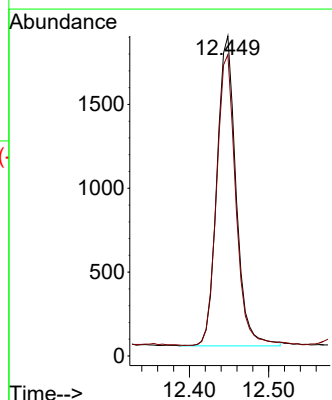
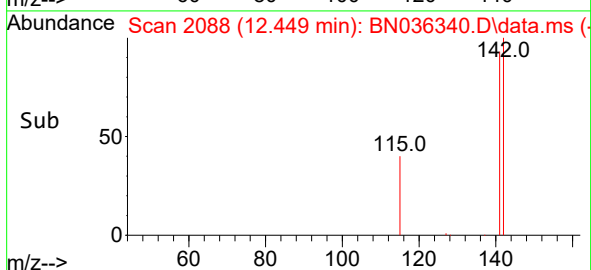
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025

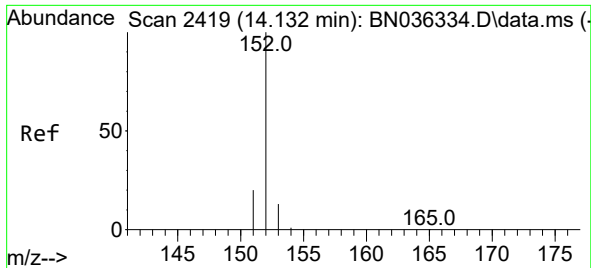


#8
1-Methylnaphthalene
Concen: 0.260 ng/ul
RT: 12.449 min Scan# 2088
Delta R.T. -0.015 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58



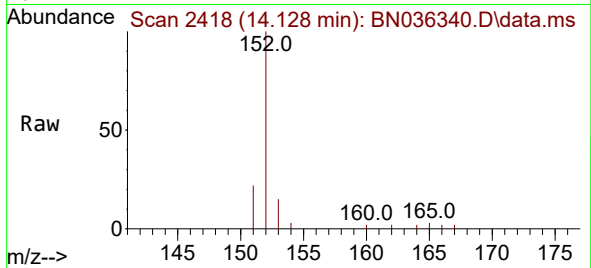
Tgt Ion:142 Resp: 3094
Ion Ratio Lower Upper
142 100
141 93.9 75.2 112.8





#10
Acenaphthylene
Concen: 0.258 ng/ul
RT: 14.128 min Scan# 2418
Delta R.T. -0.017 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

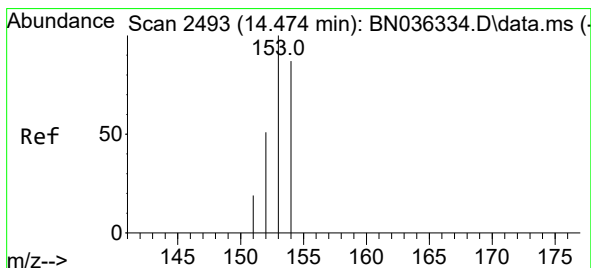
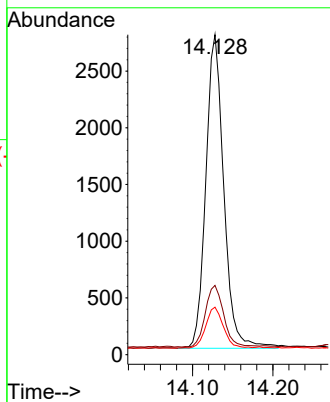
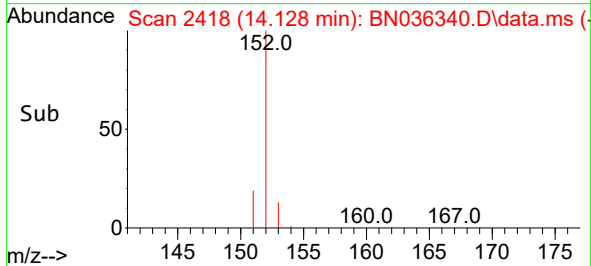
Instrument :
BNA_N
ClientSampleId :
A6335MS



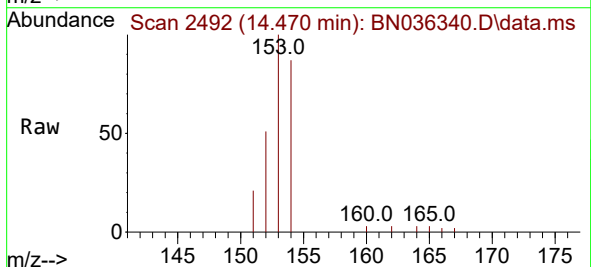
Tgt Ion:152 Resp: 4309
Ion Ratio Lower Upper
152 100
151 21.6 17.4 26.2
153 14.8 11.9 17.9

