

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)

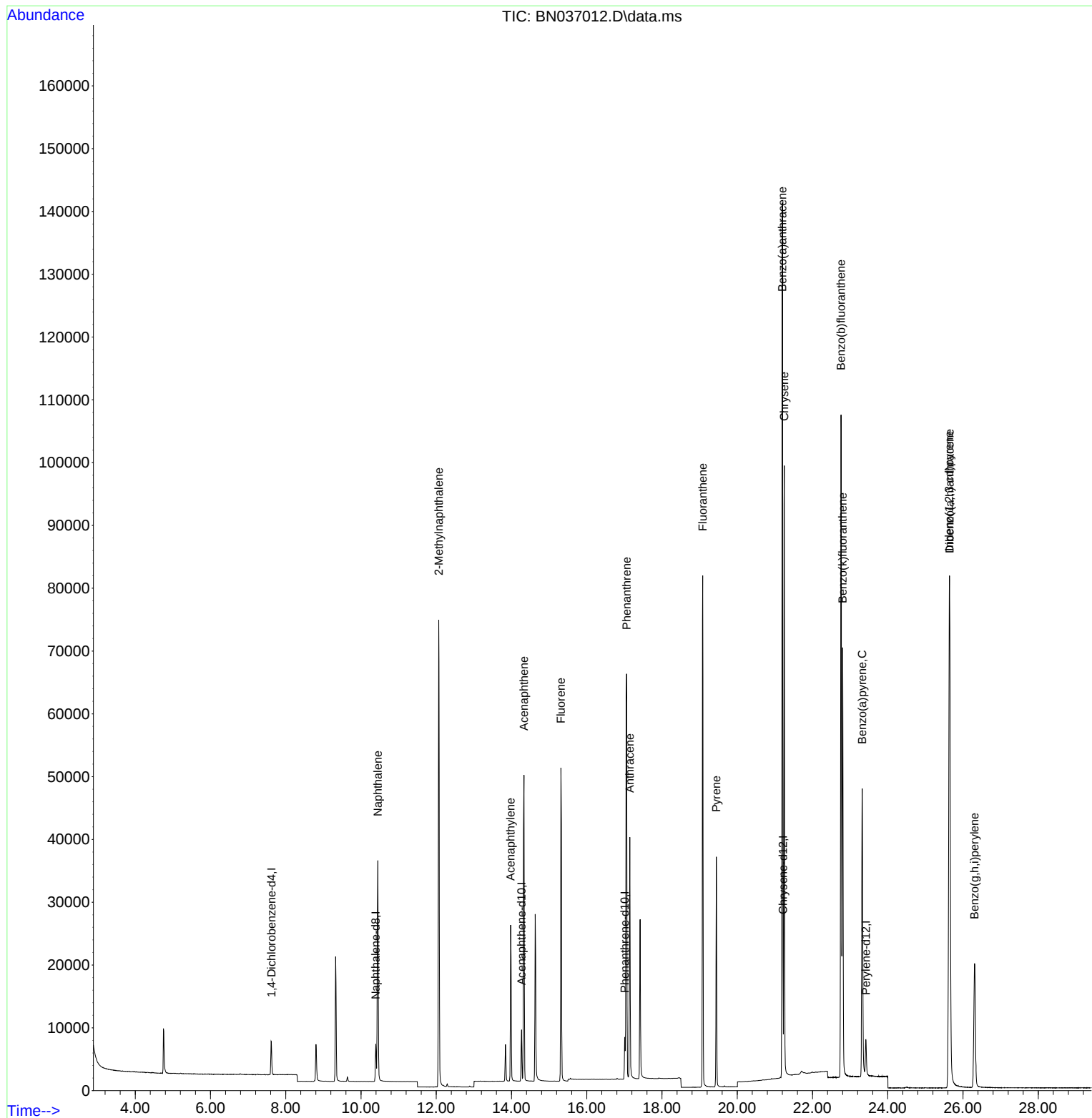
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2749	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	7479	0.40	ng	#-0.01
13) Acenaphthene-d10	14.267	164	4290	0.40	ng	0.00
19) Phenanthrene-d10	17.009	188	8579	0.40	ng	0.00
29) Chrysene-d12	21.215	240	8426	0.40	ng	# 0.00
35) Perylene-d12	23.418	264	7346	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	65	0.01	ng	0.00
5) Phenol-d6	6.795	99	81	0.01	ng	0.00
8) Nitrobenzene-d5	8.760	82	83	0.01	ng	-0.01
11) 2-Methylnaphthalene-d10	11.996	152	91	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	25	0.01	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	149	0.01	ng	0.00
27) Fluoranthene-d10	19.049	212	207	0.01	ng	0.00
31) Terphenyl-d14	19.663	244	175	0.01	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.447	128	44934	2.03	ng	96
12) 2-Methylnaphthalene	12.067	142	51202	3.60	ng	98
16) Acenaphthylene	13.978	152	26807	1.28	ng	100
17) Acenaphthene	14.331	154	23270	1.71	ng	99
18) Fluorene	15.314	166	31053	1.73	ng	99
25) Phenanthrene	17.058	178	73590	2.62	ng	100
26) Anthracene	17.145	178	37527	1.47	ng	99
28) Fluoranthene	19.082	202	70260	2.10	ng	99
30) Pyrene	19.444	202	31584	0.88	ng	99
32) Benzo(a)anthracene	21.198	228	103756	3.27	ng	99
33) Chrysene	21.251	228	84001	2.50	ng	96
36) Indeno(1,2,3-cd)pyrene	25.634	276	75917	2.53	ng	94
37) Benzo(b)fluoranthene	22.757	252	121890	4.00	ng	# 89
38) Benzo(k)fluoranthene	22.801	252	81374	2.70	ng	# 91
39) Benzo(a)pyrene	23.322	252	66234	2.56	ng	# 81
40) Dibenzo(a,h)anthracene	25.646	278	88083	3.77	ng	# 92
41) Benzo(g,h,i)perylene	26.307	276	38434	1.51	ng	97

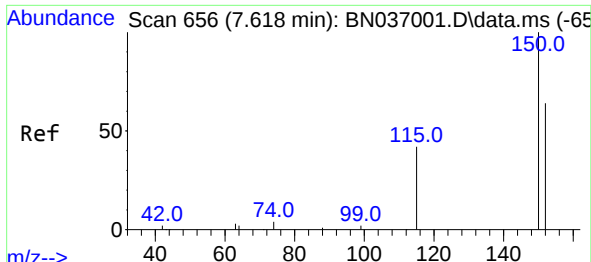
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
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Operator : RC/JU
Sample : Q2000-01DL 50X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-06223DL

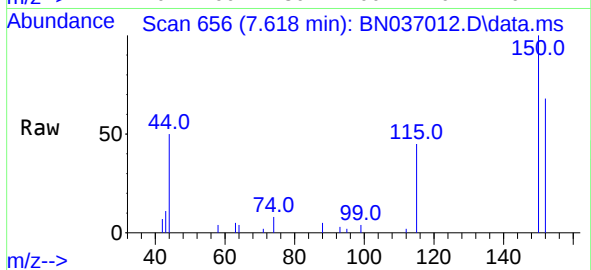
Quant Time: May 14 13:54:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration



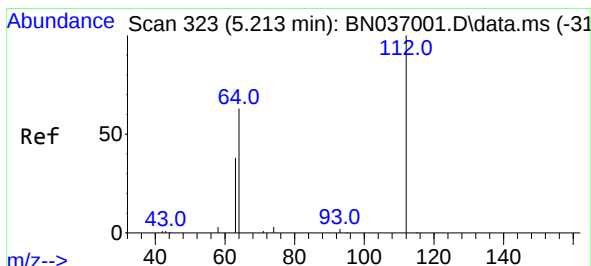
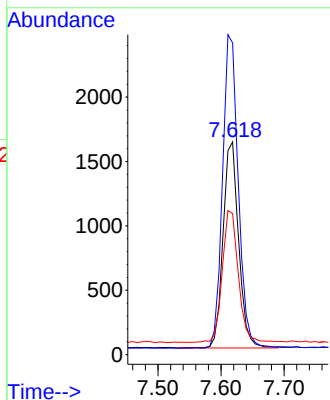
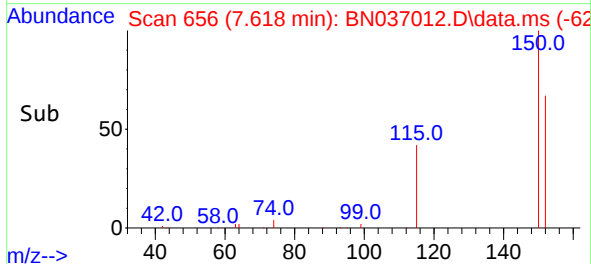


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.618 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Instrument :
BNA_N
ClientSampleId :
38072-062223DL

