

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037212.D
 Acq On : 10 Jun 2025 04:01
 Operator : RC/JU
 Sample : Q2210-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW1

Quant Time: Jun 10 05:36:49 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)

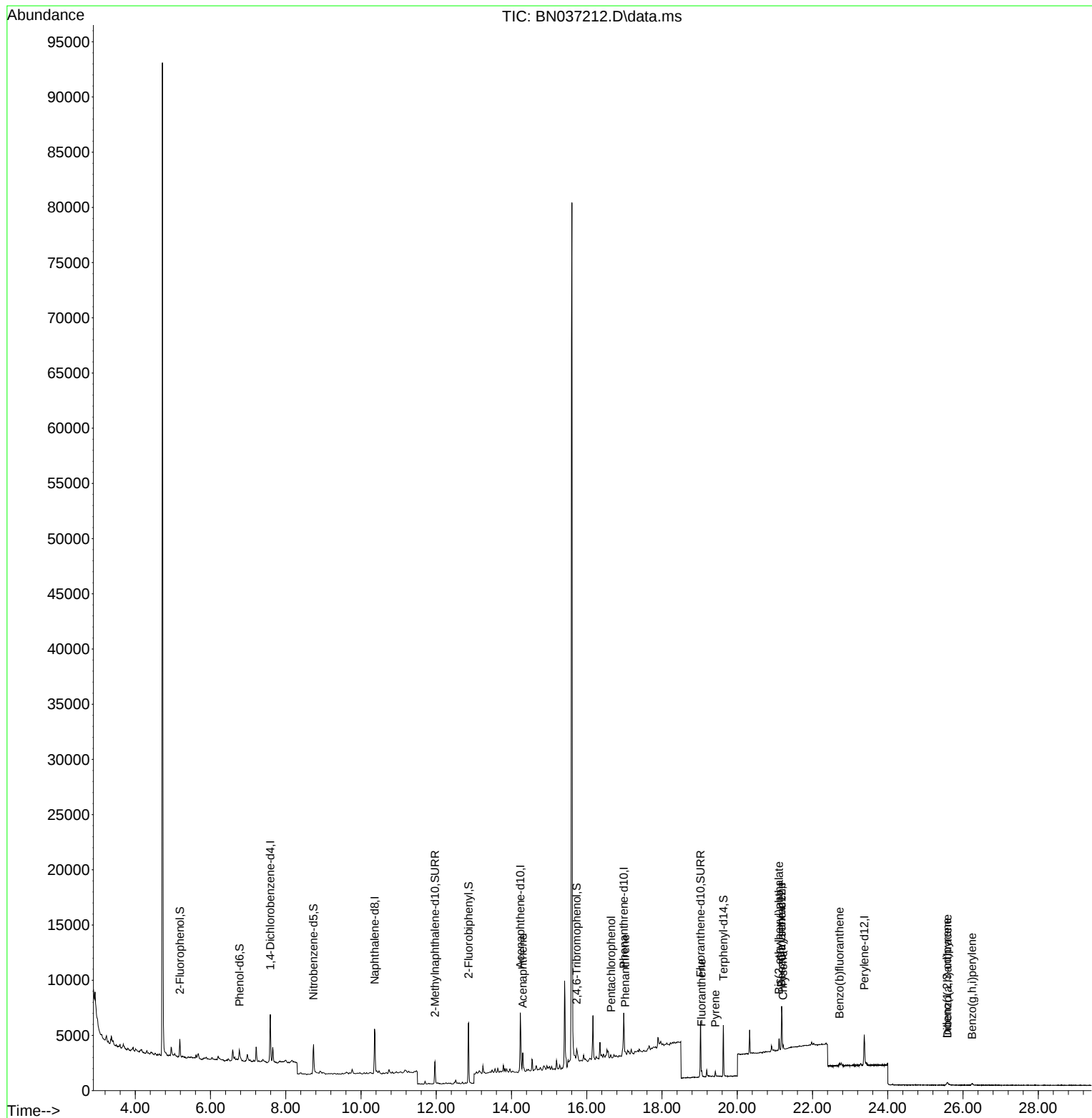
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1990	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	5262	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2819	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4769	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3609	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3542	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1057	0.215	ng	0.00
5) Phenol-d6	6.773	99	781	0.131	ng	0.00
8) Nitrobenzene-d5	8.739	82	2240	0.403	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2890	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	483	0.426	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4842	0.403	ng	0.00
27) Fluoranthene-d10	19.026	212	5413	0.447	ng	0.00
31) Terphenyl-d14	19.630	244	4089	0.481	ng	0.00
Target Compounds						
						Qvalue
17) Acenaphthene	14.299	154	759	0.085	ng	100
24) Pentachlorophenol	16.649	266	75	0.252	ng	94
25) Phenanthrene	17.021	178	351	0.023	ng	# 85
28) Fluoranthene	19.054	202	416	0.024	ng	# 93
30) Pyrene	19.416	202	438	0.025	ng	99
32) Benzo(a)anthracene	21.171	228	296	0.023	ng	# 50
33) Chrysene	21.216	228	296	0.020	ng	# 58
34) Bis(2-ethylhexyl)phtha...	21.108	149	1180	0.143	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.576	276	300	0.021	ng	# 66
37) Benzo(b)fluoranthene	22.722	252	325	0.023	ng	# 1
40) Dibenzo(a,h)anthracene	25.588	278	222	0.020	ng	# 1
41) Benzo(g,h,i)perylene	26.243	276	262	0.021	ng	# 18

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037212.D
Acq On : 10 Jun 2025 04:01
Operator : RC/JU
Sample : Q2210-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TW1

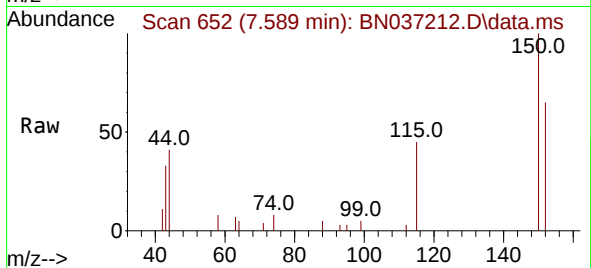
Quant Time: Jun 10 05:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



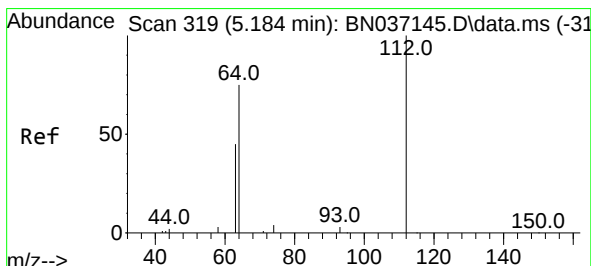
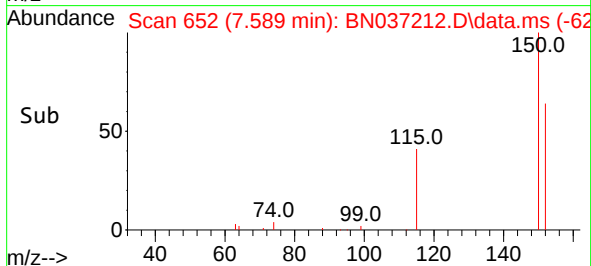
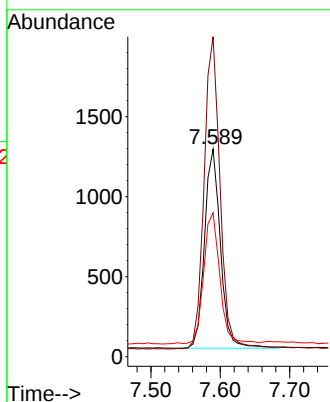


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Instrument :
BNA_N
ClientSampleId :
TW1

