

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037608.D
 Acq On : 19 Aug 2025 15:29
 Operator : RC/JU
 Sample : Q2869-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325

Quant Time: Aug 20 01:26:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2200	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5205	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2609	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5274	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4636	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	4050	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	826	0.166	ng	0.00
5) Phenol-d6	6.879	99	576	0.096	ng	0.00
8) Nitrobenzene-d5	8.854	82	1306	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2188	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	421	0.369	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5552	0.368	ng	0.00
27) Fluoranthene-d10	19.118	212	5219	0.376	ng	0.00
31) Terphenyl-d14	19.717	244	4571	0.479	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	11100	5.274	ng	# 95
9) Naphthalene	10.541	128	1436	0.104	ng	# 91
12) 2-Methylnaphthalene	12.161	142	233	0.027	ng	# 88
17) Acenaphthene	14.409	154	611	0.077	ng	98
18) Fluorene	15.392	166	597	0.057	ng	98
25) Phenanthrene	17.124	178	8597	0.536	ng	100
28) Fluoranthene	19.146	202	7523	0.408	ng	99
30) Pyrene	19.508	202	5017	0.289	ng	# 94
32) Benzo(a)anthracene	21.250	228	535	0.035	ng	# 85
33) Chrysene	21.304	228	813m	0.047	ng	
34) Bis(2-ethylhexyl)phtha...	21.196	149	466	0.073	ng	# 91

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

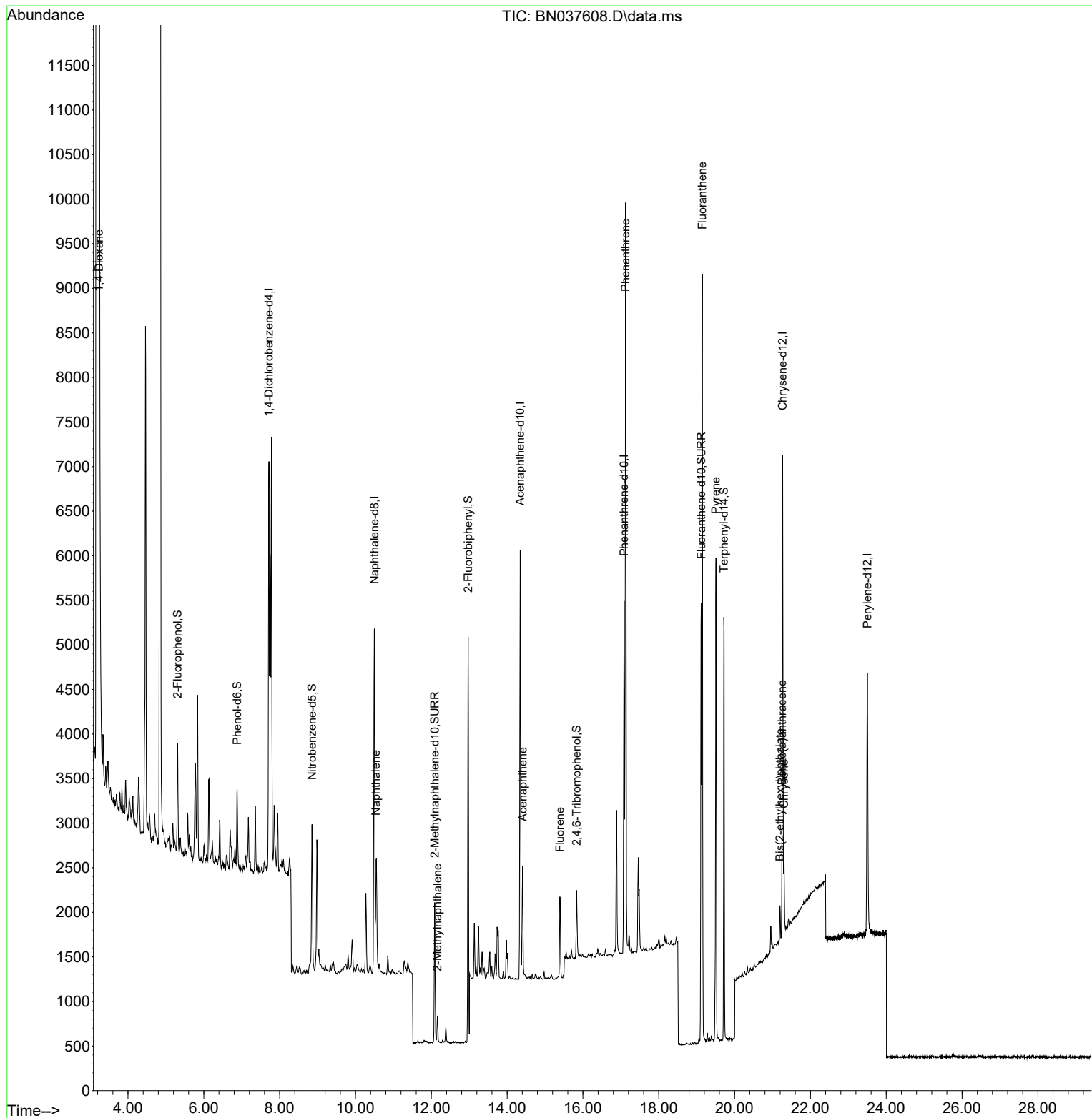
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037608.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
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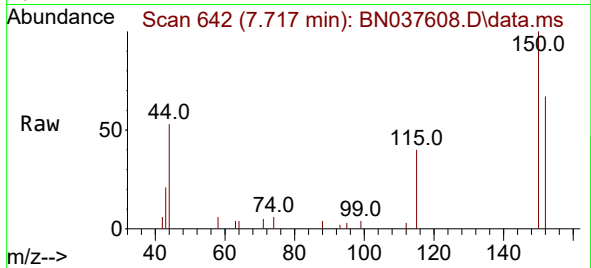
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

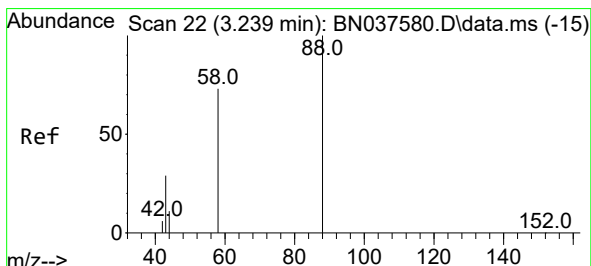
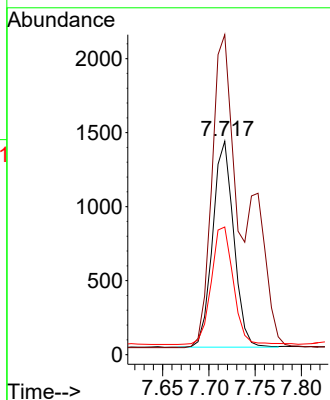
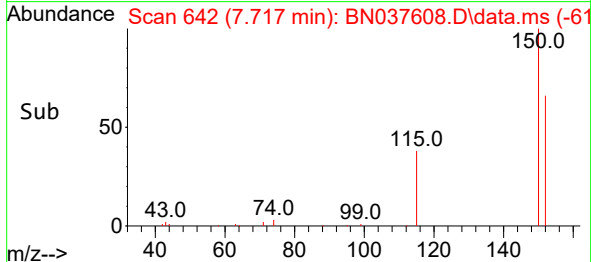
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325



