

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038168.D
 Acq On : 08 Nov 2025 00:07
 Operator : RC/JU
 Sample : Q3534-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 08 03:28:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	7465	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	23044	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	12718	0.400	ng	0.00
19) Phenanthrene-d10	17.185	188	20516	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12475	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	12586	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3252	0.185	ng	0.00
5) Phenol-d6	6.944	99	2594	0.121	ng	0.00
8) Nitrobenzene-d5	8.928	82	5623	0.302	ng	0.00
11) 2-Methylnaphthalene-d10	12.176	152	9042	0.275	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1284	0.245	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	17785	0.349	ng	0.00
27) Fluoranthene-d10	19.224	212	15695	0.303	ng	0.00
31) Terphenyl-d14	19.819	244	15454	0.570	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.626	128	6391	0.101	ng	97
12) 2-Methylnaphthalene	12.247	142	1632	0.039	ng	# 95
18) Fluorene	15.488	166	1417	0.027	ng	96
21) 4-Bromophenyl-phenylether	16.379	248	378	0.028	ng	# 82
22) Hexachlorobenzene	16.503	284	489	0.032	ng	# 90
25) Phenanthrene	17.223	178	2200m	0.034	ng	
26) Anthracene	17.322	178	1391	0.024	ng	98
28) Fluoranthene	19.252	202	1600	0.022	ng	96
30) Pyrene	19.615	202	1451	0.026	ng	97
32) Benzo(a)anthracene	21.357	228	1048	0.024	ng	# 85
33) Chrysene	21.411	228	1315	0.027	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.294	149	3395	0.145	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.042	276	1621	0.031	ng	# 80
37) Benzo(b)fluoranthene	22.987	252	1407	0.026	ng	# 1
38) Benzo(k)fluoranthene	23.034	252	1294	0.024	ng	# 1
40) Dibenzo(a,h)anthracene	26.057	278	1028	0.026	ng	# 1
41) Benzo(g,h,i)perylene	26.758	276	1300	0.029	ng	# 44

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

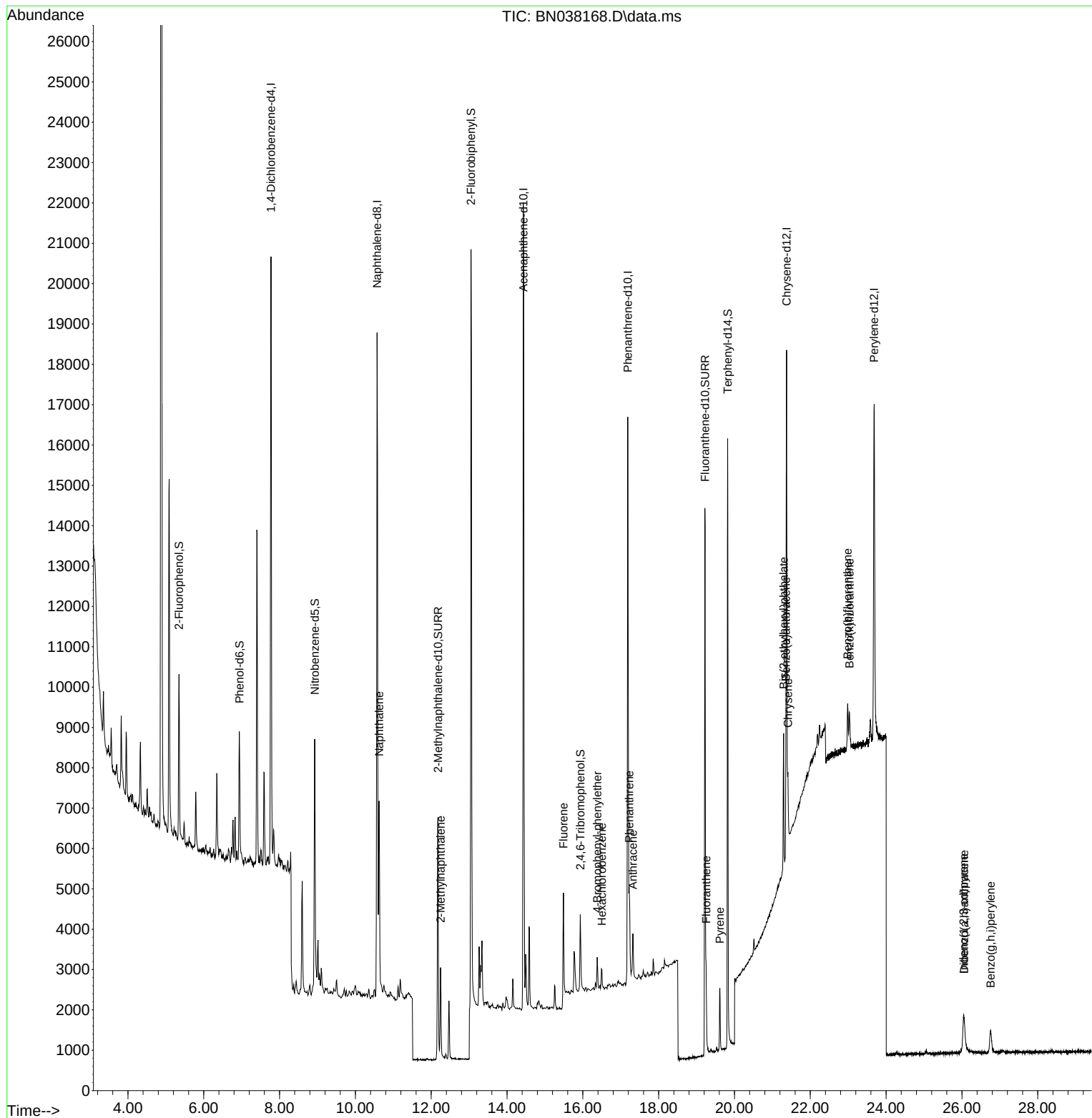
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038168.D
Acq On : 08 Nov 2025 00:07
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

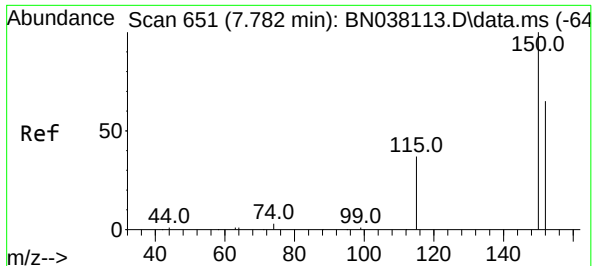
Instrument :
BNA_N
ClientSampleId :
EB-1

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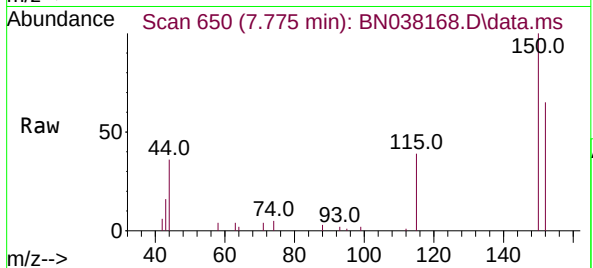
Quant Time: Nov 08 03:28:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 651
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

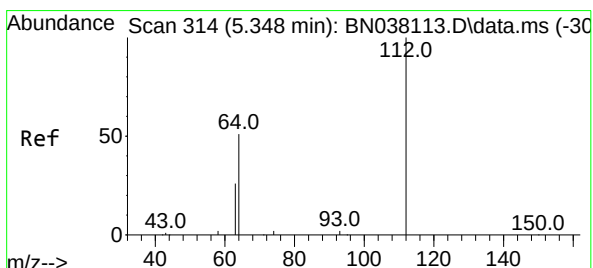
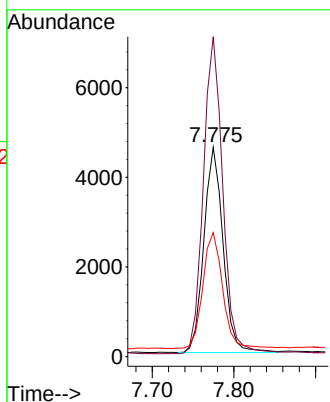
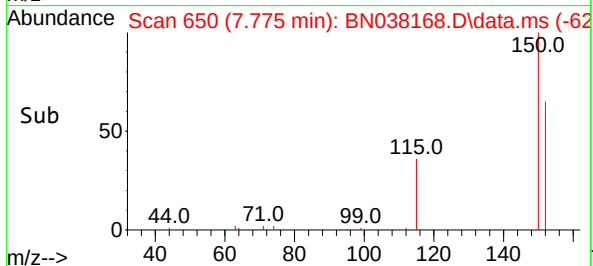
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:152 Resp: 7465
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0

