

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
 Data File : BN037018.D
 Acq On : 14 May 2025 18:36
 Operator : RC/JU
 Sample : Q2012-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250509

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/15/2025
 Supervised By :Jagrut Upadhyay 05/15/2025

Quant Time: May 15 01:24:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1870	0.40	ng	0.00
7) Naphthalene-d8	10.393	136	5136	0.40	ng	#-0.01
13) Acenaphthene-d10	14.266	164	2975	0.40	ng	0.00
19) Phenanthrene-d10	17.008	188	6024	0.40	ng	# 0.00
29) Chrysene-d12	21.206	240	5042	0.40	ng	# 0.00
35) Perylene-d12	23.406	264	4333	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	726	0.15	ng	0.00
5) Phenol-d6	6.795	99	545	0.09	ng	0.00
8) Nitrobenzene-d5	8.771	82	1550	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	11.996	152	2021	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	393	0.30	ng	-0.01
15) 2-Fluorobiphenyl	12.883	172	3600	0.26	ng	0.00
27) Fluoranthene-d10	19.049	212	5943	0.36	ng	0.00
31) Terphenyl-d14	19.653	244	6383	0.59	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.046	178	428	0.02	ng	# 90
26) Anthracene	17.145	178	364	0.02	ng	96
28) Fluoranthene	19.077	202	1017	0.04	ng	# 50
30) Pyrene	19.439	202	1047	0.05	ng	99
32) Benzo(a)anthracene	21.188	228	1392	0.07	ng	93
33) Chrysene	21.242	228	1828	0.09	ng	97
34) Bis(2-ethylhexyl)phtha...	21.135	149	7263	0.62	ng	99
36) Indeno(1,2,3-cd)pyrene	25.617	276	1470	0.08	ng	98
37) Benzo(b)fluoranthene	22.749	252	1324	0.07	ng	# 61
38) Benzo(k)fluoranthene	22.792	252	1515m	0.09	ng	
39) Benzo(a)pyrene	23.313	252	1115	0.07	ng	# 55
40) Dibenzo(a,h)anthracene	25.637	278	1211	0.09	ng	# 67
41) Benzo(g,h,i)perylene	26.295	276	1249	0.08	ng	# 83

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

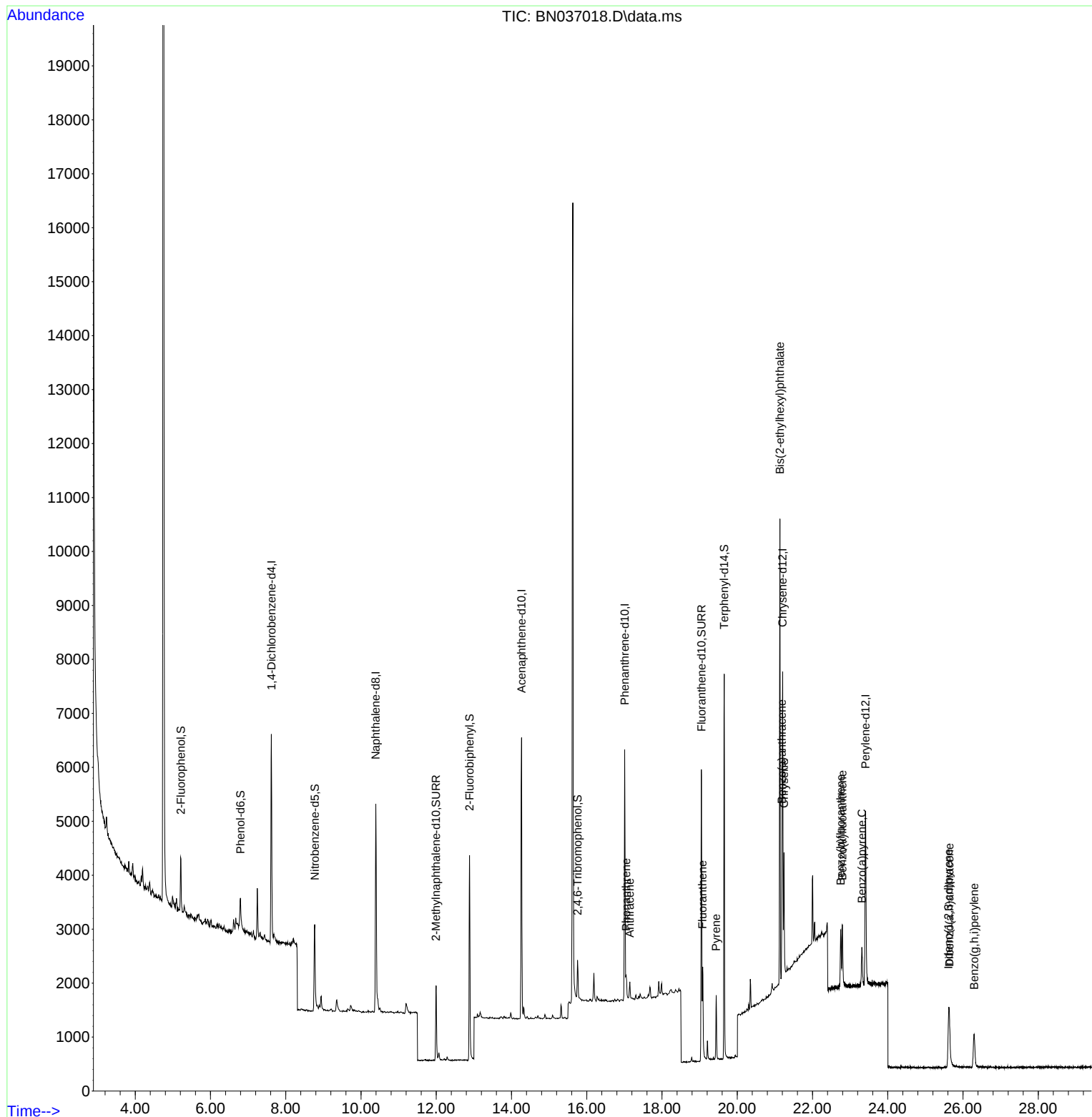
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
Data File : BN037018.D
Acq On : 14 May 2025 18:36
Operator : RC/JU
Sample : Q2012-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

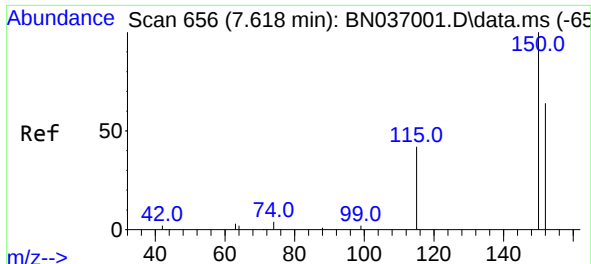
Instrument :
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Quant Time: May 15 01:24:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
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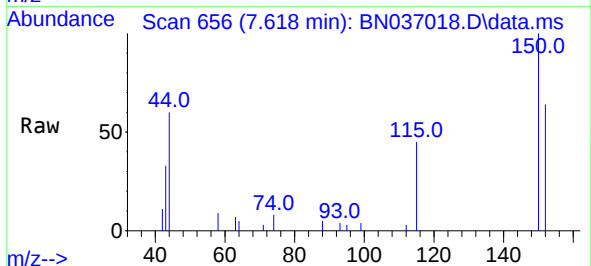
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.618 min Scan# 656
Delta R.T. 0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

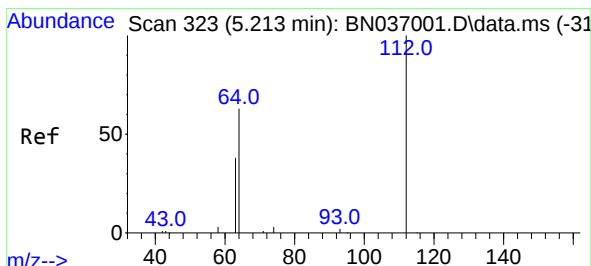
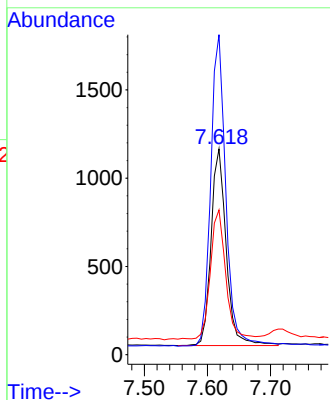
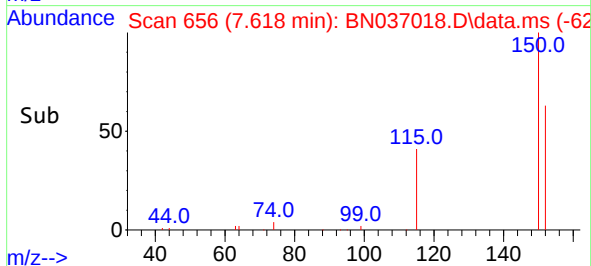
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



