

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
 Data File : BN037012.D
 Acq On : 14 May 2025 13:29
 Operator : RC/JU
 Sample : Q2000-01DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-062223DL

Quant Time: May 14 13:54:04 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)

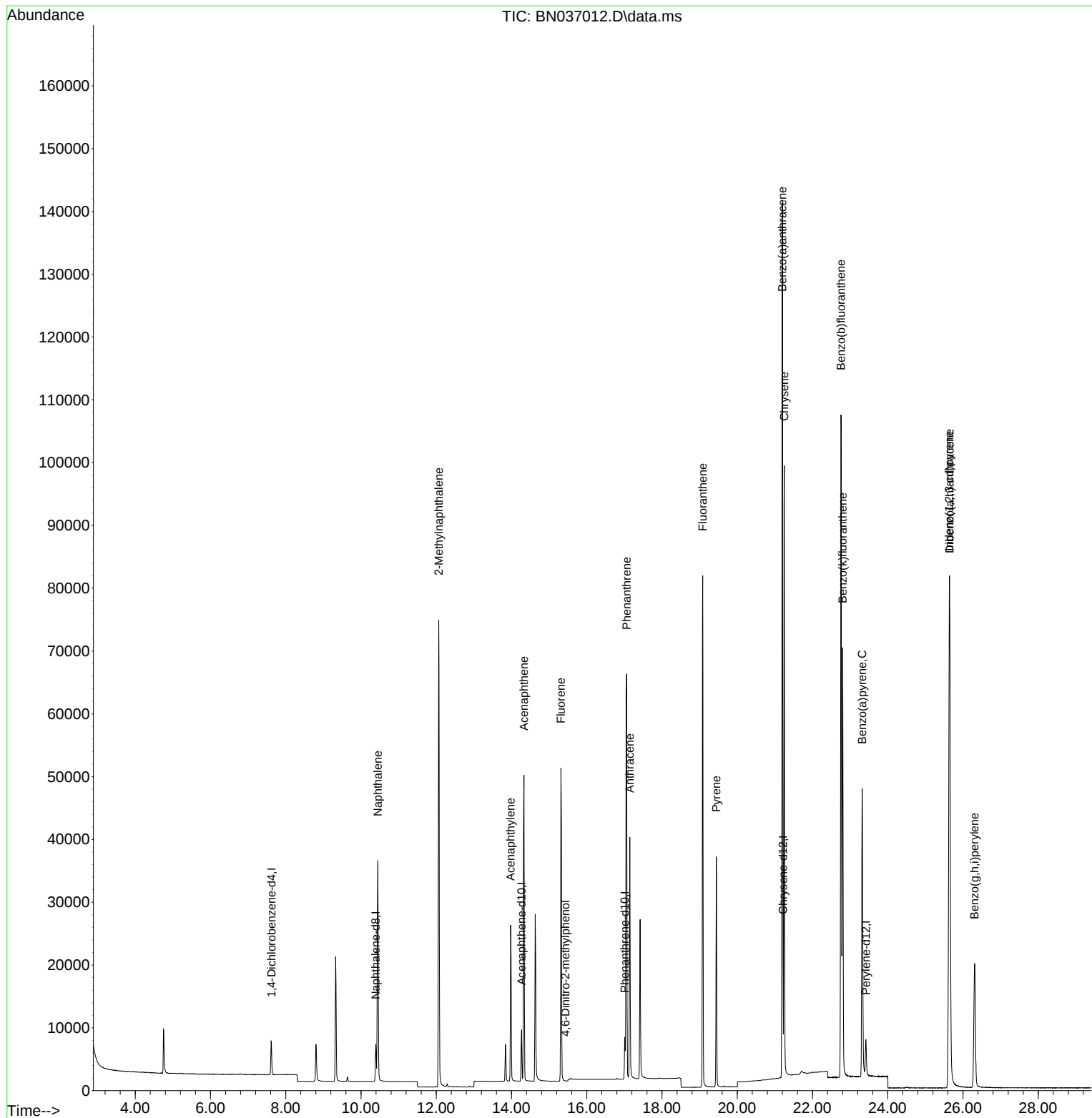
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2749	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	7479	0.400	ng	#-0.01
13) Acenaphthene-d10	14.267	164	4290	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	8579	0.400	ng	0.00
29) Chrysene-d12	21.215	240	8426	0.400	ng	# 0.00
35) Perylene-d12	23.418	264	7346	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	65	0.009	ng	0.00
5) Phenol-d6	6.795	99	81	0.009	ng	0.00
8) Nitrobenzene-d5	8.760	82	83	0.010	ng	-0.01
11) 2-Methylnaphthalene-d10	11.996	152	91	0.009	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	25	0.013	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	149	0.008	ng	0.00
27) Fluoranthene-d10	19.049	212	207	0.009	ng	0.00
31) Terphenyl-d14	19.663	244	175	0.010	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.447	128	44934	2.033	ng	96
12) 2-Methylnaphthalene	12.067	142	51202	3.602	ng	98
16) Acenaphthylene	13.978	152	26807	1.284	ng	100
17) Acenaphthene	14.331	154	23270	1.705	ng	99
18) Fluorene	15.314	166	31053	1.735	ng	99
20) 4,6-Dinitro-2-methylph...	15.432	198	2	0.025	ng	# 1
25) Phenanthrene	17.058	178	73590	2.625	ng	100
26) Anthracene	17.145	178	37527	1.471	ng	99
28) Fluoranthene	19.082	202	70260	2.098	ng	99
30) Pyrene	19.444	202	31584	0.876	ng	99
32) Benzo(a)anthracene	21.198	228	103756	3.270	ng	99
33) Chrysene	21.251	228	84001	2.503	ng	96
36) Indeno(1,2,3-cd)pyrene	25.634	276	75917	2.530	ng	94
37) Benzo(b)fluoranthene	22.757	252	121890	4.000	ng	# 89
38) Benzo(k)fluoranthene	22.801	252	81374	2.704	ng	# 91
39) Benzo(a)pyrene	23.322	252	66234	2.563	ng	# 81
40) Dibenzo(a,h)anthracene	25.646	278	88083	3.769	ng	# 92
41) Benzo(g,h,i)perylene	26.307	276	38434	1.514	ng	97

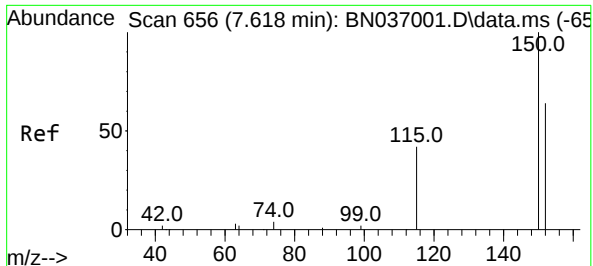
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
ClientSampleId :
38072-06223DL

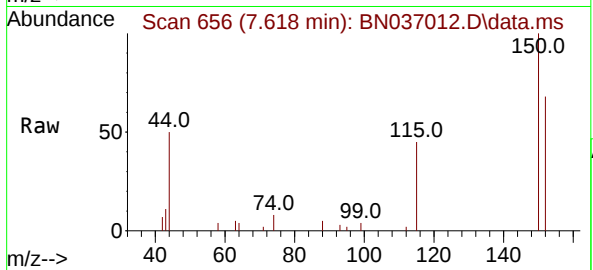
Quant Time: May 14 13:54:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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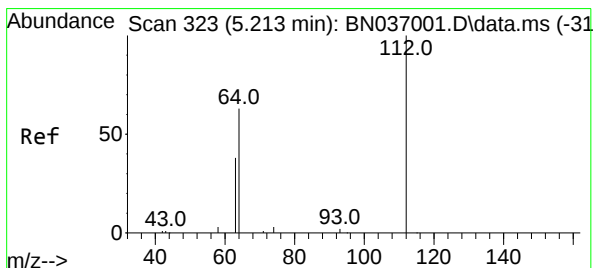
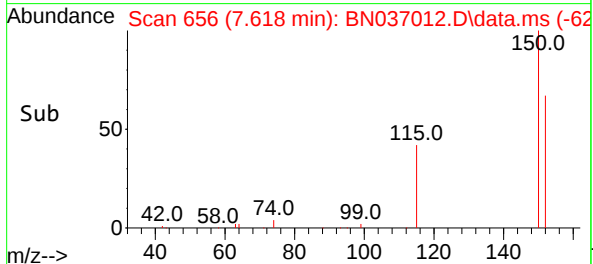
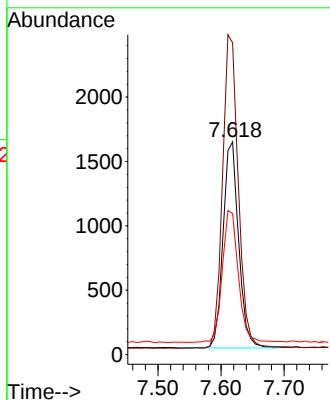
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.618 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Instrument :
 BNA_N
 ClientSampleId :
 38072-062223DL



Tgt Ion:152 Resp: 2749

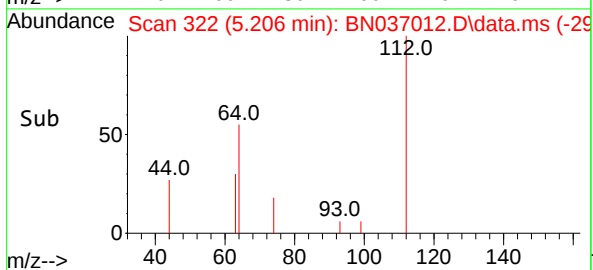
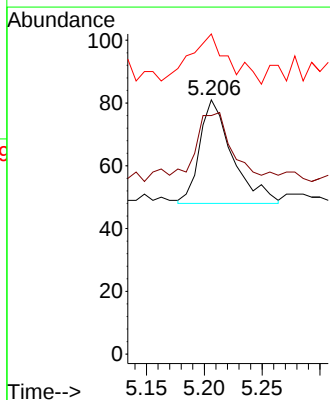
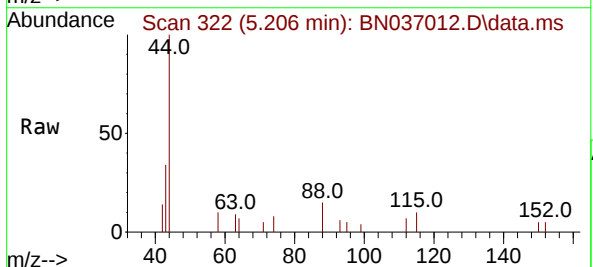
Ion	Ratio	Lower	Upper
152	100		
150	146.6	123.9	185.9
115	66.3	55.8	83.8