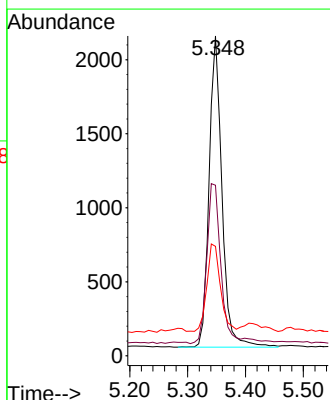
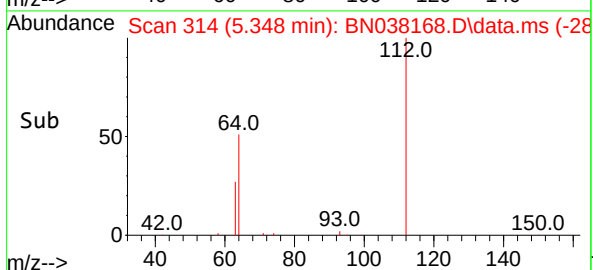
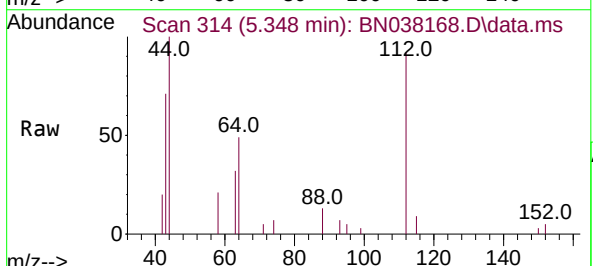
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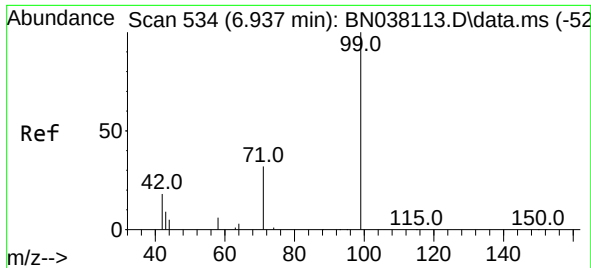
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

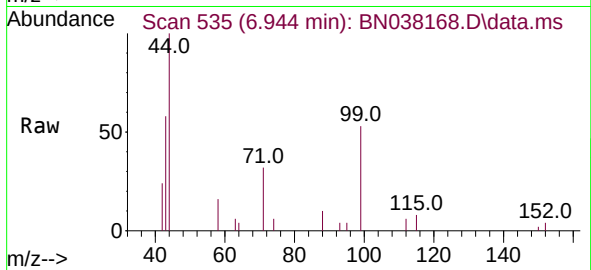
Tgt Ion:112 Resp: 3252
Ion Ratio Lower Upper
112 100
64 59.1 45.4 68.0
63 29.9 23.2 34.8





#5
Phenol-d6
Concen: 0.121 ng
RT: 6.944 min Scan# 534
Delta R.T. 0.007 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

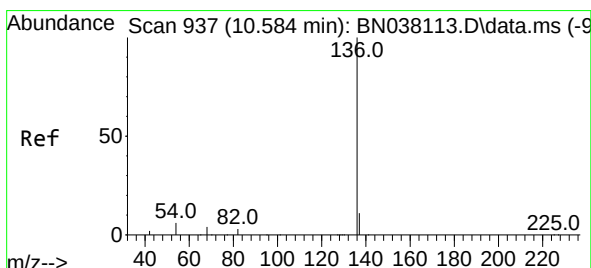
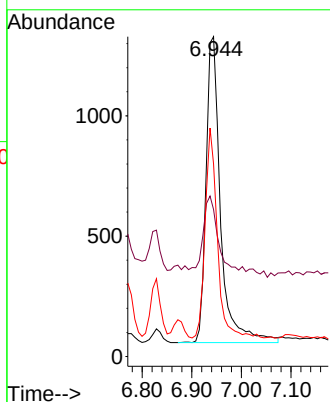
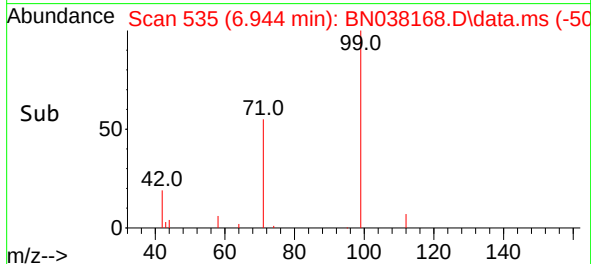
Instrument :
BNA_N
ClientSampleId :
EB-1



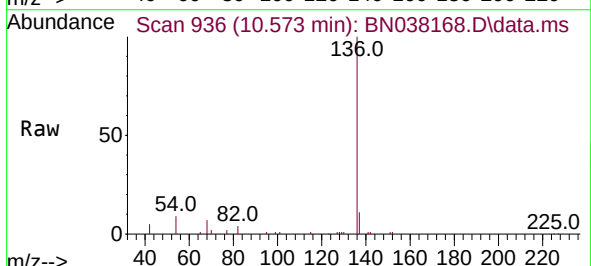
Tgt Ion: 99 Resp: 2594
Ion Ratio Lower Upper
99 100
42 32.8 16.6 24.8#
71 57.4 25.4 38.2#

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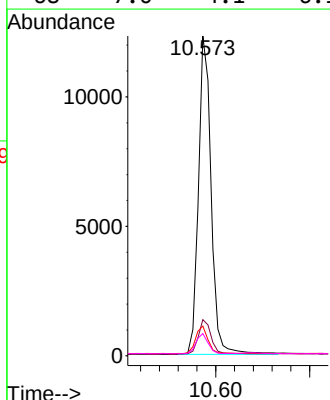
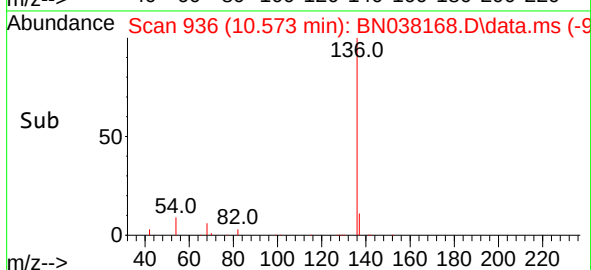
Reviewed By :Rahul Chavli 11/10/2025
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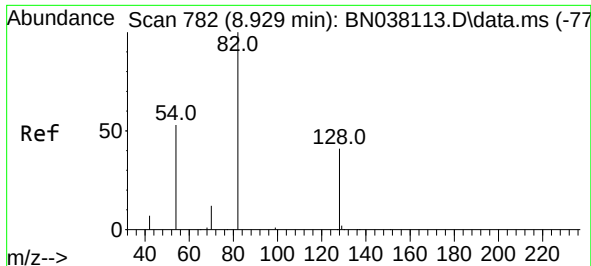


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



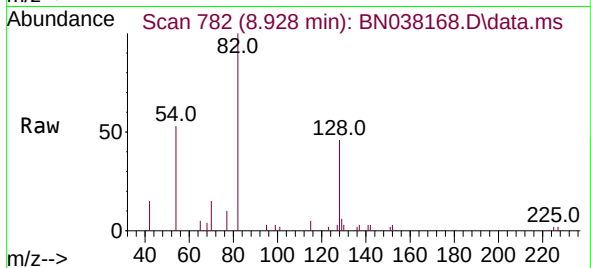
Tgt Ion:136 Resp: 23044
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.3 5.2 7.8#
68 7.0 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

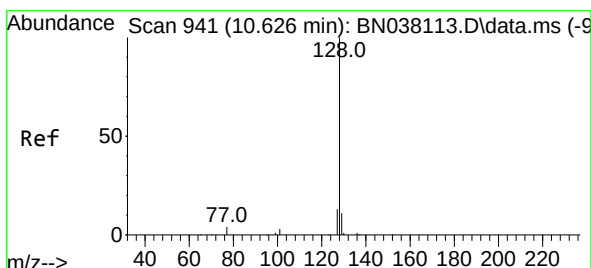
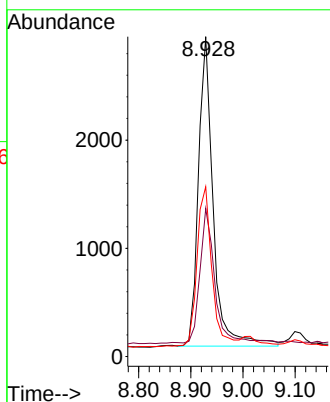
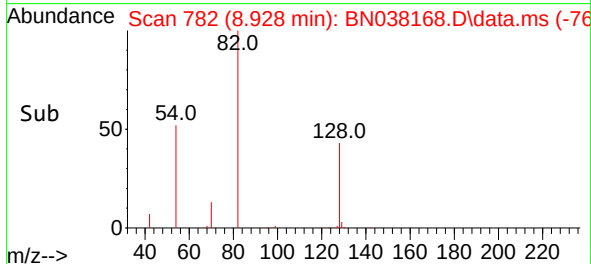
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion: 82 Resp: 5623
Ion Ratio Lower Upper
82 100
128 46.3 34.1 51.1
54 53.1 43.5 65.3

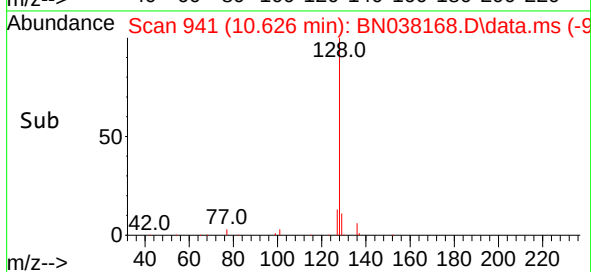
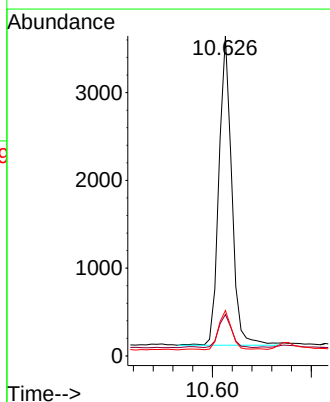
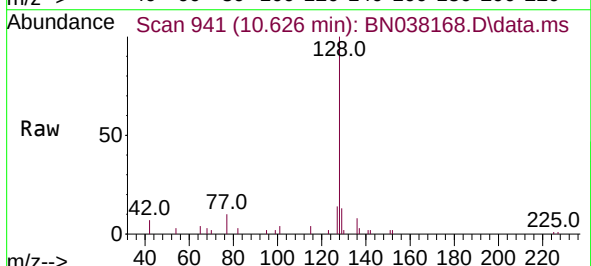
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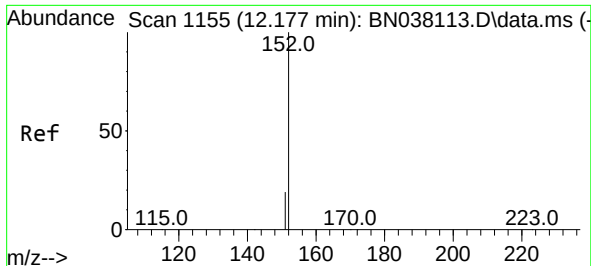
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#9
Naphthalene
Concen: 0.101 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

