

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037153.D
 Acq On : 03 Jun 2025 18:18
 Operator : RC/JU
 Sample : Q2181-01DL 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-062624DL

Quant Time: Jun 04 02:16:43 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)

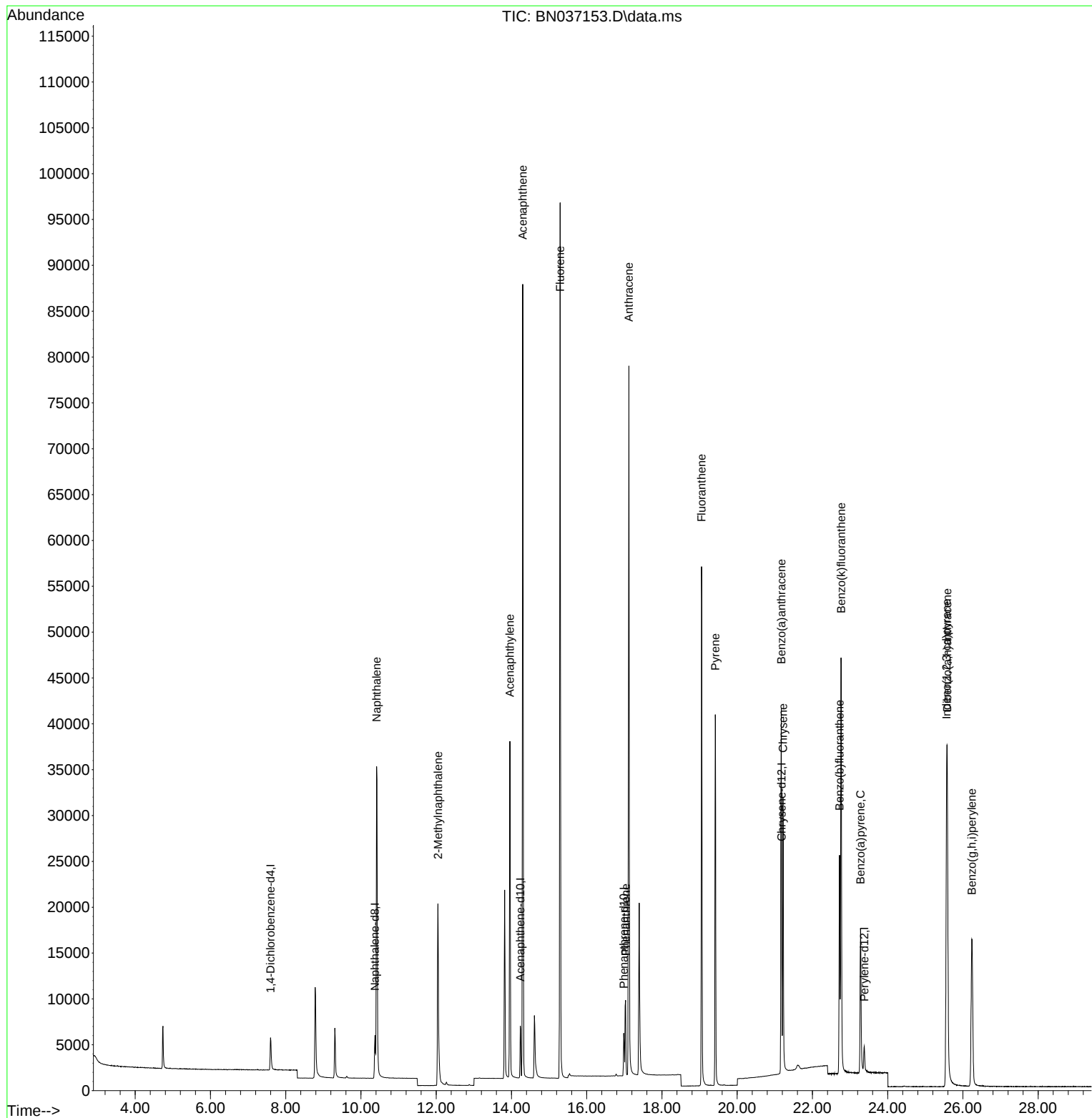
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	2324	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	6120	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	3333	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	6288	0.400	ng	0.00
29) Chrysene-d12	21.180	240	4597	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3669	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	40	0.007	ng	0.00
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.739	82	60	0.009	ng	0.00
11) 2-Methylnaphthalene-d10	11.970	152	72	0.008	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	6	0.004	ng	0.02
15) 2-Fluorobiphenyl	12.883	172	114	0.008	ng	0.02
27) Fluoranthene-d10	19.021	212	141	0.009	ng	0.00
31) Terphenyl-d14	19.644	244	93	0.009	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.415	128	49727	2.816	ng	97
12) 2-Methylnaphthalene	12.046	142	17461	1.543	ng	96
16) Acenaphthylene	13.956	152	37740	2.310	ng	99
17) Acenaphthene	14.299	154	39265	3.701	ng	98
18) Fluorene	15.293	166	54997	3.943	ng	99
25) Phenanthrene	17.033	178	9486	0.466	ng	100
26) Anthracene	17.120	178	77911	4.191	ng	99
28) Fluoranthene	19.054	202	51595	2.293	ng	99
30) Pyrene	19.416	202	37373	1.665	ng	100
32) Benzo(a)anthracene	21.171	228	33315	2.002	ng	99
33) Chrysene	21.215	228	26438	1.427	ng	99
36) Indeno(1,2,3-cd)pyrene	25.567	276	51464	3.526	ng	99
37) Benzo(b)fluoranthene	22.719	252	27512	1.858	ng	# 91
38) Benzo(k)fluoranthene	22.760	252	56528	3.738	ng	# 89
39) Benzo(a)pyrene	23.278	252	24186	1.950	ng	# 86
40) Dibenzo(a,h)anthracene	25.582	278	30813	2.737	ng	# 89
41) Benzo(g,h,i)perylene	26.236	276	32541	2.517	ng	97

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

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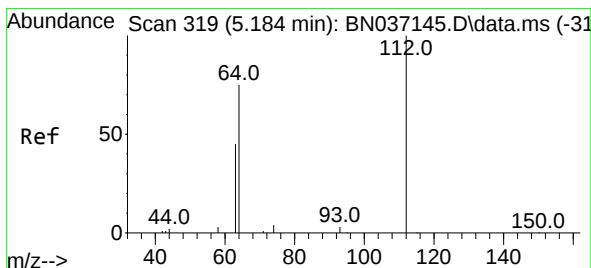
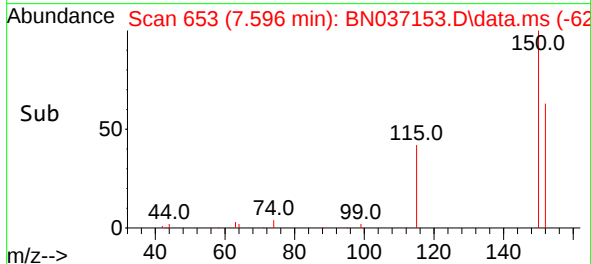
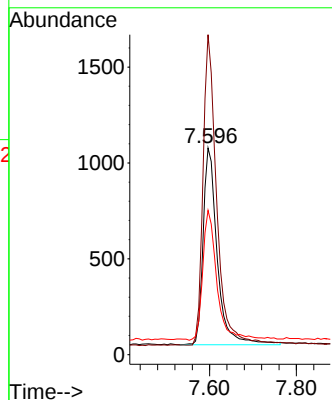
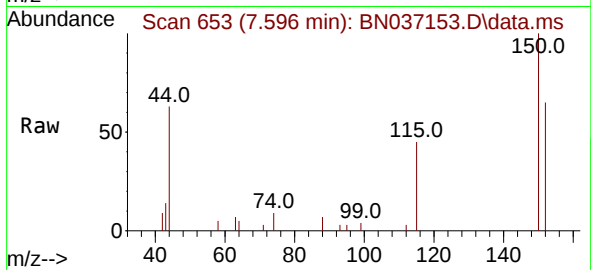




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.596 min Scan# 61
Delta R.T. 0.006 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

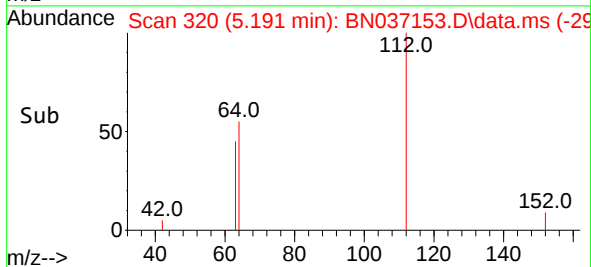
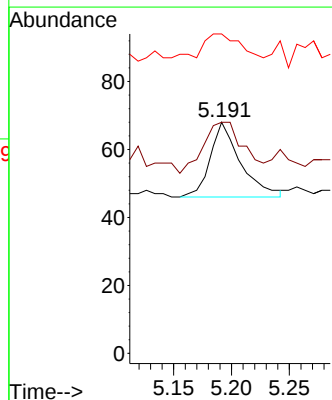
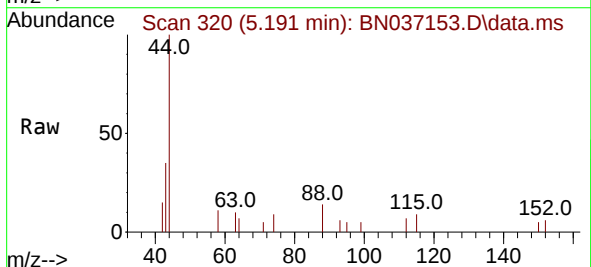
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

