

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062625\
 Data File : BN037386.D
 Acq On : 26 Jun 2025 10:41
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Jun 26 16:03:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 26 16:02:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							06/27/2025
1) 1,4-Dichlorobenzene-d4	7.560	152	2183	0.400	ng	0.00	Supervised By :Jagrut Padhyay
7) Naphthalene-d8	10.340	136	4628	0.400	ng	0.00	
13) Acenaphthene-d10	14.213	164	2945	0.400	ng	0.00	
19) Phenanthrene-d10	16.971	188	5811	0.400	ng	0.01	
29) Chrysene-d12	21.171	240	5498	0.400	ng	0.00	
35) Perylene-d12	23.348	264	5798	0.400	ng	0.00	06/27/2025
System Monitoring Compounds							
4) 2-Fluorophenol	5.163	112	421	0.100	ng	0.00	
5) Phenol-d6	6.744	99	362	0.083	ng	0.00	
8) Nitrobenzene-d5	8.728	82	312m	0.085	ng	0.01	
11) 2-Methylnaphthalene-d10	11.955	152	615	0.086	ng	0.02	
14) 2,4,6-Tribromophenol	15.730	330	143	0.083	ng	0.01	
15) 2-Fluorobiphenyl	12.843	172	1140	0.090	ng	0.01	
27) Fluoranthene-d10	19.008	212	1559	0.094	ng	0.00	
31) Terphenyl-d14	19.625	244	1099	0.094	ng	0.00	
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.004	93	313	0.081	ng	#	85
9) Naphthalene	10.394	128	1206	0.101	ng	#	86
10) Hexachlorobutadiene	10.682	225	471	0.100	ng	#	98
12) 2-Methylnaphthalene	12.026	142	735	0.090	ng		96
16) Acenaphthylene	13.935	152	1167	0.096	ng		97
17) Acenaphthene	14.277	154	758	0.095	ng		98
18) Fluorene	15.272	166	1063	0.094	ng		100
21) 4-Bromophenyl-phenylether	16.177	248	383	0.093	ng	#	93
22) Hexachlorobenzene	16.276	284	450	0.102	ng		98
23) Atrazine	16.462	200	291	0.090	ng	#	73
25) Phenanthrene	17.009	178	1534	0.094	ng		97
26) Anthracene	17.108	178	1358	0.090	ng		100
28) Fluoranthene	19.040	202	2001	0.096	ng		99
30) Pyrene	19.402	202	2006	0.096	ng		99
32) Benzo(a)anthracene	21.153	228	1579	0.091	ng		92
33) Chrysene	21.198	228	2241	0.105	ng		94
36) Indeno(1,2,3-cd)pyrene	25.535	276	2156	0.088	ng	#	90
37) Benzo(b)fluoranthene	22.699	252	1927	0.094	ng	#	66
38) Benzo(k)fluoranthene	22.740	252	2041	0.093	ng	#	61
39) Benzo(a)pyrene	23.254	252	1755	0.097	ng	#	52
40) Dibenzo(a,h)anthracene	25.567	278	1522	0.081	ng	#	41
41) Benzo(g,h,i)perylene	26.193	276	2066	0.092	ng	#	87

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

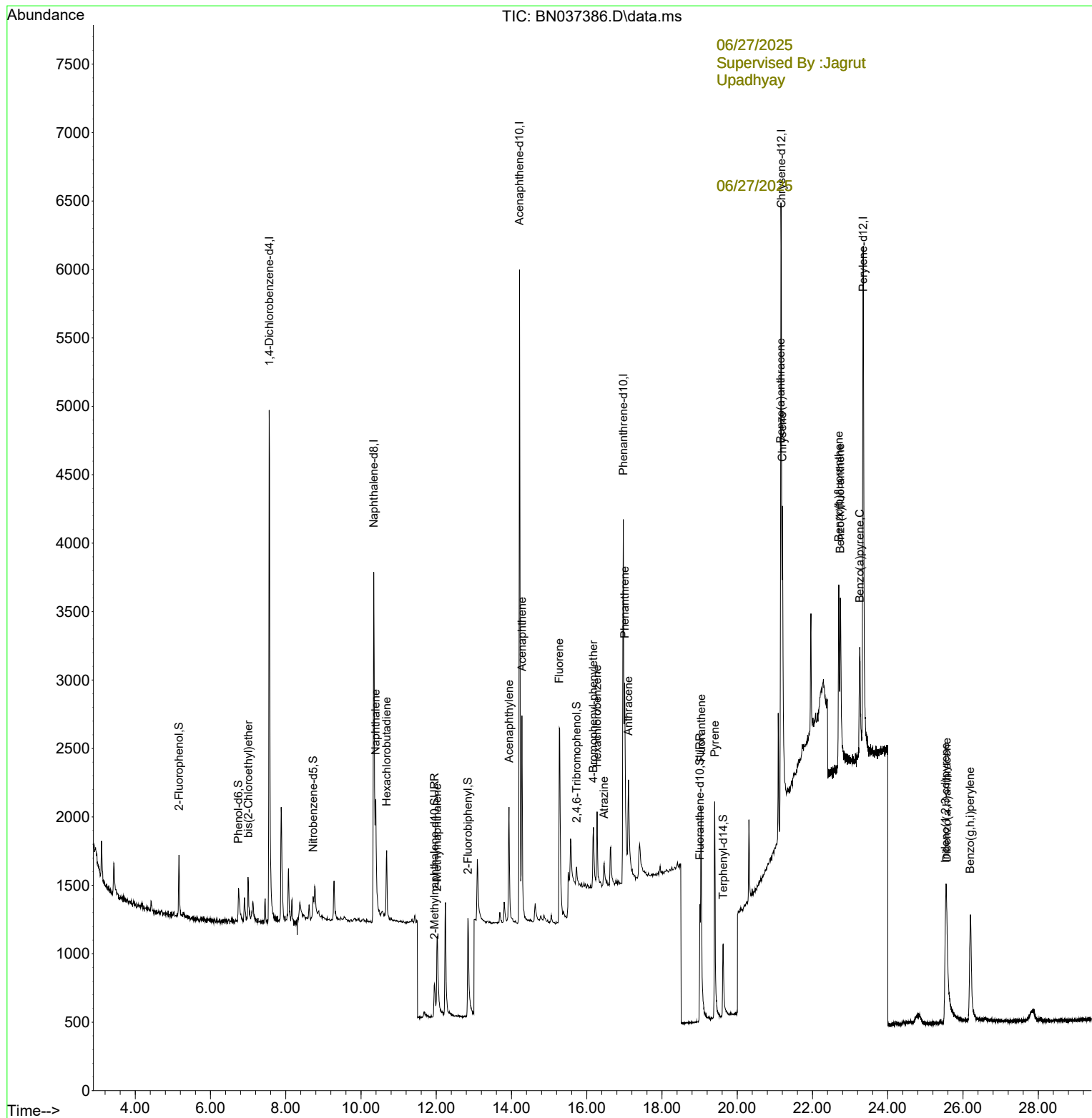
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062625\
Data File : BN037386.D
Acq On : 26 Jun 2025 10:41
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Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

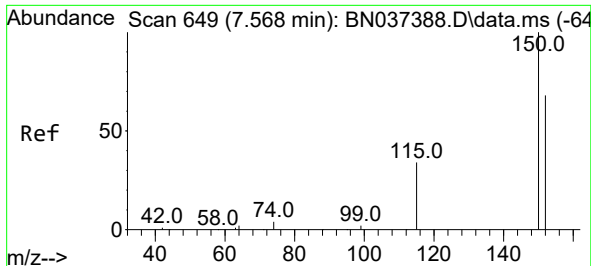
Instrument :
BNA_N
ClientSampleId :

Manual Integrations
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Quant Time: Jun 26 16:03:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
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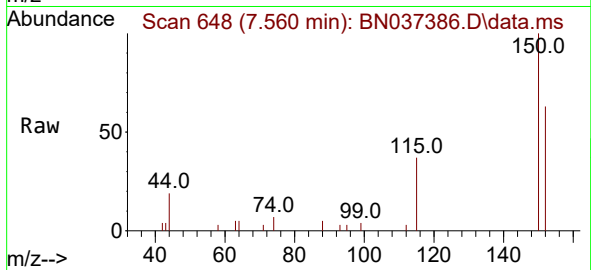


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.560 min Scan# 649
Delta R.T. -0.008 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

Instrument :

BNA_N

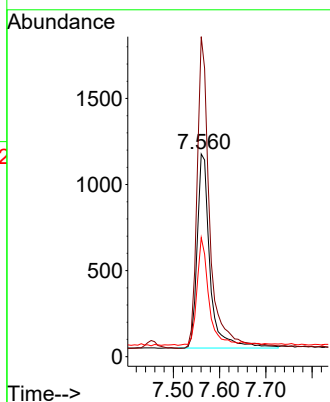
ClientSampleId :



Tgt Ion:152 Resp: 218
Ion Ratio Lower Upper
152 100
150 157.8 116.2 174.2
115 58.7 42.9 64.3

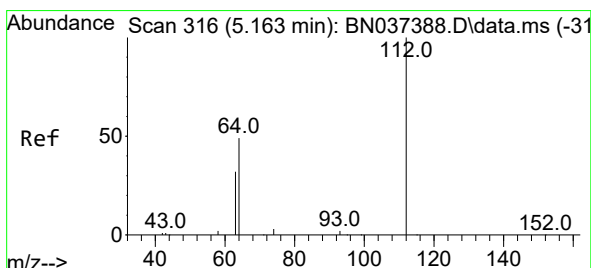
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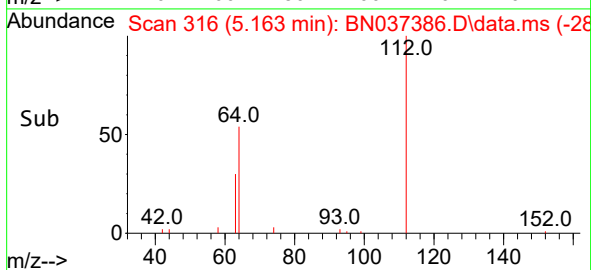
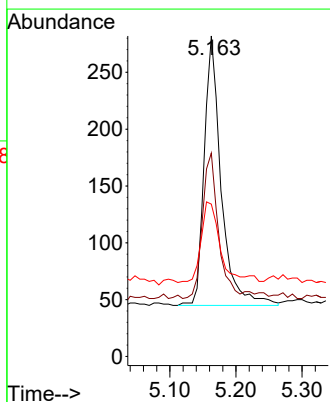
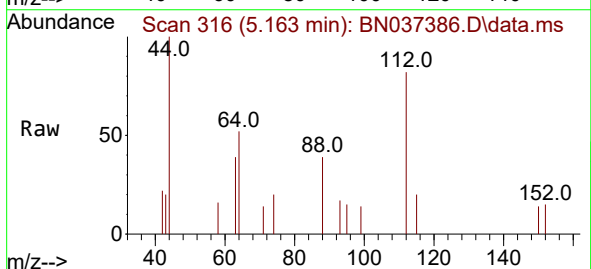
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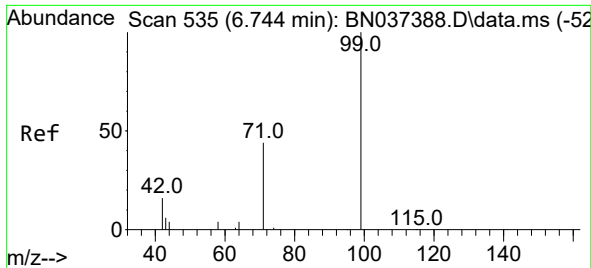
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#4
2-Fluorophenol
Concen: 0.100 ng
RT: 5.163 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

