

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037152.D
 Acq On : 03 Jun 2025 17:41
 Operator : RC/JU
 Sample : Q2181-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-062624

Quant Time: Jun 04 02:47:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

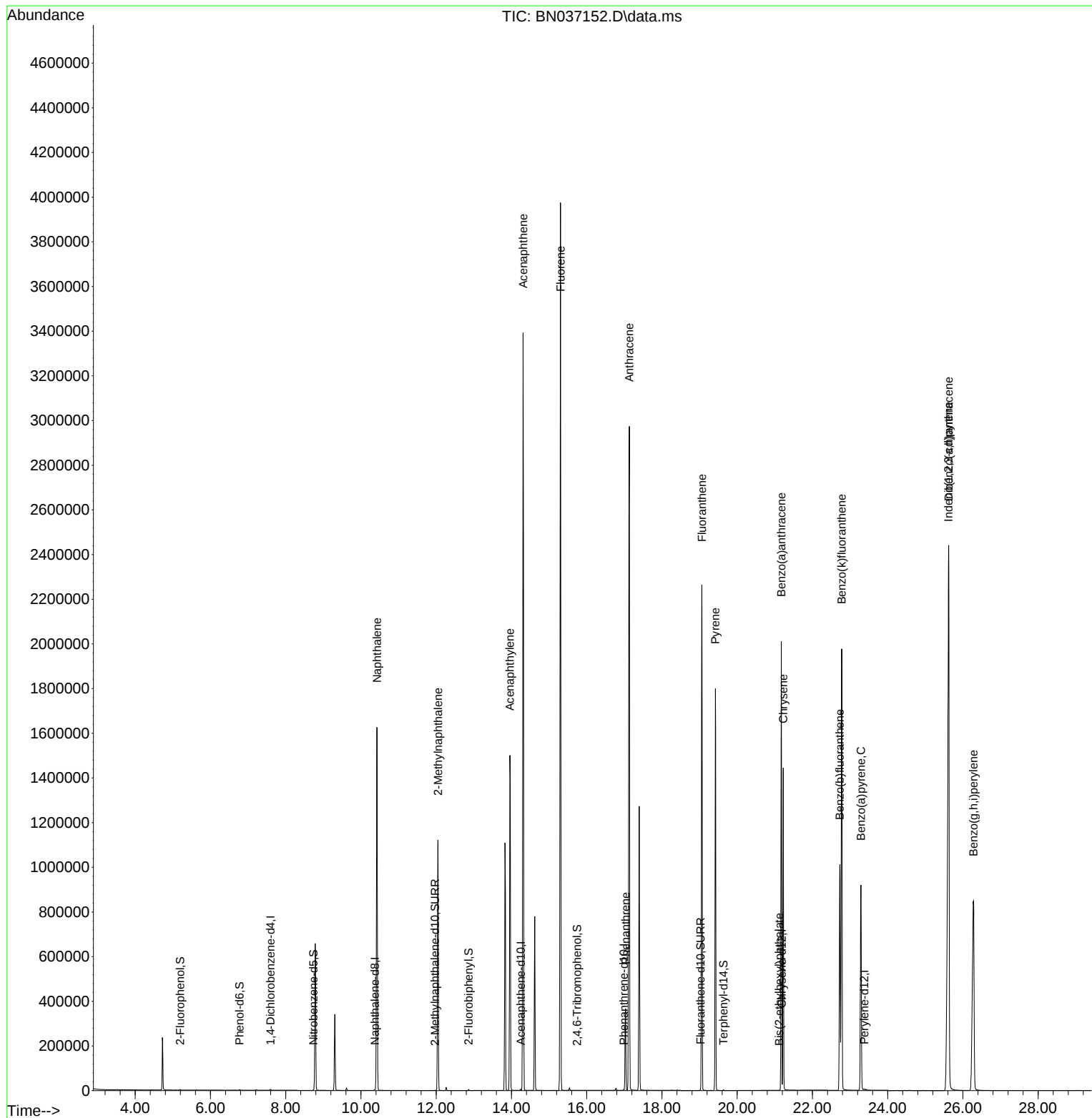
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	1726	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4746	0.400	ng	0.00
13) Acenaphthene-d10	14.245	164	2693	0.400	ng	0.01
19) Phenanthrene-d10	16.984	188	4905	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3958	0.400	ng	0.00
35) Perylene-d12	23.374	264	3402	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1488	0.349	ng	0.00
5) Phenol-d6	6.773	99	1874	0.362	ng	0.00
8) Nitrobenzene-d5	8.739	82	2000	0.399	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2574	0.390	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	296	0.273	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	4344	0.378	ng	0.00
27) Fluoranthene-d10	19.026	212	5165	0.414	ng	0.00
31) Terphenyl-d14	19.635	244	3468	0.372	ng	0.00
Target Compounds						
9) Naphthalene	10.426	128	1916960	139.998	ng	96
12) 2-Methylnaphthalene	12.047	142	724960	82.603	ng	97
16) Acenaphthylene	13.956	152	1626337	123.178	ng	100
17) Acenaphthene	14.309	154	1602919	186.976	ng	94
18) Fluorene	15.304	166	2228433	197.737	ng	97
25) Phenanthrene	17.033	178	388800	24.466	ng	100
26) Anthracene	17.133	178	3294514	227.200	ng	100
28) Fluoranthene	19.063	202	2023402	115.258	ng	99
30) Pyrene	19.421	202	1523102	78.833	ng	99
32) Benzo(a)anthracene	21.171	228	1535854	107.198	ng	99
33) Chrysene	21.224	228	1025267	64.274	ng	99
34) Bis(2-ethylhexyl)phtha...	21.117	149	565	0.063	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.617	276	2900718	214.315	ng	99
37) Benzo(b)fluoranthene	22.728	252	1250366	91.051	ng	# 88
38) Benzo(k)fluoranthene	22.778	252	2348043	167.474	ng	# 88
39) Benzo(a)pyrene	23.290	252	1221520	106.192	ng	# 82
40) Dibenzo(a,h)anthracene	25.623	278	1780212	170.556	ng	# 86
41) Benzo(g,h,i)perylene	26.280	276	1847070	154.066	ng	96

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

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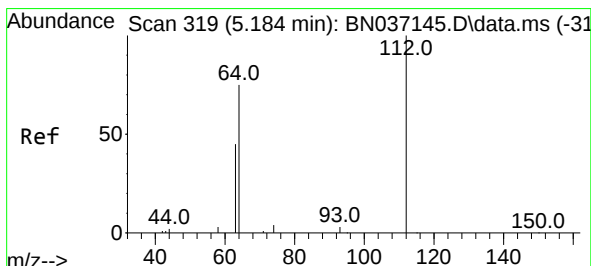
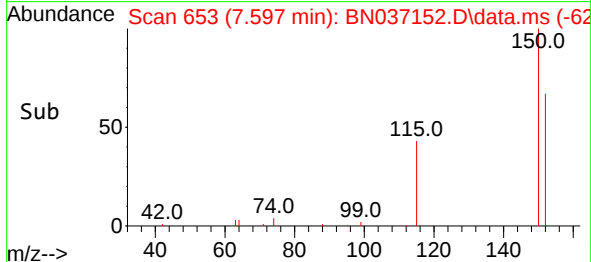
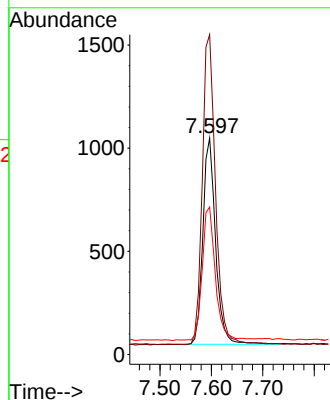
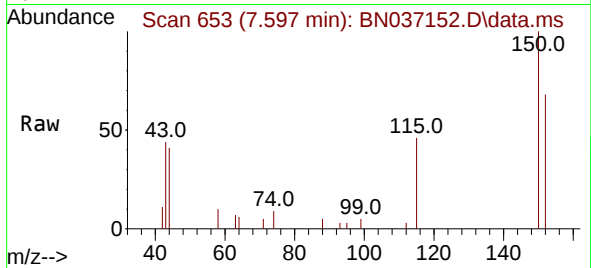




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

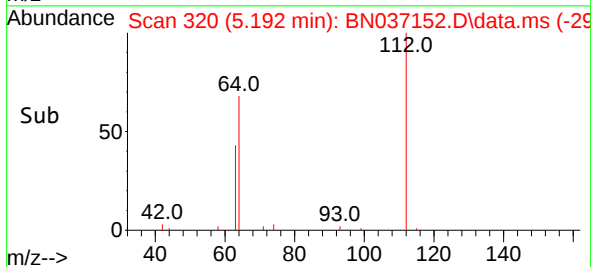
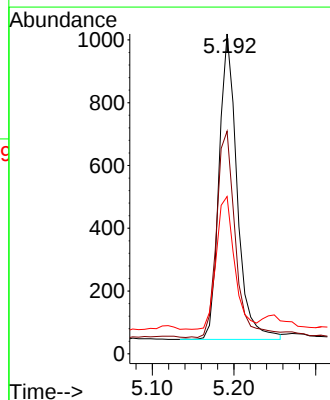
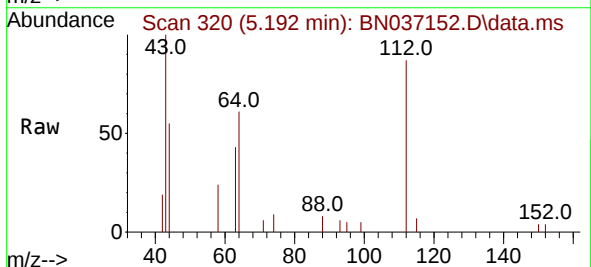
Instrument :
BNA_N
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38072-062624

