

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038408.D
 Acq On : 15 Dec 2025 17:09
 Operator : RC/JU
 Sample : Q3839-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AN7

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

Quant Time: Dec 15 23:54:57 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	7.710	152	5938	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	16261	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	8787	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	16515	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	13627	0.400	ng	# 0.00
35) Perylene-d12	23.619	264	15049	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	3973	0.269	ng	0.00
5) Phenol-d6	6.880	99	4311	0.245	ng	0.00
8) Nitrobenzene-d5	8.865	82	3145	0.229	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	3884	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	909	0.233	ng	-0.01
15) 2-Fluorobiphenyl	13.004	172	9315	0.220	ng	0.00
27) Fluoranthene-d10	19.178	212	4491	0.110	ng	0.00
31) Terphenyl-d14	19.778	244	4423	0.145	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.562	128	31576	0.657	ng	100
12) 2-Methylnaphthalene	12.187	142	27152	0.890	ng	100
16) Acenaphthylene	14.099	152	5479	0.127	ng	# 86
17) Acenaphthene	14.441	154	7085	0.236	ng	96
18) Fluorene	15.435	166	7767	0.201	ng	# 92
25) Phenanthrene	17.173	178	166252	2.892	ng	98
26) Anthracene	17.273	178	34836	0.703	ng	96
28) Fluoranthene	19.206	202	152354	2.494	ng	99
30) Pyrene	19.569	202	120522	1.797	ng	97
32) Benzo(a)anthracene	21.322	228	47499	0.902	ng	98
33) Chrysene	21.367	228	48357	0.834	ng	97
34) Bis(2-ethylhexyl)phtha...	21.259	149	3918	0.136	ng	# 92
36) Indeno(1,2,3-cd)pyrene	25.934	276	26852	0.336	ng	94
37) Benzo(b)fluoranthene	22.932	252	61760	0.894	ng	98
38) Benzo(k)fluoranthene	22.973	252	21739m	0.315	ng	
39) Benzo(a)pyrene	23.516	252	39704m	0.702	ng	
40) Dibenzo(a,h)anthracene	25.943	278	7068	0.115	ng	# 73
41) Benzo(g,h,i)perylene	26.639	276	30092	0.437	ng	100

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

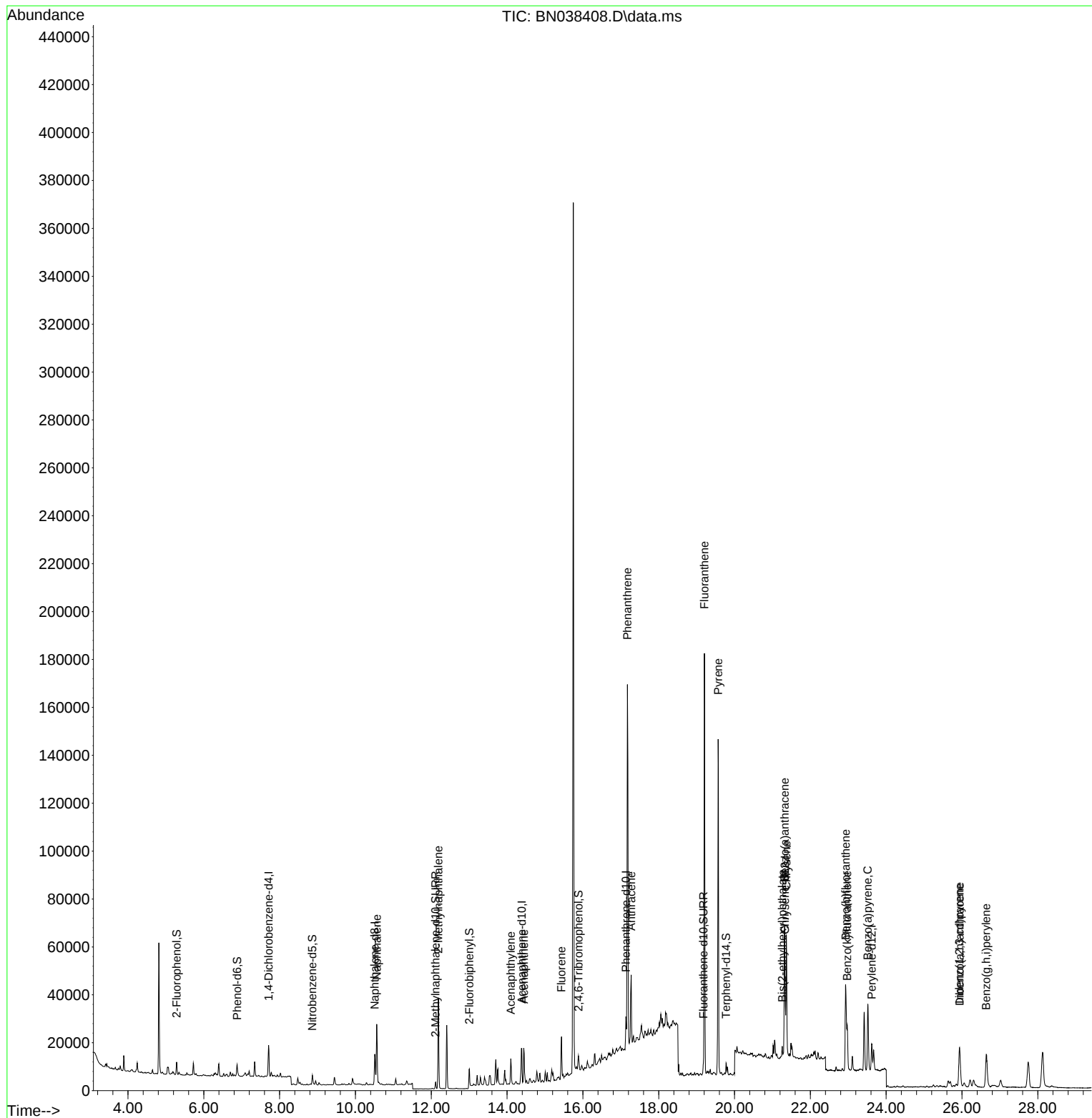
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
Data File : BN038408.D
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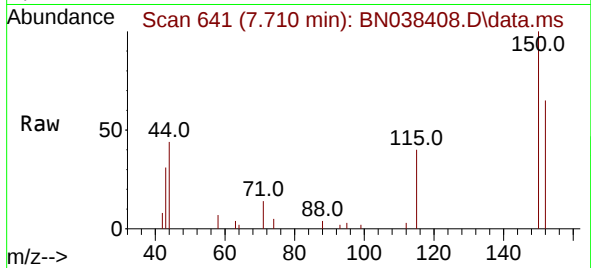
Quant Time: Dec 15 23:54:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 643
Delta R.T. -0.014 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

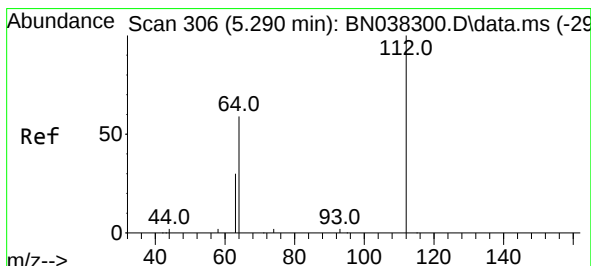
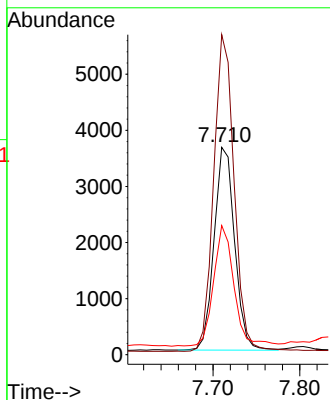
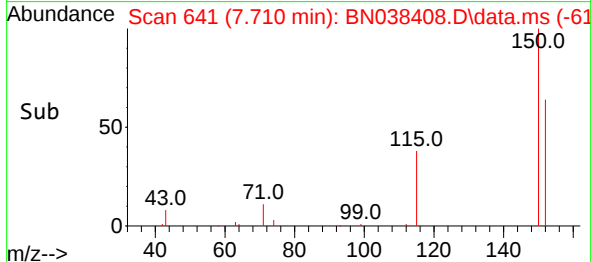
Instrument :
BNA_N
ClientSampleId :
COAN7



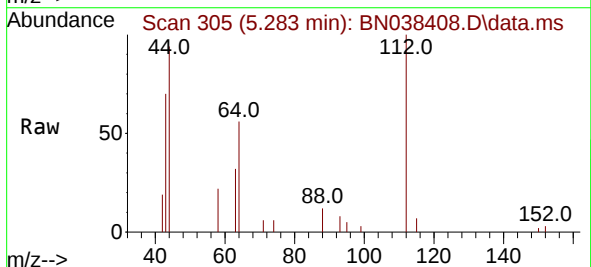
Tgt Ion:152 Resp: 5938
Ion Ratio Lower Upper
152 100
150 154.3 122.4 183.6
115 62.2 47.3 70.9

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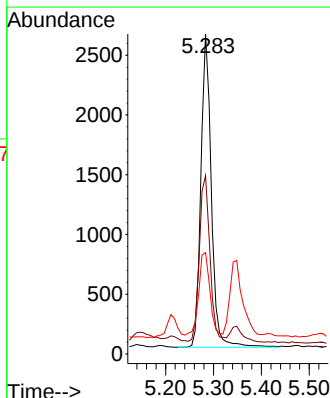
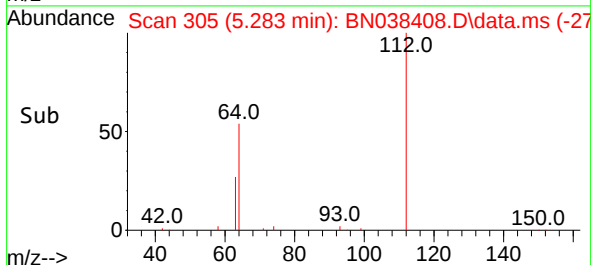
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