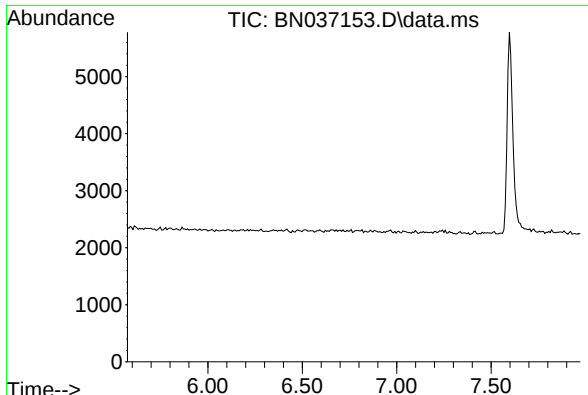
Tgt Ion:152 Resp: 2324
Ion Ratio Lower Upper
152 100
150 154.8 123.2 184.8
115 69.9 56.6 85.0



#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.191 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:112 Resp: 40
Ion Ratio Lower Upper
112 100
64 90.0 56.3 84.5#
63 65.0 36.2 54.4#



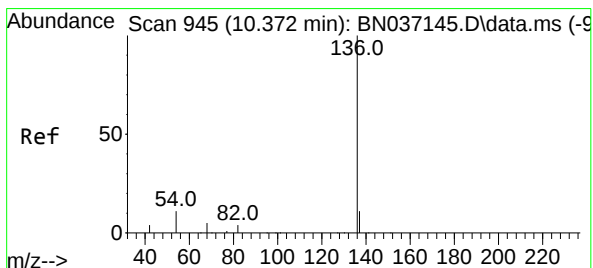
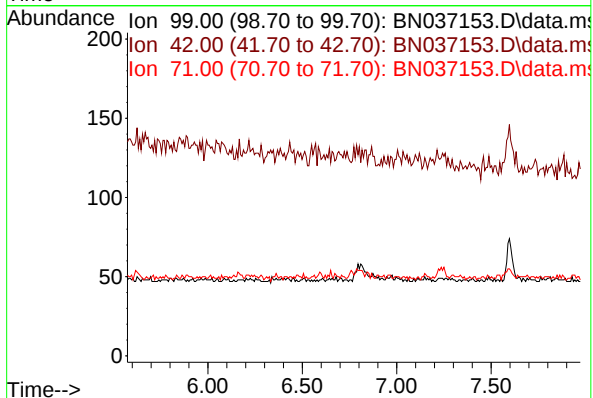


#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.77 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

Instrument :
 BNA_N
 ClientSampleId :
 38072-062624DL

Tgt Ion: 99

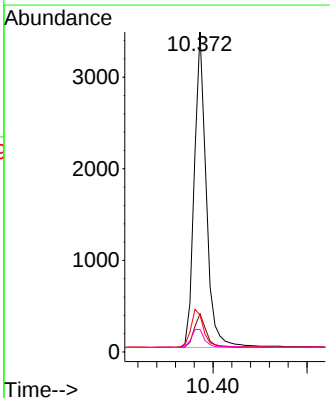
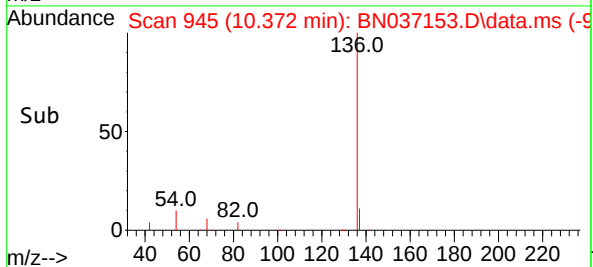
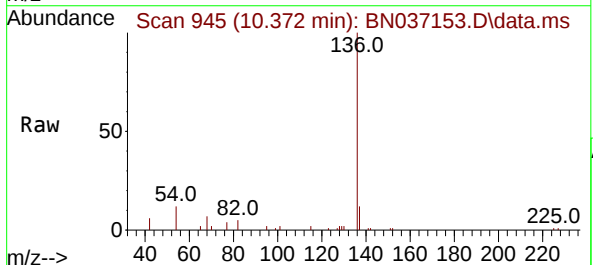
Sig	Exp Ratio
99	100
42	39.1
71	47.7

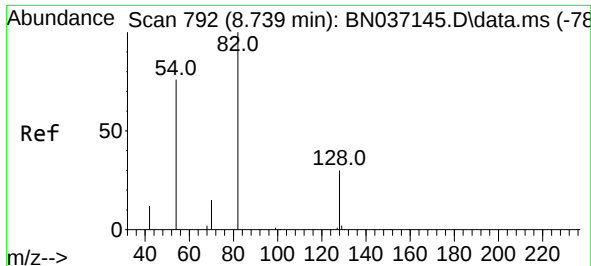


#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.372 min Scan# 945
 Delta R.T. -0.000 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

Tgt Ion: 136 Resp: 6120

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	11.5	9.7	14.5
68	7.1	5.4	8.2

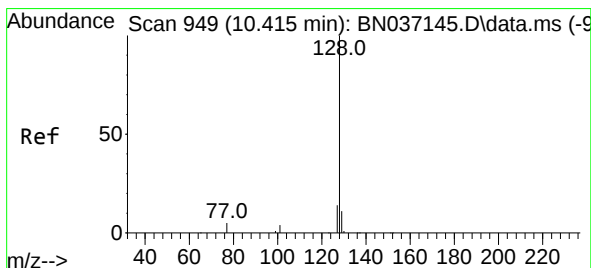
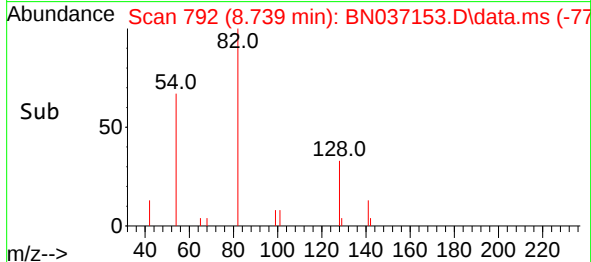
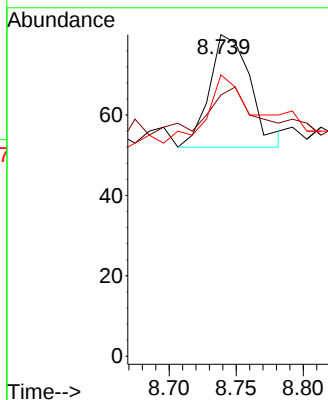
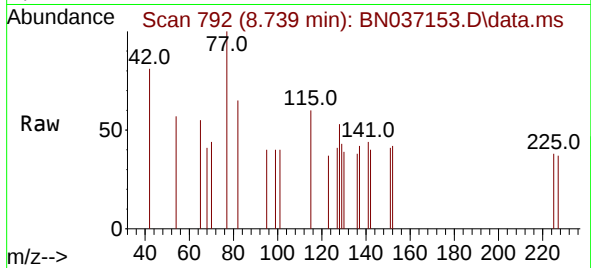




#8
Nitrobenzene-d5
Concen: 0.009 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

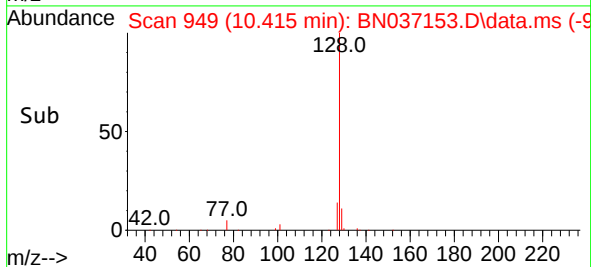
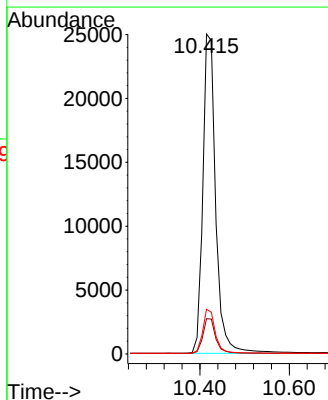
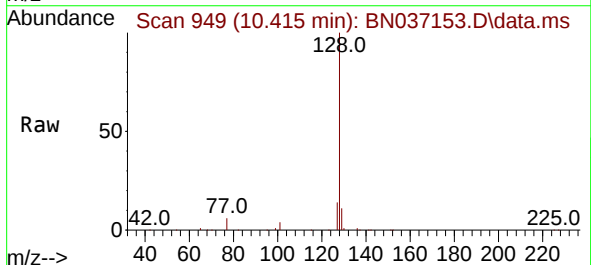
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

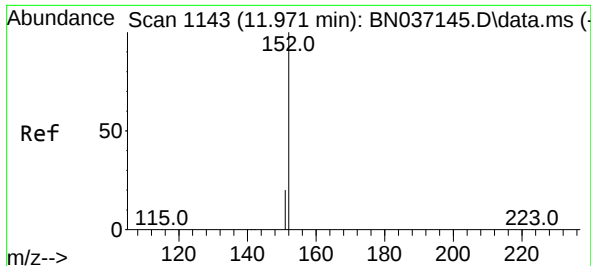
Tgt Ion: 82 Resp: 60
Ion Ratio Lower Upper
82 100
128 81.3 26.9 40.3#
54 87.5 61.4 92.2