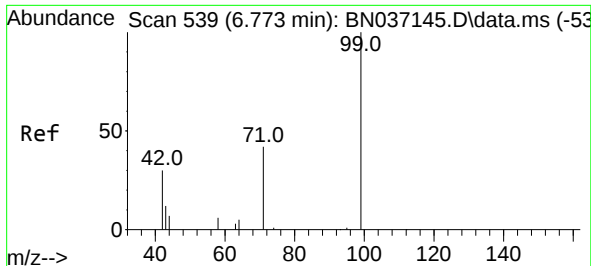
Tgt Ion:152 Resp: 1726
Ion Ratio Lower Upper
152 100
150 147.8 123.2 184.8
115 68.2 56.6 85.0



#4
2-Fluorophenol
Concen: 0.349 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

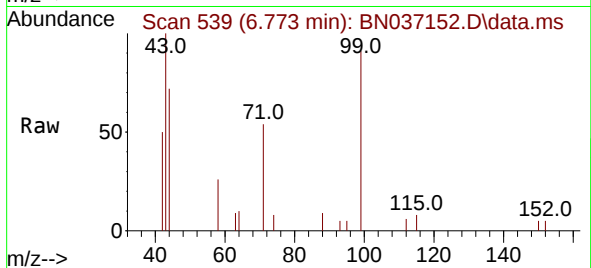
Tgt Ion:112 Resp: 1488
Ion Ratio Lower Upper
112 100
64 73.3 56.3 84.5
63 44.5 36.2 54.4



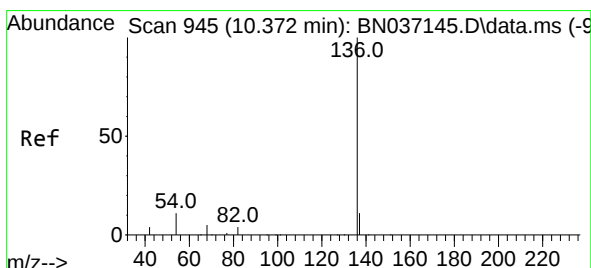
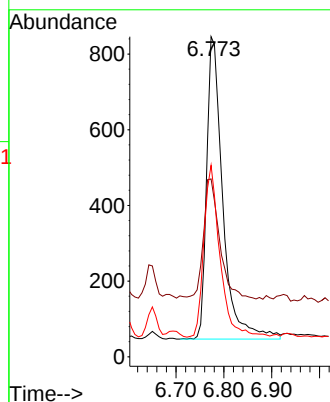
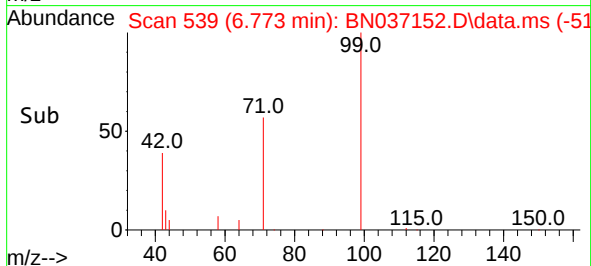


#5
Phenol-d6
Concen: 0.362 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Instrument :
BNA_N
ClientSampleId :
38072-062624

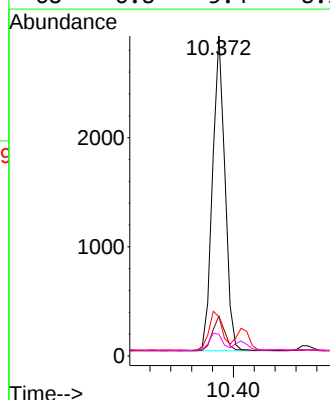
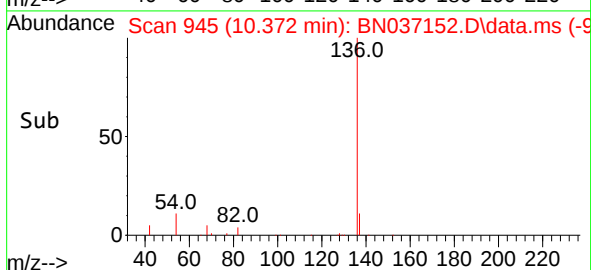
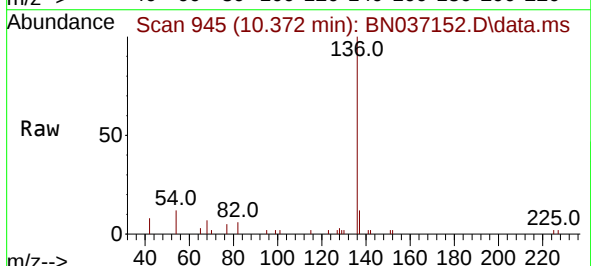


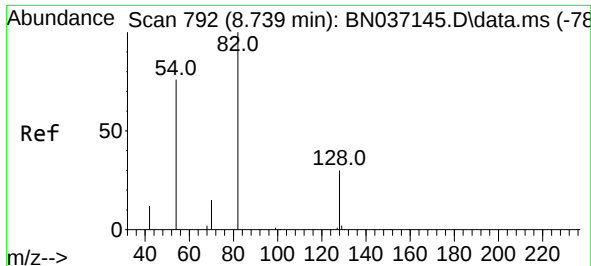
Tgt Ion:	99	Resp:	1874
Ion	Ratio	Lower	Upper
99	100		
42	39.9	31.3	46.9
71	56.8	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:	136	Resp:	4746
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	12.2	9.7	14.5
68	6.8	5.4	8.2

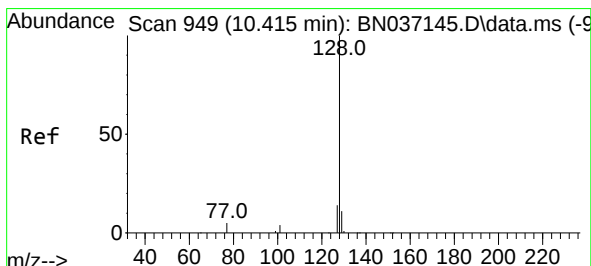
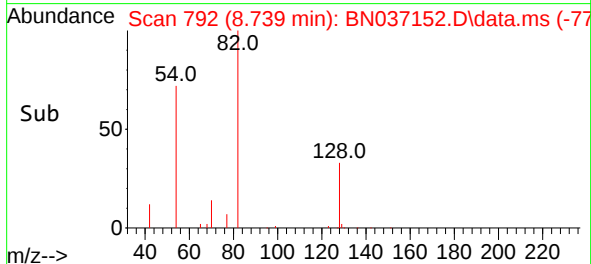
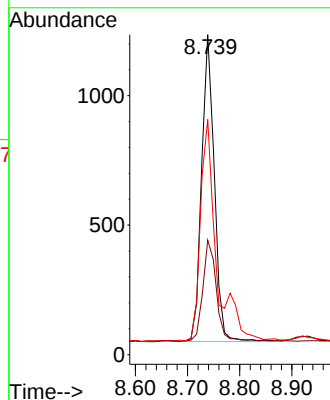
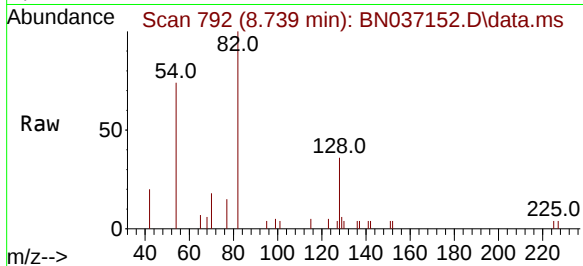




#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

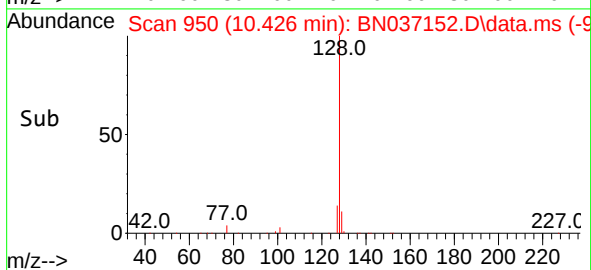
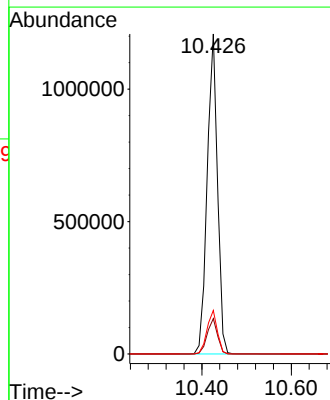
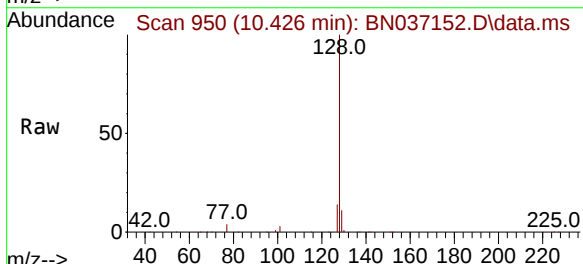
Instrument :
BNA_N
ClientSampleId :
38072-062624

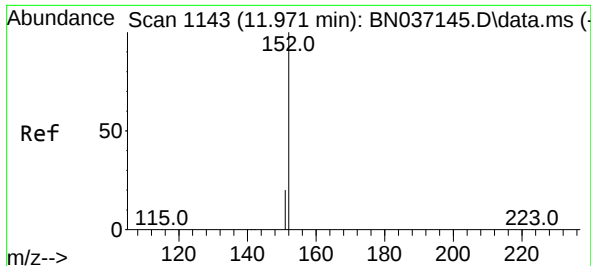
Tgt Ion:	82	Resp:	2000
Ion	Ratio	Lower	Upper
82	100		
128	35.8	26.9	40.3
54	73.5	61.4	92.2