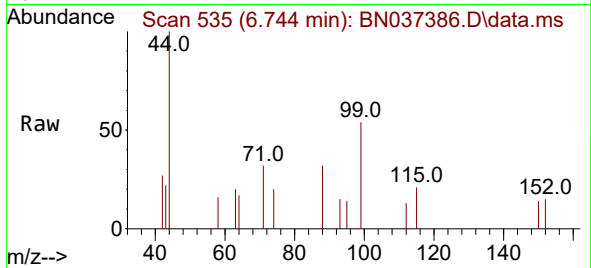
Tgt Ion:112 Resp: 421
Ion Ratio Lower Upper
112 100
64 50.6 40.3 60.5
63 34.0 26.1 39.1





#5
Phenol-d6
Concen: 0.083 ng
RT: 6.744 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

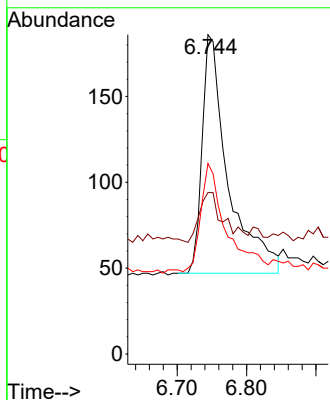
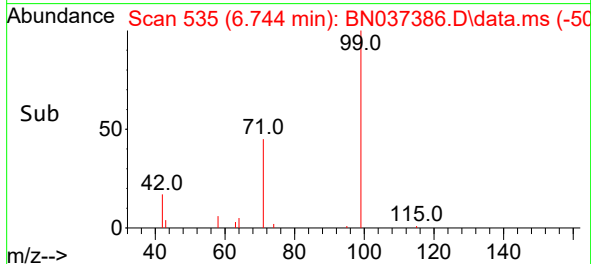
Instrument :
BNA_N
ClientSampleId :



Tgt Ion: 99 Resp: 362
Ion Ratio Lower Upper
99 100
42 19.6 15.6 23.4
71 43.6 35.8 53.8

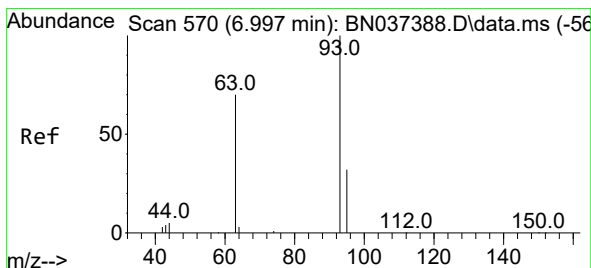
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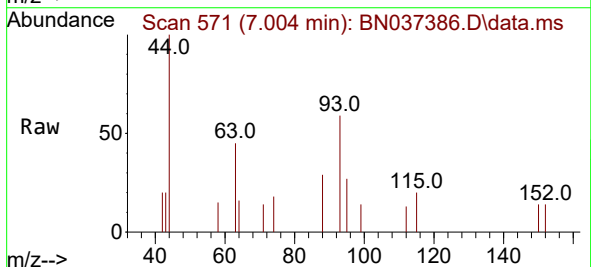


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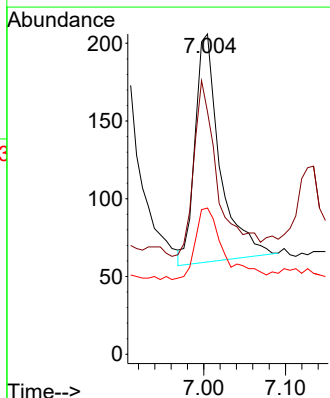
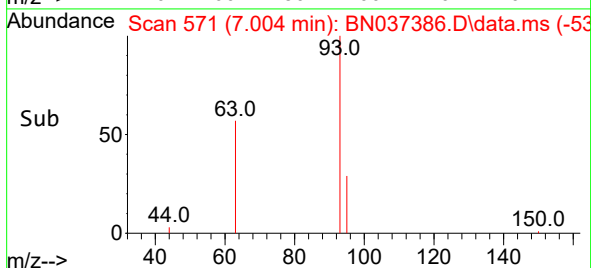
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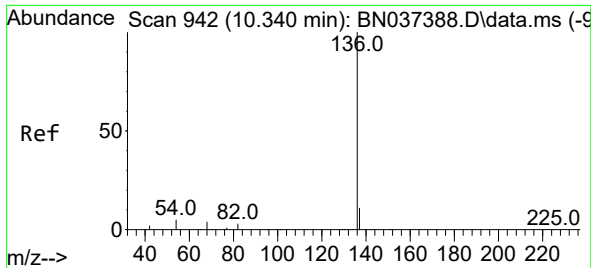


#6
bis(2-Chloroethyl)ether
Concen: 0.081 ng
RT: 7.004 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



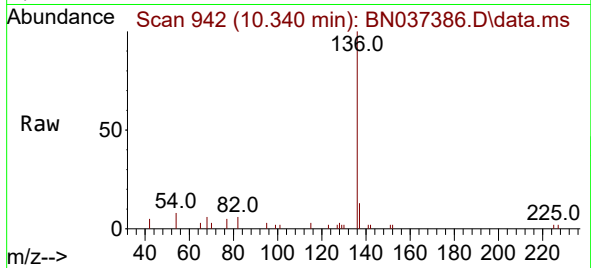
Tgt Ion: 93 Resp: 313
Ion Ratio Lower Upper
93 100
63 75.1 49.6 74.4#
95 35.5 23.9 35.9





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

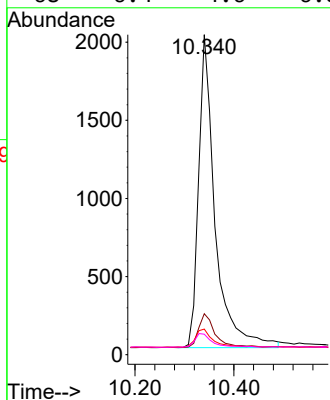
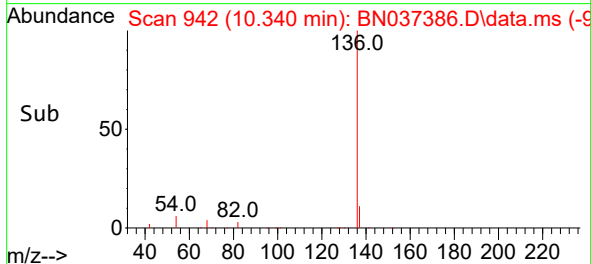
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:136 Resp: 4628
Ion Ratio Lower Upper
136 100
137 12.8 10.4 15.6
54 8.0 5.6 8.4
68 6.4 4.6 6.8

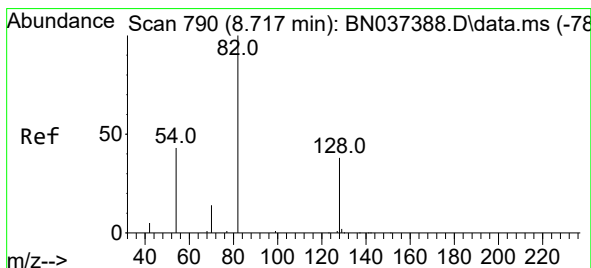
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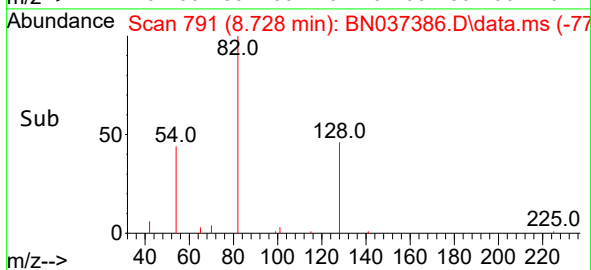
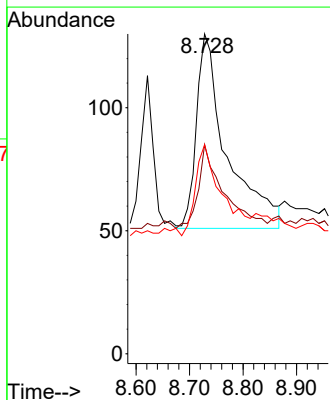
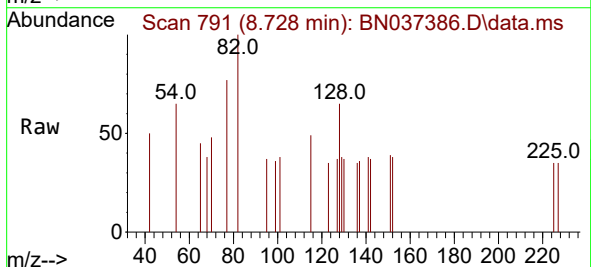
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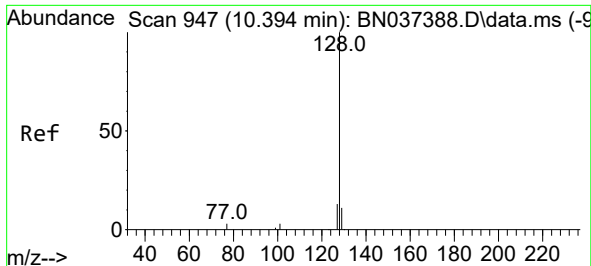
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#8
Nitrobenzene-d5
Concen: 0.085 ng m
RT: 8.728 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

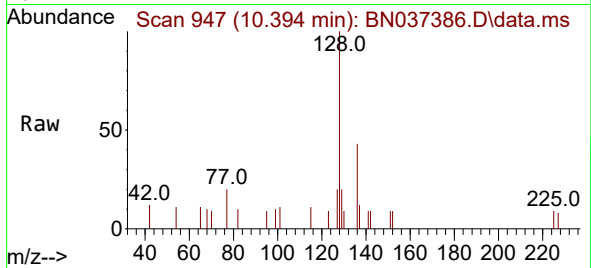
Tgt Ion: 82 Resp: 312
Ion Ratio Lower Upper
82 100
128 65.4 34.0 51.0#
54 65.4 37.7 56.5#