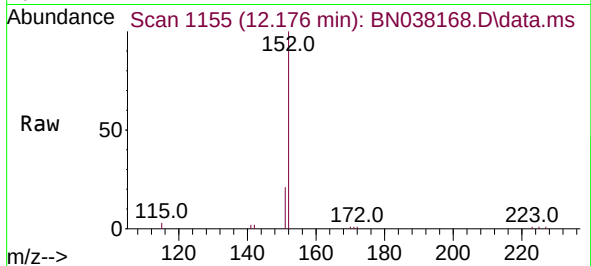
Tgt Ion:128 Resp: 6391
Ion Ratio Lower Upper
128 100
129 12.9 9.1 13.7
127 14.2 10.5 15.7





#11
2-Methylnaphthalene-d10
Concen: 0.275 ng
RT: 12.176 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

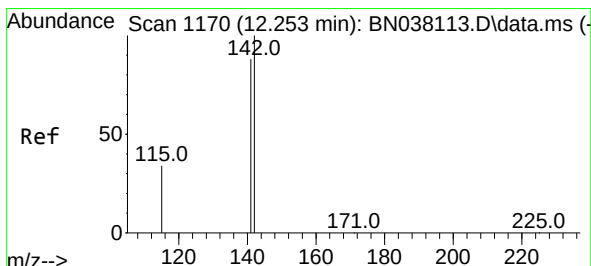
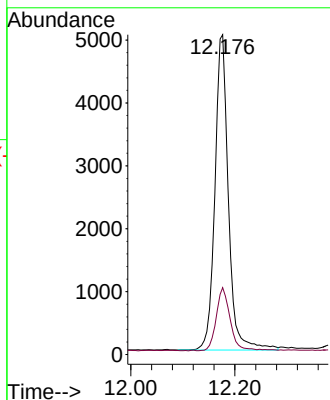
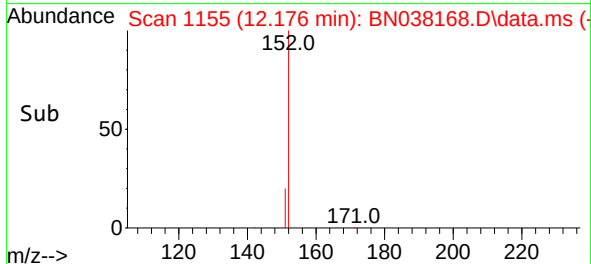
Instrument :
BNA_N
ClientSampleId :
EB-1



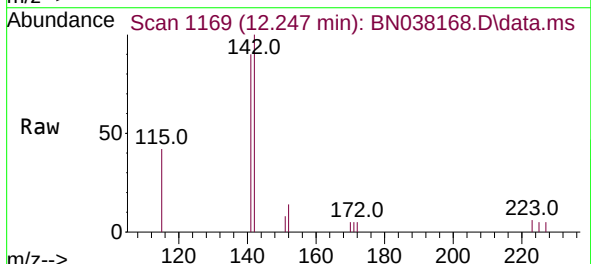
Tgt Ion:152 Resp: 9042
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2

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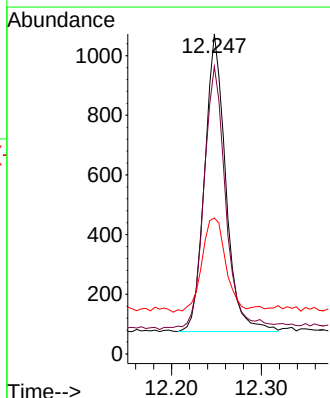
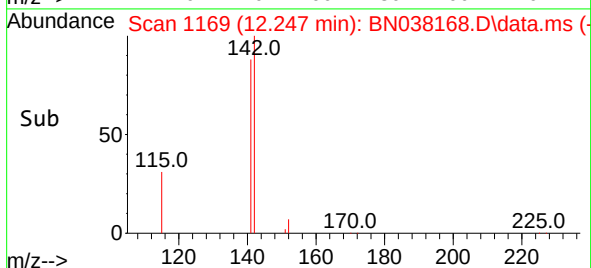
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

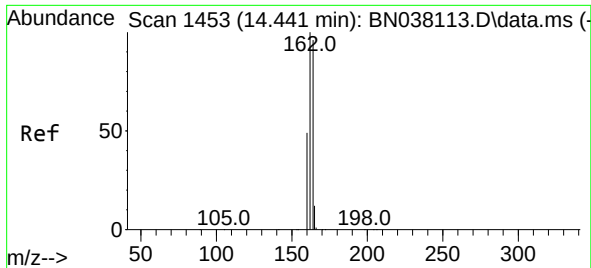


#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.247 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



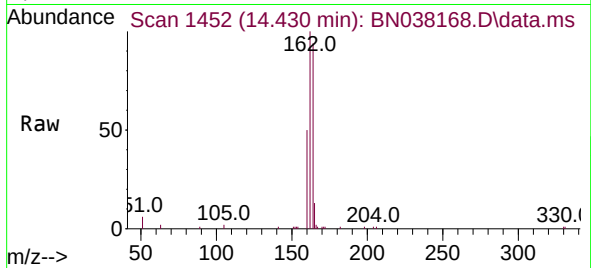
Tgt Ion:142 Resp: 1632
Ion Ratio Lower Upper
142 100
141 89.8 70.3 105.5
115 42.5 27.8 41.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

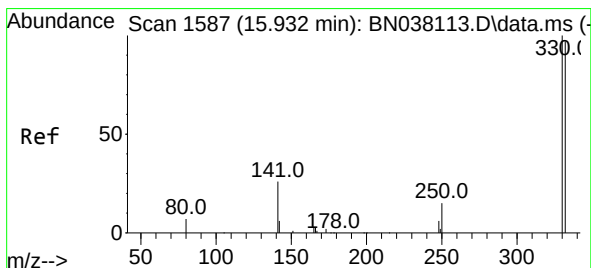
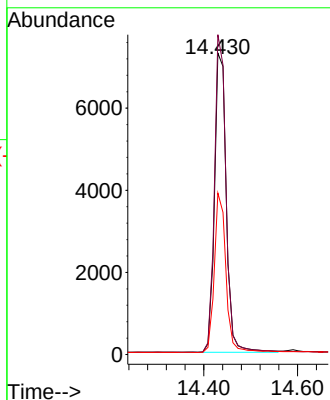
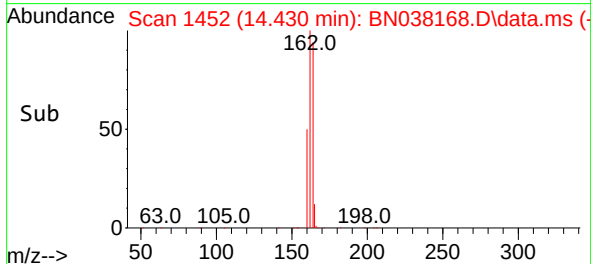
Instrument :
BNA_N
ClientSampleId :
EB-1



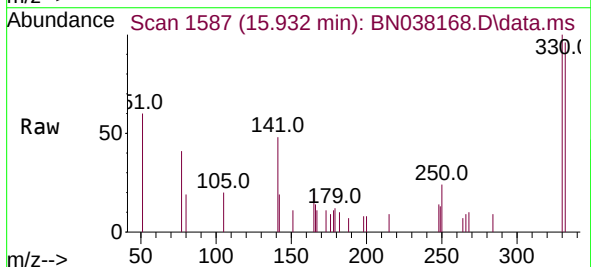
Tgt Ion:164 Resp: 12718
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.4
160 53.5 40.7 61.1

Manual Integrations
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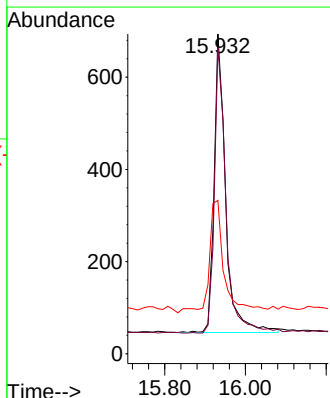
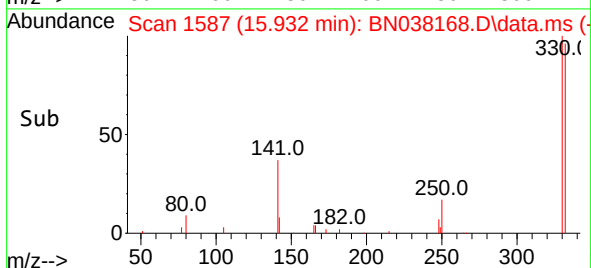
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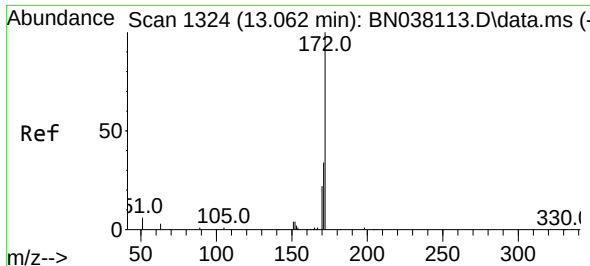