#9
Naphthalene
Concen: 139.998 ng
RT: 10.426 min Scan# 950
Delta R.T. 0.011 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:	128	Resp:	1916960
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.8
127	13.6	12.3	18.5

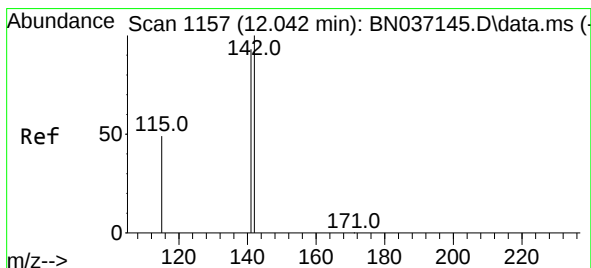
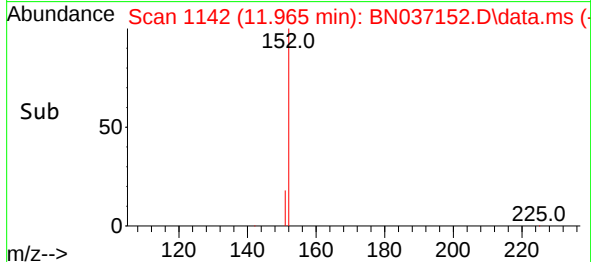
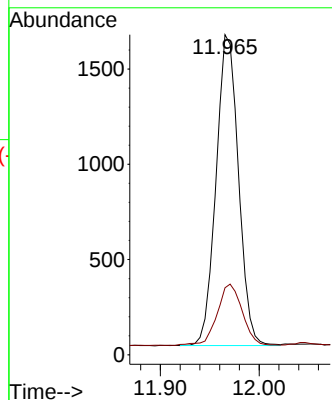
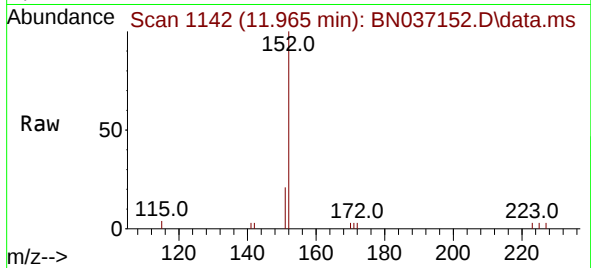




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

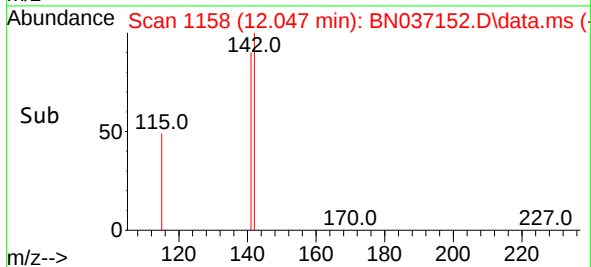
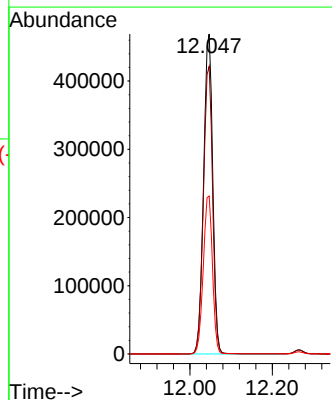
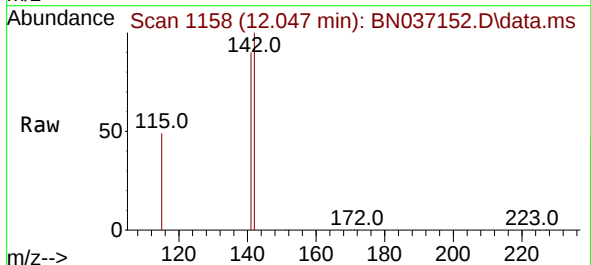
Instrument :
BNA_N
ClientSampleId :
38072-062624

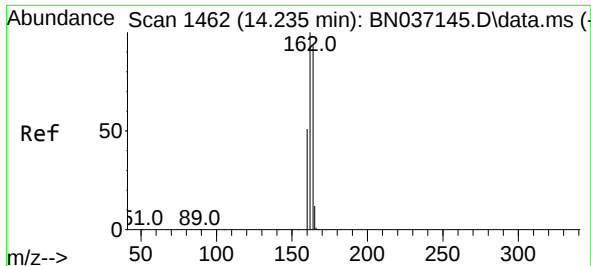
Tgt Ion:152 Resp: 2574
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7



#12
2-Methylnaphthalene
Concen: 82.603 ng
RT: 12.047 min Scan# 1158
Delta R.T. 0.005 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:142 Resp: 724960
Ion Ratio Lower Upper
142 100
141 89.9 74.6 111.8
115 49.4 41.0 61.4

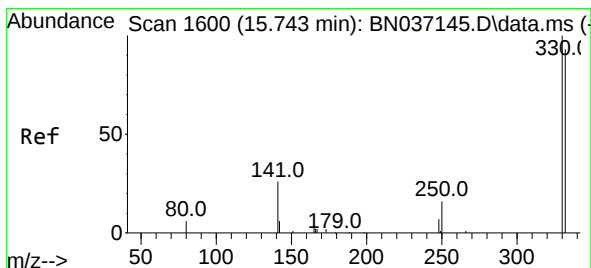
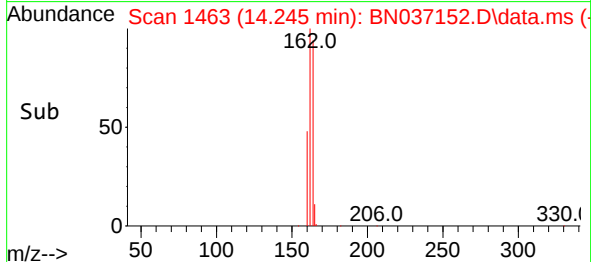
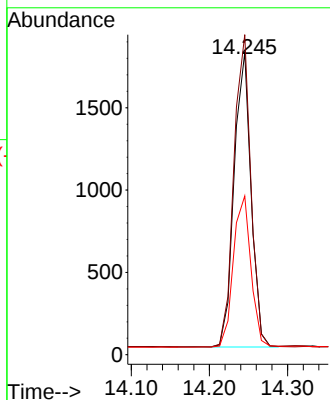
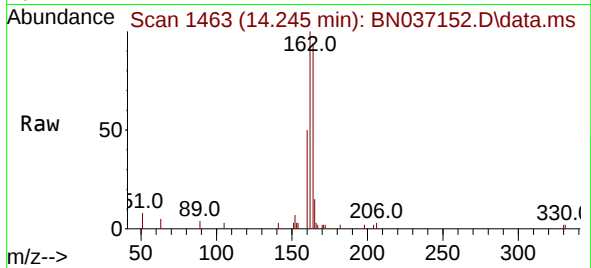




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.245 min Scan# 1463
 Delta R.T. 0.011 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

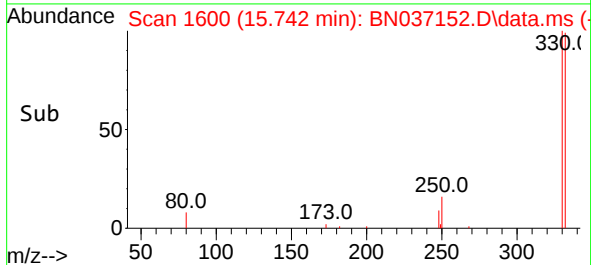
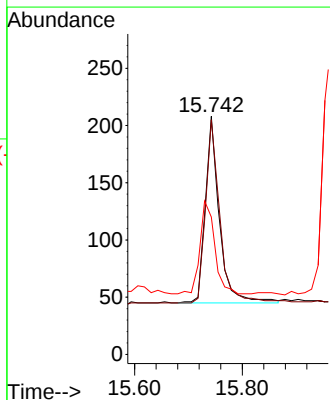
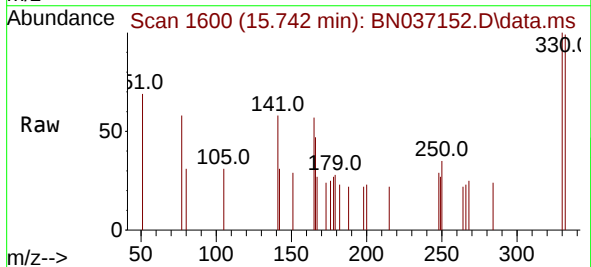
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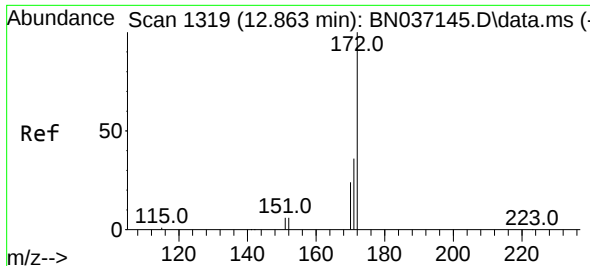
Tgt Ion:164 Resp: 2693
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.5 128.3
 160 52.5 44.6 67.0



#14
 2,4,6-Tribromophenol
 Concen: 0.273 ng
 RT: 15.742 min Scan# 1600
 Delta R.T. -0.000 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

Tgt Ion:330 Resp: 296
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.1 115.7
 141 52.7 46.4 69.6