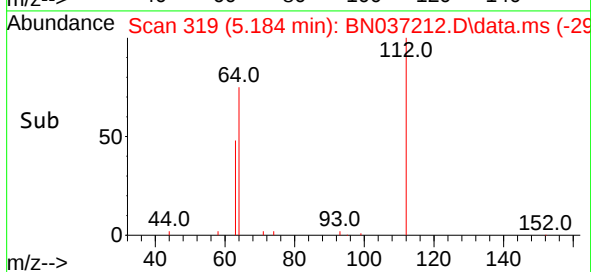
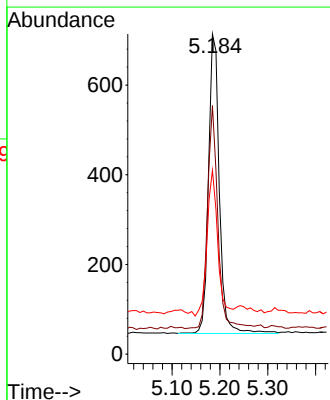
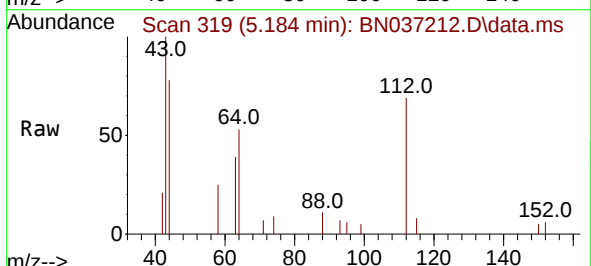


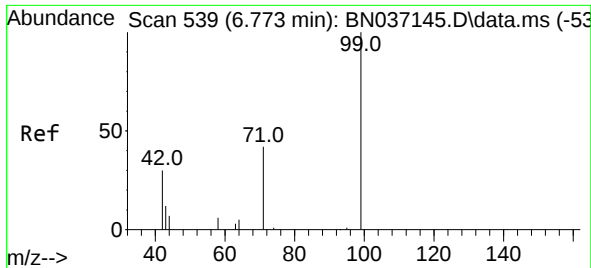
Tgt Ion:152 Resp: 1990
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 69.2 56.6 85.0



#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:112 Resp: 1057
Ion Ratio Lower Upper
112 100
64 69.9 56.3 84.5
63 47.7 36.2 54.4

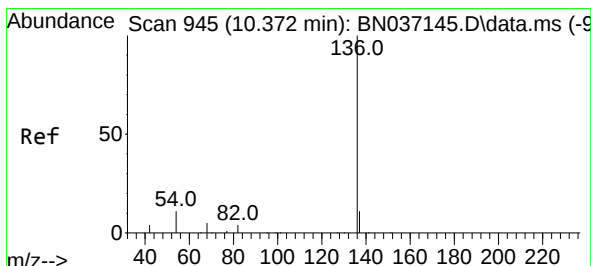
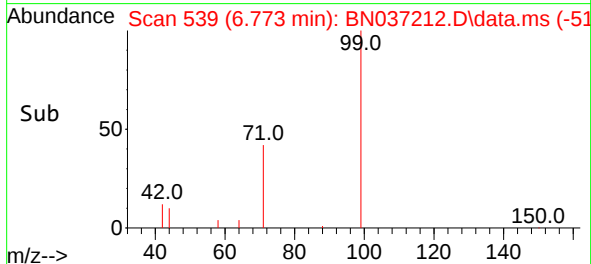
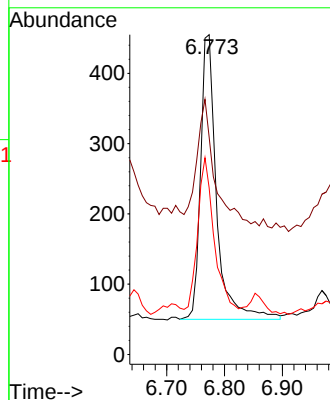
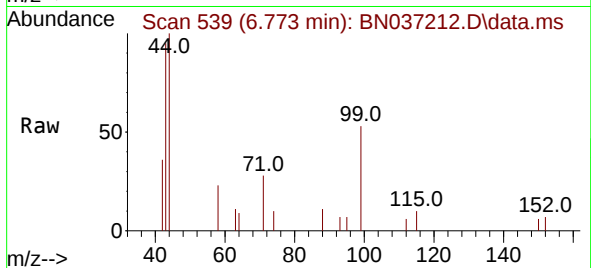




#5
Phenol-d6
Concen: 0.131 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

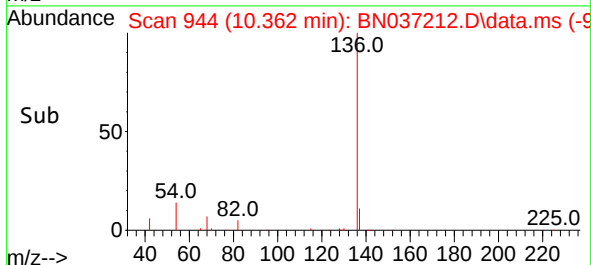
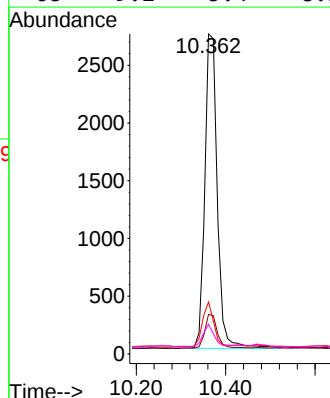
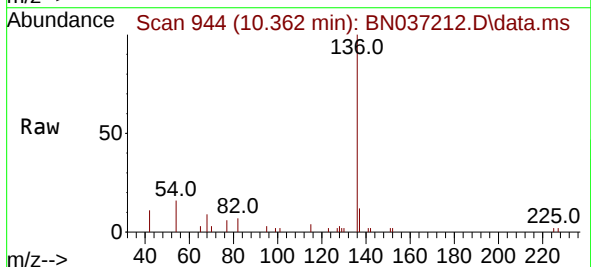
Instrument :
BNA_N
ClientSampleId :
TW1

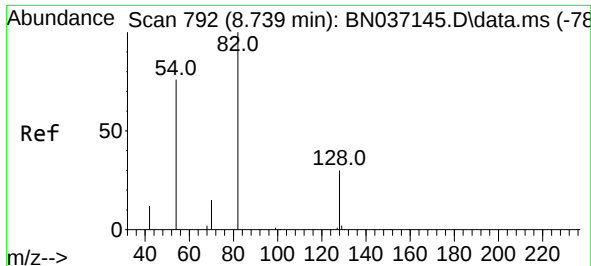
Tgt Ion: 99 Resp: 781
Ion Ratio Lower Upper
99 100
42 49.7 31.3 46.9#
71 58.3 38.2 57.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion: 136 Resp: 5262
Ion Ratio Lower Upper
136 100
137 12.4 9.7 14.5
54 16.2 9.7 14.5#
68 9.2 5.4 8.2#

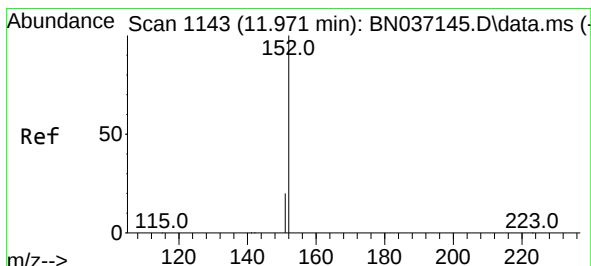
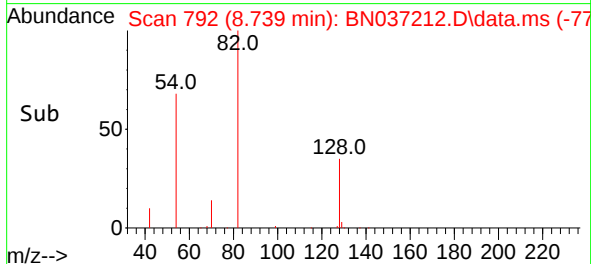
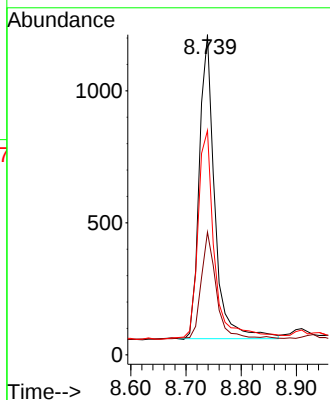
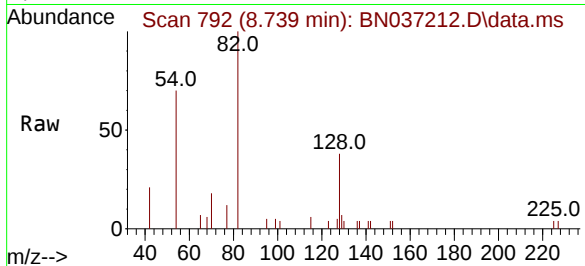