#9
Naphthalene
Concen: 0.101 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

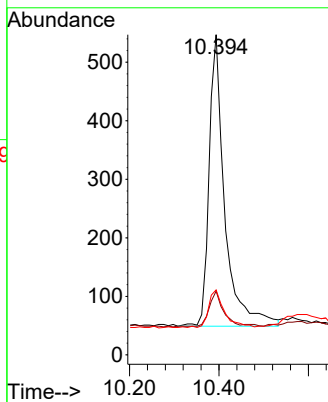
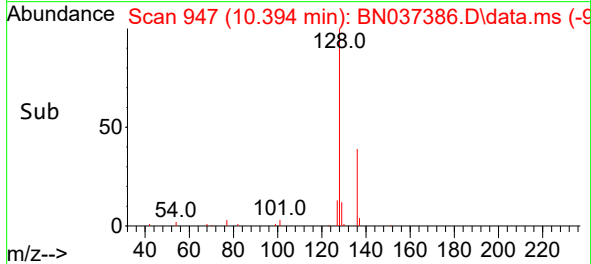
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:128 Resp: 1200
Ion Ratio Lower Upper
128 100
129 19.9 10.4 15.6
127 20.3 12.2 18.4

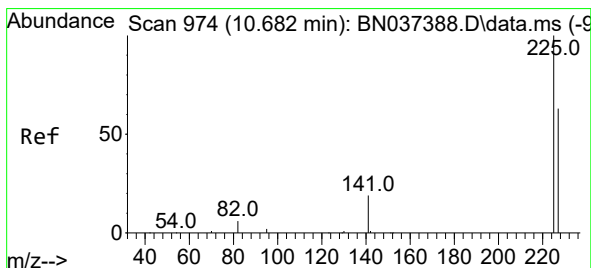
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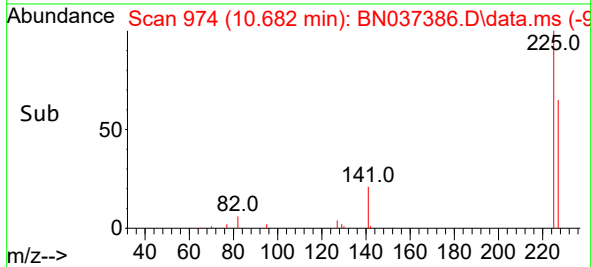
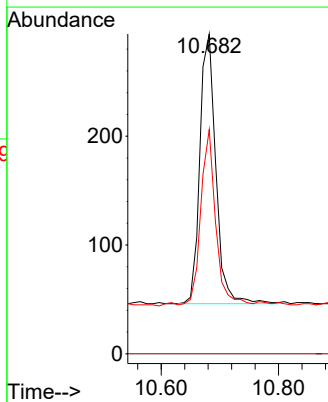
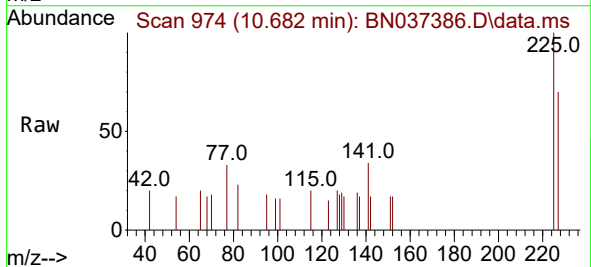
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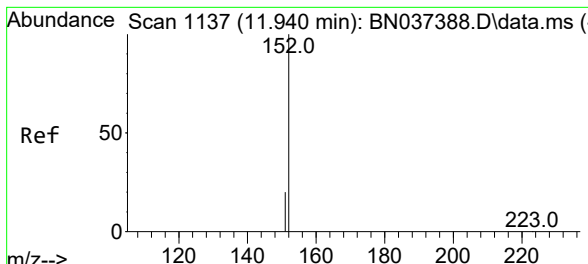
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#10
Hexachlorobutadiene
Concen: 0.100 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

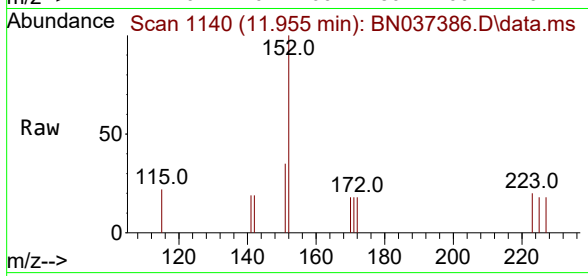
Tgt Ion:225 Resp: 471
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 60.7 49.9 74.9





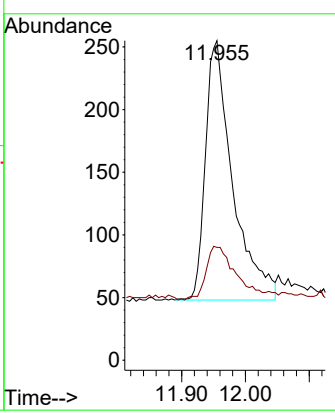
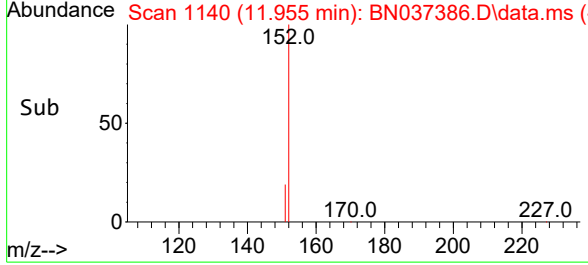
#11
 2-Methylnaphthalene-d10
 Concen: 0.086 ng
 RT: 11.955 min Scan# 1137
 Delta R.T. 0.015 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41

Instrument :
 BNA_N
 ClientSampleId :



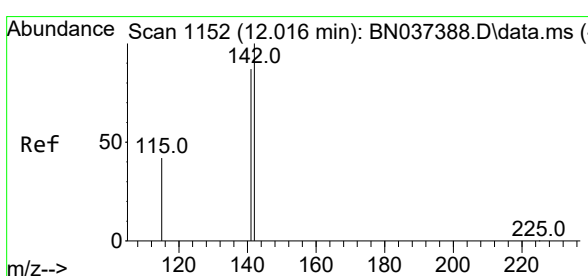
Tgt Ion:152 Resp: 61
 Ion Ratio Lower Upper
 152 100
 151 22.9 18.4 27.6

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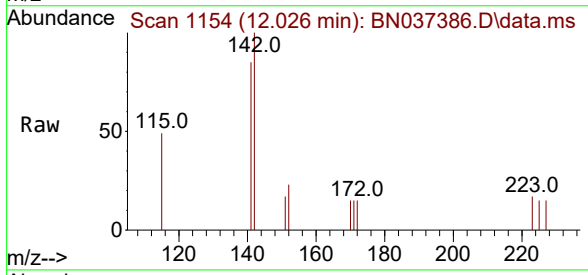


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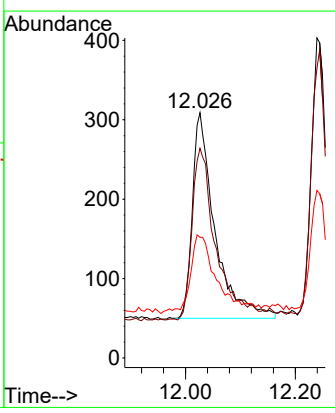
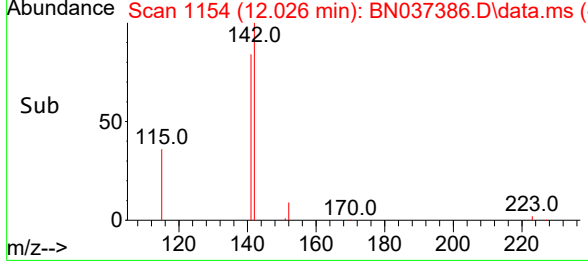
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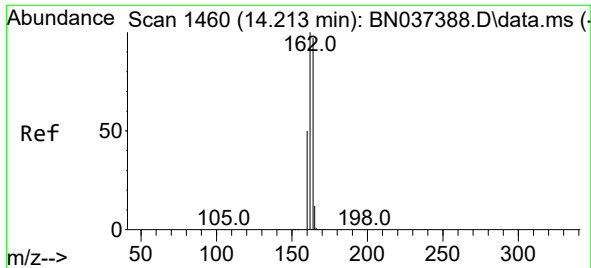


#12
 2-Methylnaphthalene
 Concen: 0.090 ng
 RT: 12.026 min Scan# 1154
 Delta R.T. 0.010 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41



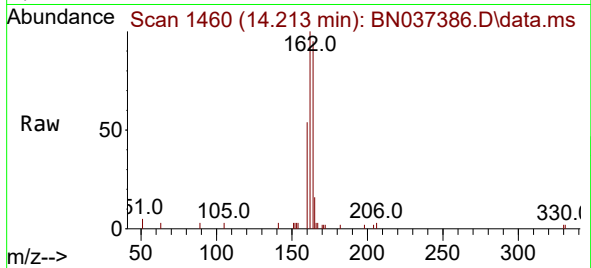
Tgt Ion:142 Resp: 735
 Ion Ratio Lower Upper
 142 100
 141 85.4 70.1 105.1
 115 49.2 35.8 53.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.213 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

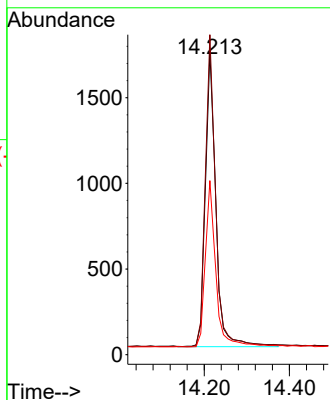
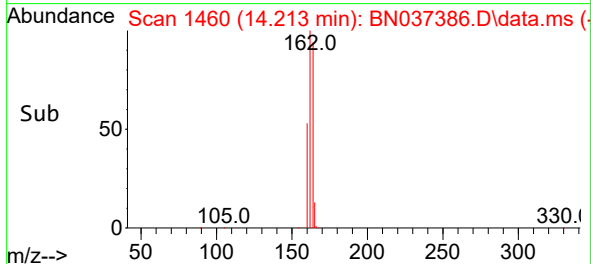
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:164 Resp: 294.5
Ion Ratio Lower Upper
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162 105.7 82.6 123.8
160 57.5 42.2 63.2