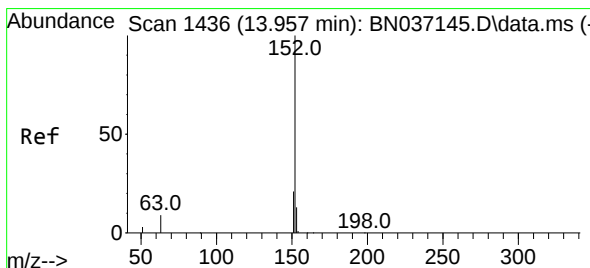
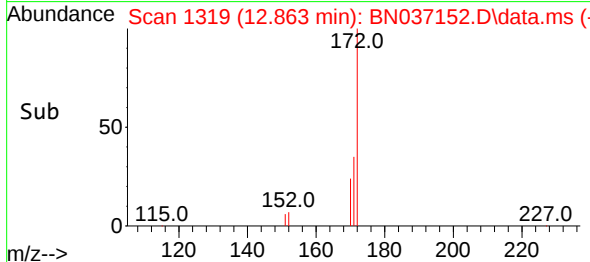
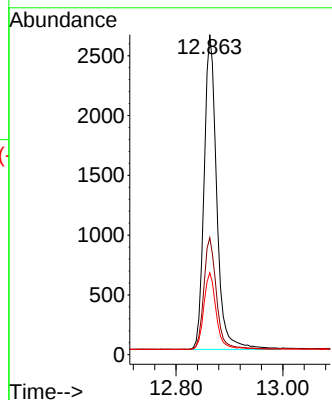
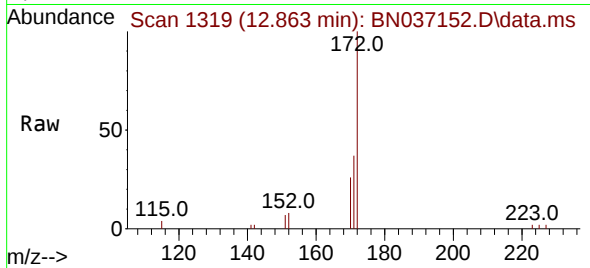




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

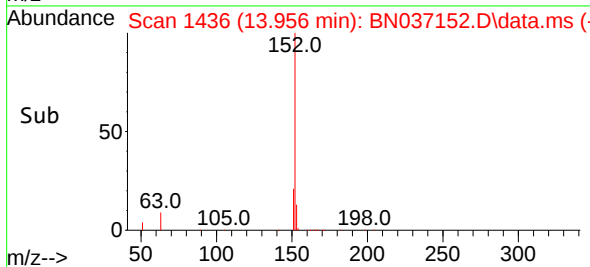
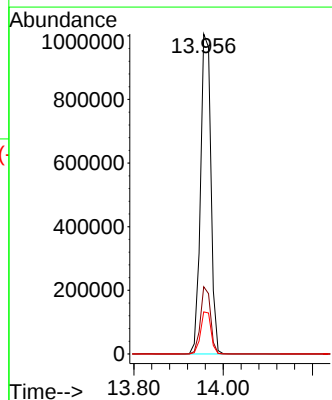
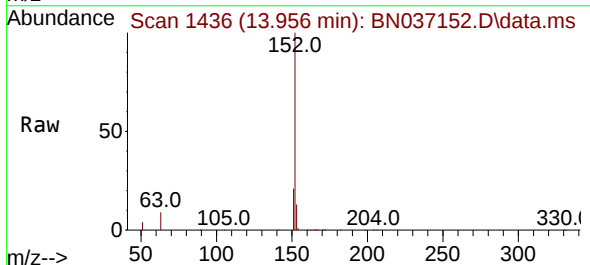
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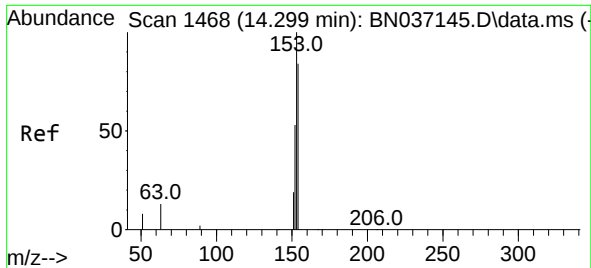
Tgt Ion:172 Resp: 4344
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 25.6 20.3 30.5



#16
Acenaphthylene
Concen: 123.178 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:152 Resp: 1626337
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.2 10.6 15.8

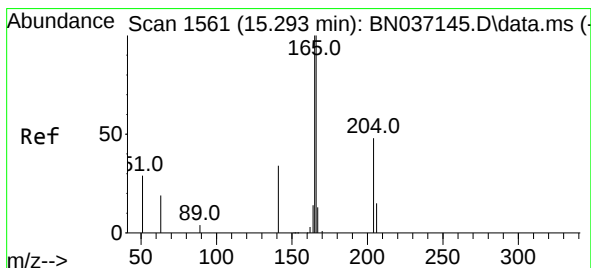
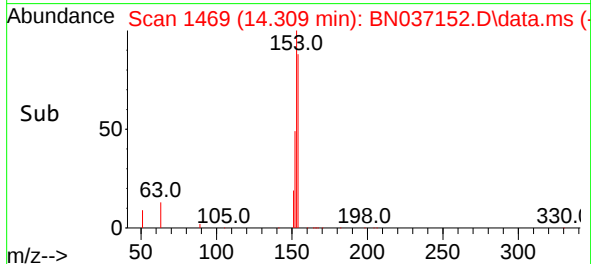
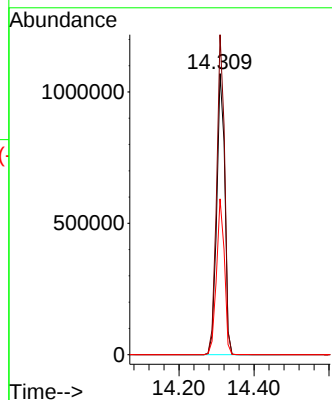
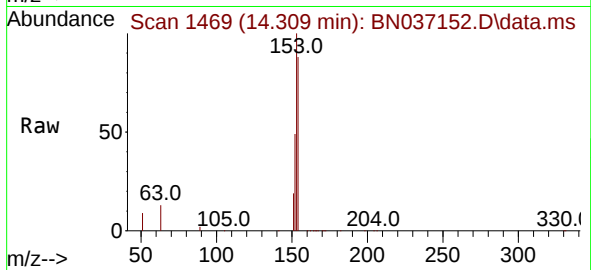




#17
Acenaphthene
Concen: 186.976 ng
RT: 14.309 min Scan# 1469
Delta R.T. 0.011 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

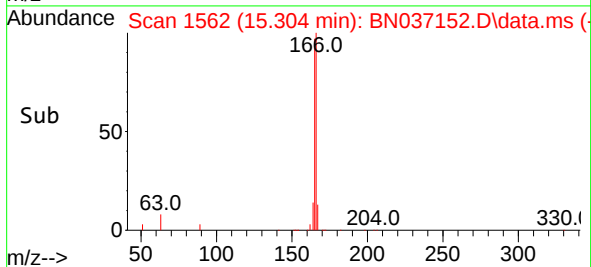
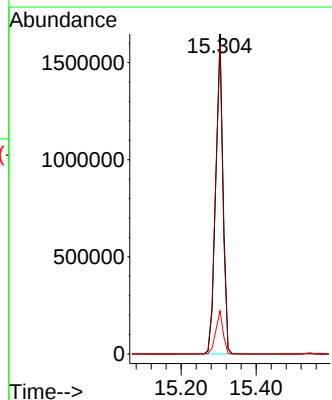
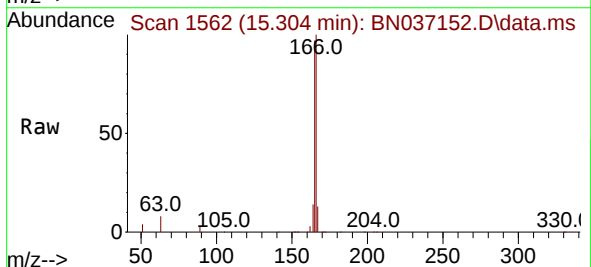
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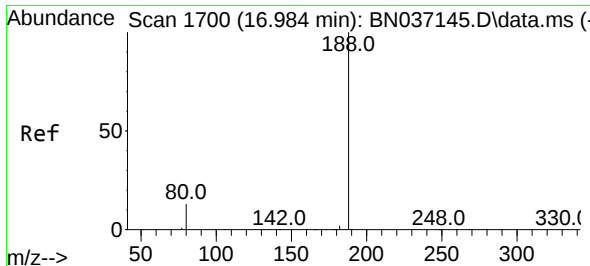
Tgt Ion:154 Resp: 1602919
Ion Ratio Lower Upper
154 100
153 112.9 93.8 140.8
152 54.6 50.5 75.7



#18
Fluorene
Concen: 197.737 ng
RT: 15.304 min Scan# 1562
Delta R.T. 0.011 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:166 Resp: 2228433
Ion Ratio Lower Upper
166 100
165 97.6 81.1 121.7
167 13.5 10.8 16.2