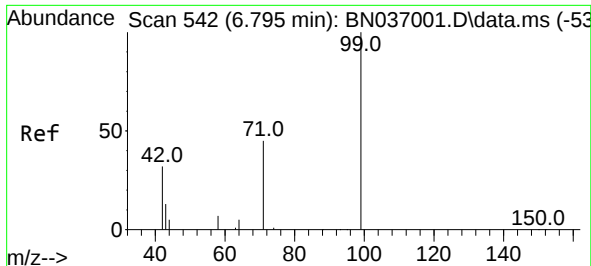


#4
 2-Fluorophenol
 Concen: 0.009 ng
 RT: 5.206 min Scan# 322
 Delta R.T. -0.007 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Tgt Ion:112 Resp: 65

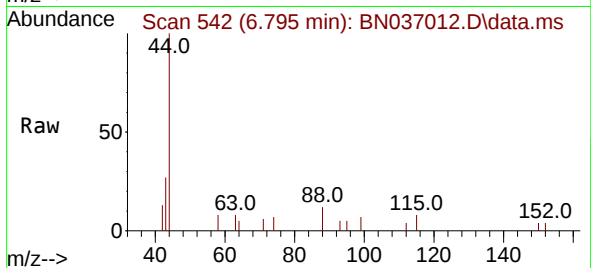
Ion	Ratio	Lower	Upper
112	100		
64	58.5	55.7	83.5
63	58.5	34.6	51.8



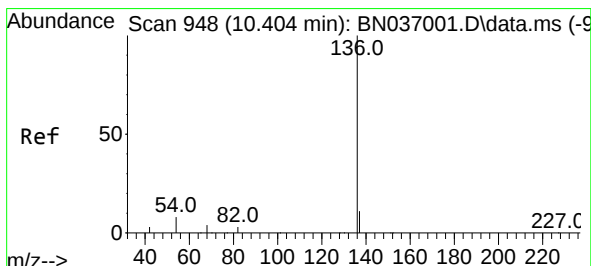
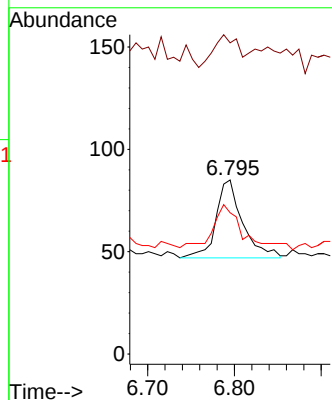
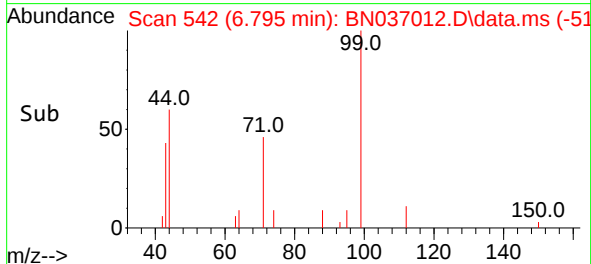


#5
Phenol-d6
Concen: 0.009 ng
RT: 6.795 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

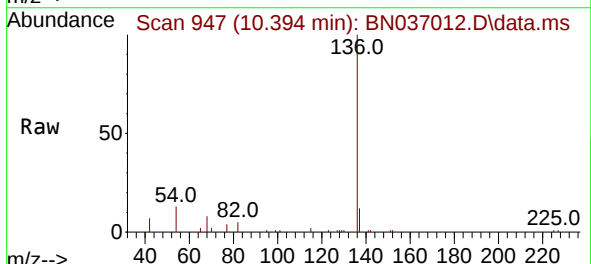
Instrument :
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38072-062223DL



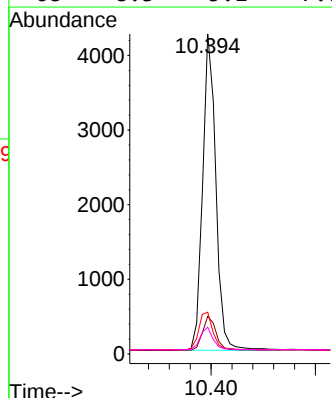
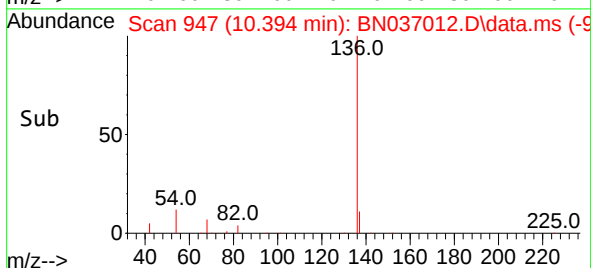
Tgt Ion: 99 Resp: 81
Ion Ratio Lower Upper
99 100
42 40.7 29.3 43.9
71 53.1 35.7 53.5

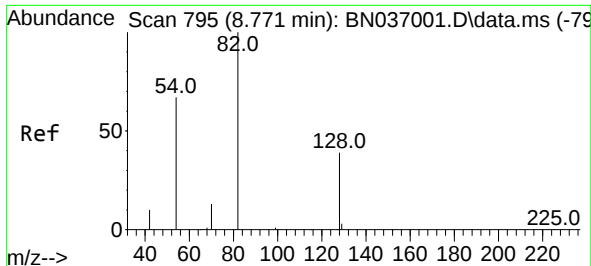


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29



Tgt Ion: 136 Resp: 7479
Ion Ratio Lower Upper
136 100
137 11.8 10.4 15.6
54 13.1 8.5 12.7#
68 8.3 5.1 7.7#

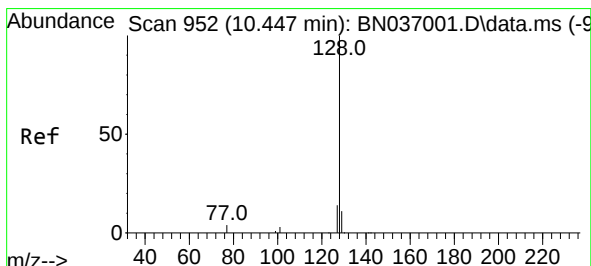
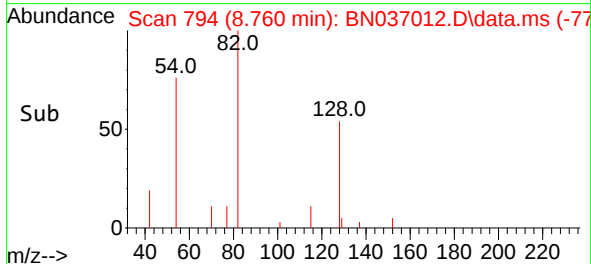
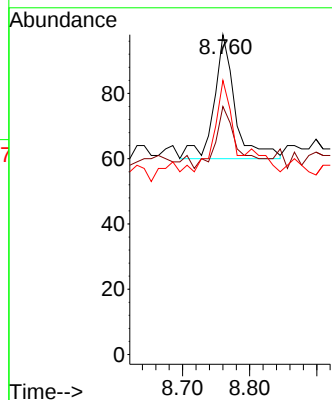
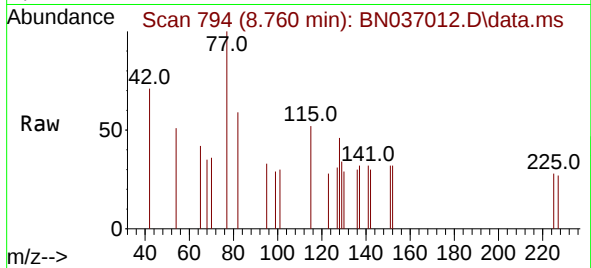




#8
Nitrobenzene-d5
Concen: 0.010 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

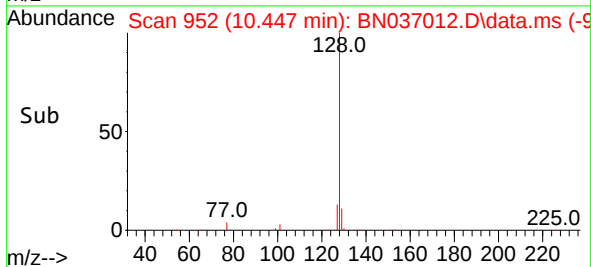
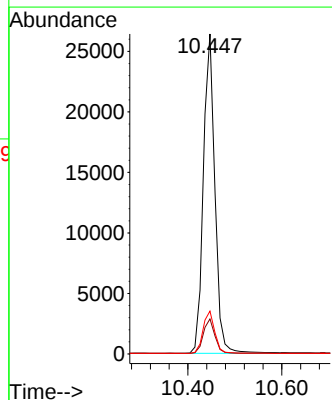
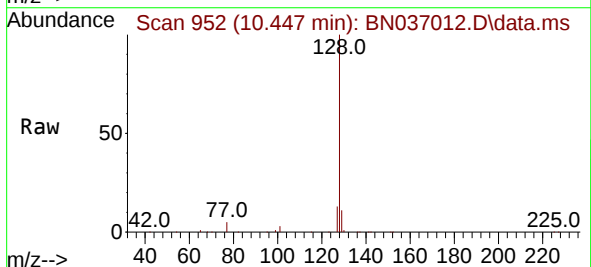
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