#8
 Nitrobenzene-d5
 Concen: 0.403 ng
 RT: 8.739 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: BN037212.D
 Acq: 10 Jun 2025 04:01

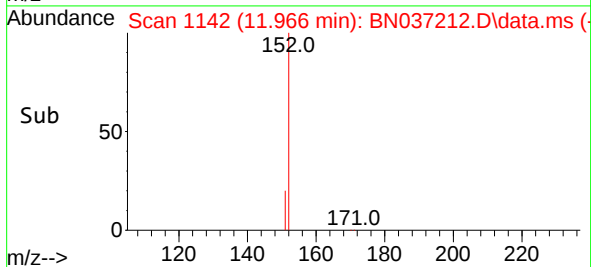
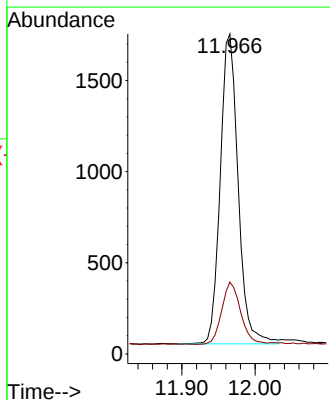
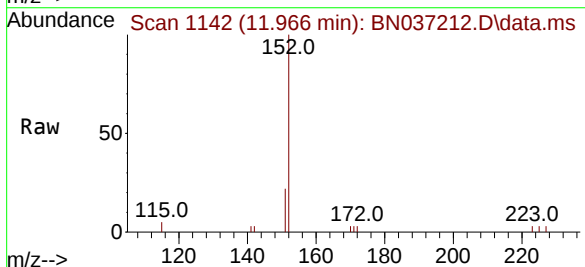
Instrument :
 BNA_N
 ClientSampleId :
 TW1

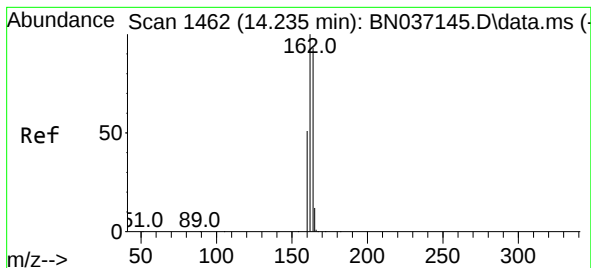
Tgt Ion: 82 Resp: 2240
 Ion Ratio Lower Upper
 82 100
 128 38.3 26.9 40.3
 54 70.1 61.4 92.2



#11
 2-Methylnaphthalene-d10
 Concen: 0.395 ng
 RT: 11.966 min Scan# 1142
 Delta R.T. -0.005 min
 Lab File: BN037212.D
 Acq: 10 Jun 2025 04:01

Tgt Ion: 152 Resp: 2890
 Ion Ratio Lower Upper
 152 100
 151 21.3 17.1 25.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.235 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

Instrument :

BNA_N

ClientSampleId :

TW1

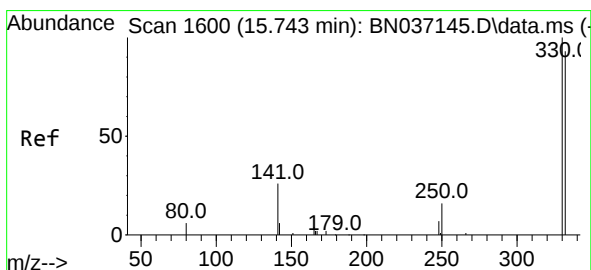
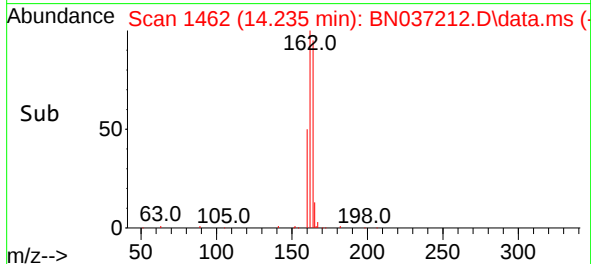
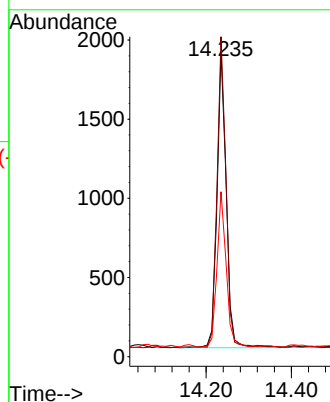
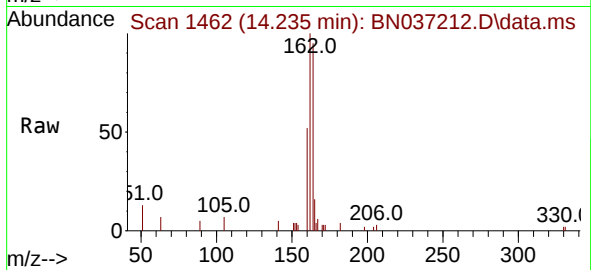
Tgt Ion:164 Resp: 2819

Ion Ratio Lower Upper

164 100

162 104.8 85.5 128.3

160 54.0 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.426 ng

RT: 15.730 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

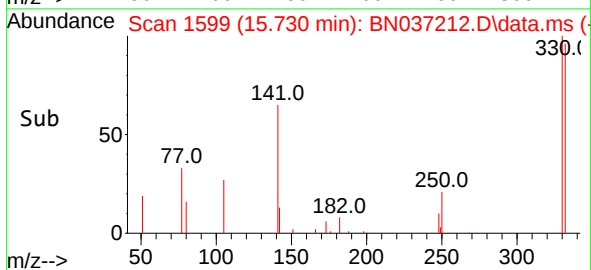
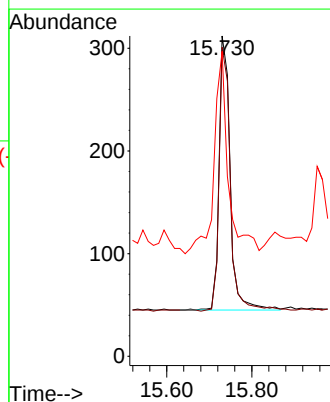
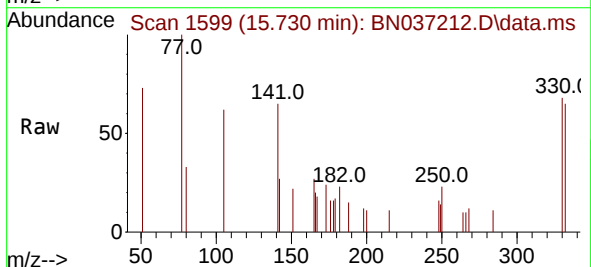
Tgt Ion:330 Resp: 483

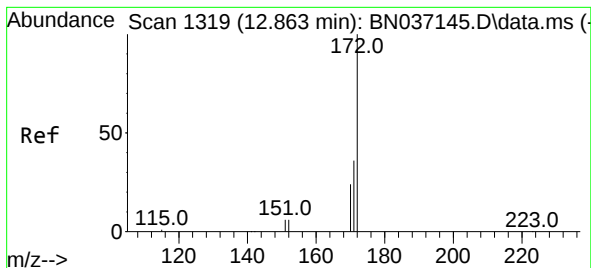
Ion Ratio Lower Upper

330 100

332 98.3 77.1 115.7

141 94.0 46.4 69.6#





#15

2-Fluorobiphenyl

Concen: 0.403 ng

RT: 12.858 min Scan# 1318

Delta R.T. -0.005 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

Instrument :

