

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038404.D
 Acq On : 15 Dec 2025 14:44
 Operator : RC/JU
 Sample : Q3839-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

12/16/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: Dec 15 15:31:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5651	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15361	0.400	ng	-0.01
13) Acenaphthene-d10	14.388	164	8102	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13607	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	11961	0.400	ng	0.00
35) Perylene-d12	23.622	264	13068	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	5372	0.382	ng	0.00
5) Phenol-d6	6.879	99	6153	0.368	ng	0.00
8) Nitrobenzene-d5	8.865	82	5058	0.390	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	7410	0.342	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1140	0.317	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	16564	0.424	ng	0.00
27) Fluoranthene-d10	19.178	212	11307	0.336	ng	0.00
31) Terphenyl-d14	19.777	244	8754	0.328	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.562	128	6441	0.142	ng	97
12) 2-Methylnaphthalene	12.192	142	4493	0.156	ng	99
18) Fluorene	15.435	166	1038	0.029	ng	# 93
25) Phenanthrene	17.173	178	8385	0.177	ng	98
28) Fluoranthene	19.206	202	12983	0.258	ng	98
30) Pyrene	19.568	202	8336	0.142	ng	97
32) Benzo(a)anthracene	21.322	228	3782	0.082	ng	# 88
33) Chrysene	21.366	228	6631	0.130	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.259	149	5279	0.208	ng	100
36) Indeno(1,2,3-cd)pyrene	25.937	276	1525	0.022	ng	94
37) Benzo(b)fluoranthene	22.932	252	8172m	0.136	ng	
38) Benzo(k)fluoranthene	22.970	252	1745m	0.029	ng	
41) Benzo(g,h,i)perylene	26.645	276	1635	0.027	ng	# 69

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

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ALS Vial : 8 Sample Multiplier: 1

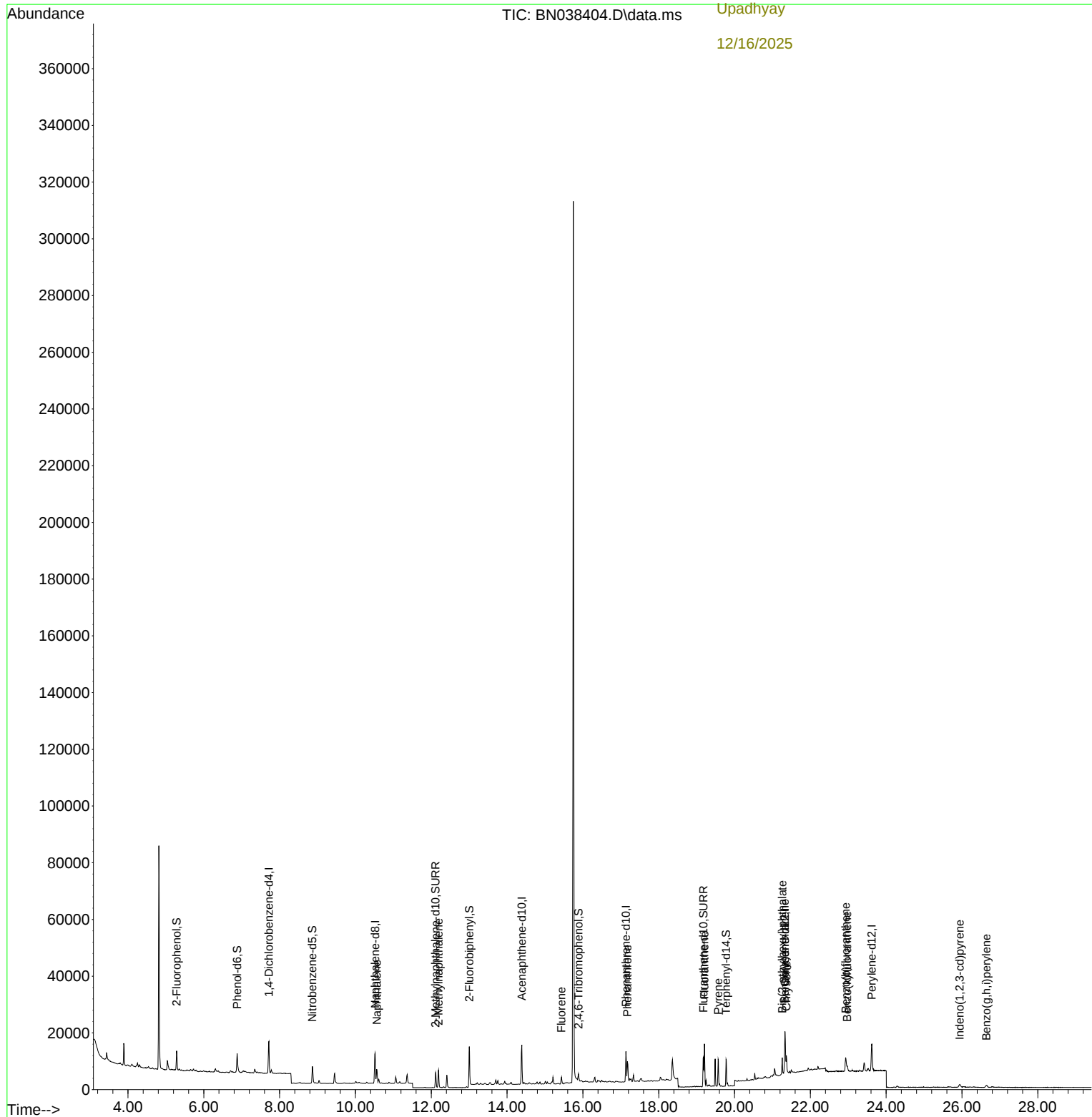
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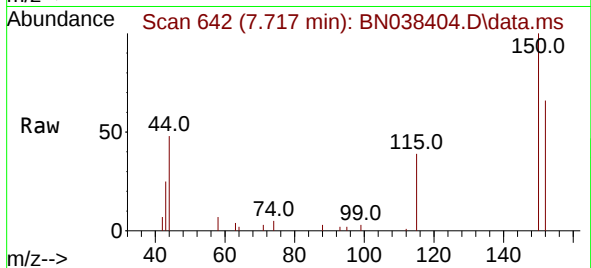


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:152 Resp: 565
 Ion Ratio Lower Upper
 152 100
 150 152.1 122.4 183.6
 115 58.7 47.3 70.9