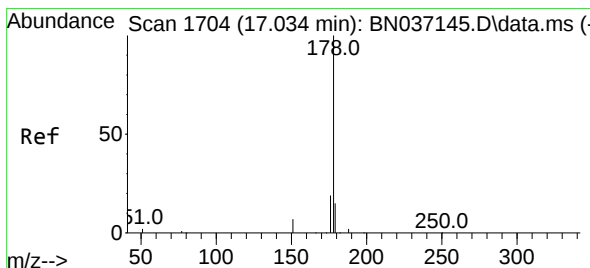
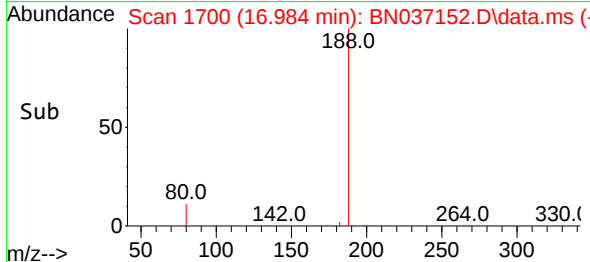
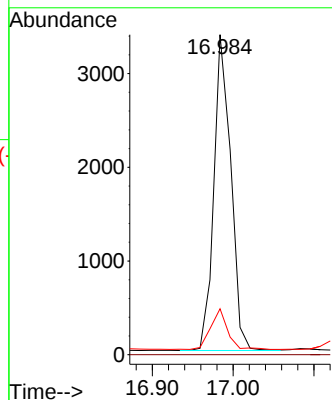
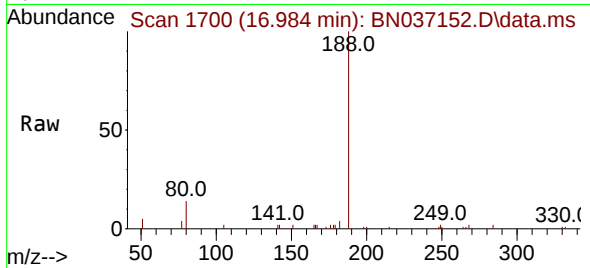




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

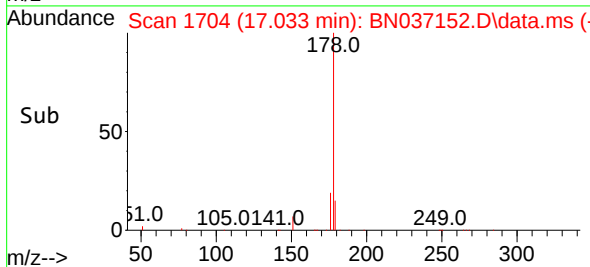
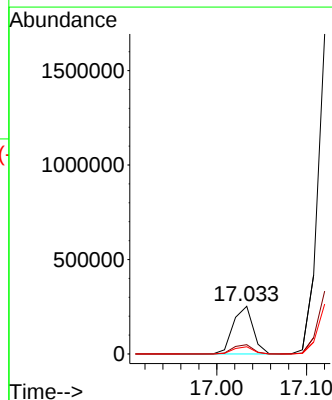
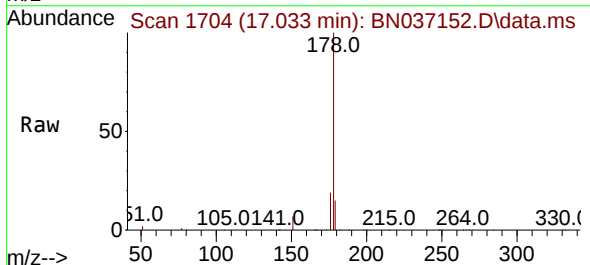
Instrument :
BNA_N
ClientSampleId :
38072-062624

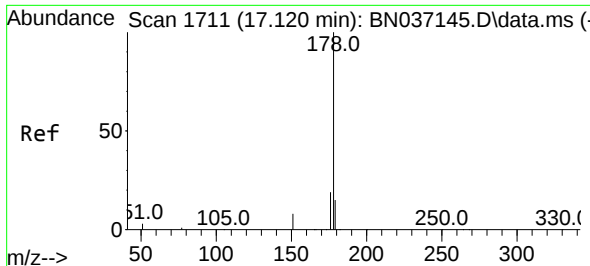
Tgt Ion:188 Resp: 4905
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 11.3 16.9



#25
Phenanthrene
Concen: 24.466 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:178 Resp: 388800
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.2 12.3 18.5

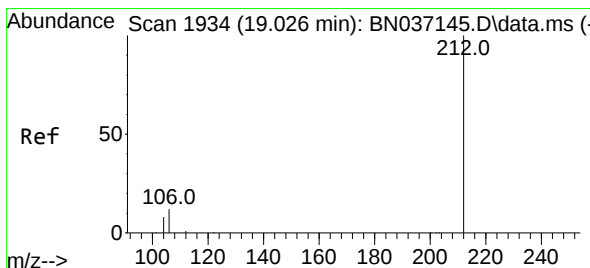
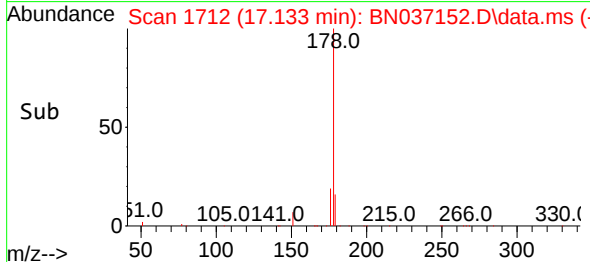
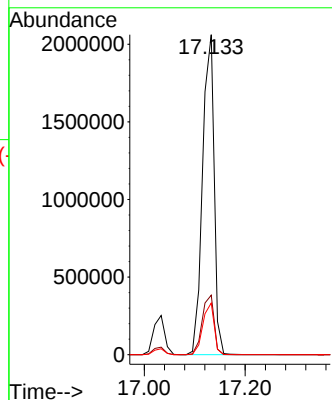
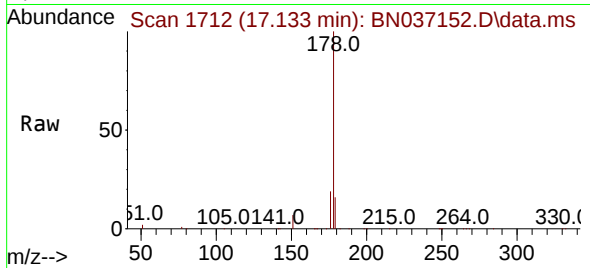




#26
 Anthracene
 Concen: 227.200 ng
 RT: 17.133 min Scan# 1712
 Delta R.T. 0.012 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

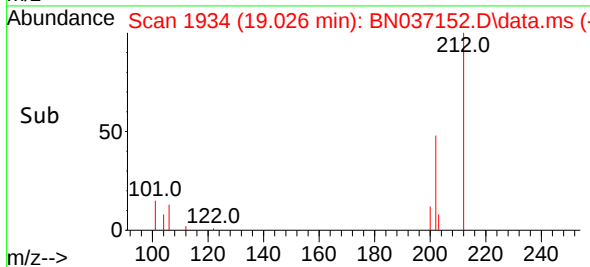
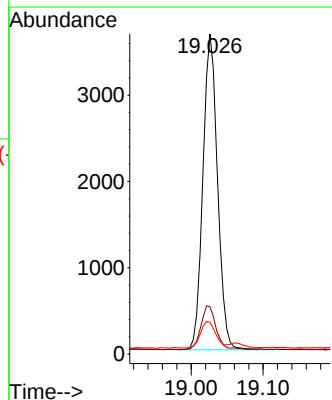
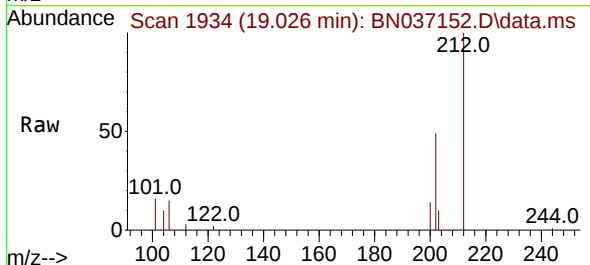
Instrument :
 BNA_N
 ClientSampleId :
 38072-062624

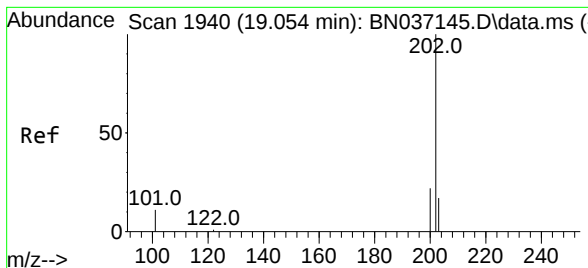
Tgt Ion:178 Resp: 3294514
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.2 22.8
 179 15.8 12.9 19.3



#27
 Fluoranthene-d10
 Concen: 0.414 ng
 RT: 19.026 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

Tgt Ion:212 Resp: 5165
 Ion Ratio Lower Upper
 212 100
 106 14.5 10.6 15.8
 104 8.8 6.6 9.8





#28

Fluoranthene

Concen: 115.258 ng

RT: 19.063 min Scan# 1940

Delta R.T. 0.009 min

Lab File: BN037152.D

Acq: 03 Jun 2025 17:41

Instrument :

BNA_N

ClientSampleId :

38072-062624

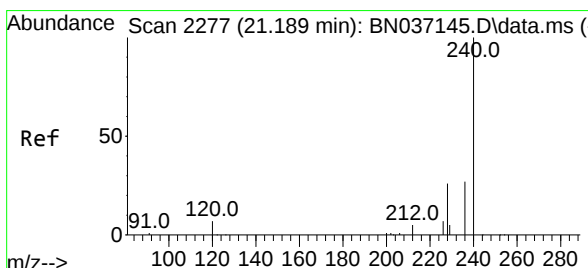
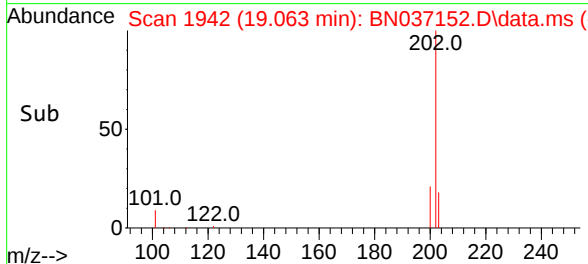
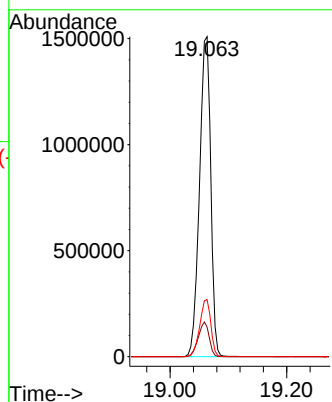
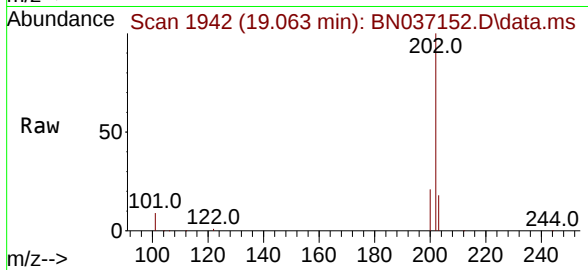
Tgt Ion:202 Resp: 2023402