#9
Naphthalene
Concen: 2.816 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion: 128 Resp: 49727
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 14.0 12.3 18.5

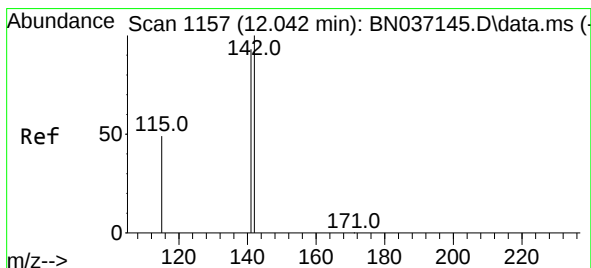
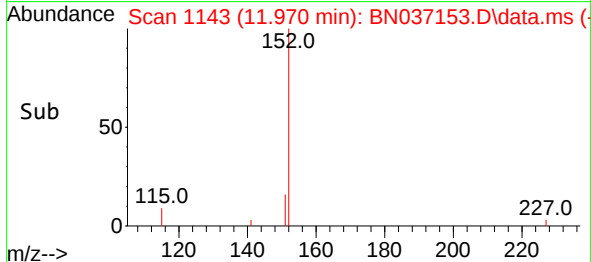
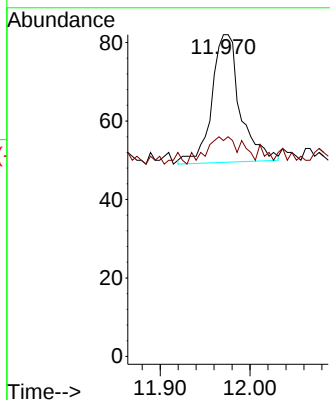
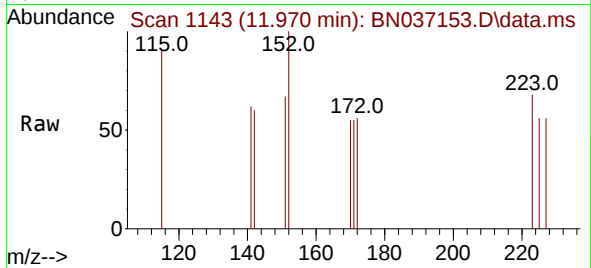




#11
2-Methylnaphthalene-d10
Concen: 0.008 ng
RT: 11.970 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

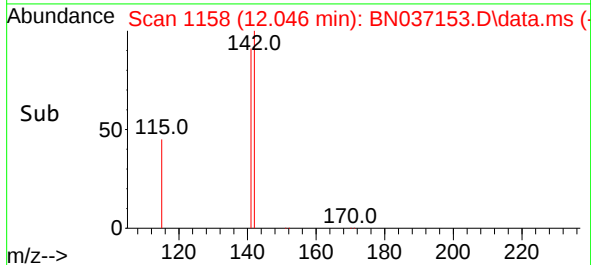
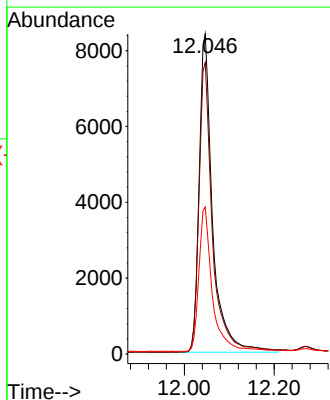
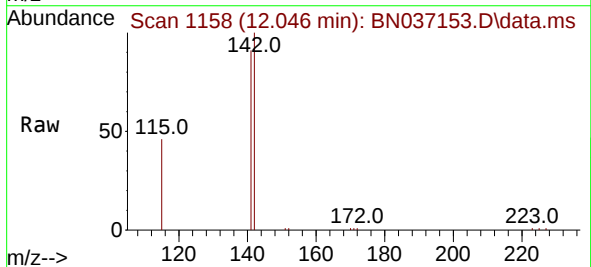
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

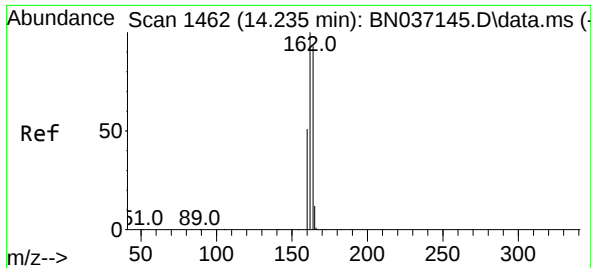
Tgt Ion:152 Resp: 72
Ion Ratio Lower Upper
152 100
151 20.8 17.1 25.7



#12
2-Methylnaphthalene
Concen: 1.543 ng
RT: 12.046 min Scan# 1158
Delta R.T. 0.005 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:142 Resp: 17461
Ion Ratio Lower Upper
142 100
141 91.1 74.6 111.8
115 45.9 41.0 61.4

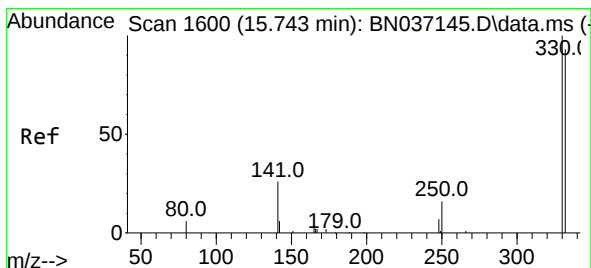
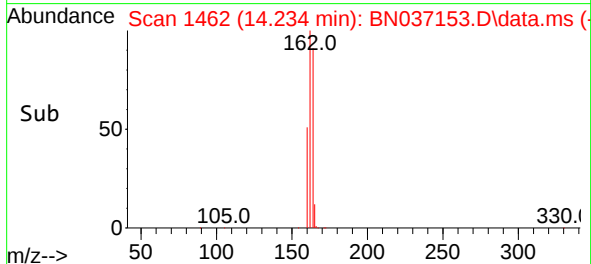
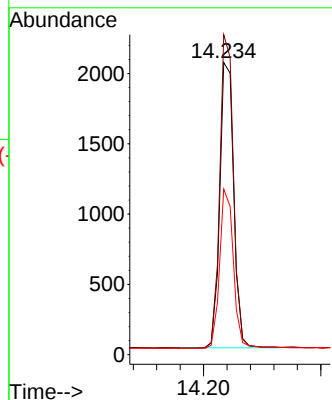
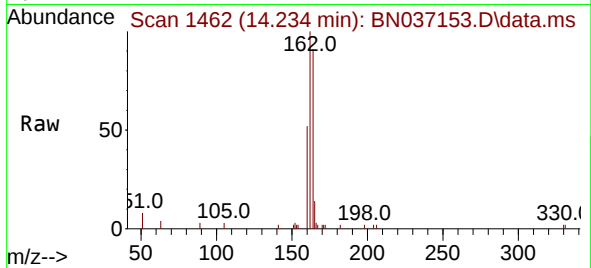




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

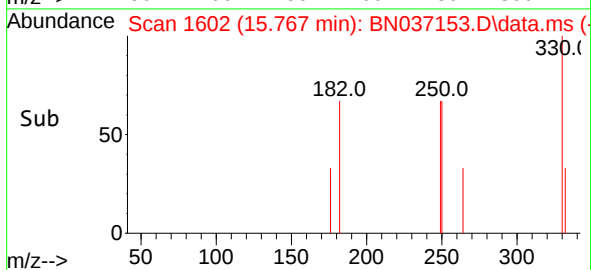
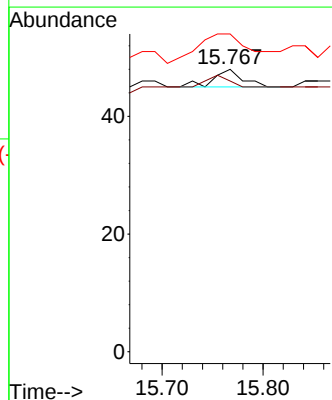
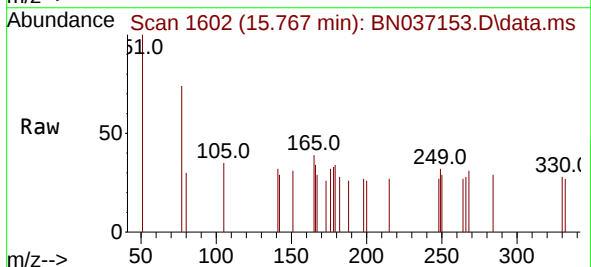
Instrument :
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ClientSampleId :
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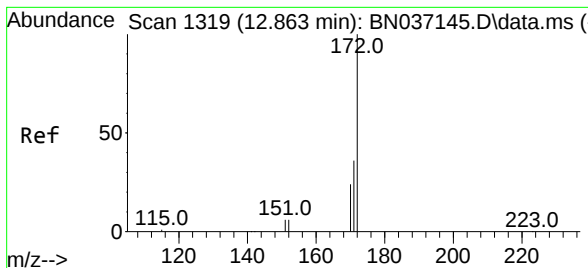
Tgt Ion:164 Resp: 3333
Ion Ratio Lower Upper
164 100
162 109.5 85.5 128.3
160 56.7 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.004 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.025 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:330 Resp: 6
Ion Ratio Lower Upper
330 100
332 50.0 77.1 115.7#
141 300.0 46.4 69.6#