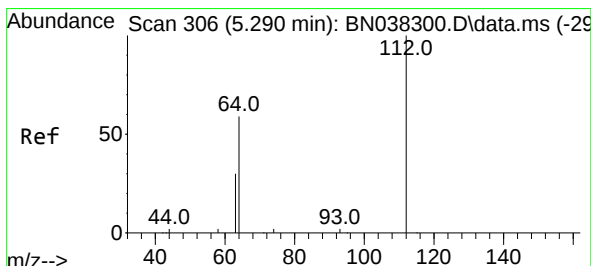
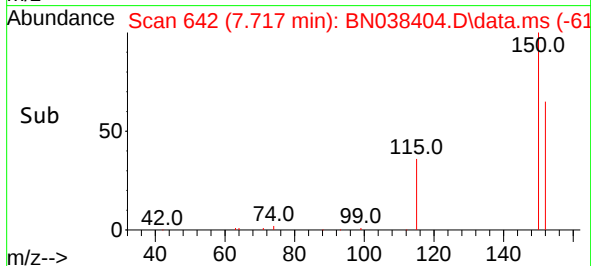
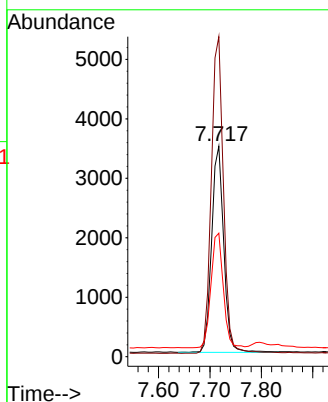
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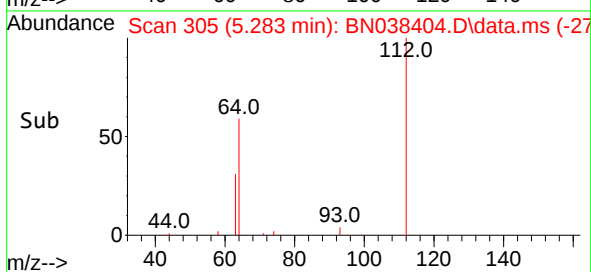
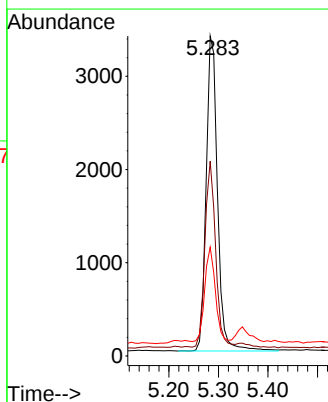
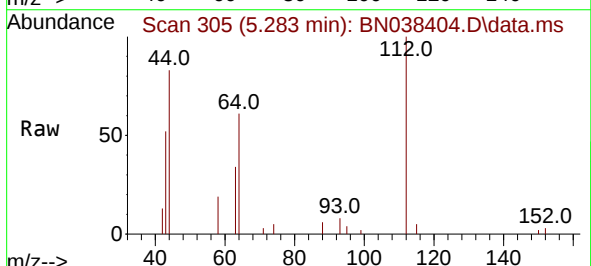
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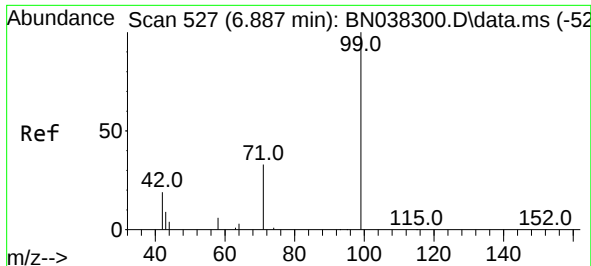
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#4
 2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

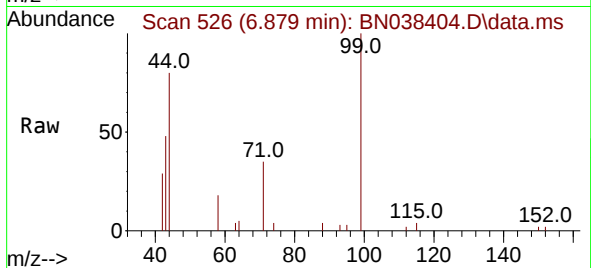
Tgt Ion:112 Resp: 5372
 Ion Ratio Lower Upper
 112 100
 64 55.8 44.4 66.6
 63 28.7 23.4 35.0





#5
Phenol-d6
Concen: 0.368 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



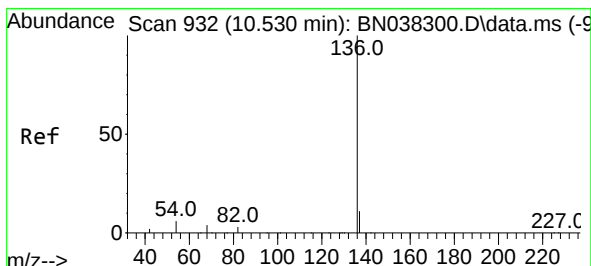
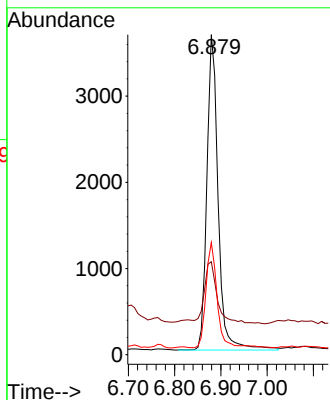
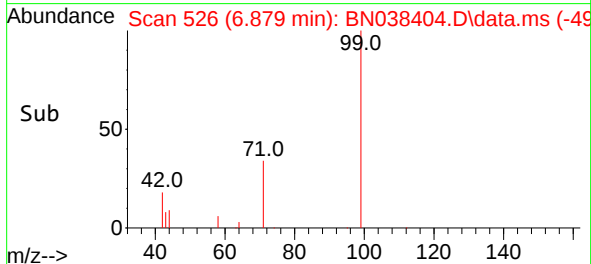
Tgt Ion: 99 Resp: 615
Ion Ratio Lower Upper
99 100
42 22.9 16.5 24.7
71 33.3 24.9 37.3

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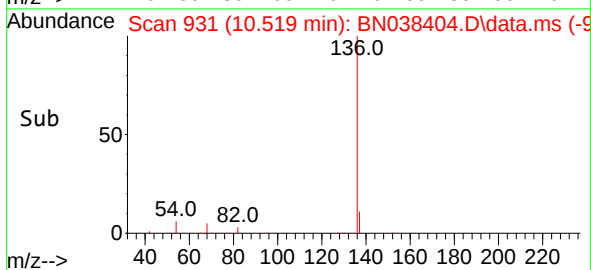
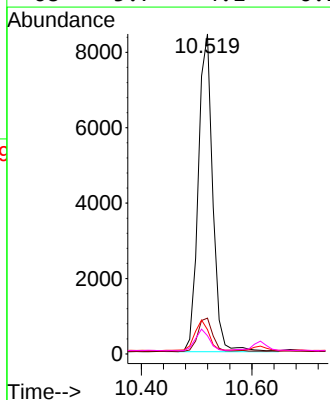
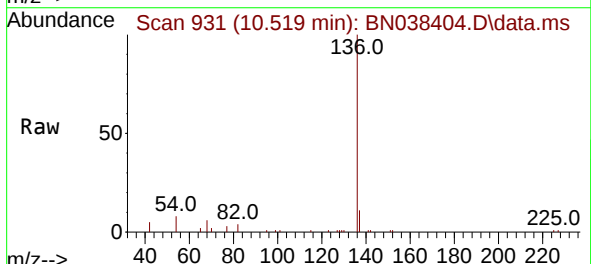
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

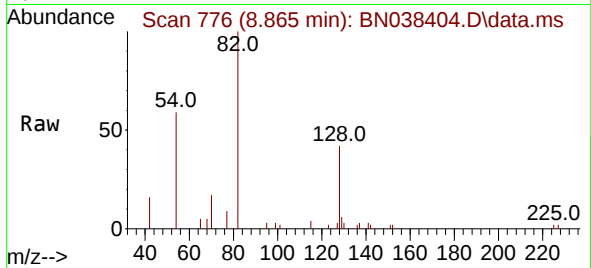
Tgt Ion:136 Resp: 15361
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.6 5.2 7.8
68 5.7 4.1 6.1