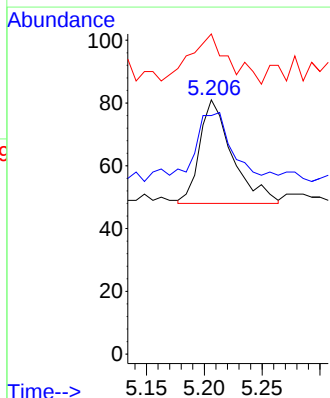
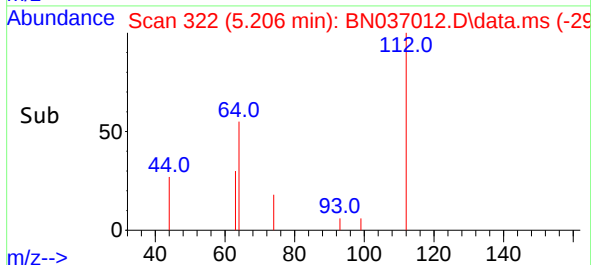
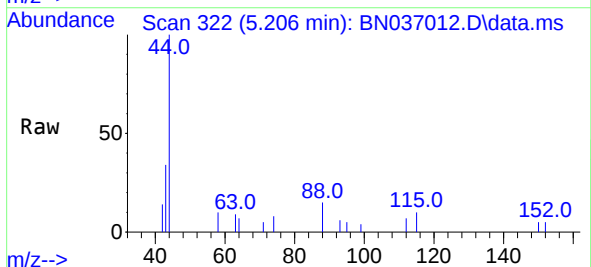


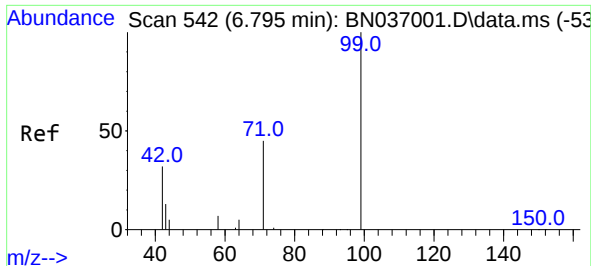
Tgt Ion:152 Resp: 2749
Ion Ratio Lower Upper
152 100
150 146.6 123.9 185.9
115 66.3 55.8 83.8



#4
2-Fluorophenol
Concen: 0.01 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

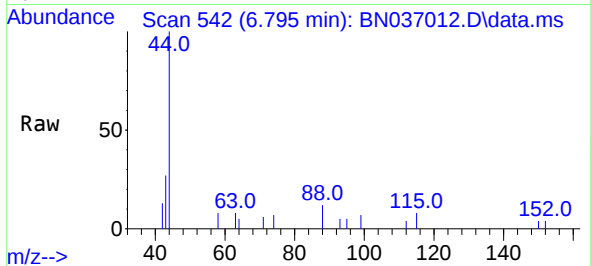
Tgt Ion:112 Resp: 65
Ion Ratio Lower Upper
112 100
64 58.5 55.7 83.5
63 58.5 34.6 51.8#



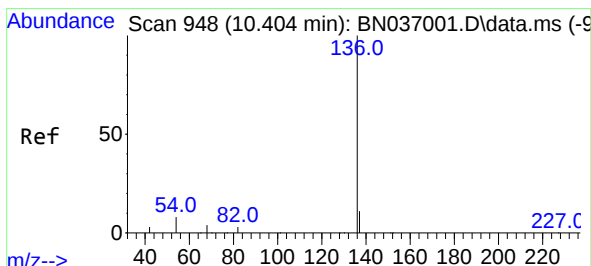
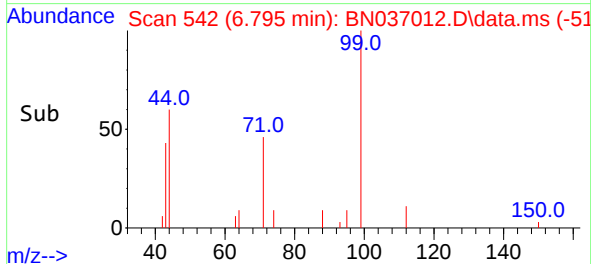
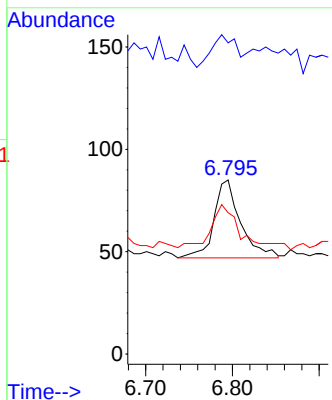


#5
Phenol-d6
Concen: 0.01 ng
RT: 6.795 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Instrument :
BNA_N
ClientSampleId :
38072-062223DL

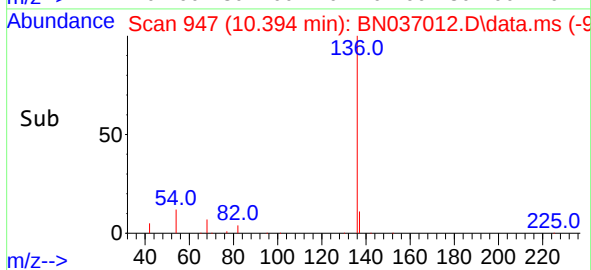
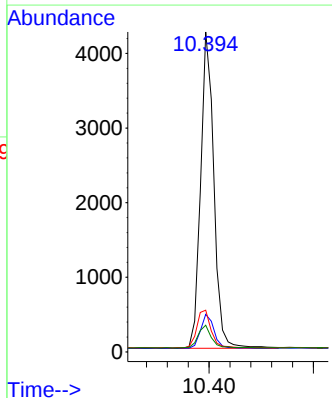
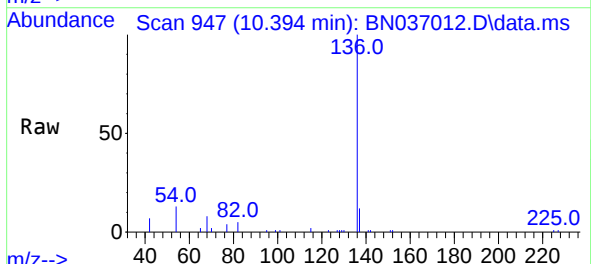


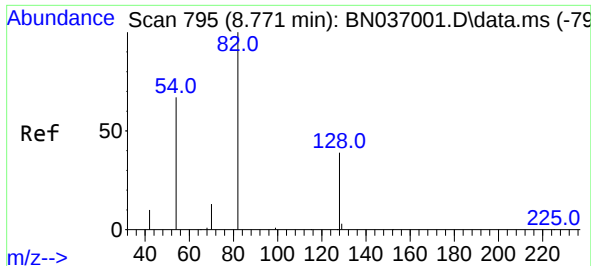
Tgt Ion: 99 Resp: 81
Ion Ratio Lower Upper
99 100
42 40.7 29.3 43.9
71 53.1 35.7 53.5



#7
Naphthalene-d8
Concen: 0.40 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#

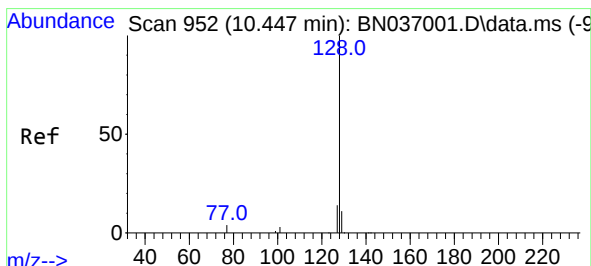
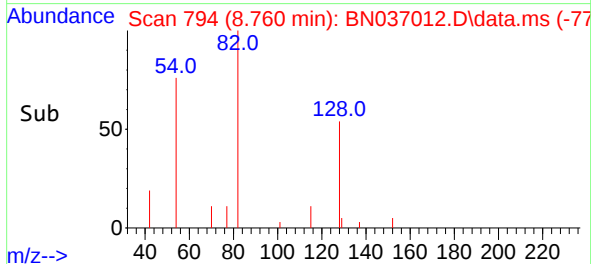
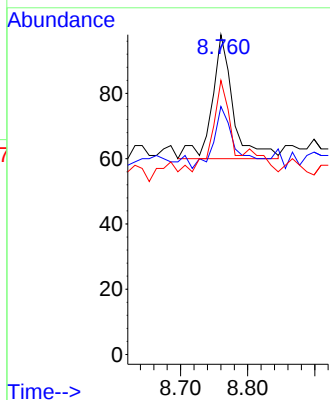
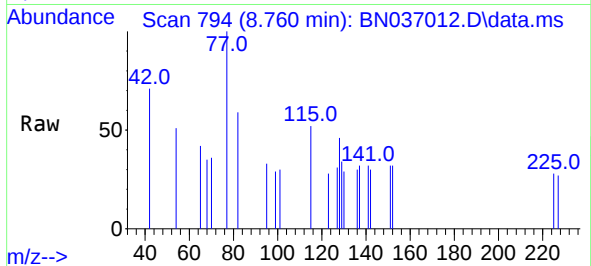




#8
Nitrobenzene-d5
Concen: 0.01 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

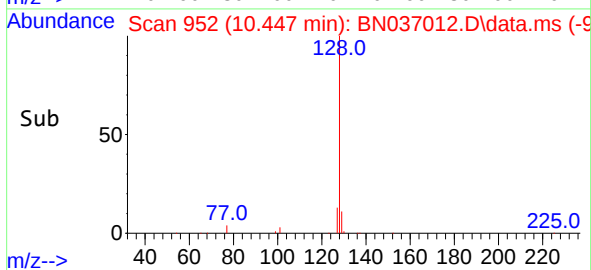
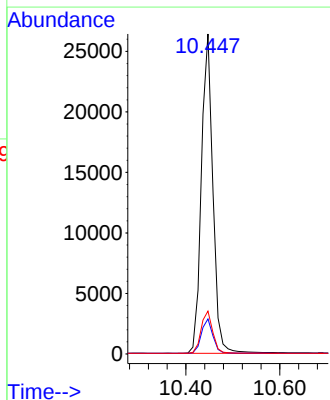
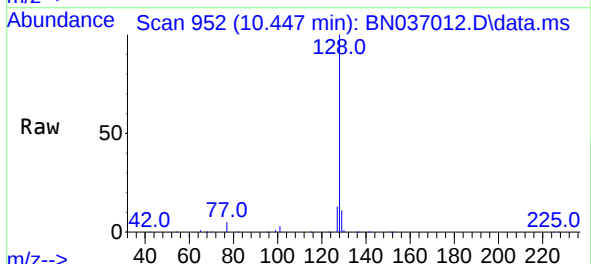
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