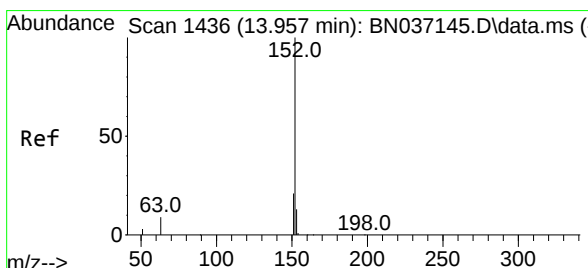
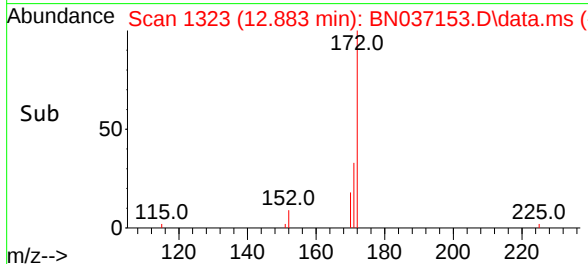
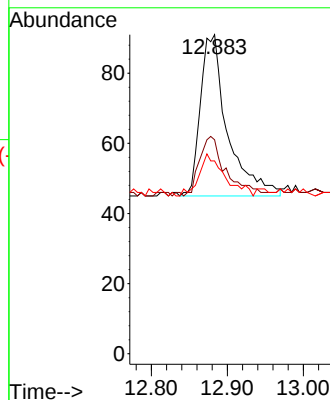
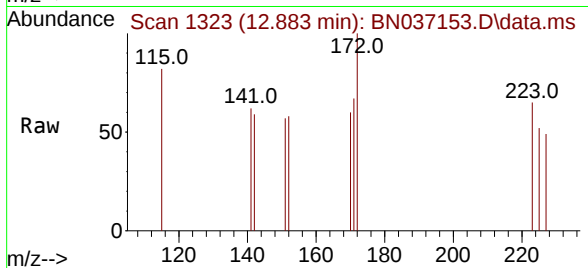




#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 12.883 min Scan# 11
Delta R.T. 0.020 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

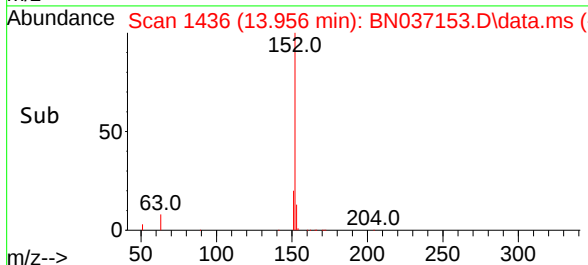
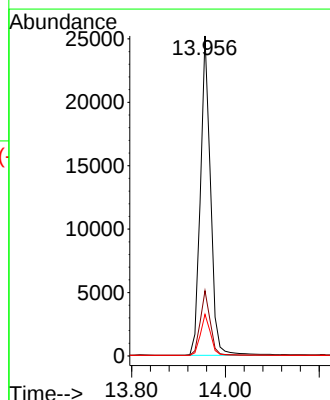
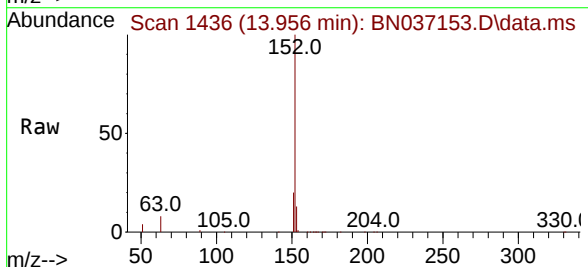
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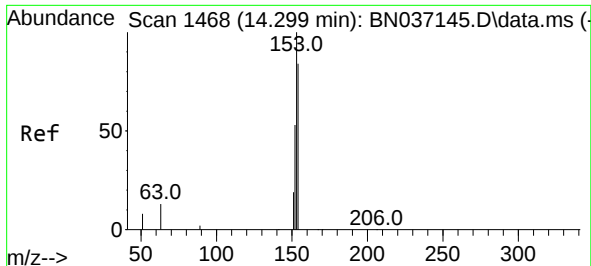
Tgt Ion:172 Resp: 114
Ion Ratio Lower Upper
172 100
171 67.0 29.6 44.4#
170 60.4 20.3 30.5#



#16
Acenaphthylene
Concen: 2.310 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:152 Resp: 37740
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.0 10.6 15.8

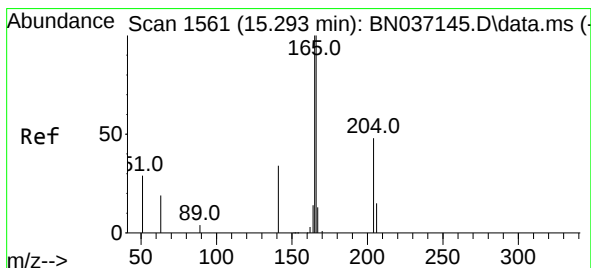
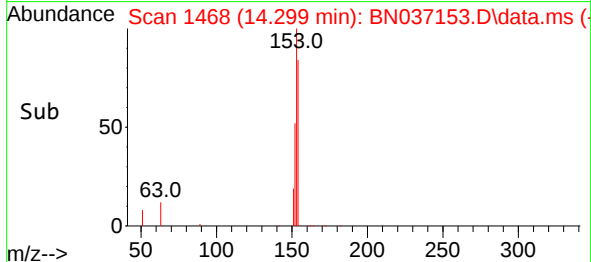
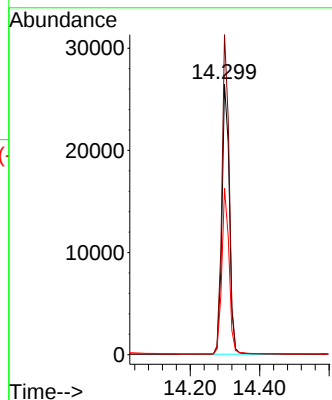
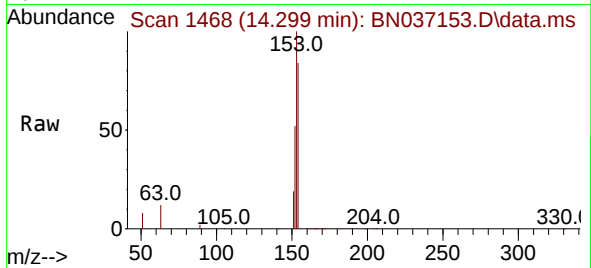




#17
Acenaphthene
Concen: 3.701 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

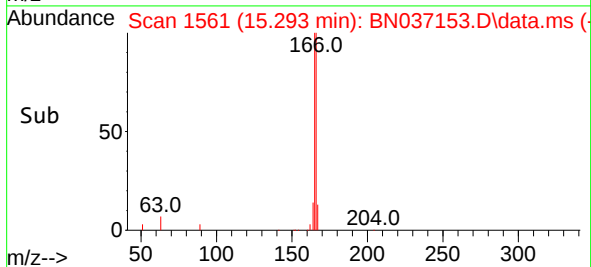
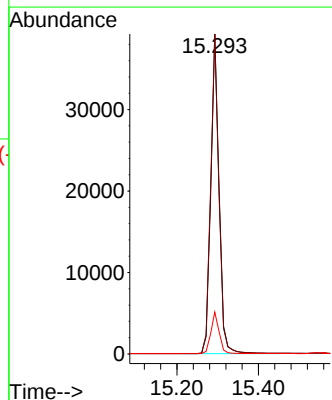
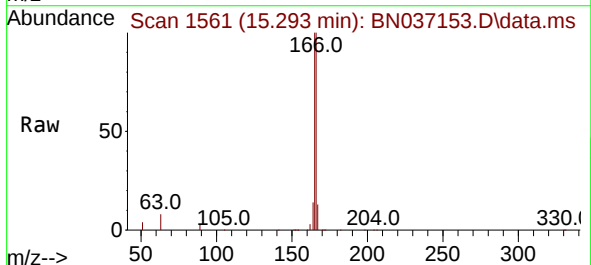
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

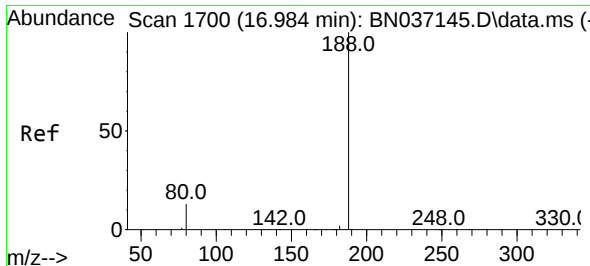
Tgt Ion:154 Resp: 39265
Ion Ratio Lower Upper
154 100
153 116.2 93.8 140.8
152 60.6 50.5 75.7



#18
Fluorene
Concen: 3.943 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:166 Resp: 54997
Ion Ratio Lower Upper
166 100
165 100.2 81.1 121.7
167 13.0 10.8 16.2