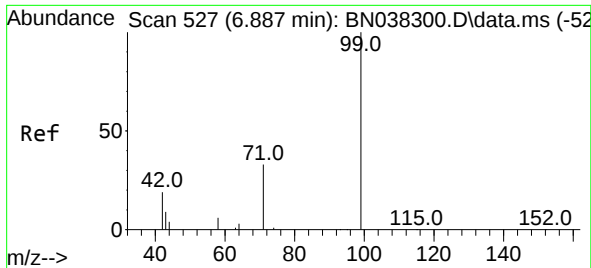


#4
2-Fluorophenol
Concen: 0.269 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



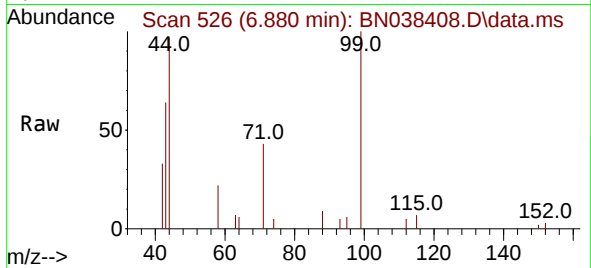
Tgt Ion:112 Resp: 3973
Ion Ratio Lower Upper
112 100
64 54.8 44.4 66.6
63 28.7 23.4 35.0





#5
Phenol-d6
Concen: 0.245 ng
RT: 6.880 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

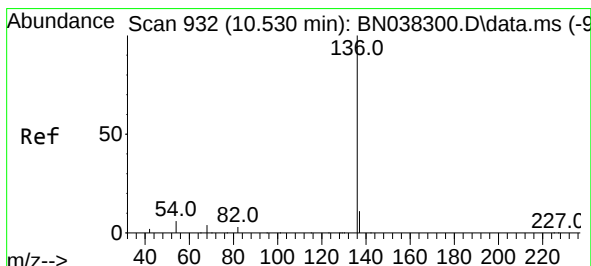
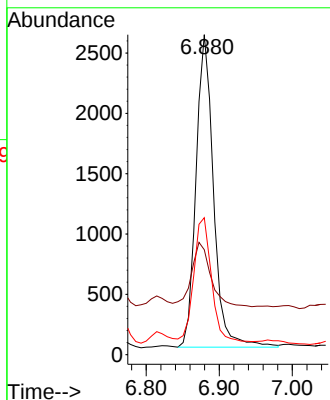
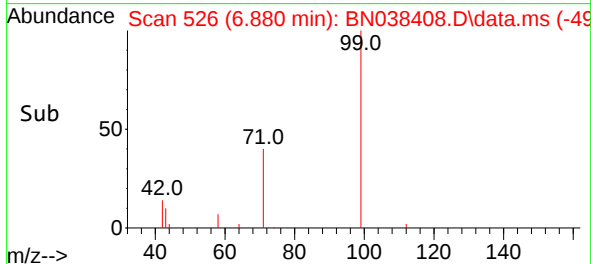
Instrument :
BNA_N
ClientSampleId :
COAN7



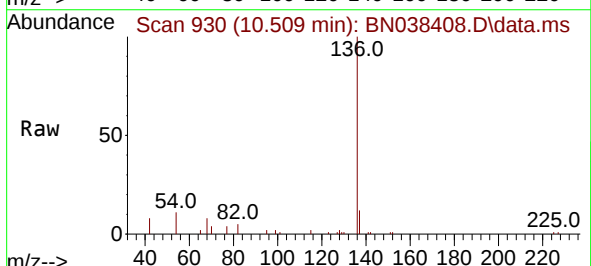
Tgt Ion: 99 Resp: 431
Ion Ratio Lower Upper
99 100
42 22.6 16.5 24.7
71 41.6 24.9 37.3

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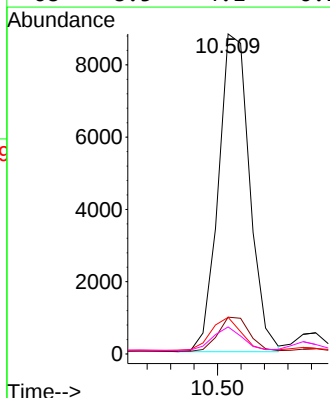
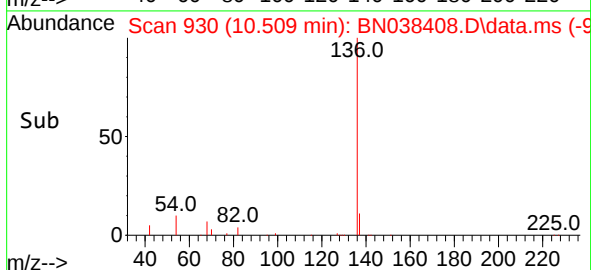
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



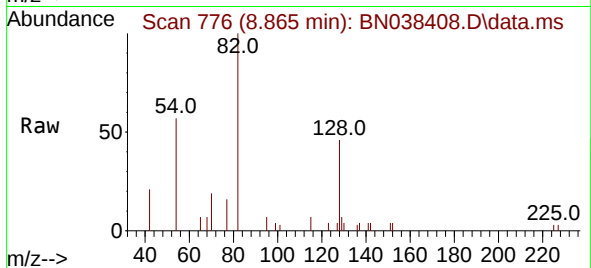
Tgt Ion:136 Resp: 16261
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.5 5.2 7.8#
68 8.5 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

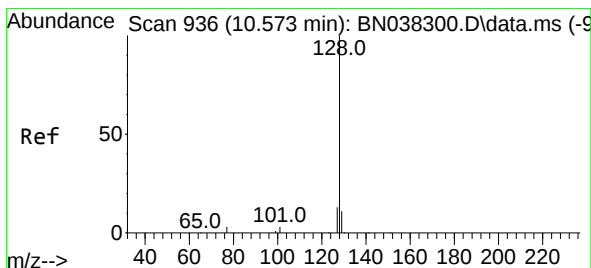
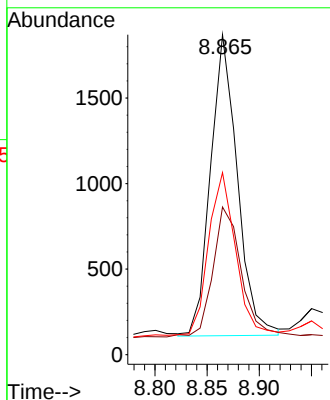
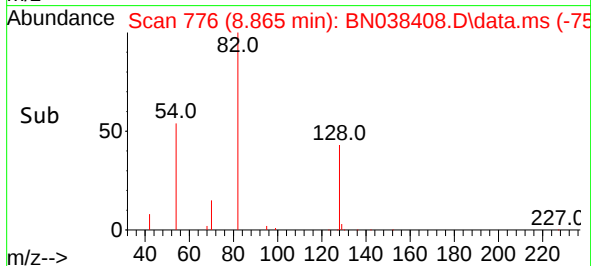
Instrument :
BNA_N
ClientSampleId :
COAN7



Tgt Ion: 82 Resp: 3145
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 56.9 44.4 66.6

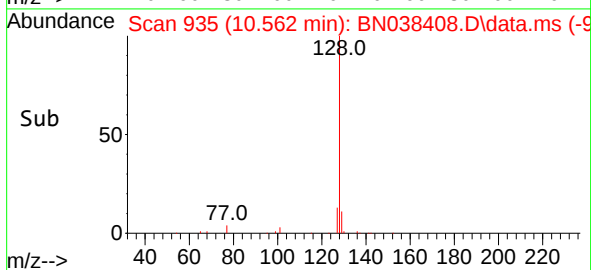
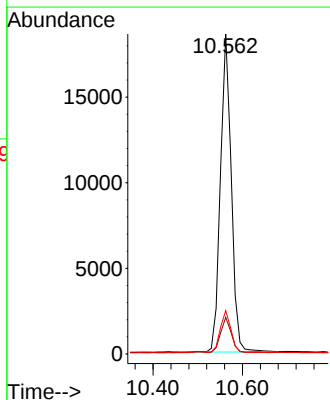
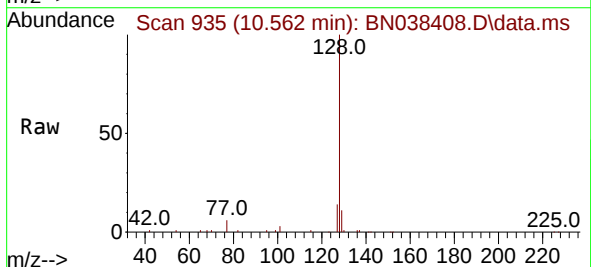
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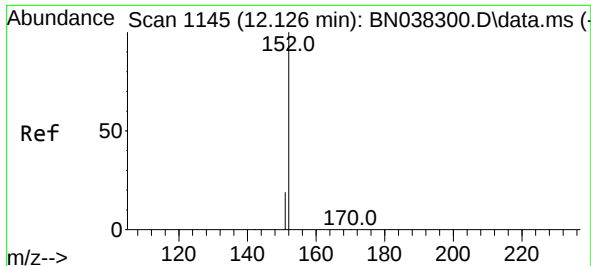
Reviewed By :Rahul Chavli 12/16/2025
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#9
Naphthalene
Concen: 0.657 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