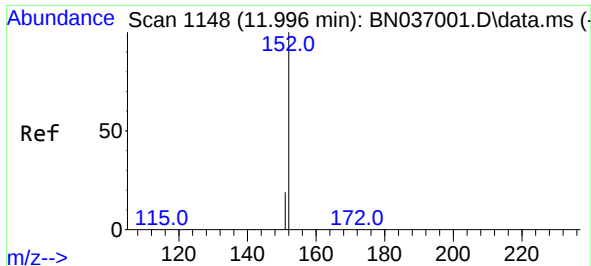
Tgt Ion: 82 Resp: 83
Ion Ratio Lower Upper
82 100
128 77.6 34.0 51.0#
54 85.7 55.0 82.4#



#9
Naphthalene
Concen: 2.03 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

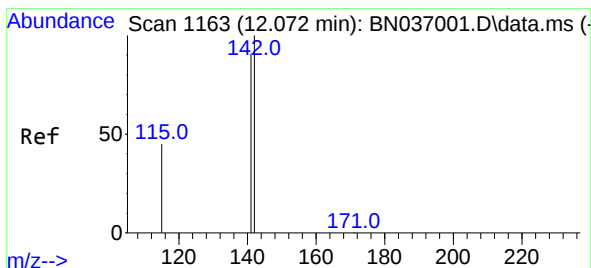
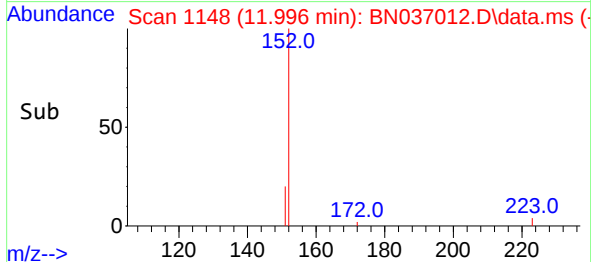
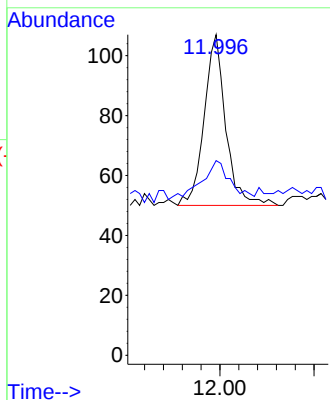
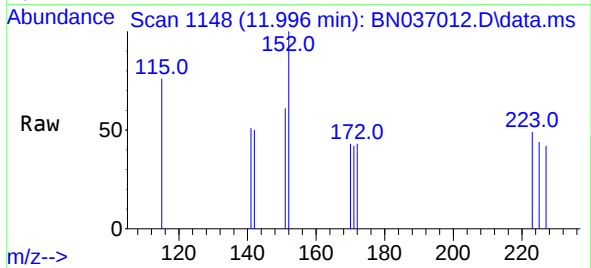




#11
2-Methylnaphthalene-d10
Concen: 0.01 ng
RT: 11.996 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

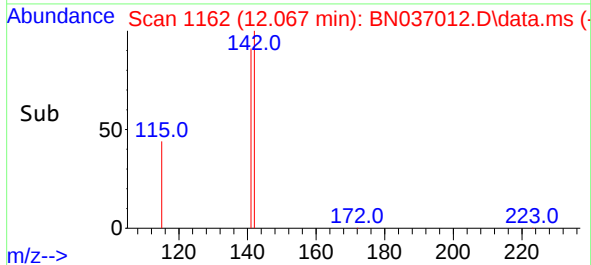
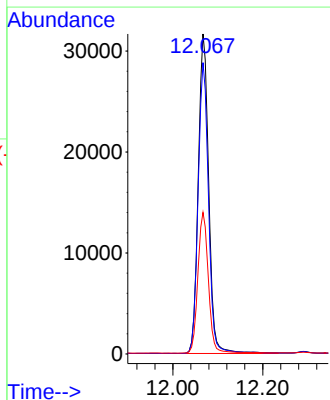
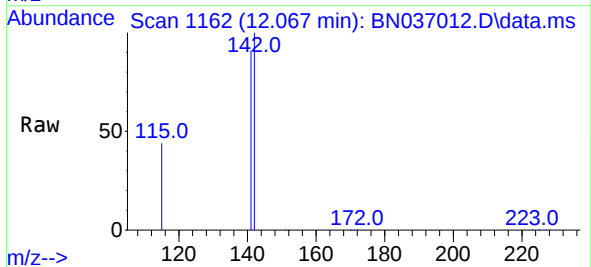
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

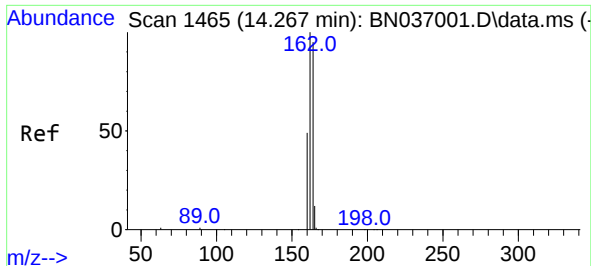
Tgt Ion:152 Resp: 91
Ion Ratio Lower Upper
152 100
151 26.4 17.5 26.3#



#12
2-Methylnaphthalene
Concen: 3.60 ng
RT: 12.067 min Scan# 1162
Delta R.T. -0.005 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

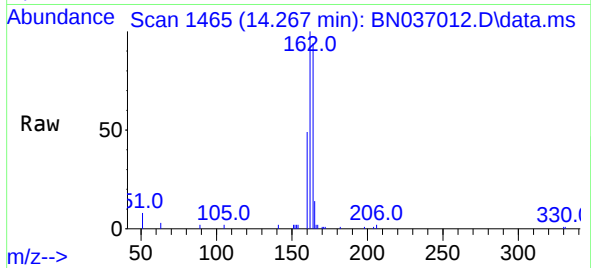
Tgt Ion:142 Resp: 51202
Ion Ratio Lower Upper
142 100
141 91.1 73.3 109.9
115 44.3 38.4 57.6



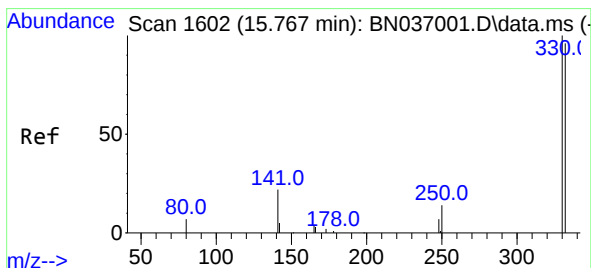
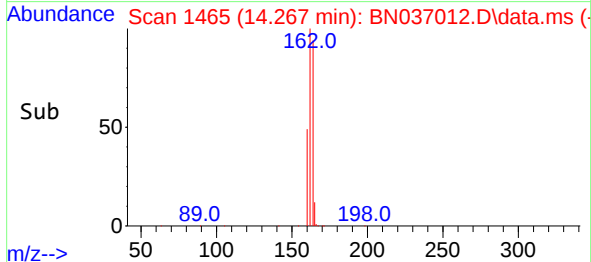
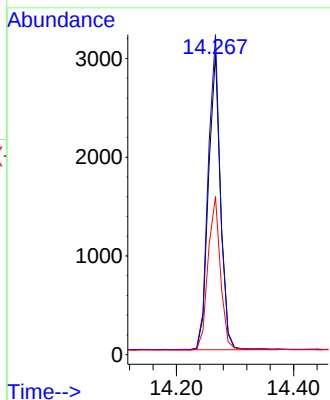


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.267 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

Instrument :
BNA_N
ClientSampleId :
38072-062223DL

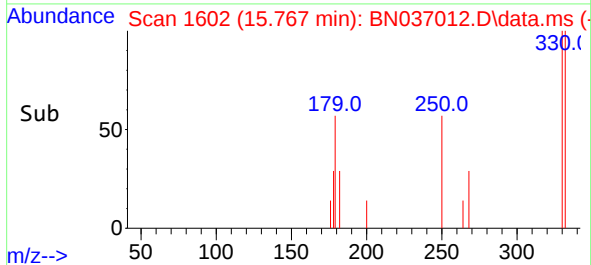
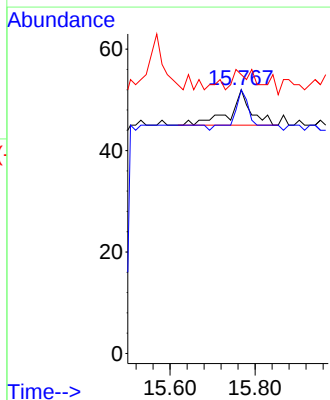
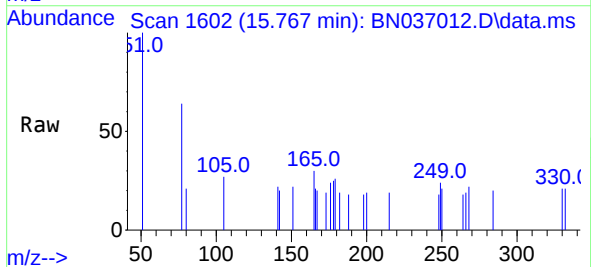