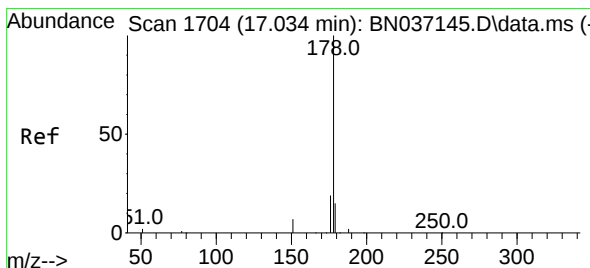
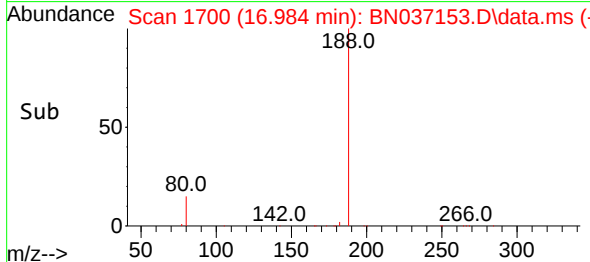
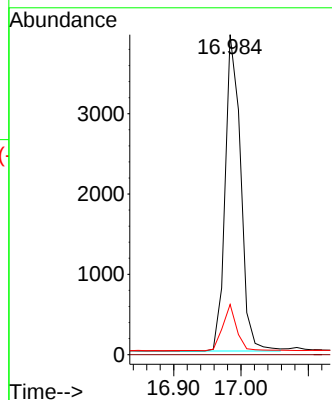
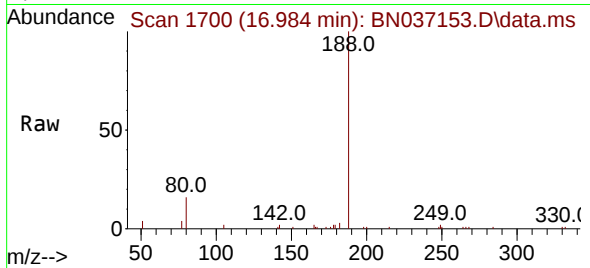




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

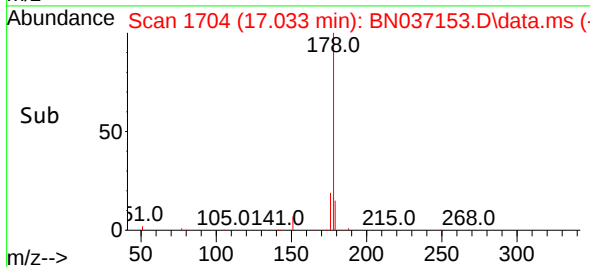
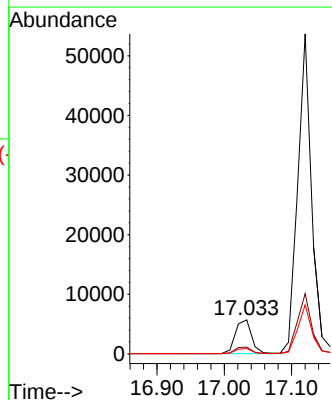
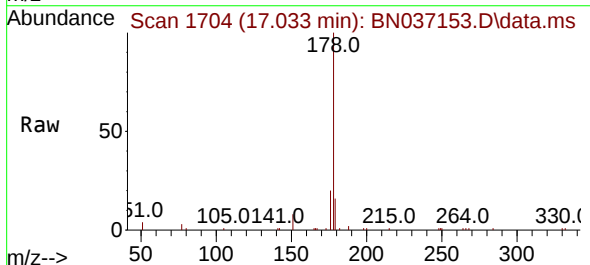
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

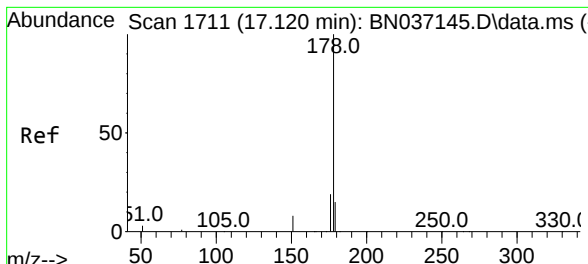
Tgt Ion:188 Resp: 6288
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.7 11.3 16.9



#25
Phenanthrene
Concen: 0.466 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:178 Resp: 9486
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.1 12.3 18.5

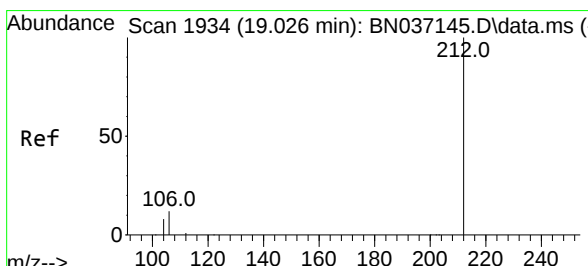
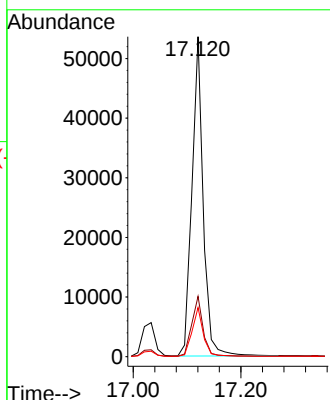
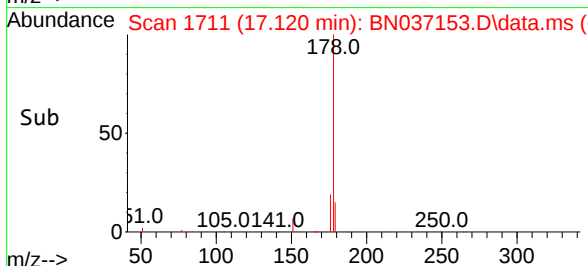
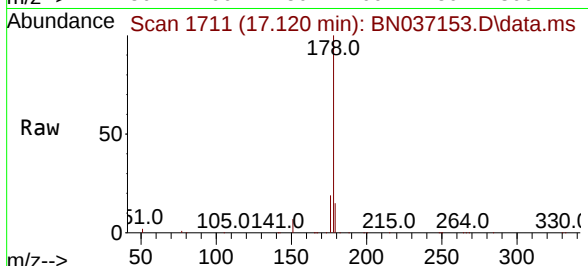




#26
 Anthracene
 Concen: 4.191 ng
 RT: 17.120 min Scan# 1711
 Delta R.T. -0.000 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

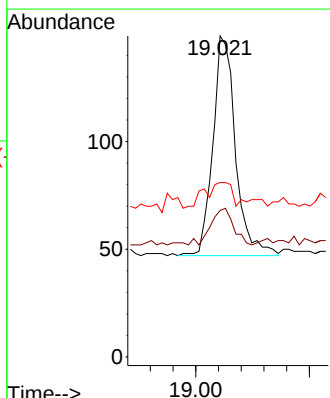
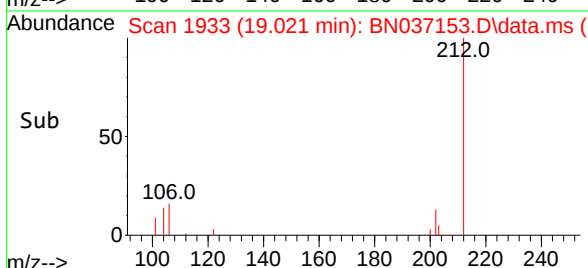
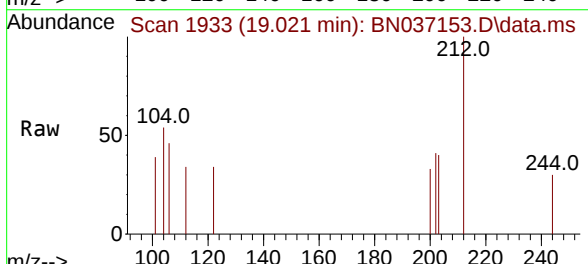
Instrument :
 BNA_N
 ClientSampleId :
 38072-062624DL

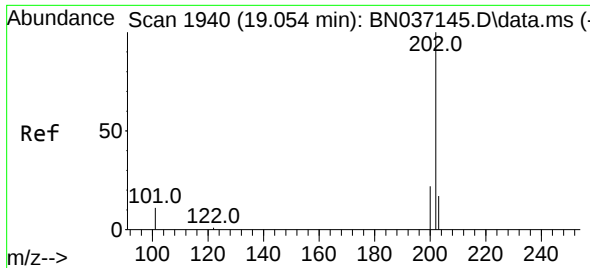
Tgt Ion:	178	Resp:	77911
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.2	12.9	19.3



#27
 Fluoranthene-d10
 Concen: 0.009 ng
 RT: 19.021 min Scan# 1933
 Delta R.T. -0.005 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

Tgt Ion:	212	Resp:	141
Ion Ratio	Lower	Upper	
212	100		
106	17.0	10.6	15.8#
104	14.2	6.6	9.8#