Ion Ratio Lower Upper

202 100

101 10.5 8.7 13.1

203 17.6 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037152.D

Acq: 03 Jun 2025 17:41

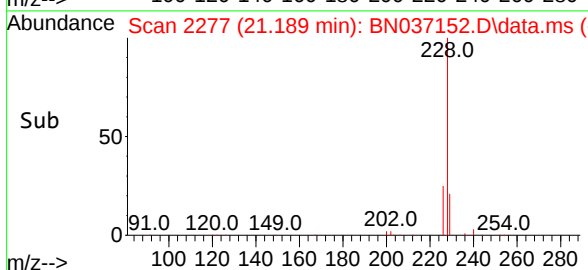
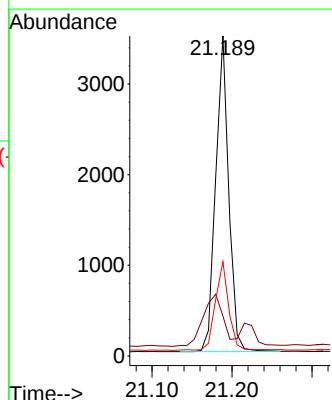
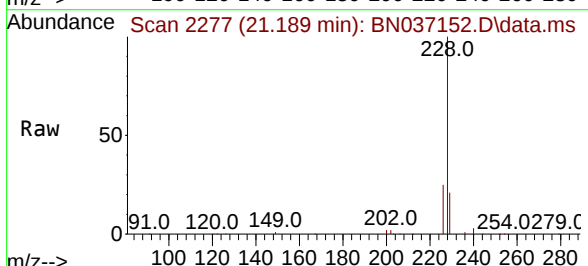
Tgt Ion:240 Resp: 3958

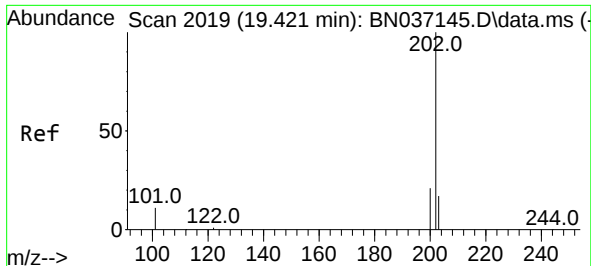
Ion Ratio Lower Upper

240 100

120 12.4 9.0 13.4

236 29.4 23.0 34.4

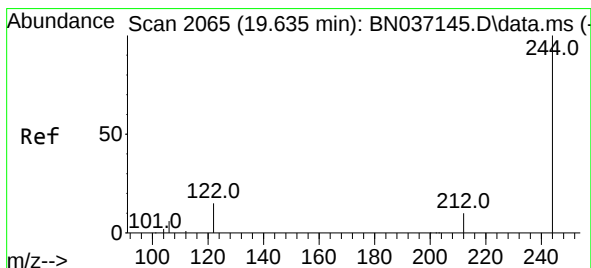
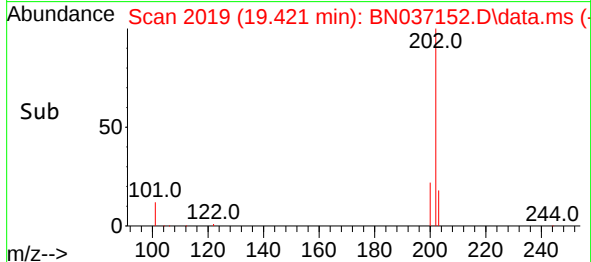
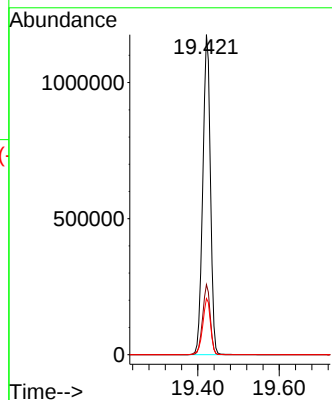
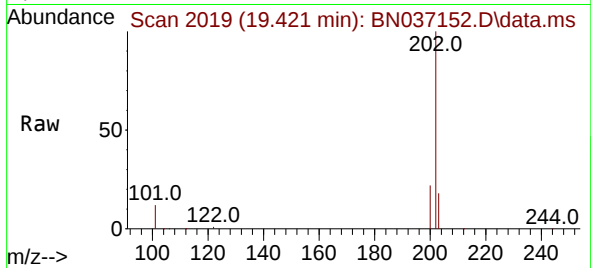




#30
Pyrene
Concen: 78.833 ng
RT: 19.421 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

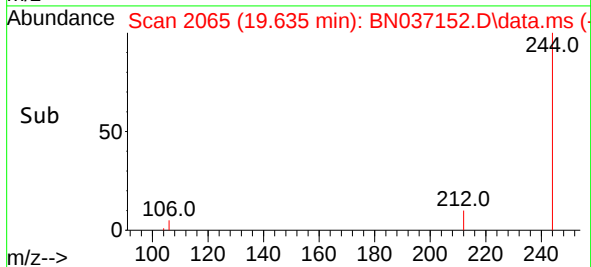
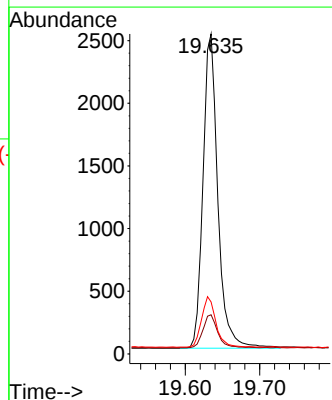
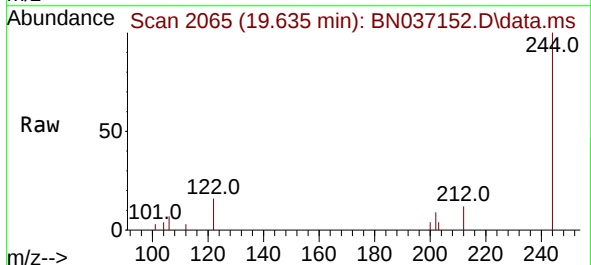
Instrument :
BNA_N
ClientSampleId :
38072-062624

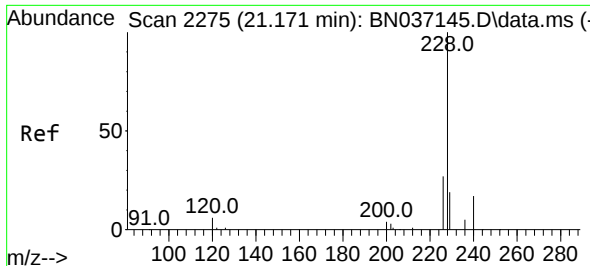
Tgt Ion:202 Resp: 1523102
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 18.0 14.2 21.4



#31
Terphenyl-d14
Concen: 0.372 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:244 Resp: 3468
Ion Ratio Lower Upper
244 100
212 12.2 10.0 15.0
122 16.2 13.2 19.8

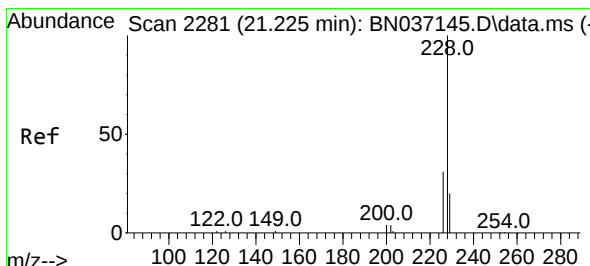
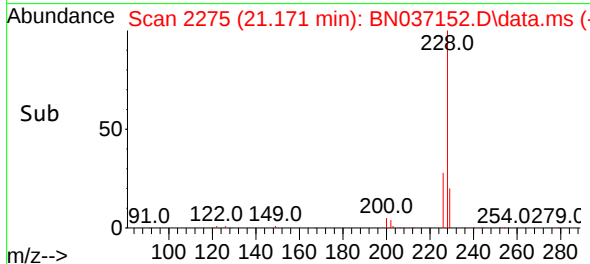
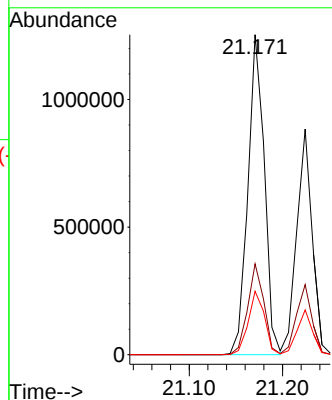
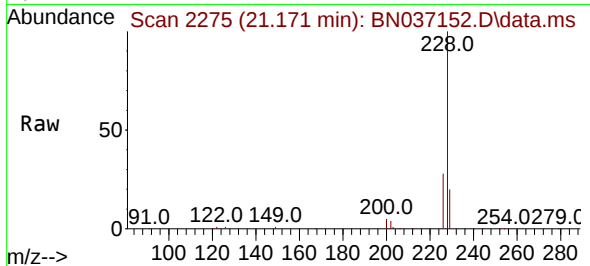




#32
Benzo(a)anthracene
Concen: 107.198 ng
RT: 21.171 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