#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



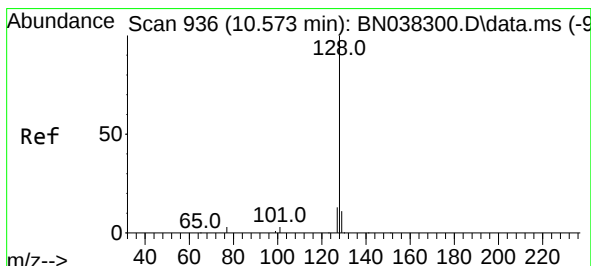
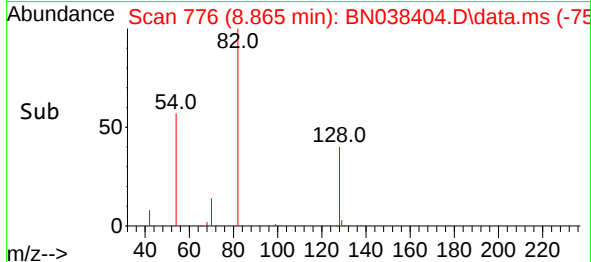
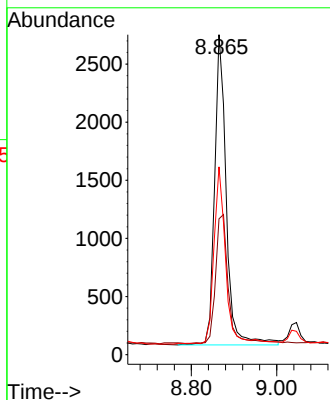
Tgt Ion: 82 Resp: 5058
Ion Ratio Lower Upper
82 100
128 42.4 34.0 51.0
54 58.7 44.4 66.6

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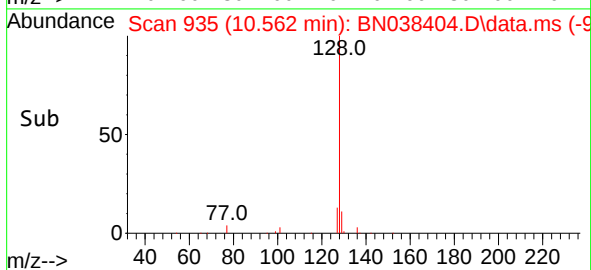
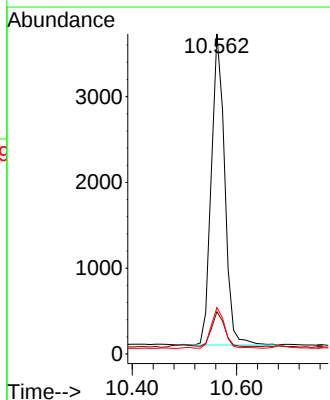
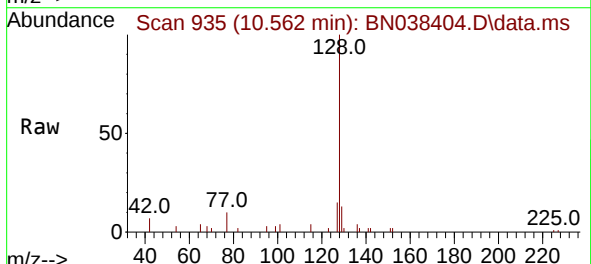
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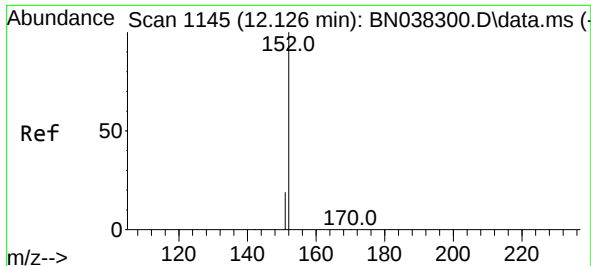
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#9
Naphthalene
Concen: 0.142 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

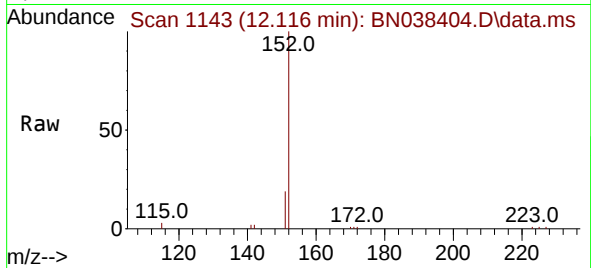
Tgt Ion:128 Resp: 6441
Ion Ratio Lower Upper
128 100
129 13.2 9.1 13.7
127 14.5 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



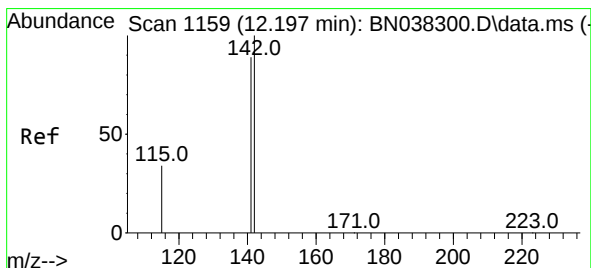
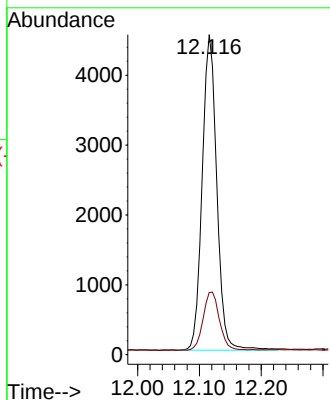
Tgt Ion:152 Resp: 7410
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6

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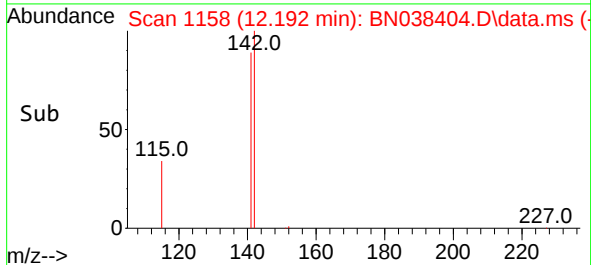
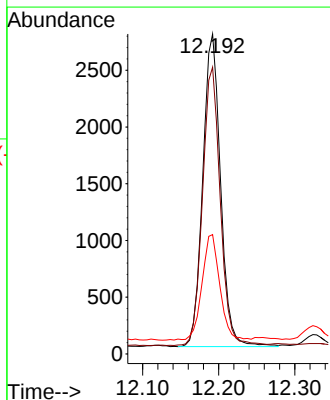
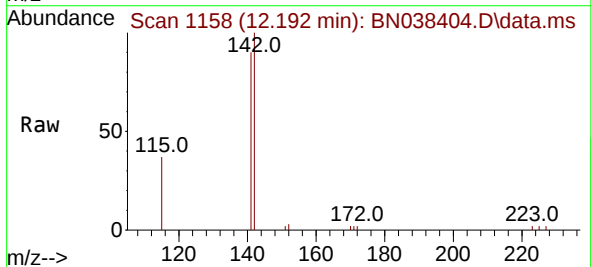
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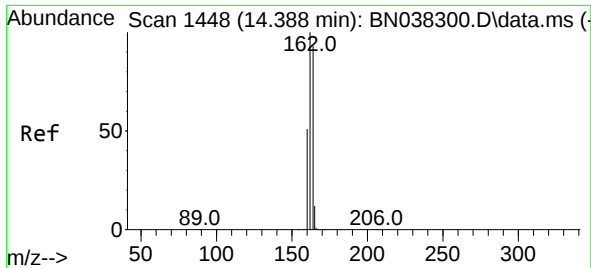
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#12
2-Methylnaphthalene
Concen: 0.156 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

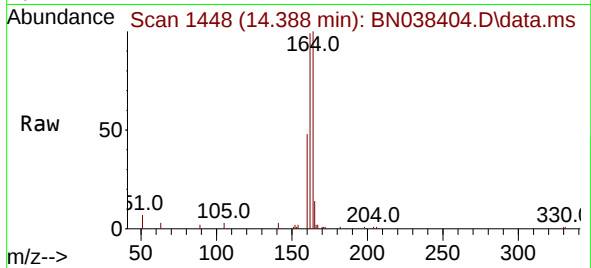
Tgt Ion:142 Resp: 4493
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 37.3 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