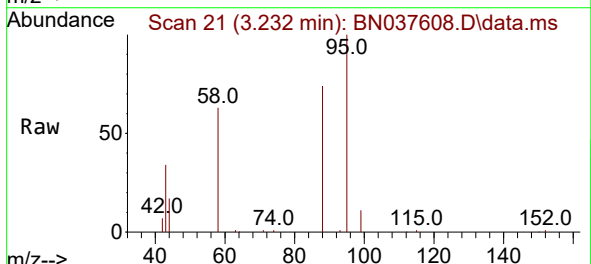
Tgt Ion: 152 Resp: 2200
 Ion Ratio Lower Upper
 152 100
 150 149.9 122.2 183.4
 115 59.8 49.8 74.6

Manual Integrations
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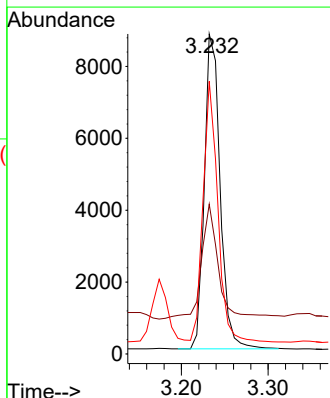
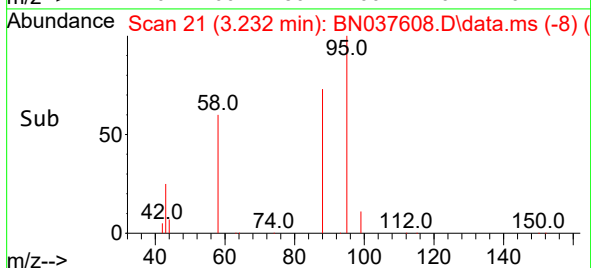
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

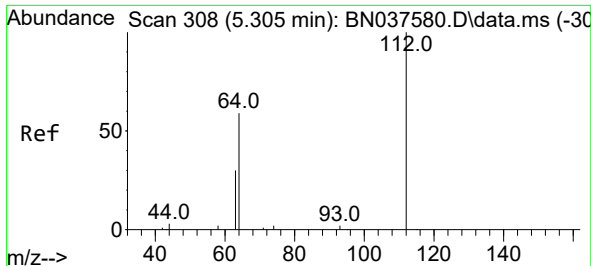


#2
 1,4-Dioxane
 Concen: 5.274 ng
 RT: 3.232 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29



Tgt Ion: 88 Resp: 11100
 Ion Ratio Lower Upper
 88 100
 43 40.0 25.8 38.6#
 58 77.1 61.2 91.8





#4

2-Fluorophenol

Concen: 0.166 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

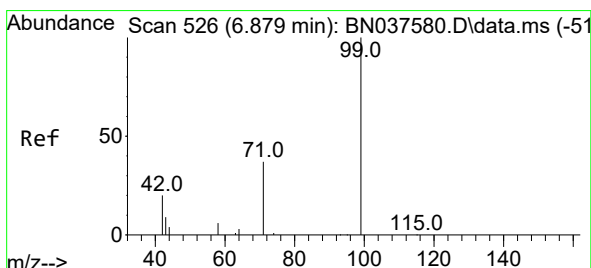
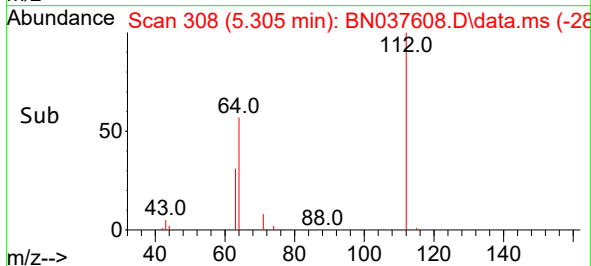
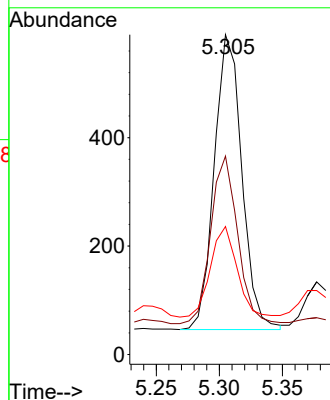
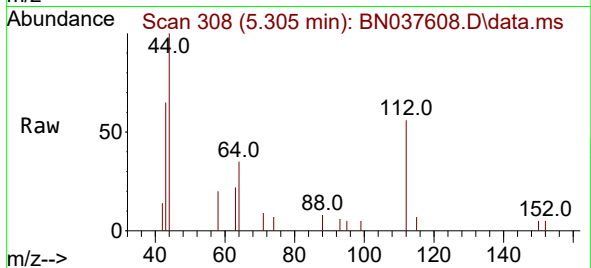
Tgt Ion:	112	Resp:	820
Ion Ratio	Lower	Upper	
112	100		
64	55.4	44.9	67.3
63	29.8	23.4	35.2

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Supervised By :Jagrut Upadhyay 08/20/2025



#5

Phenol-d6

Concen: 0.096 ng

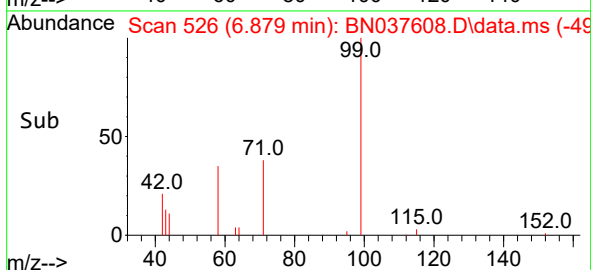
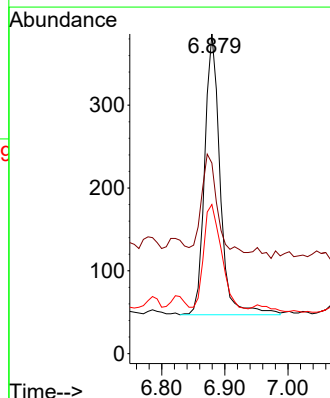
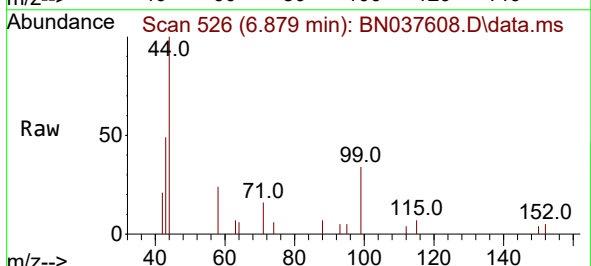
RT: 6.879 min Scan# 526

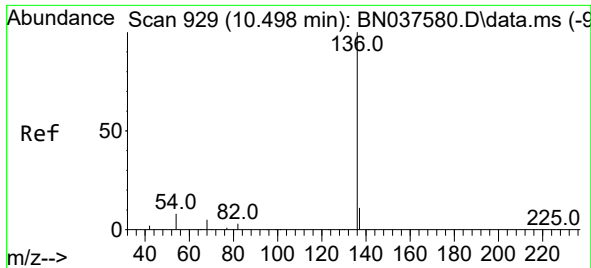
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

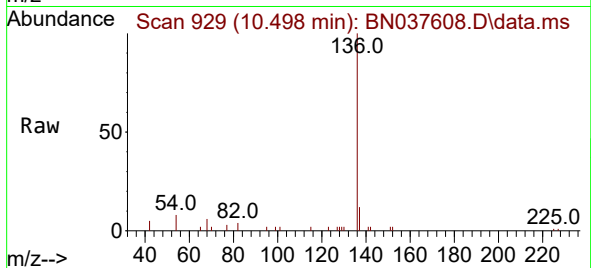
Tgt Ion:	99	Resp:	576
Ion Ratio	Lower	Upper	
99	100		
42	34.5	18.5	27.7#
71	43.4	28.6	42.8#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