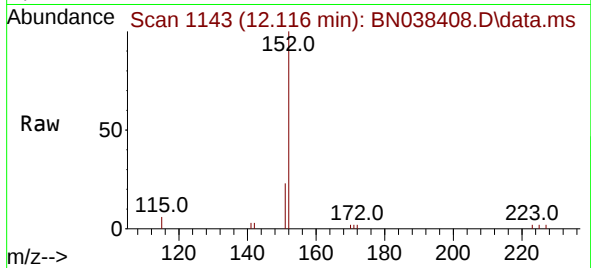
Tgt Ion:128 Resp: 31576
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.5 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

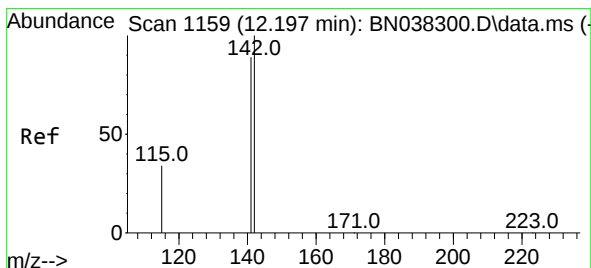
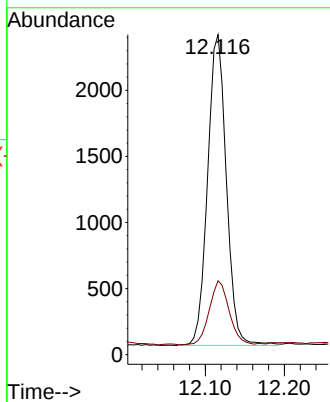
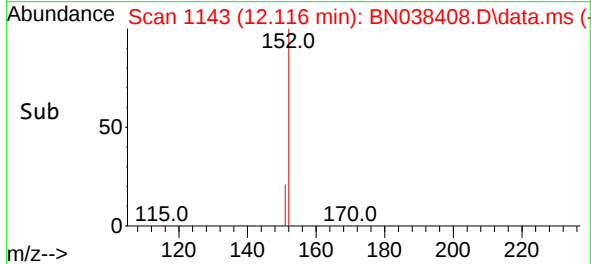
Instrument :
BNA_N
ClientSampleId :
COAN7



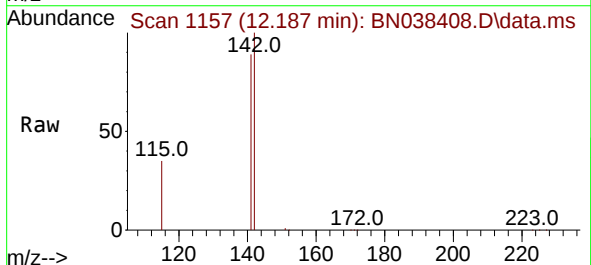
Tgt Ion:152 Resp: 3884
Ion Ratio Lower Upper
152 100
151 21.9 17.0 25.6

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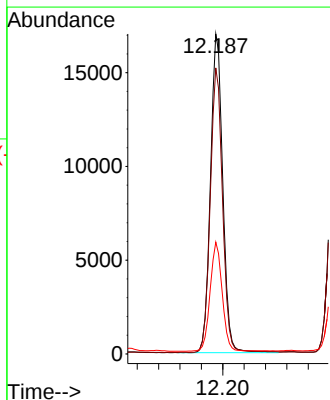
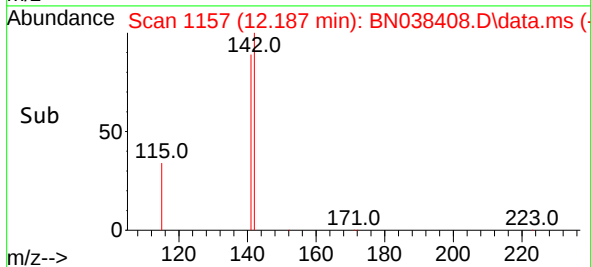
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

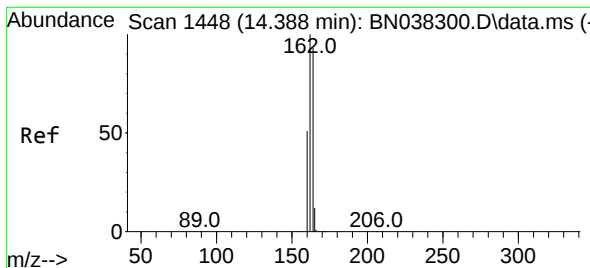


#12
2-Methylnaphthalene
Concen: 0.890 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



Tgt Ion:142 Resp: 27152
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 34.9 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: BN038408.D

Acq: 15 Dec 2025 17:09

Instrument :

BNA_N

ClientSampleId :

COAN7

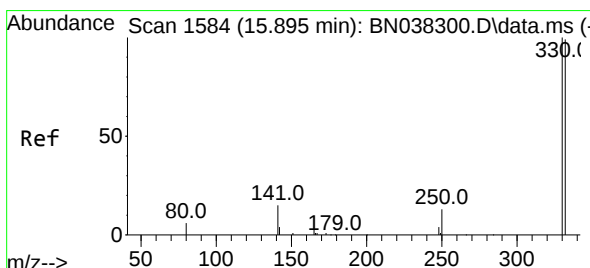
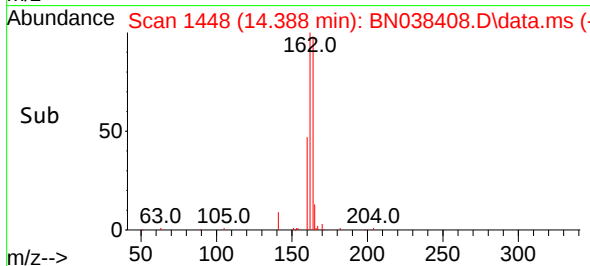
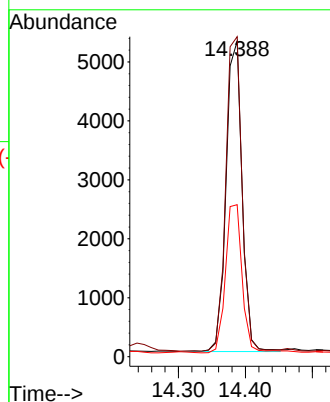
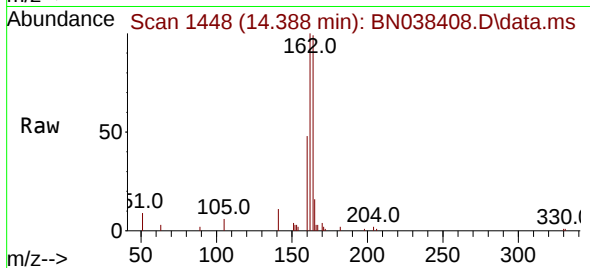
Tgt Ion:	164	Resp:	878
Ion Ratio	Lower	Upper	
164	100		
162	101.4	86.2	129.4
160	48.2	44.6	67.0

Manual Integrations

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#14

2,4,6-Tribromophenol

Concen: 0.233 ng

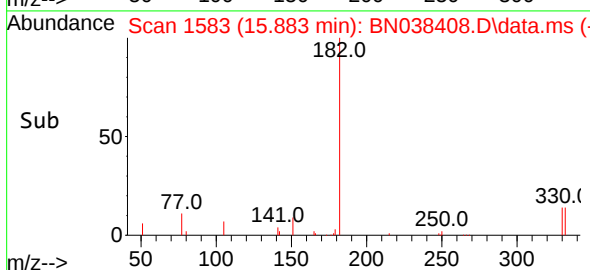
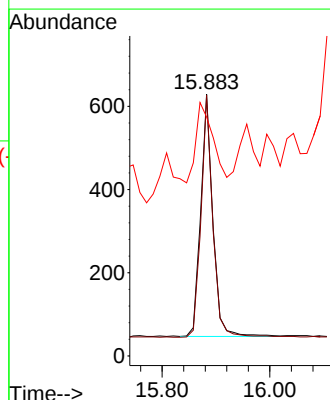
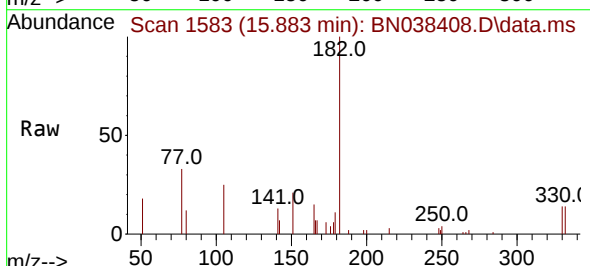
RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038408.D

Acq: 15 Dec 2025 17:09

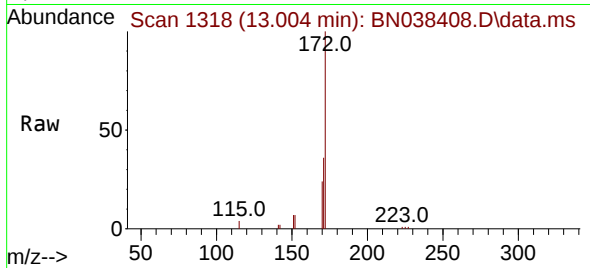
Tgt Ion:	330	Resp:	909
Ion Ratio	Lower	Upper	
330	100		
332	97.1	75.8	113.6
141	48.6	31.8	47.8





#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 13.004 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

