

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

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)

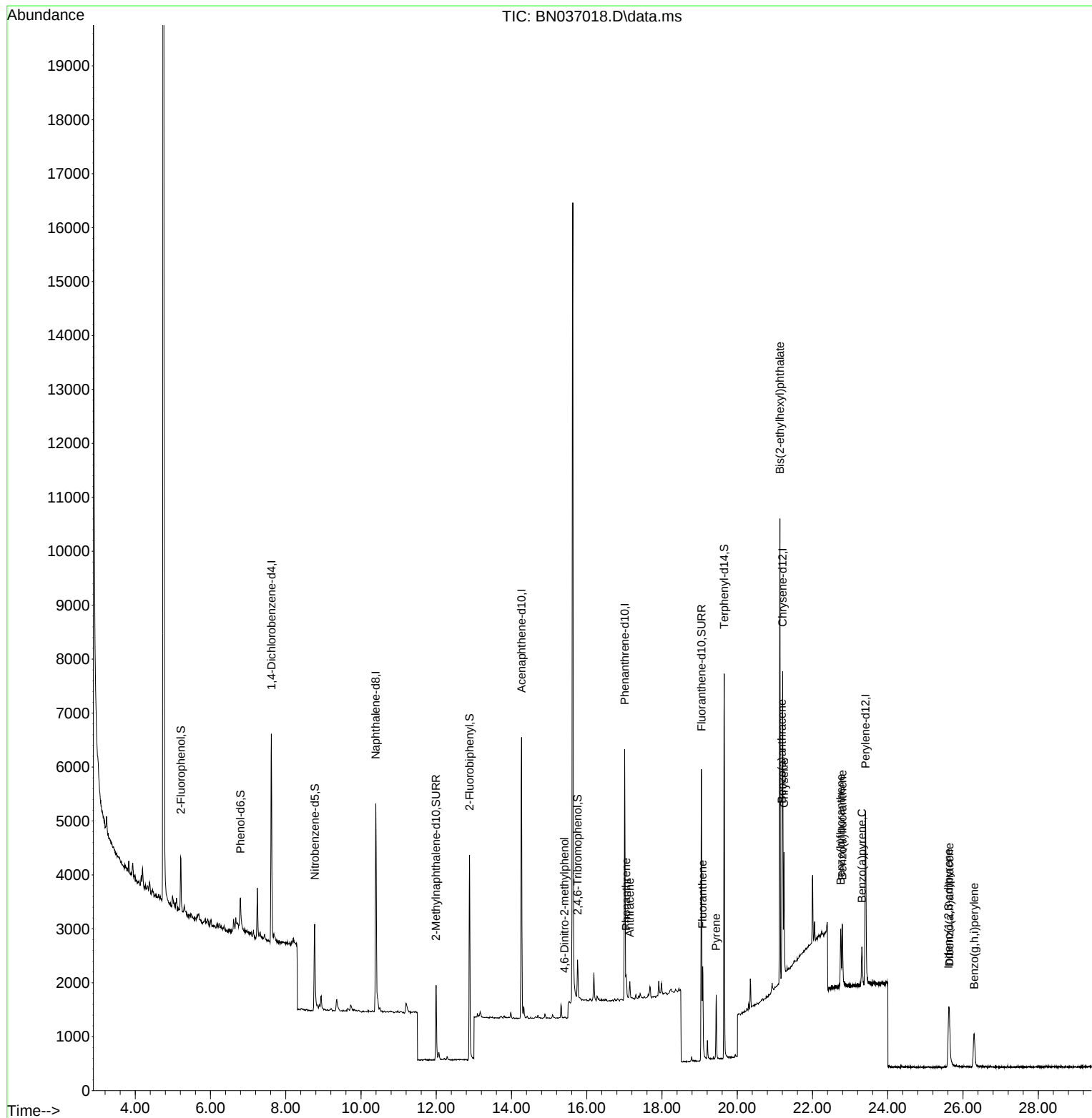
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1870	0.400	ng	0.00
7) Naphthalene-d8	10.393	136	5136	0.400	ng	#-0.01
13) Acenaphthene-d10	14.266	164	2975	0.400	ng	0.00
19) Phenanthrene-d10	17.008	188	6024	0.400	ng	# 0.00
29) Chrysene-d12	21.206	240	5042	0.400	ng	# 0.00
35) Perylene-d12	23.406	264	4333	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	726	0.148	ng	0.00
5) Phenol-d6	6.795	99	545	0.089	ng	0.00
8) Nitrobenzene-d5	8.771	82	1550	0.277	ng	0.00
11) 2-Methylnaphthalene-d10	11.996	152	2021	0.280	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	393	0.301	ng	-0.01
15) 2-Fluorobiphenyl	12.883	172	3600	0.264	ng	0.00
27) Fluoranthene-d10	19.049	212	5943	0.360	ng	0.00
31) Terphenyl-d14	19.653	244	6383	0.592	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.410	198	10	0.032	ng	# 1
25) Phenanthrene	17.046	178	428	0.022	ng	# 90
26) Anthracene	17.145	178	364	0.020	ng	96
28) Fluoranthene	19.077	202	1017	0.043	ng	# 50
30) Pyrene	19.439	202	1047	0.049	ng	99
32) Benzo(a)anthracene	21.188	228	1392	0.073	ng	93
33) Chrysene	21.242	228	1828	0.091	ng	97
34) Bis(2-ethylhexyl)phtha...	21.135	149	7263	0.622	ng	99
36) Indeno(1,2,3-cd)pyrene	25.617	276	1470	0.083	ng	98
37) Benzo(b)fluoranthene	22.749	252	1324	0.074	ng	# 61
38) Benzo(k)fluoranthene	22.792	252	1485	0.084	ng	# 62
39) Benzo(a)pyrene	23.313	252	1115	0.073	ng	# 55
40) Dibenzo(a,h)anthracene	25.637	278	1211	0.088	ng	# 67
41) Benzo(g,h,i)perylene	26.295	276	1249	0.083	ng	# 83

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

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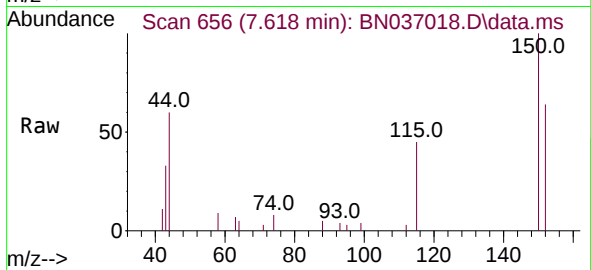
Quant Time: May 15 01:24:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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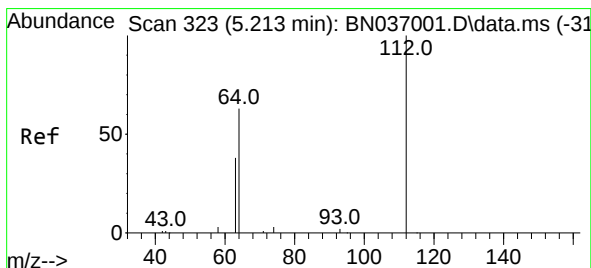
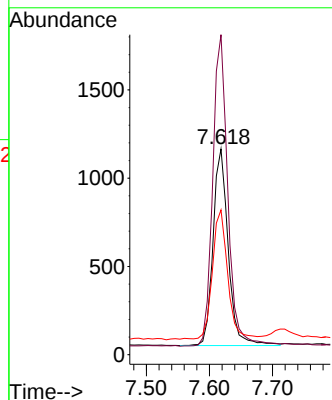
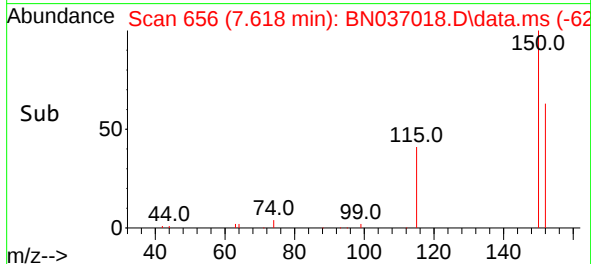