#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



Tgt Ion:330 Resp: 1284
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 43.5 34.1 51.1





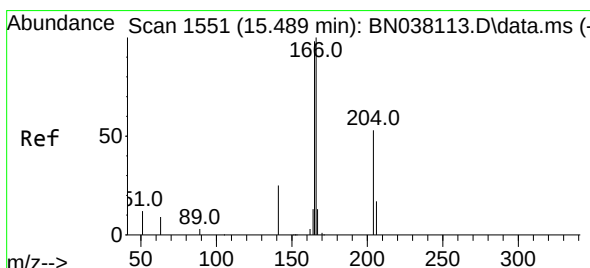
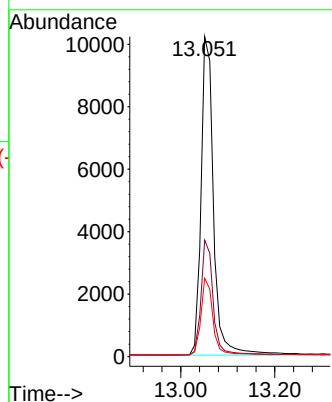
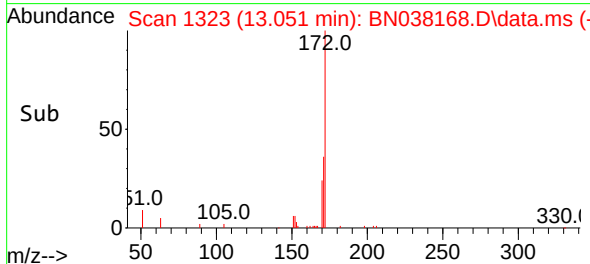
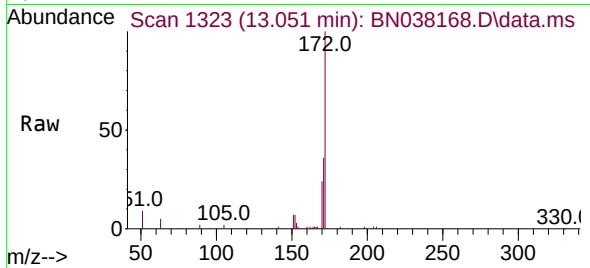
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2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Instrument :
BNA_N
ClientSampleId :
EB-1

Tgt Ion:172 Resp: 17785
Ion Ratio Lower Upper
172 100
171 36.4 27.8 41.6
170 24.5 18.1 27.1

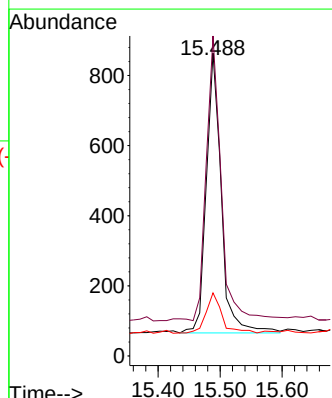
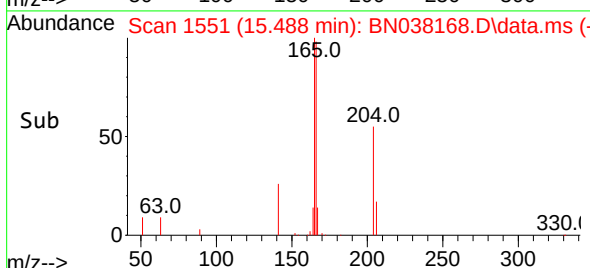
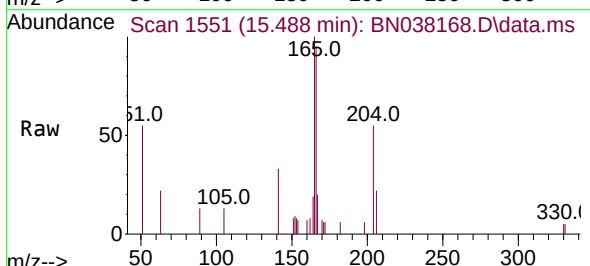
Manual Integrations
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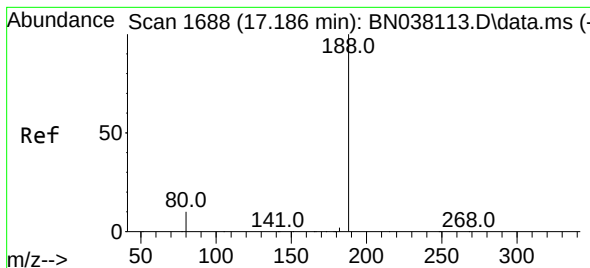
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#18
Fluorene
Concen: 0.027 ng
RT: 15.488 min Scan# 1551
Delta R.T. -0.001 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Tgt Ion:166 Resp: 1417
Ion Ratio Lower Upper
166 100
165 102.9 79.0 118.4
167 14.6 10.7 16.1





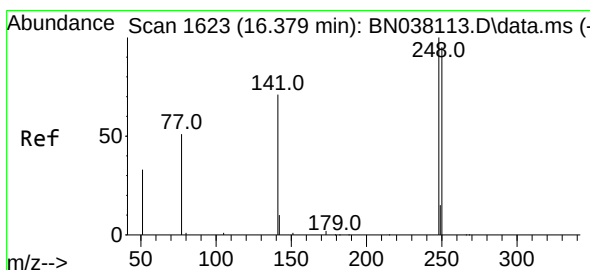
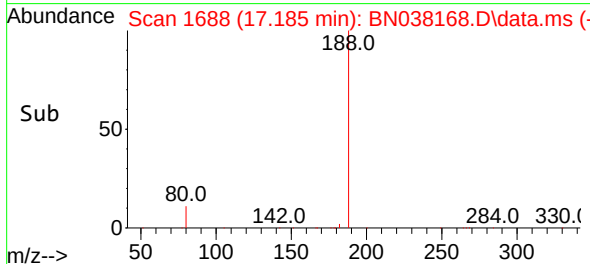
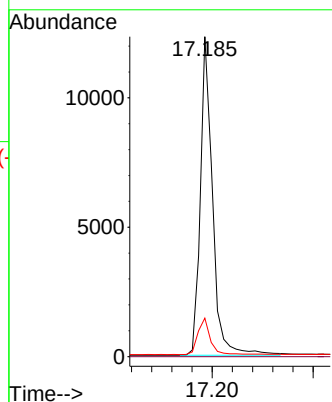
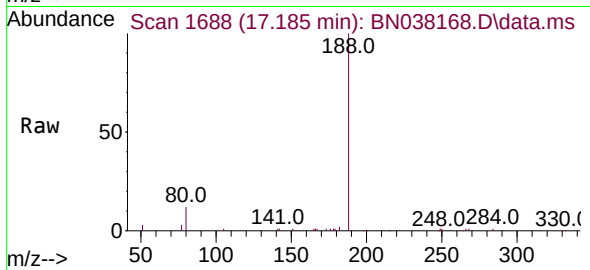
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.185 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Instrument :
BNA_N
ClientSampleId :
EB-1

Tgt Ion:188 Resp: 20516
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 8.6 13.0

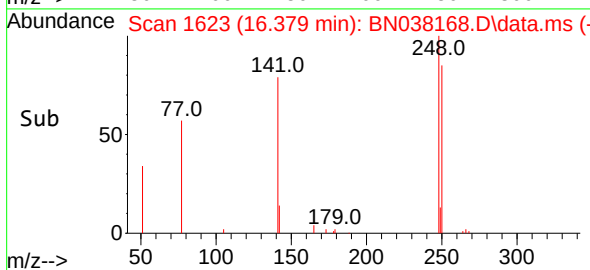
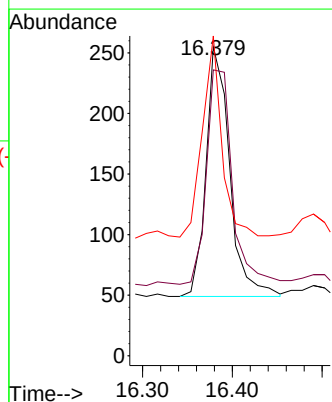
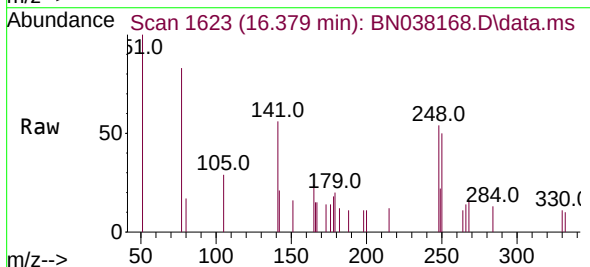
Manual Integrations
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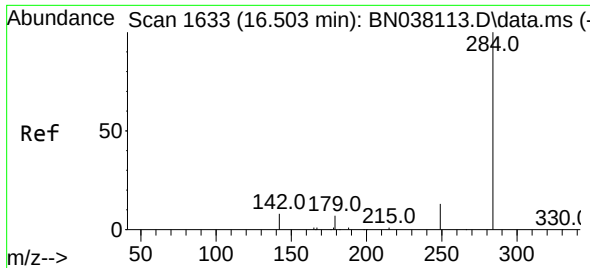
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#21
4-Bromophenyl-phenylether
Concen: 0.028 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