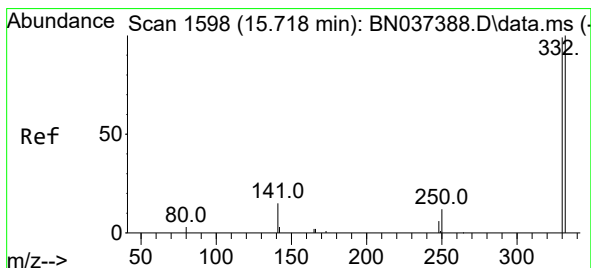
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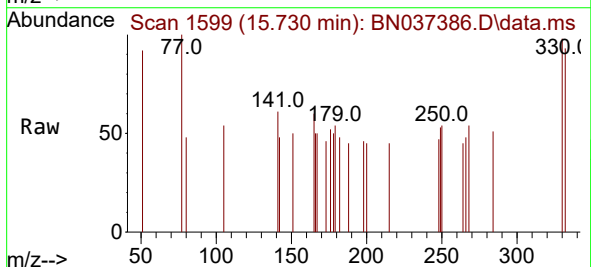


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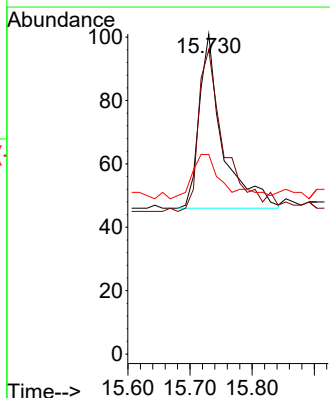
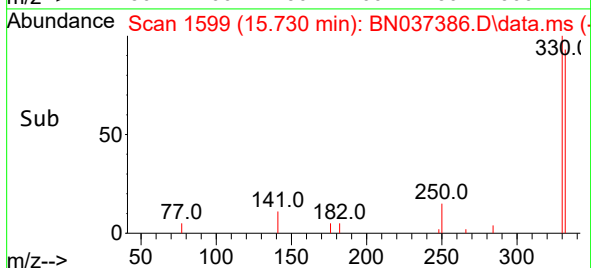
06/27/2025

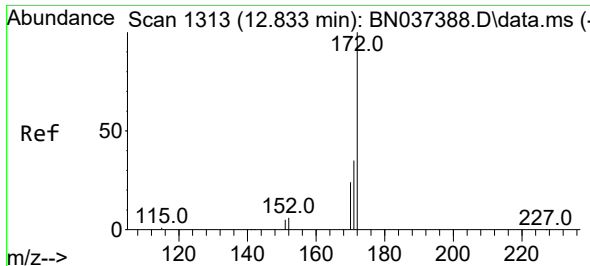


#14
2,4,6-Tribromophenol
Concen: 0.083 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.012 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



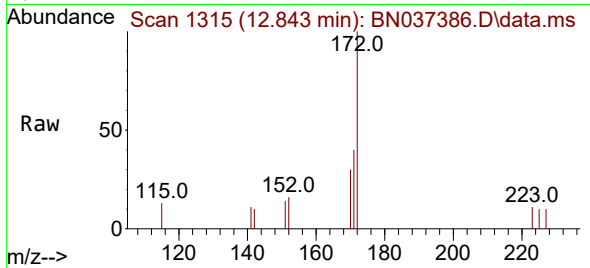
Tgt Ion:330 Resp: 143
Ion Ratio Lower Upper
330 100
332 107.7 77.8 116.8
141 33.6 24.0 36.0





#15
2-Fluorobiphenyl
Concen: 0.090 ng
RT: 12.843 min Scan# 1140
Delta R.T. 0.010 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

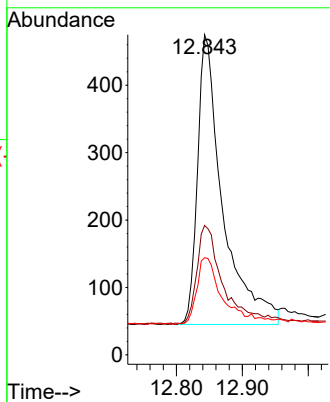
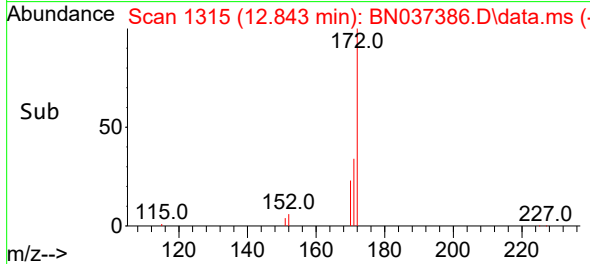
Instrument :
BNA_N
ClientSampleId :



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Ion Ratio Lower Upper
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171 40.4 28.8 43.2
170 30.3 20.3 30.5

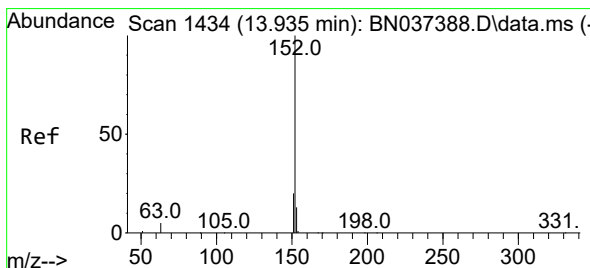
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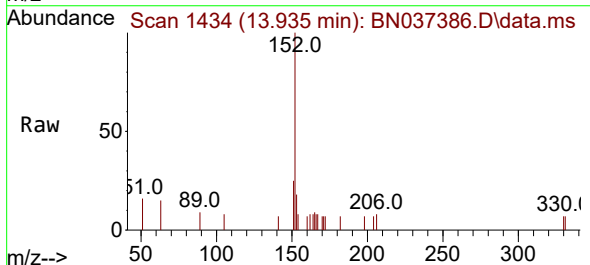


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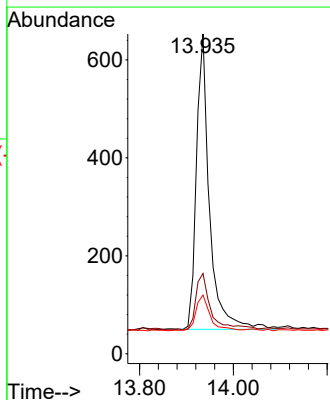
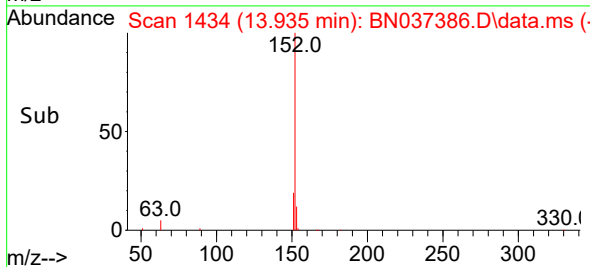
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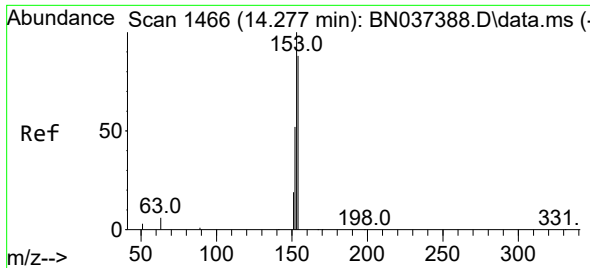


#16
Acenaphthylene
Concen: 0.096 ng
RT: 13.935 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



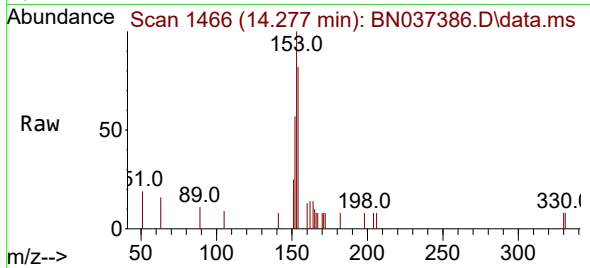
Tgt Ion:152 Resp: 1167
Ion Ratio Lower Upper
152 100
151 21.9 15.8 23.6
153 13.1 10.3 15.5





#17
Acenaphthene
Concen: 0.095 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

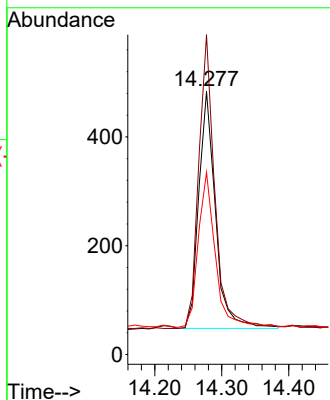
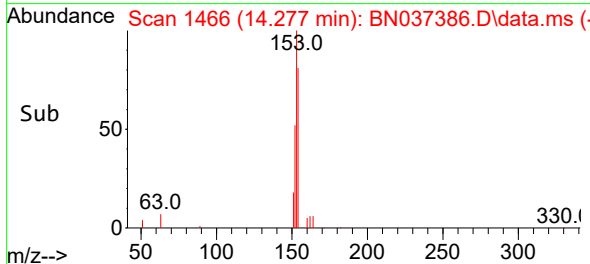
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:154 Resp: 758
Ion Ratio Lower Upper
154 100
153 119.4 94.6 141.8
152 66.6 50.2 75.2

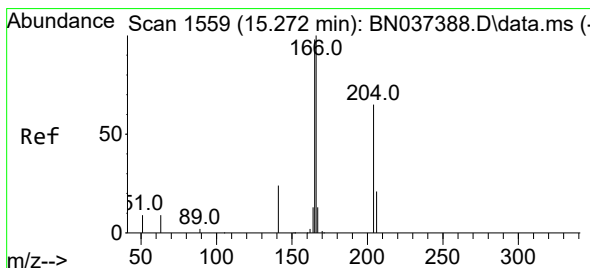
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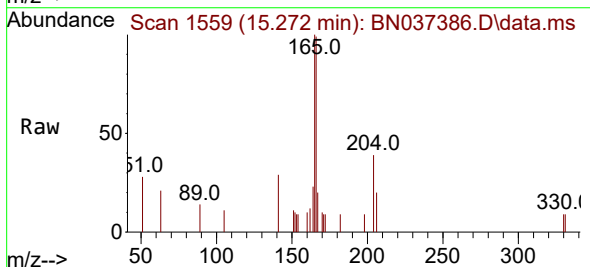