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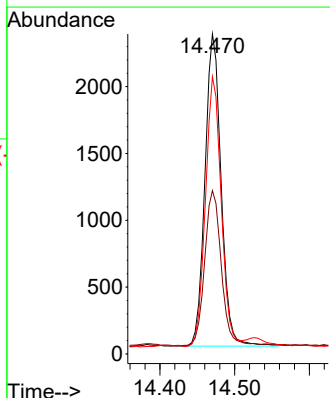
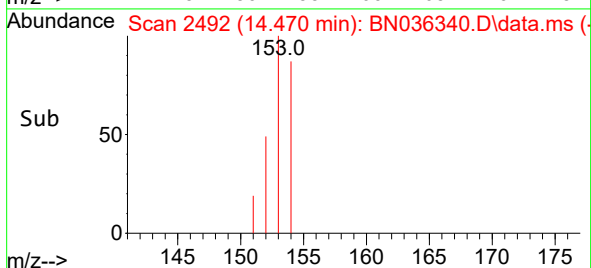
Reviewed By :Jagrut Upadhyay 02/07/2025
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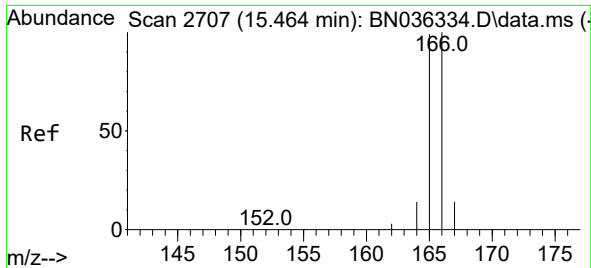


#11
Acenaphthene
Concen: 0.285 ng/ul
RT: 14.470 min Scan# 2492
Delta R.T. -0.021 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58



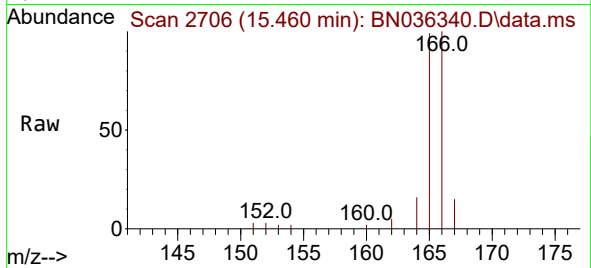
Tgt Ion:153 Resp: 3503
Ion Ratio Lower Upper
153 100
152 51.0 43.2 64.8
154 86.7 70.5 105.7





#12
Fluorene
Concen: 0.289 ng/ul
RT: 15.460 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

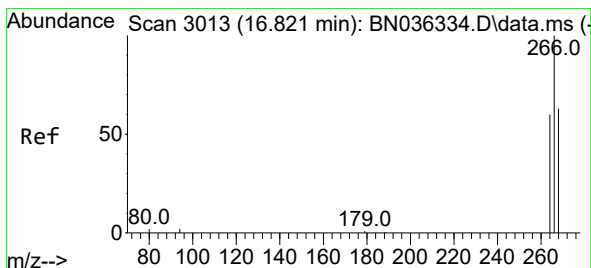
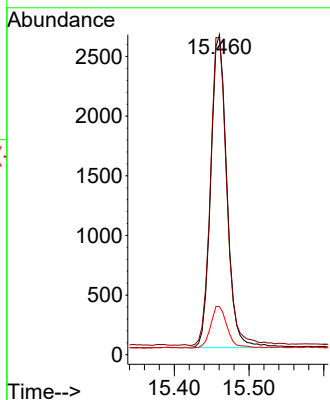
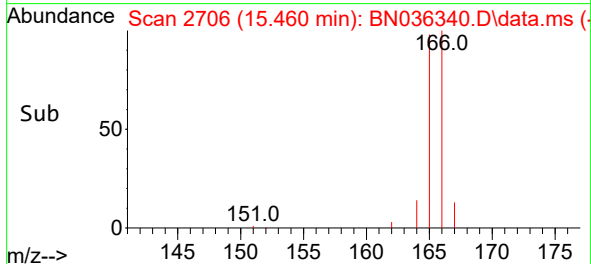
Instrument :
BNA_N
ClientSampleId :
A6335MS



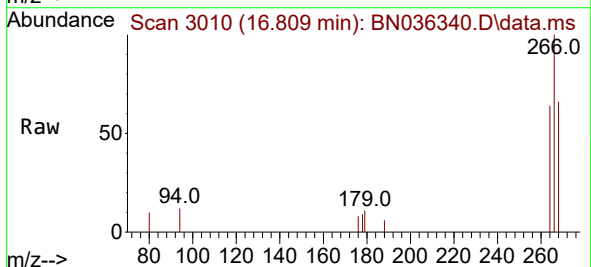
Tgt Ion:166 Resp: 3920
Ion Ratio Lower Upper
166 100
165 99.0 80.3 120.5
167 15.0 12.3 18.5