Tgt Ion:152 Resp: 1870
Ion Ratio Lower Upper
152 100
150 155.5 123.9 185.9
115 70.4 55.8 83.8

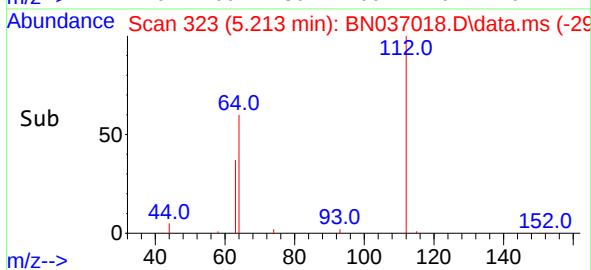
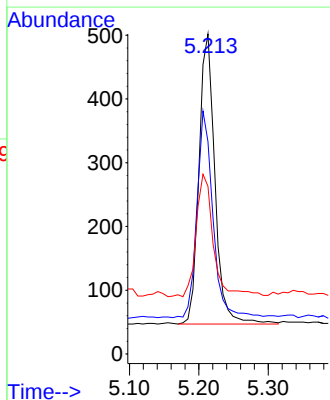
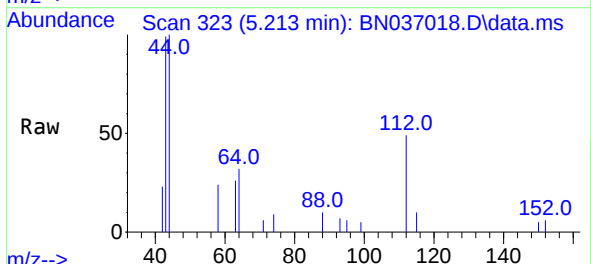
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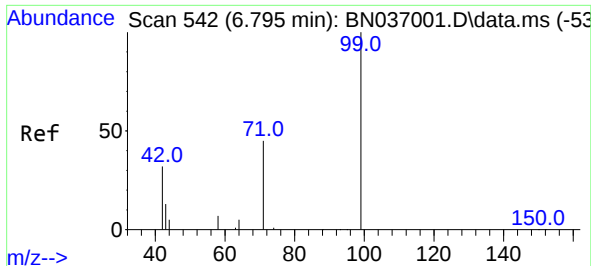
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

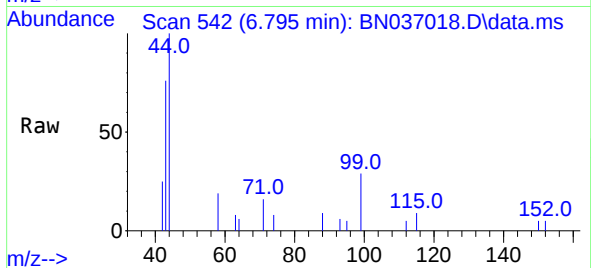
Tgt Ion:112 Resp: 726
Ion Ratio Lower Upper
112 100
64 71.2 55.7 83.5
63 44.5 34.6 51.8





#5
Phenol-d6
Concen: 0.09 ng
RT: 6.795 min Scan# 542
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

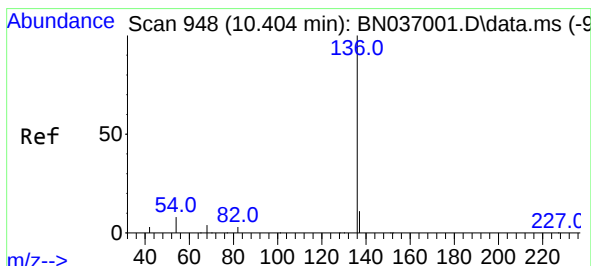
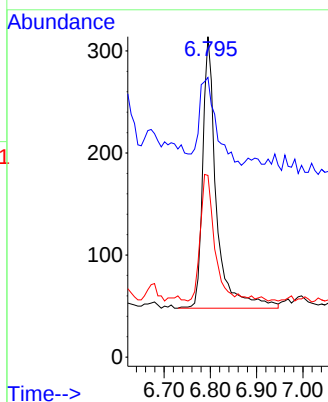
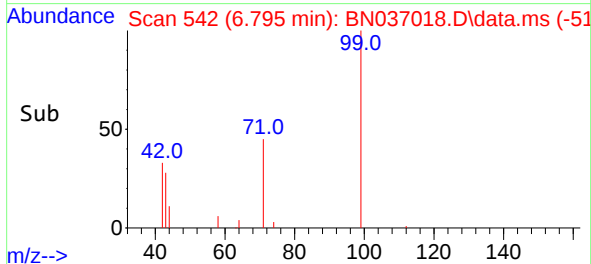
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



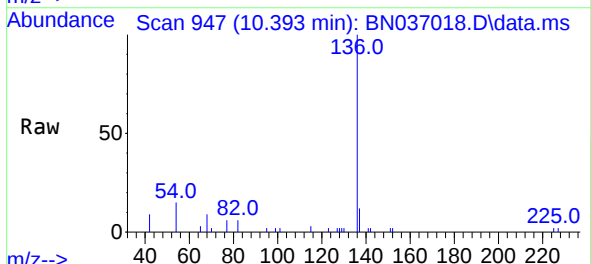
Tgt Ion: 99 Resp: 549
Ion Ratio Lower Upper
99 100
42 39.6 29.3 43.9
71 50.6 35.7 53.5

Manual Integrations
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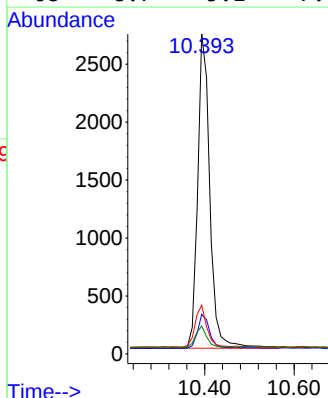
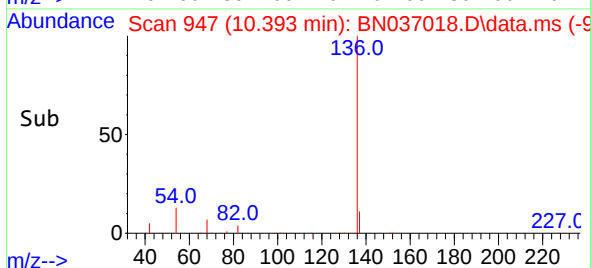
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

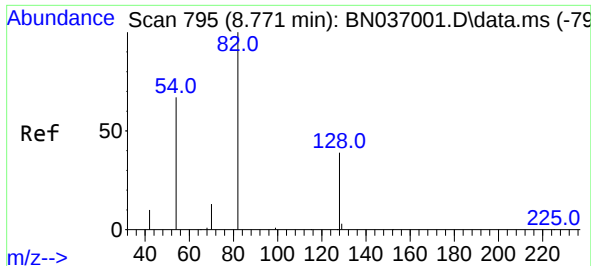


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.393 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



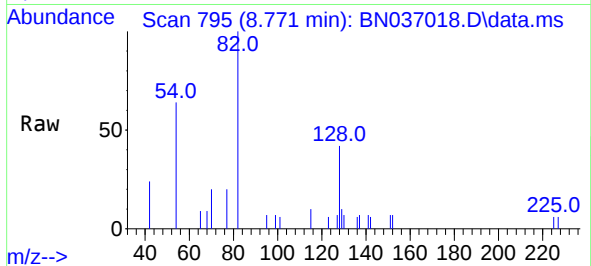
Tgt Ion:136 Resp: 5136
Ion Ratio Lower Upper
136 100
137 12.4 10.4 15.6
54 15.2 8.5 12.7#
68 8.7 5.1 7.7#