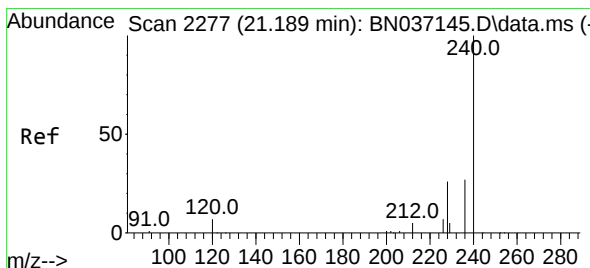
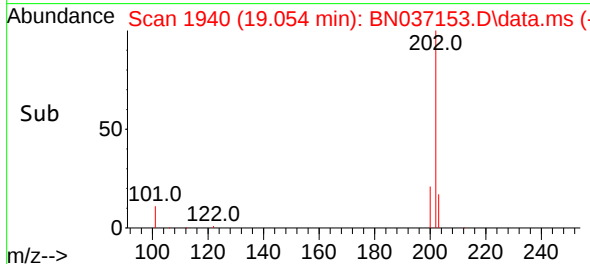
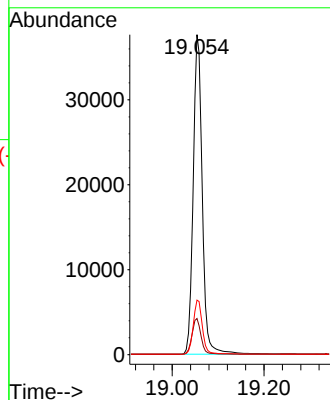
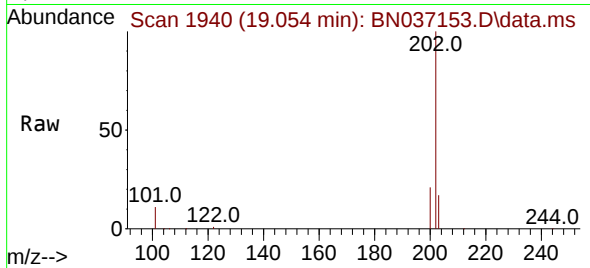




#28
Fluoranthene
Concen: 2.293 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

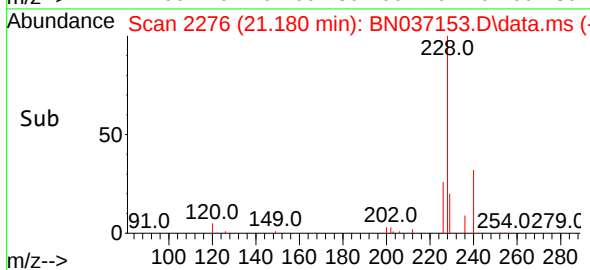
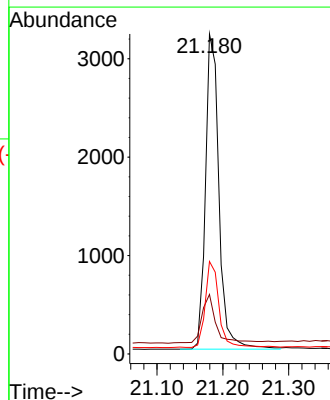
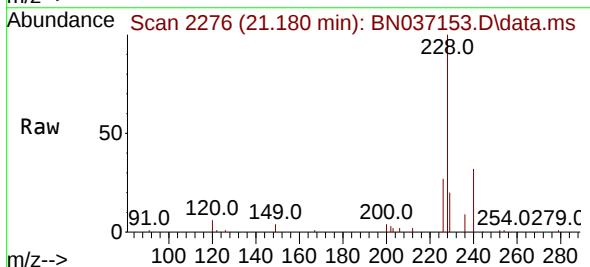
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

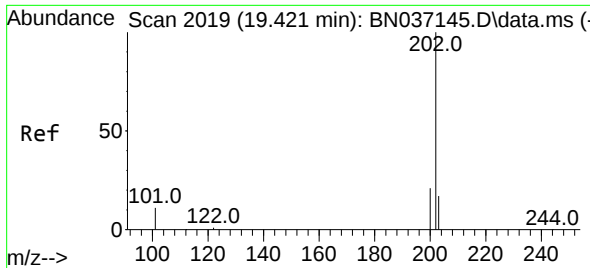
Tgt Ion:202 Resp: 51595
Ion Ratio Lower Upper
202 100
101 11.2 8.7 13.1
203 17.1 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.009 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:240 Resp: 4597
Ion Ratio Lower Upper
240 100
120 18.6 9.0 13.4#
236 28.9 23.0 34.4

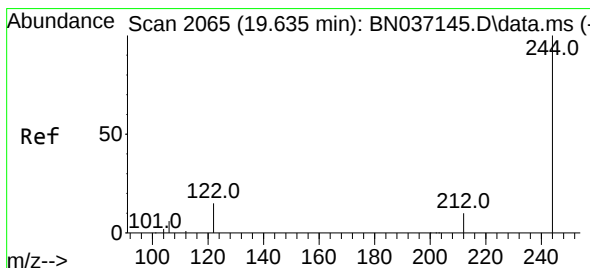
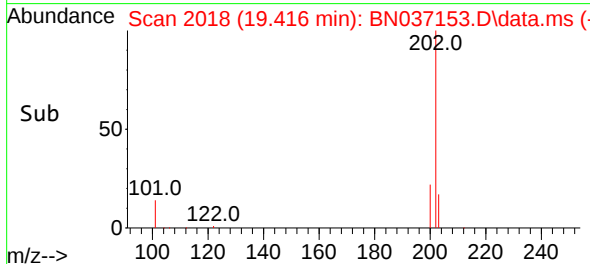
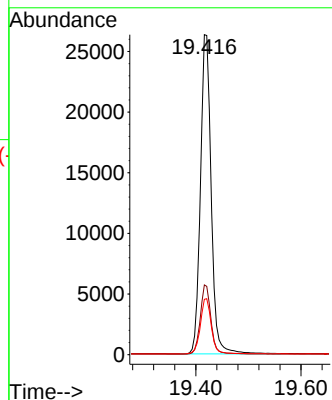
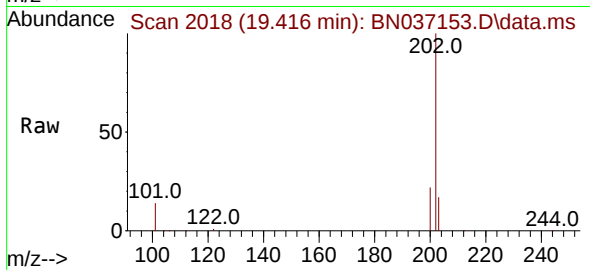




#30
Pyrene
Concen: 1.665 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

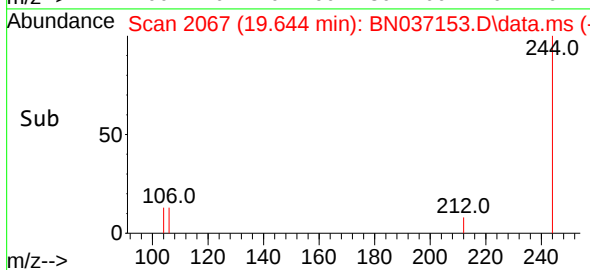
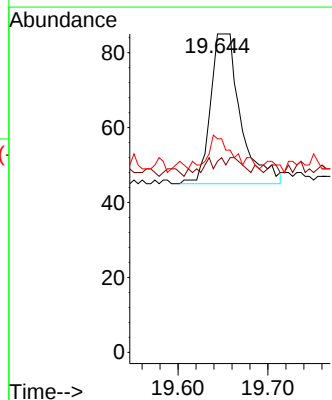
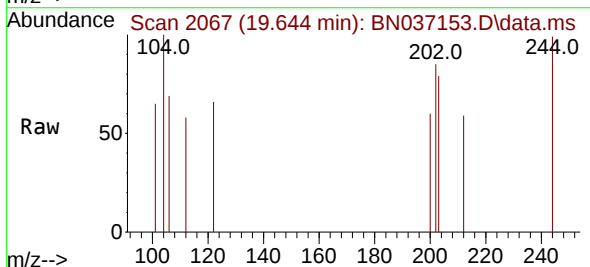
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

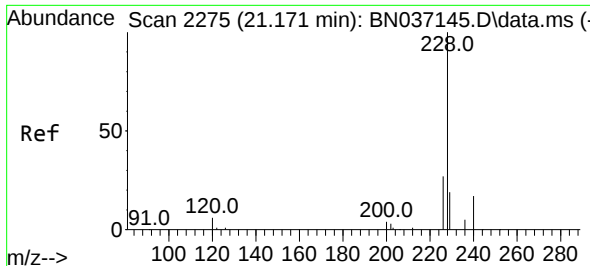
Tgt Ion:202 Resp: 37373
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.7 14.2 21.4



#31
Terphenyl-d14
Concen: 0.009 ng
RT: 19.644 min Scan# 2067
Delta R.T. 0.009 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Tgt Ion:244 Resp: 93
Ion Ratio Lower Upper
244 100
212 60.0 10.0 15.0#
122 67.1 13.2 19.8#