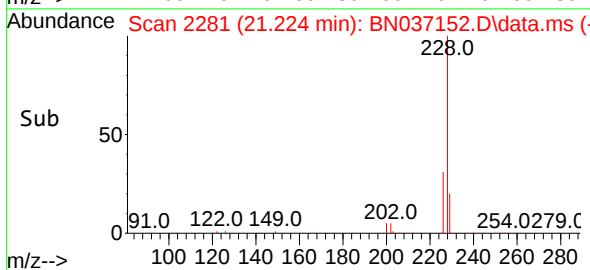
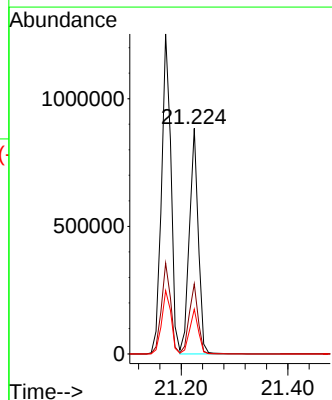
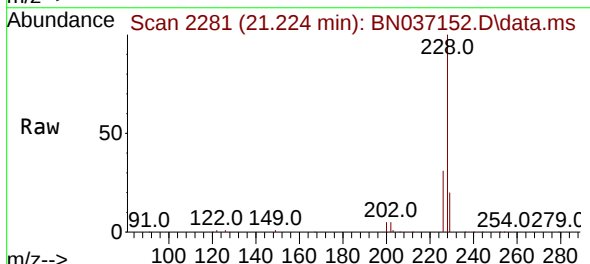
Instrument :
BNA_N
ClientSampleId :
38072-062624

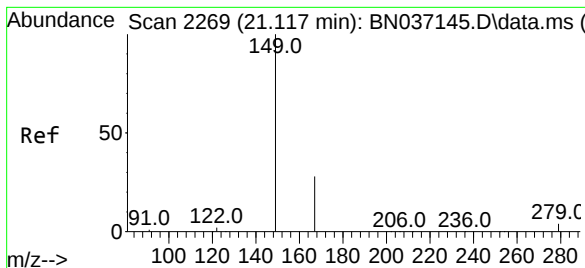
Tgt Ion:228 Resp: 1535854
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 19.8 16.2 24.2



#33
Chrysene
Concen: 64.274 ng
RT: 21.224 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:228 Resp: 1025267
Ion Ratio Lower Upper
228 100
226 31.1 25.2 37.8
229 19.9 16.8 25.2

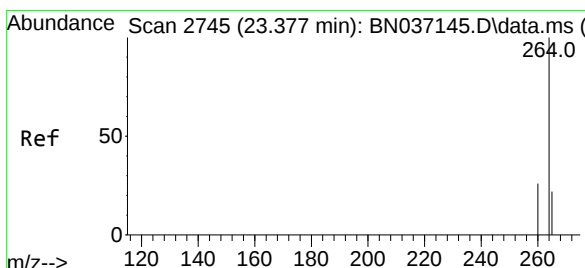
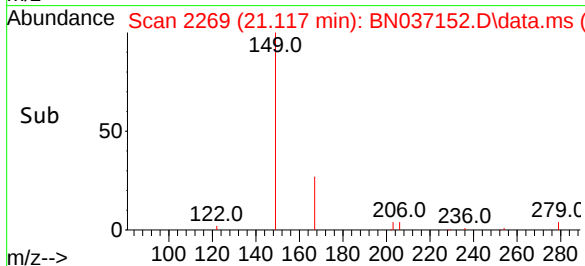
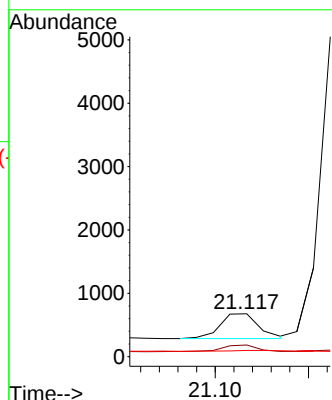
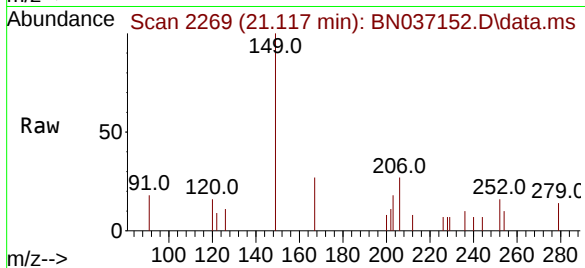




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.063 ng
 RT: 21.117 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

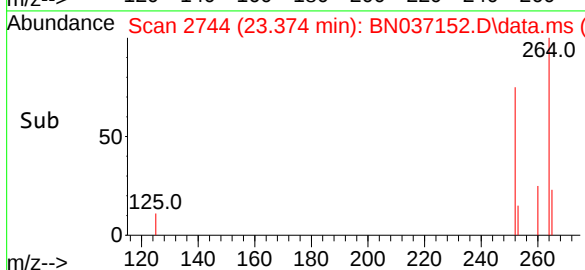
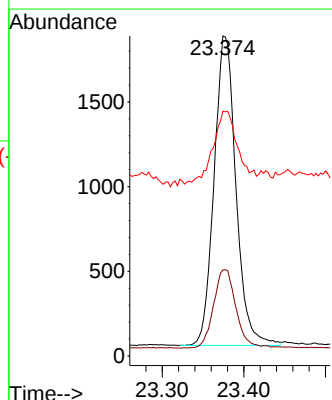
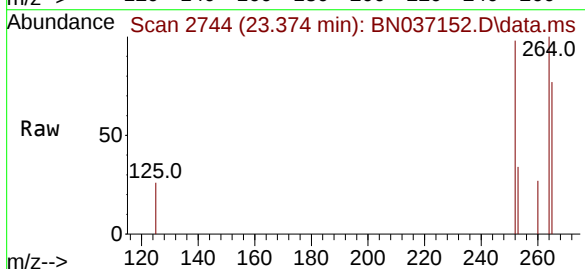
Instrument :
 BNA_N
 ClientSampleId :
 38072-062624

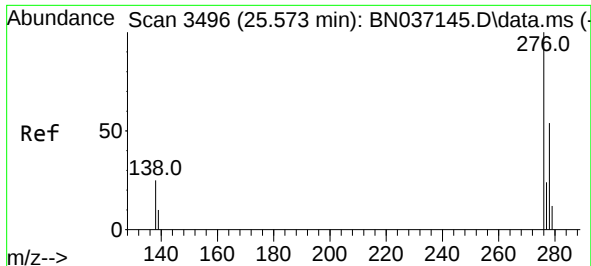
Tgt Ion:149 Resp: 565
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.0 31.4
 279 6.9 2.9 4.3#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.374 min Scan# 2744
 Delta R.T. -0.003 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

Tgt Ion:264 Resp: 3402
 Ion Ratio Lower Upper
 264 100
 260 26.9 22.1 33.1
 265 76.5 55.8 83.8

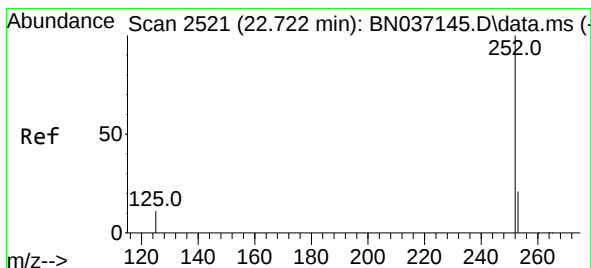
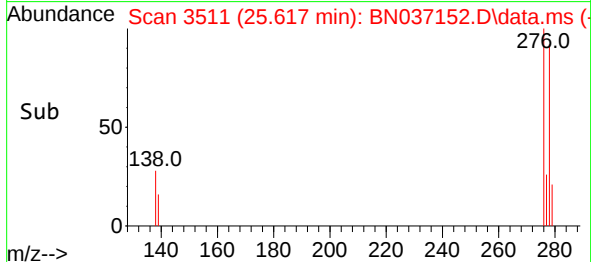
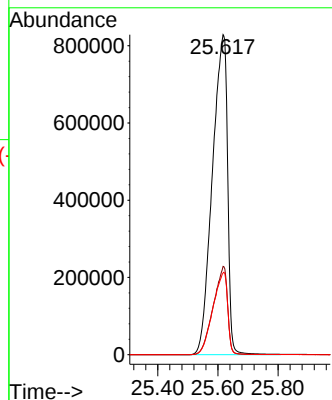
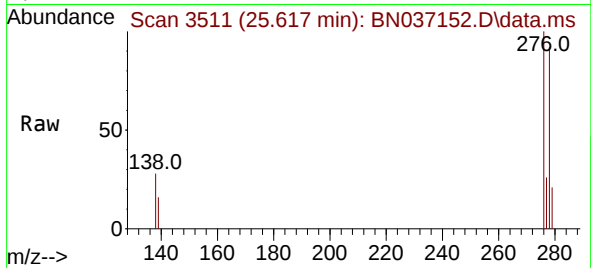




#36
Indeno(1,2,3-cd)pyrene
Concen: 214.315 ng
RT: 25.617 min Scan# 31
Delta R.T. 0.044 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