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

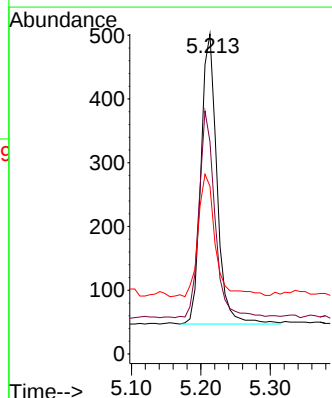
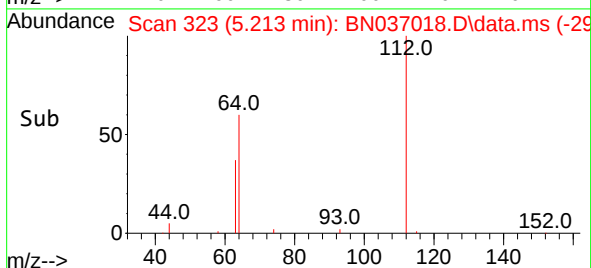
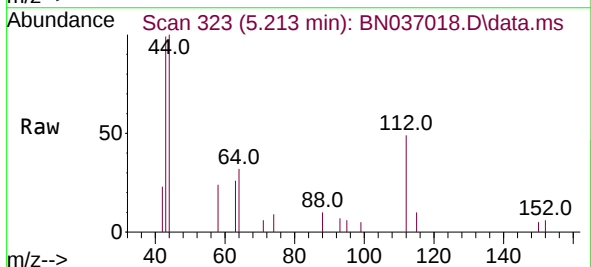


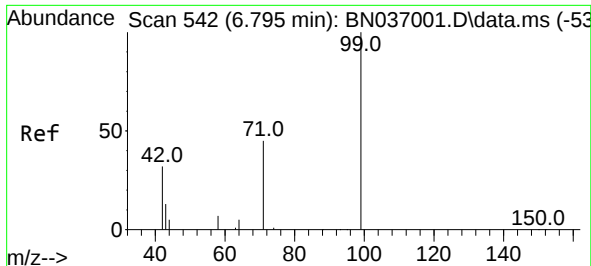
Tgt Ion:152 Resp: 1870
Ion Ratio Lower Upper
152 100
150 155.5 123.9 185.9
115 70.4 55.8 83.8



#4
2-Fluorophenol
Concen: 0.148 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

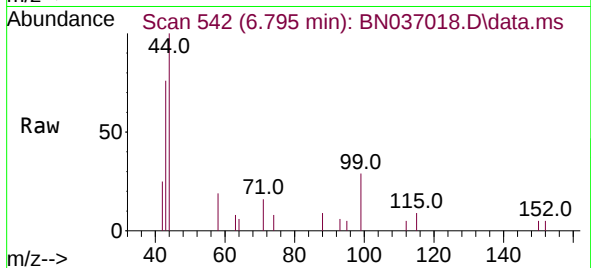
Tgt Ion:112 Resp: 726
Ion Ratio Lower Upper
112 100
64 71.2 55.7 83.5
63 44.5 34.6 51.8



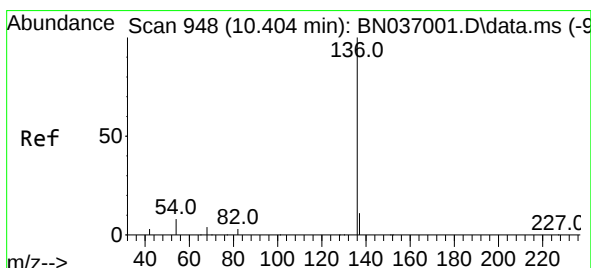
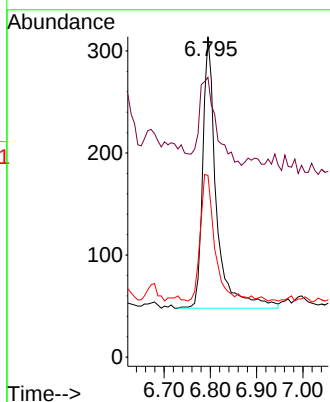
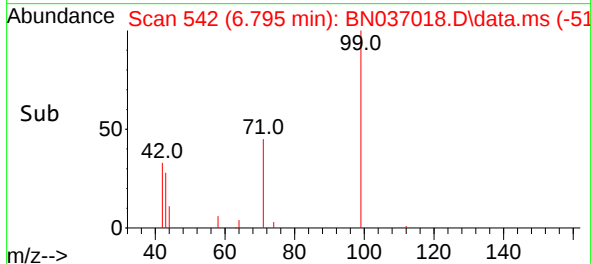


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.795 min Scan# 542
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

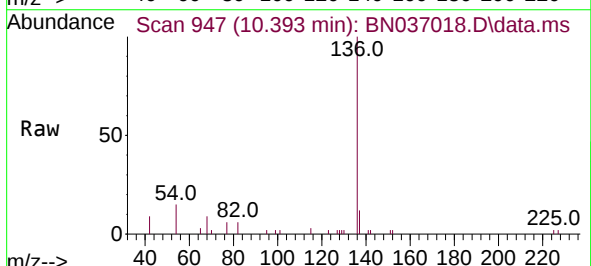
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509



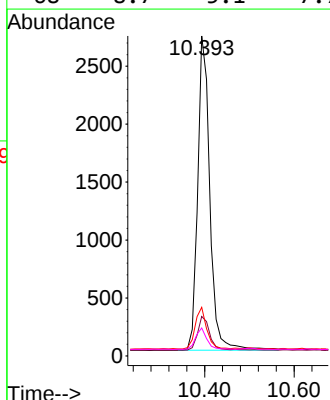
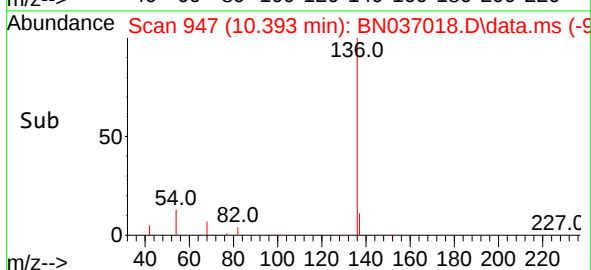
Tgt Ion	Ratio	Lower	Upper
99	100		
42	39.6	29.3	43.9
71	50.6	35.7	53.5

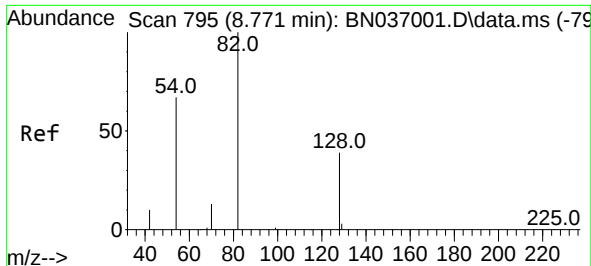


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.393 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36



Tgt Ion	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#

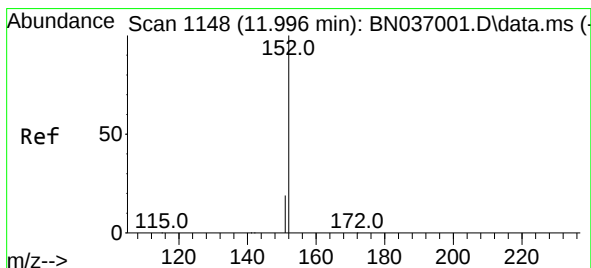
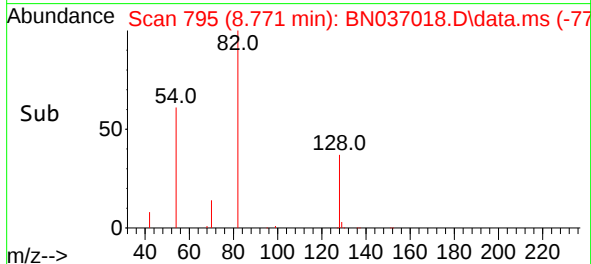
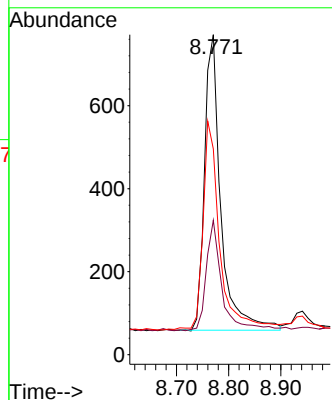
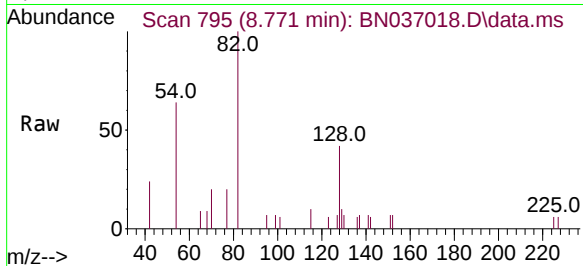