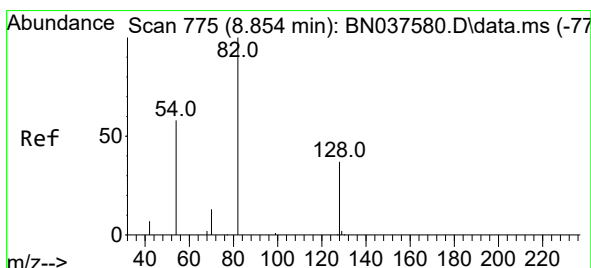
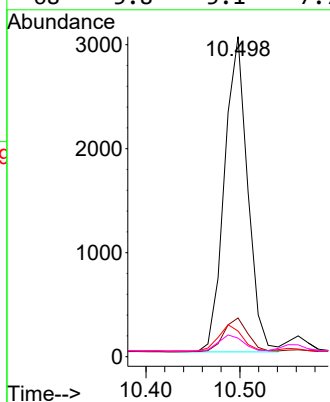
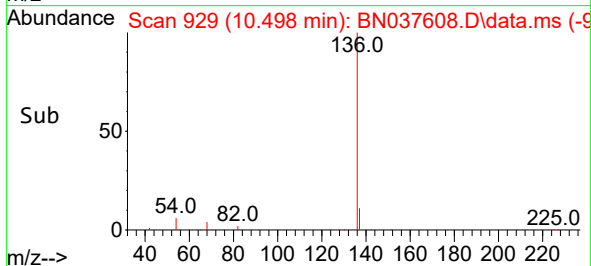
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:	136	Resp:	520
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.0	7.3	10.9
68	5.8	5.1	7.7

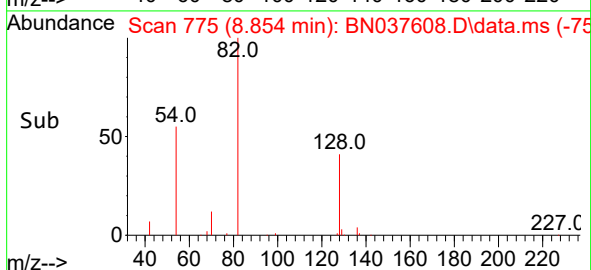
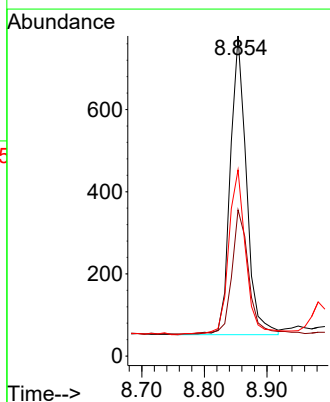
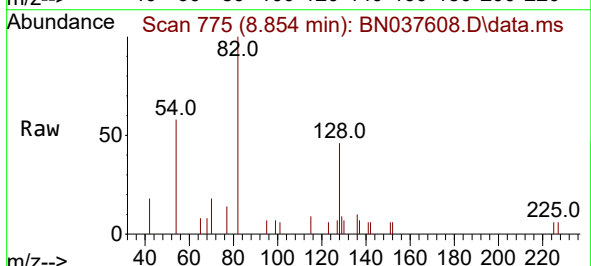
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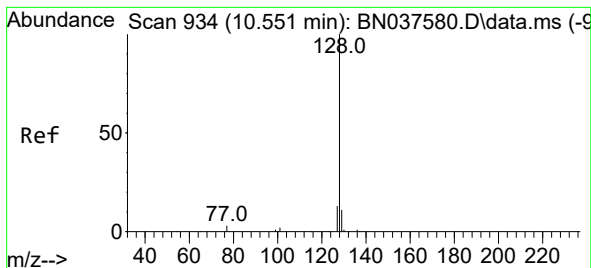
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:	82	Resp:	1306
Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	58.2	48.9	73.3





#9

Naphthalene

Concen: 0.104 ng

RT: 10.541 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

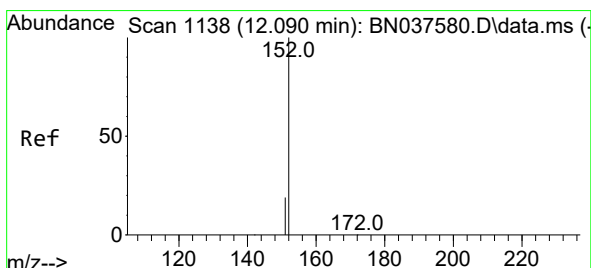
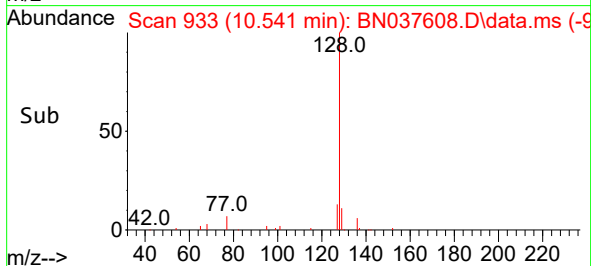
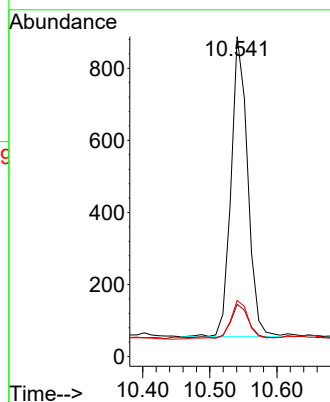
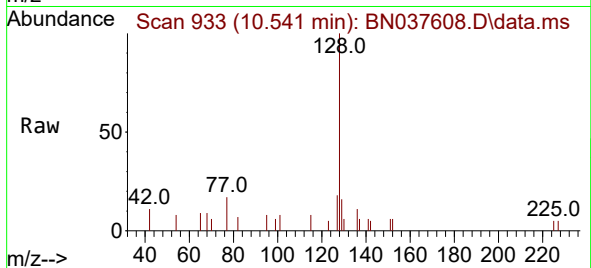
Tgt Ion:	128	Resp:	1430
Ion Ratio	Lower	Upper	
128	100		
129	16.3	9.8	14.6
127	17.6	11.5	17.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

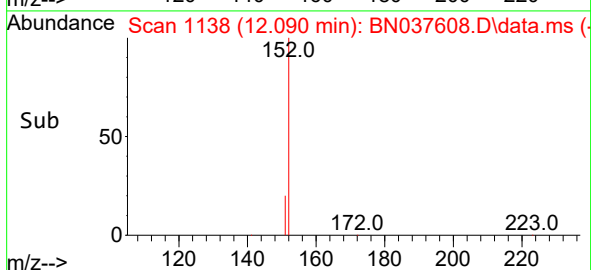
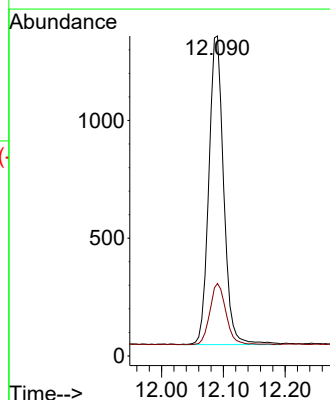
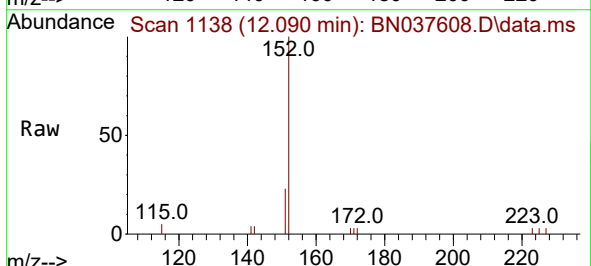
RT: 12.090 min Scan# 1138