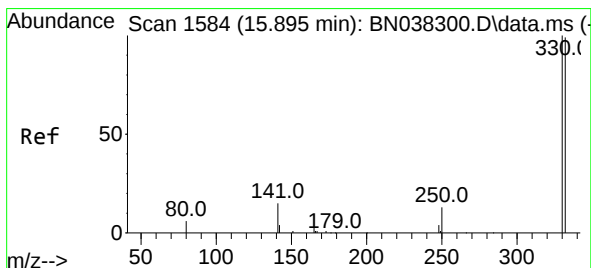
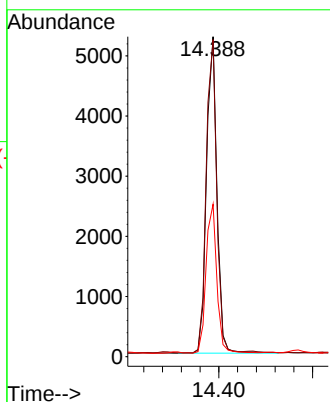
Tgt Ion:164 Resp: 810
Ion Ratio Lower Upper
164 100
162 99.1 86.2 129.4
160 47.7 44.6 67.0

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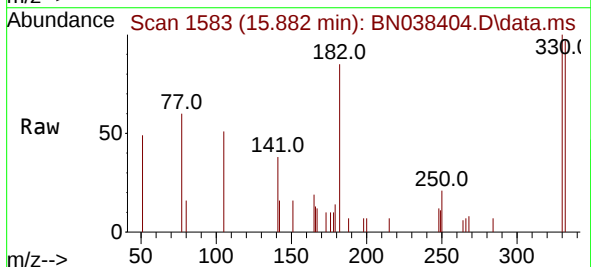
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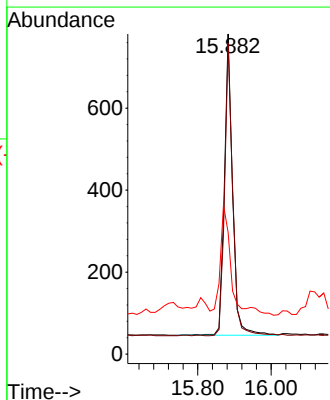
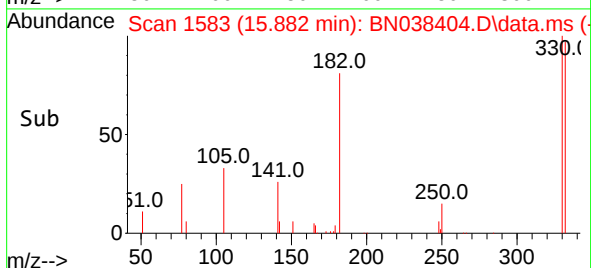
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#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44



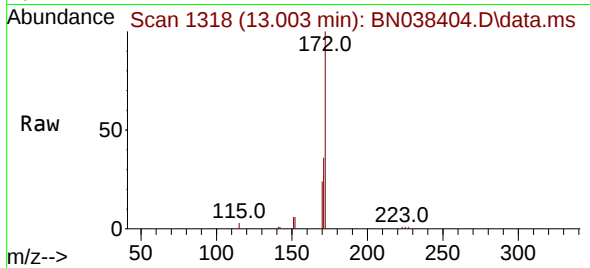
Tgt Ion:330 Resp: 1140
Ion Ratio Lower Upper
330 100
332 95.7 75.8 113.6
141 48.0 31.8 47.8#





#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



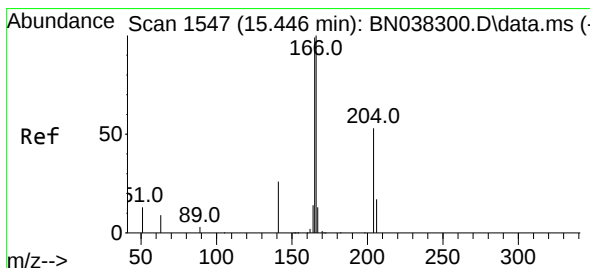
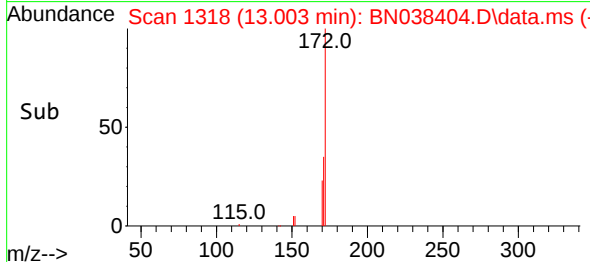
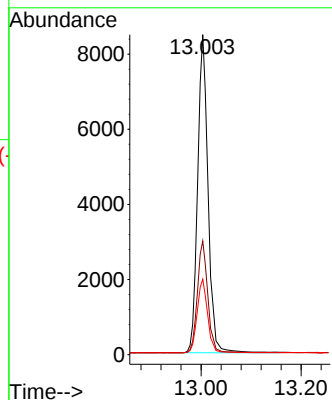
Tgt Ion:172 Resp: 1656
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.6 19.3 28.9

Manual Integrations
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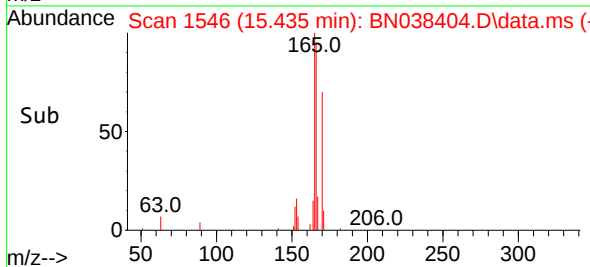
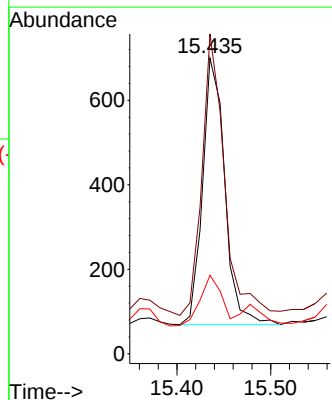
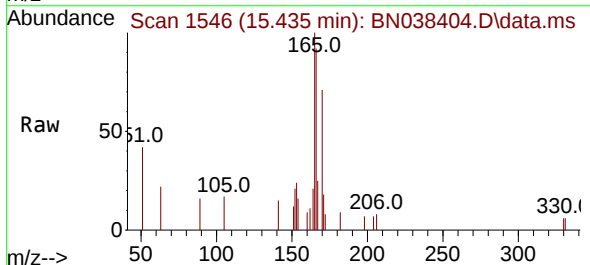
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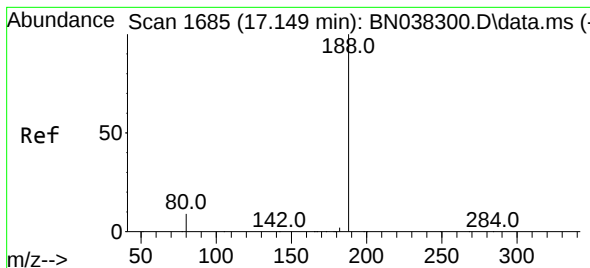
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#18
Fluorene
Concen: 0.029 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

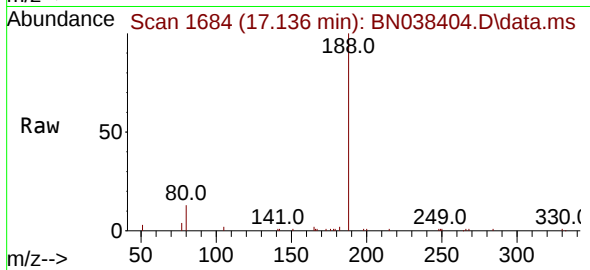
Tgt Ion:166 Resp: 1038
Ion Ratio Lower Upper
166 100
165 106.6 80.2 120.4
167 20.0 10.6 16.0#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



