

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)

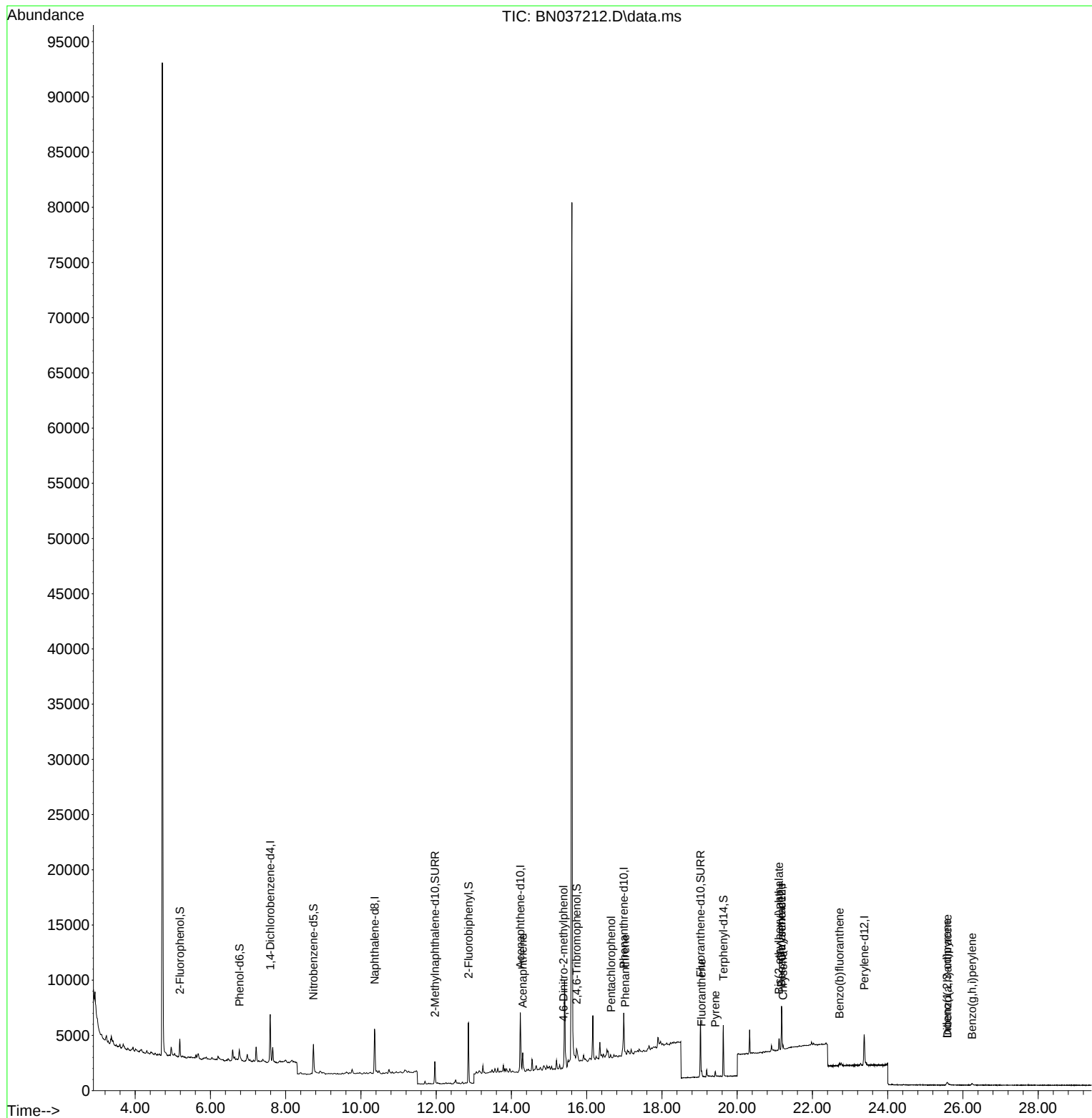
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1990	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	5262	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2819	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4769	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3609	0.400	ng	# 0.00
35) Perylene-d12	23.374	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
20) 4,6-Dinitro-2-methylph...	15.378	198	11	0.282	ng	# 1
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