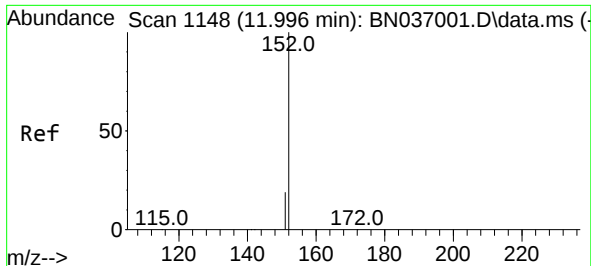
Tgt Ion: 82 Resp: 83
Ion Ratio Lower Upper
82 100
128 77.6 34.0 51.0#
54 85.7 55.0 82.4#



#9
Naphthalene
Concen: 2.033 ng
RT: 10.447 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion: 128 Resp: 44934
Ion Ratio Lower Upper
128 100
129 10.9 9.7 14.5
127 13.4 12.4 18.6

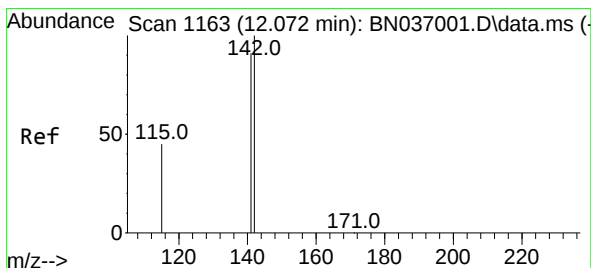
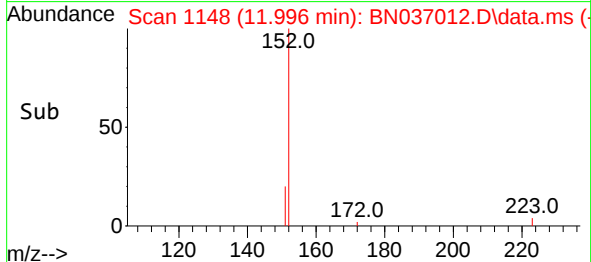
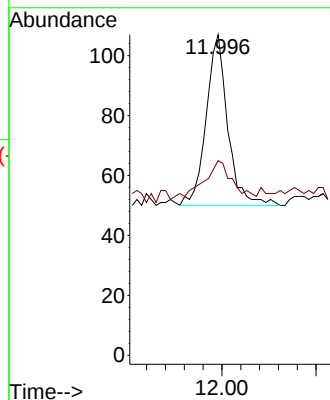
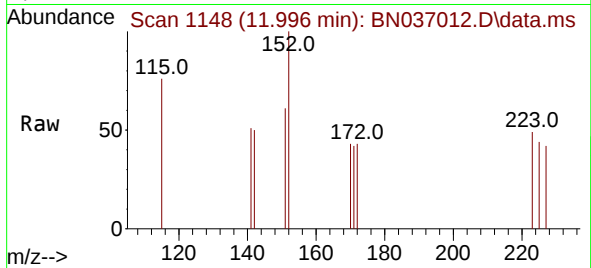




#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 11.996 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

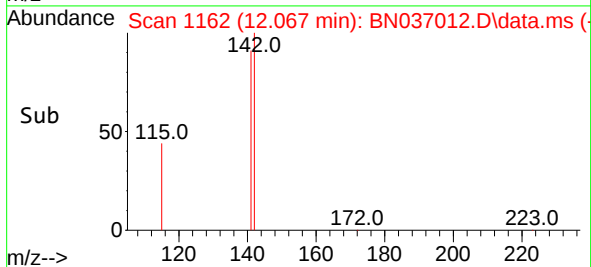
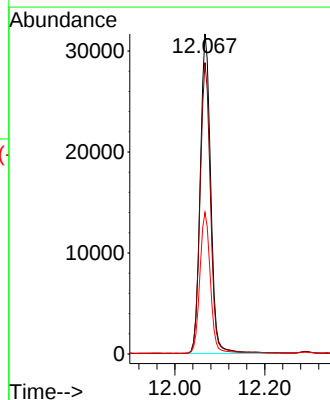
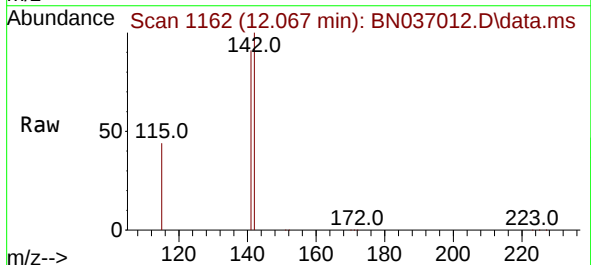
Instrument :
BNA_N
ClientSampleId :
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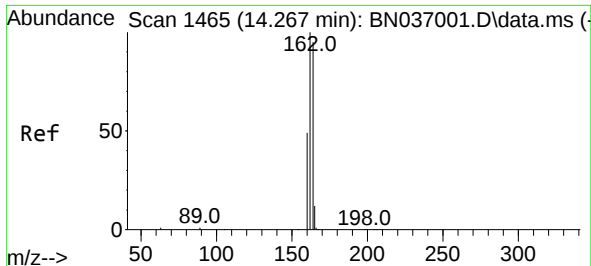
Tgt Ion:152 Resp: 91
Ion Ratio Lower Upper
152 100
151 26.4 17.5 26.3#



#12
2-Methylnaphthalene
Concen: 3.602 ng
RT: 12.067 min Scan# 1162
Delta R.T. -0.005 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:142 Resp: 51202
Ion Ratio Lower Upper
142 100
141 91.1 73.3 109.9
115 44.3 38.4 57.6

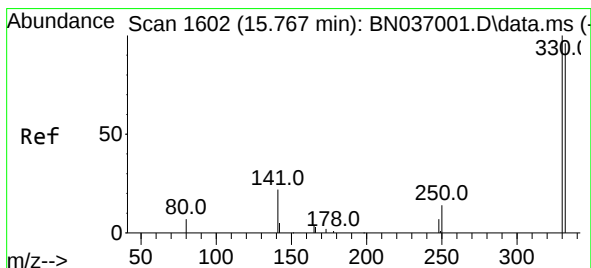
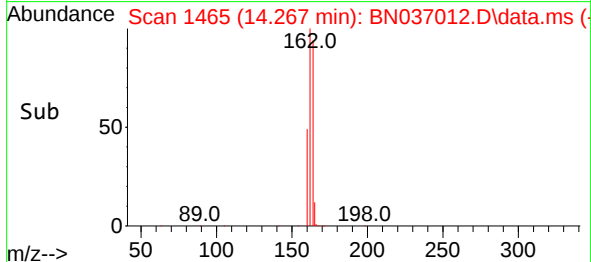
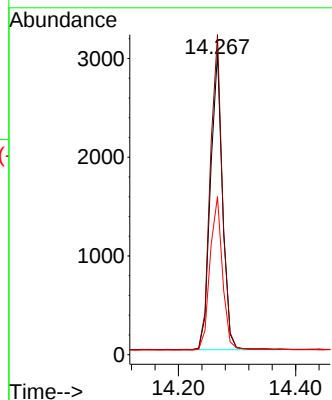
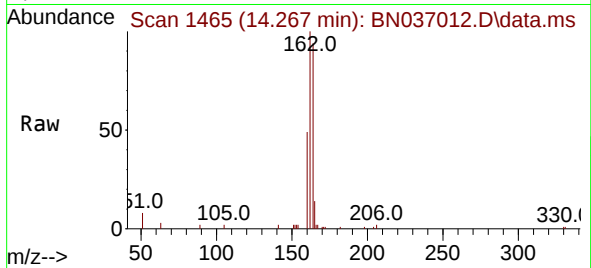




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.267 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

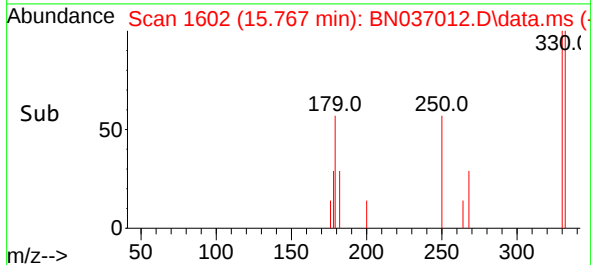
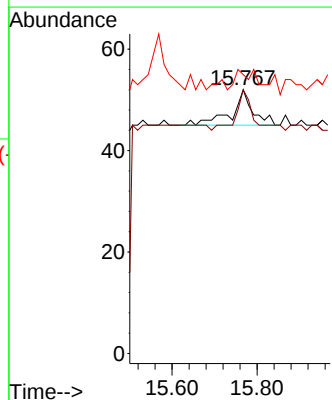
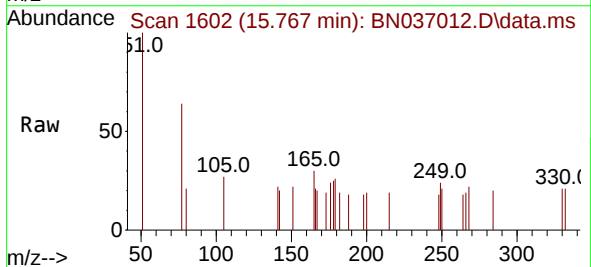
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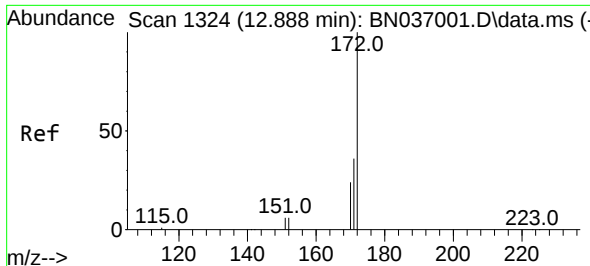
Tgt Ion:164 Resp: 4290
Ion Ratio Lower Upper
164 100
162 106.1 84.2 126.4
160 52.4 42.6 63.8