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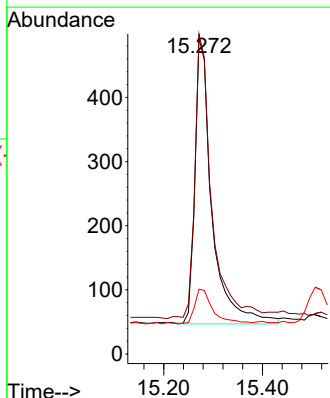
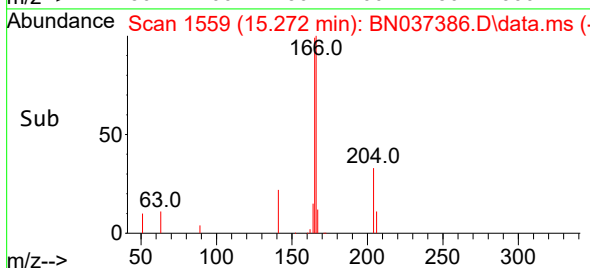
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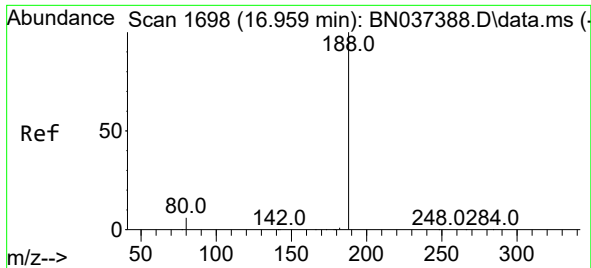


#18
Fluorene
Concen: 0.094 ng
RT: 15.272 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



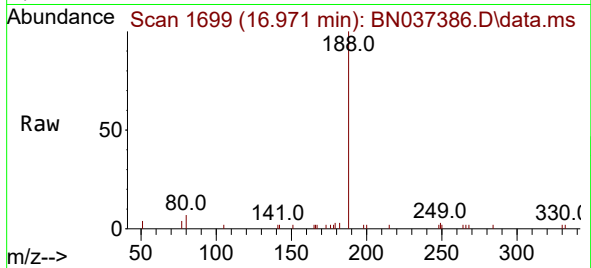
Tgt Ion:166 Resp: 1063
Ion Ratio Lower Upper
166 100
165 99.1 79.4 119.2
167 12.2 10.6 15.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1699
Delta R.T. 0.012 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

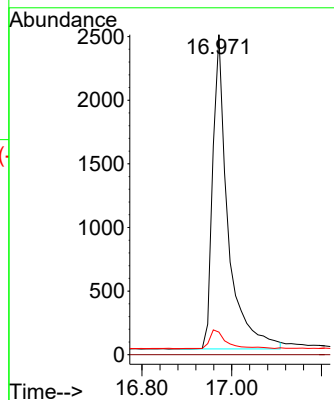
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:	188	Resp:	581
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.1	6.2	9.4

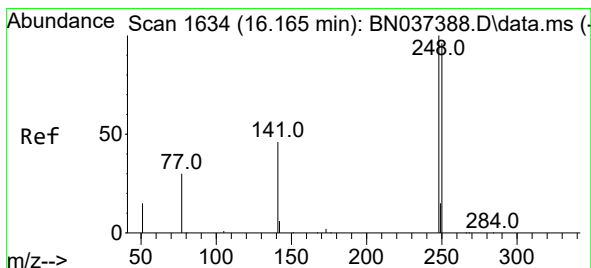
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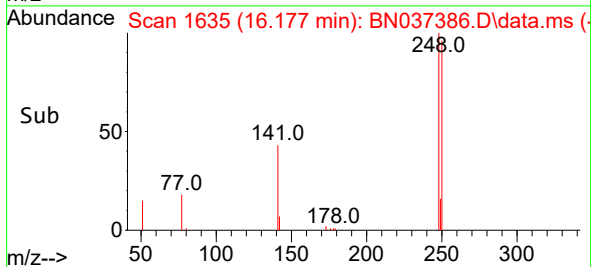
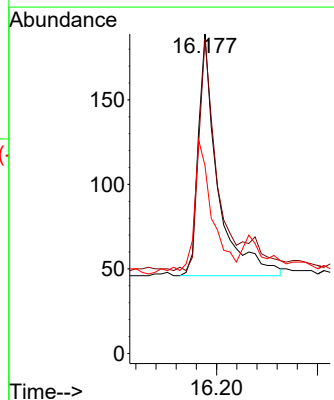
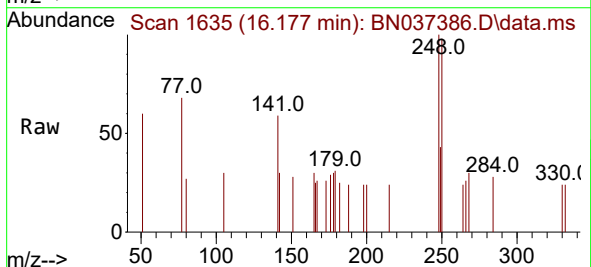
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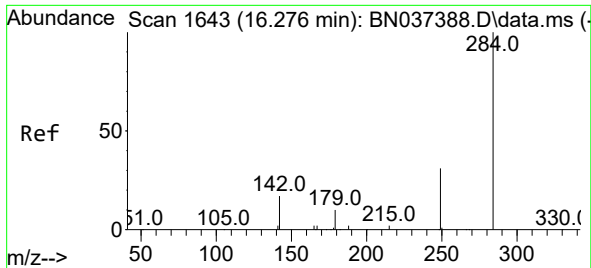
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#21
4-Bromophenyl-phenylether
Concen: 0.093 ng
RT: 16.177 min Scan# 1635
Delta R.T. 0.012 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

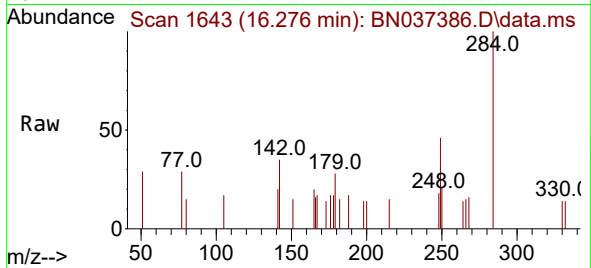
Tgt Ion:	248	Resp:	383
Ion Ratio	Lower	Upper	
248	100		
250	98.4	77.0	115.4
141	58.7	38.7	58.1





#22
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.276 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

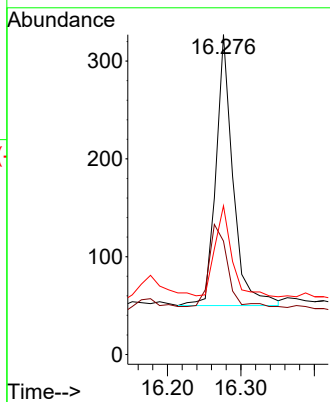
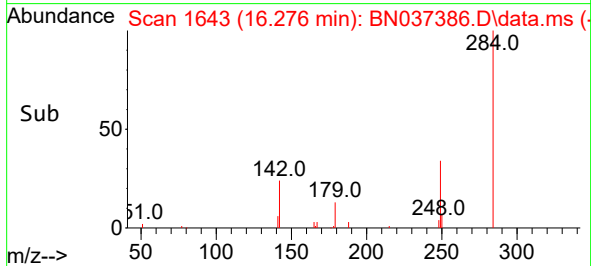
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:284 Resp: 450
Ion Ratio Lower Upper
284 100
142 34.4 27.2 40.8
249 35.1 26.7 40.1

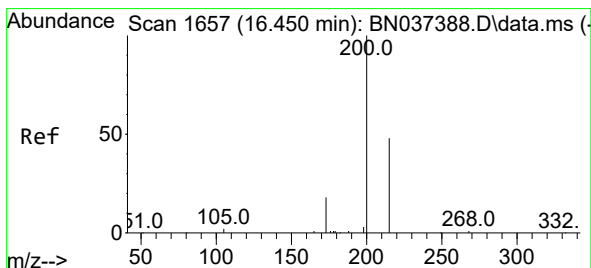
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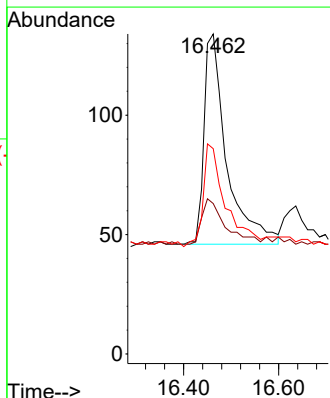
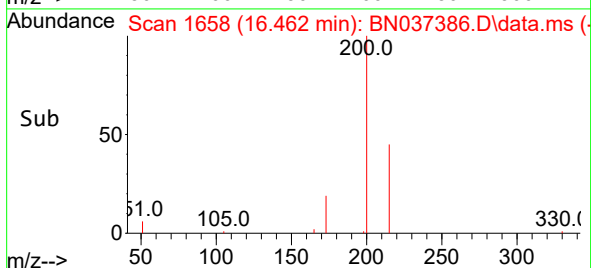
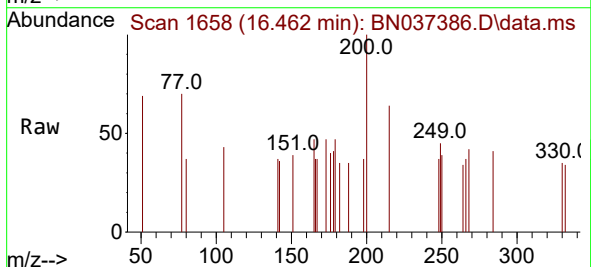
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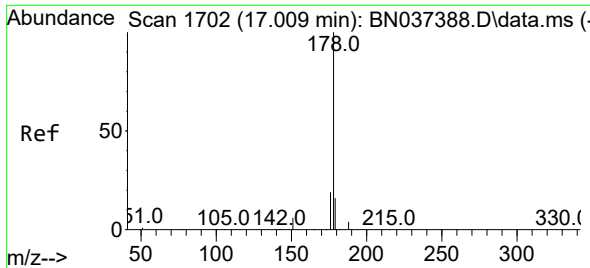
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#23
Atrazine
Concen: 0.090 ng
RT: 16.462 min Scan# 1658
Delta R.T. 0.012 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

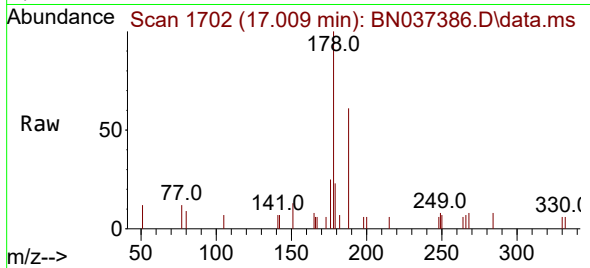
Tgt Ion:200 Resp: 291
Ion Ratio Lower Upper
200 100
173 47.0 19.0 28.6#
215 64.2 41.3 61.9#





#25
Phenanthrene
Concen: 0.094 ng
RT: 17.009 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