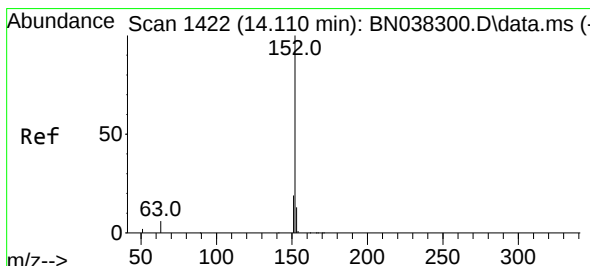
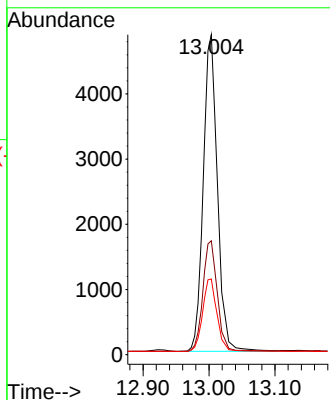
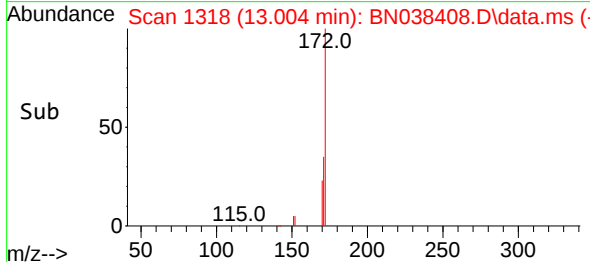
Instrument :
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Tgt Ion:172 Resp: 9315
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.7 19.3 28.9

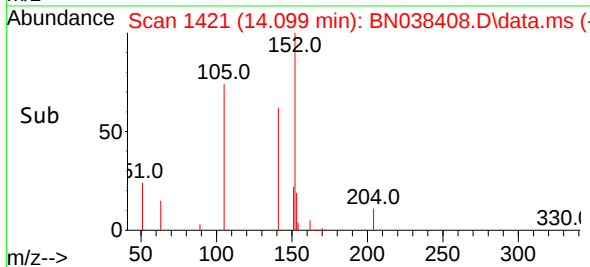
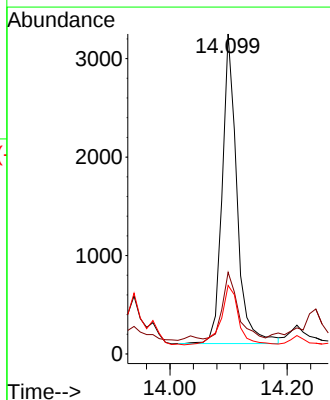
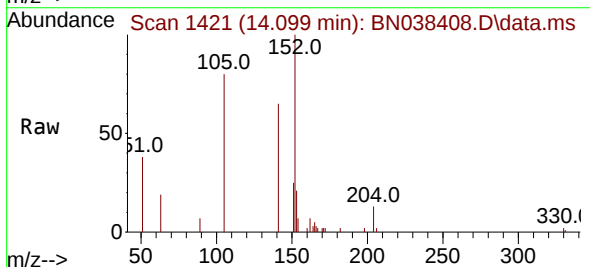
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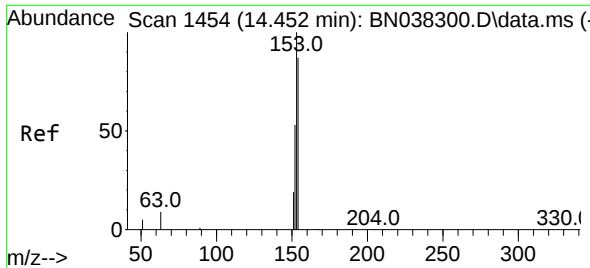
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#16
Acenaphthylene
Concen: 0.127 ng
RT: 14.099 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

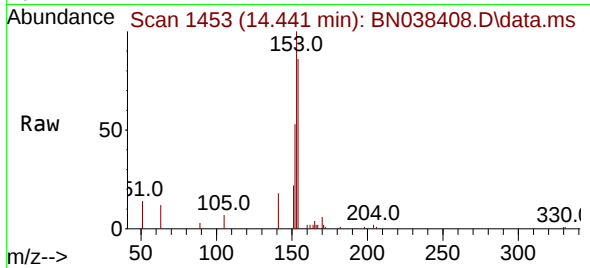
Tgt Ion:152 Resp: 5479
Ion Ratio Lower Upper
152 100
151 22.3 15.4 23.2
153 23.1 10.2 15.4#





#17
Acenaphthene
Concen: 0.236 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

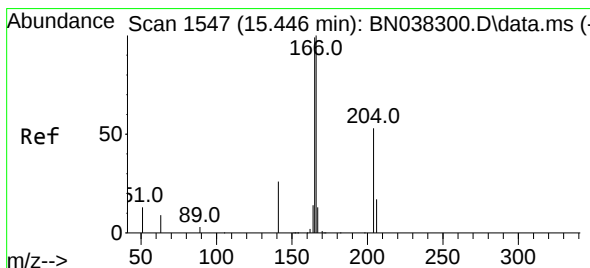
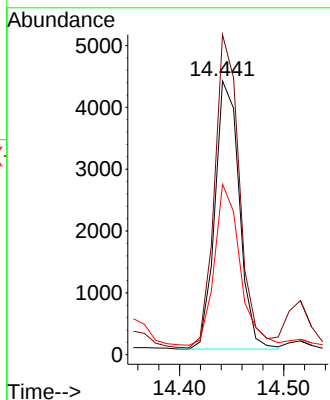
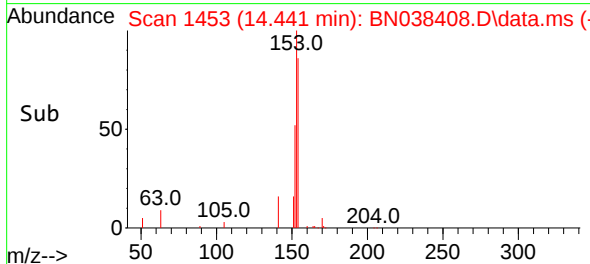
Instrument :
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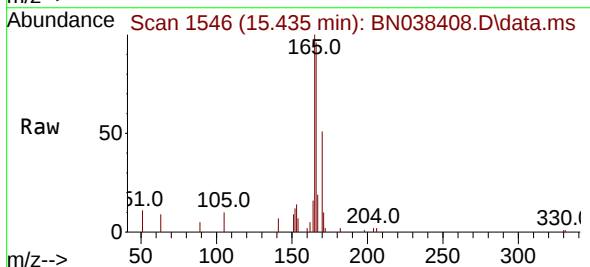
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Ion Ratio Lower Upper
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153 117.5 89.8 134.8
152 62.1 47.5 71.3

Manual Integrations
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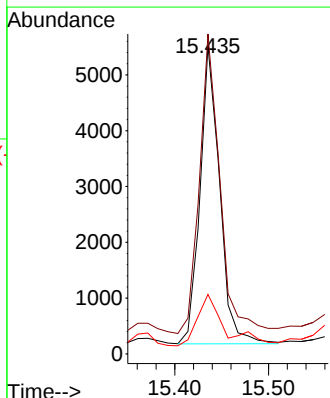
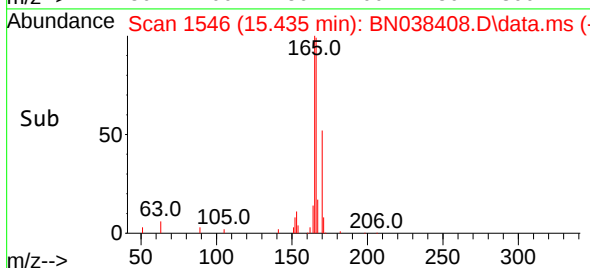
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

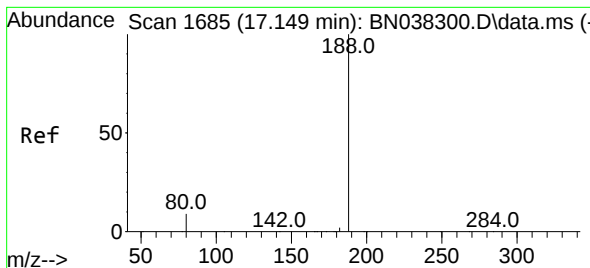


#18
Fluorene
Concen: 0.201 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



Tgt Ion:166 Resp: 7767
Ion Ratio Lower Upper
166 100
165 105.4 80.2 120.4
167 24.1 10.6 16.0#





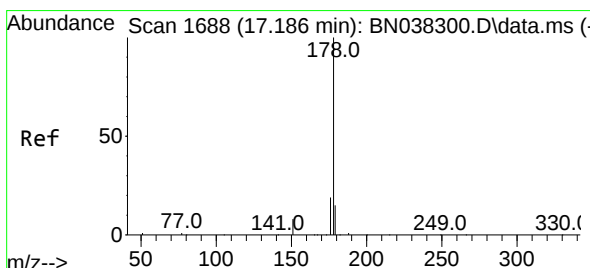
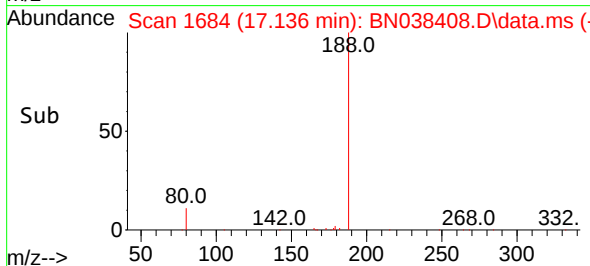
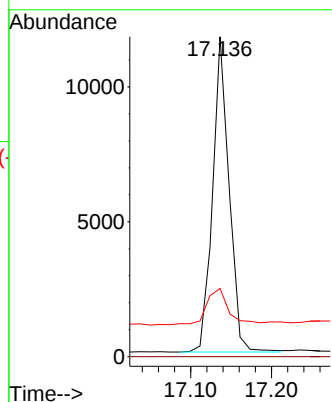
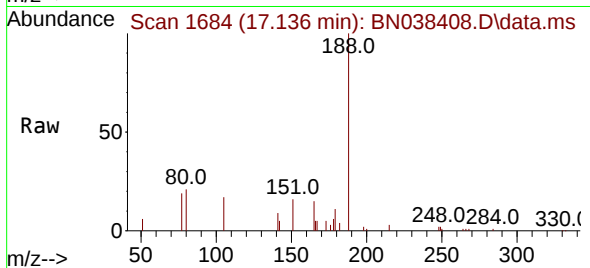
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Instrument :
BNA_N
ClientSampleId :
COAN7