#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

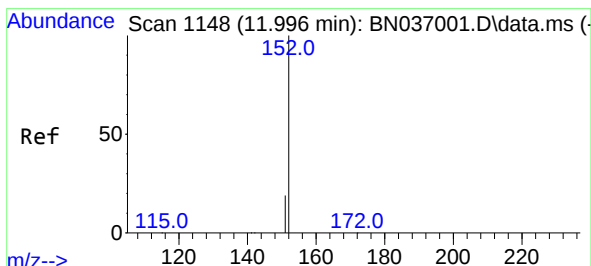
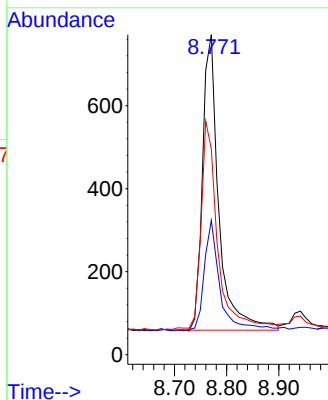
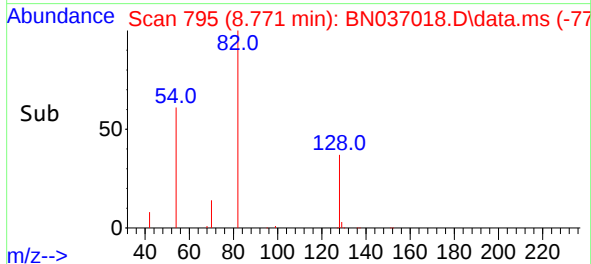
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



Tgt Ion: 82 Resp: 1550
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 64.3 55.0 82.4

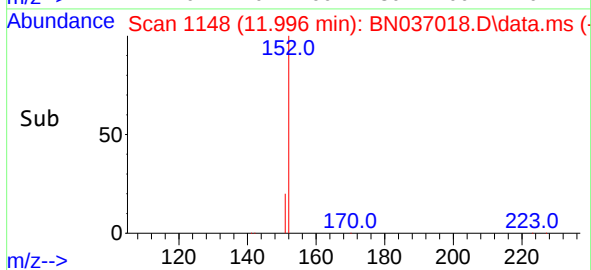
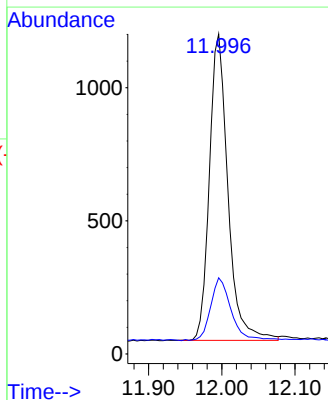
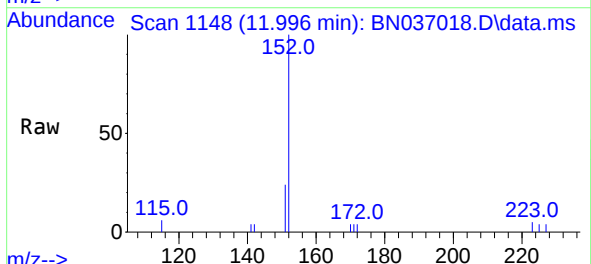
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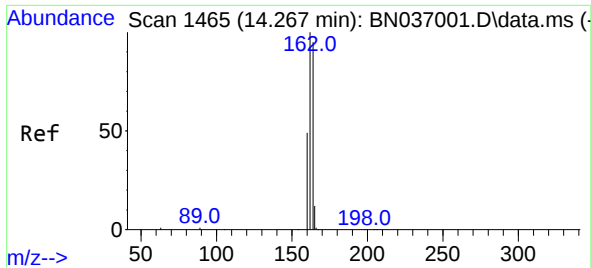
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#11
2-Methylnaphthalene-d10
Concen: 0.28 ng
RT: 11.996 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

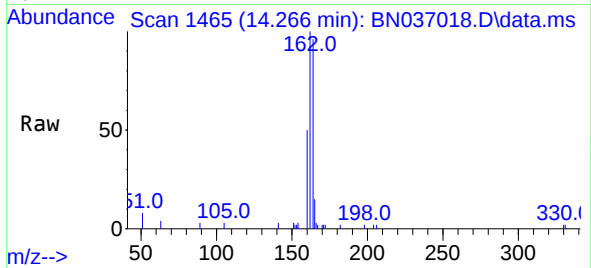
Tgt Ion:152 Resp: 2021
Ion Ratio Lower Upper
152 100
151 23.4 17.5 26.3





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.266 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

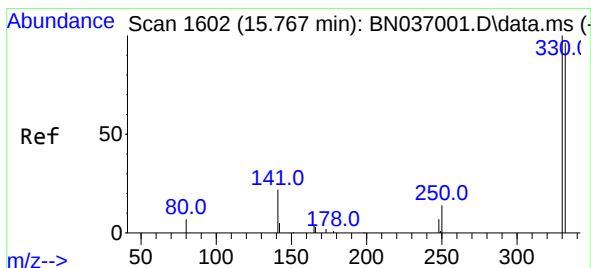
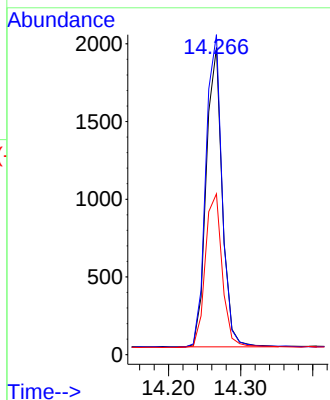
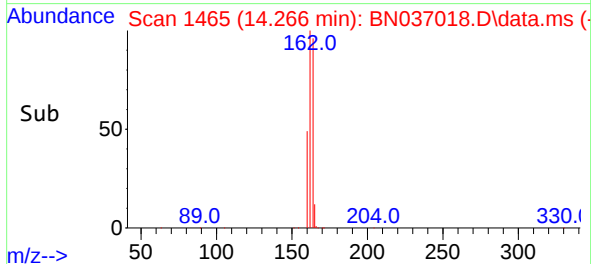
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



Tgt Ion:164 Resp: 297
Ion Ratio Lower Upper
164 100
162 104.2 84.2 126.4
160 52.4 42.6 63.8

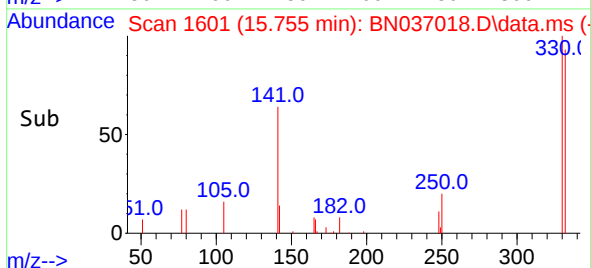
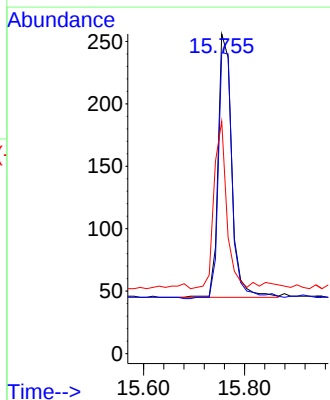
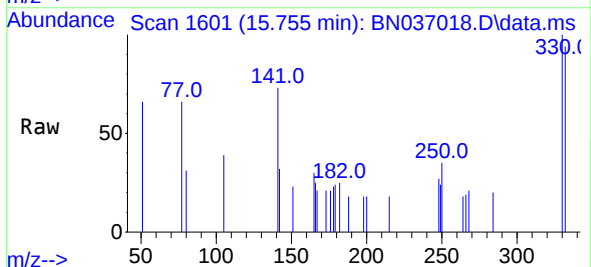
Manual Integrations
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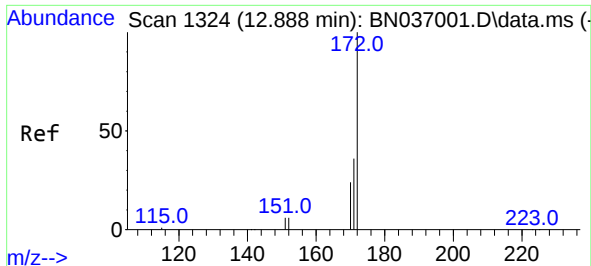
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#14
2,4,6-Tribromophenol
Concen: 0.30 ng
RT: 15.755 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

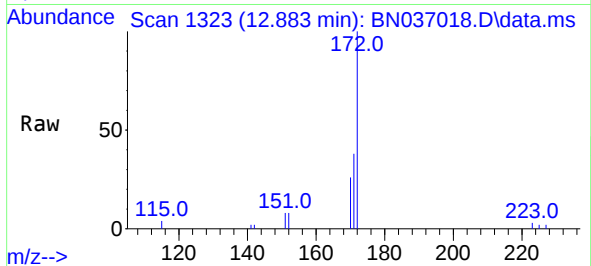
Tgt Ion:330 Resp: 393
Ion Ratio Lower Upper
330 100
332 96.7 73.8 110.8
141 59.0 43.9 65.9