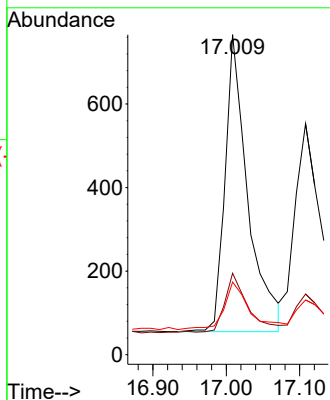
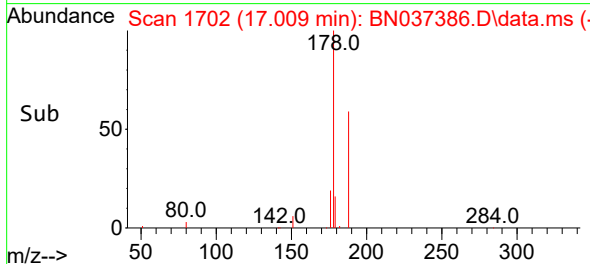
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:178 Resp: 1534
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 17.4 12.8 19.2

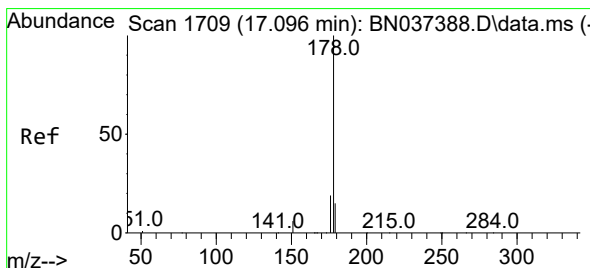
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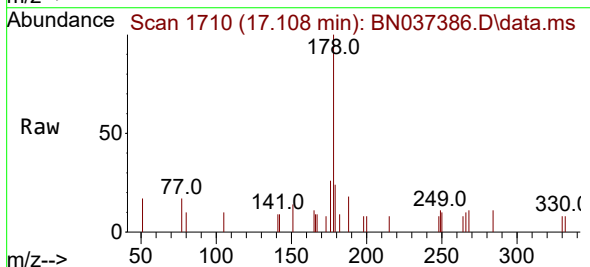


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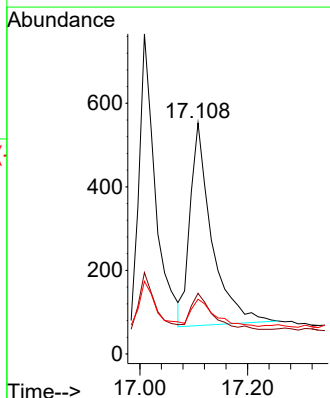
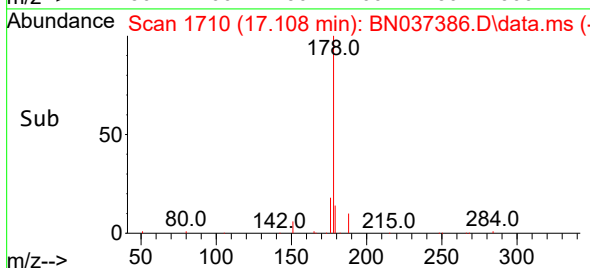
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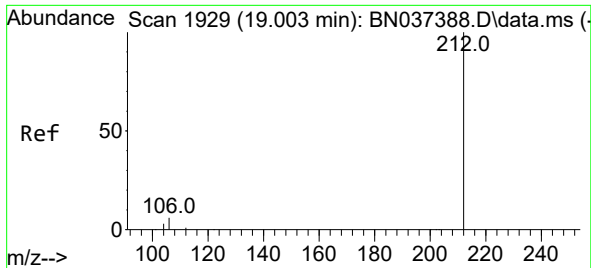


#26
Anthracene
Concen: 0.090 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.012 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



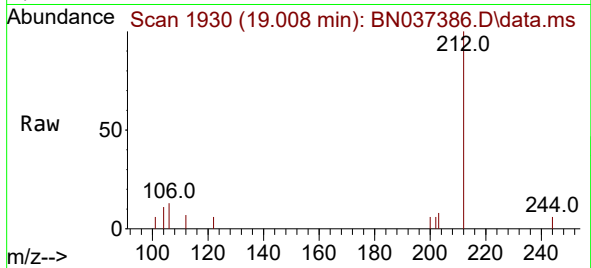
Tgt Ion:178 Resp: 1358
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 12.4 18.6





#27
Fluoranthene-d10
Concen: 0.094 ng
RT: 19.008 min Scan# 1930
Delta R.T. 0.005 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

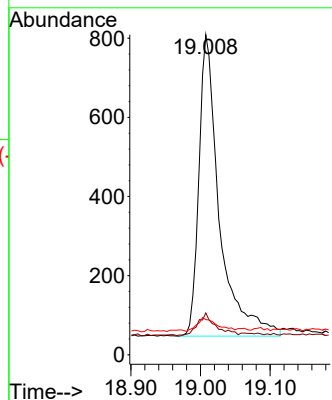
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:212 Resp: 1559
Ion Ratio Lower Upper
212 100
106 6.3 4.5 6.7
104 4.4 2.7 4.1

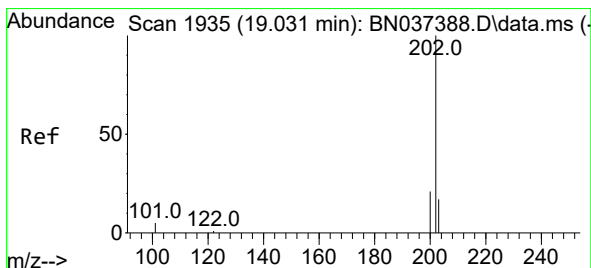
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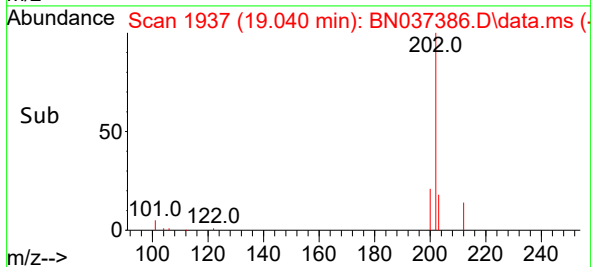
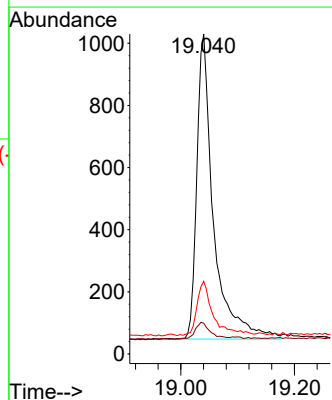
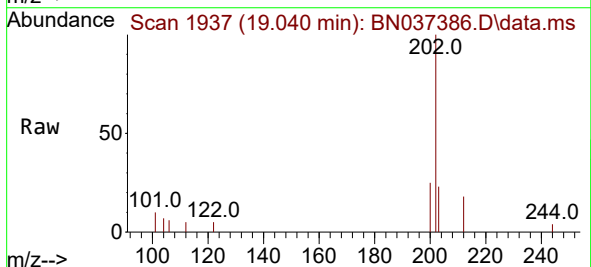
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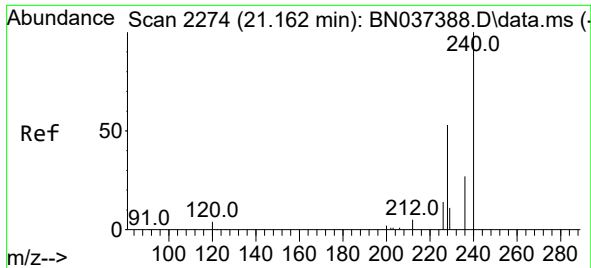
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#28
Fluoranthene
Concen: 0.096 ng
RT: 19.040 min Scan# 1937
Delta R.T. 0.009 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

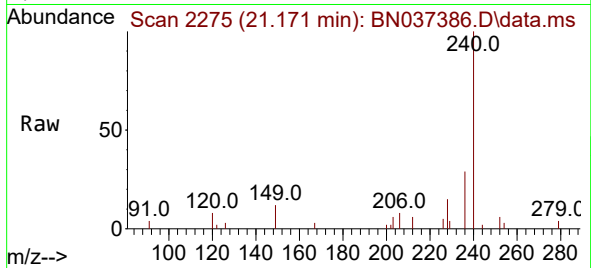
Tgt Ion:202 Resp: 2001
Ion Ratio Lower Upper
202 100
101 5.3 3.8 5.6
203 17.4 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

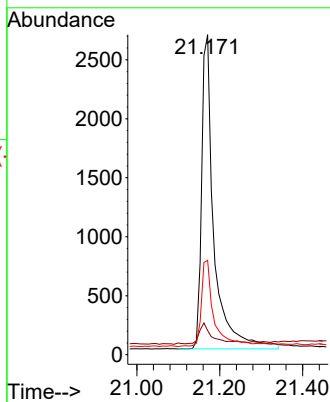
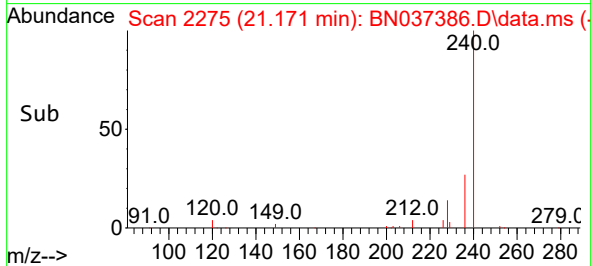
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:240 Resp: 5498
Ion Ratio Lower Upper
240 100
120 7.6 5.3 7.9
236 29.5 22.7 34.1

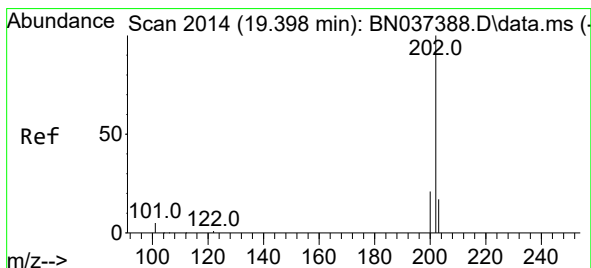
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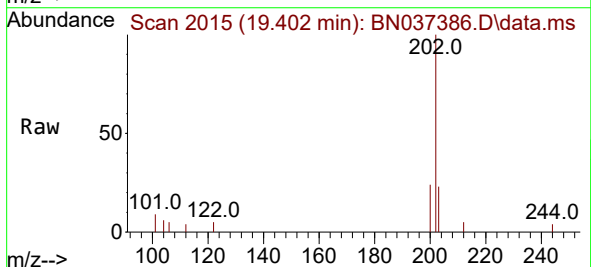