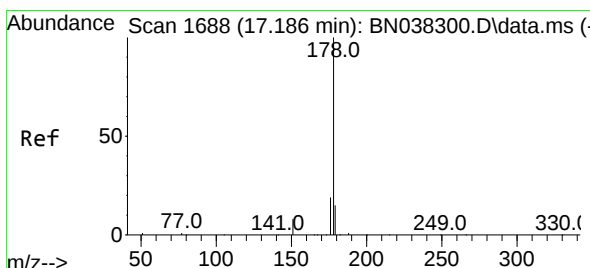
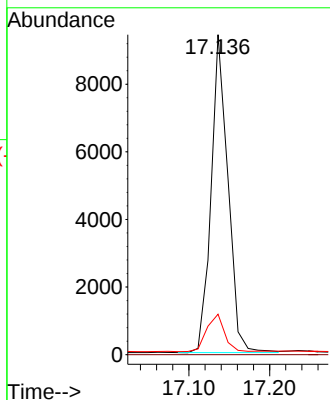
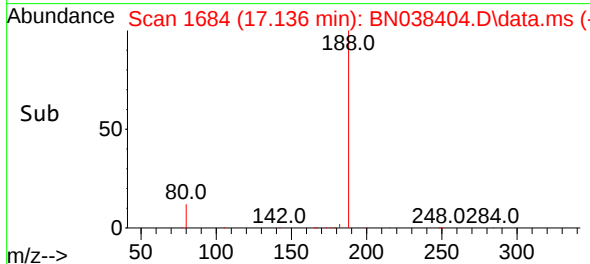
Tgt Ion:188 Resp: 1360
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 7.4 11.0

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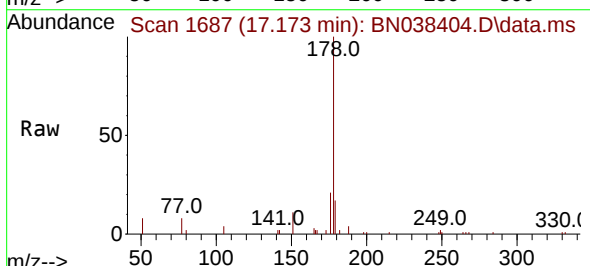
Reviewed By :Rahul
Chavli

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Upadhyay

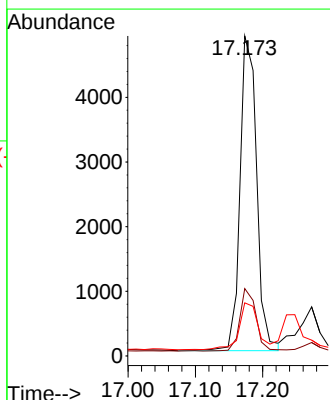
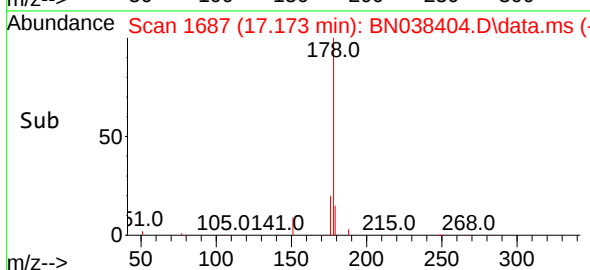
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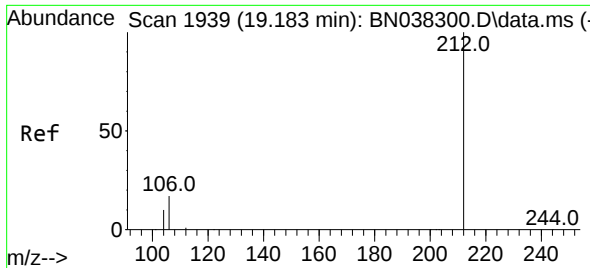


#25
Phenanthrene
Concen: 0.177 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44



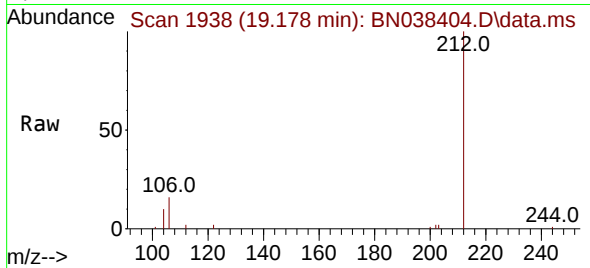
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Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 17.0 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



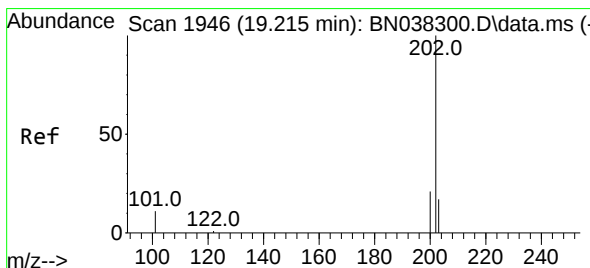
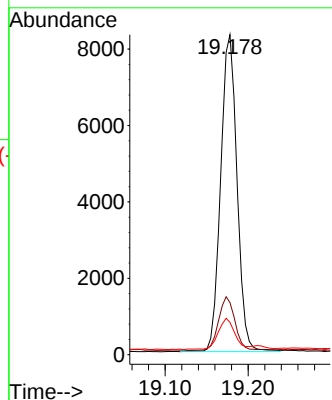
Tgt Ion:212 Resp: 1130
Ion Ratio Lower Upper
212 100
106 17.1 13.7 20.5
104 10.0 7.8 11.8

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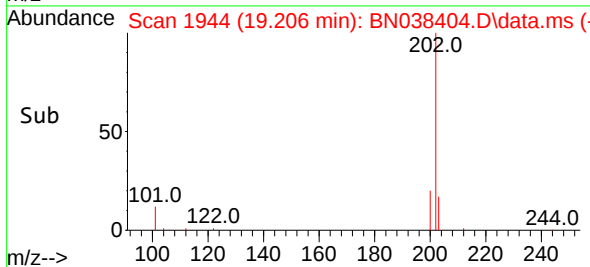
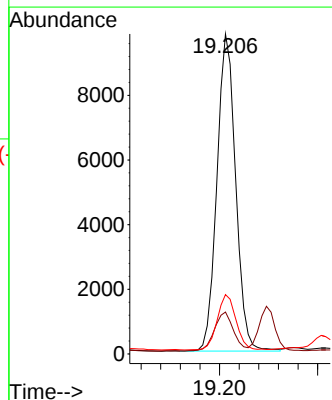
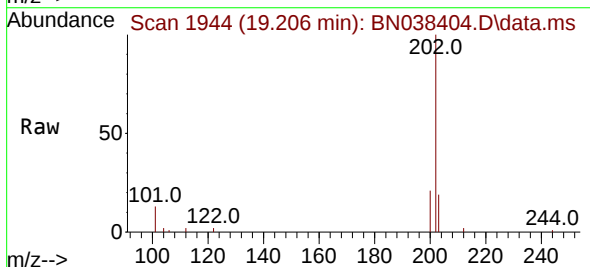
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Supervised By :Jagrut
Upadhyay

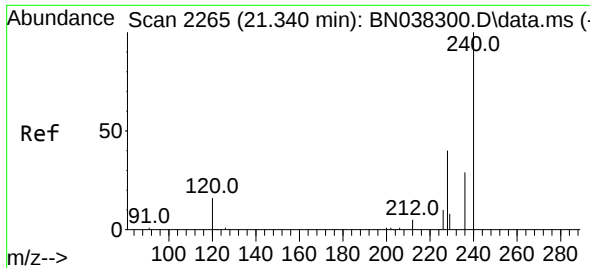
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#28
Fluoranthene
Concen: 0.258 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