#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 12.883 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

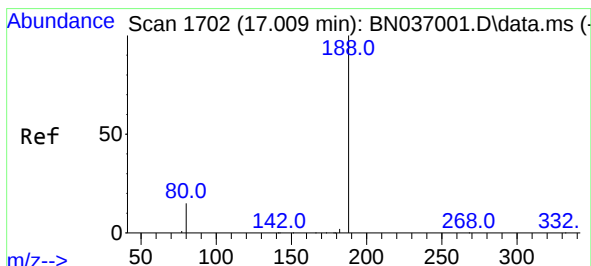
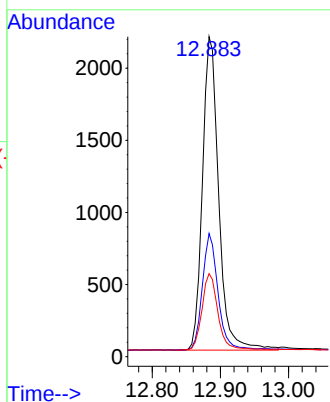
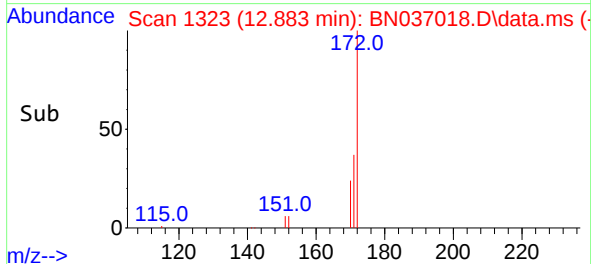
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:172 Resp: 3600
Ion Ratio Lower Upper
172 100
171 38.5 29.2 43.8
170 26.0 20.5 30.7

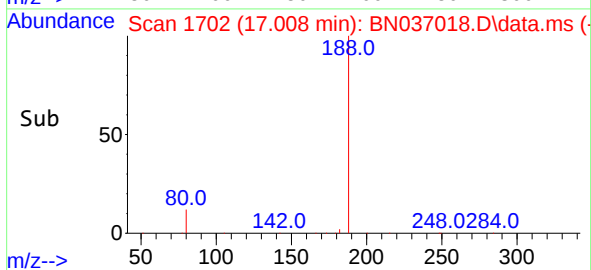
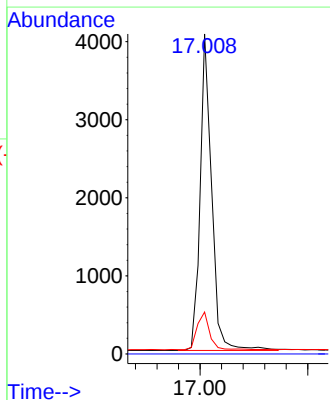
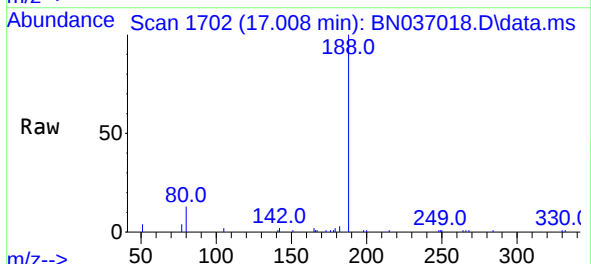
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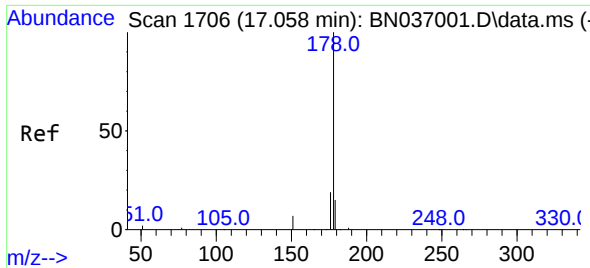
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.008 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Tgt Ion:188 Resp: 6024
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 13.4 20.0#





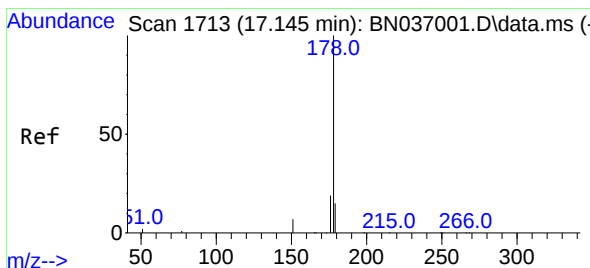
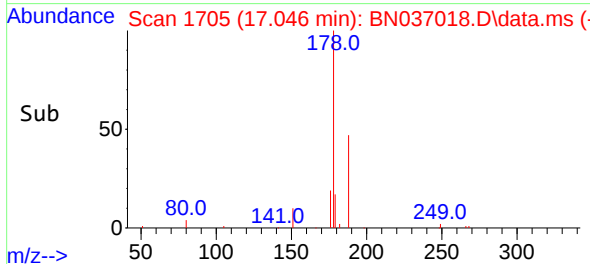
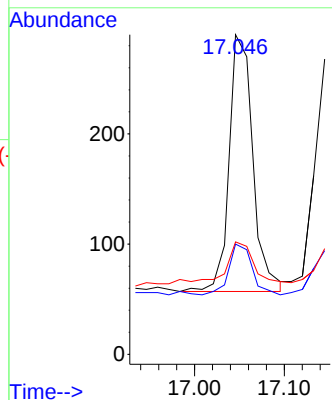
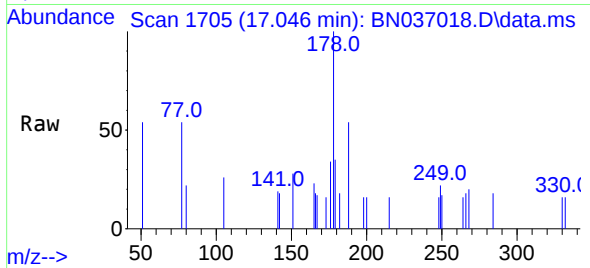
#25
Phenanthrene
Concen: 0.02 ng
RT: 17.046 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

Tgt Ion:178 Resp: 428
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 24.3 12.2 18.2

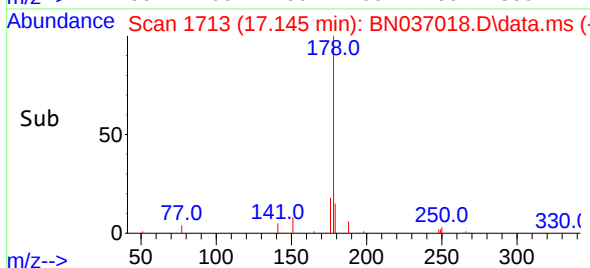
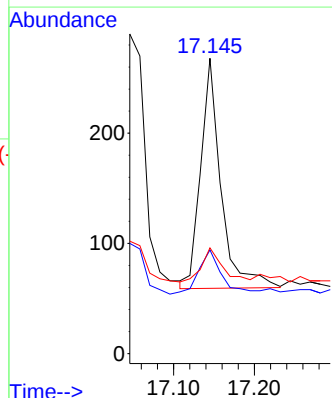
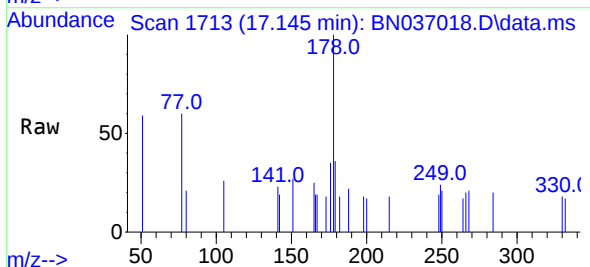
Manual Integrations
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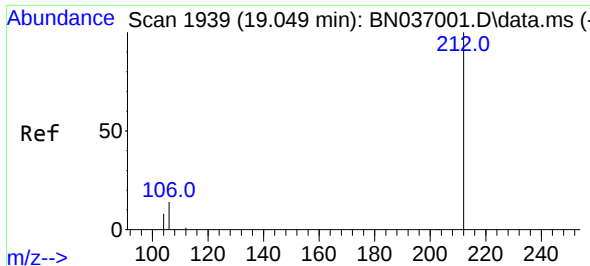
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#26
Anthracene
Concen: 0.02 ng
RT: 17.145 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