Tgt Ion:188 Resp: 1651
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 21.3 7.4 11.0

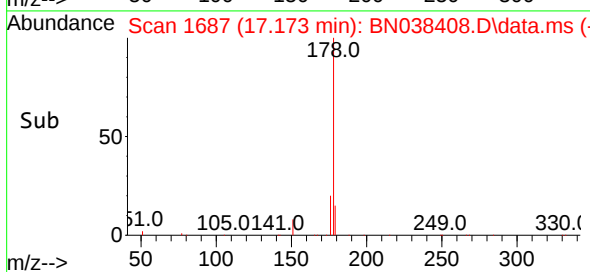
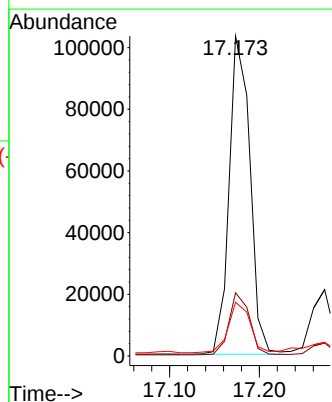
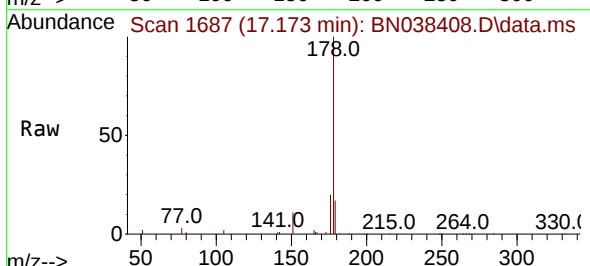
Manual Integrations
APPROVED

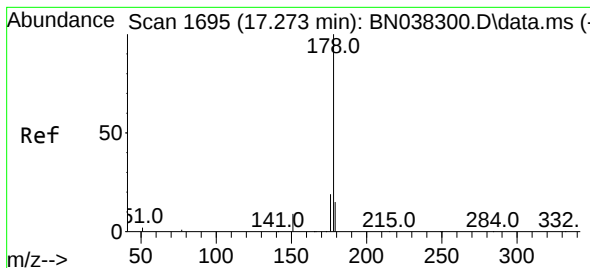
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#25
Phenanthrene
Concen: 2.892 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

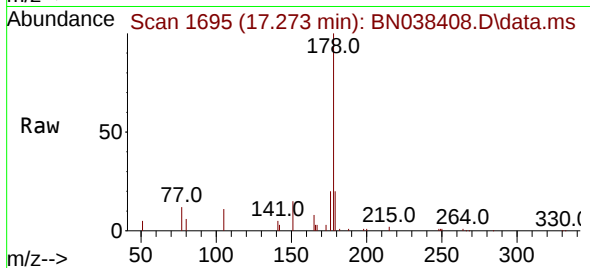
Tgt Ion:178 Resp: 166252
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.6 12.2 18.2





#26
 Anthracene
 Concen: 0.703 ng
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

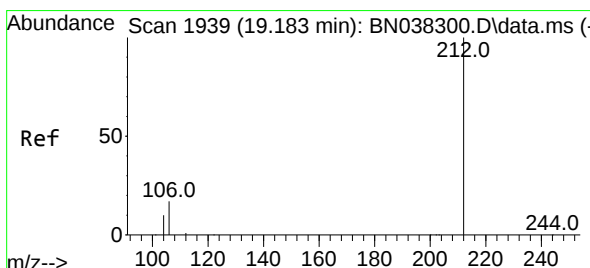
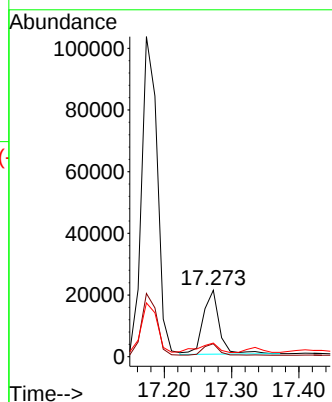
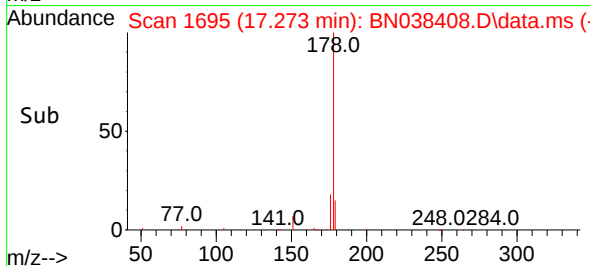
Instrument :
 BNA_N
 ClientSampleId :
 C0AN7



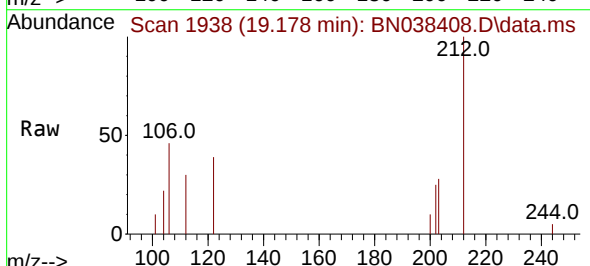
Tgt Ion:178 Resp: 34830
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 17.9 12.0 18.0

Manual Integrations
 APPROVED

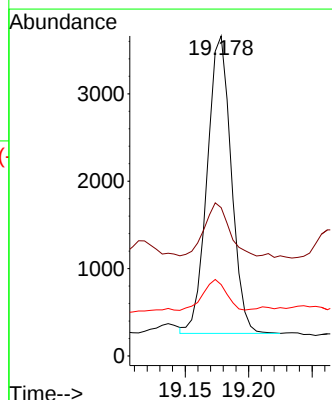
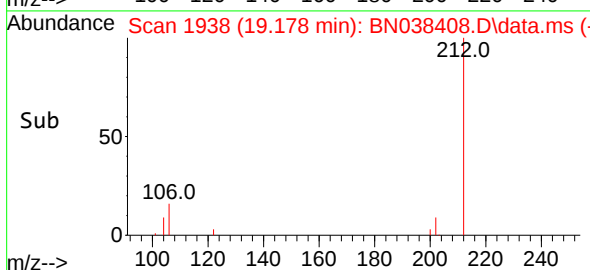
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

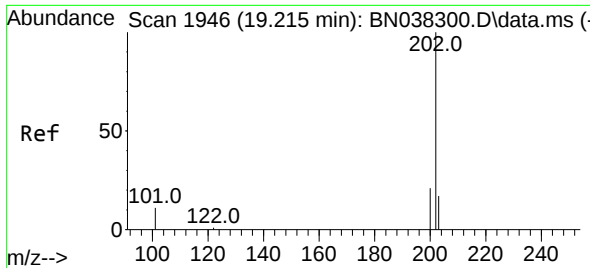


#27
 Fluoranthene-d10
 Concen: 0.110 ng
 RT: 19.178 min Scan# 1938
 Delta R.T. -0.009 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09



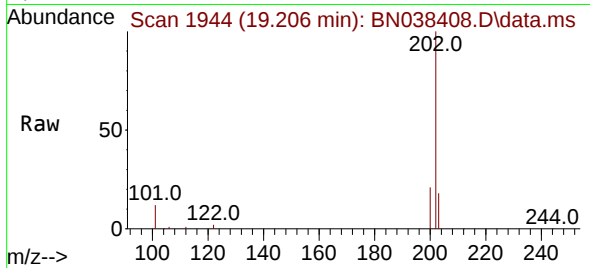
Tgt Ion:212 Resp: 4491
 Ion Ratio Lower Upper
 212 100
 106 20.7 13.7 20.5#
 104 10.6 7.8 11.8





#28
Fluoranthene
Concen: 2.494 ng
RT: 19.206 min Scan# 1944
Delta R.T. -0.014 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

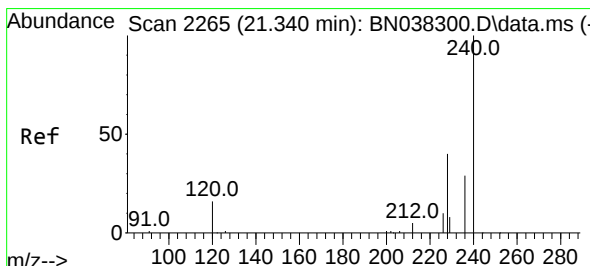
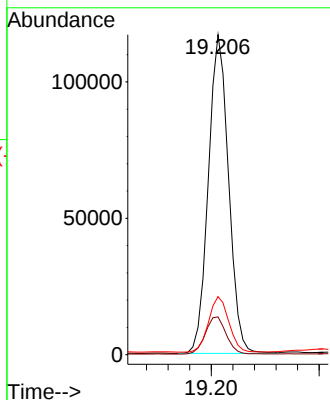
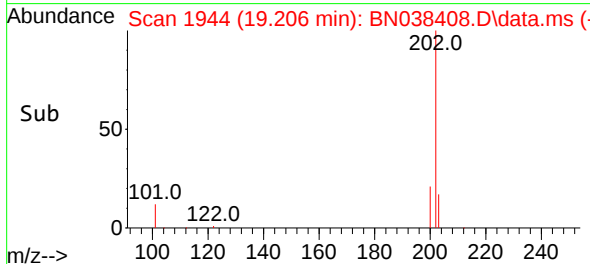
Instrument :
BNA_N
ClientSampleId :
C0AN7