#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:330 Resp: 25
Ion Ratio Lower Upper
330 100
332 76.0 73.8 110.8
141 48.0 43.9 65.9

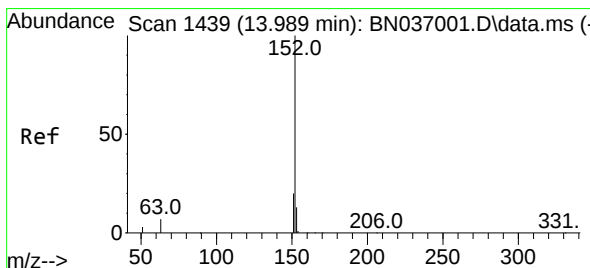
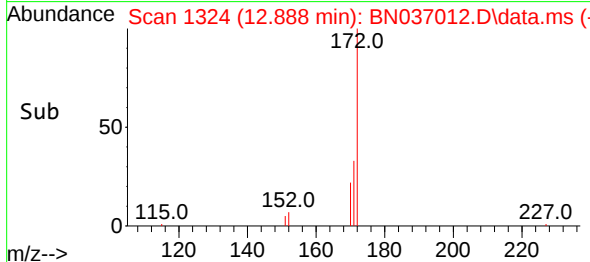
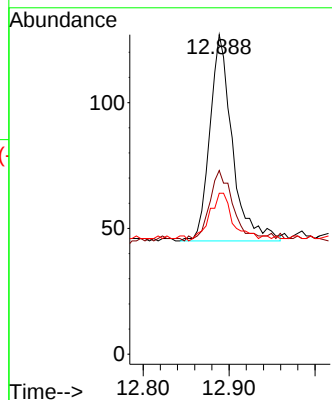
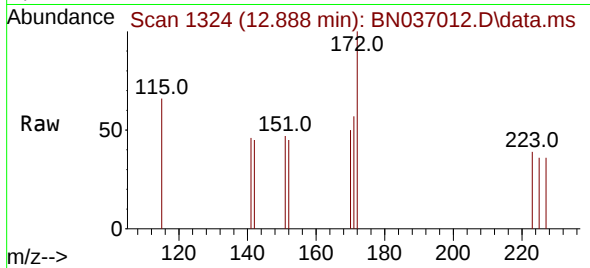




#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 12.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

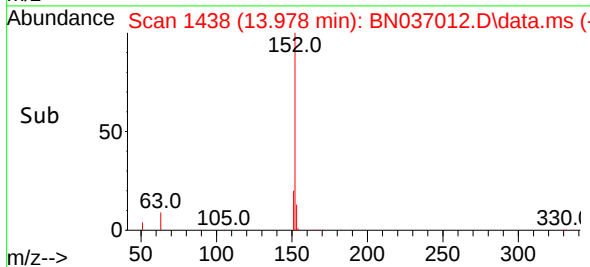
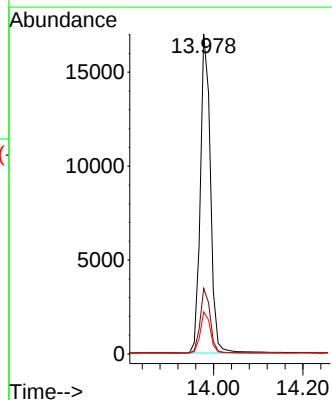
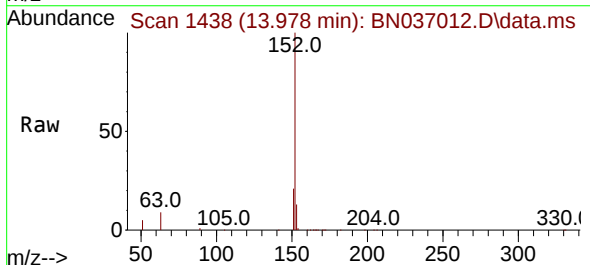
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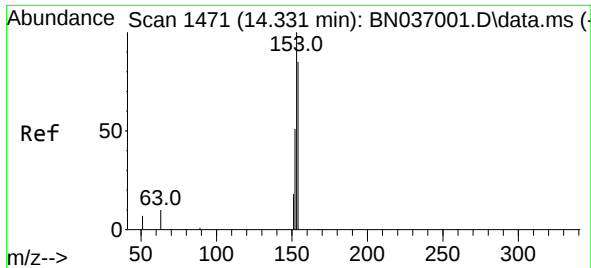
Tgt Ion:172 Resp: 149
Ion Ratio Lower Upper
172 100
171 57.5 29.2 43.8#
170 50.4 20.5 30.7#



#16
Acenaphthylene
Concen: 1.284 ng
RT: 13.978 min Scan# 1438
Delta R.T. -0.011 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:152 Resp: 26807
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 12.9 10.5 15.7

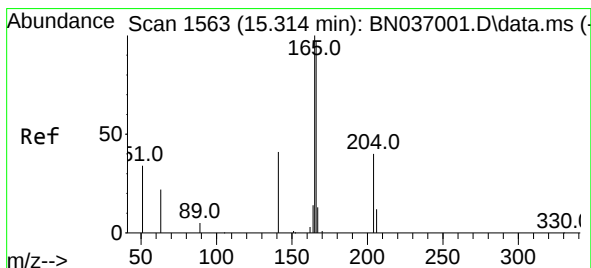
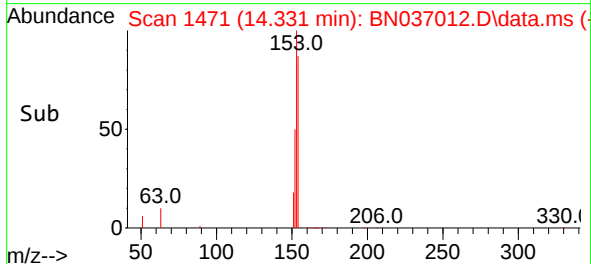
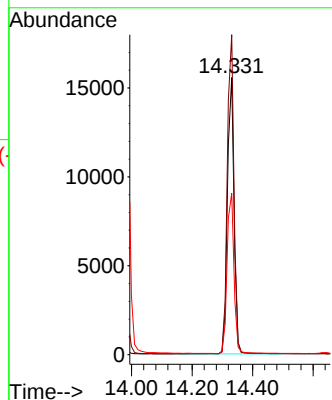
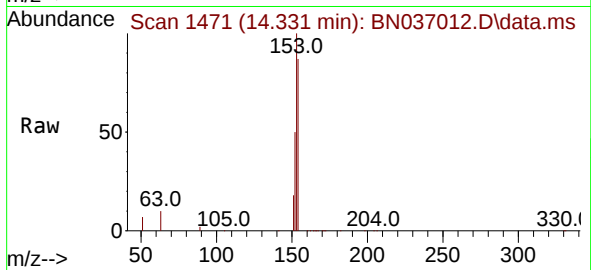




#17
Acenaphthene
Concen: 1.705 ng
RT: 14.331 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

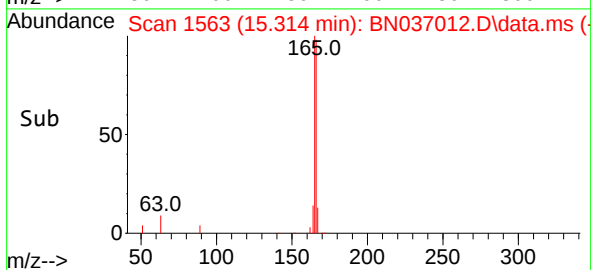
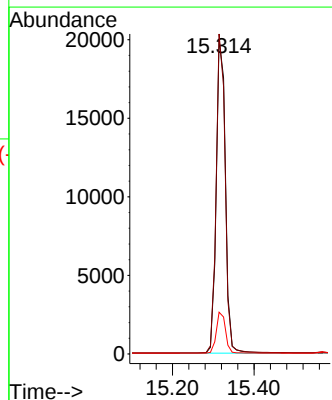
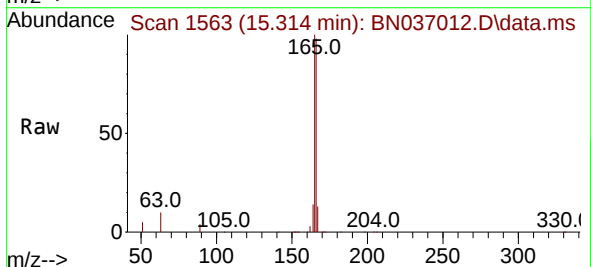
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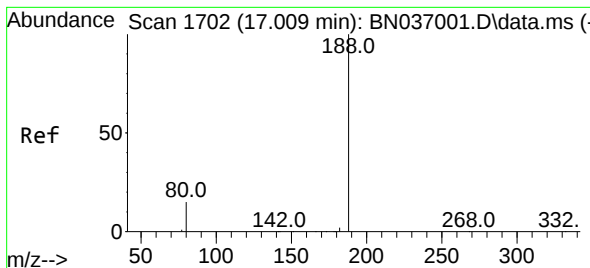
Tgt Ion:154 Resp: 23270
Ion Ratio Lower Upper
154 100
153 116.8 94.2 141.4
152 60.8 49.4 74.0



#18
Fluorene
Concen: 1.735 ng
RT: 15.314 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:166 Resp: 31053
Ion Ratio Lower Upper
166 100
165 99.5 80.6 120.8
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

Instrument :

BNA_N

ClientSampleId :