#8
 Nitrobenzene-d5
 Concen: 0.277 ng
 RT: 8.771 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: BN037018.D
 Acq: 14 May 2025 18:36

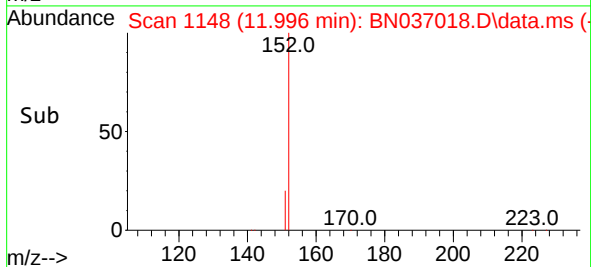
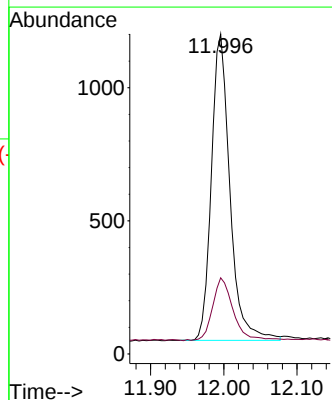
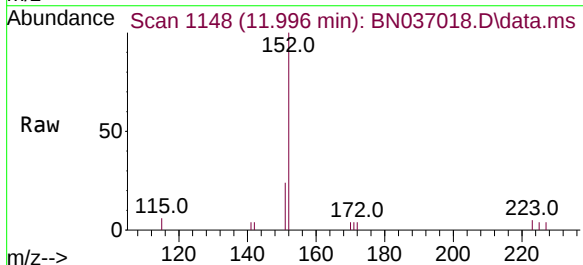
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP303-20250509

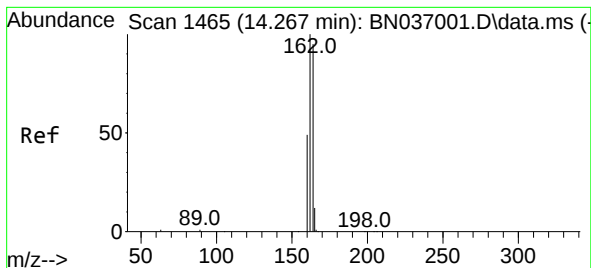
Tgt Ion:	82	Resp:	1550
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.0	51.0
54	64.3	55.0	82.4



#11
 2-Methylnaphthalene-d10
 Concen: 0.280 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: 0.400 ng

RT: 14.266 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN037018.D

Acq: 14 May 2025 18:36

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250509

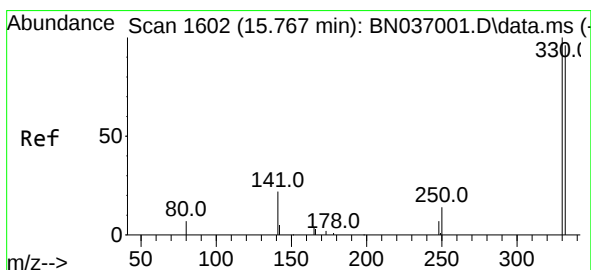
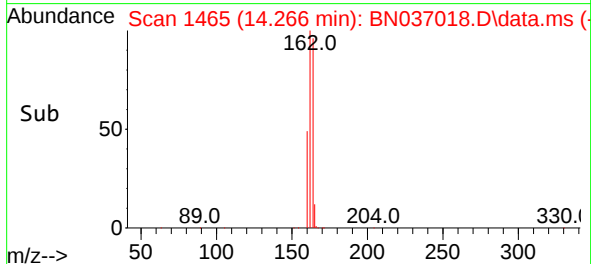
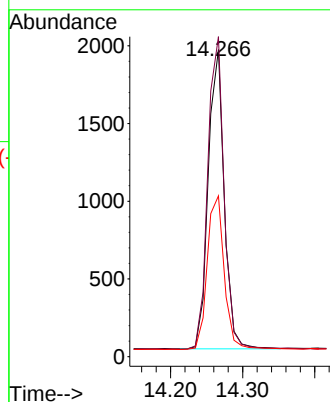
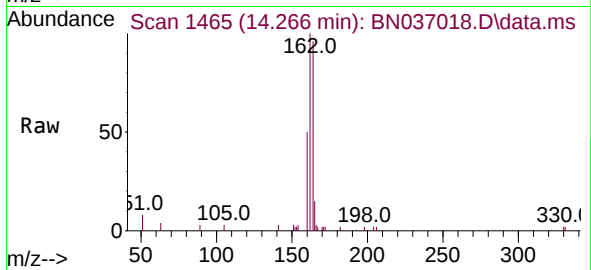
Tgt Ion:164 Resp: 2975

Ion Ratio Lower Upper

164 100

162 104.2 84.2 126.4

160 52.4 42.6 63.8



#14

2,4,6-Tribromophenol

Concen: 0.301 ng

RT: 15.755 min Scan# 1601

Delta R.T. -0.012 min

Lab File: BN037018.D

Acq: 14 May 2025 18:36

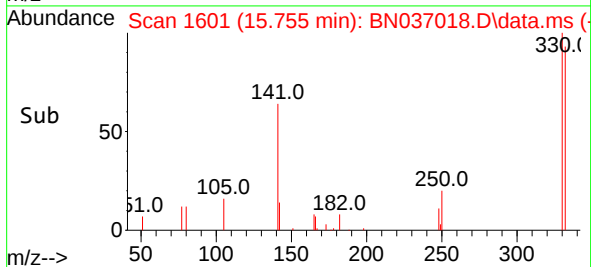
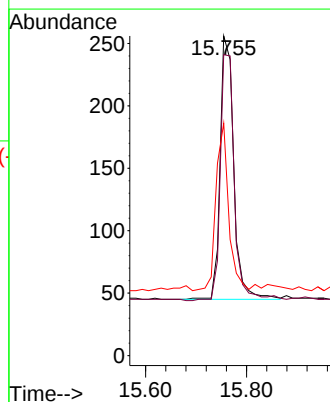
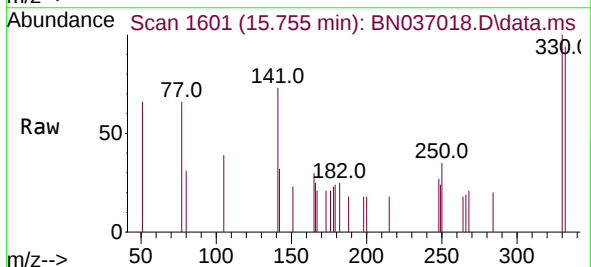
Tgt Ion:330 Resp: 393

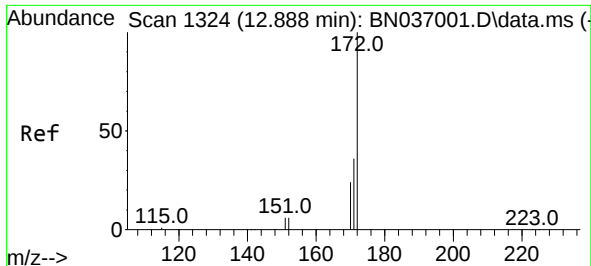
Ion Ratio Lower Upper

330 100

332 96.7 73.8 110.8

141 59.0 43.9 65.9

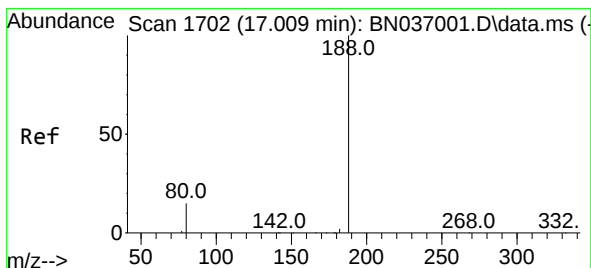
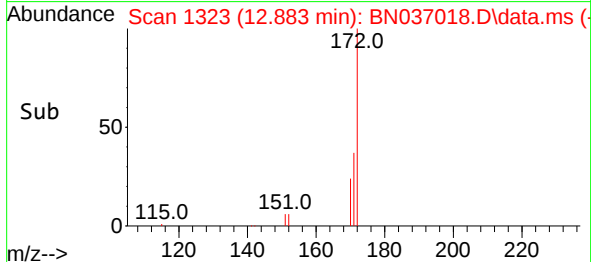
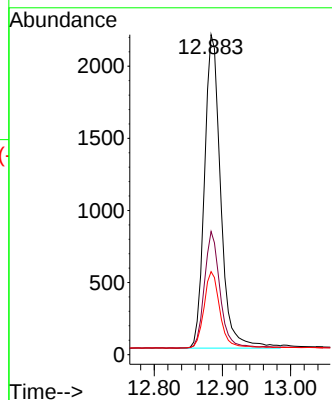
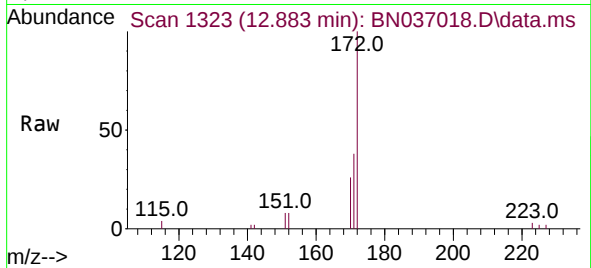