Tgt Ion:202 Resp: 152354
Ion Ratio Lower Upper
202 100
101 12.1 9.6 14.4
203 17.4 13.5 20.3

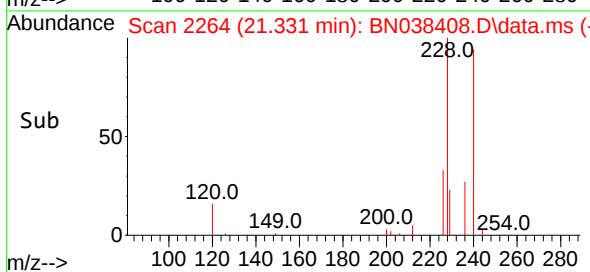
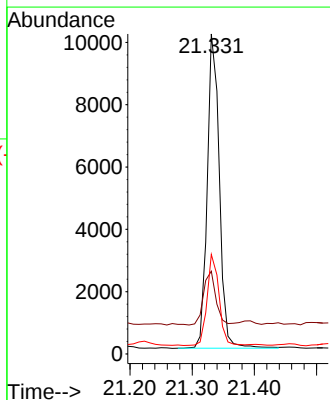
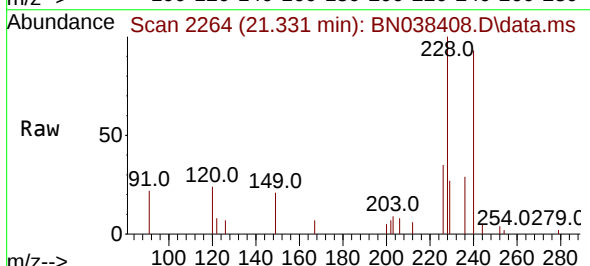
Manual Integrations
APPROVED

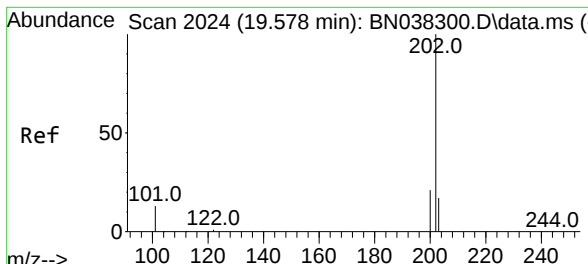
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:240 Resp: 13627
Ion Ratio Lower Upper
240 100
120 25.9 15.4 23.2#
236 31.1 23.9 35.9



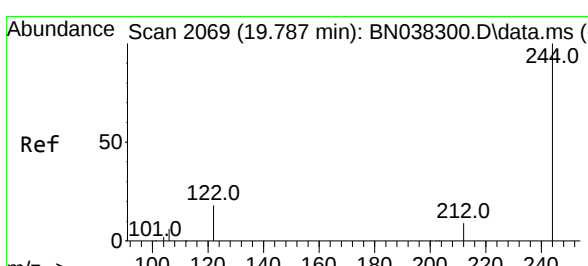
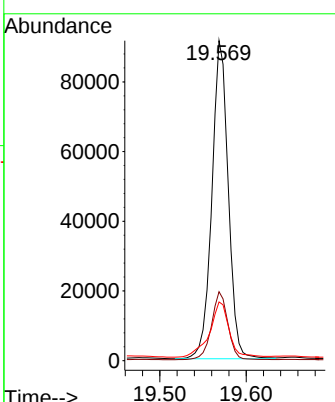
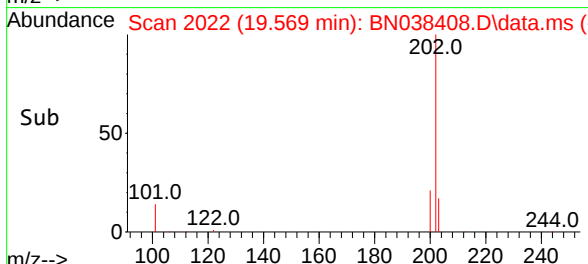
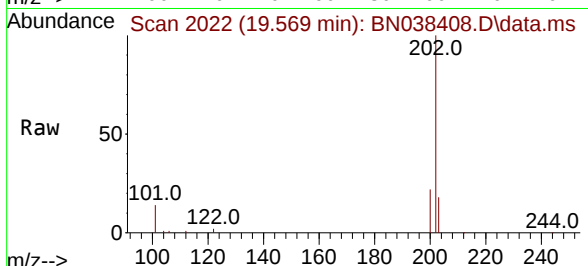


#30
 Pyrene
 Concen: 1.797 ng
 RT: 19.569 min Scan# 2022
 Delta R.T. -0.014 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

Instrument : BNA_N
 ClientSampleId : COAN7

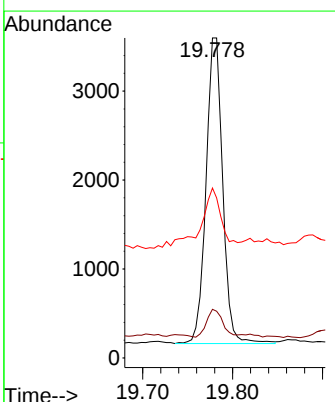
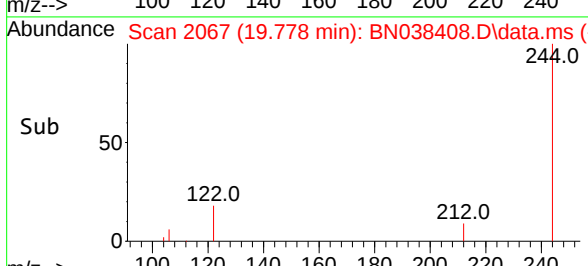
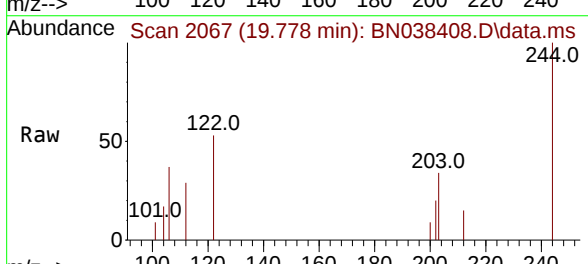
Tgt Ion:	202	Resp:	12052
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	20.8	14.2	21.2

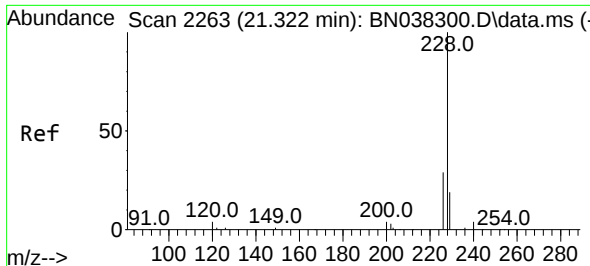
Manual Integrations
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 Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#31
 Terphenyl-d14
 Concen: 0.145 ng
 RT: 19.778 min Scan# 2067
 Delta R.T. -0.014 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

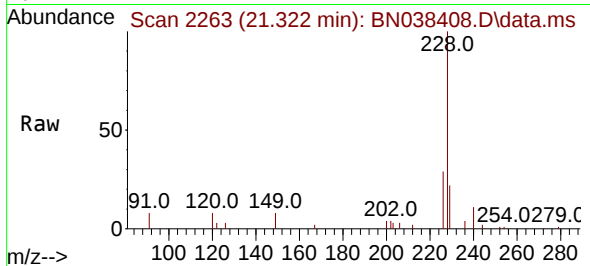
Tgt Ion:	244	Resp:	4423
Ion Ratio	Lower	Upper	
244	100		
212	15.2	7.9	11.9#
122	53.1	15.0	22.6#





#32
Benzo(a)anthracene
Concen: 0.902 ng
RT: 21.322 min Scan# 21322
Delta R.T. -0.009 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

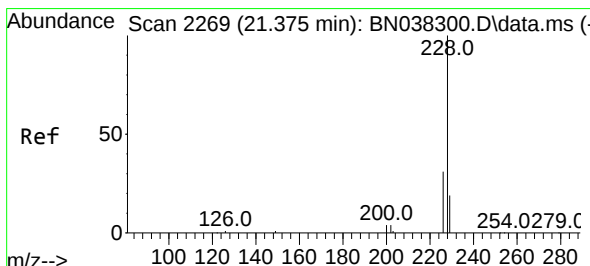
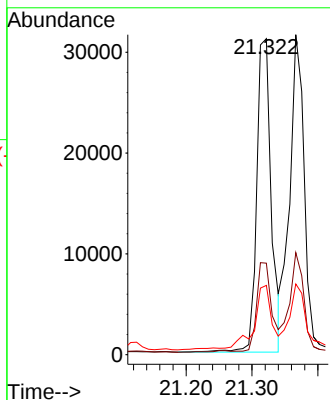
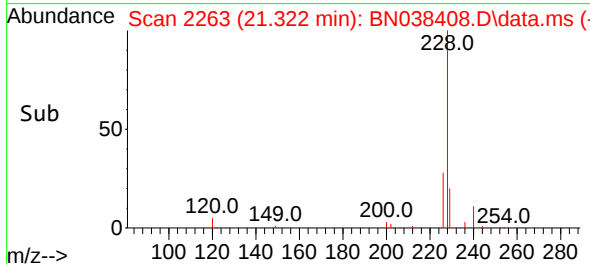
Instrument :
BNA_N
ClientSampleId :
COAN7