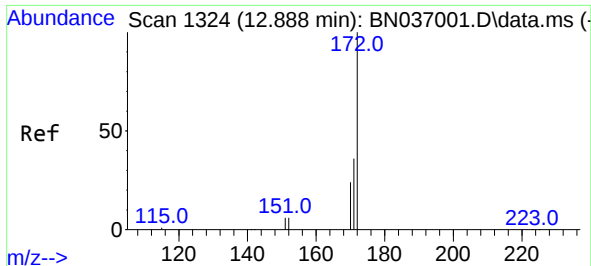
Tgt Ion:164 Resp: 4290
Ion Ratio Lower Upper
164 100
162 106.1 84.2 126.4
160 52.4 42.6 63.8



#14
2,4,6-Tribromophenol
Concen: 0.01 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

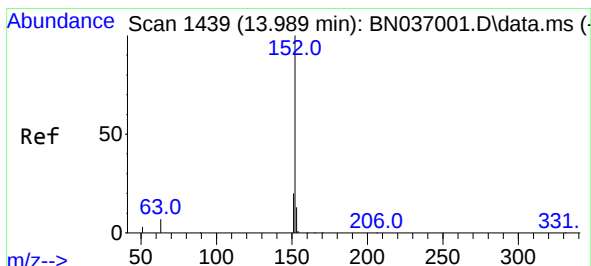
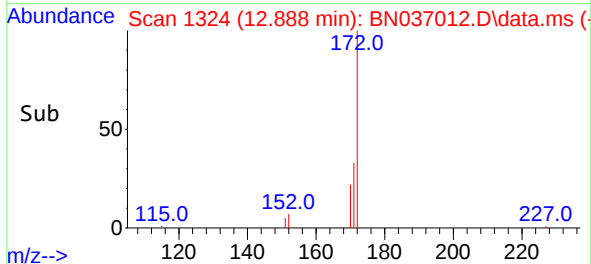
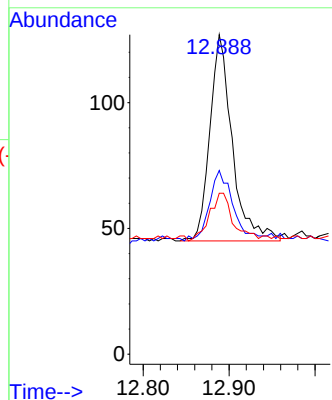
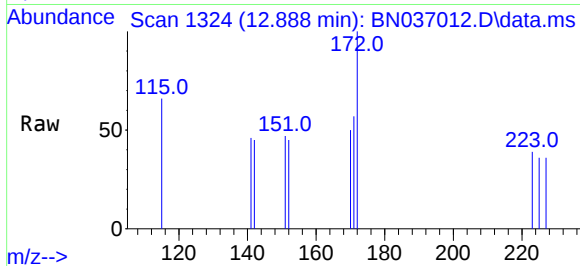




#15
2-Fluorobiphenyl
Concen: 0.01 ng
RT: 12.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

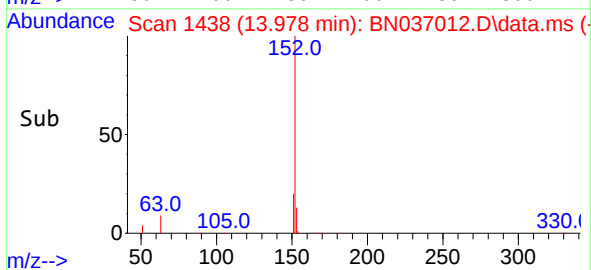
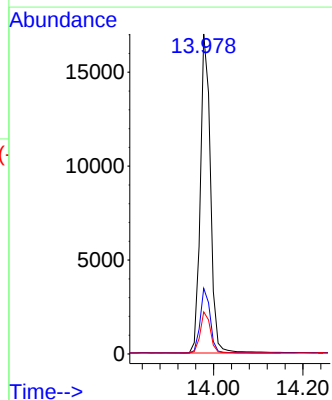
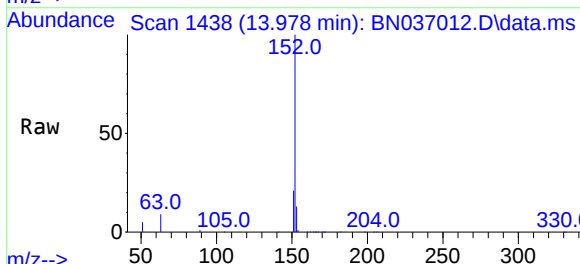
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ClientSampleId :
38072-062223DL

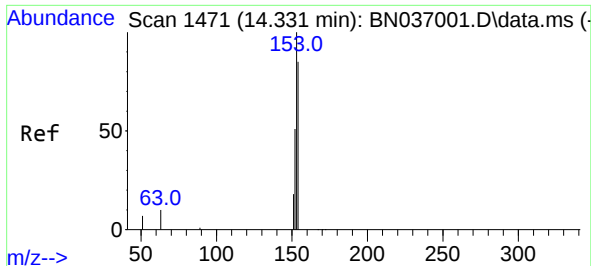
Tgt Ion:172 Resp: 149
Ion Ratio Lower Upper
172 100
171 57.5 29.2 43.8#
170 50.4 20.5 30.7#



#16
Acenaphthylene
Concen: 1.28 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

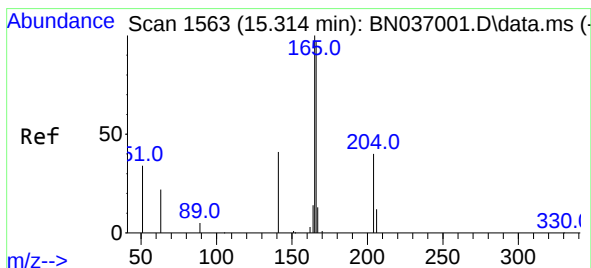
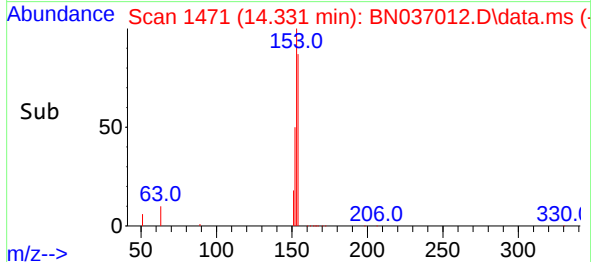
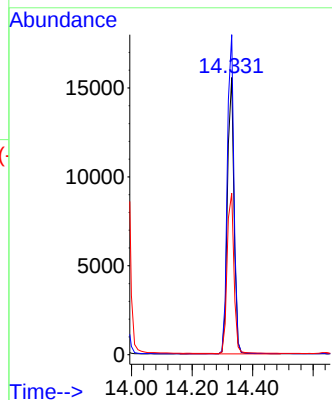
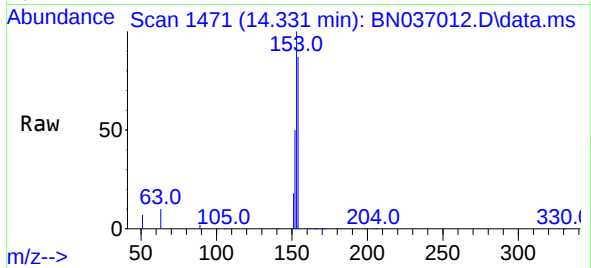




#17
Acenaphthene
Concen: 1.71 ng
RT: 14.331 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

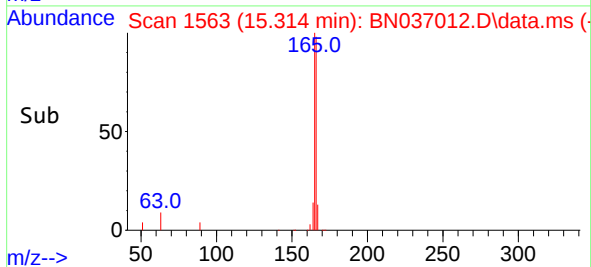
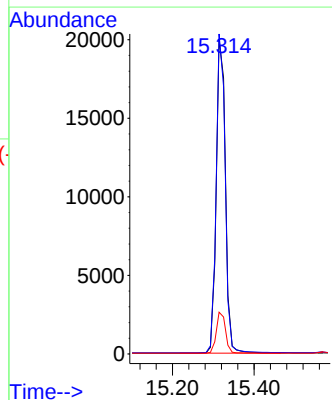
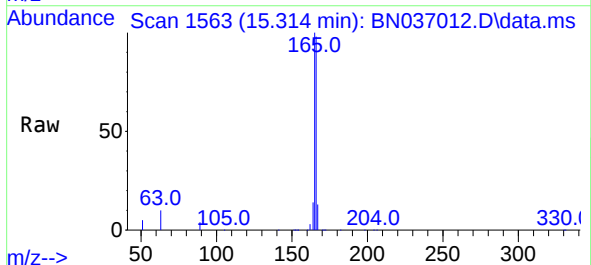
Instrument :
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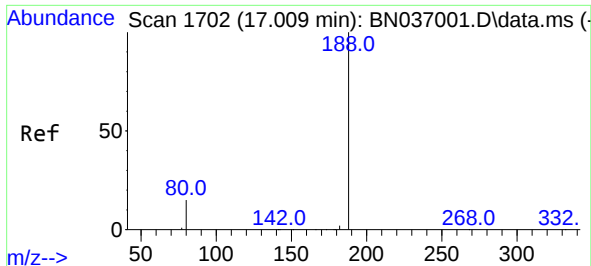
Tgt Ion:154 Resp: 23270
Ion Ratio Lower Upper
154 100
153 116.8 94.2 141.4
152 60.8 49.4 74.0