38072-062223DL

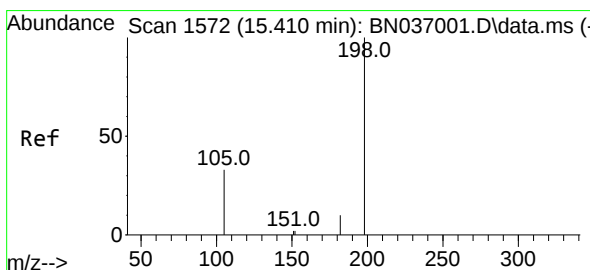
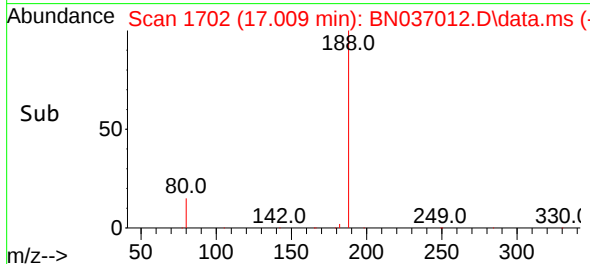
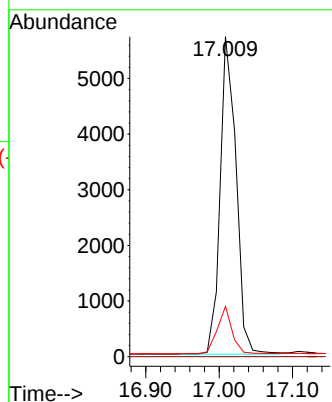
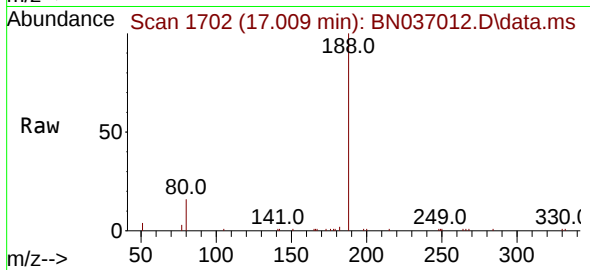
Tgt Ion:188 Resp: 8579

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 13.4 20.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.025 ng

RT: 15.432 min Scan# 1574

Delta R.T. 0.022 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

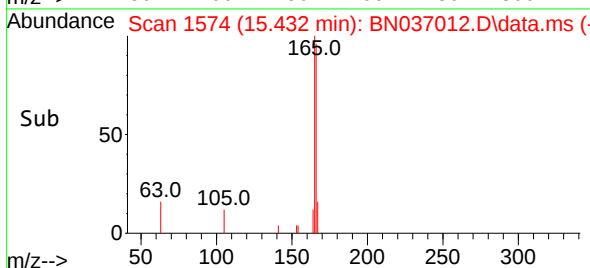
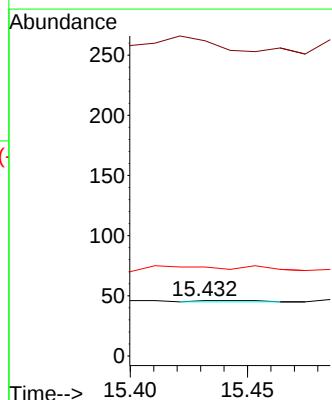
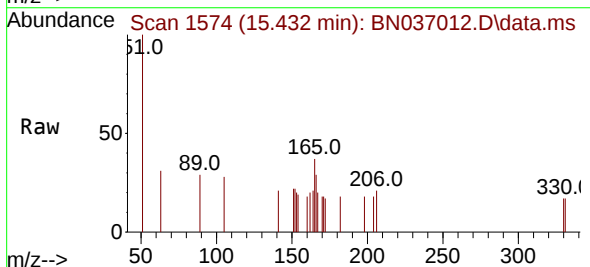
Tgt Ion:198 Resp: 2

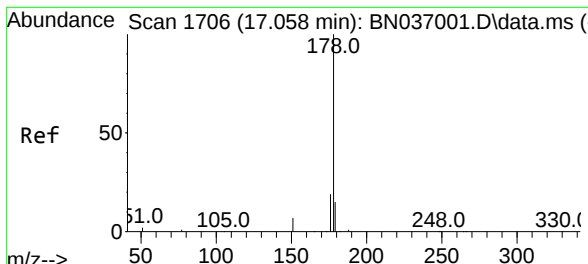
Ion Ratio Lower Upper

198 100

51 569.6 87.8 131.6#

105 160.9 44.2 66.4#



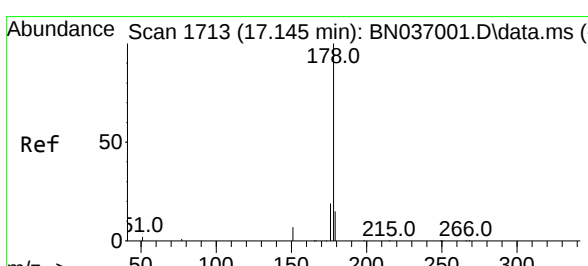
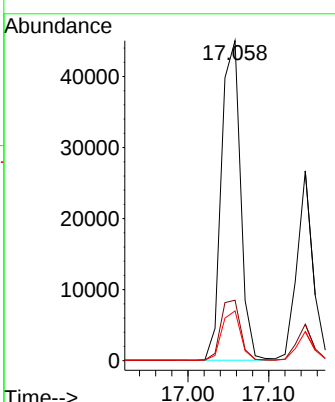
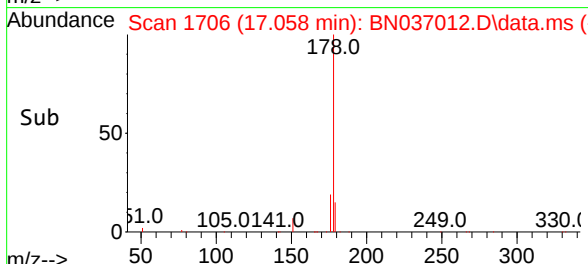
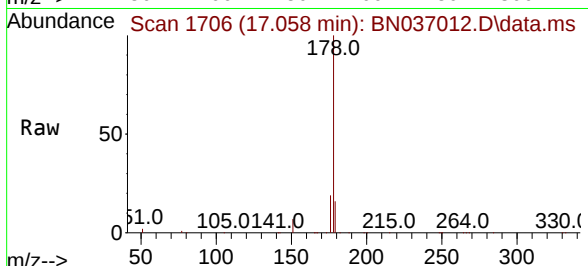


#25
 Phenanthrene
 Concen: 2.625 ng
 RT: 17.058 min Scan# 1706
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Instrument : BNA_N
 ClientSampleId : 38072-062223DL

Tgt Ion:178 Resp: 73590

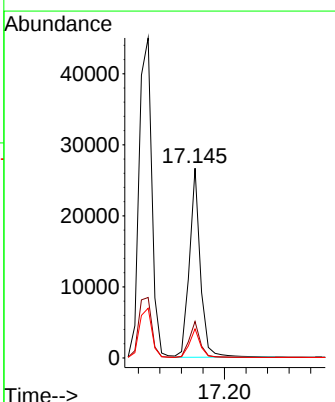
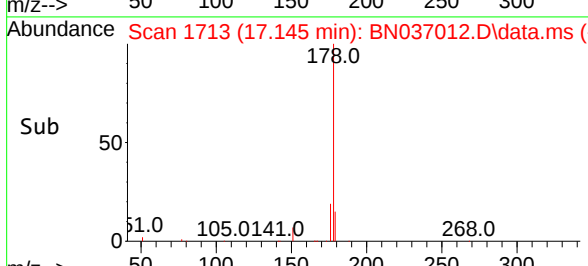
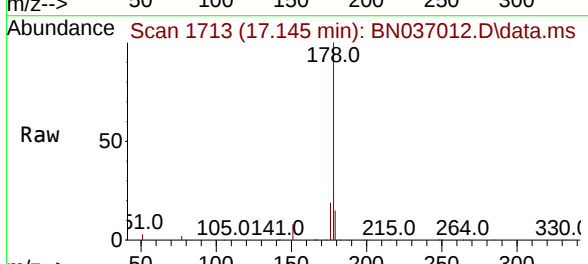
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.2	12.2	18.2

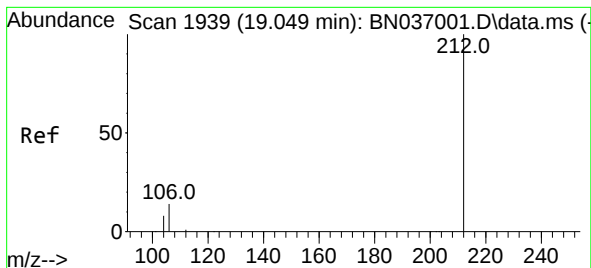


#26
 Anthracene
 Concen: 1.471 ng
 RT: 17.145 min Scan# 1713
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Tgt Ion:178 Resp: 37527

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.1	12.3	18.5





#27

Fluoranthene-d10

Concen: 0.009 ng

RT: 19.049 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

Instrument :

BNA_N

ClientSampleId :