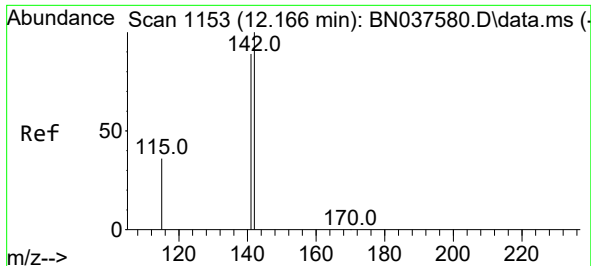
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:	152	Resp:	2188
Ion Ratio	Lower	Upper	
152	100		
151	21.4	17.3	25.9





#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

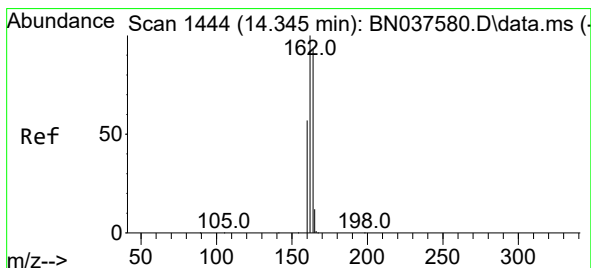
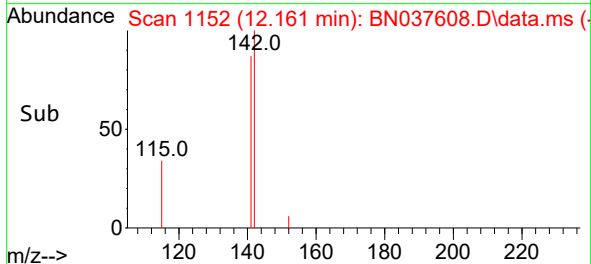
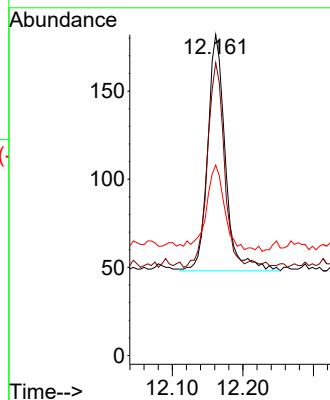
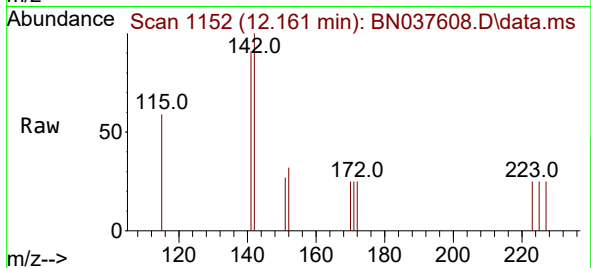
Tgt Ion:	142	Resp:	233
Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.0
115	59.3	30.2	45.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#13

Acenaphthene-d10

Concen: 0.400 ng

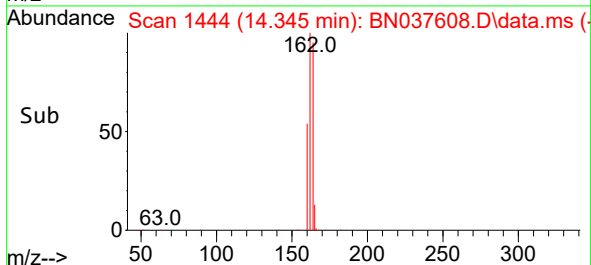
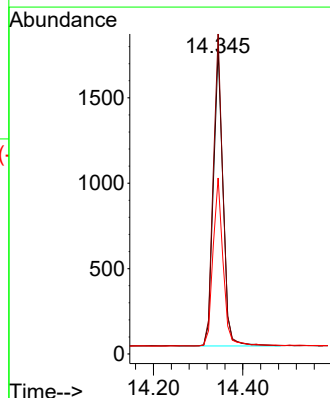
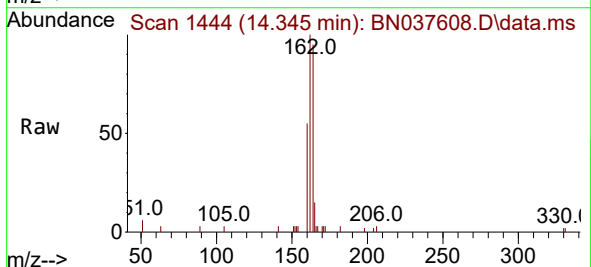
RT: 14.345 min Scan# 1444

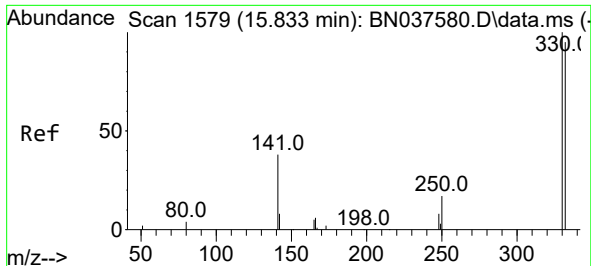
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:	164	Resp:	2609
Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.5	128.3
160	57.9	49.5	74.3





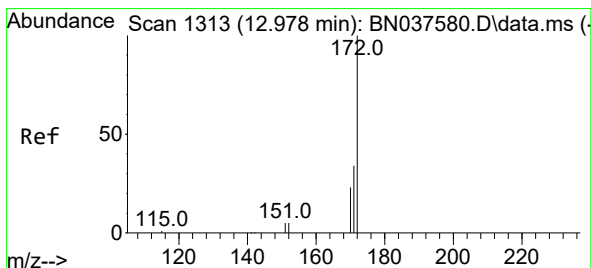
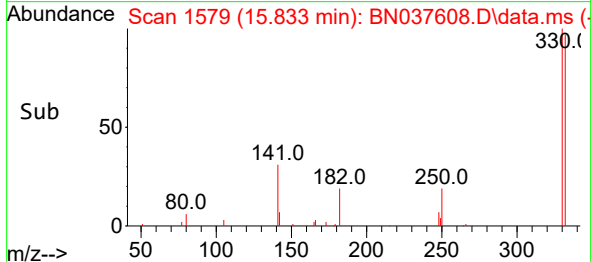
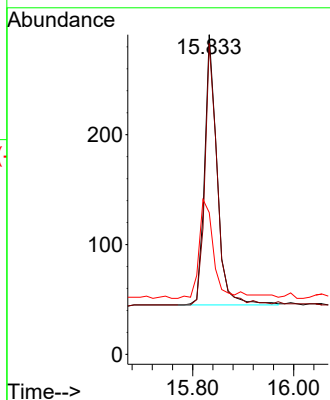
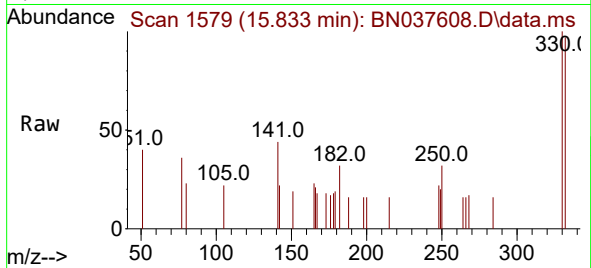
#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:330 Resp: 42
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 41.6 30.9 46.3