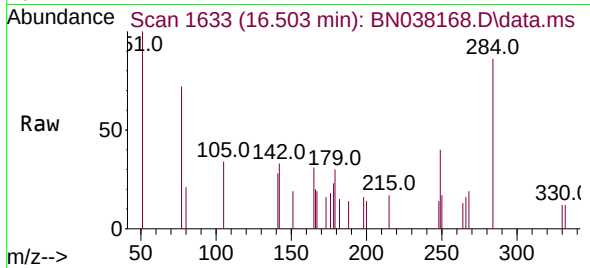
Tgt Ion:248 Resp: 378
Ion Ratio Lower Upper
248 100
250 92.5 76.2 114.2
141 103.5 57.6 86.4





#22
Hexachlorobenzene
Concen: 0.032 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

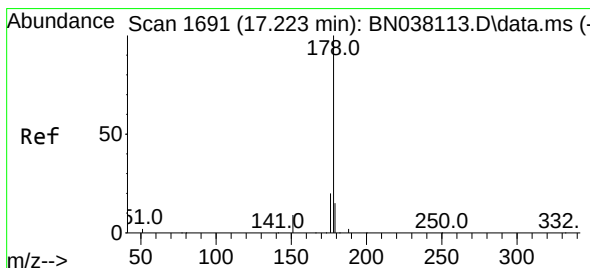
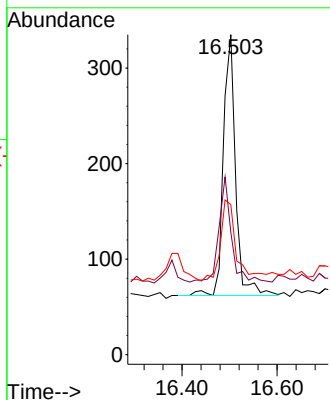
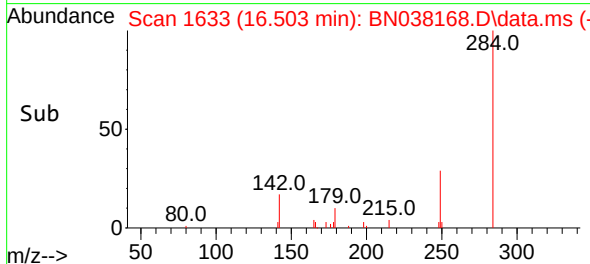
Instrument :
BNA_N
ClientSampleId :
EB-1



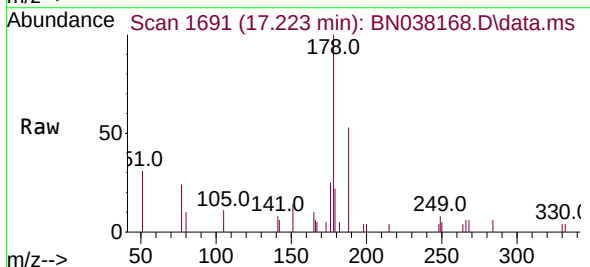
Tgt Ion:284 Resp: 489
Ion Ratio Lower Upper
284 100
142 40.5 30.5 45.7
249 38.9 23.5 35.3

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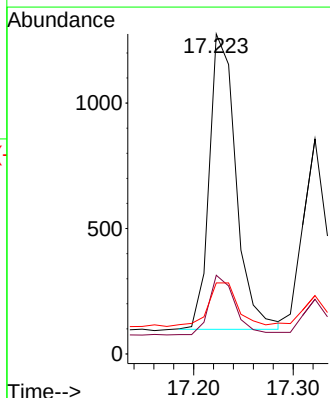
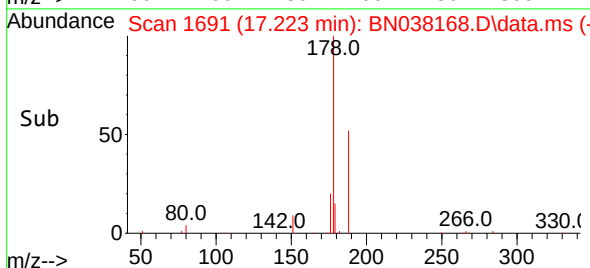
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

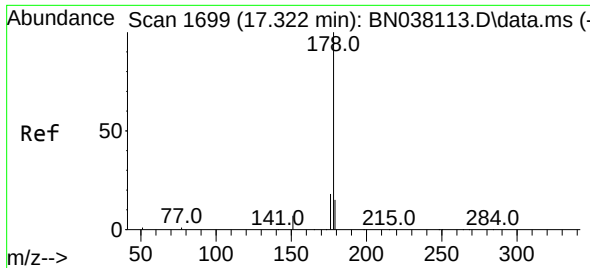


#25
Phenanthrene
Concen: 0.034 ng m
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



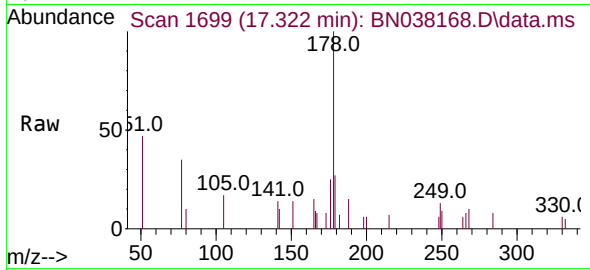
Tgt Ion:178 Resp: 2200
Ion Ratio Lower Upper
178 100
176 9.8 15.5 23.3#
179 9.0 12.2 18.4#





#26
 Anthracene
 Concen: 0.024 ng
 RT: 17.322 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07

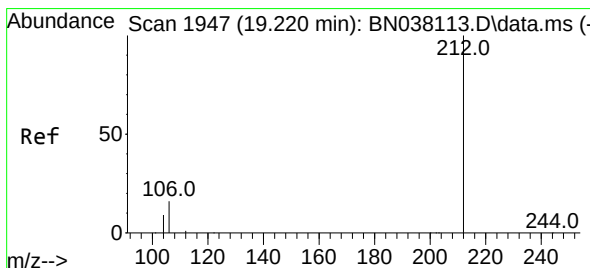
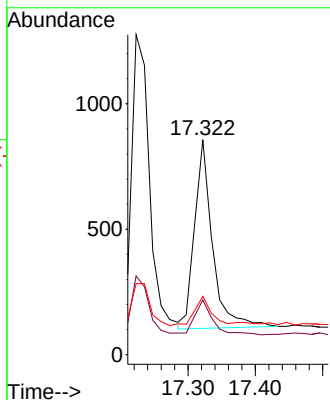
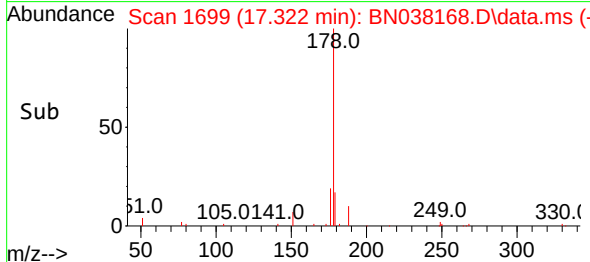
Instrument :
 BNA_N
 ClientSampleId :
 EB-1



Tgt Ion:178 Resp: 1391
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 16.3 11.8 17.8

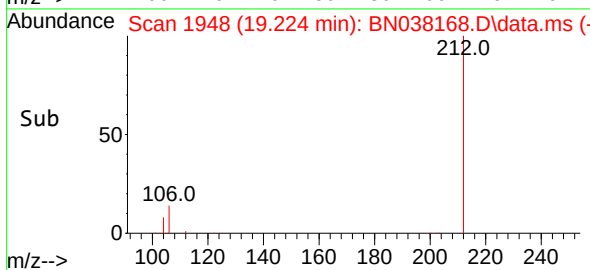
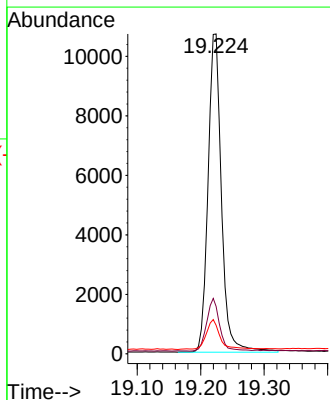
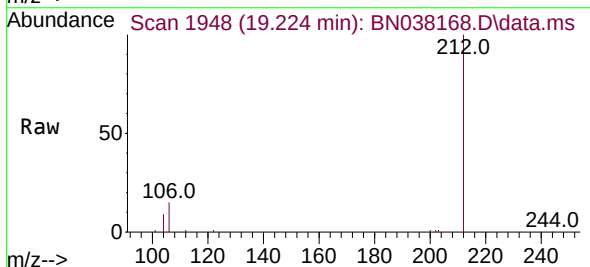
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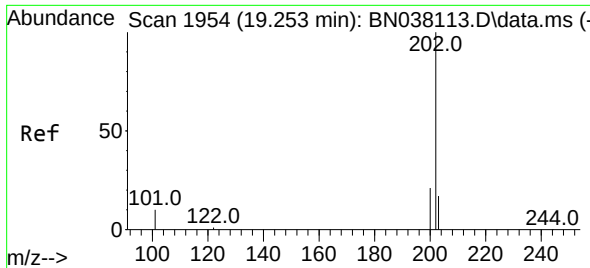
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#27
 Fluoranthene-d10
 Concen: 0.303 ng
 RT: 19.224 min Scan# 1948
 Delta R.T. 0.004 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07