38072-062223DL

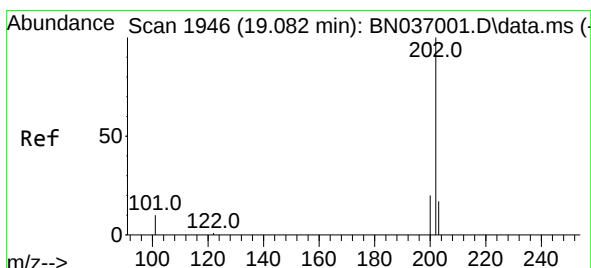
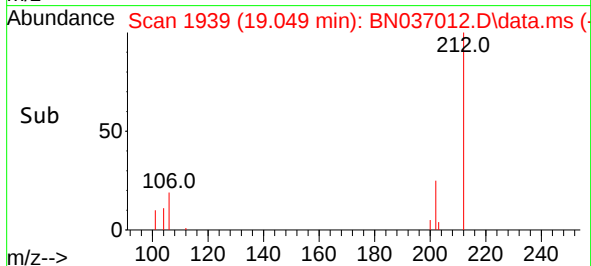
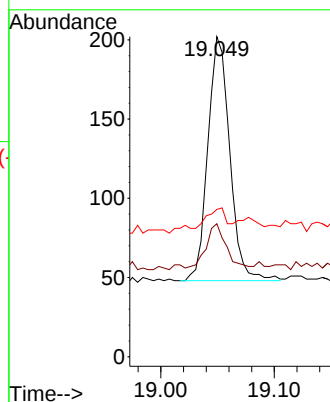
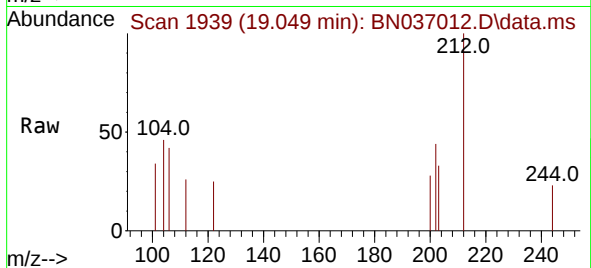
Tgt Ion:212 Resp: 207

Ion Ratio Lower Upper

212 100

106 15.9 11.3 16.9

104 8.7 6.7 10.1



#28

Fluoranthene

Concen: 2.098 ng

RT: 19.082 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

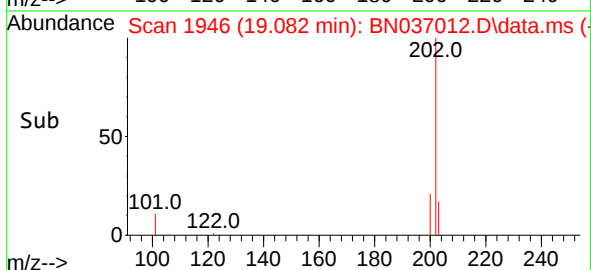
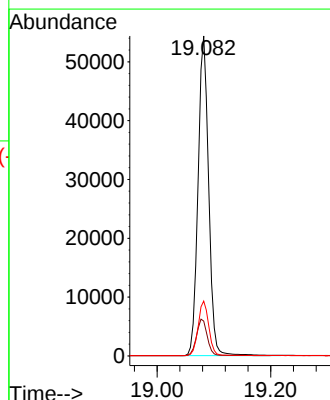
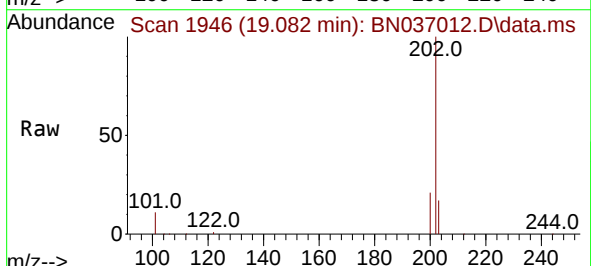
Tgt Ion:202 Resp: 70260

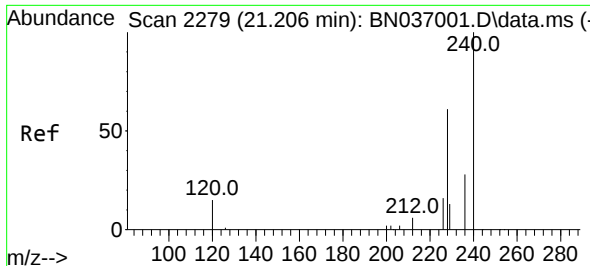
Ion Ratio Lower Upper

202 100

101 11.6 8.9 13.3

203 17.2 13.8 20.8

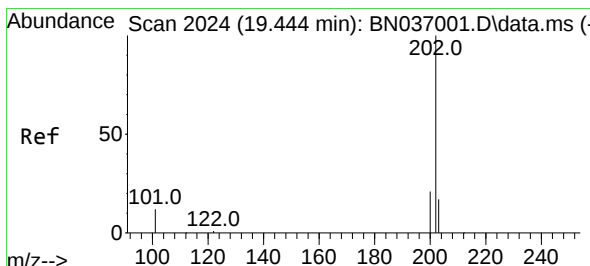
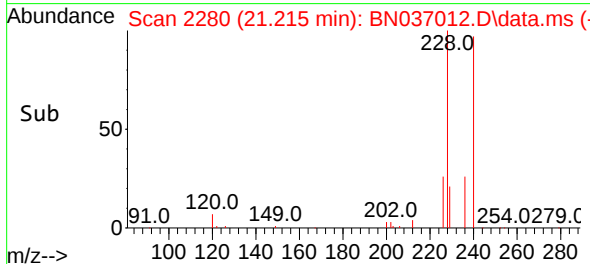
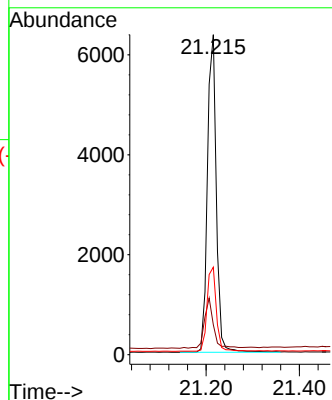
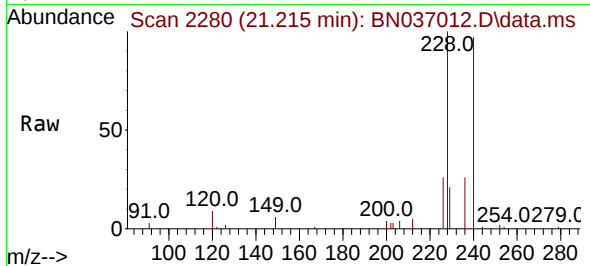




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

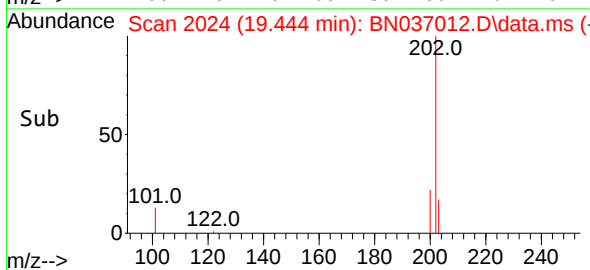
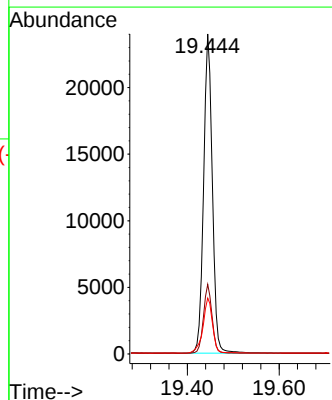
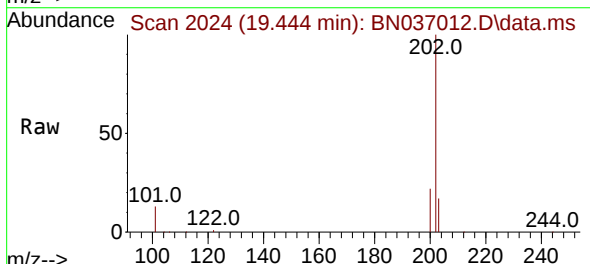
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

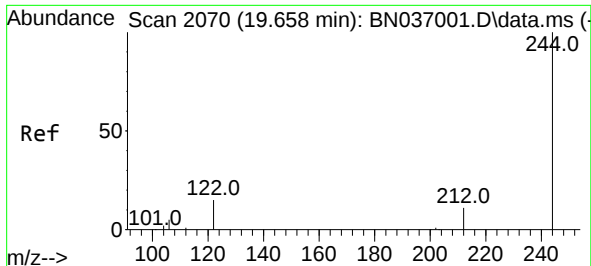
Tgt Ion:240 Resp: 8426
Ion Ratio Lower Upper
240 100
120 9.4 15.1 22.7#
236 27.4 24.0 36.0



#30
Pyrene
Concen: 0.876 ng
RT: 19.444 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:202 Resp: 31584
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.8 14.2 21.4

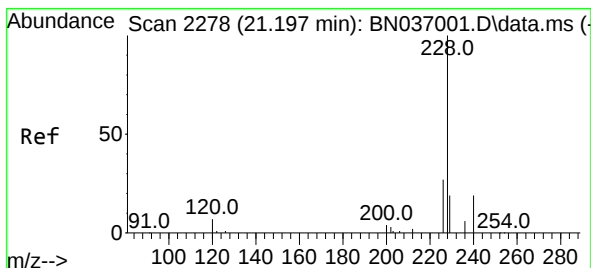
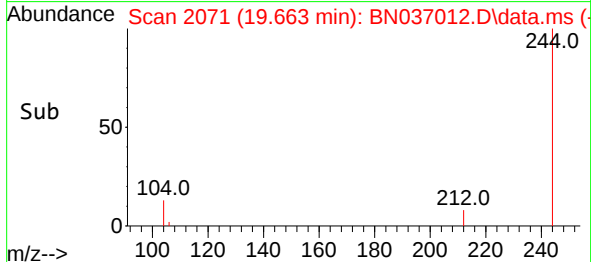
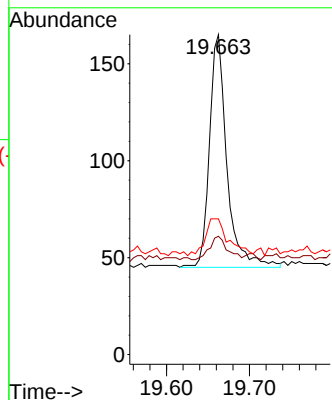
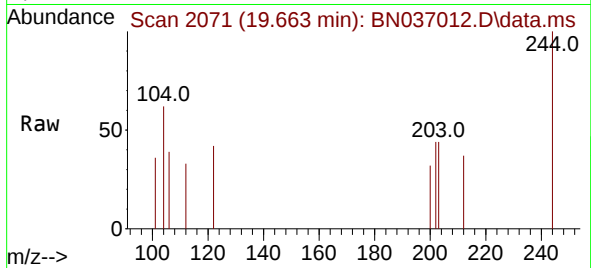