BNA_N

ClientSampleId :

TW1

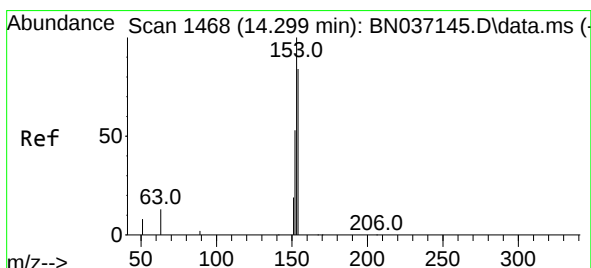
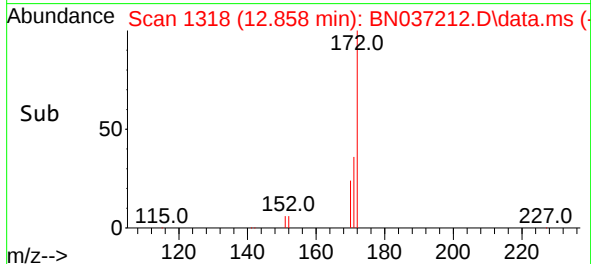
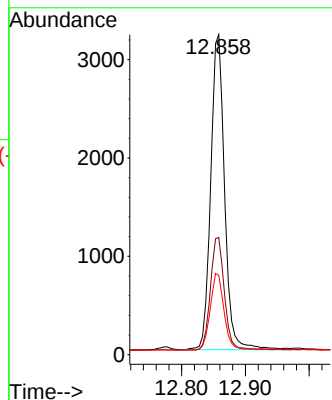
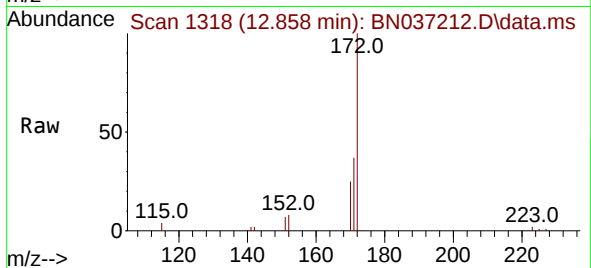
Tgt Ion:172 Resp: 4842

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

170 24.8 20.3 30.5



#17

Acenaphthene

Concen: 0.085 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

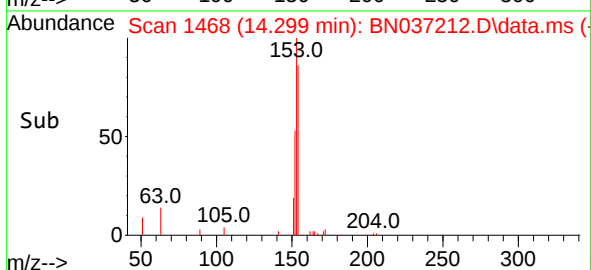
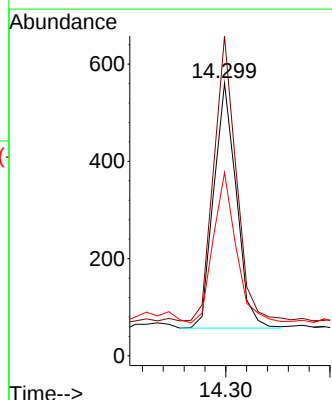
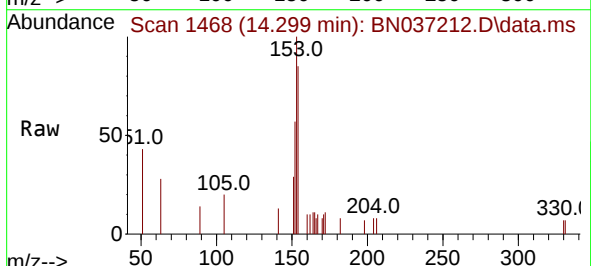
Tgt Ion:154 Resp: 759

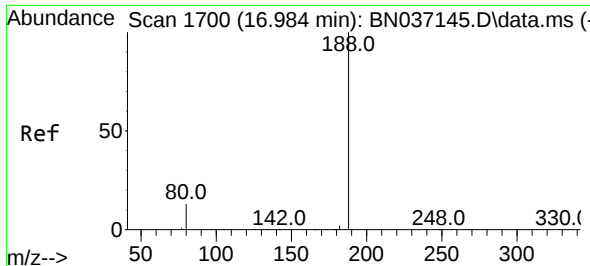
Ion Ratio Lower Upper

154 100

153 117.5 93.8 140.8

152 62.3 50.5 75.7

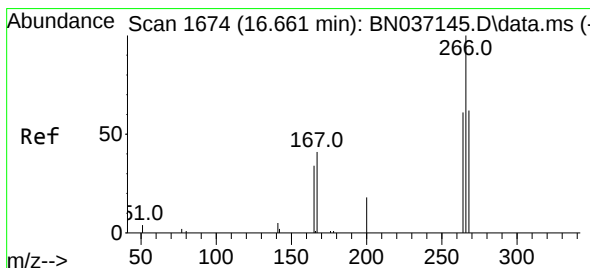
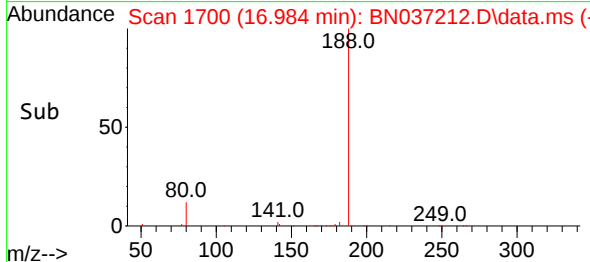
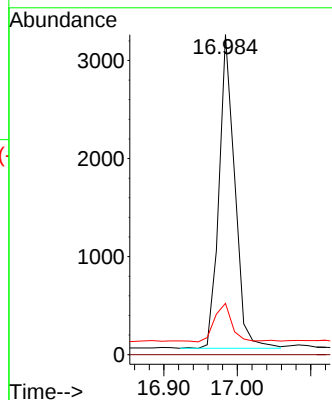
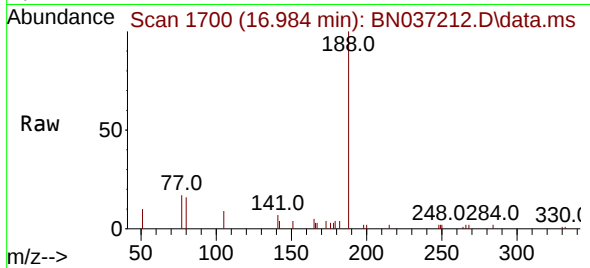




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

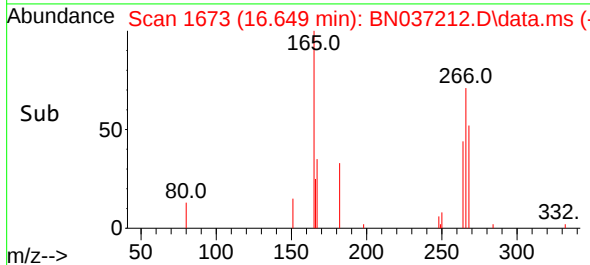
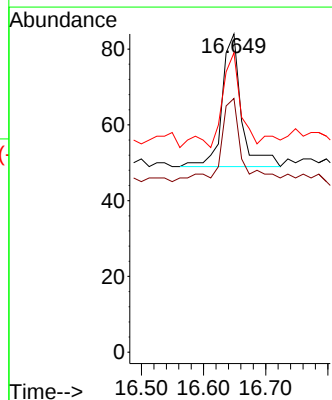
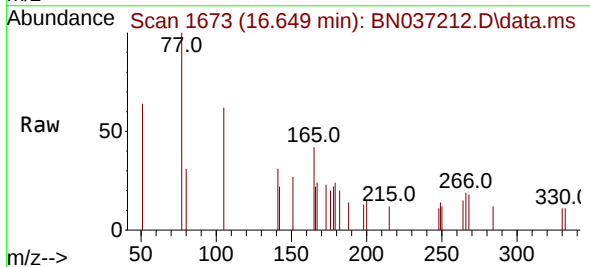
Instrument :
BNA_N
ClientSampleId :
TW1