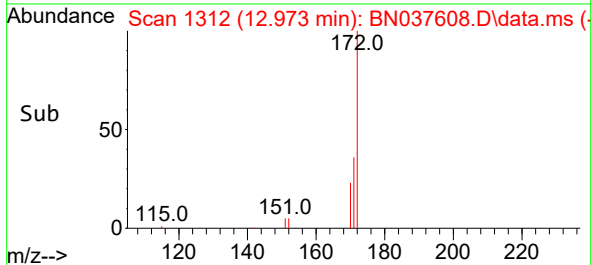
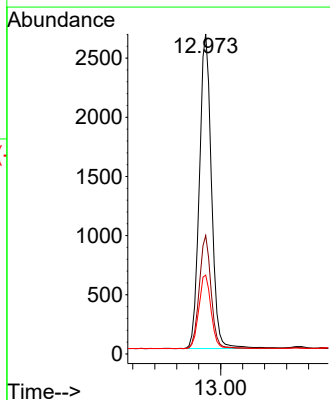
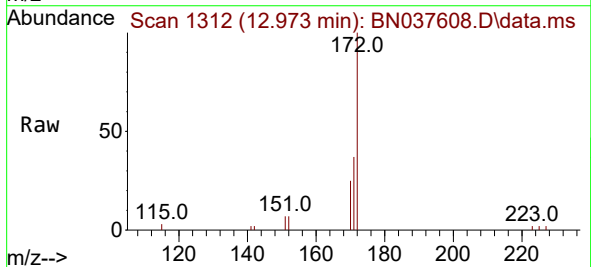
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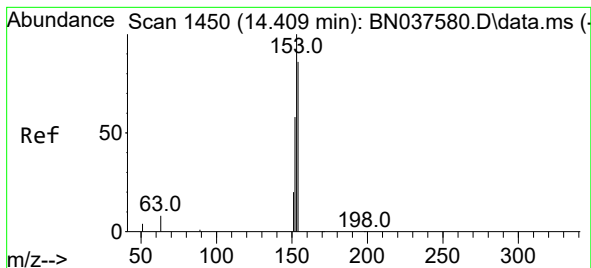
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:172 Resp: 5552
Ion Ratio Lower Upper
172 100
171 37.0 28.2 42.4
170 24.6 19.2 28.8





#17

Acenaphthene

Concen: 0.077 ng

RT: 14.409 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

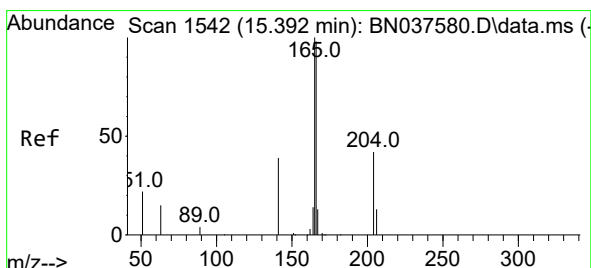
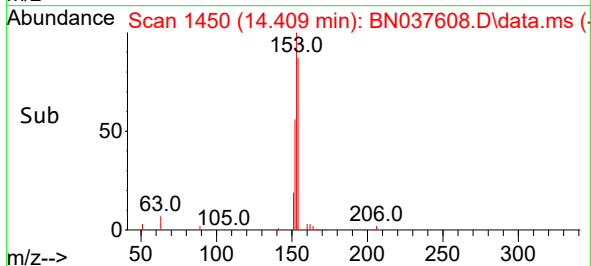
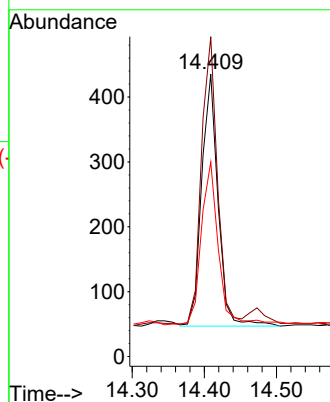
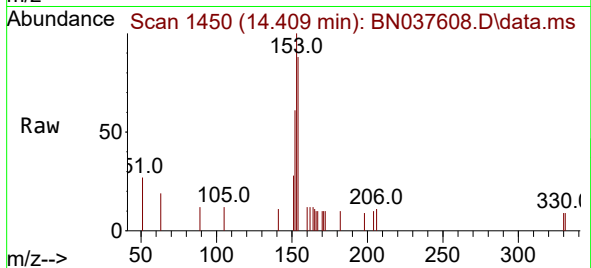
Tgt Ion:	154	Resp:	61
Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.6	135.8
152	66.6	54.9	82.3

Manual Integrations

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#18

Fluorene

Concen: 0.057 ng

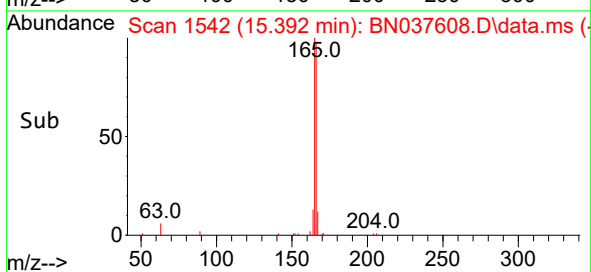
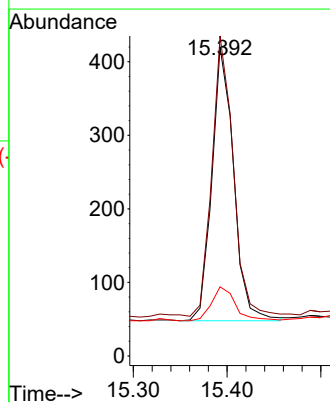
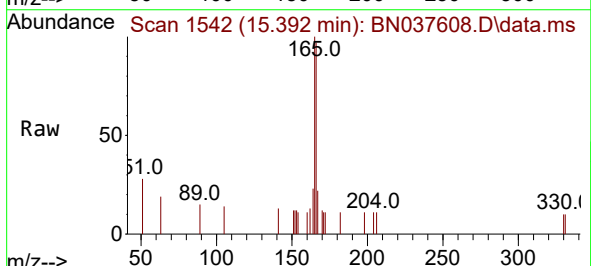
RT: 15.392 min Scan# 1542

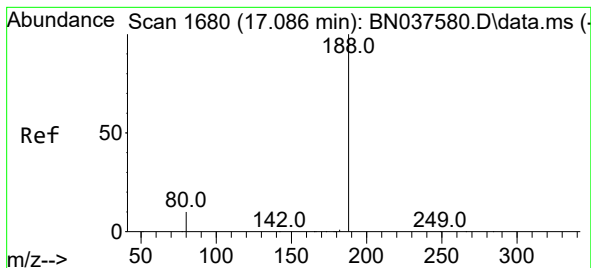
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:	166	Resp:	597
Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.9	118.3
167	13.6	10.7	16.1