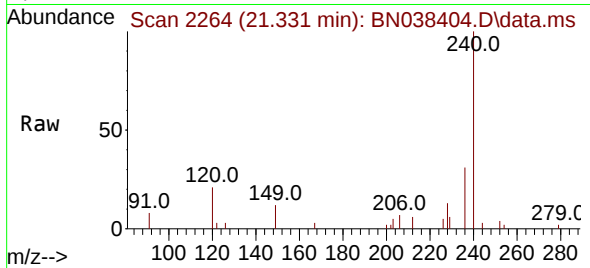
Tgt Ion:202 Resp: 12983
Ion Ratio Lower Upper
202 100
101 12.6 9.6 14.4
203 17.5 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



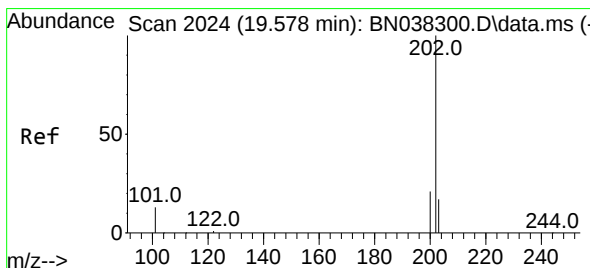
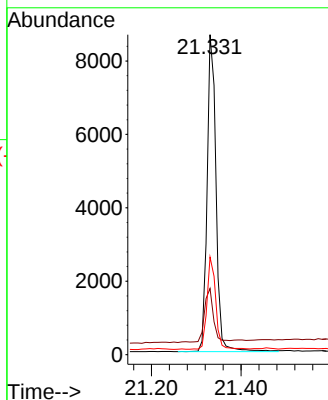
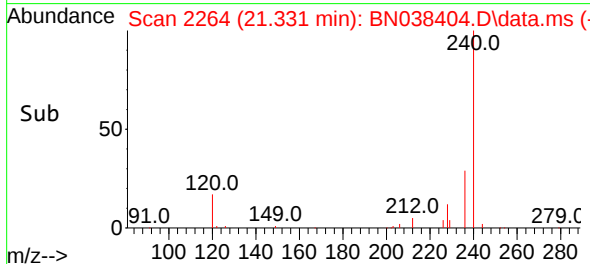
Tgt Ion:240 Resp: 1196
Ion Ratio Lower Upper
240 100
120 20.7 15.4 23.2
236 30.5 23.9 35.9

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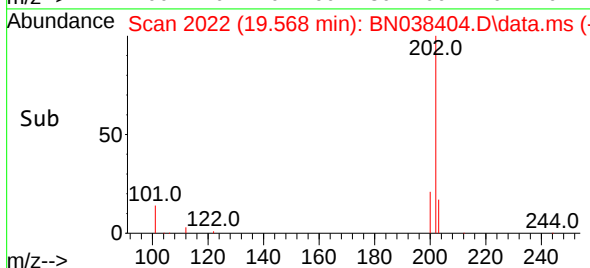
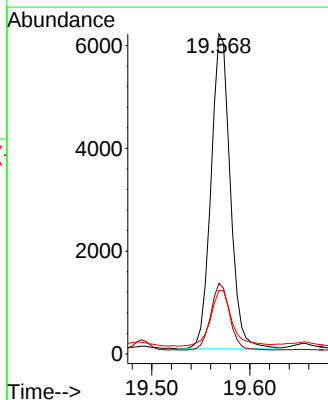
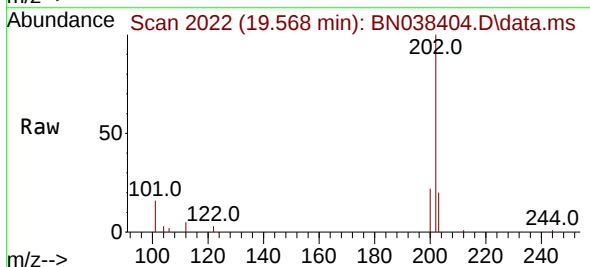
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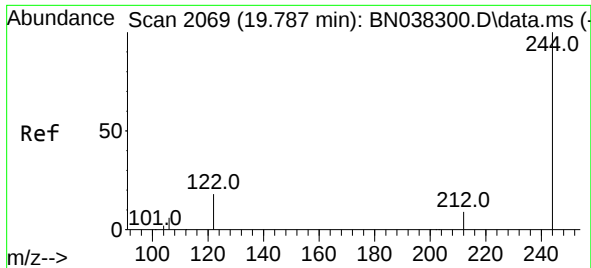
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#30
Pyrene
Concen: 0.142 ng
RT: 19.568 min Scan# 2022
Delta R.T. -0.014 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Tgt Ion:202 Resp: 8336
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 19.8 14.2 21.2



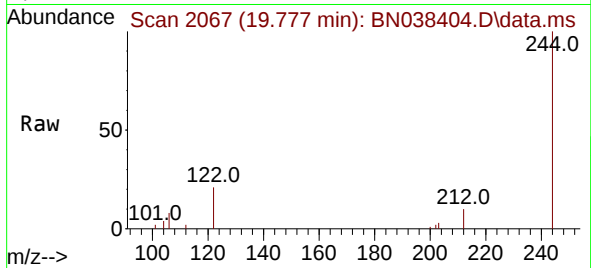


#31
 Terphenyl-d14
 Concen: 0.328 ng
 RT: 19.777 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:244 Resp: 8754
 Ion Ratio Lower Upper
 244 100
 212 10.0 7.9 11.9
 122 20.5 15.0 22.6

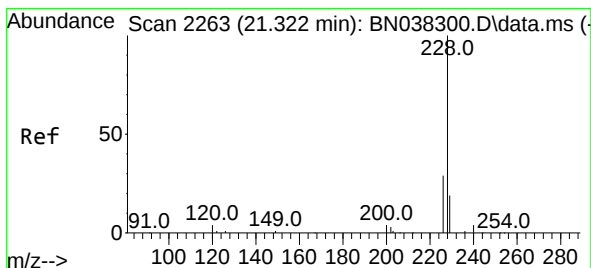
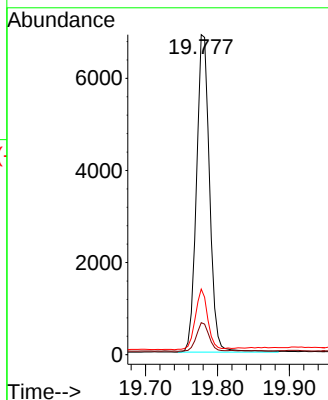
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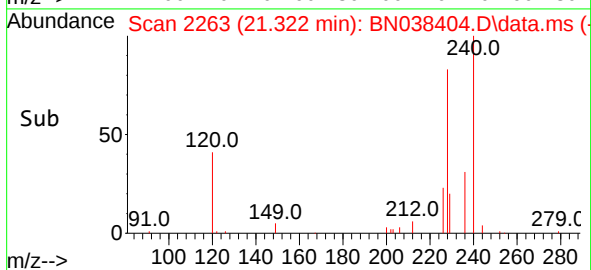
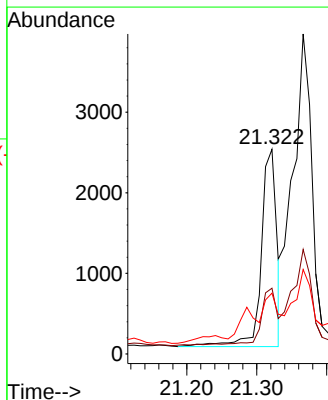
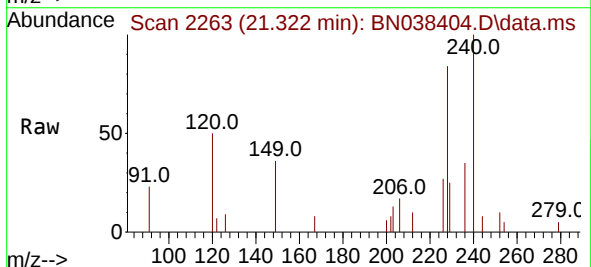
Supervised By :Jagrut
 Upadhyay