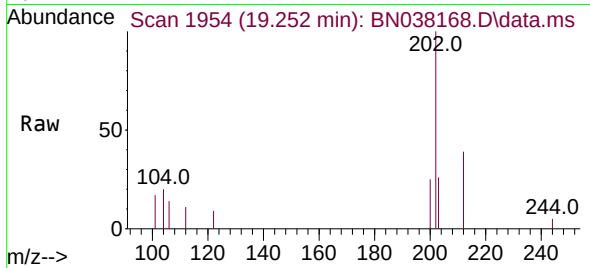
Tgt Ion:212 Resp: 15695
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.6 19.0
 104 9.0 7.1 10.7





#28
Fluoranthene
Concen: 0.022 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

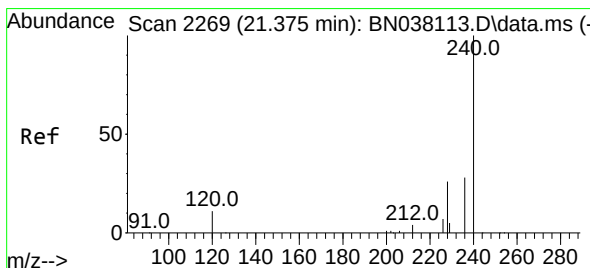
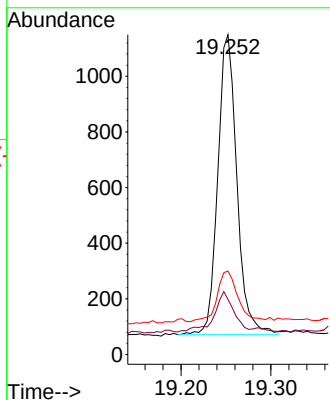
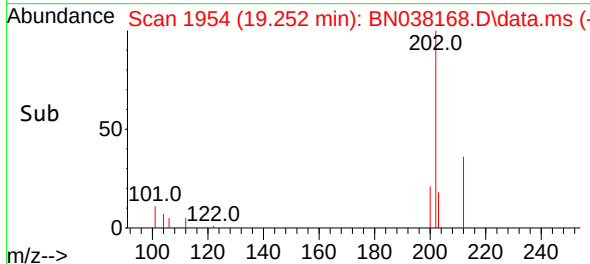
Instrument :
BNA_N
ClientSampleId :
EB-1



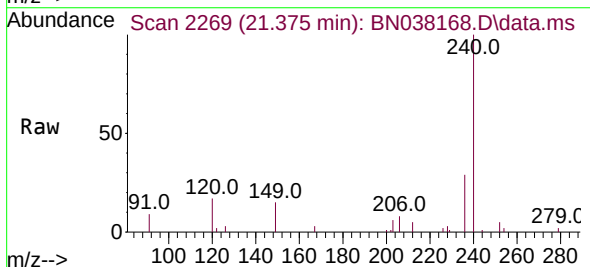
Tgt Ion:202 Resp: 1600
Ion Ratio Lower Upper
202 100
101 13.6 9.4 14.2
203 18.7 13.4 20.2

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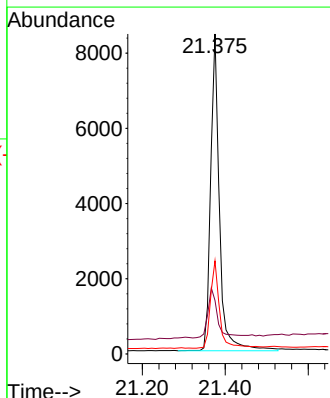
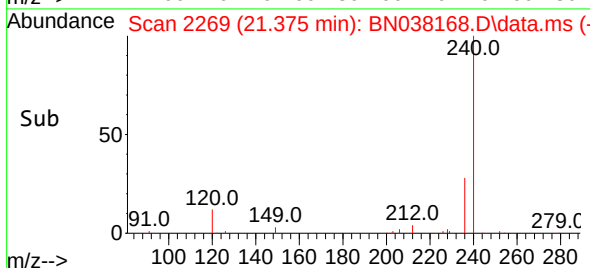
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

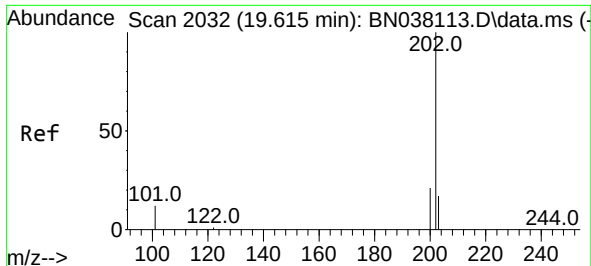


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



Tgt Ion:240 Resp: 12475
Ion Ratio Lower Upper
240 100
120 16.7 10.7 16.1#
236 29.1 23.1 34.7





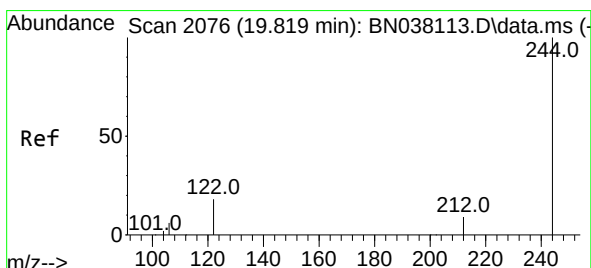
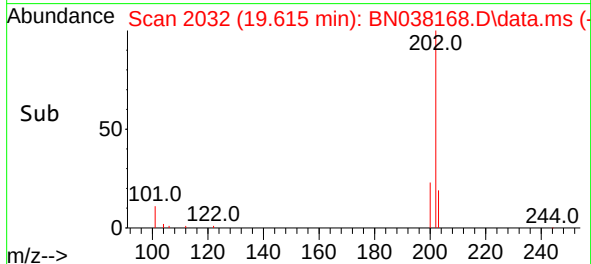
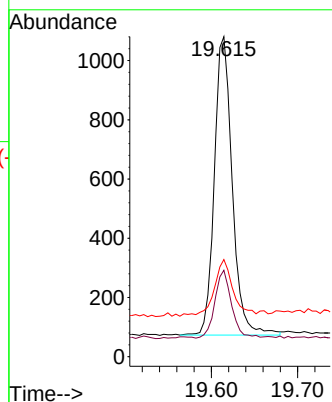
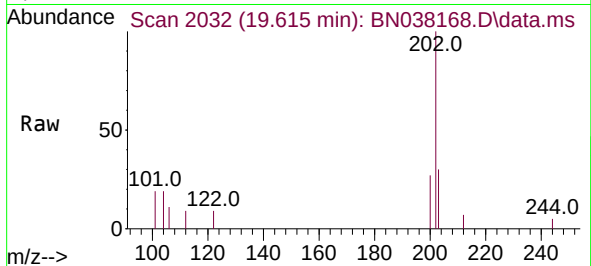
#30
Pyrene
Concen: 0.026 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.004 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Instrument :
BNA_N
ClientSampleId :
EB-1

Tgt Ion:202 Resp: 145
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 20.3 14.2 21.2

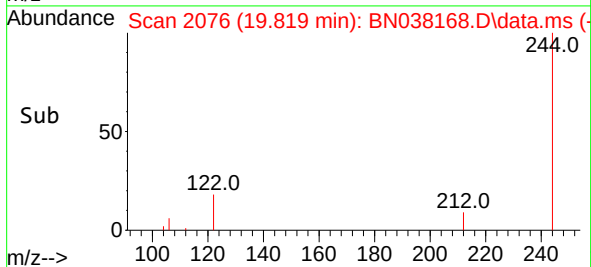
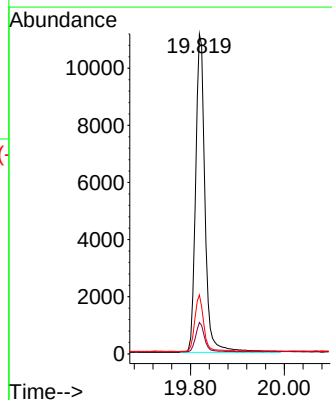
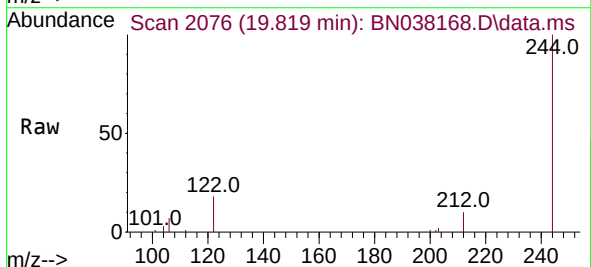
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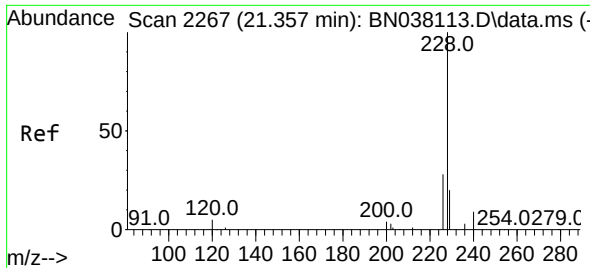
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#31
Terphenyl-d14
Concen: 0.570 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

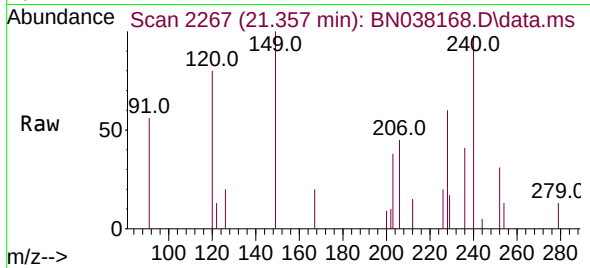
Tgt Ion:244 Resp: 15454
Ion Ratio Lower Upper
244 100
212 9.8 7.8 11.6
122 18.4 15.2 22.8