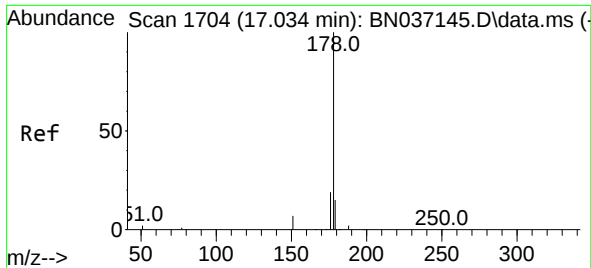
Tgt Ion:188 Resp: 4769
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.1 11.3 16.9



#24
Pentachlorophenol
Concen: 0.252 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:266 Resp: 75
Ion Ratio Lower Upper
266 100
264 68.0 49.3 73.9
268 64.0 49.0 73.4

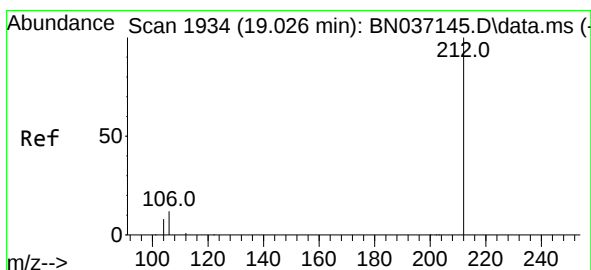
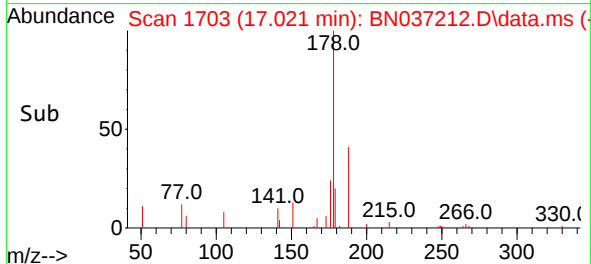
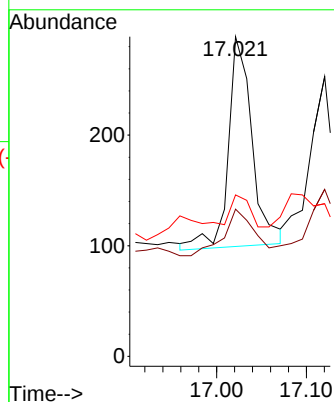
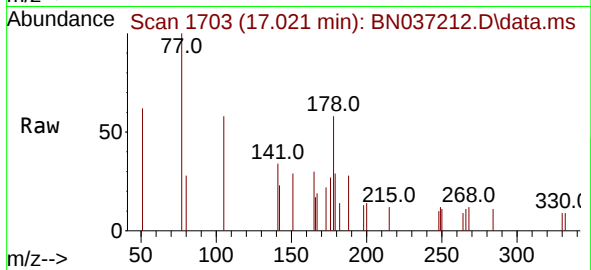




#25
Phenanthrene
Concen: 0.023 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

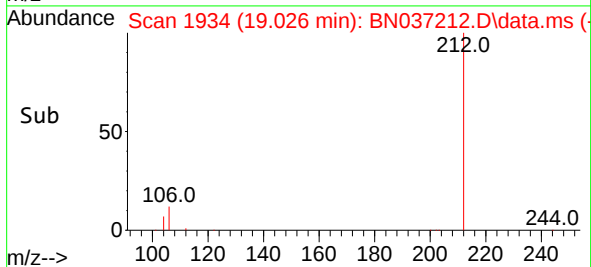
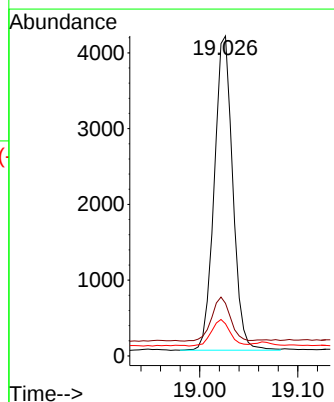
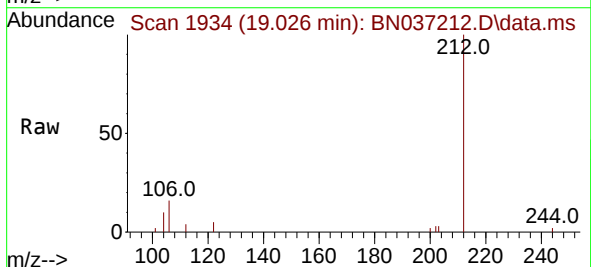
Instrument :
BNA_N
ClientSampleId :
TW1

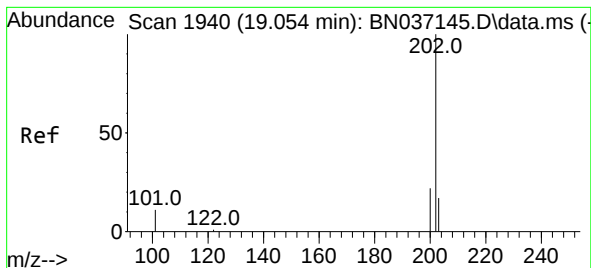
Tgt Ion:178 Resp: 351
Ion Ratio Lower Upper
178 100
176 29.9 15.7 23.5#
179 17.4 12.3 18.5



#27
Fluoranthene-d10
Concen: 0.447 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:212 Resp: 5413
Ion Ratio Lower Upper
212 100
106 14.1 10.6 15.8
104 8.5 6.6 9.8





#28

Fluoranthene

Concen: 0.024 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

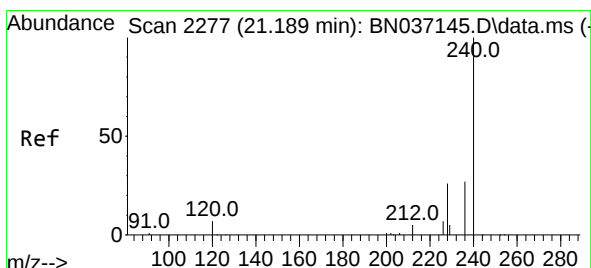
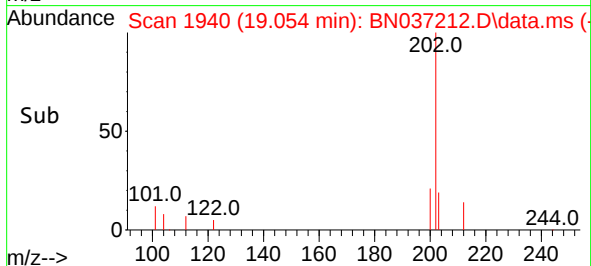
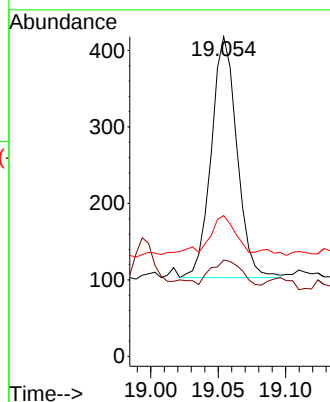
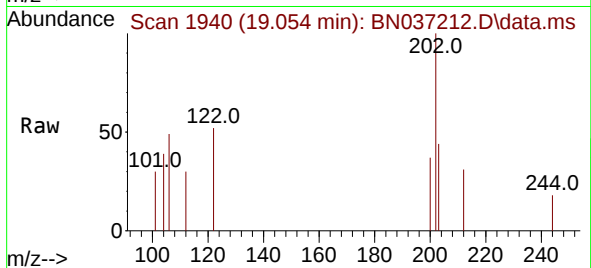
Instrument :