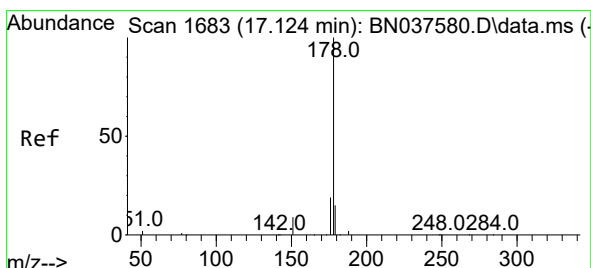
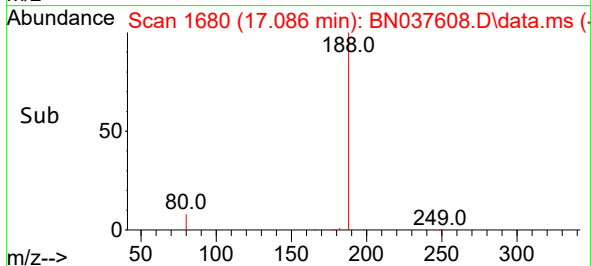
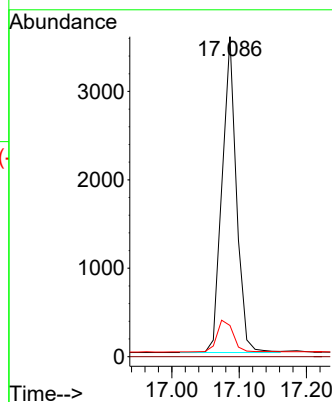
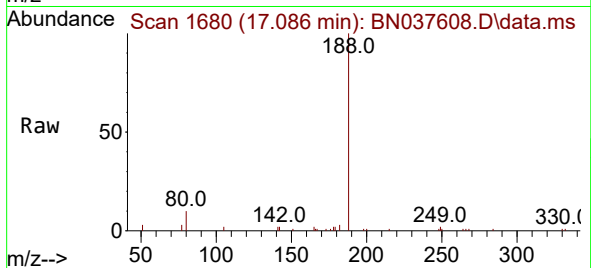
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:188 Resp: 5274
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 9.1 13.7

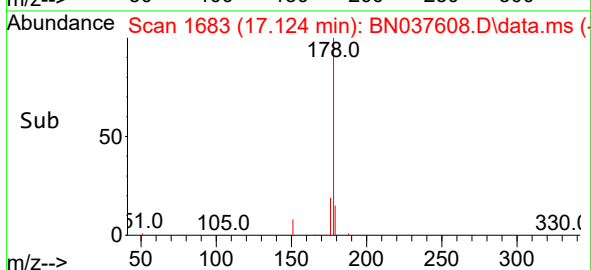
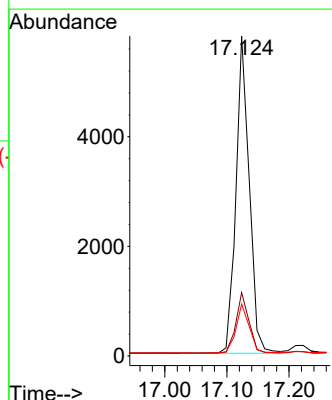
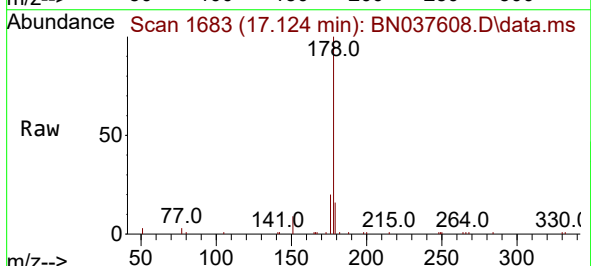
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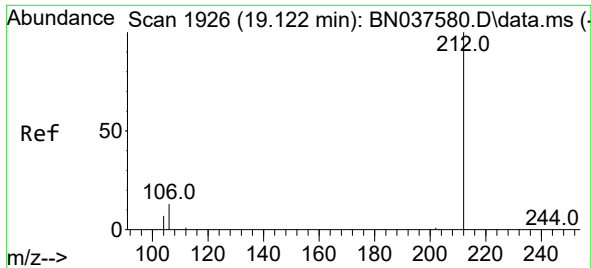
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#25
Phenanthrene
Concen: 0.536 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

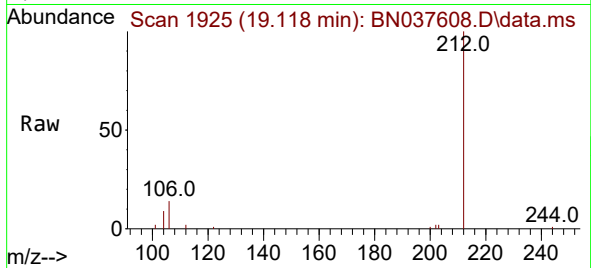
Tgt Ion:178 Resp: 8597
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

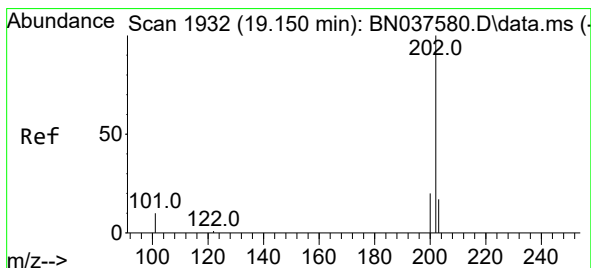
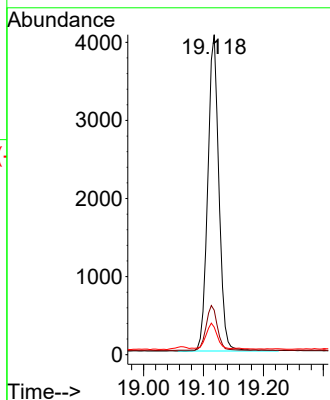
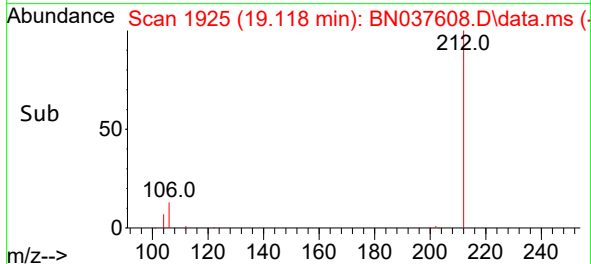
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:212 Resp: 5219
Ion Ratio Lower Upper
212 100
106 14.7 11.5 17.3
104 7.8 6.6 9.8

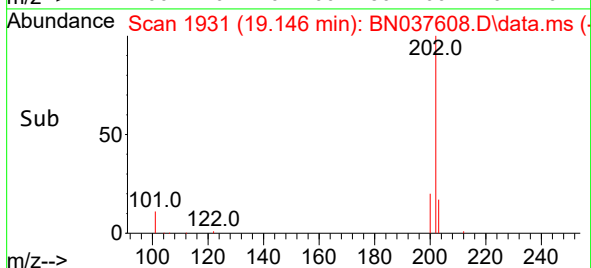
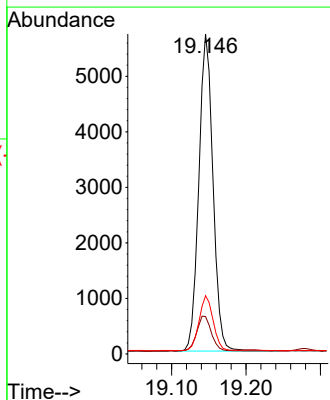
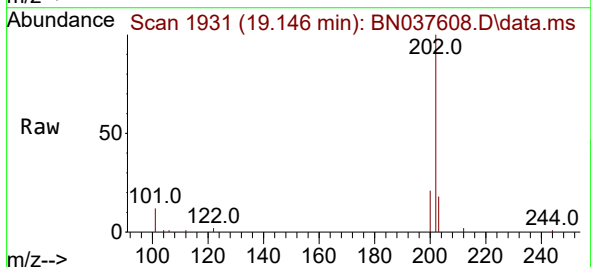
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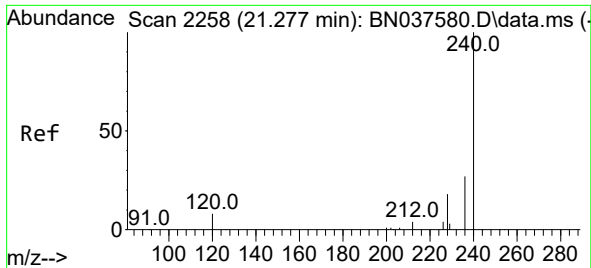
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:202 Resp: 7523
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.6
203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