#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 12.883 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

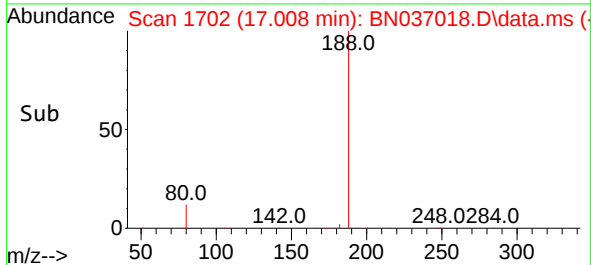
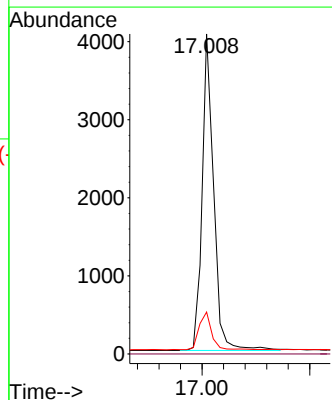
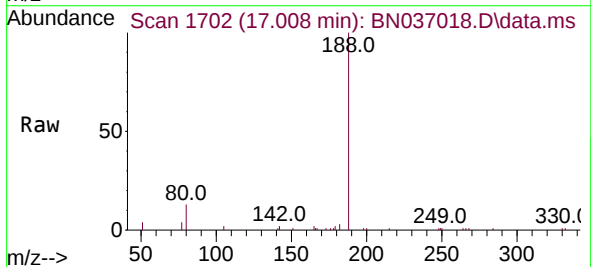
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BNA_N
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RW5-SP303-20250509

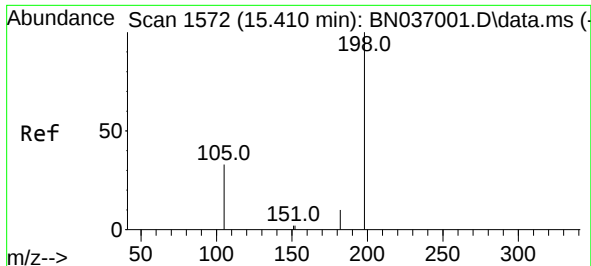
Tgt Ion:172	Resp:	3600
Ion Ratio	Lower	Upper
172	100	
171	38.5	29.2 43.8
170	26.0	20.5 30.7



#19
Phenanthrene-d10
Concen: 0.400 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#

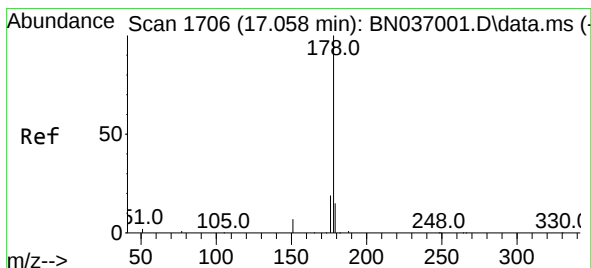
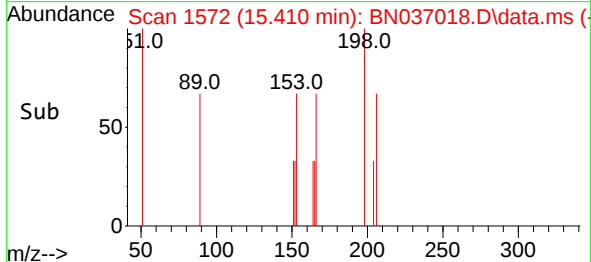
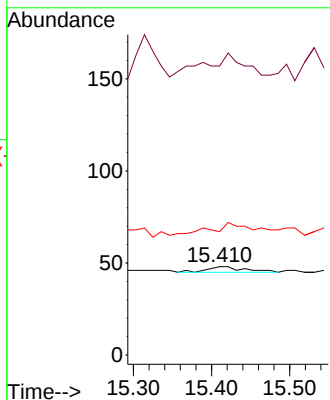
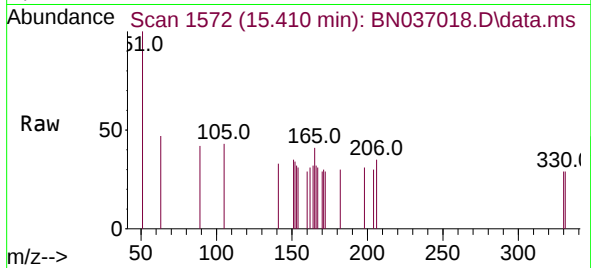




#20
4,6-Dinitro-2-methylphenol
Concen: 0.032 ng
RT: 15.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

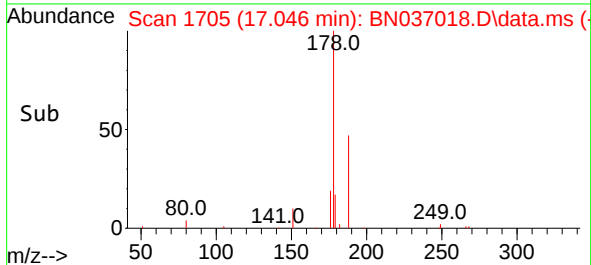
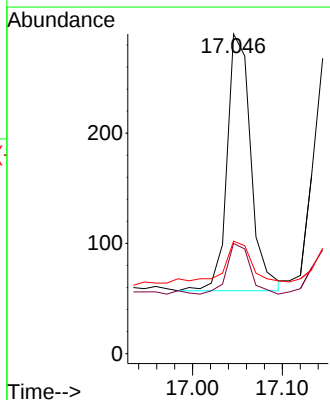
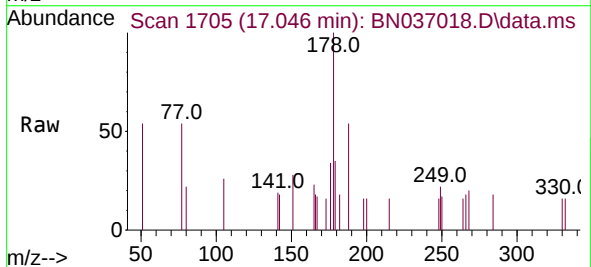
Instrument :
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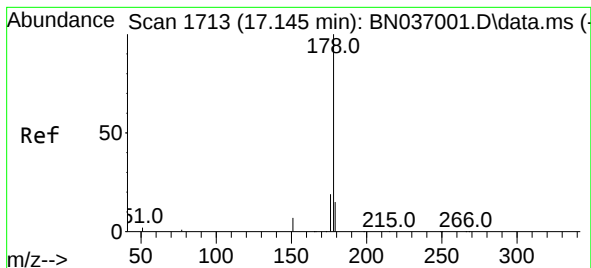
Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 327.1 87.8 131.6#
105 139.6 44.2 66.4#



#25
Phenanthrene
Concen: 0.022 ng
RT: 17.046 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

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#





#26

Anthracene

Concen: 0.020 ng

RT: 17.145 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BN037018.D

Acq: 14 May 2025 18:36

Instrument :

BNA_N

ClientSampleId :