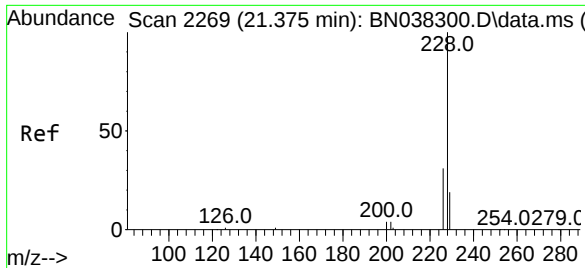
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#32
 Benzo(a)anthracene
 Concen: 0.082 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

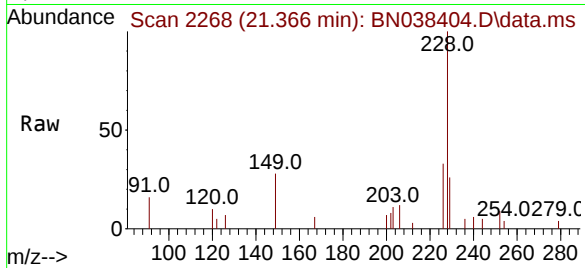
Tgt Ion:228 Resp: 3782
 Ion Ratio Lower Upper
 228 100
 226 32.1 23.3 34.9
 229 29.7 15.7 23.5#





#33
Chrysene
Concen: 0.130 ng
RT: 21.366 min Scan# 2136
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



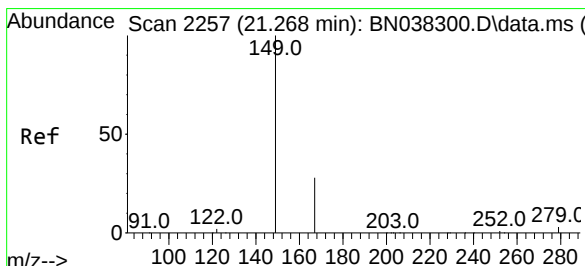
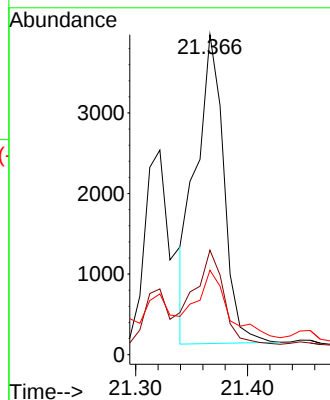
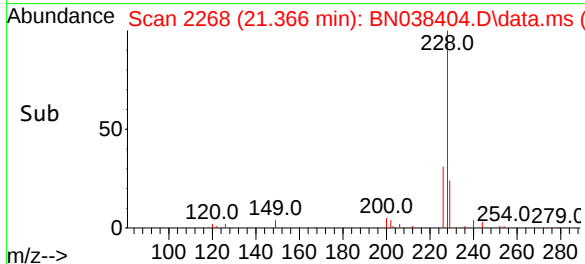
Tgt Ion:228 Resp: 663
Ion Ratio Lower Upper
228 100
226 32.7 25.0 37.4
229 26.4 15.5 23.3

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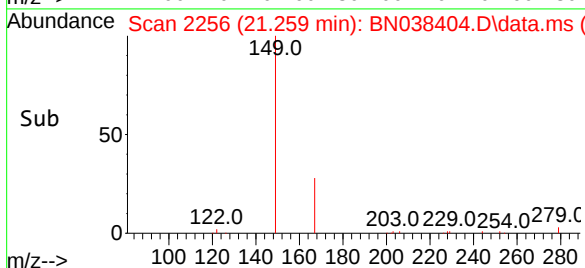
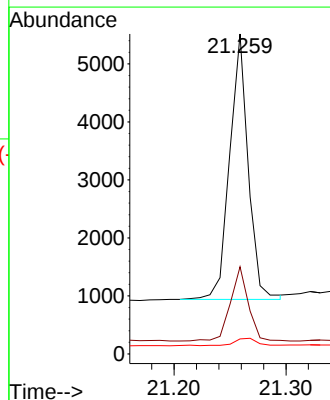
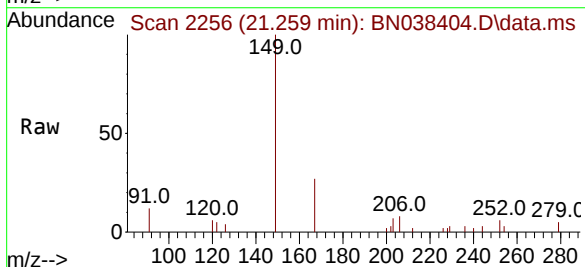
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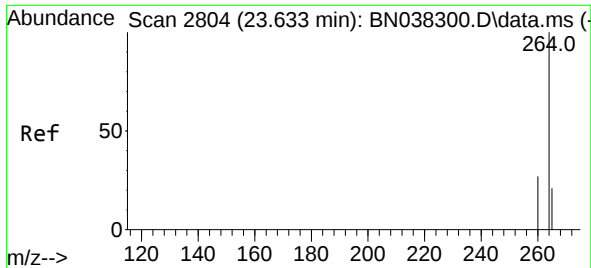
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#34
Bis(2-ethylhexyl)phthalate
Concen: 0.208 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

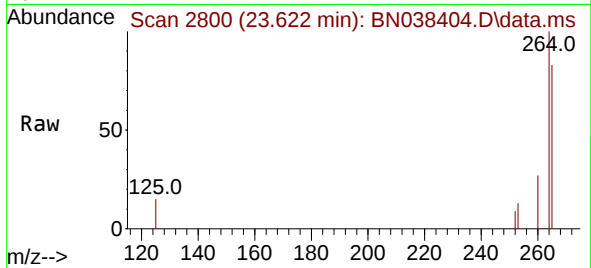
Tgt Ion:149 Resp: 5279
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.4 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Instrument :
 BNA_N
 ClientSampleId :



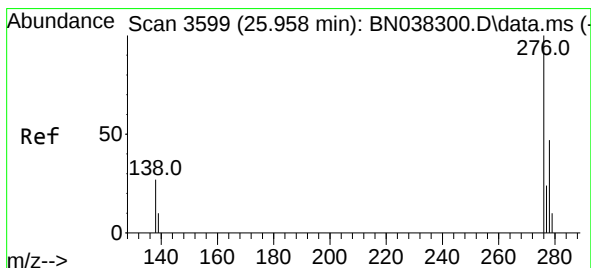
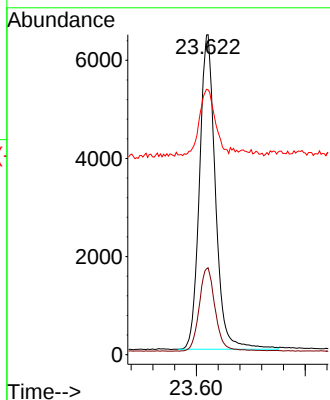
Tgt Ion:264 Resp: 1306
 Ion Ratio Lower Upper
 264 100
 260 27.1 22.2 33.2
 265 82.8 80.2 120.2