Tgt Ion:240 Resp: 4630

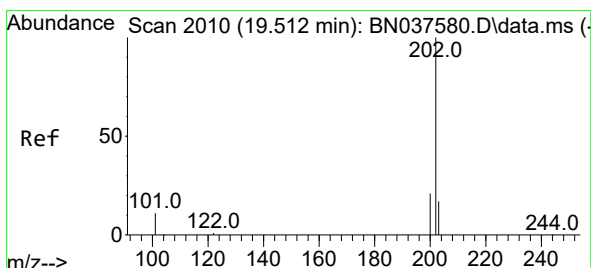
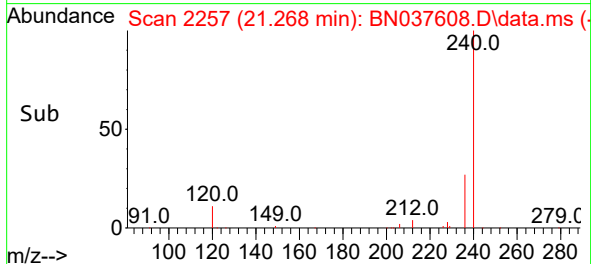
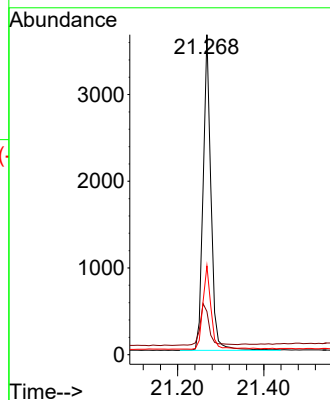
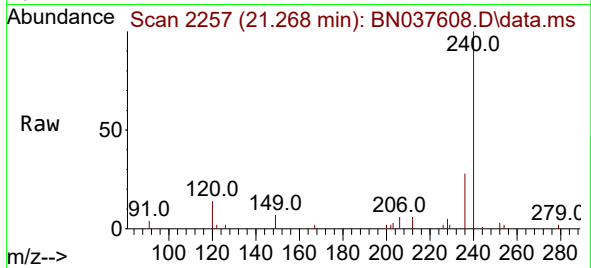
Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.9	13.3
236	27.8	22.6	33.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#30

Pyrene

Concen: 0.289 ng

RT: 19.508 min Scan# 2009

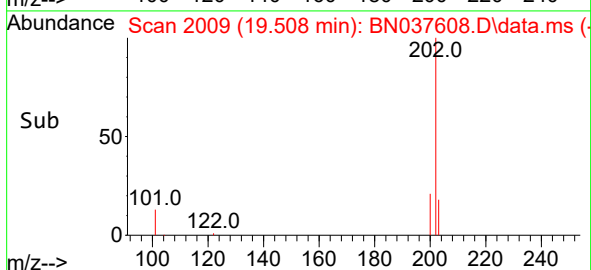
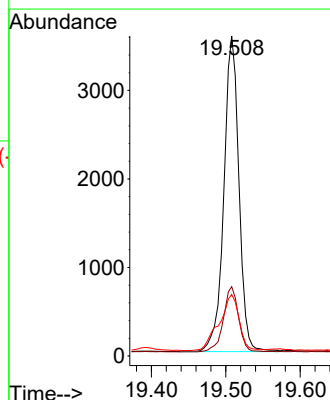
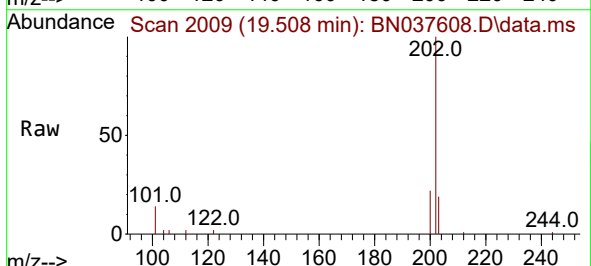
Delta R.T. -0.005 min

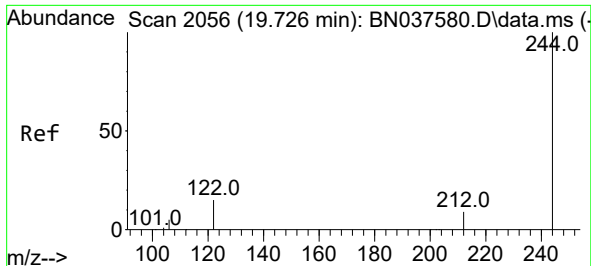
Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:202 Resp: 5017

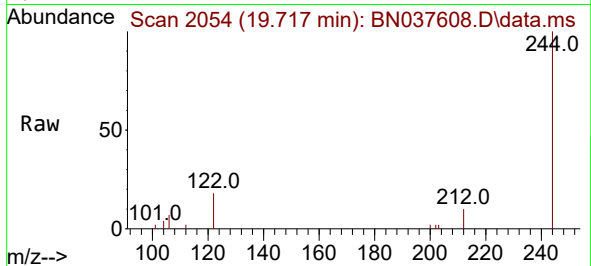
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	23.3	14.3	21.5





#31
Terphenyl-d14
Concen: 0.479 ng
RT: 19.717 min Scan# 2056
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

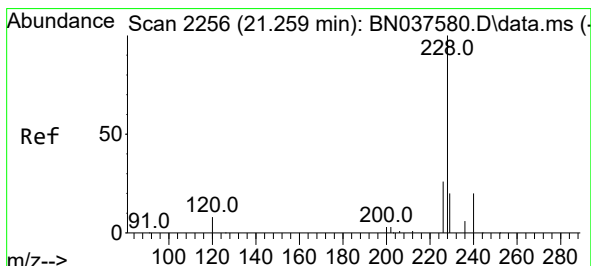
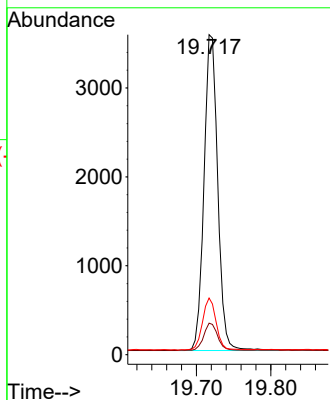
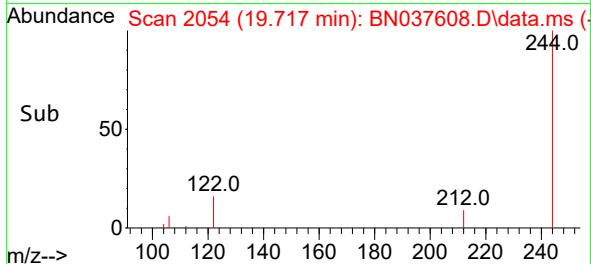
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:244 Resp: 457
Ion Ratio Lower Upper
244 100
212 9.8 8.2 12.2
122 17.7 13.2 19.8