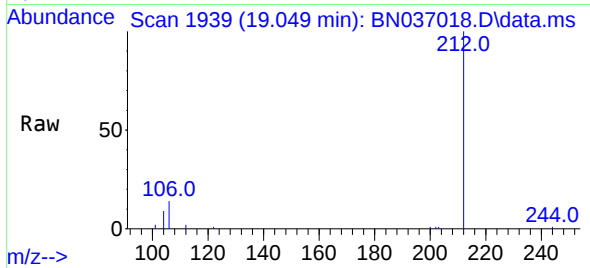
Tgt Ion:178 Resp: 364
Ion Ratio Lower Upper
178 100
176 22.0 15.0 22.6
179 15.1 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.36 ng
RT: 19.049 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

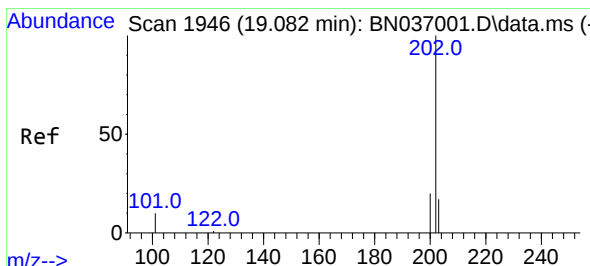
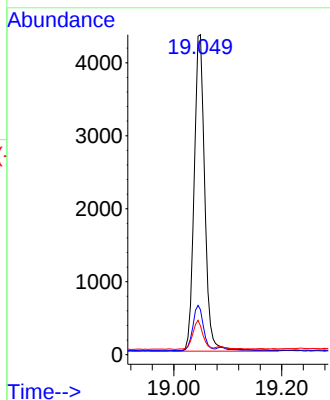
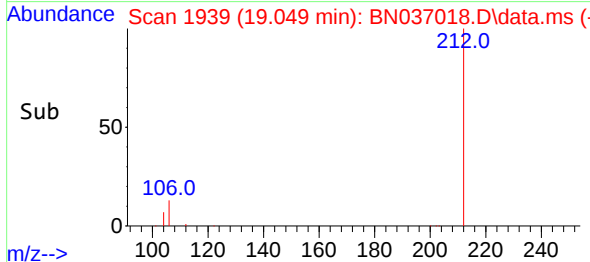
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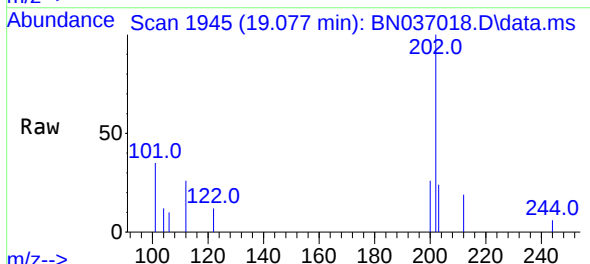
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Ion Ratio Lower Upper
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106 14.0 11.3 16.9
104 8.8 6.7 10.1

Manual Integrations
APPROVED

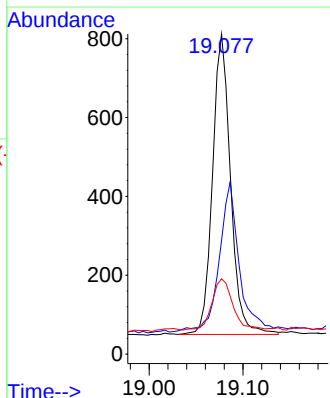
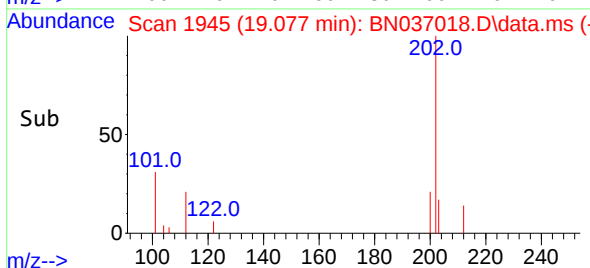
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

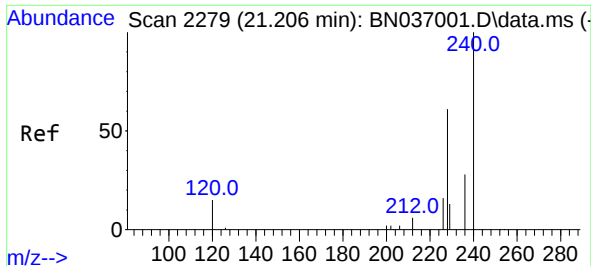


#28
Fluoranthene
Concen: 0.04 ng
RT: 19.077 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



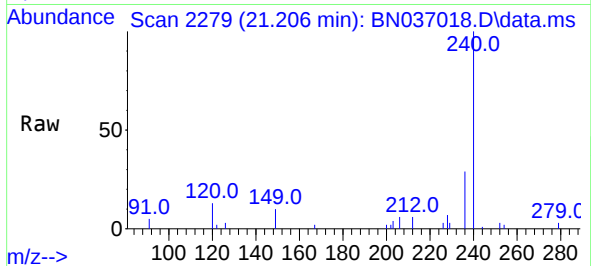
Tgt Ion:202 Resp: 1017
Ion Ratio Lower Upper
202 100
101 56.5 8.9 13.3#
203 19.8 13.8 20.8





#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.206 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

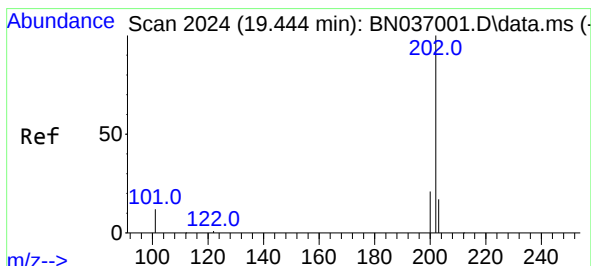
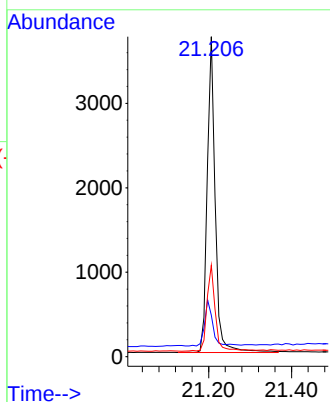
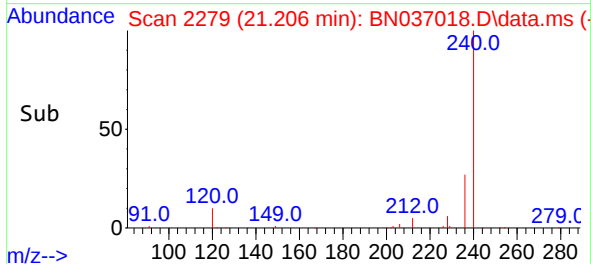
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



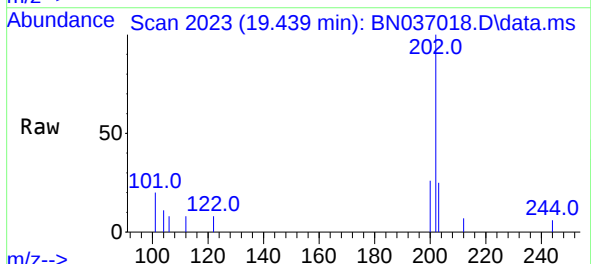
Tgt Ion:240 Resp: 504
Ion Ratio Lower Upper
240 100
120 13.0 15.1 22.7
236 28.5 24.0 36.0

Manual Integrations
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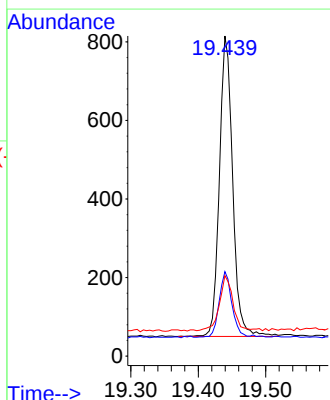
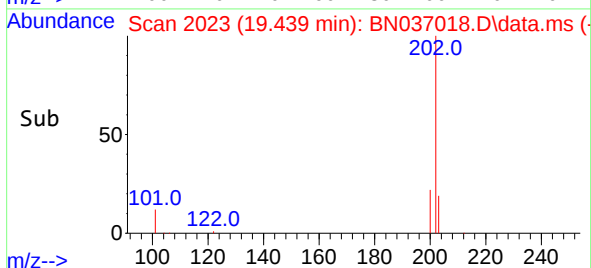
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