BNA_N

ClientSampleId :

TW1

Tgt Ion:	202	Resp:	416
Ion	Ratio	Lower	Upper
202	100		
101	15.6	8.7	13.1#
203	15.6	13.5	20.3



#29

Chrysene-d12

Concen: 0.400 ng

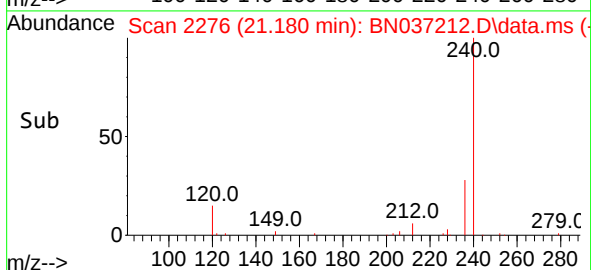
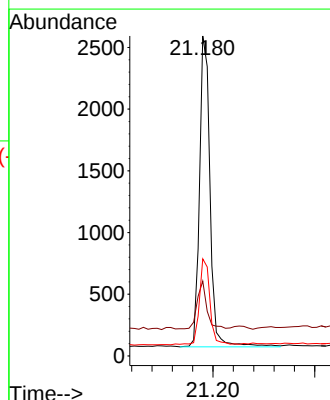
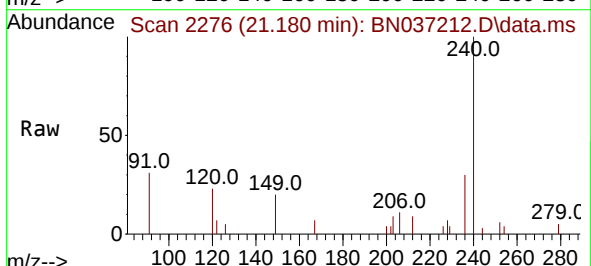
RT: 21.180 min Scan# 2276

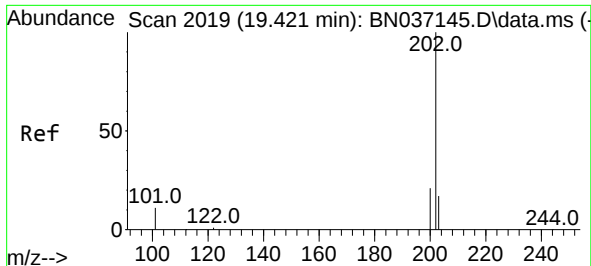
Delta R.T. -0.009 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

Tgt Ion:	240	Resp:	3609
Ion	Ratio	Lower	Upper
240	100		
120	23.4	9.0	13.4#
236	30.4	23.0	34.4

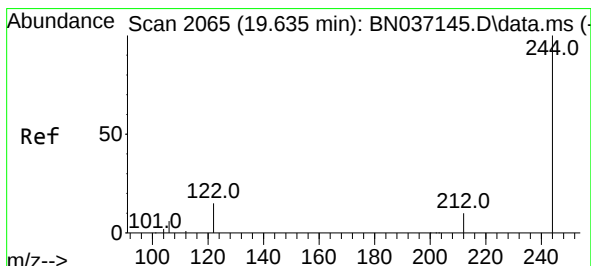
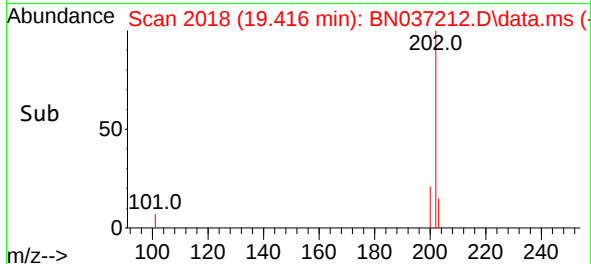
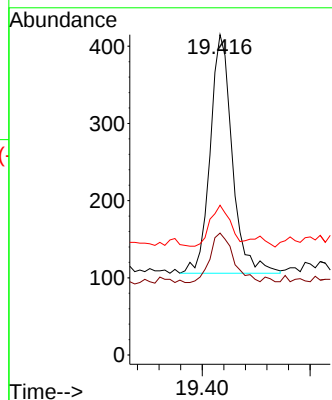
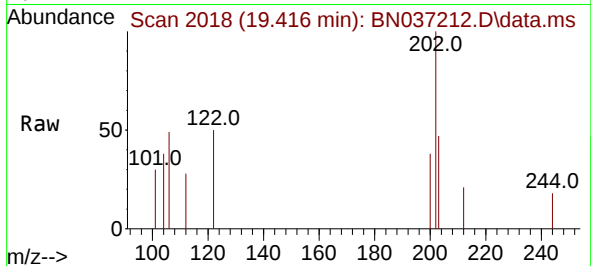




#30
Pyrene
Concen: 0.025 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

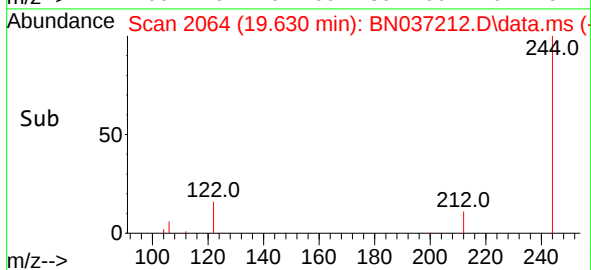
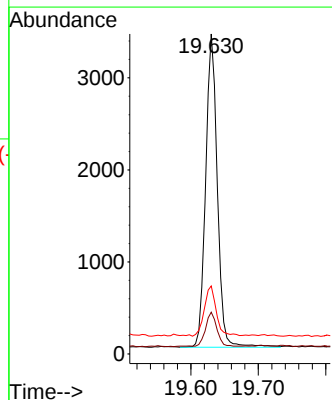
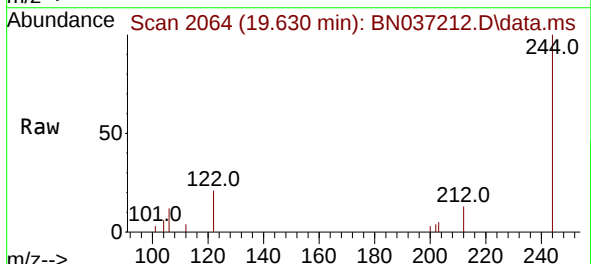
Instrument :
BNA_N
ClientSampleId :
TW1

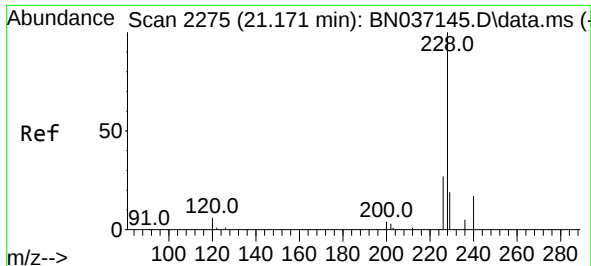
Tgt Ion:202 Resp: 438
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.6
203 17.1 14.2 21.4



#31
Terphenyl-d14
Concen: 0.481 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:244 Resp: 4089
Ion Ratio Lower Upper
244 100
212 13.1 10.0 15.0
122 21.3 13.2 19.8#