RW5-SP303-20250509

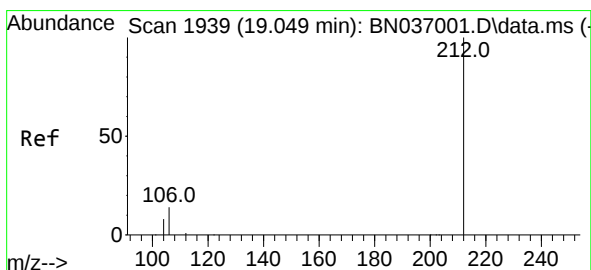
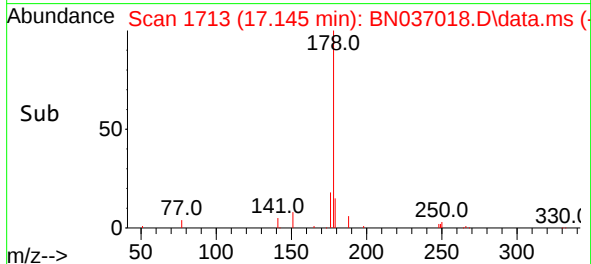
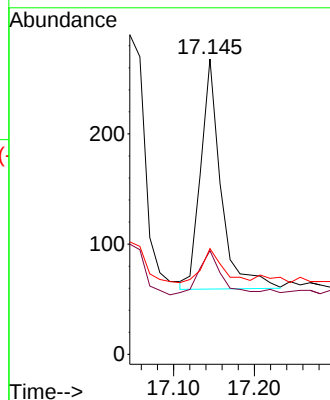
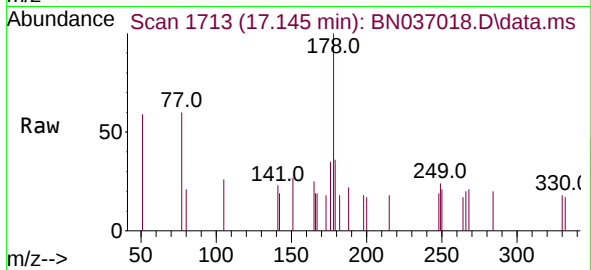
Tgt Ion:178 Resp: 364

Ion Ratio Lower Upper

178 100

176 22.0 15.0 22.6

179 15.1 12.3 18.5



#27

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.049 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BN037018.D

Acq: 14 May 2025 18:36

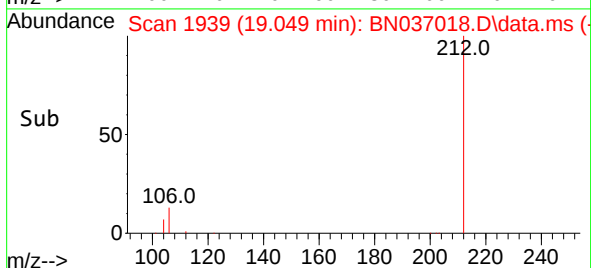
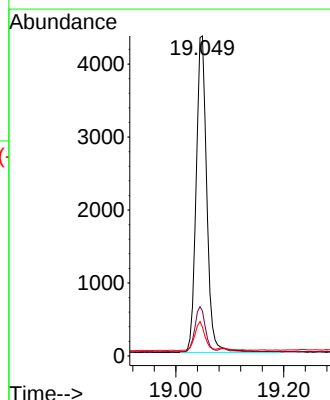
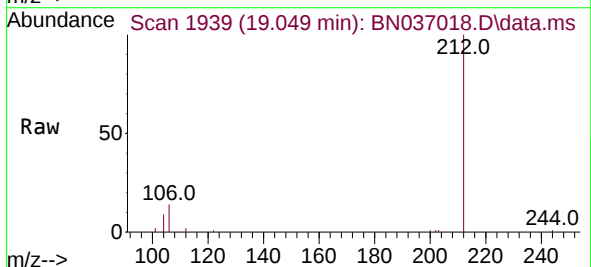
Tgt Ion:212 Resp: 5943

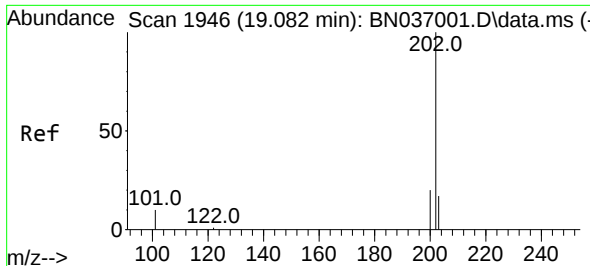
Ion Ratio Lower Upper

212 100

106 14.0 11.3 16.9

104 8.8 6.7 10.1

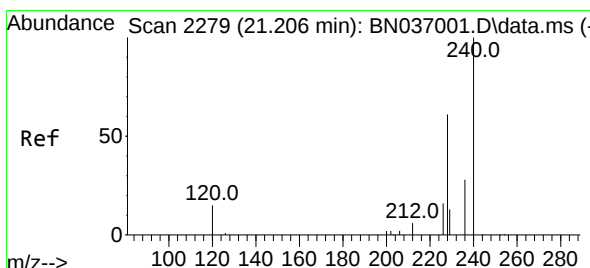
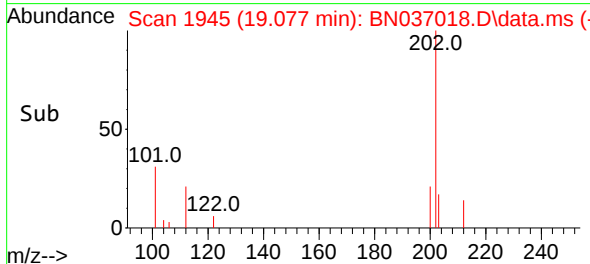
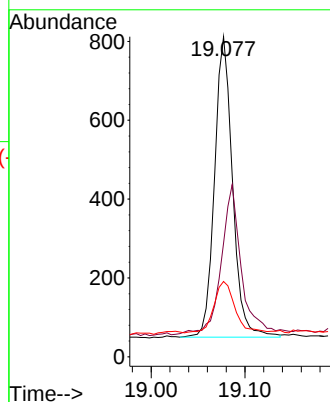
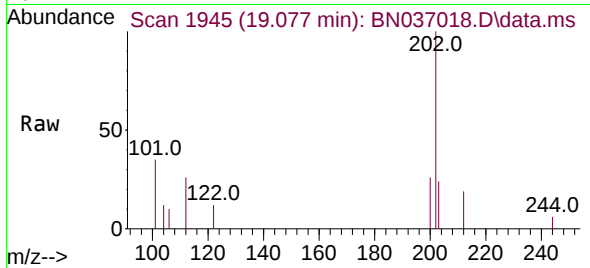




#28
Fluoranthene
Concen: 0.043 ng
RT: 19.077 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

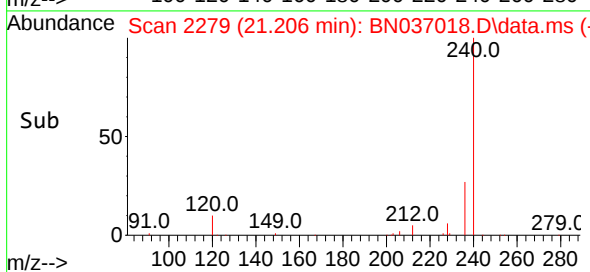
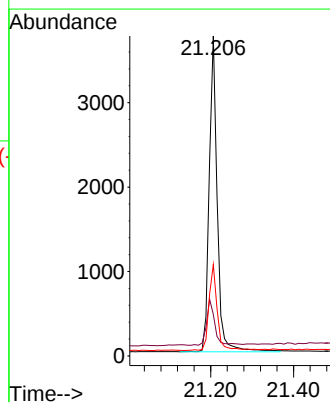
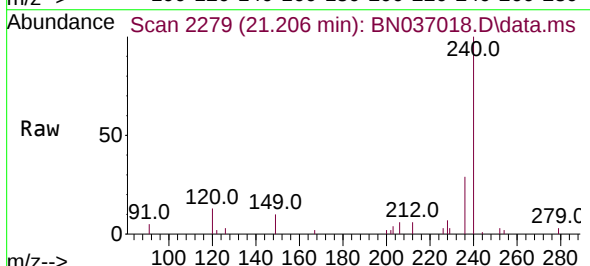
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

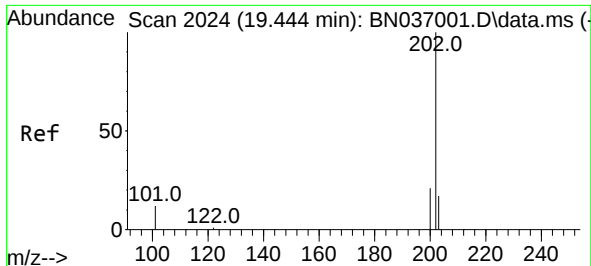
Tgt Ion:202 Resp: 1017
Ion Ratio Lower Upper
202 100
101 56.5 8.9 13.3#
203 19.8 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Tgt Ion:240 Resp: 5042
Ion Ratio Lower Upper
240 100
120 13.0 15.1 22.7#
236 28.5 24.0 36.0