#18
Fluorene
Concen: 1.73 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

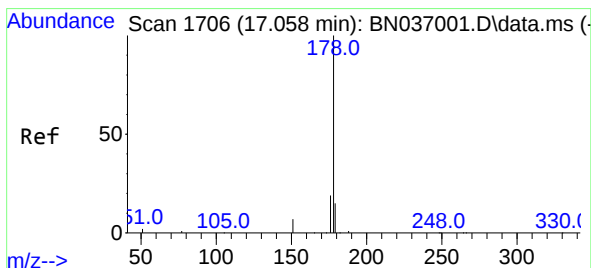
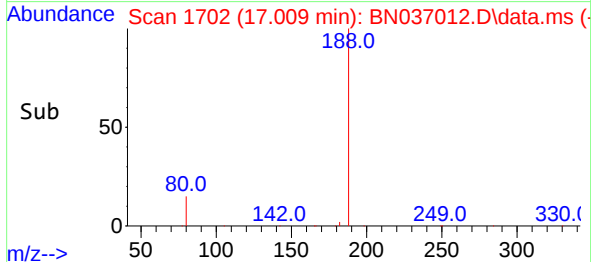
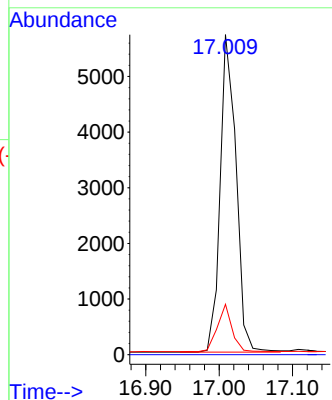
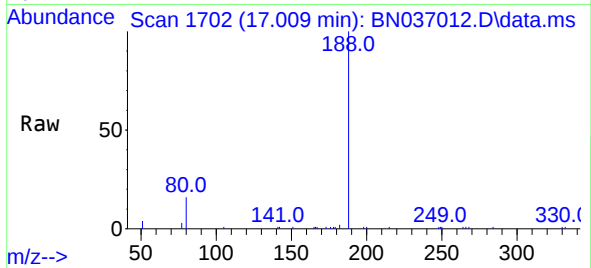




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.009 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

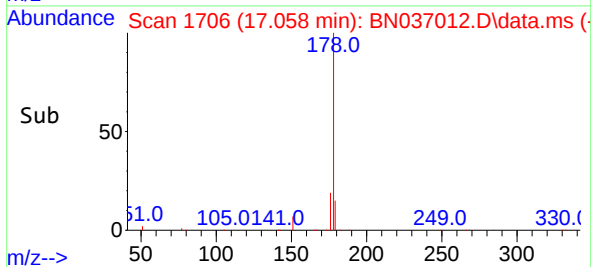
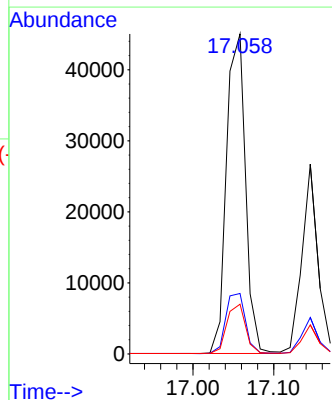
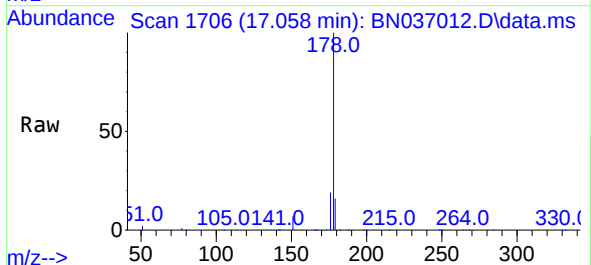
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

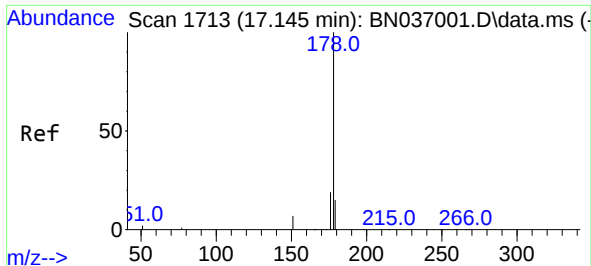
Tgt Ion:188 Resp: 8579
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.8 13.4 20.0



#25
Phenanthrene
Concen: 2.62 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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

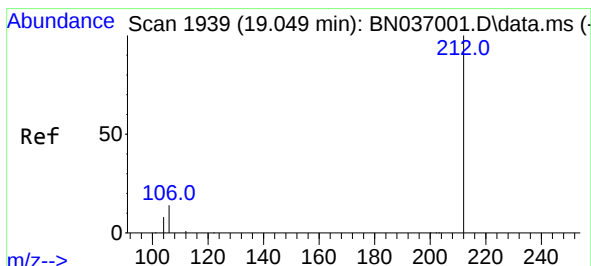
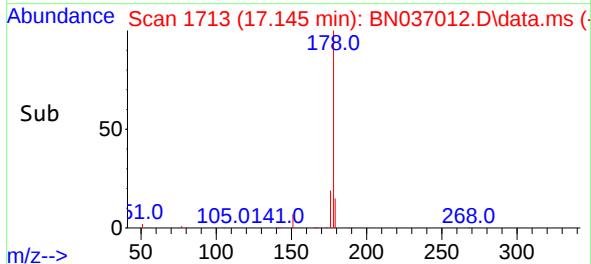
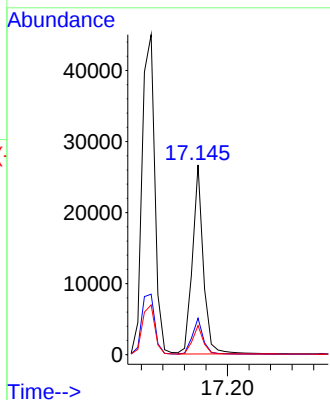
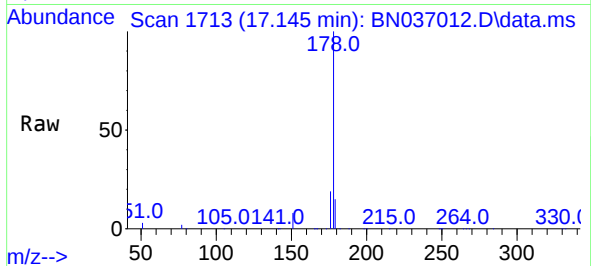




#26
 Anthracene
 Concen: 1.47 ng
 RT: 17.145 min Scan# 1713
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

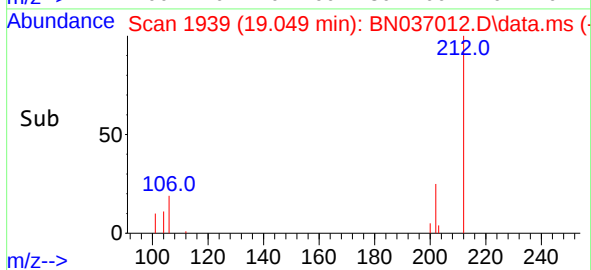
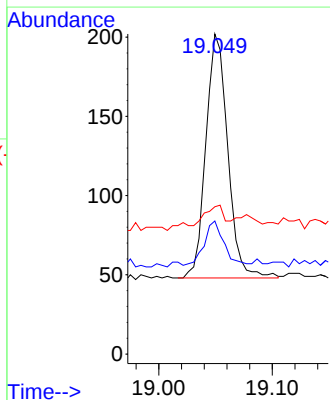
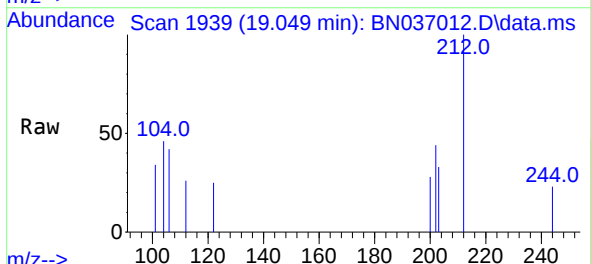
Instrument :
 BNA_N
 ClientSampleId :
 38072-062223DL

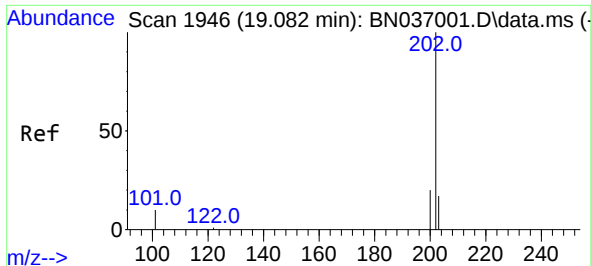
Tgt Ion:178 Resp: 37527
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 15.1 12.3 18.5