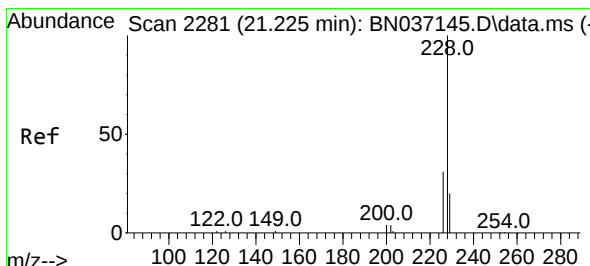
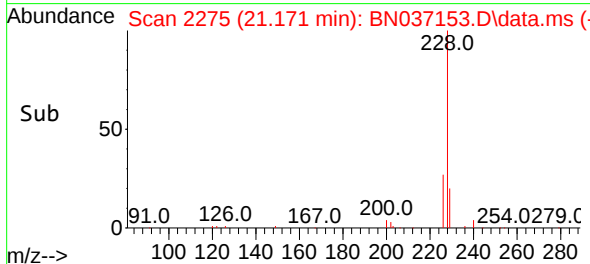
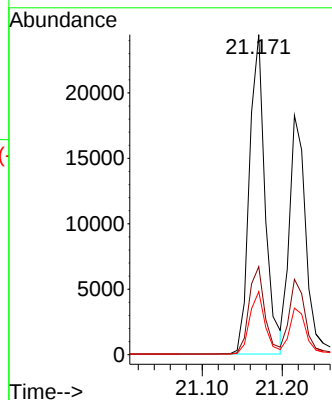
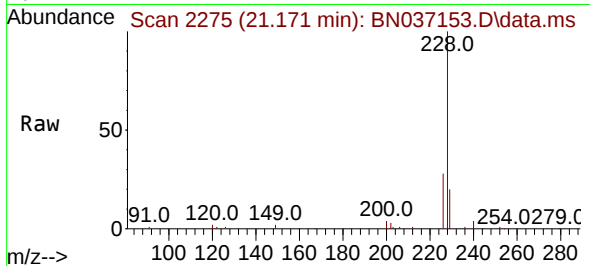




#32
Benzo(a)anthracene
Concen: 2.002 ng
RT: 21.171 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

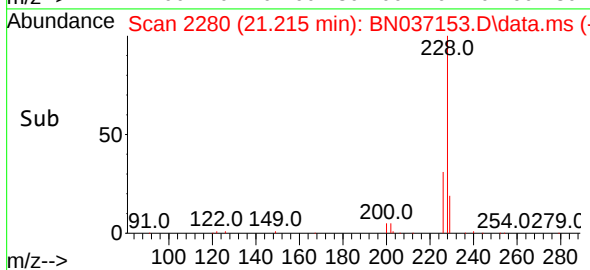
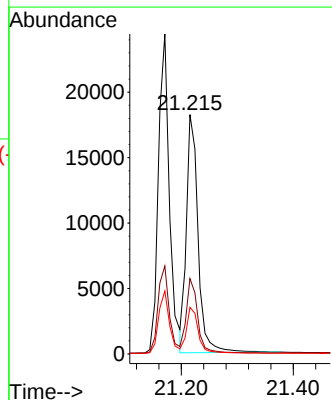
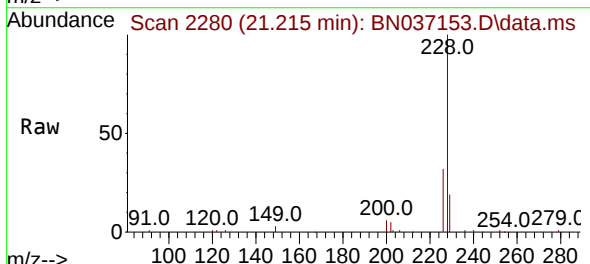
Instrument :
BNA_N
ClientSampleId :
38072-062624DL

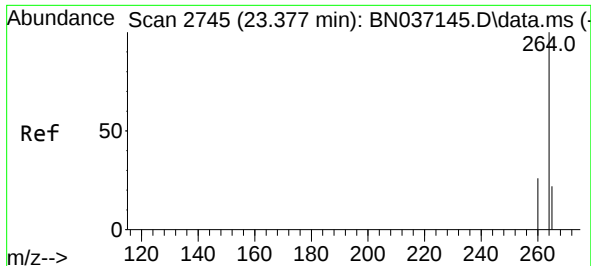
Tgt Ion:228 Resp: 33315
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 19.7 16.2 24.2



#33
Chrysene
Concen: 1.427 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.009 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

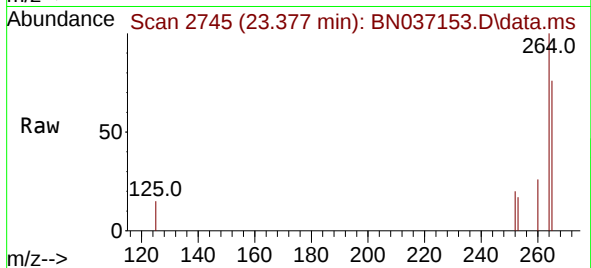
Tgt Ion:228 Resp: 26438
Ion Ratio Lower Upper
228 100
226 31.5 25.2 37.8
229 19.5 16.8 25.2





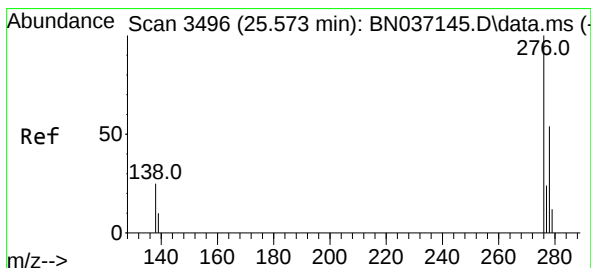
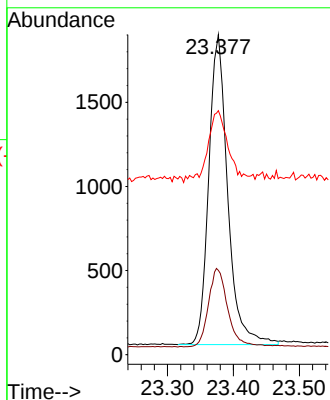
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

Instrument :
 BNA_N
 ClientSampleId :
 38072-062624DL



Tgt Ion:264 Resp: 3669

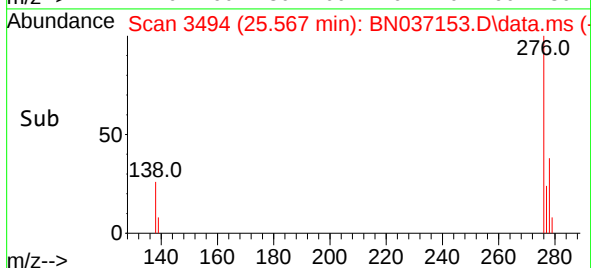
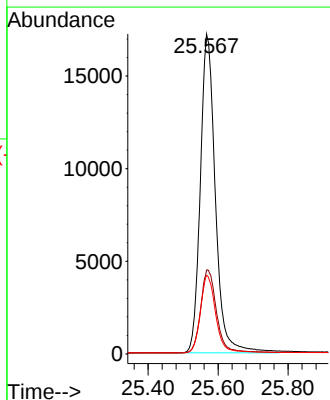
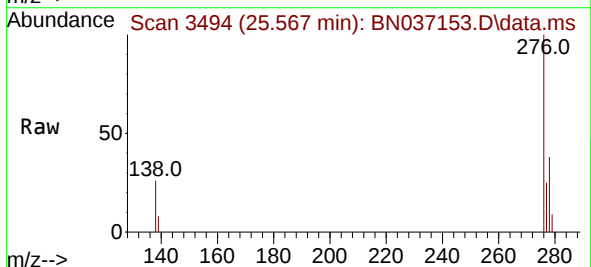
Ion	Ratio	Lower	Upper
264	100		
260	26.3	22.1	33.1
265	76.2	55.8	83.8

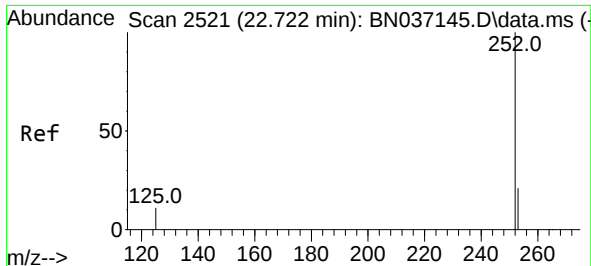


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.526 ng
 RT: 25.567 min Scan# 3494
 Delta R.T. -0.006 min
 Lab File: BN037153.D
 Acq: 03 Jun 2025 18:18

Tgt Ion:276 Resp: 51464

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.0	31.6
277	24.5	19.4	29.2





#37

Benzo(b)fluoranthene

Concen: 1.858 ng

RT: 22.719 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037153.D

Acq: 03 Jun 2025 18:18

Instrument :

BNA_N

ClientSampleId :