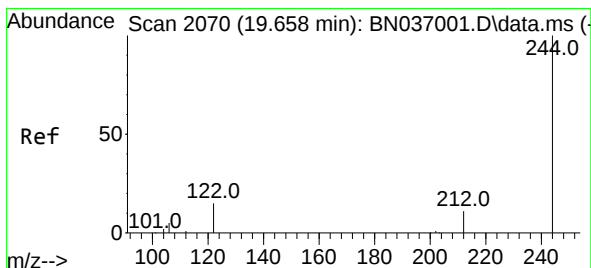
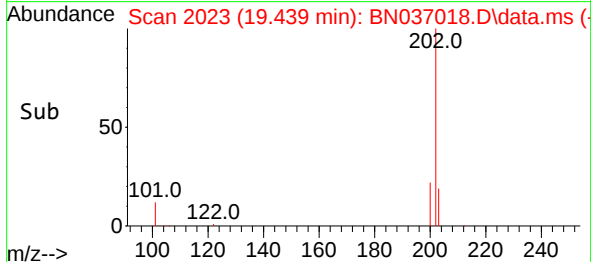
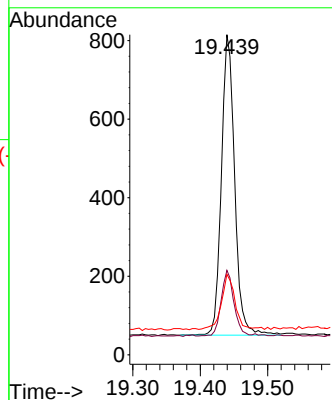
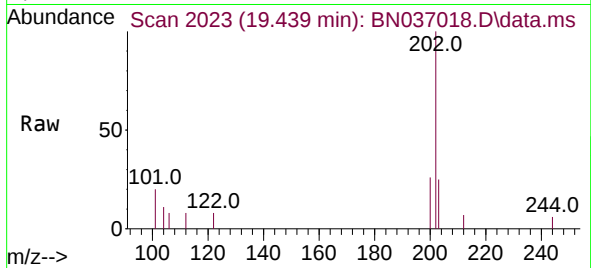




#30
Pyrene
Concen: 0.049 ng
RT: 19.439 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

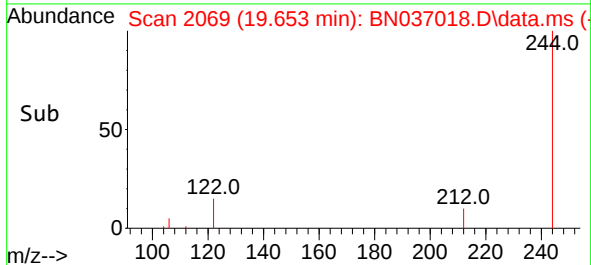
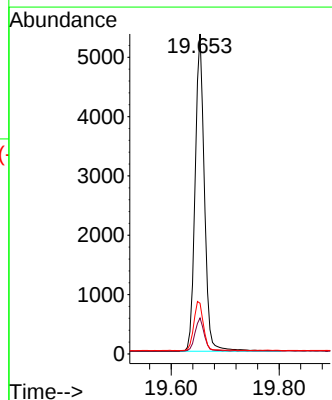
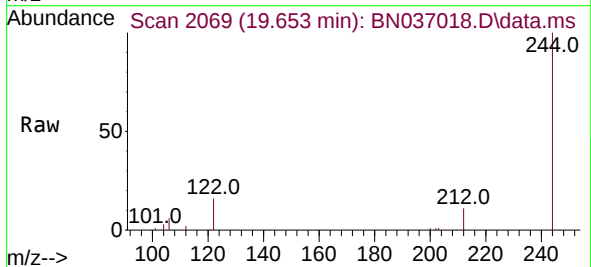
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

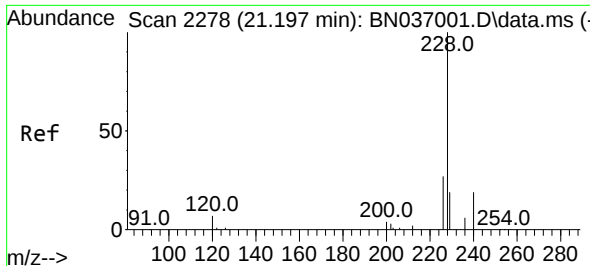
Tgt Ion:202 Resp: 1047
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.2 14.2 21.4



#31
Terphenyl-d14
Concen: 0.592 ng
RT: 19.653 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Tgt Ion:244 Resp: 6383
Ion Ratio Lower Upper
244 100
212 11.3 9.7 14.5
122 15.9 13.4 20.0

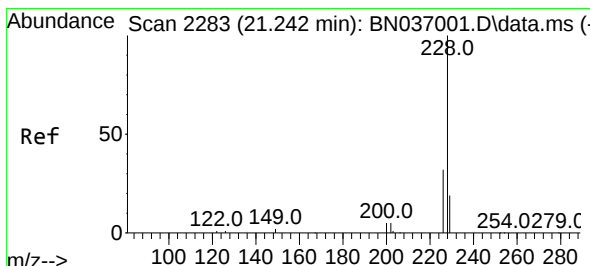
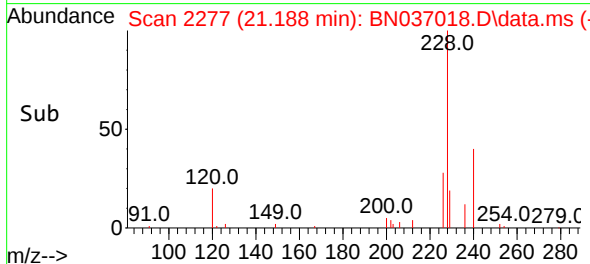
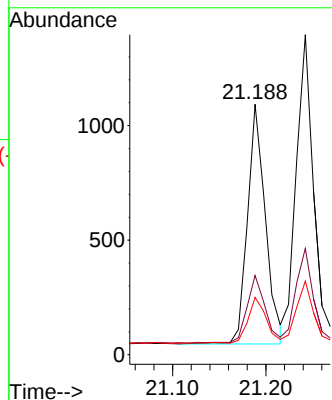
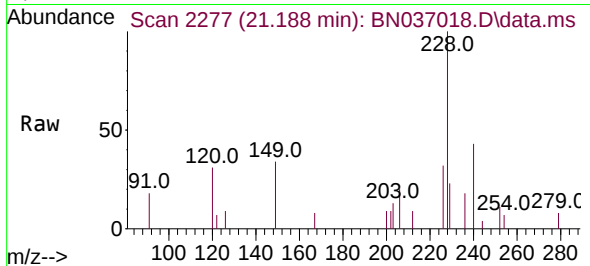




#32
Benzo(a)anthracene
Concen: 0.073 ng
RT: 21.188 min Scan# 21188
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

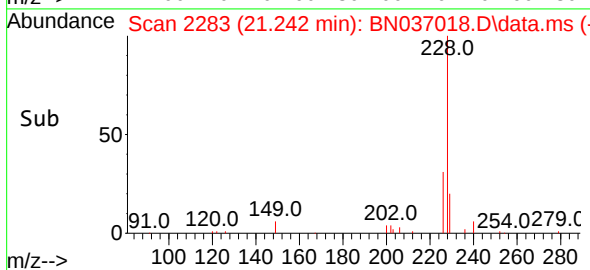
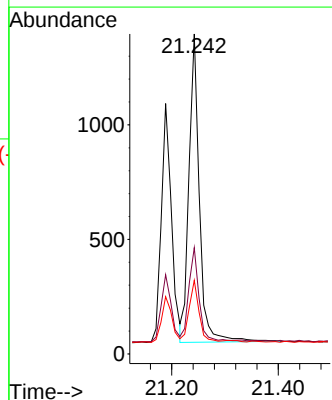
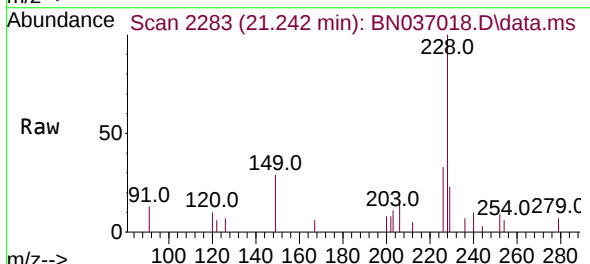
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