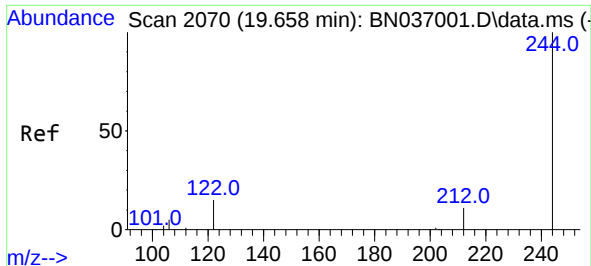


#30
Pyrene
Concen: 0.05 ng
RT: 19.439 min Scan# 2023
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



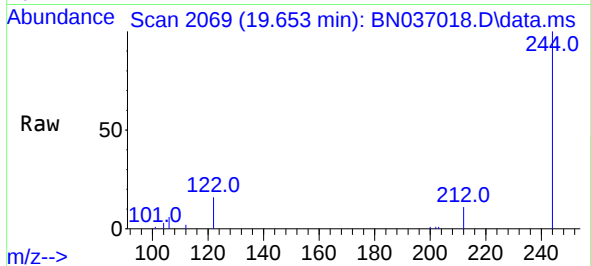
Tgt Ion:202 Resp: 1047
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.2 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.59 ng
 RT: 19.653 min Scan# 2070
 Delta R.T. -0.005 min
 Lab File: BN037018.D
 Acq: 14 May 2025 18:36

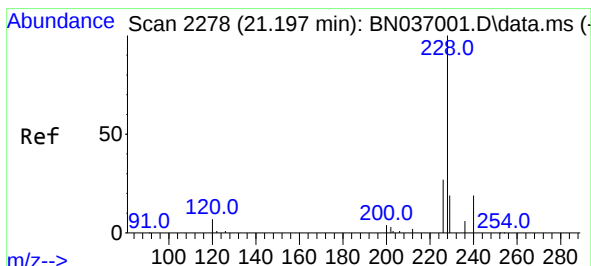
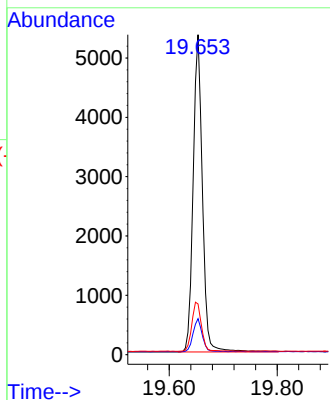
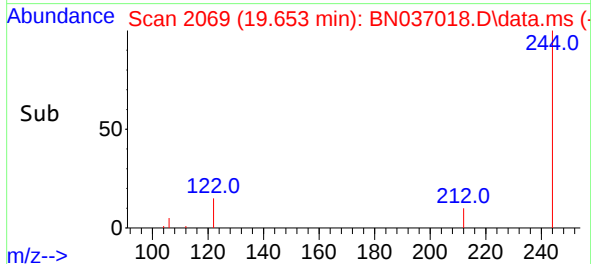
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250509



Tgt Ion:244 Resp: 638
 Ion Ratio Lower Upper
 244 100
 212 11.3 9.7 14.5
 122 15.9 13.4 20.0

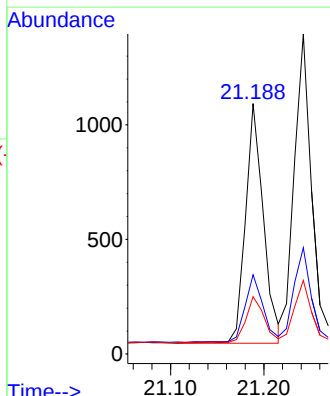
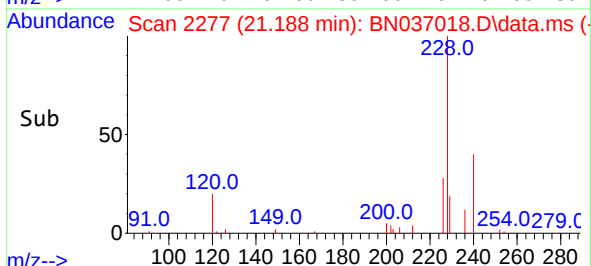
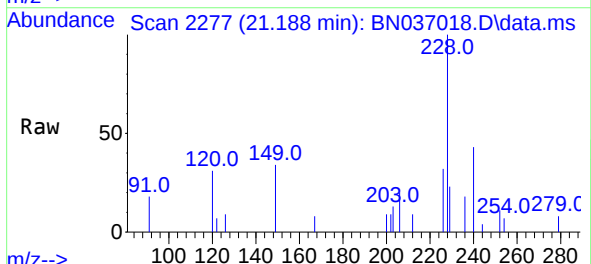
Manual Integrations
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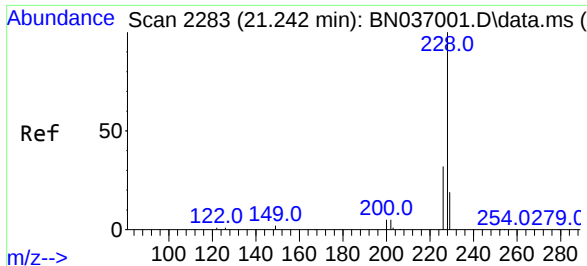
Reviewed By :Rahul Chavli 05/15/2025
 Supervised By :Jagrut Upadhyay 05/15/2025



#32
 Benzo(a)anthracene
 Concen: 0.07 ng
 RT: 21.188 min Scan# 2277
 Delta R.T. -0.009 min
 Lab File: BN037018.D
 Acq: 14 May 2025 18:36

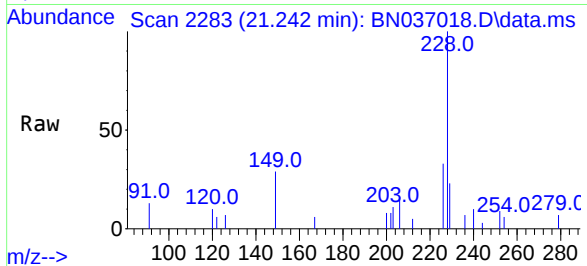
Tgt Ion:228 Resp: 1392
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.2 33.4
 229 22.9 16.0 24.0





#33
Chrysene
Concen: 0.09 ng
RT: 21.242 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

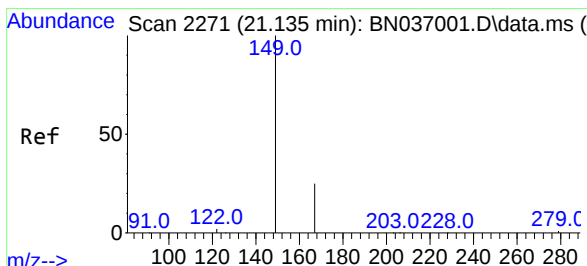
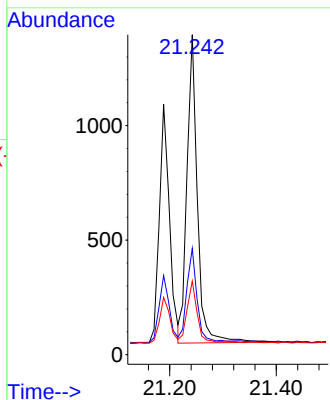
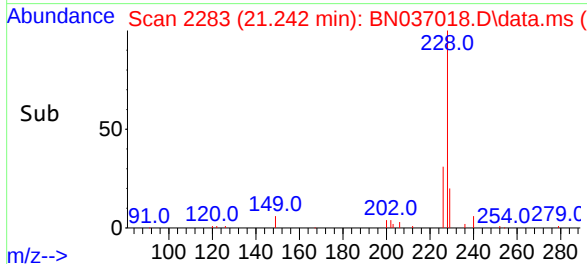
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