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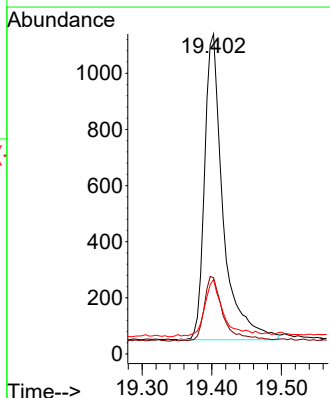
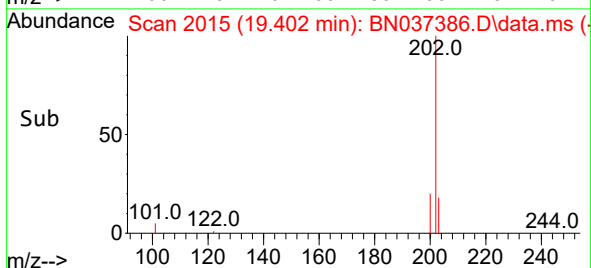
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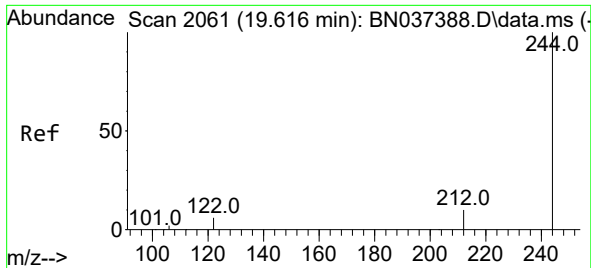


#30
Pyrene
Concen: 0.096 ng
RT: 19.402 min Scan# 2015
Delta R.T. 0.005 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



Tgt Ion:202 Resp: 2006
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 18.0 14.2 21.2



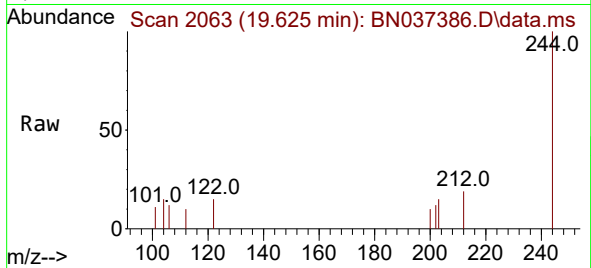


#31
 Terphenyl-d14
 Concen: 0.094 ng
 RT: 19.625 min Scan# 2063
 Delta R.T. 0.009 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41

Instrument :

BNA_N

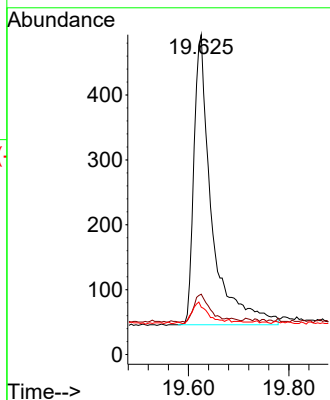
ClientSampleId :



Tgt Ion:244 Resp: 1099
 Ion Ratio Lower Upper
 244 100
 212 18.9 9.1 13.7
 122 14.8 6.3 9.5

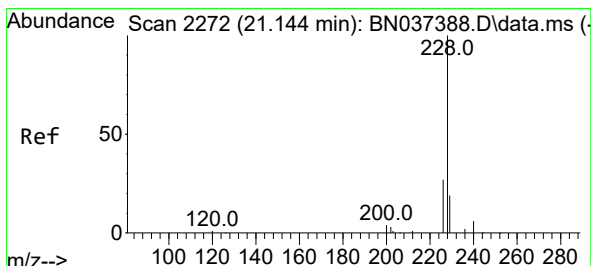
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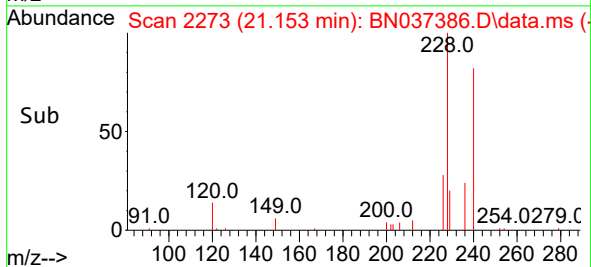
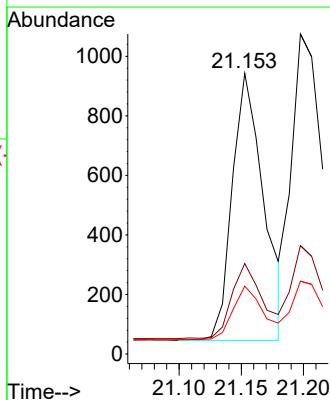
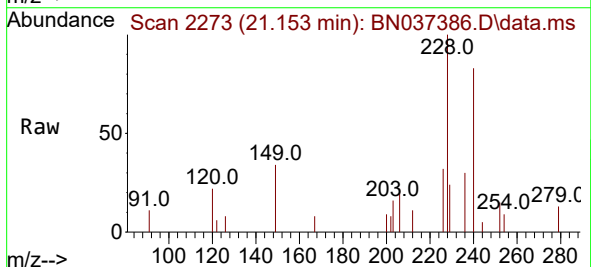
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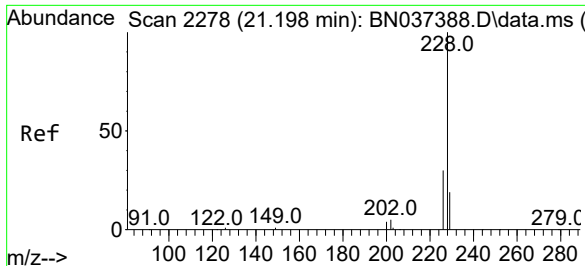
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#32
 Benzo(a)anthracene
 Concen: 0.091 ng
 RT: 21.153 min Scan# 2273
 Delta R.T. 0.009 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41

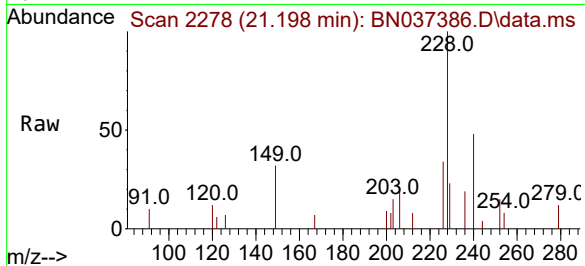
Tgt Ion:228 Resp: 1579
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 34.0
 229 24.2 16.2 24.2





#33
Chrysene
Concen: 0.105 ng
RT: 21.198 min Scan# 21198
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

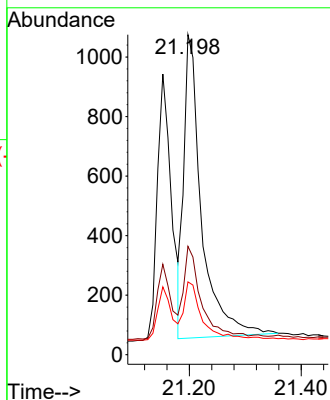
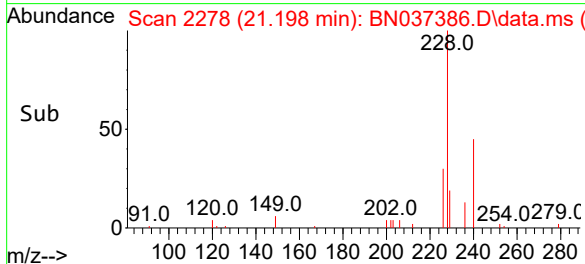
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:228 Resp: 224
Ion Ratio Lower Upper
228 100
226 33.9 24.5 36.7
229 22.8 16.1 24.1

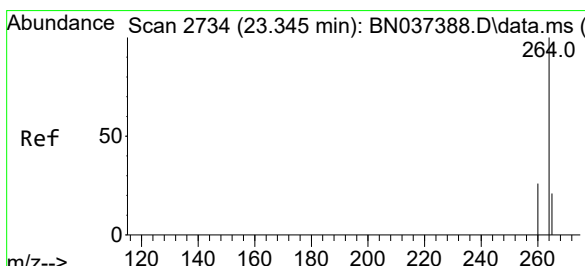
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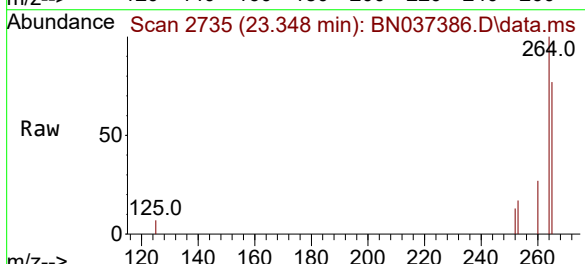


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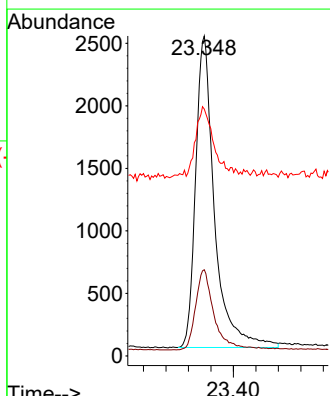
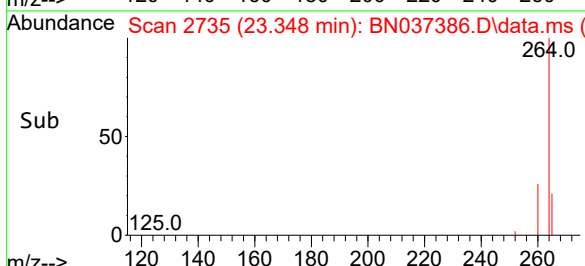
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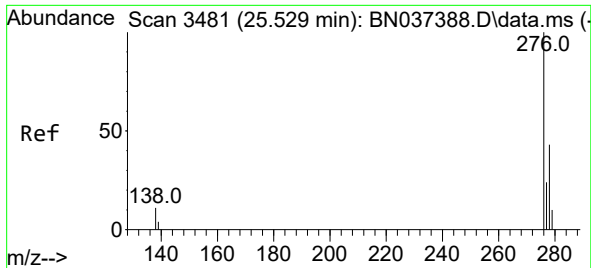


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.348 min Scan# 2735
Delta R.T. 0.003 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41



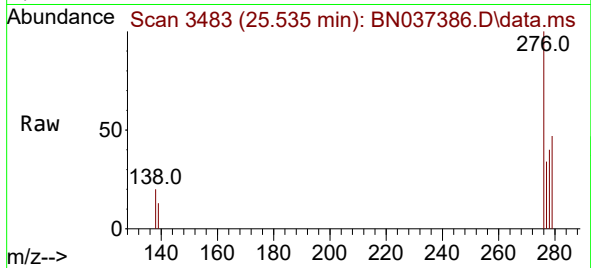
Tgt Ion:264 Resp: 5798
Ion Ratio Lower Upper
264 100
260 26.9 21.4 32.0
265 77.1 56.2 84.4