#31
 Terphenyl-d14
 Concen: 0.010 ng
 RT: 19.663 min Scan# 2071
 Delta R.T. 0.005 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

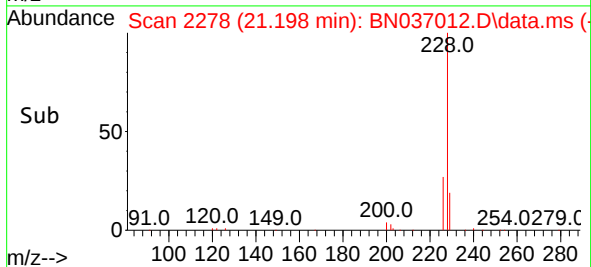
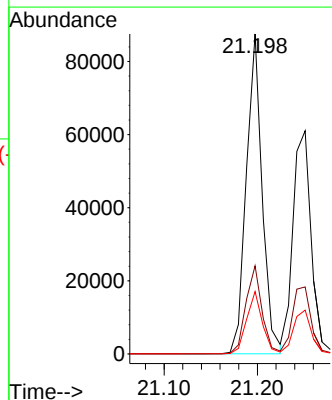
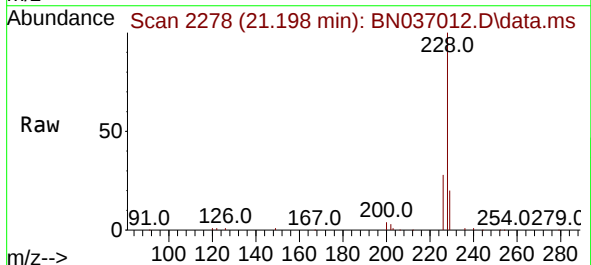
Instrument :
 BNA_N
 ClientSampleId :
 38072-062223DL

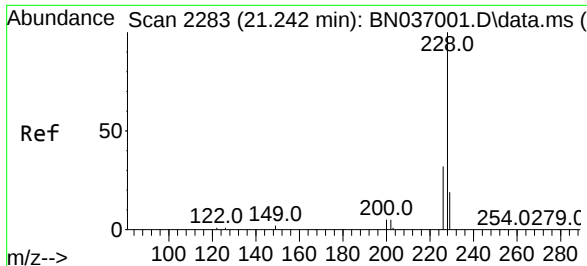
Tgt Ion:244 Resp: 175
 Ion Ratio Lower Upper
 244 100
 212 37.0 9.7 14.5#
 122 42.4 13.4 20.0#



#32
 Benzo(a)anthracene
 Concen: 3.270 ng
 RT: 21.198 min Scan# 2278
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Tgt Ion:228 Resp: 103756
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.2 33.4
 229 19.5 16.0 24.0





#33

Chrysene

Concen: 2.503 ng

RT: 21.251 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

Instrument :

BNA_N

ClientSampleId :

38072-062223DL

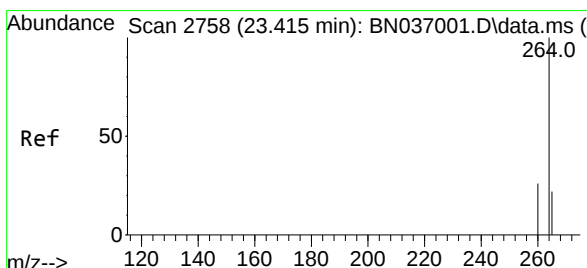
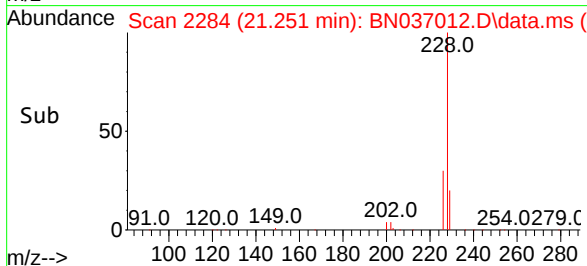
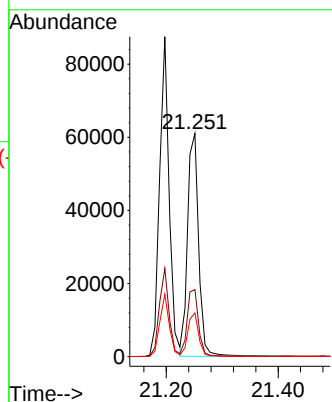
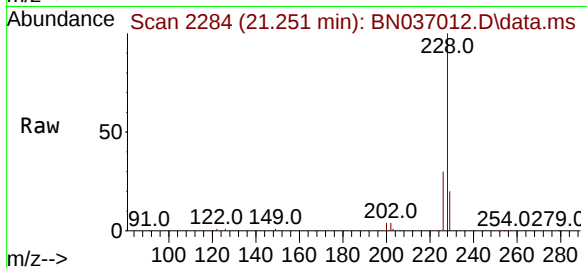
Tgt Ion:228 Resp: 84001

Ion Ratio Lower Upper

228 100

226 30.1 26.3 39.5

229 19.6 16.2 24.2



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.418 min Scan# 2759

Delta R.T. 0.003 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

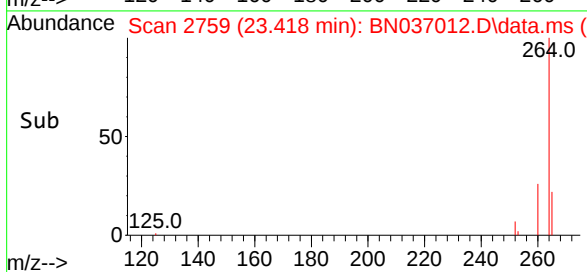
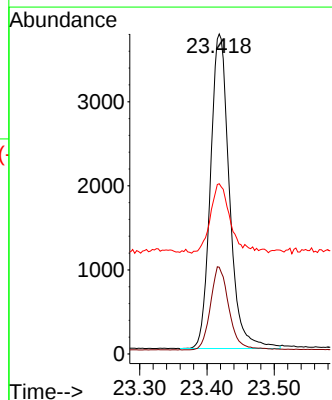
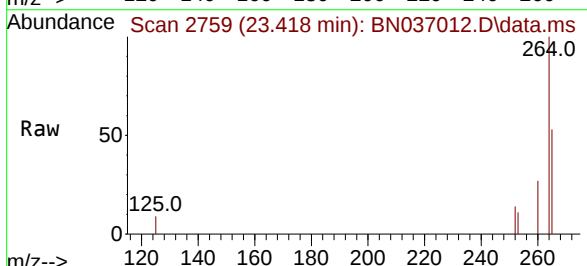
Tgt Ion:264 Resp: 7346

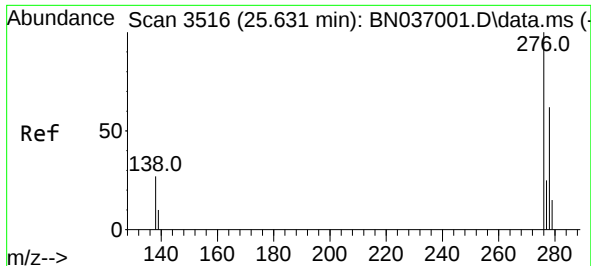
Ion Ratio Lower Upper

264 100

260 27.1 21.9 32.9

265 53.2 51.6 77.4

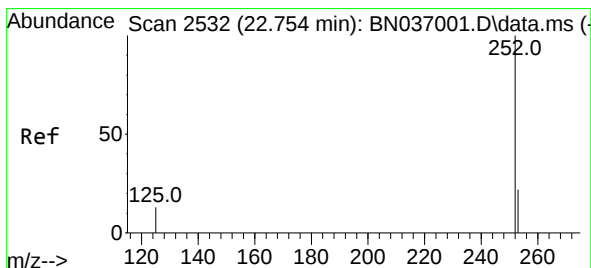
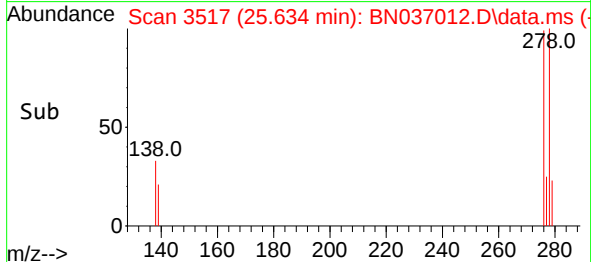
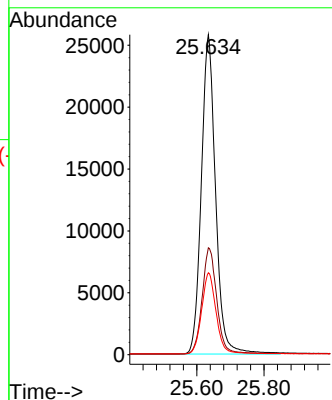
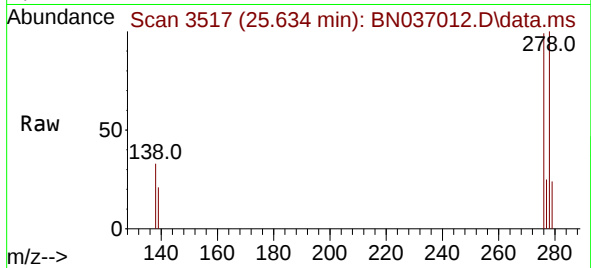




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.530 ng
 RT: 25.634 min Scan# 3516
 Delta R.T. 0.003 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