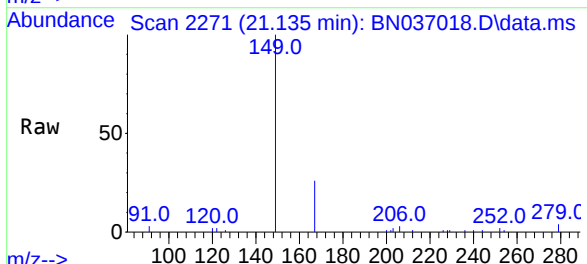
Tgt Ion:228 Resp: 1828
Ion Ratio Lower Upper
228 100
226 33.2 26.3 39.5
229 23.0 16.2 24.2

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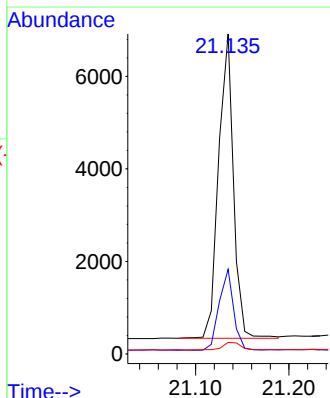
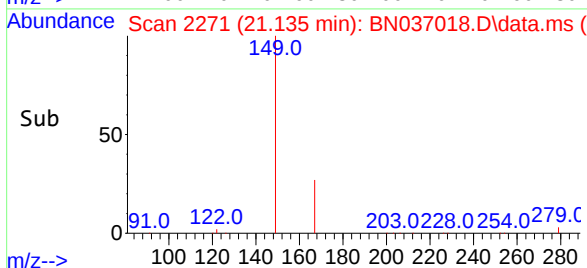
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

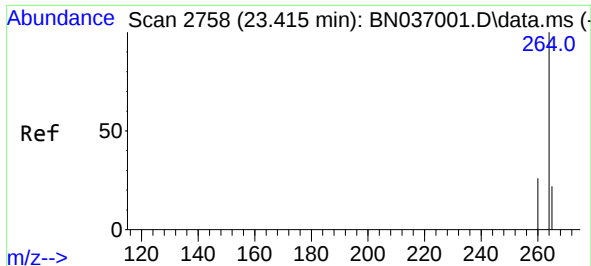


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.62 ng
RT: 21.135 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



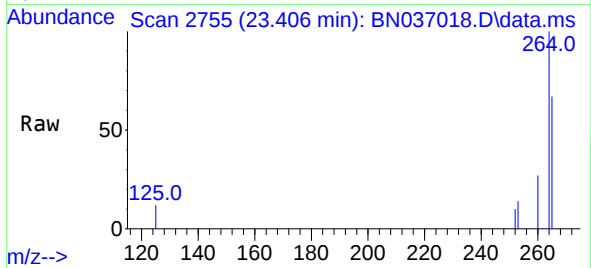
Tgt Ion:149 Resp: 7263
Ion Ratio Lower Upper
149 100
167 26.0 20.6 30.8
279 3.0 2.6 3.8





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.406 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

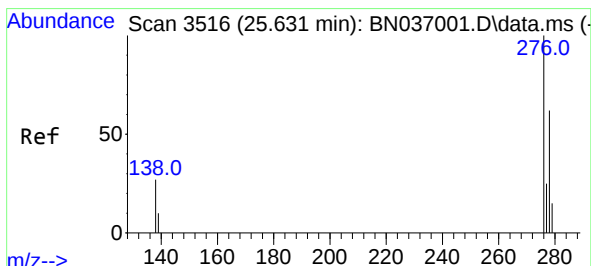
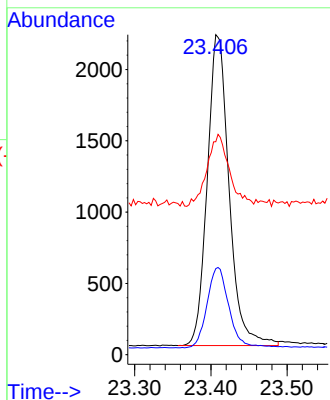
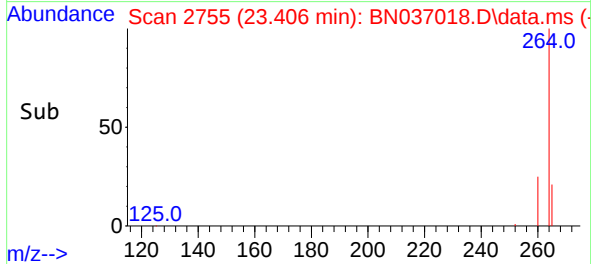
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



Tgt Ion:264 Resp: 433
Ion Ratio Lower Upper
264 100
260 26.9 21.9 32.9
265 66.6 51.6 77.4

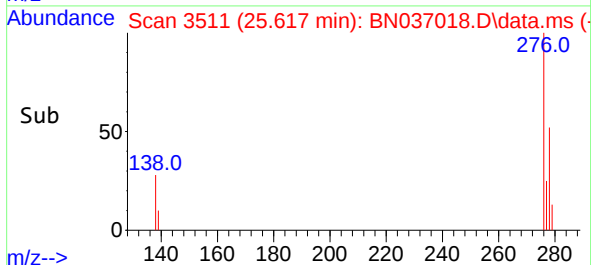
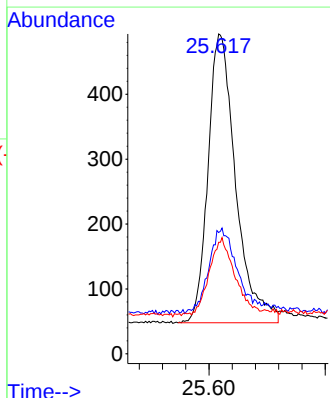
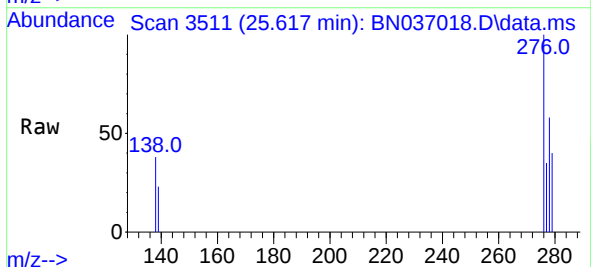
Manual Integrations
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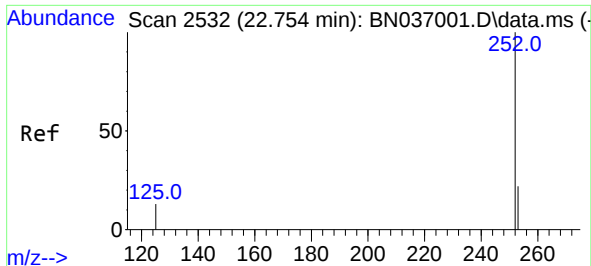
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.617 min Scan# 3511
Delta R.T. -0.015 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

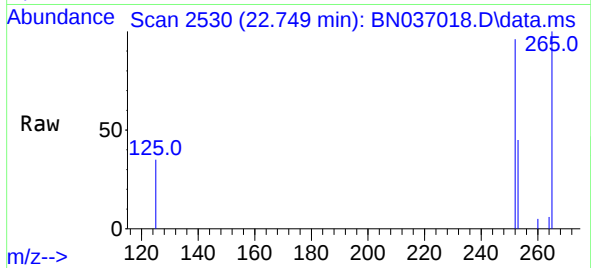
Tgt Ion:276 Resp: 1470
Ion Ratio Lower Upper
276 100
138 30.5 22.7 34.1
277 24.6 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.749 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

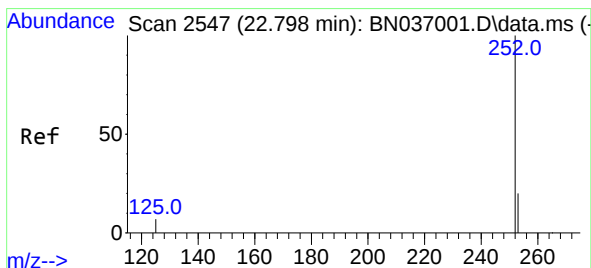
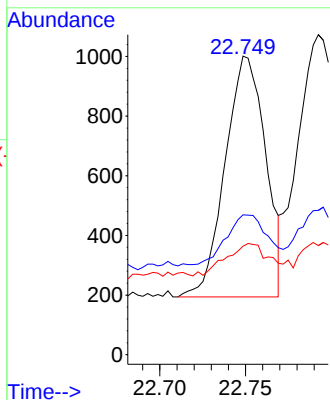
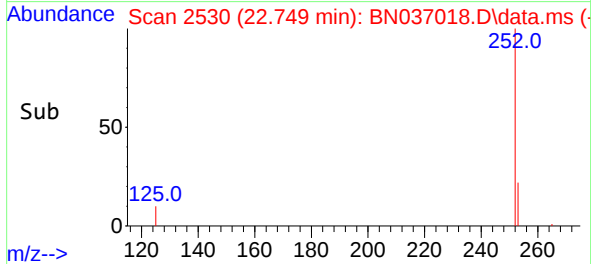
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