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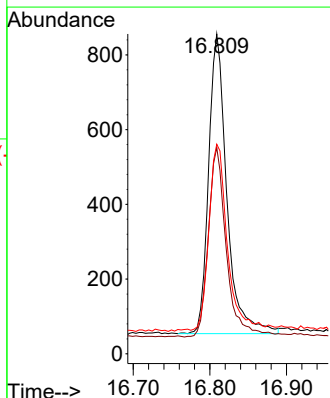
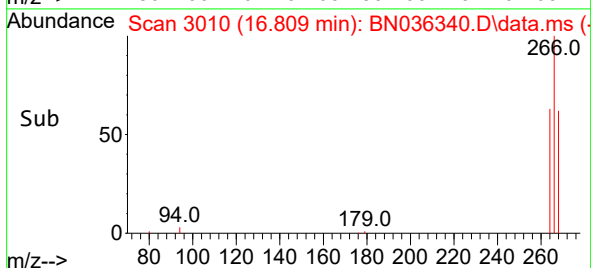
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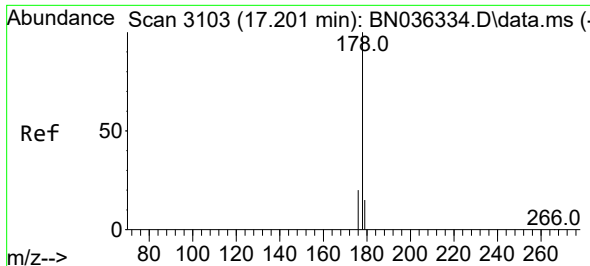


#14
Pentachlorophenol
Concen: 0.575 ng/ul
RT: 16.809 min Scan# 3010
Delta R.T. -0.019 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58



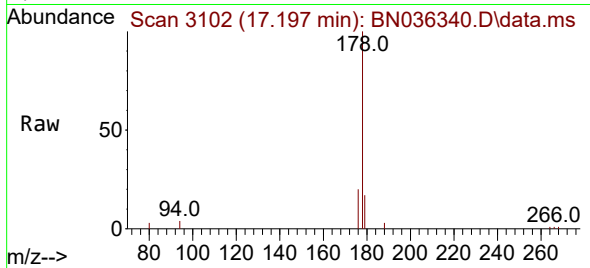
Tgt Ion:266 Resp: 1325
Ion Ratio Lower Upper
266 100
264 62.9 50.6 75.8
268 65.4 50.6 75.8





#15
Phenanthrene
Concen: 0.344 ng/ul
RT: 17.197 min Scan# 3102
Delta R.T. -0.015 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

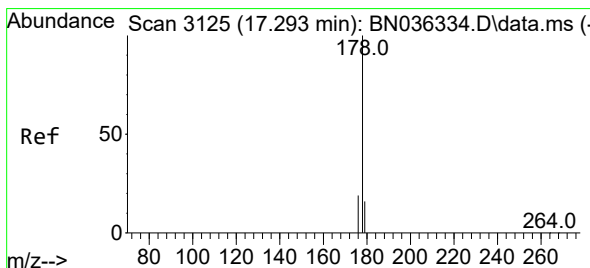
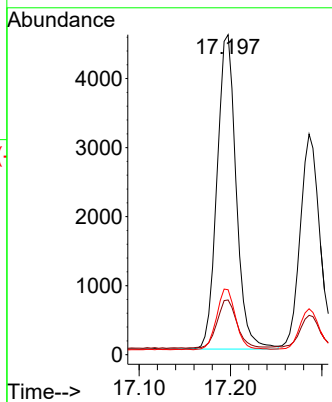
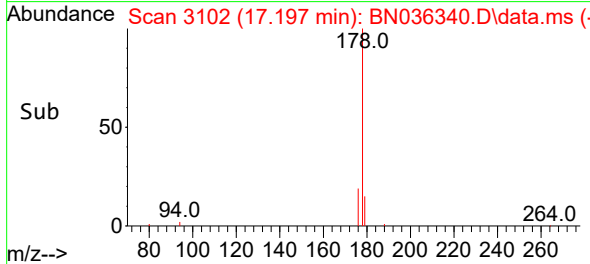
Instrument :
BNA_N
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A6335MS



Tgt Ion:178 Resp: 661
Ion Ratio Lower Upper
178 100
179 17.1 13.2 19.8
176 20.3 16.8 25.2