38072-062624DL

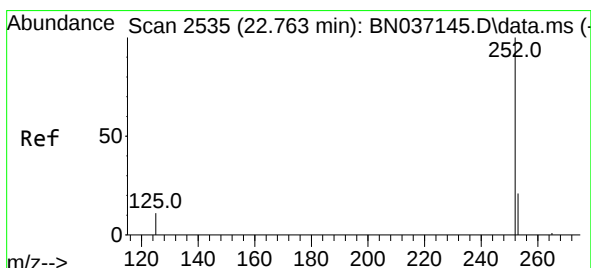
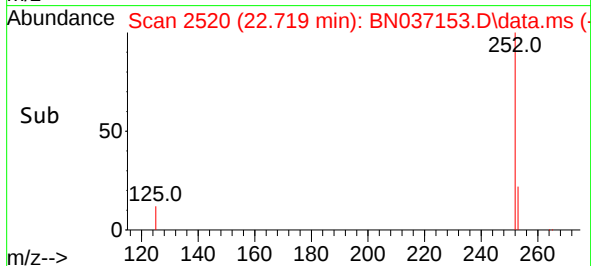
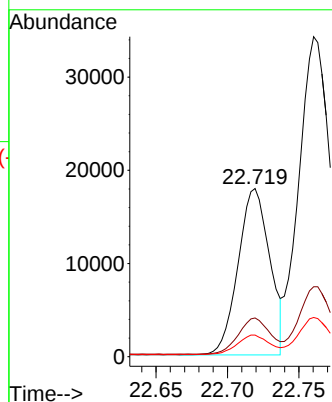
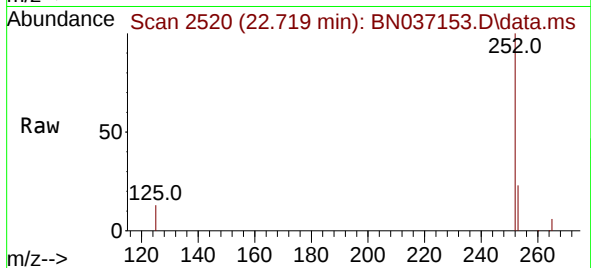
Tgt Ion:252 Resp: 27512

Ion Ratio Lower Upper

252 100

253 23.0 22.3 33.5

125 12.9 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 3.738 ng

RT: 22.760 min Scan# 2534

Delta R.T. -0.003 min

Lab File: BN037153.D

Acq: 03 Jun 2025 18:18

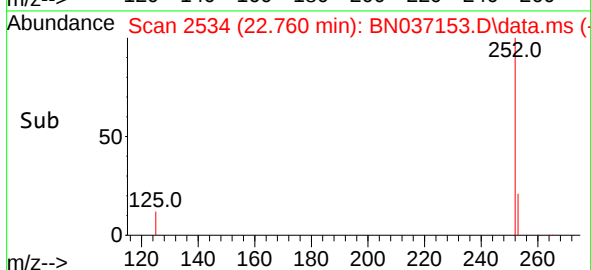
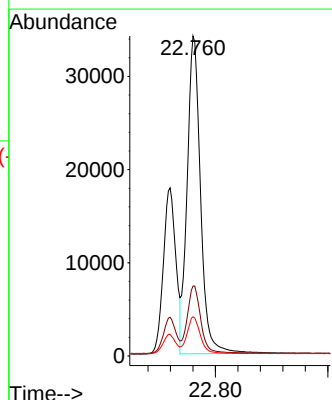
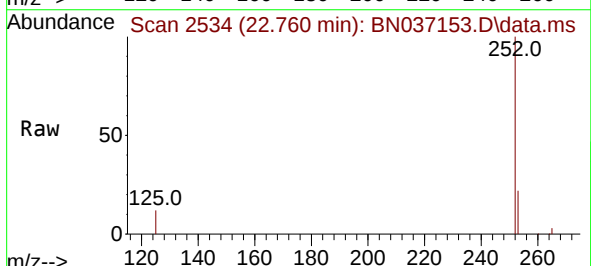
Tgt Ion:252 Resp: 56528

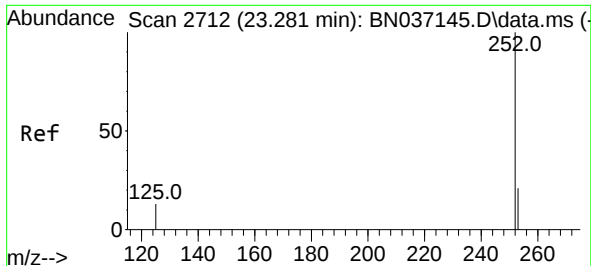
Ion Ratio Lower Upper

252 100

253 21.8 22.2 33.4#

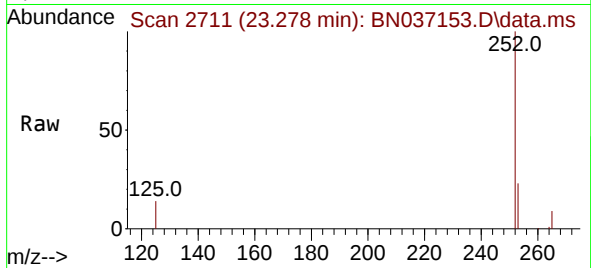
125 12.3 13.2 19.8#



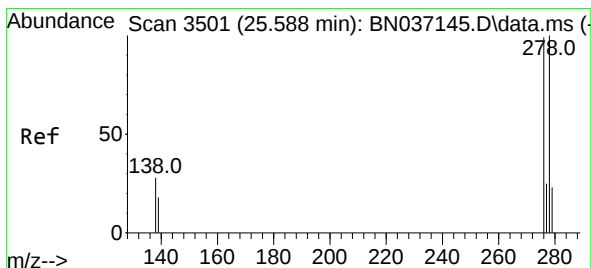
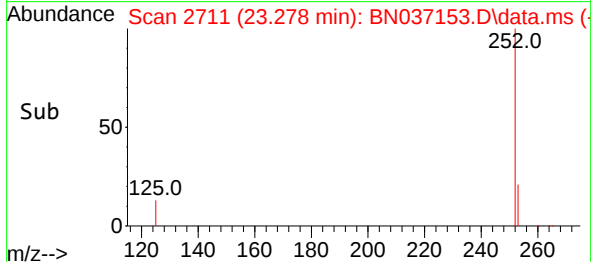
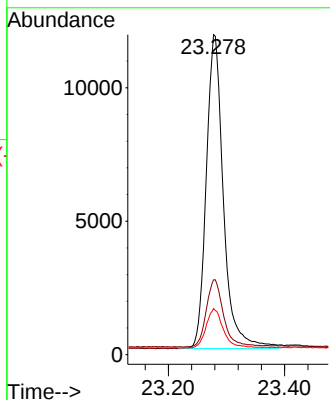


#39
Benzo(a)pyrene
Concen: 1.950 ng
RT: 23.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Instrument :
BNA_N
ClientSampleId :
38072-062624DL

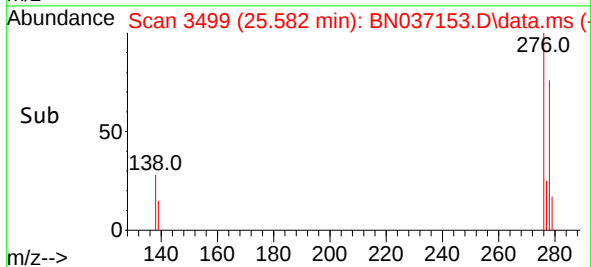
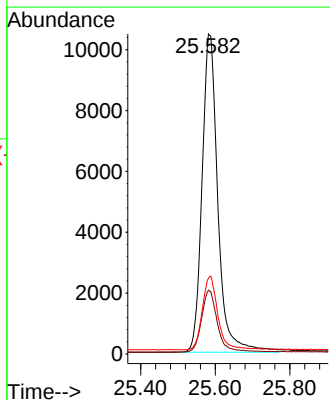
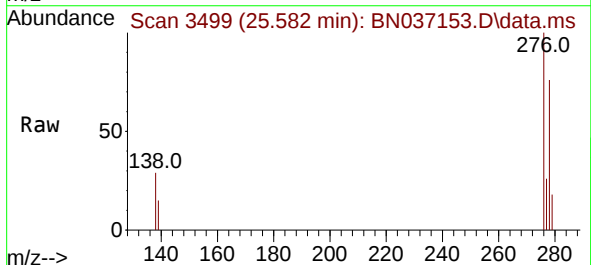


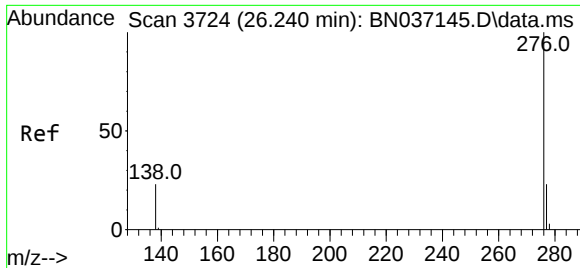
Tgt Ion:252 Resp: 24186
Ion Ratio Lower Upper
252 100
253 23.4 25.0 37.4#
125 14.4 17.0 25.6#



#40
Dibenzo(a,h)anthracene
Concen: 2.737 ng
RT: 25.582 min Scan# 3499
Delta R.T. -0.006 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

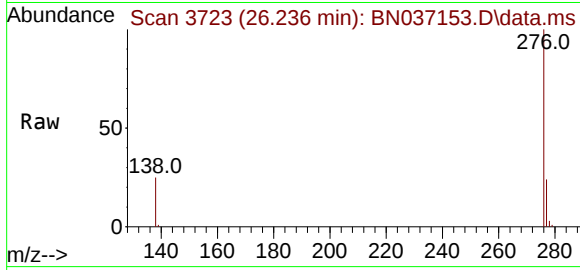
Tgt Ion:278 Resp: 30813
Ion Ratio Lower Upper
278 100
139 19.9 17.6 26.4
279 23.6 26.0 39.0#





#41
Benzo(g,h,i)perylene
Concen: 2.517 ng
RT: 26.236 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN037153.D
Acq: 03 Jun 2025 18:18

Instrument :
BNA_N
ClientSampleId :
38072-062624DL



Tgt Ion:276 Resp: 32541
Ion Ratio Lower Upper
276 100
277 23.8 20.9 31.3
138 24.9 20.8 31.2