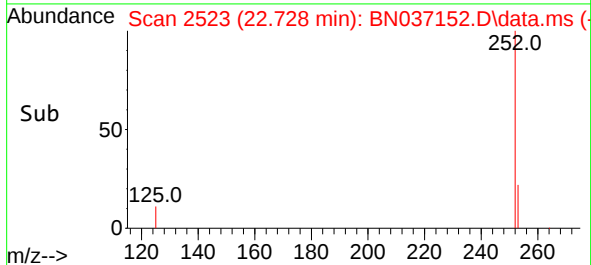
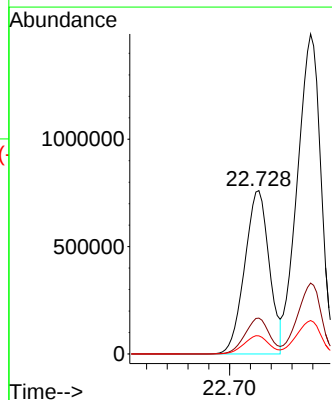
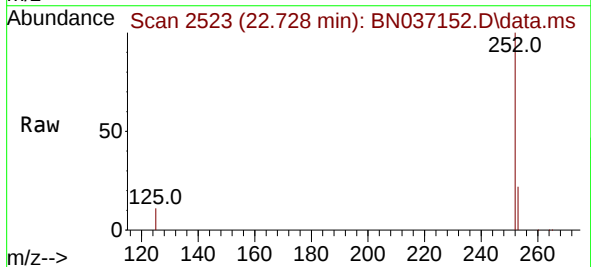
Instrument :
BNA_N
ClientSampleId :
38072-062624

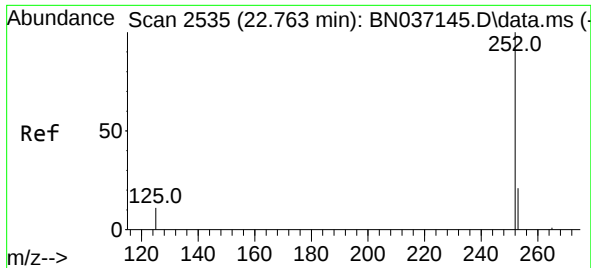
Tgt Ion:276 Resp: 2900718
Ion Ratio Lower Upper
276 100
138 26.1 21.0 31.6
277 25.1 19.4 29.2



#37
Benzo(b)fluoranthene
Concen: 91.051 ng
RT: 22.728 min Scan# 2523
Delta R.T. 0.006 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:252 Resp: 1250366
Ion Ratio Lower Upper
252 100
253 21.9 22.3 33.5#
125 11.1 13.2 19.8#

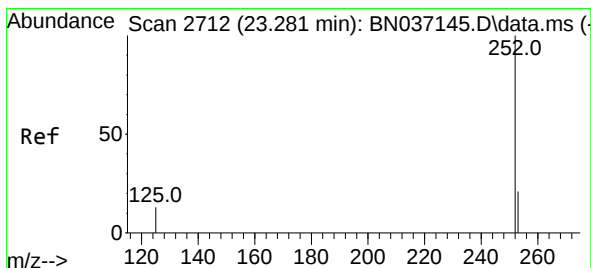
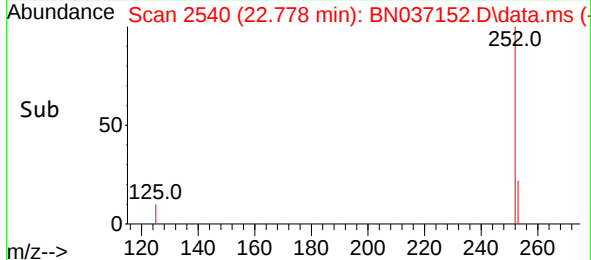
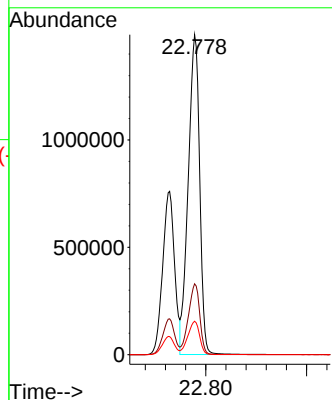
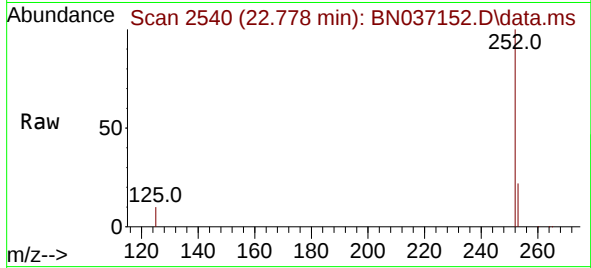




#38
Benzo(k)fluoranthene
Concen: 167.474 ng
RT: 22.778 min Scan# 21
Delta R.T. 0.014 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

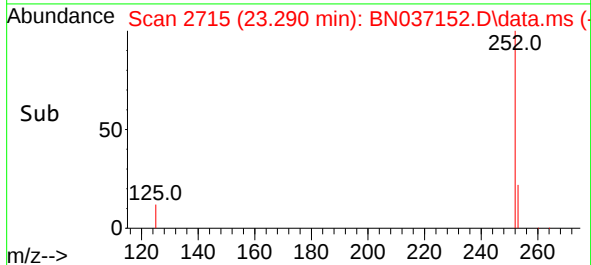
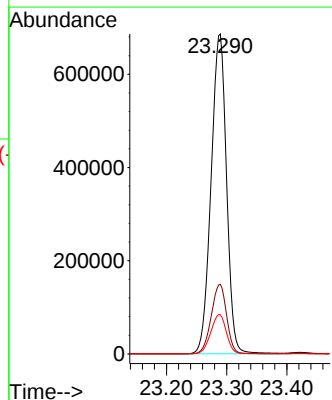
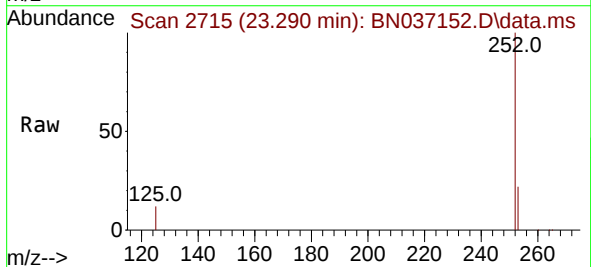
Instrument :
BNA_N
ClientSampleId :
38072-062624

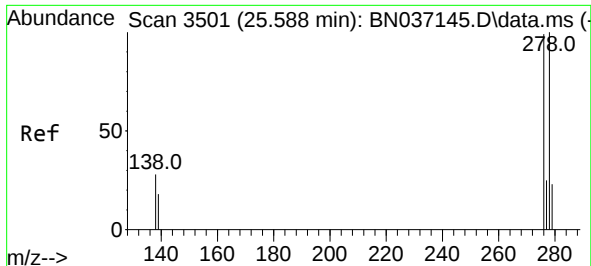
Tgt Ion:252 Resp: 2348043
Ion Ratio Lower Upper
252 100
253 22.2 22.2 33.4#
125 10.4 13.2 19.8#



#39
Benzo(a)pyrene
Concen: 106.192 ng
RT: 23.290 min Scan# 2715
Delta R.T. 0.009 min
Lab File: BN037152.D
Acq: 03 Jun 2025 17:41

Tgt Ion:252 Resp: 1221520
Ion Ratio Lower Upper
252 100
253 21.7 25.0 37.4#
125 12.2 17.0 25.6#

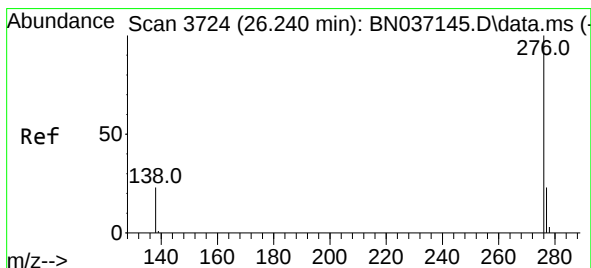
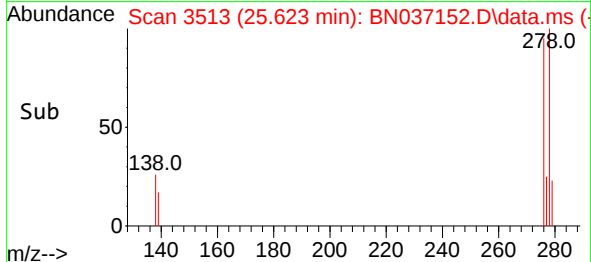
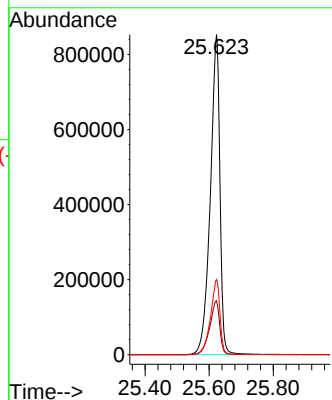
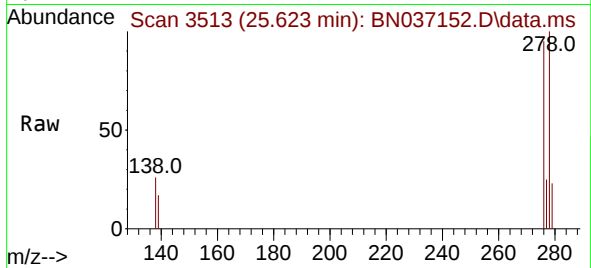




#40
 Dibenzo(a,h)anthracene
 Concen: 170.556 ng
 RT: 25.623 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

Instrument :
 BNA_N
 ClientSampleId :
 38072-062624

Tgt Ion:278 Resp: 1780212
 Ion Ratio Lower Upper
 278 100
 139 16.8 17.6 26.4#
 279 23.4 26.0 39.0#



#41
 Benzo(g,h,i)perylene
 Concen: 154.066 ng
 RT: 26.280 min Scan# 3738
 Delta R.T. 0.041 min
 Lab File: BN037152.D
 Acq: 03 Jun 2025 17:41

Tgt Ion:276 Resp: 1847070
 Ion Ratio Lower Upper
 276 100
 277 23.6 20.9 31.3
 138 24.7 20.8 31.2