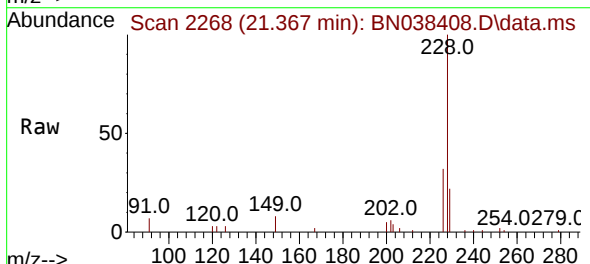
Tgt Ion:228 Resp: 47495
Ion Ratio Lower Upper
228 100
226 29.0 23.3 34.9
229 21.9 15.7 23.5

Manual Integrations
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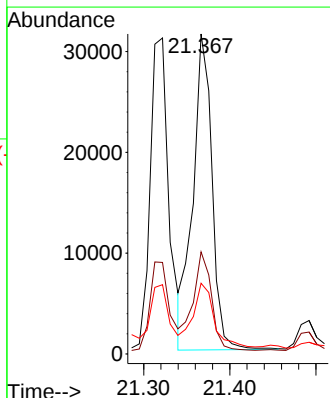
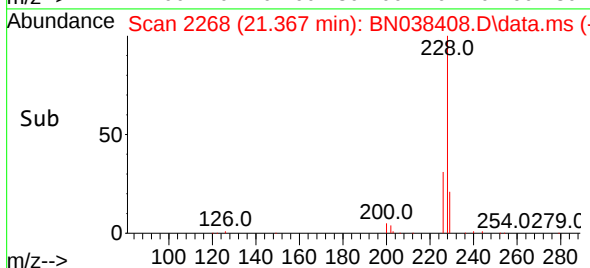
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

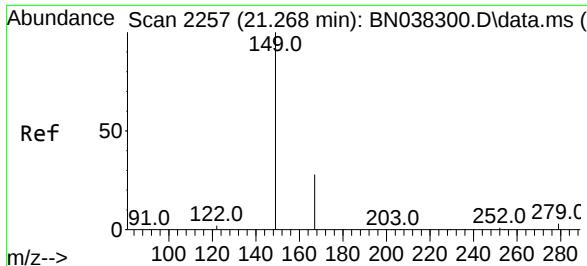


#33
Chrysene
Concen: 0.834 ng
RT: 21.367 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



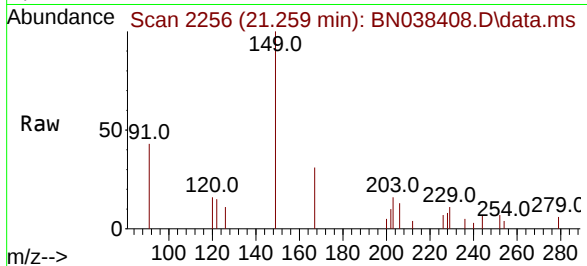
Tgt Ion:228 Resp: 48357
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 22.1 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.136 ng
 RT: 21.259 min Scan# 21256
 Delta R.T. -0.009 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

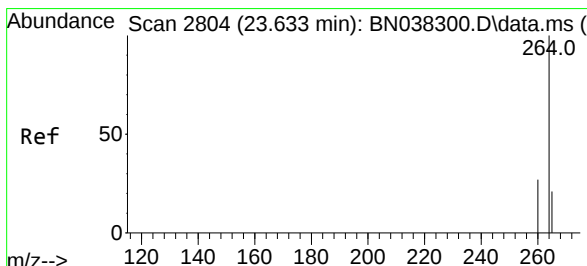
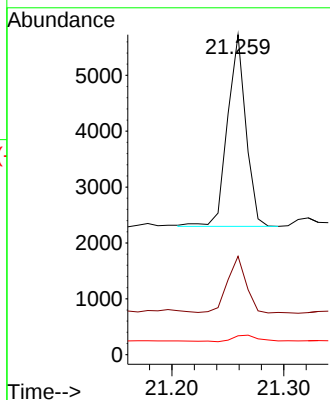
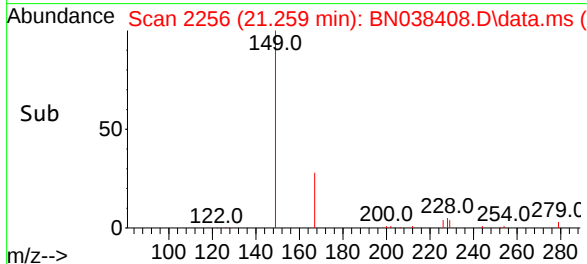
Instrument :
 BNA_N
 ClientSampleId :
 COAN7



Tgt Ion:149 Resp: 3918
 Ion Ratio Lower Upper
 149 100
 167 30.9 21.4 32.0
 279 4.2 2.4 3.6

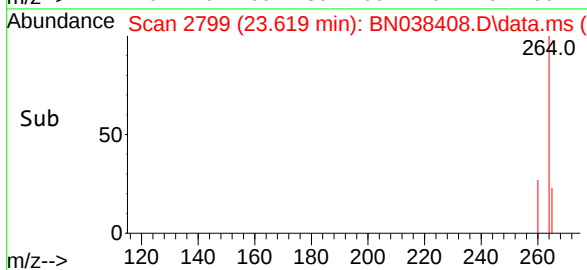
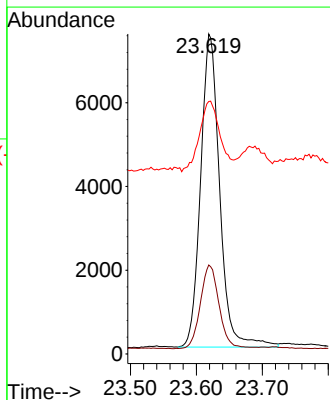
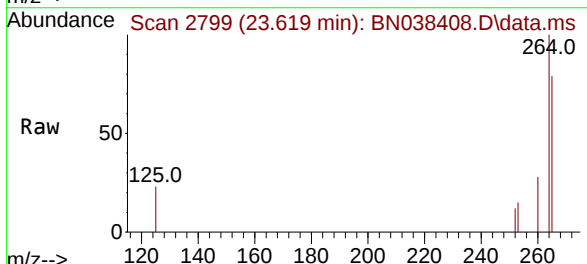
Manual Integrations
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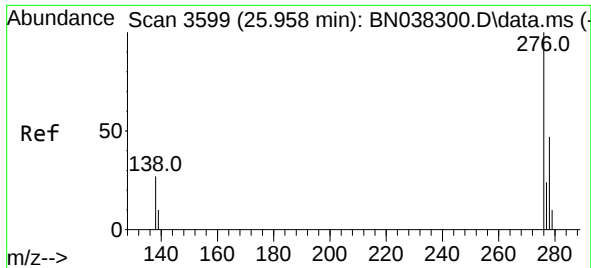
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.619 min Scan# 2799
 Delta R.T. -0.014 min
 Lab File: BN038408.D
 Acq: 15 Dec 2025 17:09

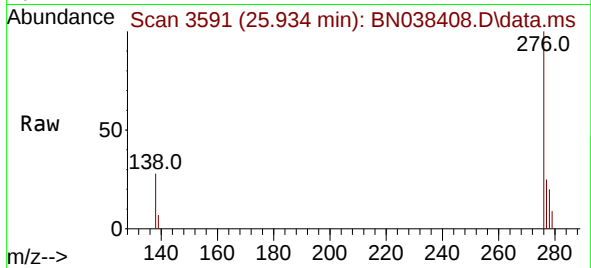
Tgt Ion:264 Resp: 15049
 Ion Ratio Lower Upper
 264 100
 260 27.8 22.2 33.2
 265 78.9 80.2 120.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 25.934 min Scan# 3599
Delta R.T. -0.029 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

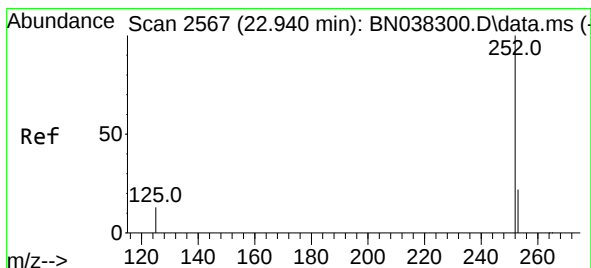
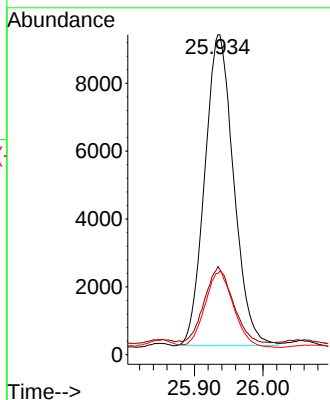
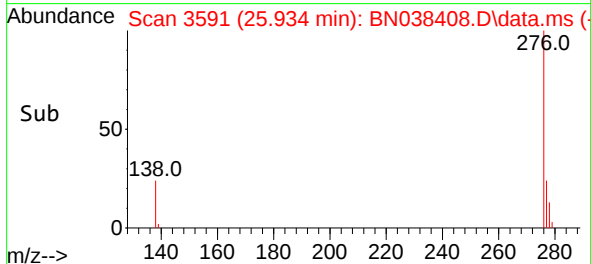
Instrument :
BNA_N
ClientSampleId :
COAN7



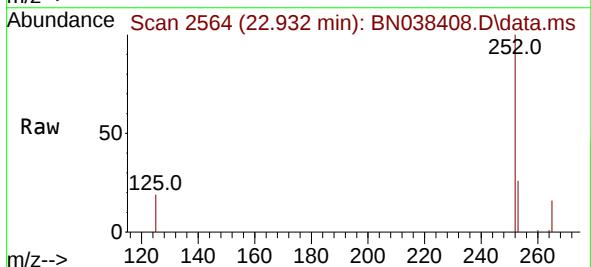
Tgt Ion:276 Resp: 26852
Ion Ratio Lower Upper
276 100
138 23.9 23.6 35.4
277 24.2 19.7 29.5