#27
 Fluoranthene-d10
 Concen: 0.01 ng
 RT: 19.049 min Scan# 1939
 Delta R.T. 0.000 min
 Lab File: BN037012.D
 Acq: 14 May 2025 13:29

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

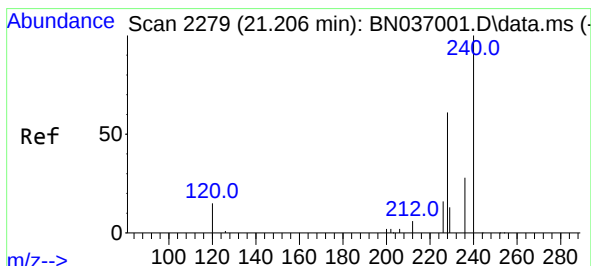
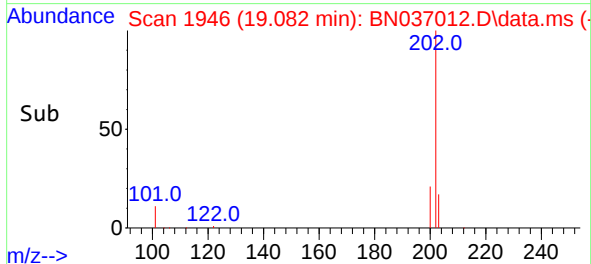
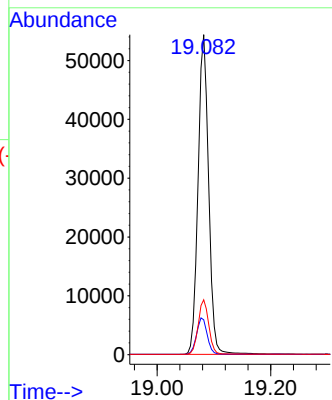
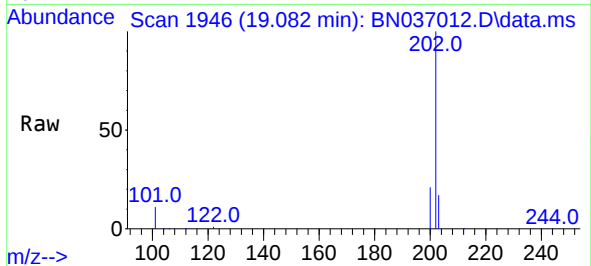




#28
Fluoranthene
Concen: 2.10 ng
RT: 19.082 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

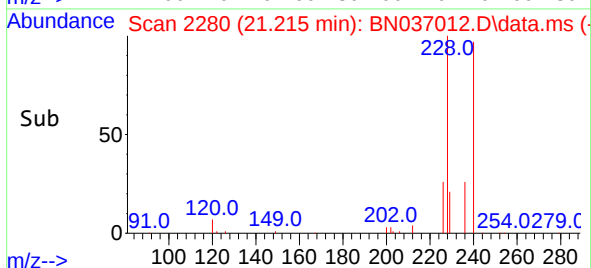
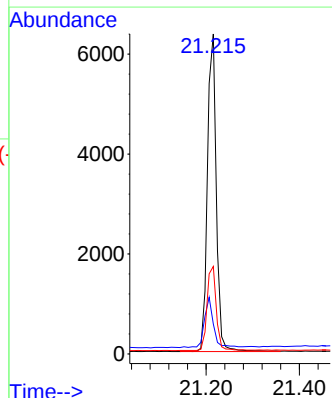
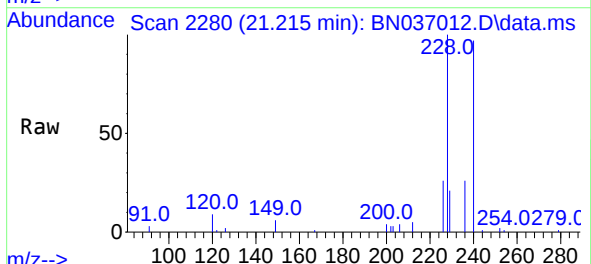
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

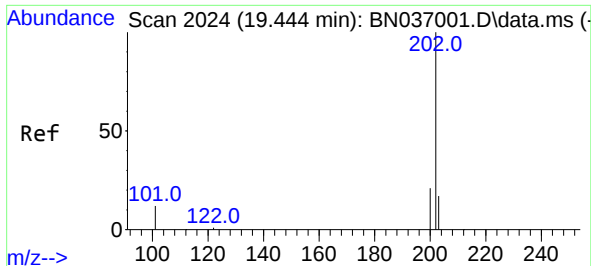
Tgt Ion:202 Resp: 70260
Ion Ratio Lower Upper
202 100
101 11.6 8.9 13.3
203 17.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.215 min Scan# 2280
Delta R.T. 0.009 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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

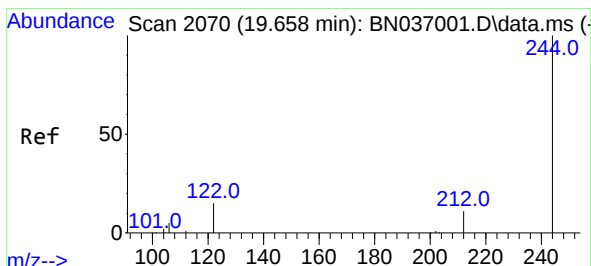
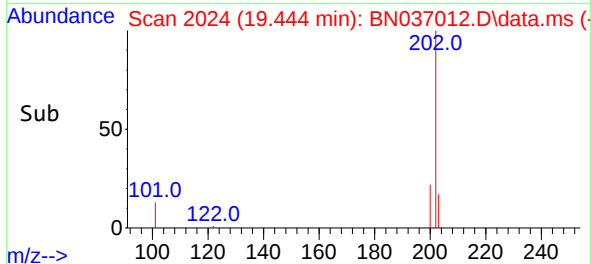
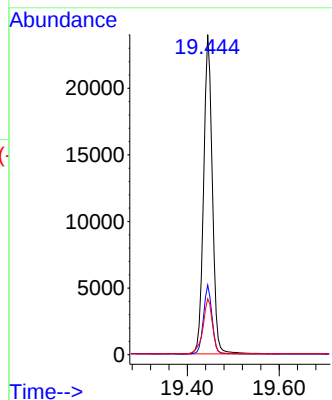
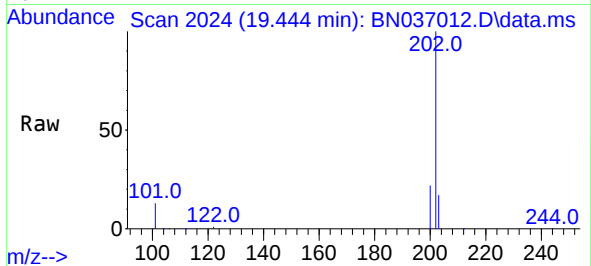




#30
Pyrene
Concen: 0.88 ng
RT: 19.444 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

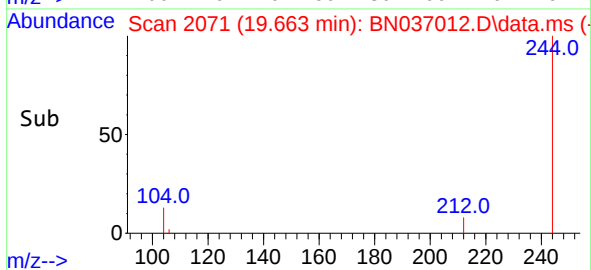
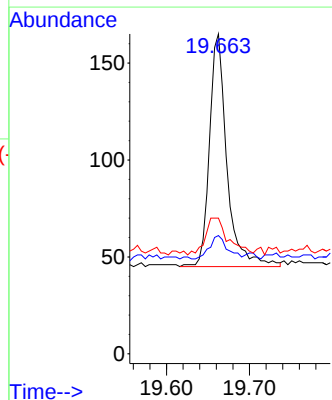
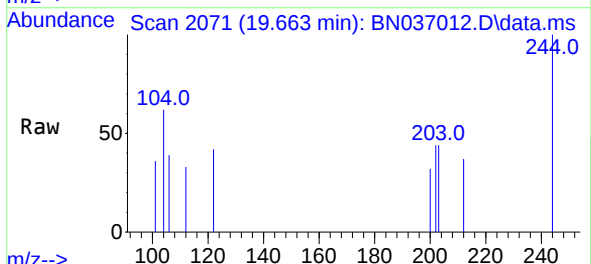
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

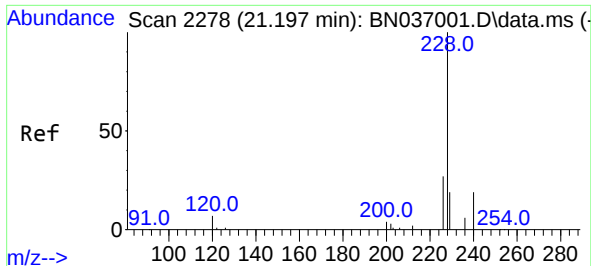
Tgt Ion:202 Resp: 31584
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 18.8 14.2 21.4



#31
Terphenyl-d14
Concen: 0.01 ng
RT: 19.663 min Scan# 2071
Delta R.T. 0.005 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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#