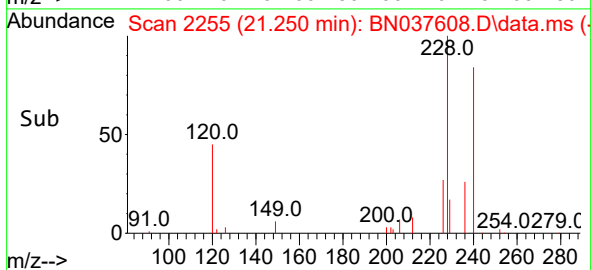
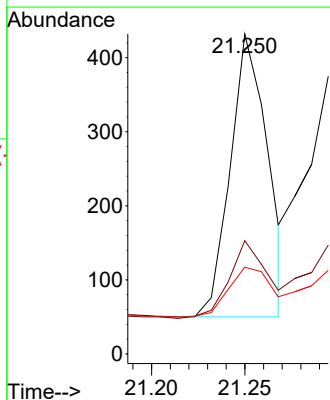
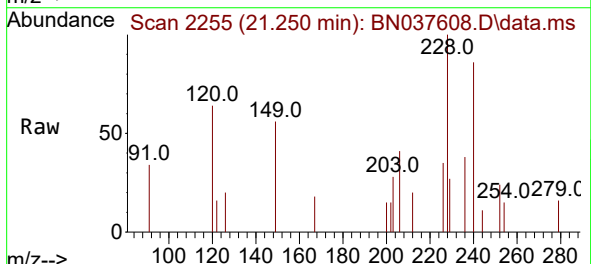
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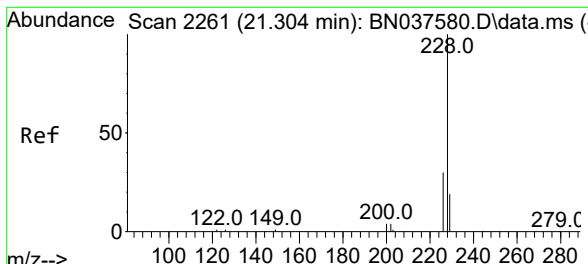
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#32
Benzo(a)anthracene
Concen: 0.035 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 535
Ion Ratio Lower Upper
228 100
226 35.4 21.5 32.3#
229 27.1 16.5 24.7#



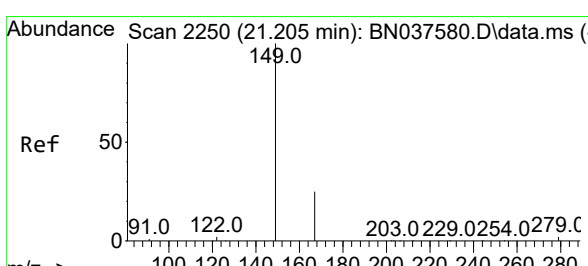
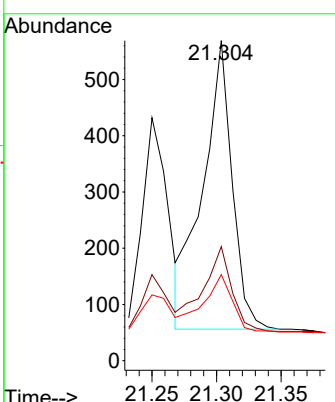
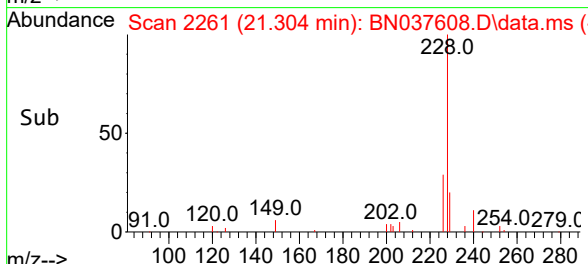
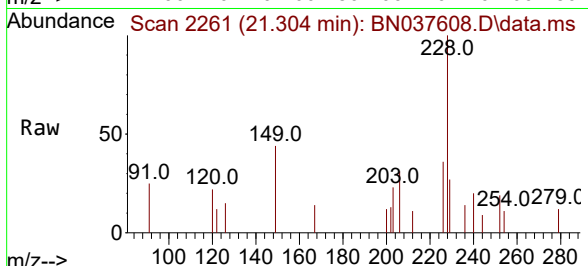


#33
 Chrysene
 Concen: 0.047 ng m
 RT: 21.304 min Scan# 2126
 Delta R.T. 0.000 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

Instrument : BNA_N
 ClientSampleId : MW-19B-71.5-081325

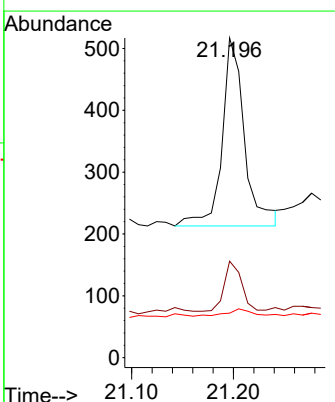
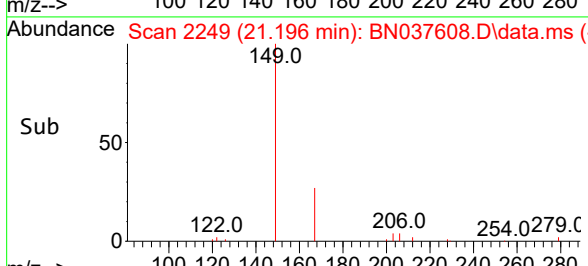
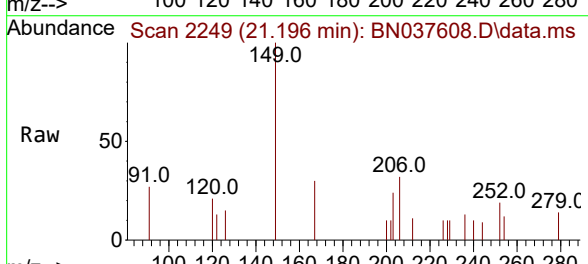
Tgt Ion:	228	Resp:	81
Ion Ratio	Lower	Upper	
228	100		
226	35.7	24.9	37.3
229	26.9	15.8	23.8

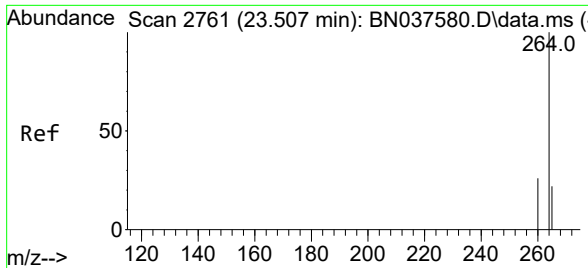
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 Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.073 ng
 RT: 21.196 min Scan# 2249
 Delta R.T. -0.009 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

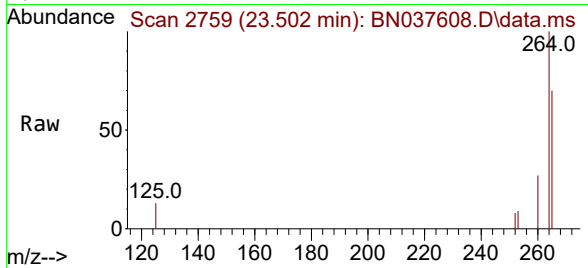
Tgt Ion:	149	Resp:	466
Ion Ratio	Lower	Upper	
149	100		
167	20.6	20.5	30.7
279	4.3	2.6	4.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:264 Resp: 4050
Ion Ratio Lower Upper
264 100
260 26.8 21.6 32.4
265 70.3 48.2 72.4

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Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