Manual Integrations
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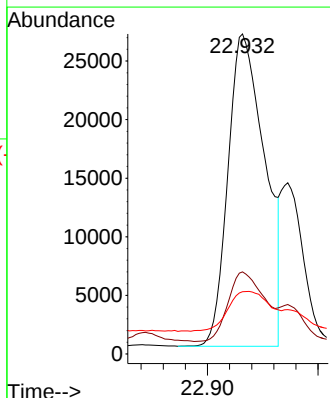
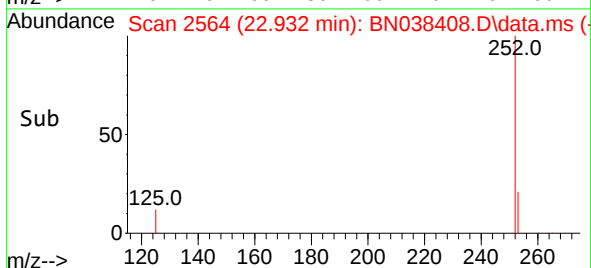
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

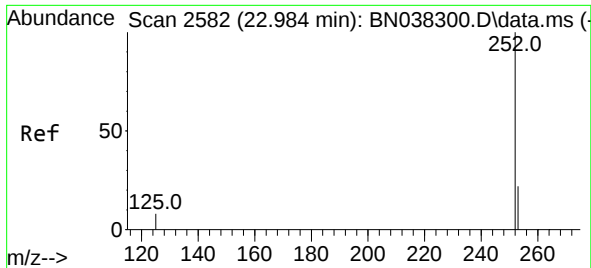


#37
Benzo(b)fluoranthene
Concen: 0.894 ng
RT: 22.932 min Scan# 2564
Delta R.T. -0.014 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



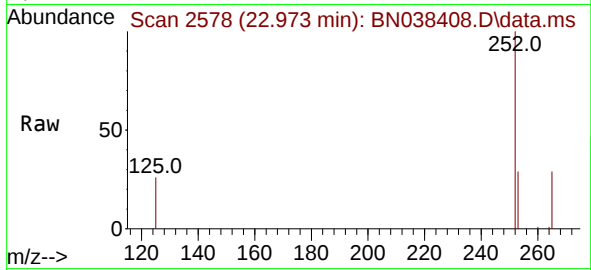
Tgt Ion:252 Resp: 61760
Ion Ratio Lower Upper
252 100
253 25.7 21.1 31.7
125 19.4 16.4 24.6





#38
Benzo(k)fluoranthene
Concen: 0.315 ng m
RT: 22.973 min Scan# 2173
Delta R.T. -0.017 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

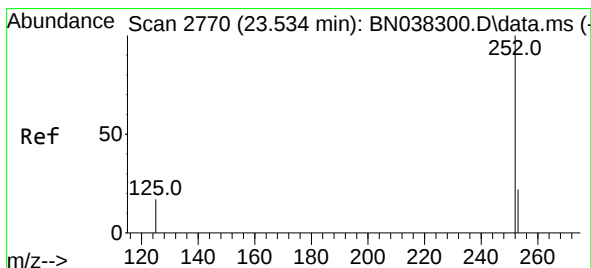
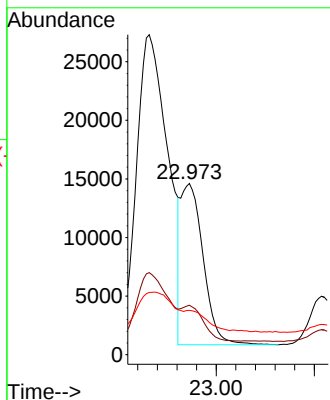
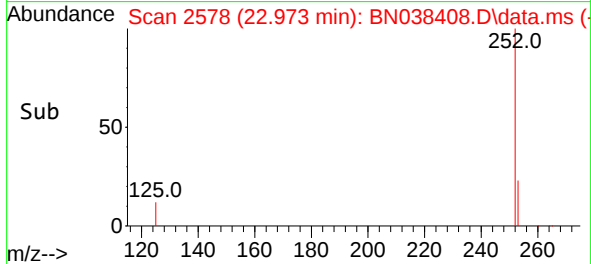
Instrument :
BNA_N
ClientSampleId :
COAN7



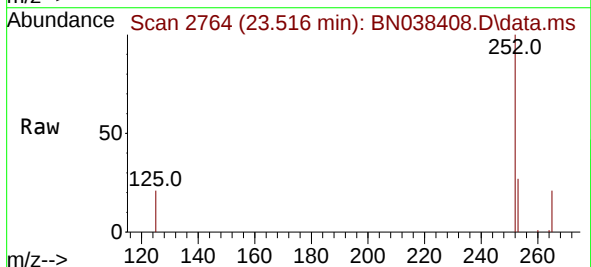
Tgt Ion:252 Resp: 21739
Ion Ratio Lower Upper
252 100
253 28.8 21.4 32.0
125 25.9 16.2 24.2

Manual Integrations
APPROVED

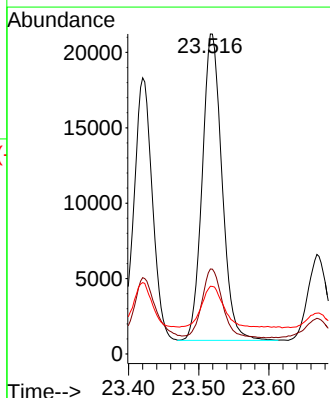
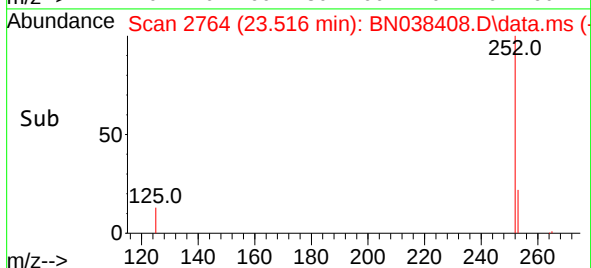
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025

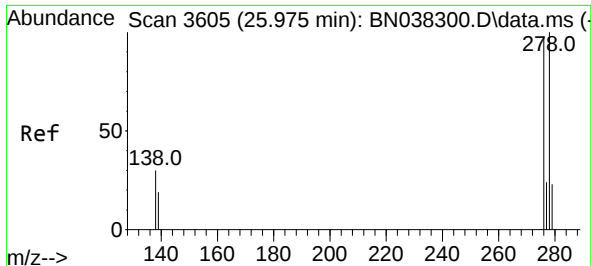


#39
Benzo(a)pyrene
Concen: 0.702 ng m
RT: 23.516 min Scan# 2764
Delta R.T. -0.017 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09



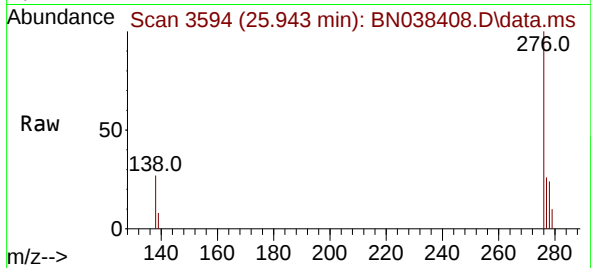
Tgt Ion:252 Resp: 39704
Ion Ratio Lower Upper
252 100
253 26.5 23.3 34.9
125 21.1 22.4 33.6





#40
Dibenzo(a,h)anthracene
Concen: 0.115 ng
RT: 25.943 min Scan# 31
Delta R.T. -0.038 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

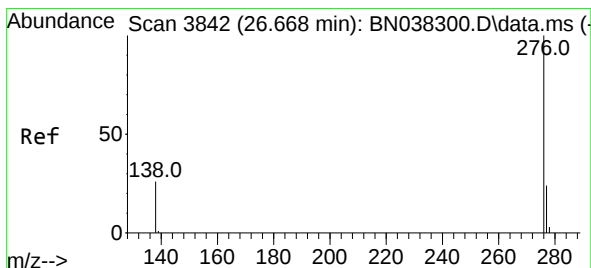
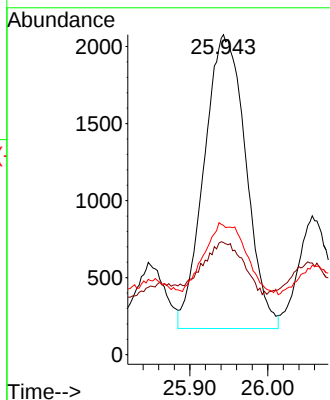
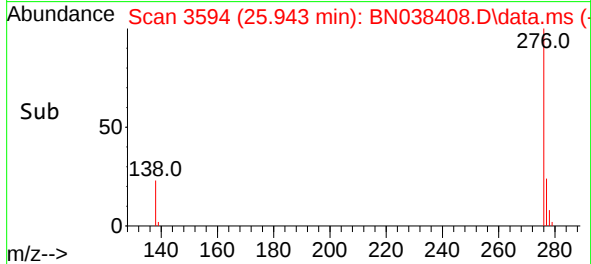
Instrument :
BNA_N
ClientSampleId :
COAN7



Tgt Ion:278 Resp: 706
Ion Ratio Lower Upper
278 100
139 35.1 17.8 26.8
279 40.4 21.3 31.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#41
Benzo(g,h,i)perylene
Concen: 0.437 ng
RT: 26.639 min Scan# 3832
Delta R.T. -0.038 min
Lab File: BN038408.D
Acq: 15 Dec 2025 17:09

Tgt Ion:276 Resp: 30092
Ion Ratio Lower Upper
276 100
277 24.8 20.0 30.0
138 27.4 21.8 32.6