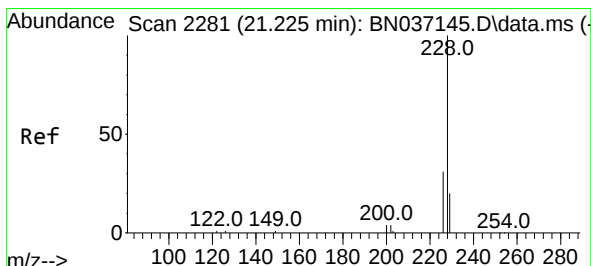
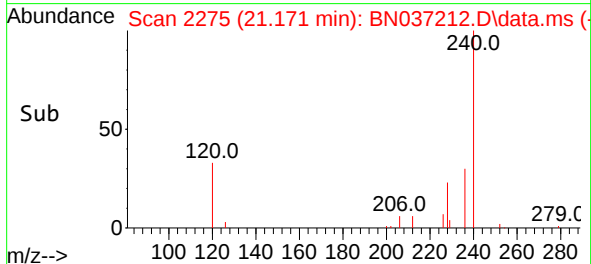
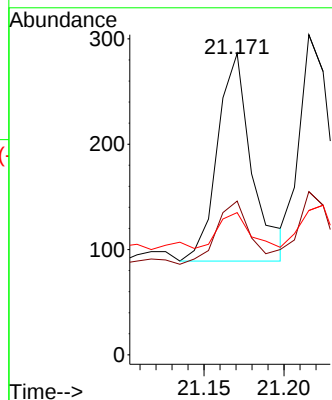
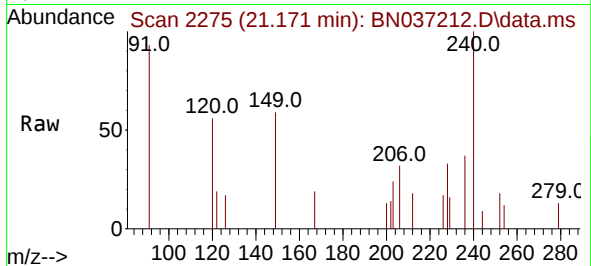




#32
Benzo(a)anthracene
Concen: 0.023 ng
RT: 21.171 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

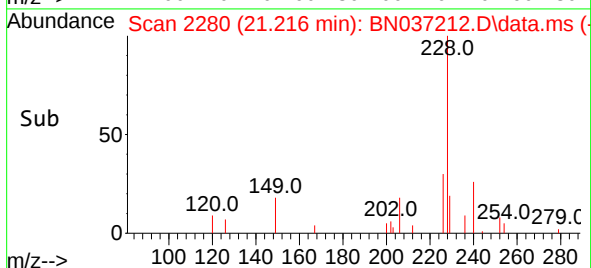
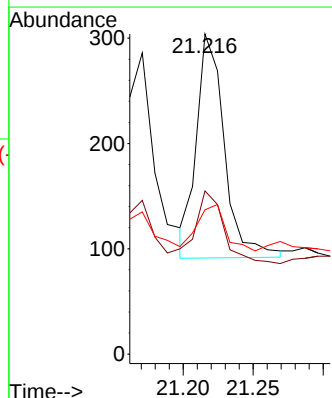
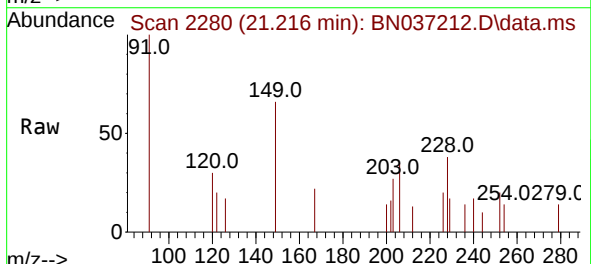
Instrument :
BNA_N
ClientSampleId :
TW1

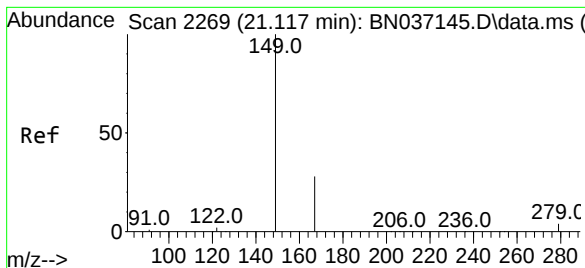
Tgt Ion:228 Resp: 296
Ion Ratio Lower Upper
228 100
226 51.0 22.6 33.8#
229 47.2 16.2 24.2#



#33
Chrysene
Concen: 0.020 ng
RT: 21.216 min Scan# 2280
Delta R.T. -0.009 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:228 Resp: 296
Ion Ratio Lower Upper
228 100
226 51.0 25.2 37.8#
229 45.1 16.8 25.2#

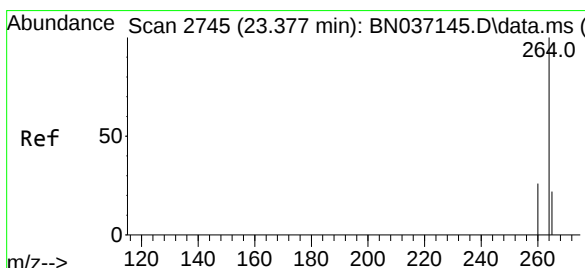
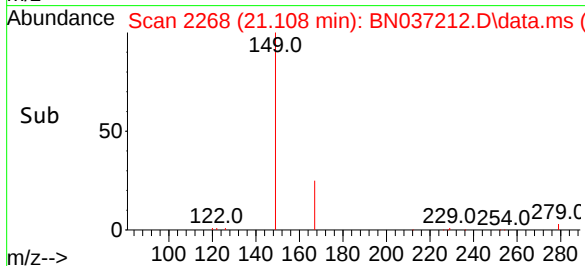
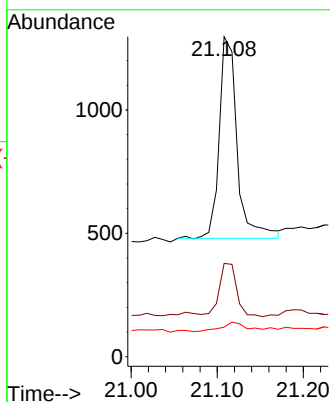
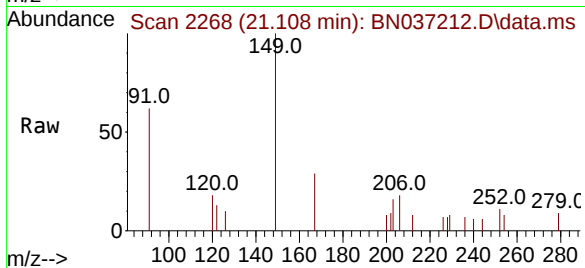




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.143 ng
 RT: 21.108 min Scan# 21108
 Delta R.T. -0.009 min
 Lab File: BN037212.D
 Acq: 10 Jun 2025 04:01

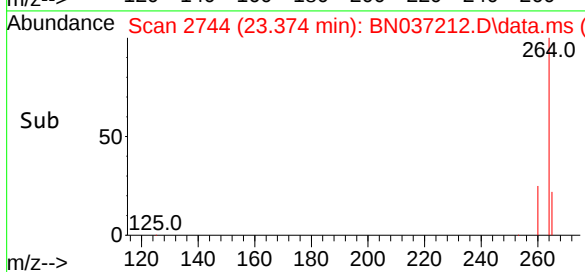
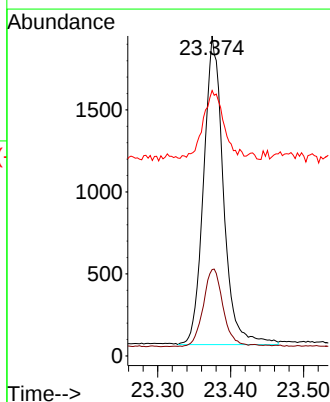
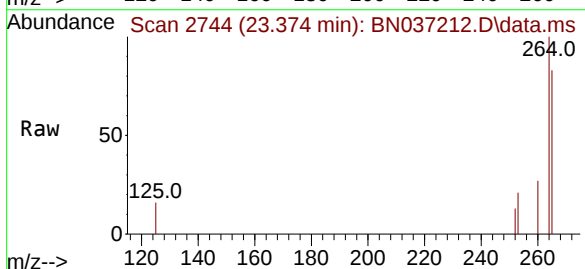
Instrument :
 BNA_N
 ClientSampleId :
 TW1