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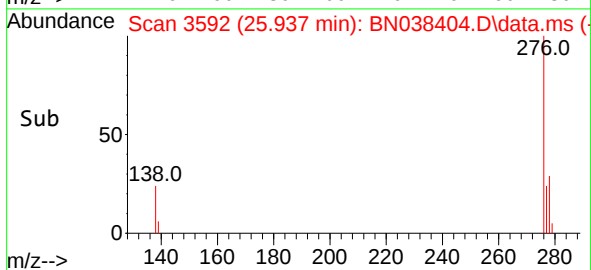
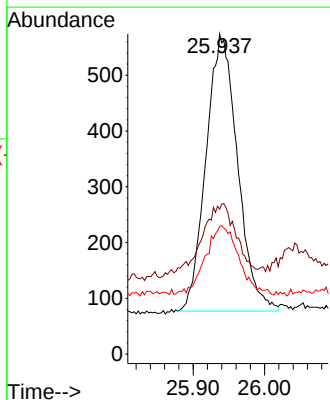
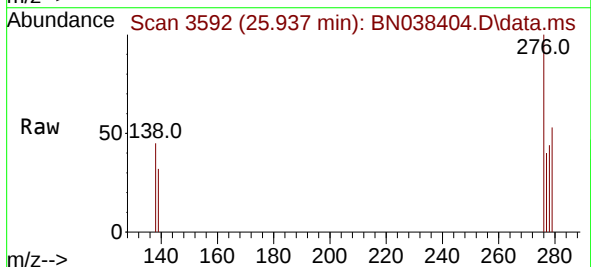
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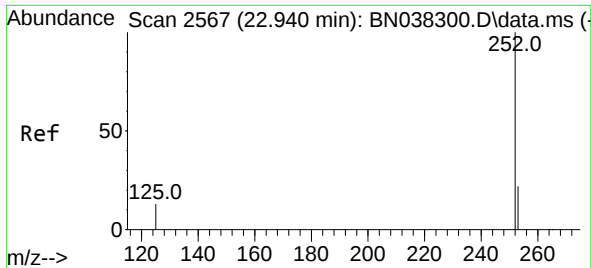
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#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.022 ng
 RT: 25.937 min Scan# 3592
 Delta R.T. -0.026 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

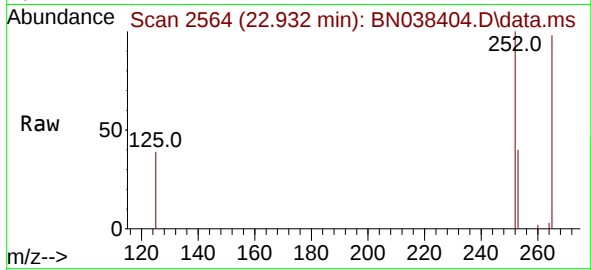
Tgt Ion:276 Resp: 1525
 Ion Ratio Lower Upper
 276 100
 138 25.7 23.6 35.4
 277 26.4 19.7 29.5





#37
Benzo(b)fluoranthene
Concen: 0.136 ng m
RT: 22.932 min Scan# 2567
Delta R.T. -0.015 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

Instrument :
BNA_N
ClientSampleId :



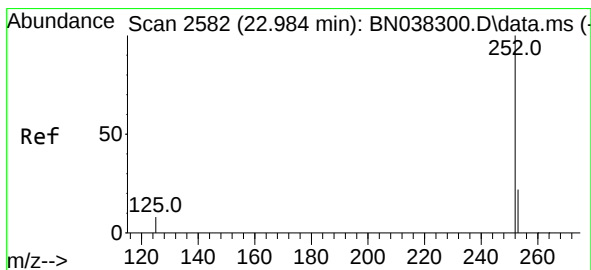
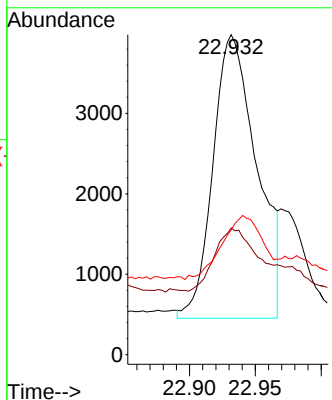
Tgt Ion:252 Resp: 8172
Ion Ratio Lower Upper
252 100
253 39.6 21.1 31.7
125 38.9 16.4 24.6

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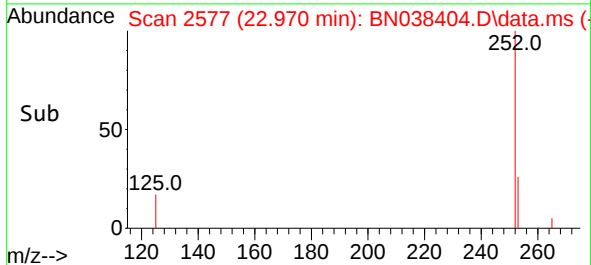
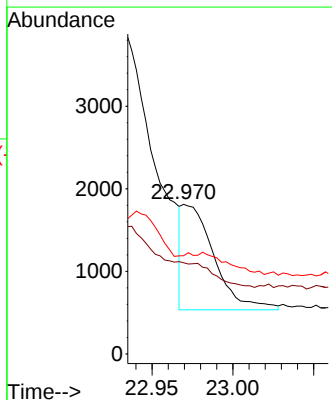
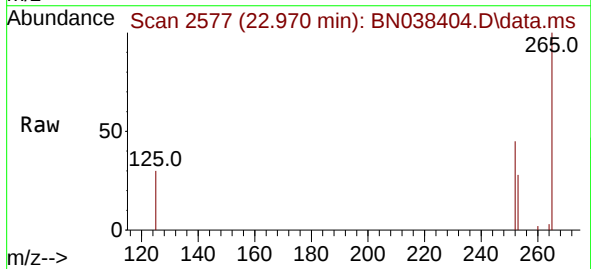
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Upadhyay

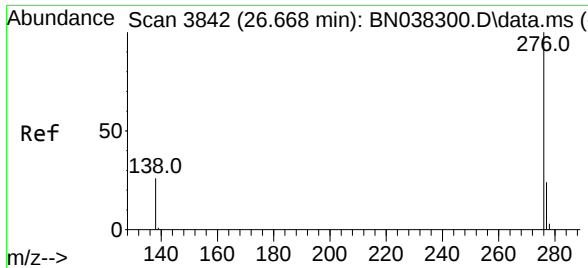
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#38
Benzo(k)fluoranthene
Concen: 0.029 ng m
RT: 22.970 min Scan# 2577
Delta R.T. -0.020 min
Lab File: BN038404.D
Acq: 15 Dec 2025 14:44

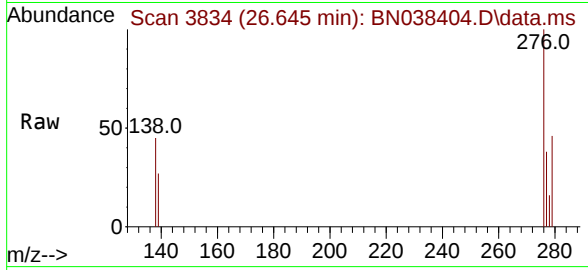
Tgt Ion:252 Resp: 1745
Ion Ratio Lower Upper
252 100
253 61.0 21.4 32.0#
125 65.6 16.2 24.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.027 ng
 RT: 26.645 min Scan# 3842
 Delta R.T. -0.032 min
 Lab File: BN038404.D
 Acq: 15 Dec 2025 14:44

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion: 276 Resp: 1635

Ion	Ratio	Lower	Upper
276	100		
277	38.0	20.0	30.0
138	45.4	21.8	32.6

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 Chavli

12/16/2025
 Supervised By :Jagrut
 Upadhyay

12/16/2025