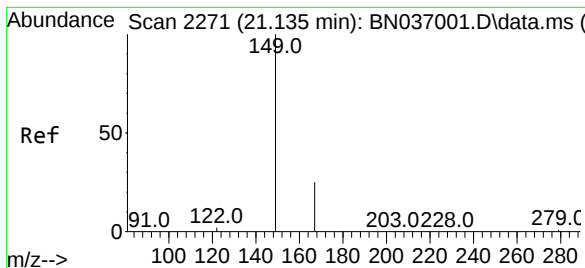
Tgt Ion:228 Resp: 1392
Ion Ratio Lower Upper
228 100
226 31.7 22.2 33.4
229 22.9 16.0 24.0



#33
Chrysene
Concen: 0.091 ng
RT: 21.242 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

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

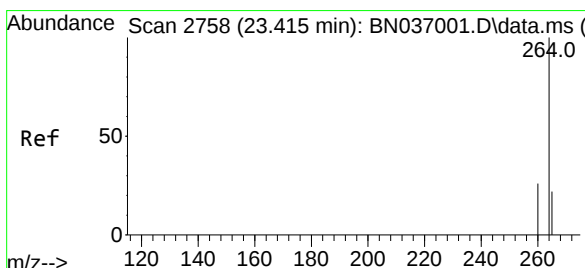
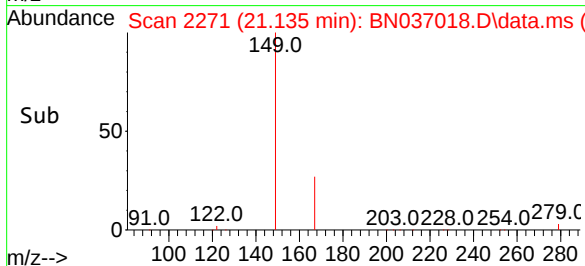
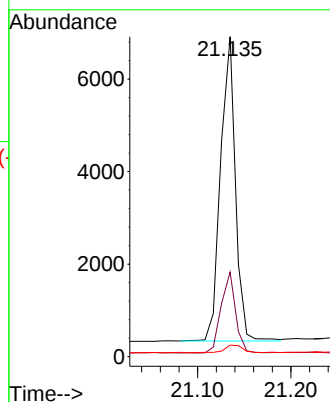
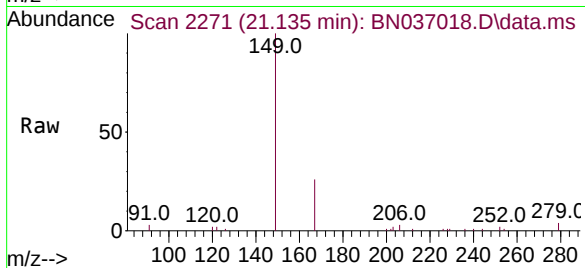




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.622 ng
RT: 21.135 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

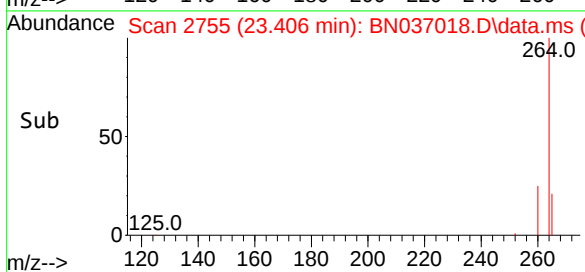
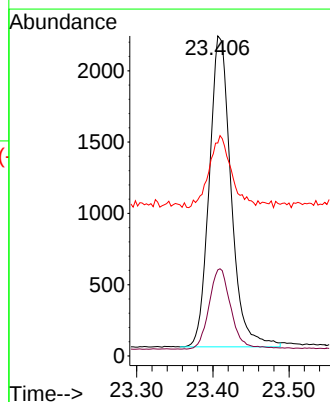
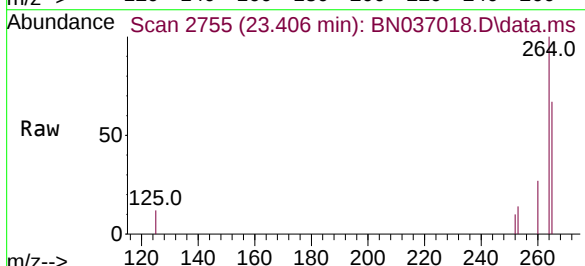
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

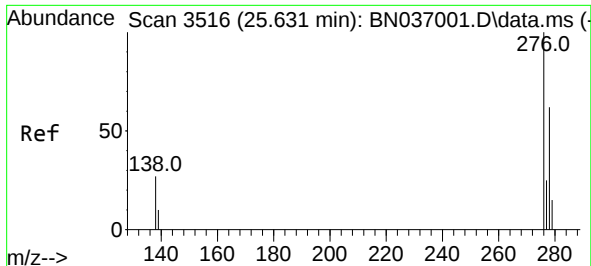
Tgt Ion:149 Resp: 7263
Ion Ratio Lower Upper
149 100
167 26.0 20.6 30.8
279 3.0 2.6 3.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.406 min Scan# 2755
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Tgt Ion:264 Resp: 4333
Ion Ratio Lower Upper
264 100
260 26.9 21.9 32.9
265 66.6 51.6 77.4

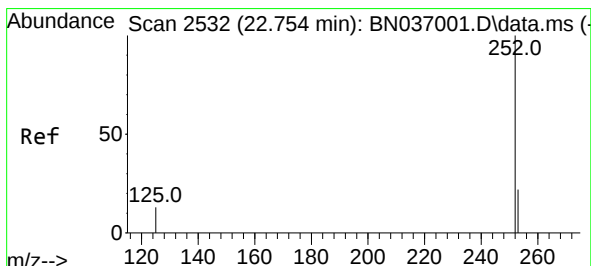
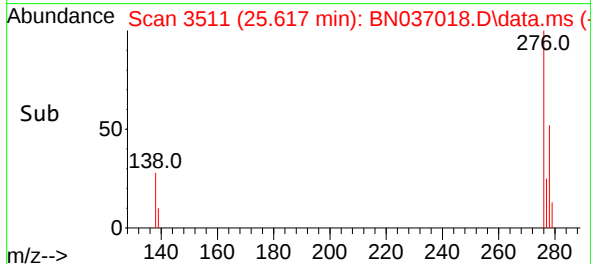
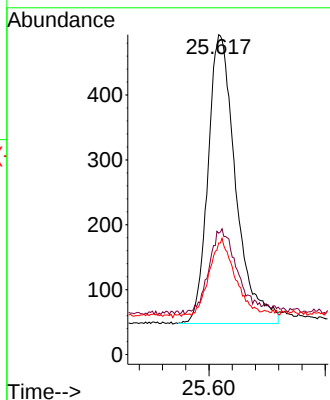
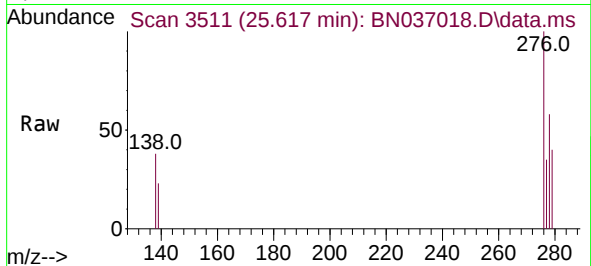




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.083 ng
RT: 25.617 min Scan# 3516
Delta R.T. -0.015 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

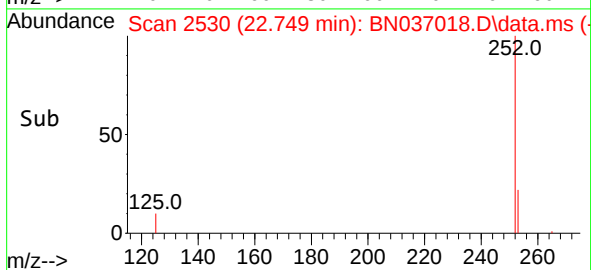
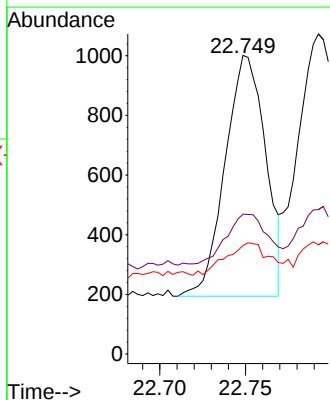
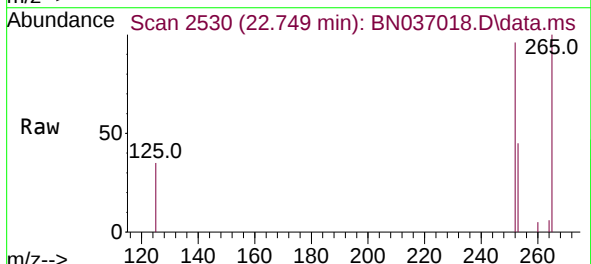
Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