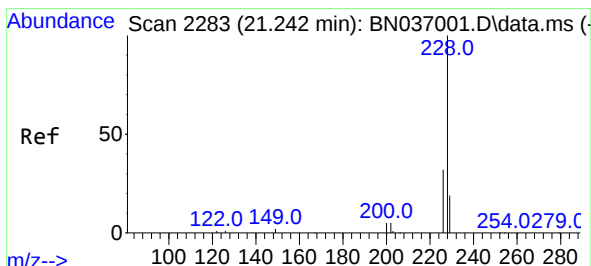
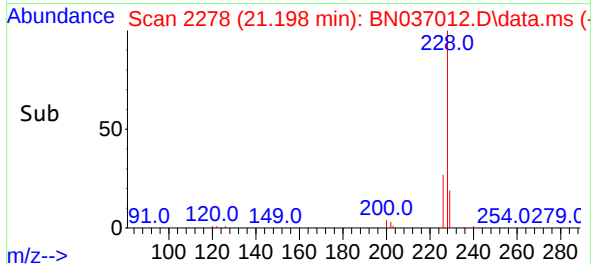
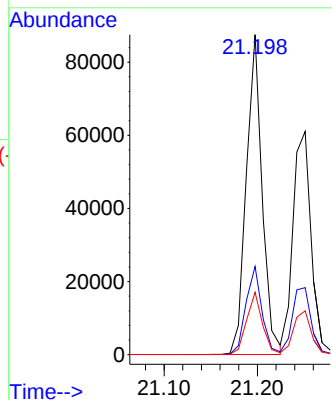
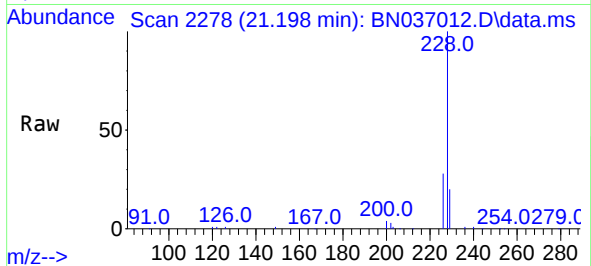




#32
Benzo(a)anthracene
Concen: 3.27 ng
RT: 21.198 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

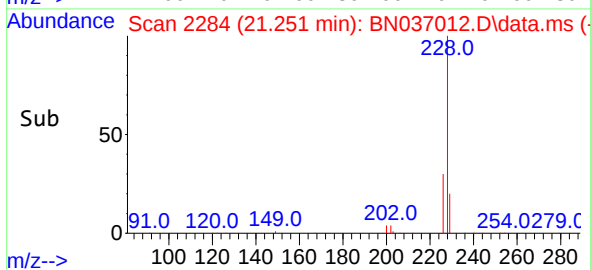
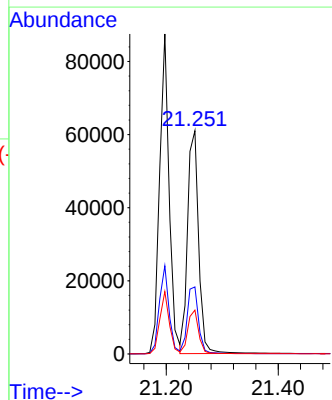
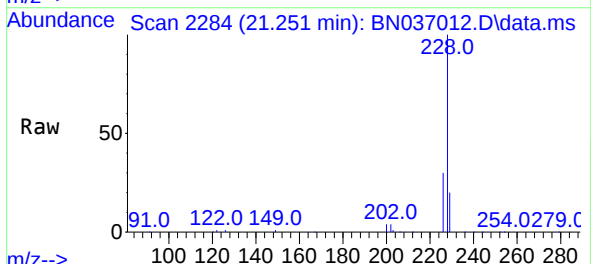
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

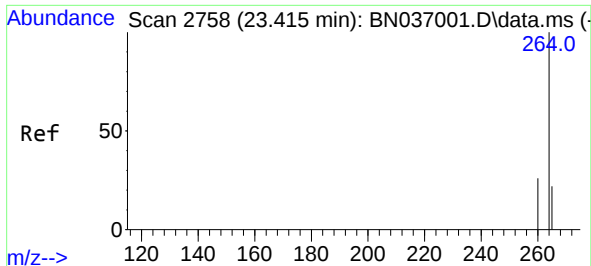
Tgt Ion:228 Resp: 103756
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.4
229 19.5 16.0 24.0



#33
Chrysene
Concen: 2.50 ng
RT: 21.251 min Scan# 2284
Delta R.T. 0.009 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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

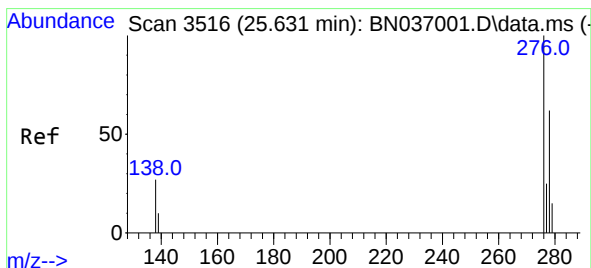
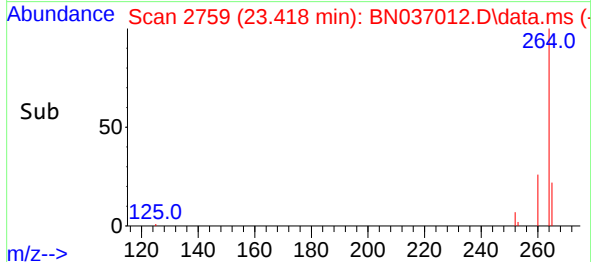
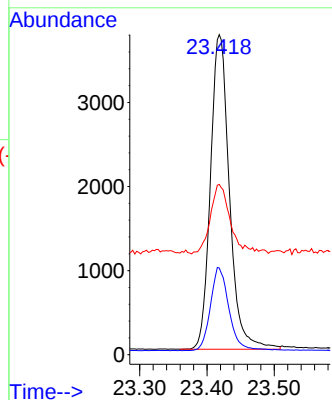
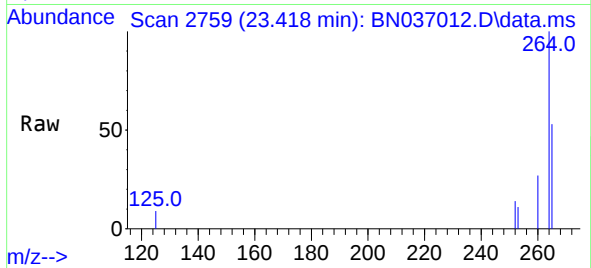




#35
Perylene-d12
Concen: 0.40 ng
RT: 23.418 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

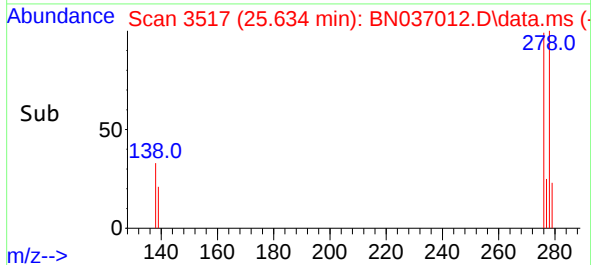
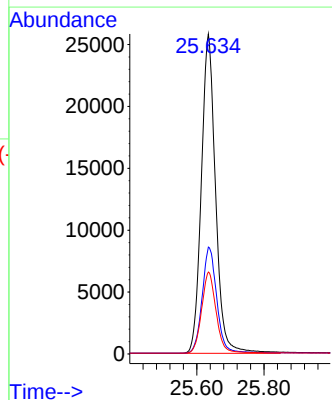
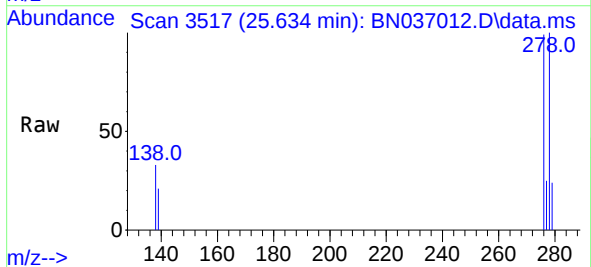
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

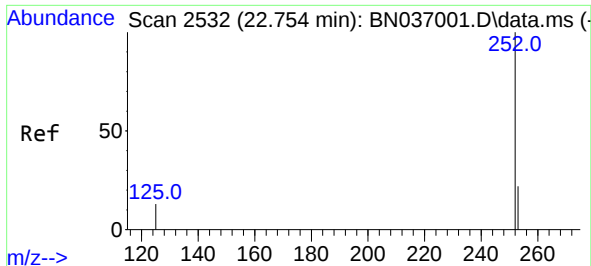
Tgt Ion:264 Resp: 7346
Ion Ratio Lower Upper
264 100
260 27.1 21.9 32.9
265 53.2 51.6 77.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 2.53 ng
RT: 25.634 min Scan# 3517
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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