#32
Benzo(a)anthracene
Concen: 0.024 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

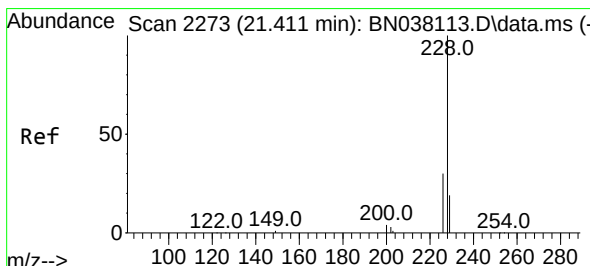
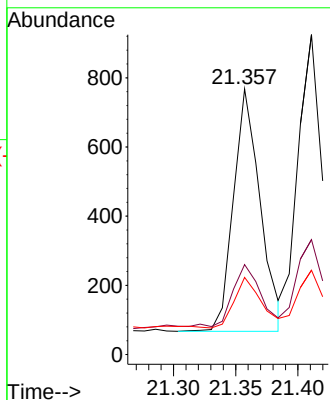
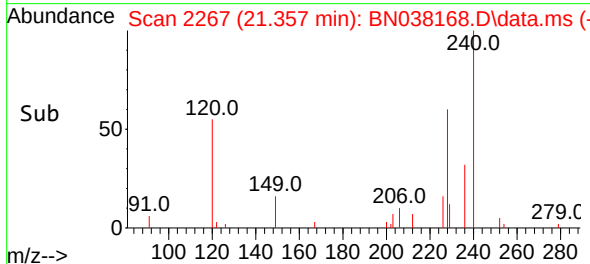
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:228 Resp: 1048
Ion Ratio Lower Upper
228 100
226 33.9 22.2 33.4
229 29.0 15.8 23.8

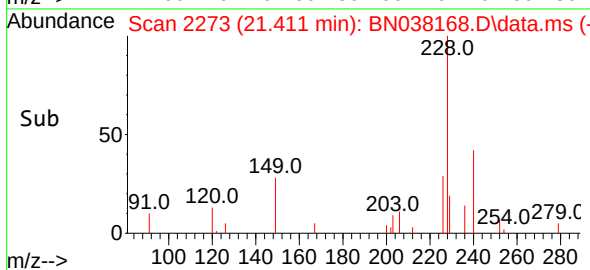
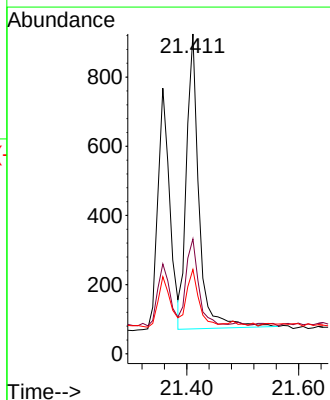
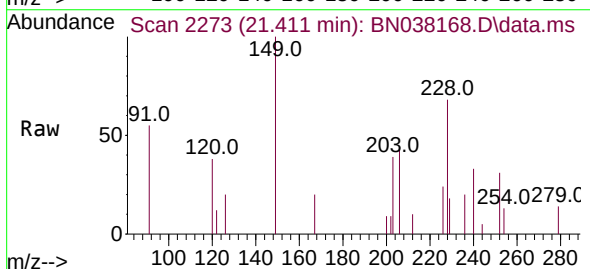
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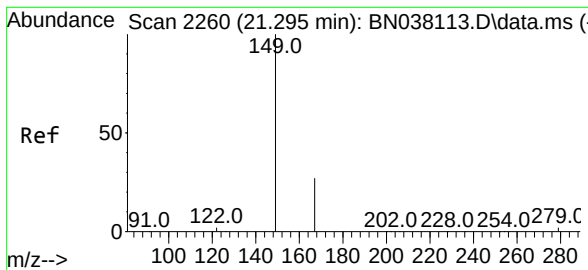
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#33
Chrysene
Concen: 0.027 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

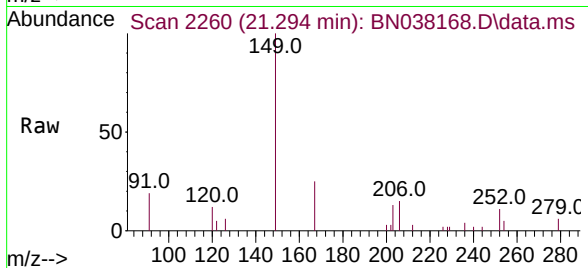
Tgt Ion:228 Resp: 1315
Ion Ratio Lower Upper
228 100
226 35.9 24.3 36.5
229 26.4 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.145 ng
RT: 21.294 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

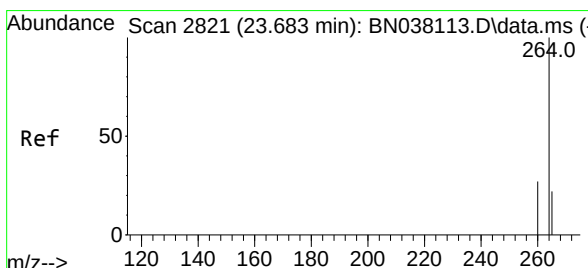
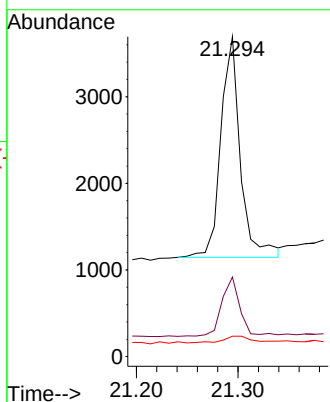
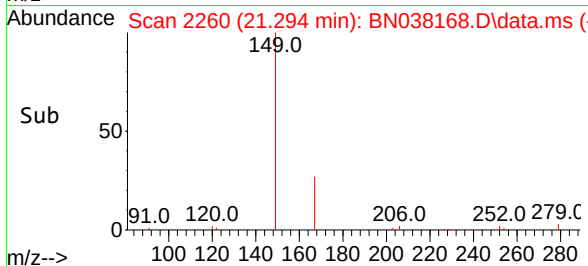
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:149 Resp: 3395
Ion Ratio Lower Upper
149 100
167 24.6 21.1 31.7
279 4.5 2.9 4.3

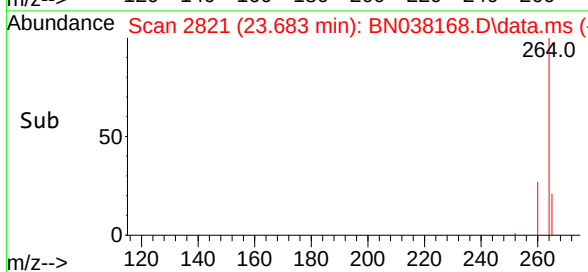
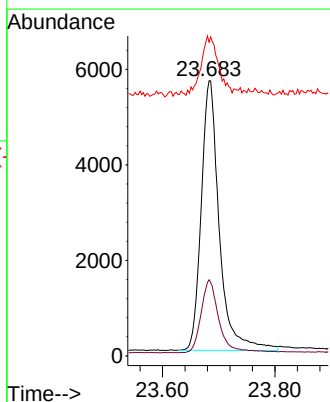
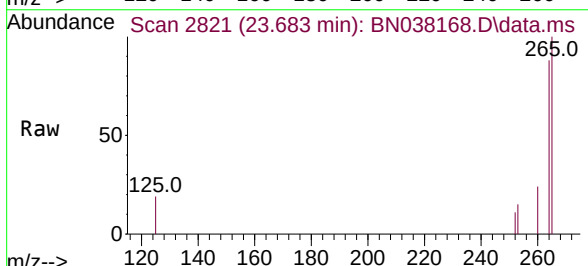
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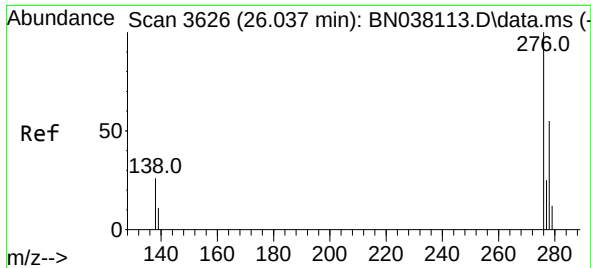
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

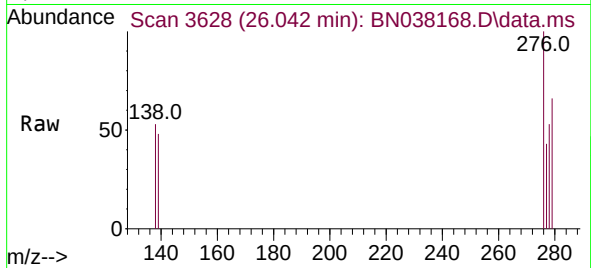
Tgt Ion:264 Resp: 12586
Ion Ratio Lower Upper
264 100
260 27.7 21.8 32.8
265 114.0 68.6 102.8





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.031 ng
 RT: 26.042 min Scan# 3626
 Delta R.T. 0.008 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07