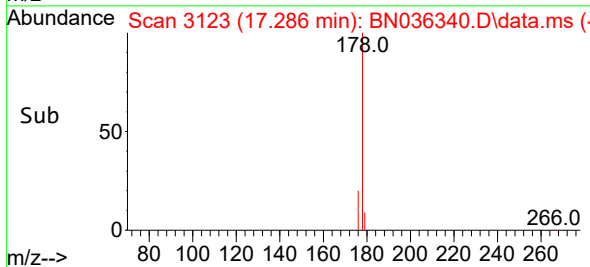
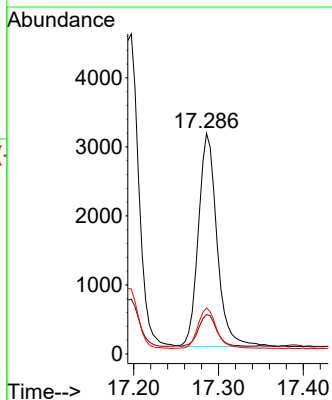
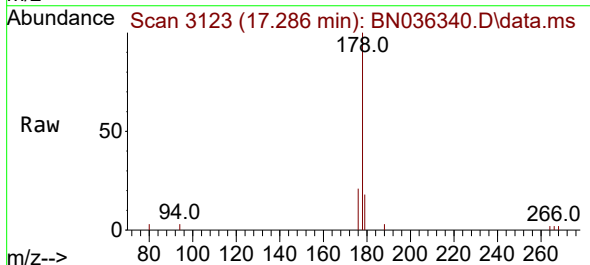
Manual Integrations
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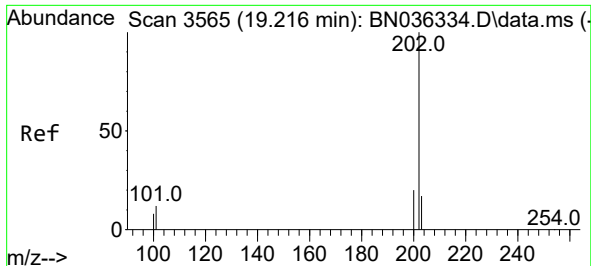
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#16
Anthracene
Concen: 0.263 ng/ul
RT: 17.286 min Scan# 3123
Delta R.T. -0.019 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

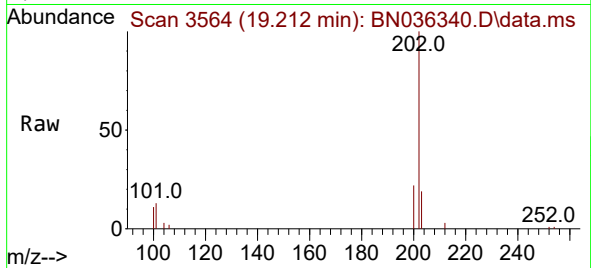
Tgt Ion:178 Resp: 4699
Ion Ratio Lower Upper
178 100
179 17.8 13.0 19.4
176 20.8 15.9 23.9





#19
Fluoranthene
Concen: 0.342 ng/ul
RT: 19.212 min Scan# 3564
Delta R.T. -0.021 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

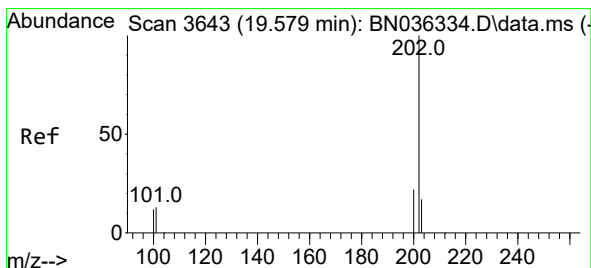
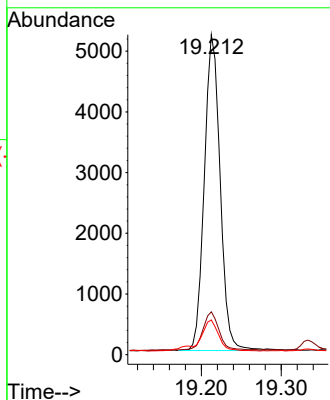
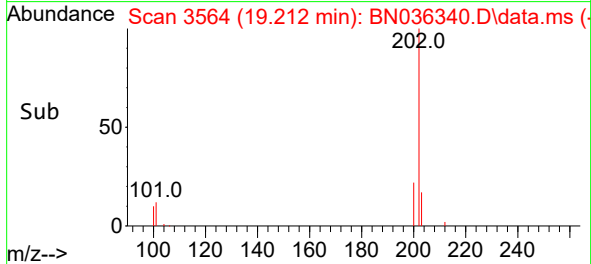
Instrument :
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Tgt Ion:202 Resp: 7159
Ion Ratio Lower Upper
202 100
101 13.4 8.4 12.6
100 10.8 6.5 9.7