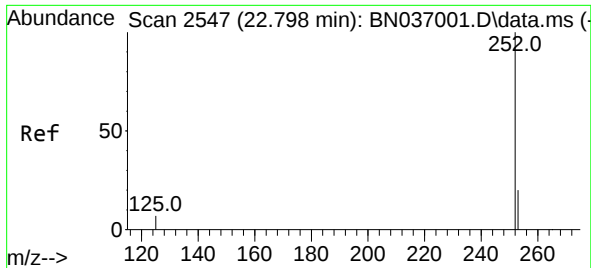
Tgt Ion:276 Resp: 1470
Ion Ratio Lower Upper
276 100
138 30.5 22.7 34.1
277 24.6 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.074 ng
RT: 22.749 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

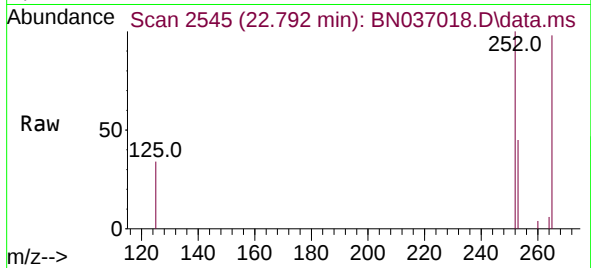
Tgt Ion:252 Resp: 1324
Ion Ratio Lower Upper
252 100
253 46.9 21.8 32.6#
125 36.4 14.6 21.8#



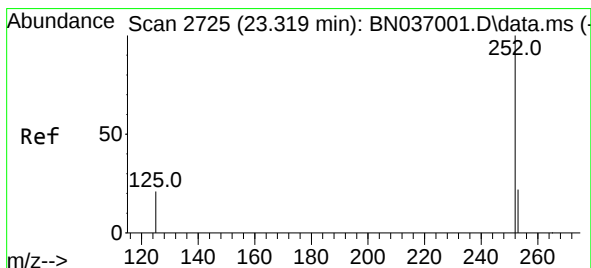
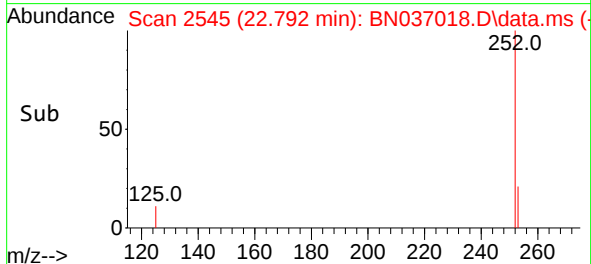
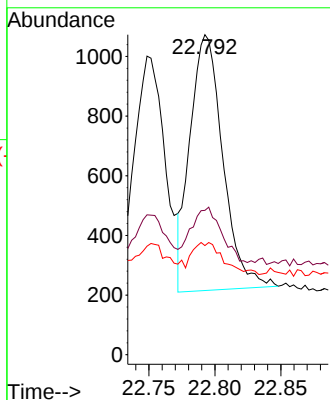


#38
Benzo(k)fluoranthene
Concen: 0.084 ng
RT: 22.792 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

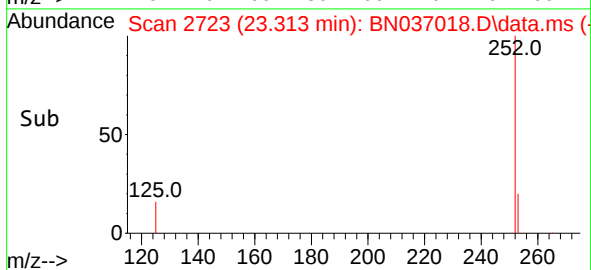
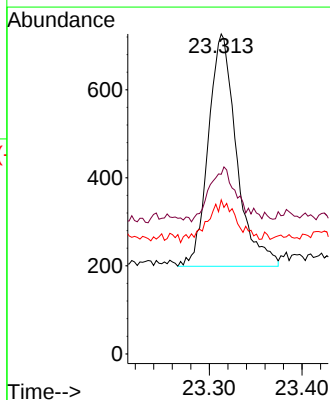
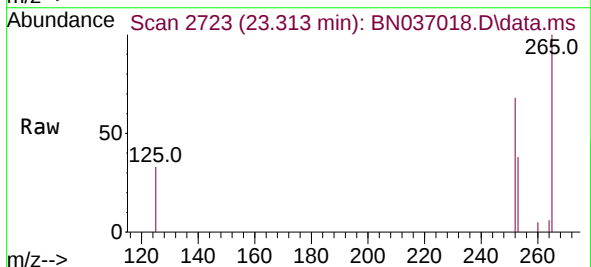


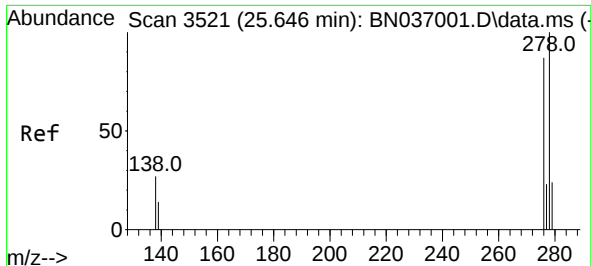
Tgt Ion:252 Resp: 1485
Ion Ratio Lower Upper
252 100
253 45.1 21.4 32.2#
125 34.1 13.0 19.4#



#39
Benzo(a)pyrene
Concen: 0.073 ng
RT: 23.313 min Scan# 2723
Delta R.T. -0.006 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Tgt Ion:252 Resp: 1115
Ion Ratio Lower Upper
252 100
253 56.1 23.8 35.6#
125 48.1 21.8 32.6#

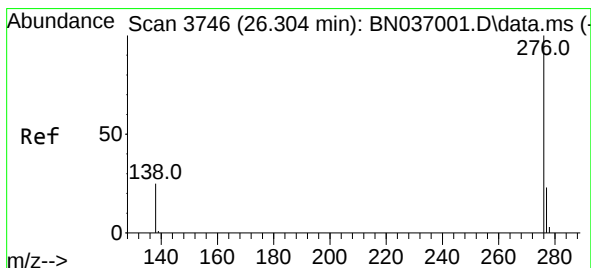
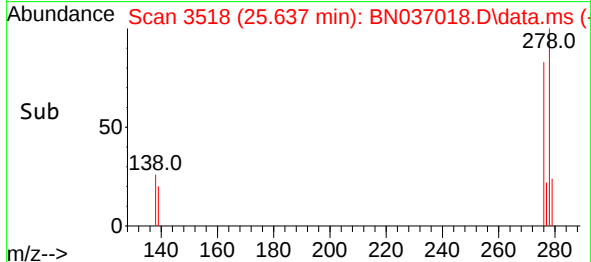
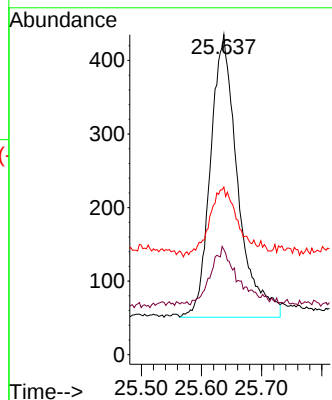
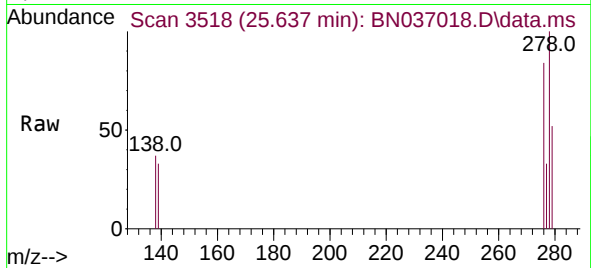




#40
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

Instrument :
BNA_N
ClientSampleId :
RW5-SP303-20250509

Tgt Ion: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: 0.083 ng
RT: 26.295 min Scan# 3743
Delta R.T. -0.009 min
Lab File: BN037018.D
Acq: 14 May 2025 18:36

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#