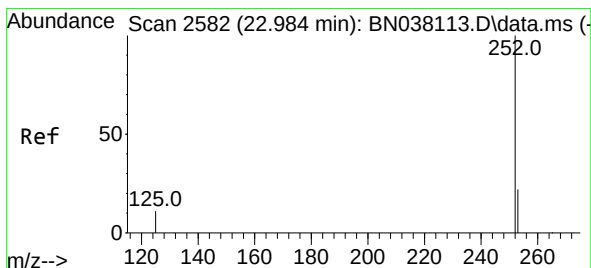
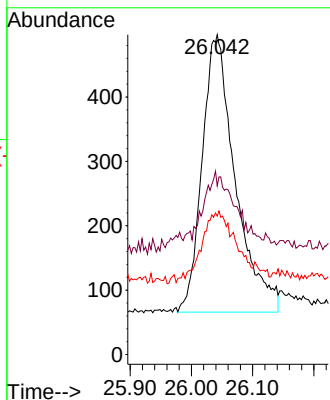
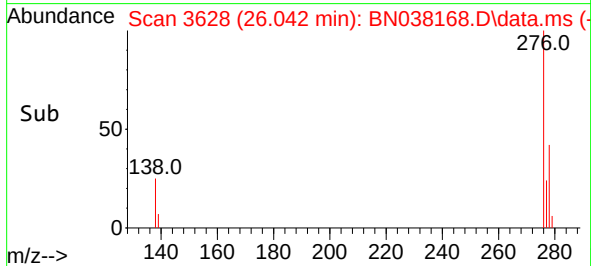
Instrument :
 BNA_N
 ClientSampleId :
 EB-1



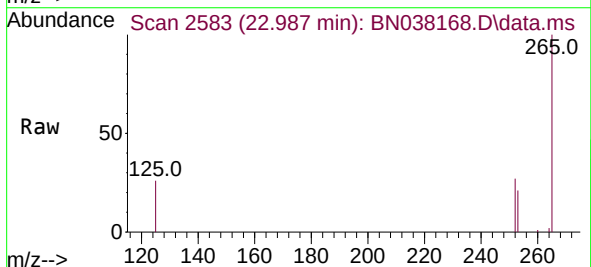
Tgt Ion:276 Resp: 1621
 Ion Ratio Lower Upper
 276 100
 138 9.3 21.4 32.0#
 277 26.1 19.2 28.8

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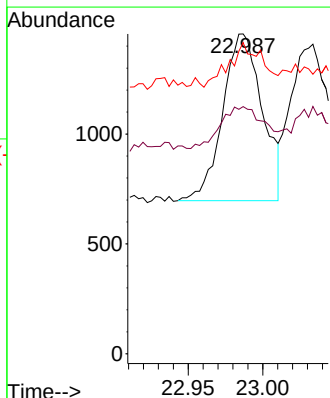
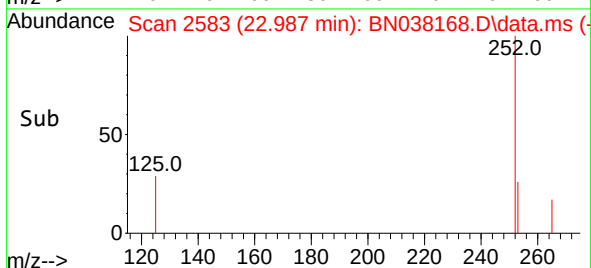
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

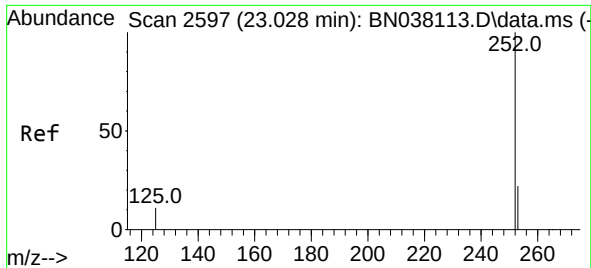


#37
 Benzo(b)fluoranthene
 Concen: 0.026 ng
 RT: 22.987 min Scan# 2583
 Delta R.T. 0.006 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07



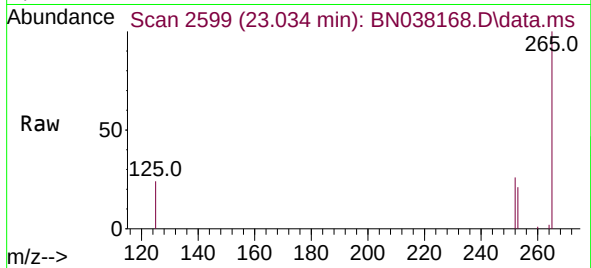
Tgt Ion:252 Resp: 1407
 Ion Ratio Lower Upper
 252 100
 253 77.3 20.9 31.3#
 125 97.3 14.1 21.1#





#38
Benzo(k)fluoranthene
Concen: 0.024 ng
RT: 23.034 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

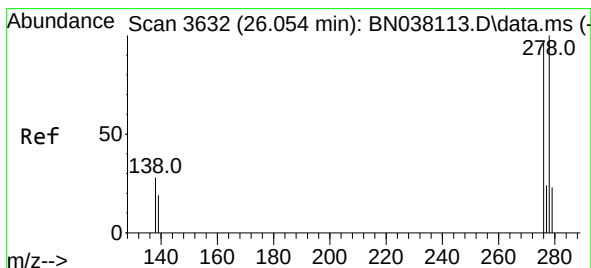
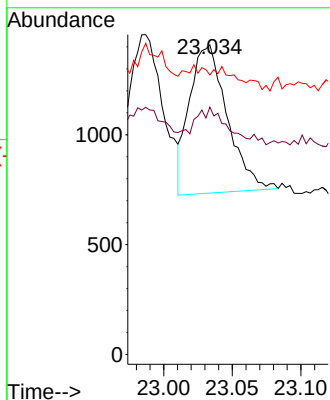
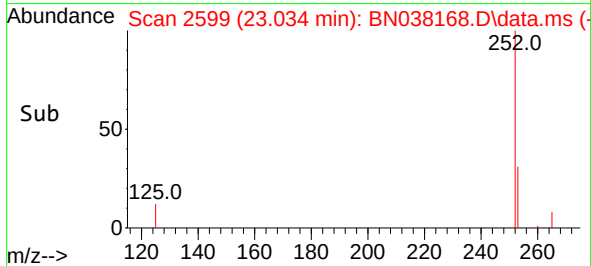
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:252 Resp: 1294
Ion Ratio Lower Upper
252 100
253 79.9 21.2 31.8#
125 90.3 14.6 22.0#

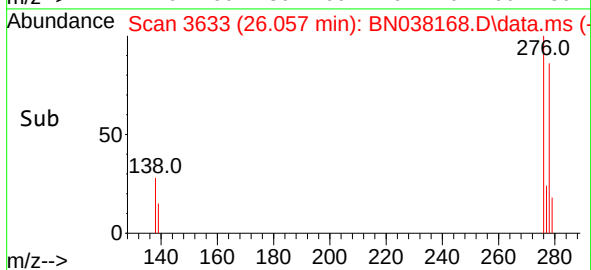
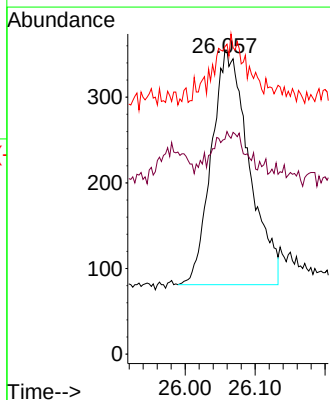
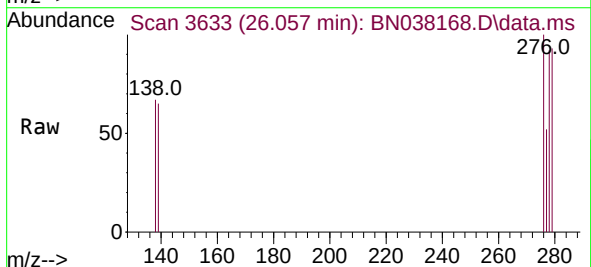
Manual Integrations
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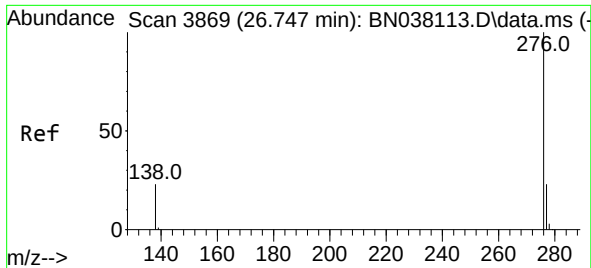
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 26.057 min Scan# 3633
Delta R.T. 0.008 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Tgt Ion:278 Resp: 1028
Ion Ratio Lower Upper
278 100
139 70.7 17.6 26.4#
279 101.1 22.6 33.8#





#41

Benzo(g,h,i)perylene

Concen: 0.029 ng

RT: 26.758 min Scan# 38

Delta R.T. 0.008 min

Lab File: BN038168.D

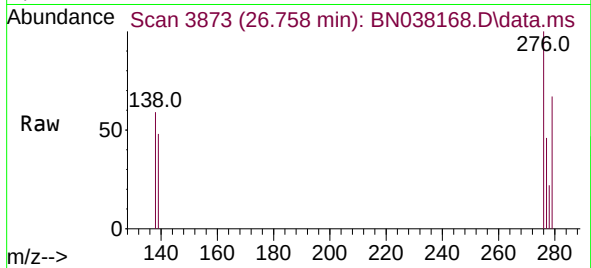
Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1



Tgt Ion:276 Resp: 1300

Ion Ratio Lower Upper

276 100

277 46.4 19.7 29.5

138 59.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

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