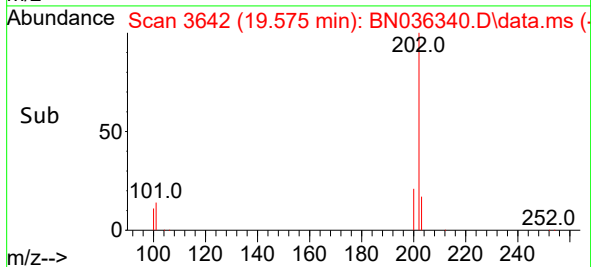
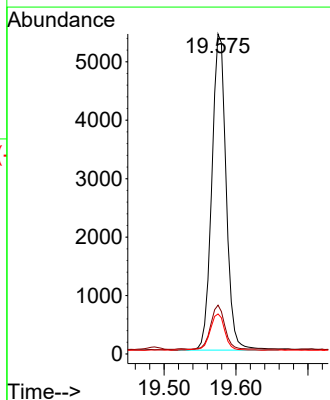
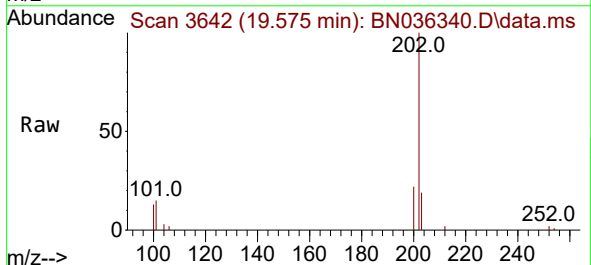
Manual Integrations
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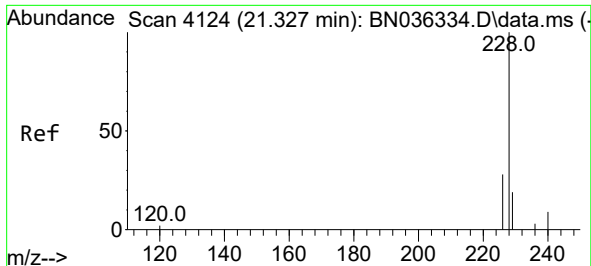
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#20
Pyrene
Concen: 0.343 ng/ul
RT: 19.575 min Scan# 3642
Delta R.T. -0.021 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

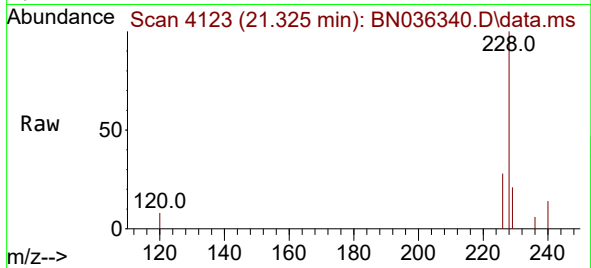
Tgt Ion:202 Resp: 7476
Ion Ratio Lower Upper
202 100
101 15.3 9.3 13.9#
100 12.5 7.5 11.3#





#21
Benzo(a)anthracene
Concen: 0.319 ng/ul
RT: 21.325 min Scan# 4112
Delta R.T. -0.020 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

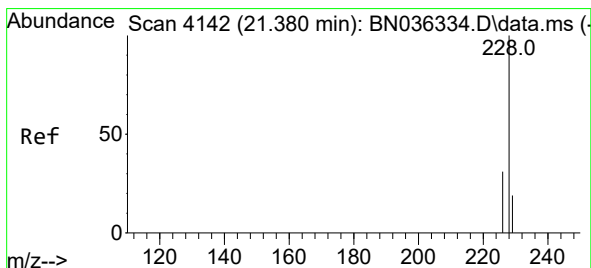
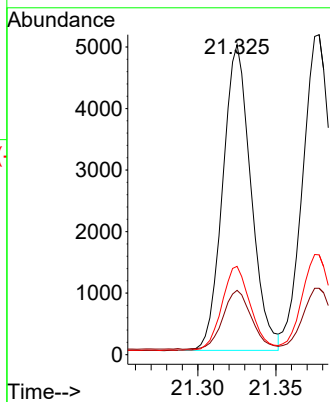
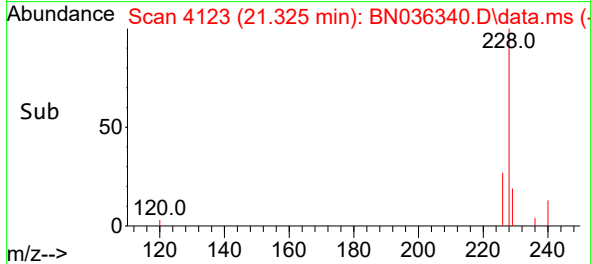
Instrument :
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Tgt Ion:228 Resp: 6260
Ion Ratio Lower Upper
228 100
229 20.8 15.9 23.9
226 28.5 22.8 34.2