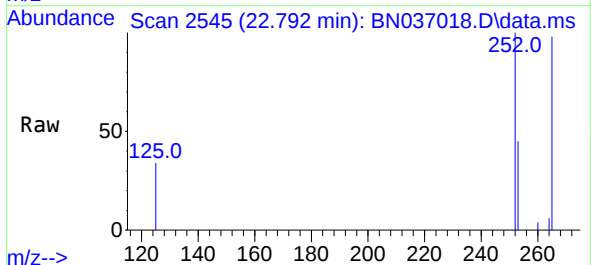
Tgt Ion:252 Resp: 1324
Ion Ratio Lower Upper
252 100
253 46.9 21.8 32.6
125 36.4 14.6 21.8

Manual Integrations
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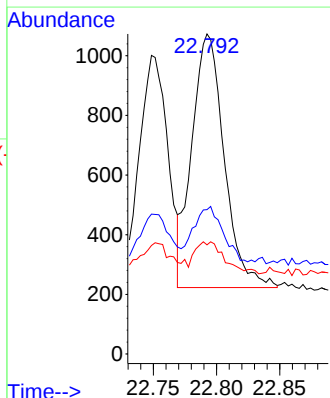
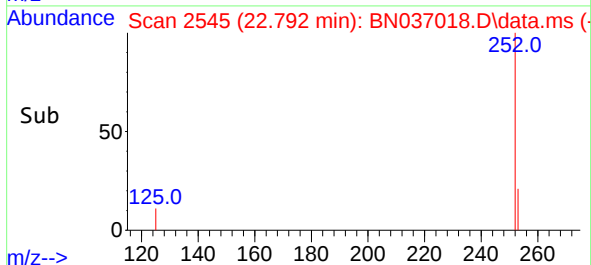
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

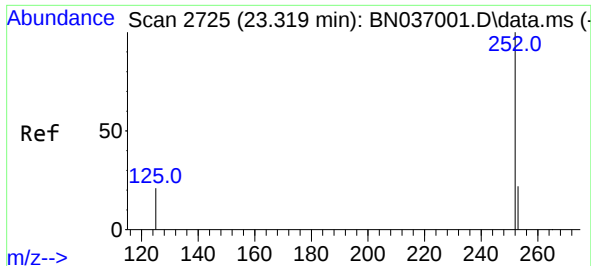


#38
Benzo(k)fluoranthene
Concen: 0.09 ng m
RT: 22.792 min Scan# 2545
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



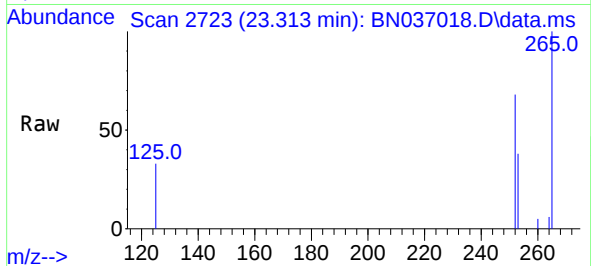
Tgt Ion:252 Resp: 1515
Ion Ratio Lower Upper
252 100
253 45.1 21.4 32.2#
125 34.1 13.0 19.4#





#39
Benzo(a)pyrene
Concen: 0.07 ng
RT: 23.313 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

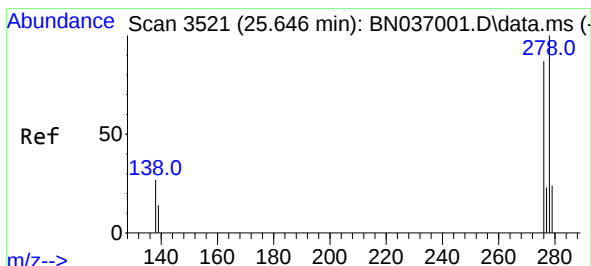
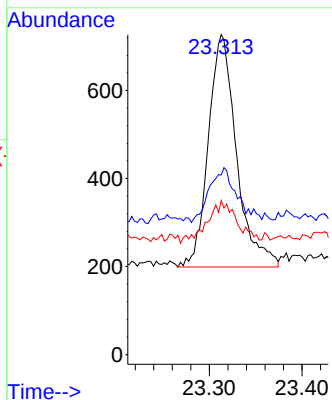
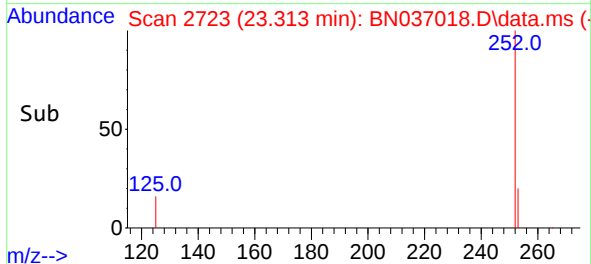
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



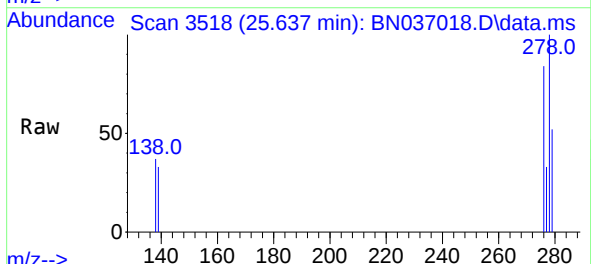
Tgt Ion:252 Resp: 1111
Ion Ratio Lower Upper
252 100
253 56.1 23.8 35.6
125 48.1 21.8 32.6

Manual Integrations
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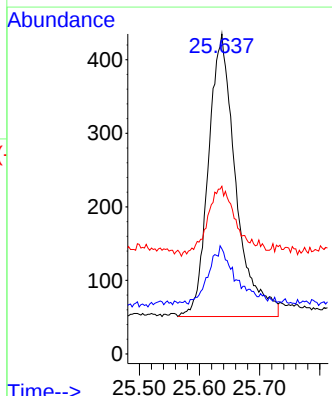
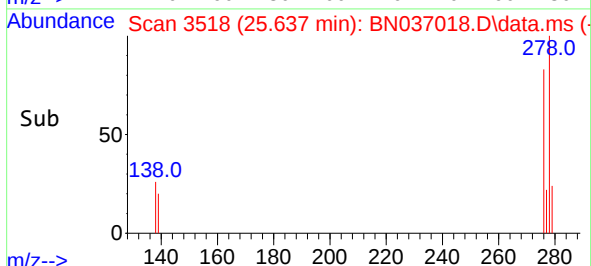
Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

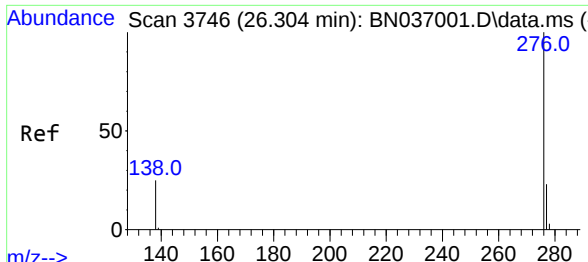


#40
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



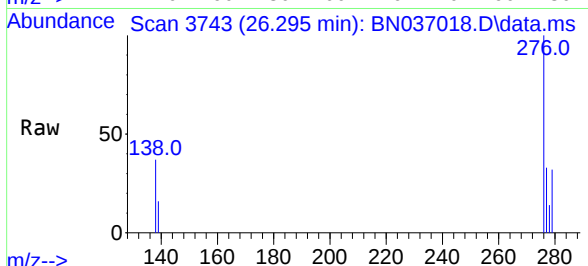
Tgt Ion:278 Resp: 1211
Ion Ratio Lower Upper
278 100
139 32.9 17.4 26.0#
279 52.4 24.6 37.0#





#41
Benzo(g,h,i)perylene
Concen: 0.08 ng
RT: 26.295 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



Tgt Ion:276 Resp: 1249
Ion Ratio Lower Upper
276 100
277 33.5 20.2 30.4
138 37.2 22.0 33.0

Manual Integrations
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Reviewed By :Rahul Chavli 05/15/2025
Supervised By :Jagrut Upadhyay 05/15/2025