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.088 ng
 RT: 25.535 min Scan# 3483
 Delta R.T. 0.006 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41

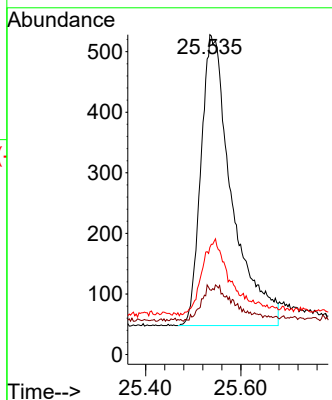
Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion: 276 Resp: 2150
 Ion Ratio Lower Upper
 276 100
 138 4.1 8.5 12.7
 277 21.2 19.7 29.5

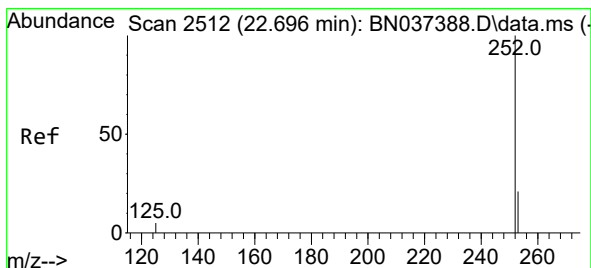
Manual Integrations
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Reviewed By :Rahul
 Chavli



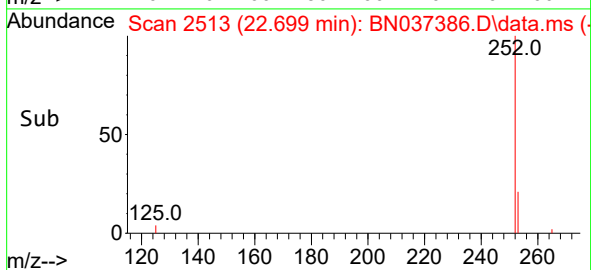
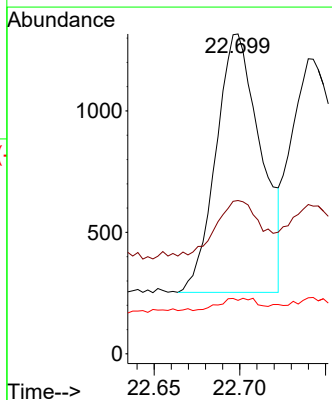
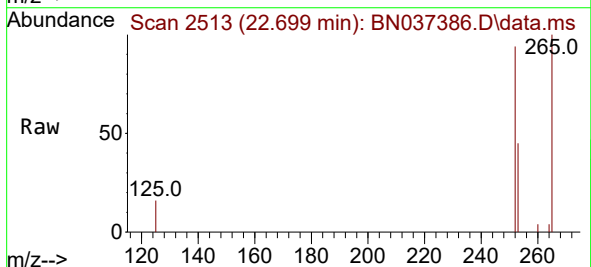
06/27/2025
 Supervised By :Jagrut
 Upadhyay

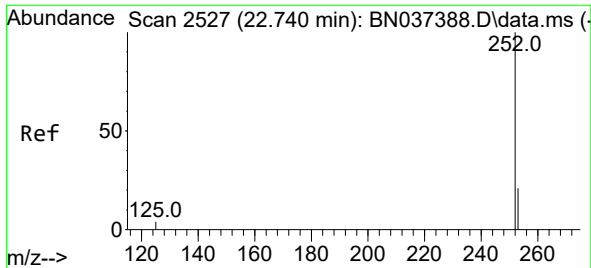
06/27/2025



#37
 Benzo(b)fluoranthene
 Concen: 0.094 ng
 RT: 22.699 min Scan# 2513
 Delta R.T. 0.003 min
 Lab File: BN037386.D
 Acq: 26 Jun 2025 10:41

Tgt Ion: 252 Resp: 1927
 Ion Ratio Lower Upper
 252 100
 253 47.9 22.8 34.2#
 125 16.7 6.2 9.4#



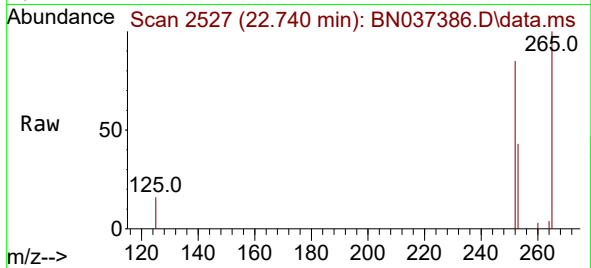


#38
Benzo(k)fluoranthene
Concen: 0.093 ng
RT: 22.740 min Scan# 210
Delta R.T. -0.000 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

Instrument :

BN037386.D

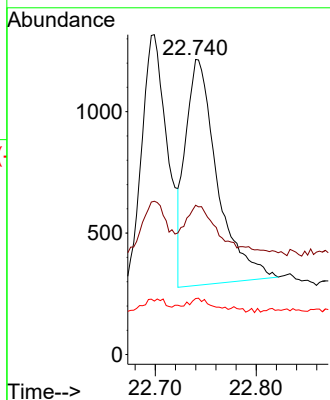
ClientSampleId :



Tgt Ion:252 Resp: 204
Ion Ratio Lower Upper
252 100
253 50.6 23.2 34.8
125 19.0 6.0 9.0

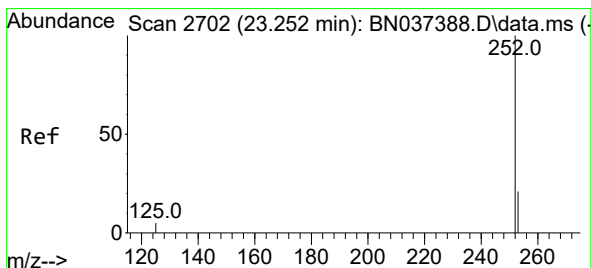
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



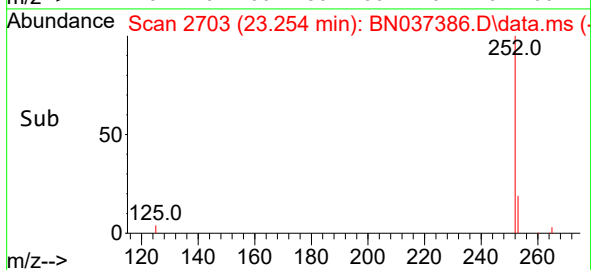
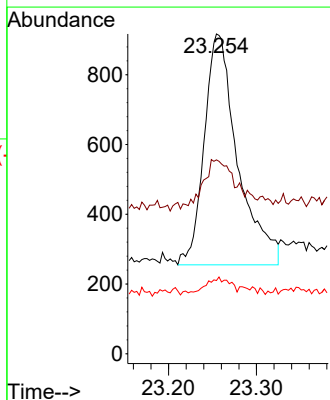
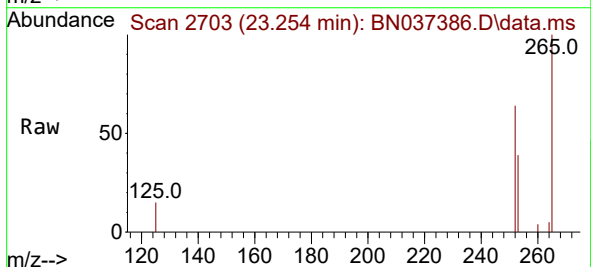
06/27/2025
Supervised By :Jagrut
Upadhyay

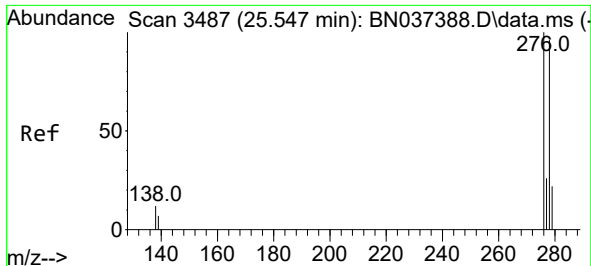
06/27/2025



#39
Benzo(a)pyrene
Concen: 0.097 ng
RT: 23.254 min Scan# 2703
Delta R.T. 0.003 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

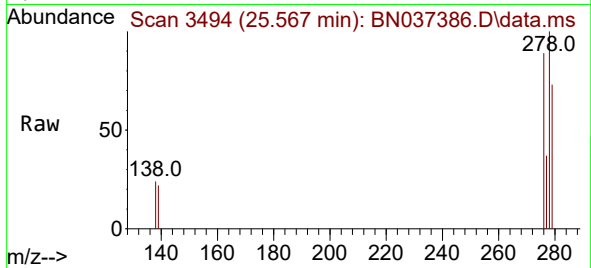
Tgt Ion:252 Resp: 1755
Ion Ratio Lower Upper
252 100
253 60.6 25.6 38.4
125 22.9 7.5 11.3





#40
Dibenzo(a,h)anthracene
Concen: 0.081 ng
RT: 25.567 min Scan# 3487
Delta R.T. 0.020 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

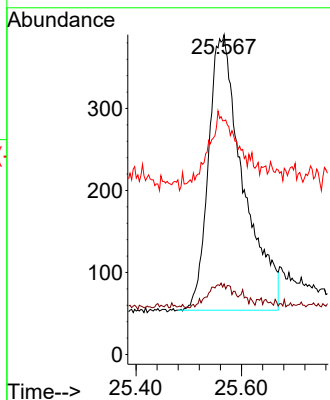
Instrument :
BNA_N
ClientSampleId :



Tgt Ion:278 Resp: 152
Ion Ratio Lower Upper
278 100
139 22.1 8.5 12.7
279 73.1 27.5 41.3

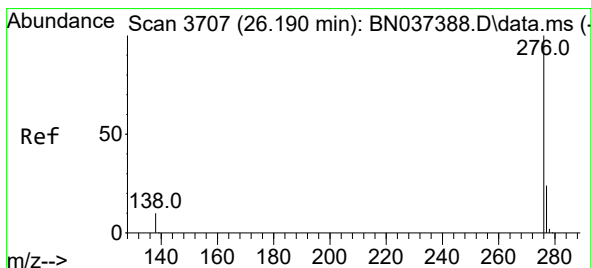
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



06/27/2025
Supervised By :Jagrut
Upadhyay

06/27/2025



#41
Benzo(g,h,i)perylene
Concen: 0.092 ng
RT: 26.193 min Scan# 3708
Delta R.T. 0.003 min
Lab File: BN037386.D
Acq: 26 Jun 2025 10:41

Tgt Ion:276 Resp: 2066
Ion Ratio Lower Upper
276 100
277 31.8 21.0 31.4#
138 18.4 9.6 14.4#