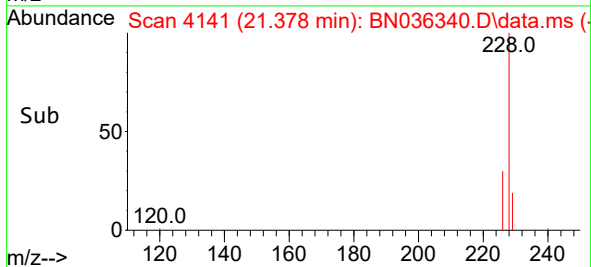
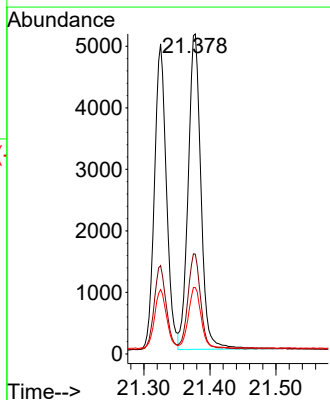
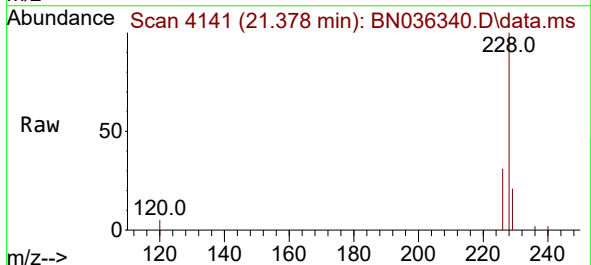
Manual Integrations
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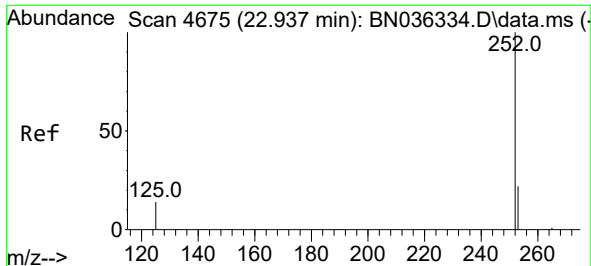
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#22
Chrysene
Concen: 0.342 ng/ul
RT: 21.378 min Scan# 4141
Delta R.T. -0.020 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

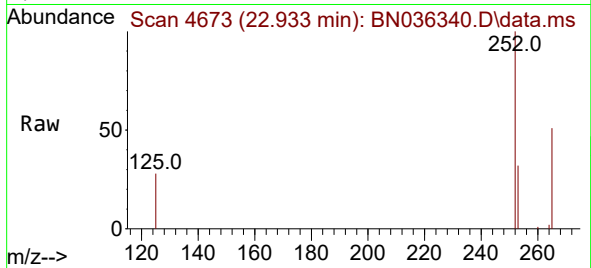
Tgt Ion:228 Resp: 6870
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 20.8 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.353 ng/ul m
RT: 22.933 min Scan# 4673
Delta R.T. -0.029 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

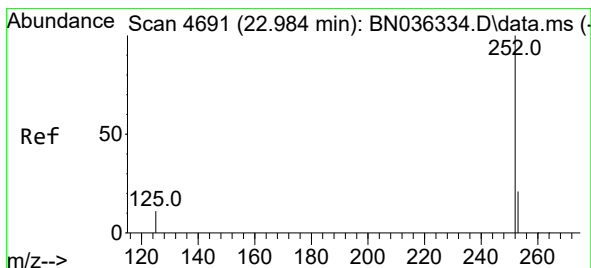
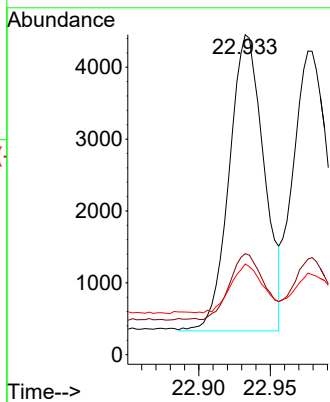
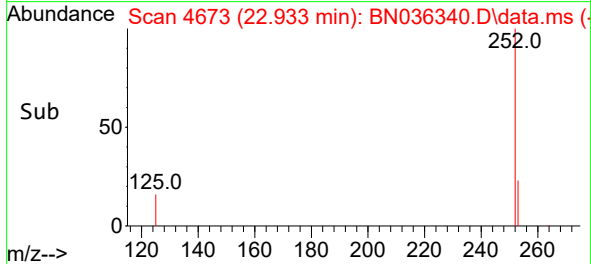
Instrument :
BNA_N
ClientSampleId :
A6335MS



Tgt Ion:252 Resp: 6997
Ion Ratio Lower Upper
252 100
253 31.5 0.0 51.2
125 28.4 0.0 27.8