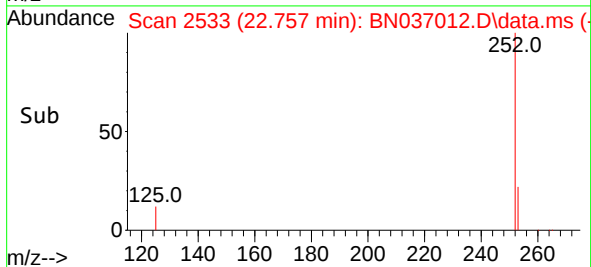
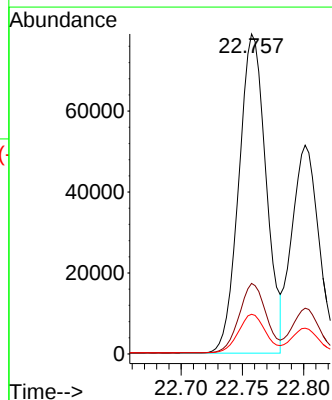
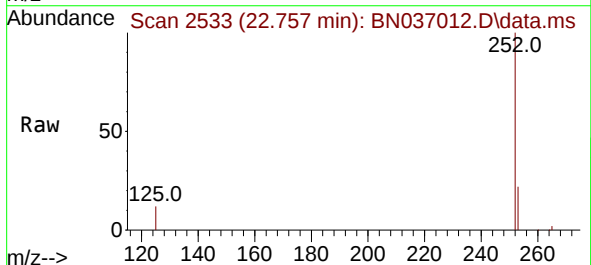
Instrument :
 BNA_N
 ClientSampleId :
 38072-062223DL

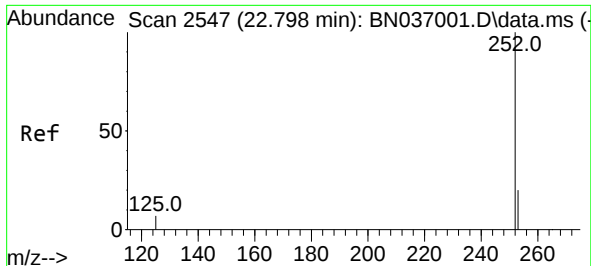
Tgt Ion:276 Resp: 75917
 Ion Ratio Lower Upper
 276 100
 138 33.9 22.7 34.1
 277 25.8 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 4.000 ng
 RT: 22.757 min Scan# 2533
 Delta R.T. 0.003 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

Tgt Ion:252 Resp: 121890
 Ion Ratio Lower Upper
 252 100
 253 22.0 21.8 32.6
 125 12.4 14.6 21.8#

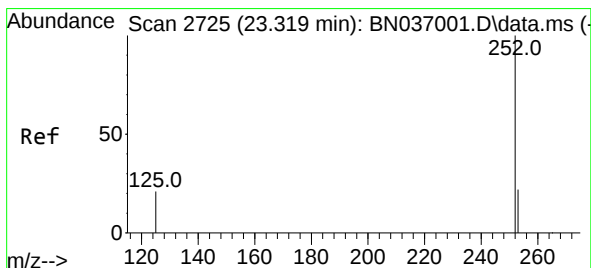
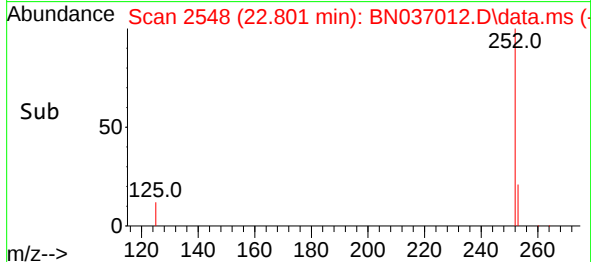
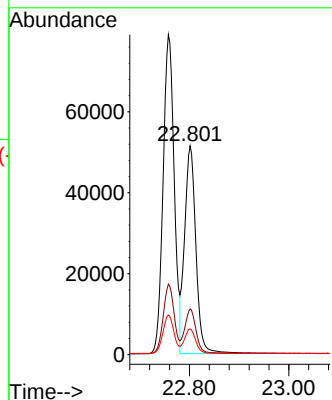
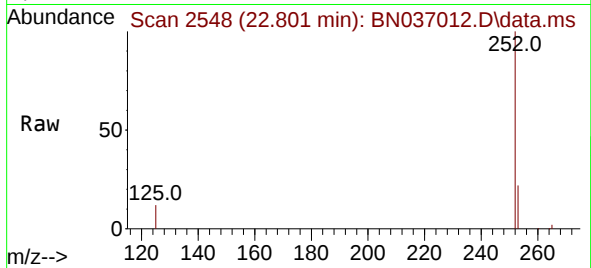




#38
Benzo(k)fluoranthene
Concen: 2.704 ng
RT: 22.801 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

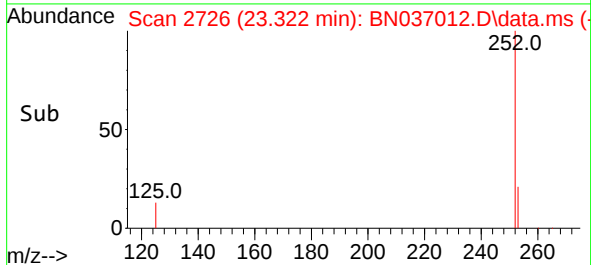
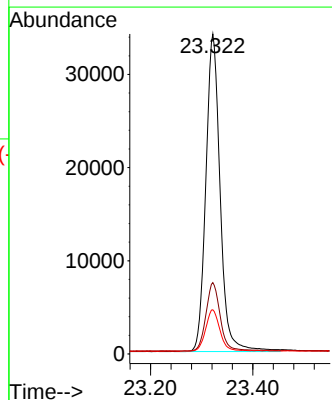
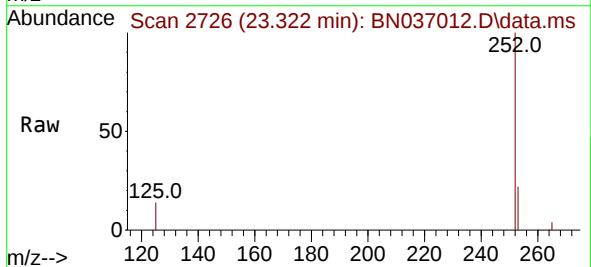
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

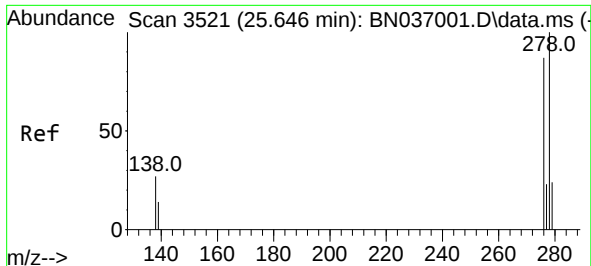
Tgt Ion:252 Resp: 81374
Ion Ratio Lower Upper
252 100
253 21.9 21.4 32.2
125 12.3 13.0 19.4#



#39
Benzo(a)pyrene
Concen: 2.563 ng
RT: 23.322 min Scan# 2726
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

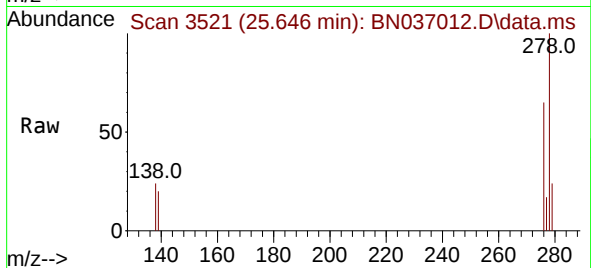
Tgt Ion:252 Resp: 66234
Ion Ratio Lower Upper
252 100
253 22.3 23.8 35.6#
125 13.8 21.8 32.6#



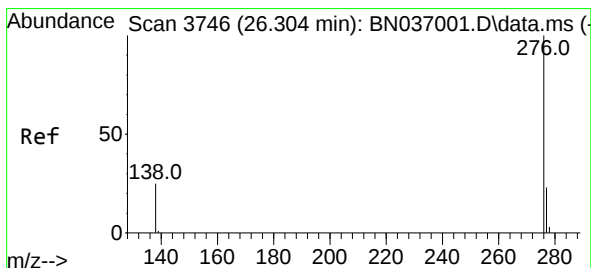
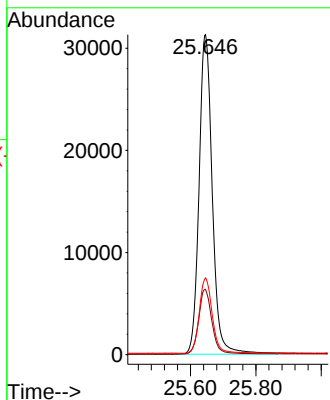
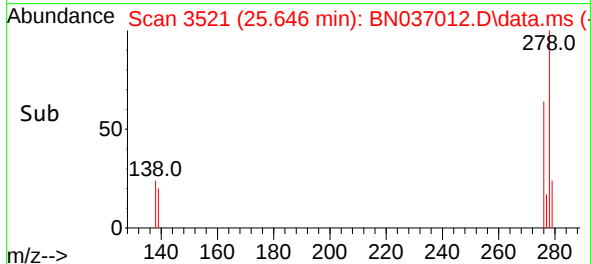


#40
Dibenzo(a,h)anthracene
Concen: 3.769 ng
RT: 25.646 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Instrument :
BNA_N
ClientSampleId :
38072-062223DL



Tgt Ion:278 Resp: 88083
Ion Ratio Lower Upper
278 100
139 20.4 17.4 26.0
279 24.0 24.6 37.0#



#41
Benzo(g,h,i)perylene
Concen: 1.514 ng
RT: 26.307 min Scan# 3747
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Tgt Ion:276 Resp: 38434
Ion Ratio Lower Upper
276 100
277 23.5 20.2 30.4
138 26.7 22.0 33.0