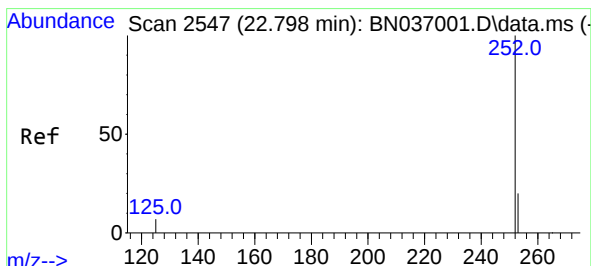
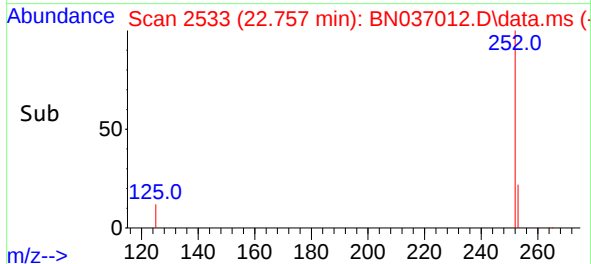
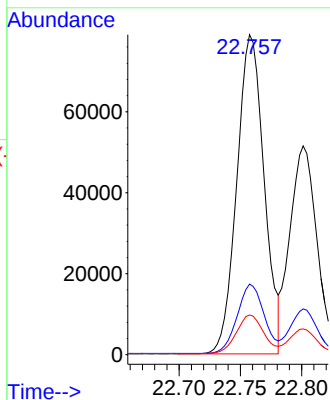
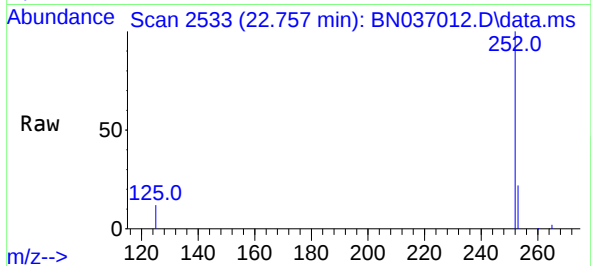




#37
Benzo(b)fluoranthene
Concen: 4.00 ng
RT: 22.757 min Scan# 2533
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

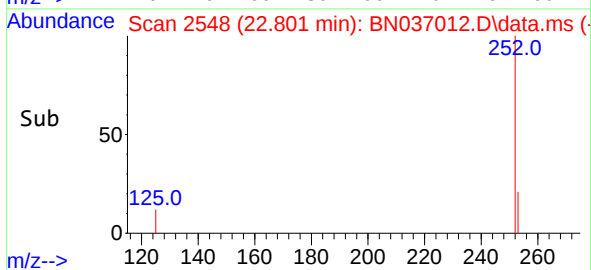
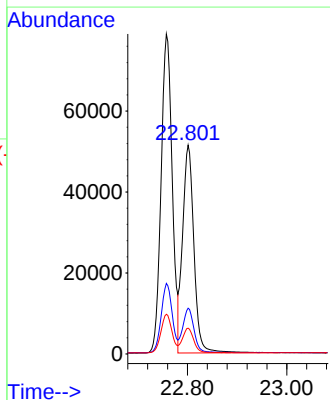
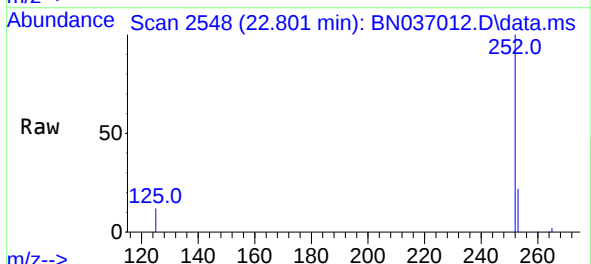
Instrument :
BNA_N
ClientSampleId :
38072-062223DL

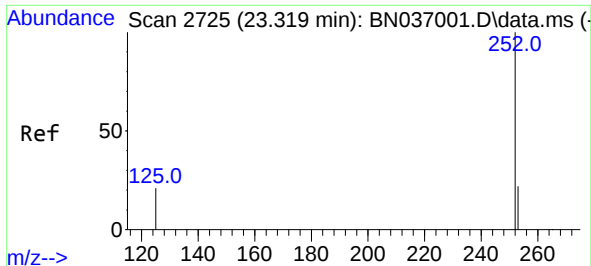
Tgt Ion:252 Resp: 121890
Ion Ratio Lower Upper
252 100
253 22.0 21.8 32.6
125 12.4 14.6 21.8#



#38
Benzo(k)fluoranthene
Concen: 2.70 ng
RT: 22.801 min Scan# 2548
Delta R.T. 0.003 min
Lab File: BN037012.D
Acq: 14 May 2025 13:29

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: 2.56 ng

RT: 23.322 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

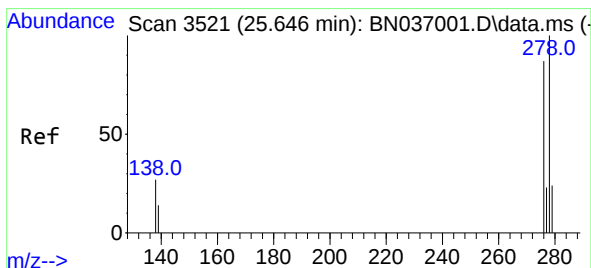
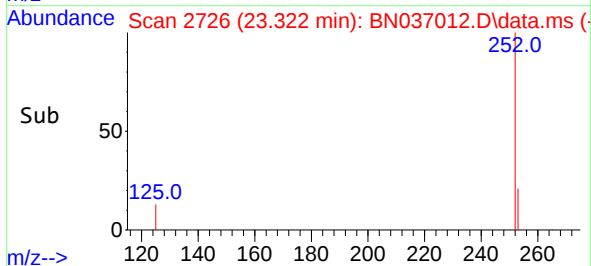
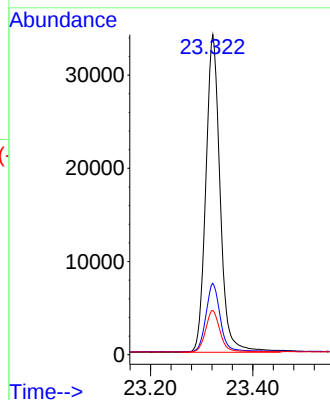
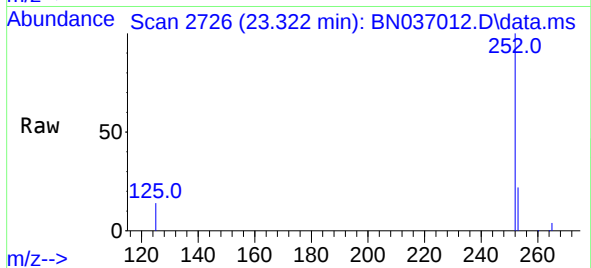
Tgt Ion:252 Resp: 66234

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: 3.77 ng

RT: 25.646 min Scan# 3521

Delta R.T. 0.000 min

Lab File: BN037012.D

Acq: 14 May 2025 13:29

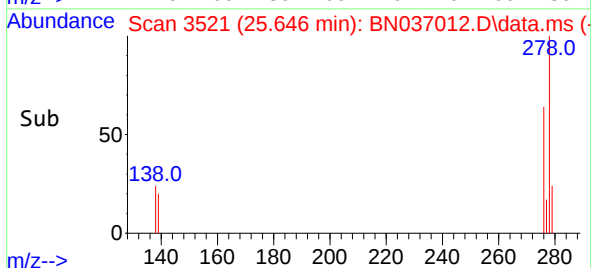
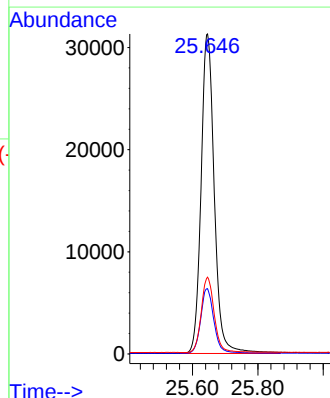
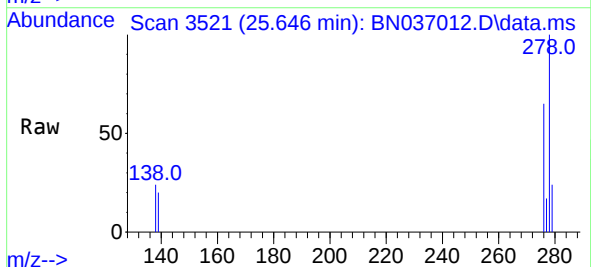
Tgt Ion:278 Resp: 88083

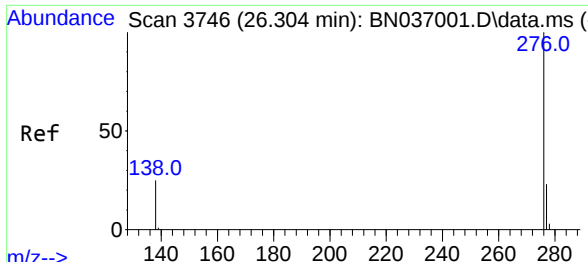
Ion Ratio Lower Upper

278 100

139 20.4 17.4 26.0

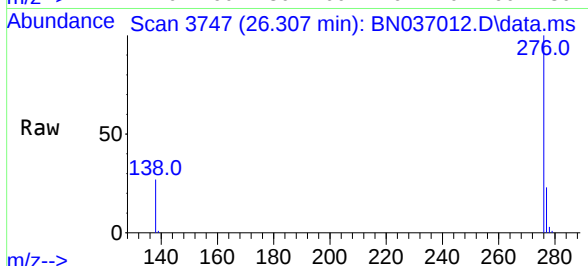
279 24.0 24.6 37.0#





#41
Benzo(g,h,i)perylene
Concen: 1.51 ng
RT: 26.307 min Scan# 31
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:	38434
Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.2	30.4
138	26.7	22.0	33.0