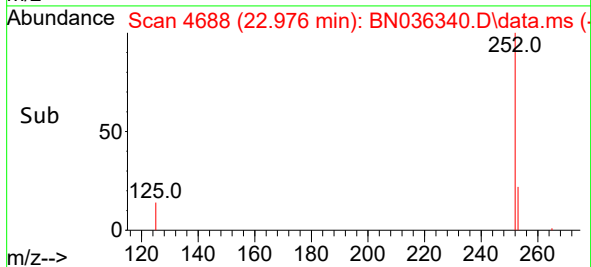
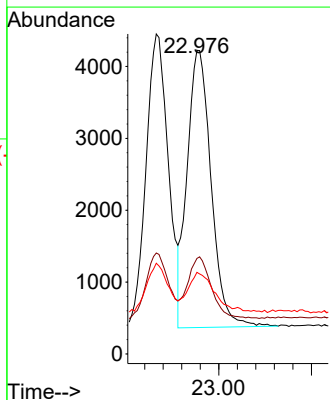
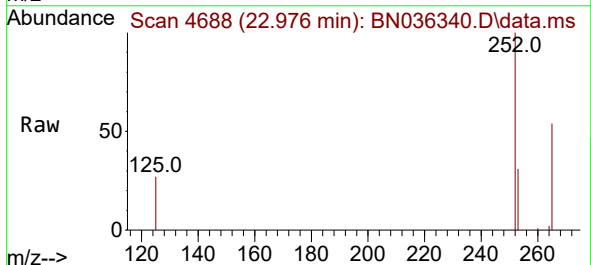
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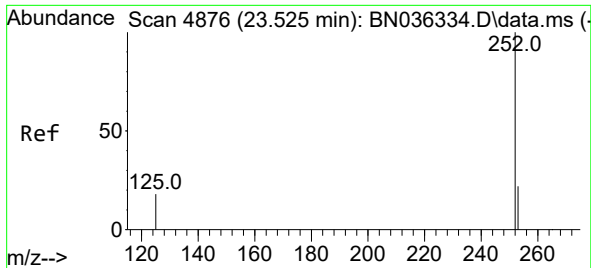
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#25
Benzo(k)fluoranthene
Concen: 0.334 ng/ul
RT: 22.976 min Scan# 4688
Delta R.T. -0.032 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

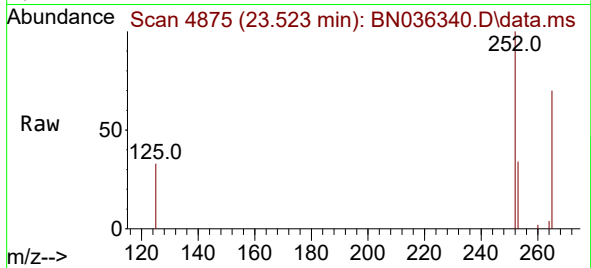
Tgt Ion:252 Resp: 6947
Ion Ratio Lower Upper
252 100
253 31.5 20.2 30.4#
125 26.9 10.6 16.0#





#26
Benzo(a)pyrene
Concen: 0.339 ng/ul
RT: 23.523 min Scan# 4876
Delta R.T. -0.032 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

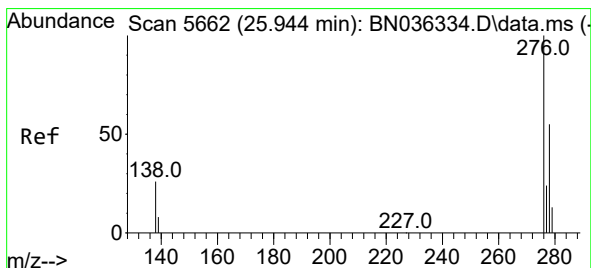
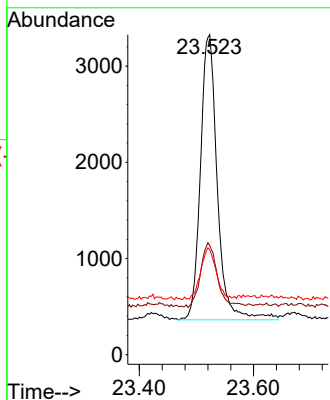
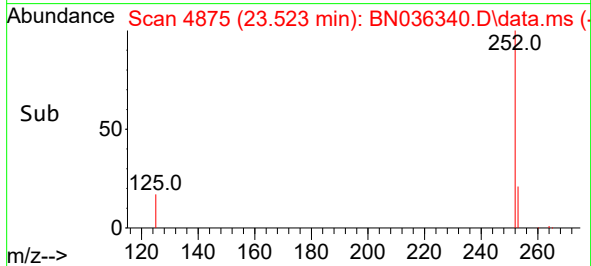
Instrument :
BNA_N
ClientSampleId :
A6335MS



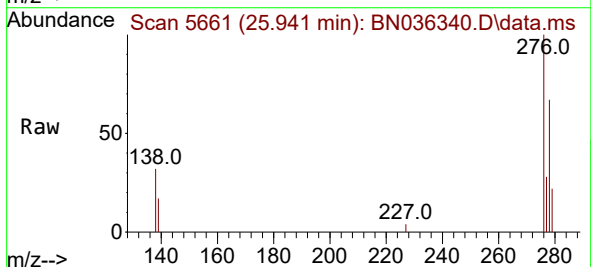
Tgt Ion:252 Resp: 605
Ion Ratio Lower Upper
252 100
253 34.1 22.2 33.4#
125 32.8 13.1 19.7#