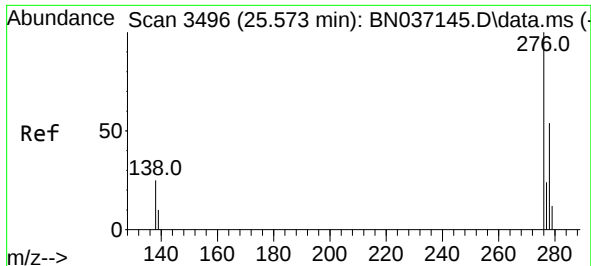
Tgt Ion:149 Resp: 1180
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.0 31.4
 279 6.4 2.9 4.3#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.374 min Scan# 2744
 Delta R.T. -0.003 min
 Lab File: BN037212.D
 Acq: 10 Jun 2025 04:01

Tgt Ion:264 Resp: 3542
 Ion Ratio Lower Upper
 264 100
 260 27.0 22.1 33.1
 265 82.9 55.8 83.8

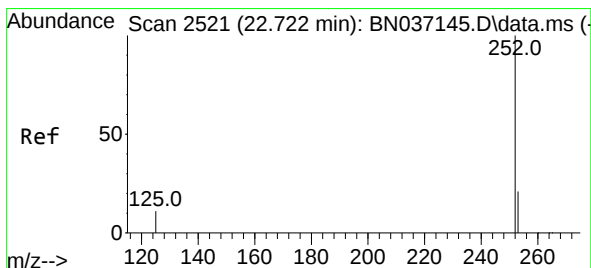
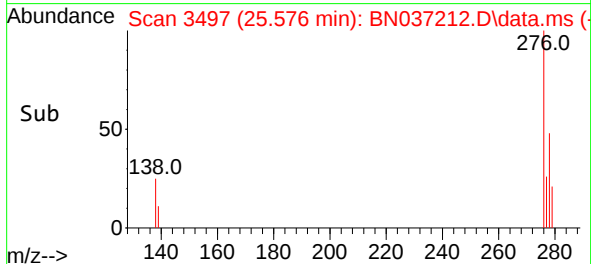
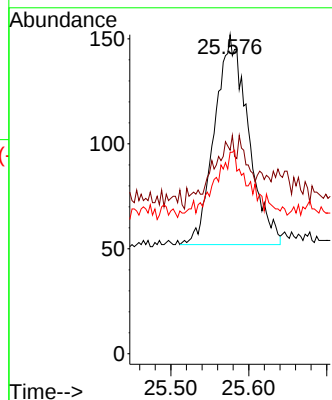
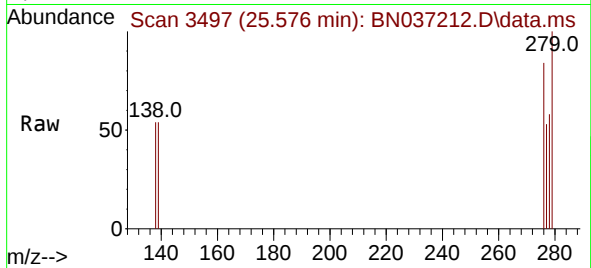




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.576 min Scan# 3496
Delta R.T. 0.003 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

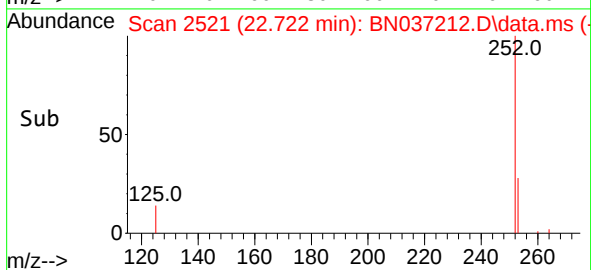
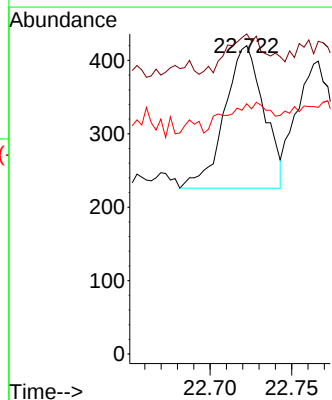
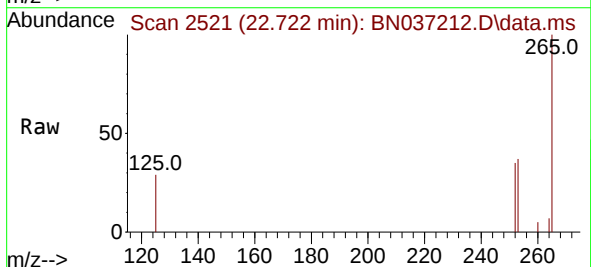
Instrument :
BNA_N
ClientSampleId :
TW1

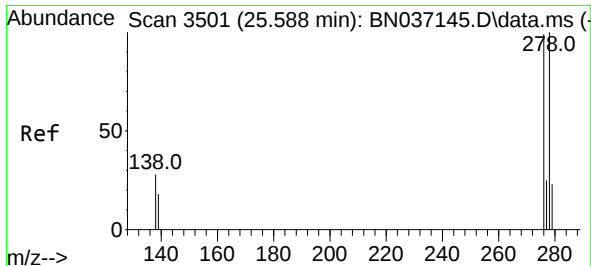
Tgt Ion:276 Resp: 300
Ion Ratio Lower Upper
276 100
138 16.3 21.0 31.6#
277 0.0 19.4 29.2#



#37
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.722 min Scan# 2521
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:252 Resp: 325
Ion Ratio Lower Upper
252 100
253 103.8 22.3 33.5#
125 81.2 13.2 19.8#

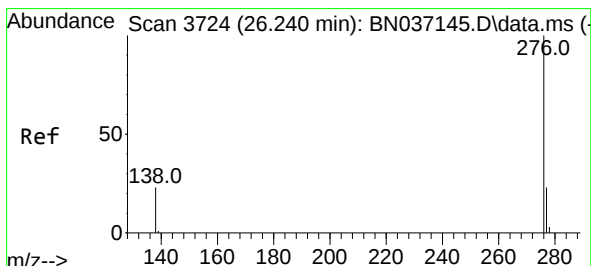
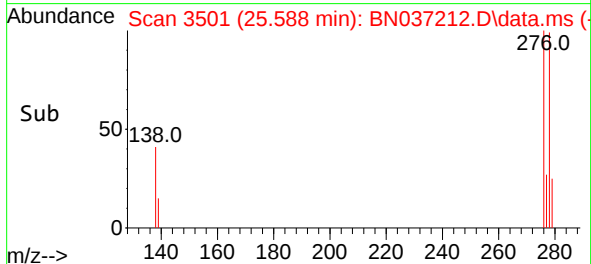
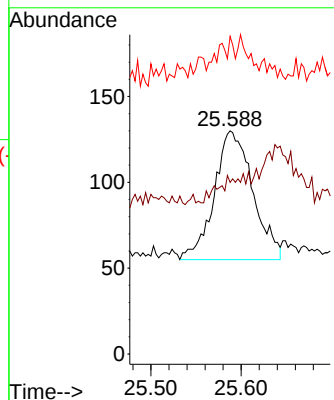
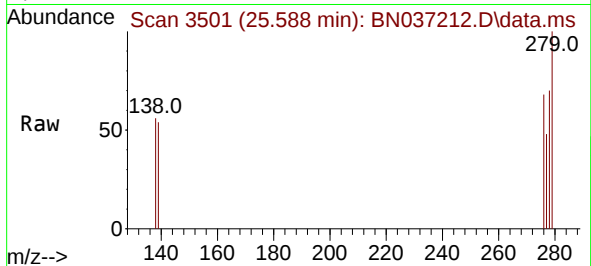




#40
Dibenzo(a,h)anthracene
Concen: 0.020 ng
RT: 25.588 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Instrument :
BNA_N
ClientSampleId :
TW1

Tgt Ion:278 Resp: 222
Ion Ratio Lower Upper
278 100
139 76.9 17.6 26.4#
279 142.3 26.0 39.0#



#41
Benzo(g,h,i)perylene
Concen: 0.021 ng
RT: 26.243 min Scan# 3725
Delta R.T. 0.003 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Tgt Ion:276 Resp: 262
Ion Ratio Lower Upper
276 100
277 63.2 20.9 31.3#
138 72.2 20.8 31.2#