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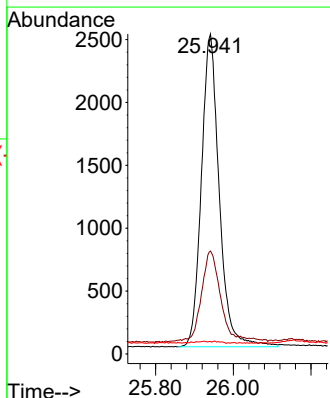
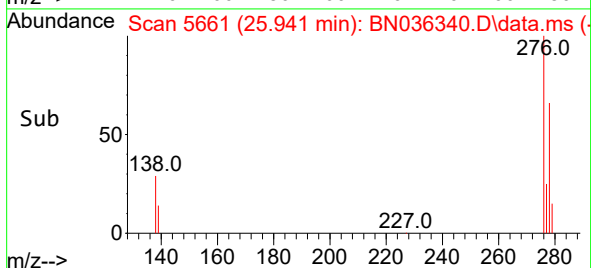
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025

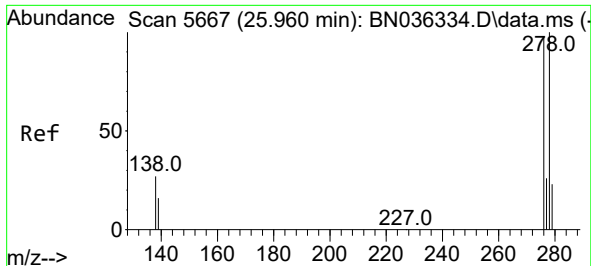


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.335 ng/ul
RT: 25.941 min Scan# 5661
Delta R.T. -0.047 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58



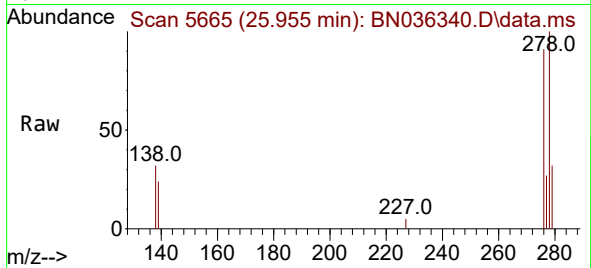
Tgt Ion:276 Resp: 7930
Ion Ratio Lower Upper
276 100
138 31.3 20.2 30.4#
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.345 ng/ul
RT: 25.955 min Scan# 5665
Delta R.T. -0.043 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58

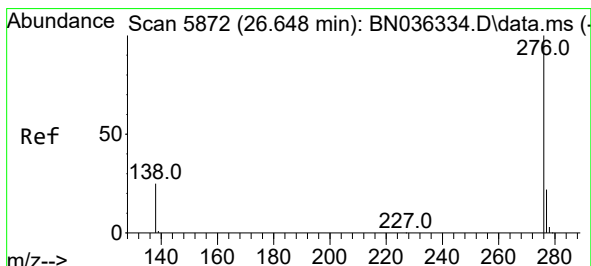
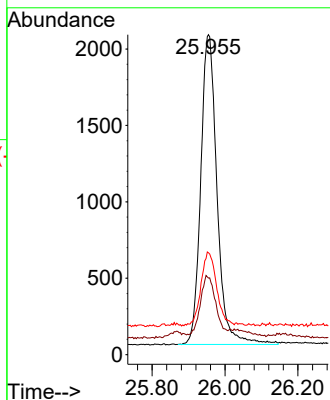
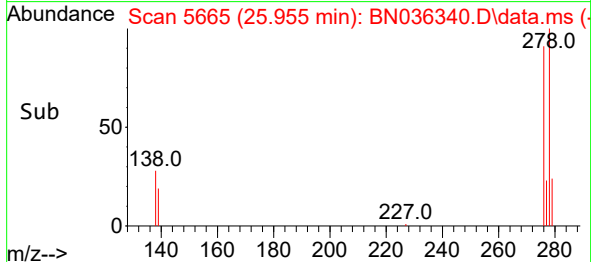
Instrument :
BNA_N
ClientSampleId :
A6335MS



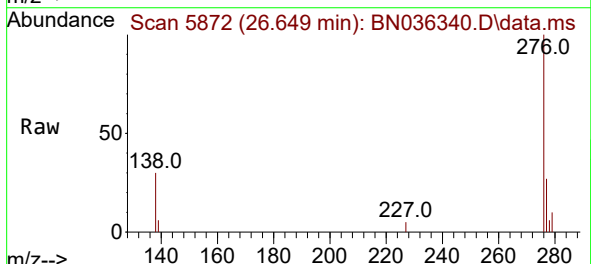
Tgt Ion:278 Resp: 6289
Ion Ratio Lower Upper
278 100
139 23.9 15.4 23.2
279 31.9 22.2 33.4

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :Sohil Jodhani 02/18/2025



#29
Benzo(g,h,i)perylene
Concen: 0.344 ng/ul
RT: 26.649 min Scan# 5872
Delta R.T. -0.054 min
Lab File: BN036340.D
Acq: 06 Feb 2025 17:58



Tgt Ion:276 Resp: 6320
Ion Ratio Lower Upper
276 100
138 30.1 19.4 29.0#
277 26.7 21.1 31.7