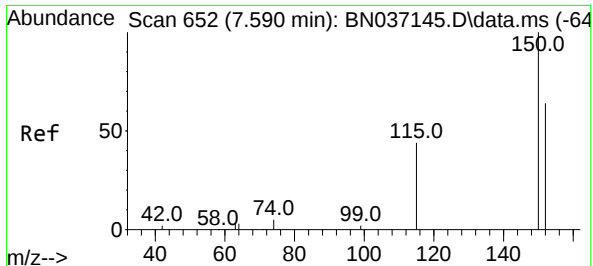
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 04 01:52:03 2025
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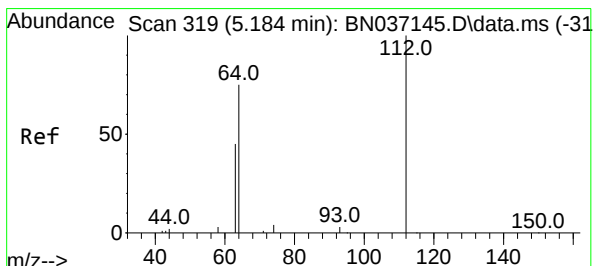
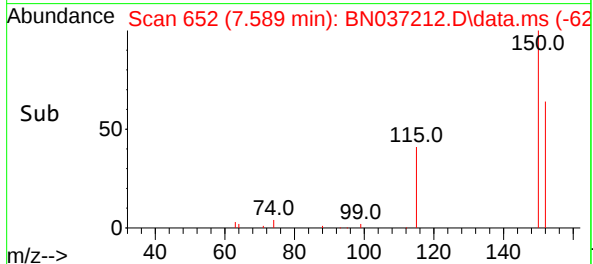
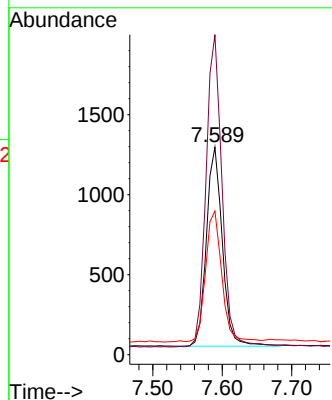
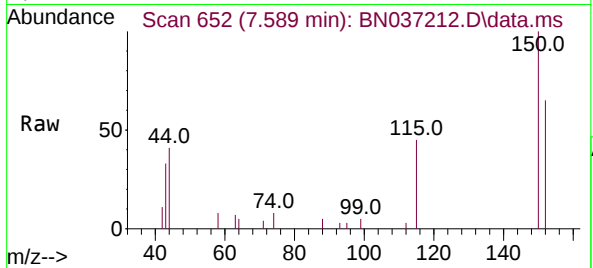




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037212.D
 Acq: 10 Jun 2025 04:01

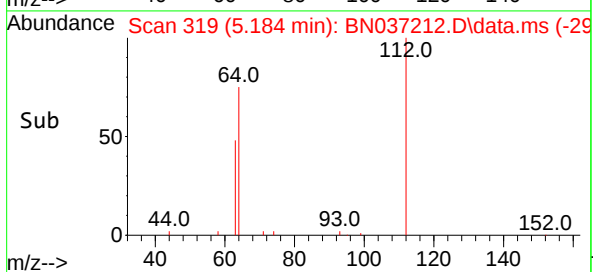
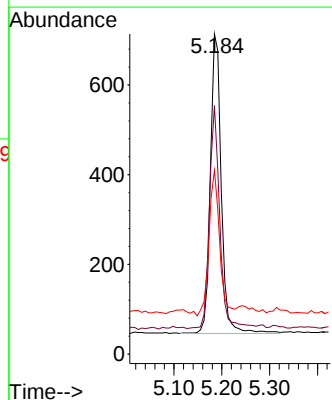
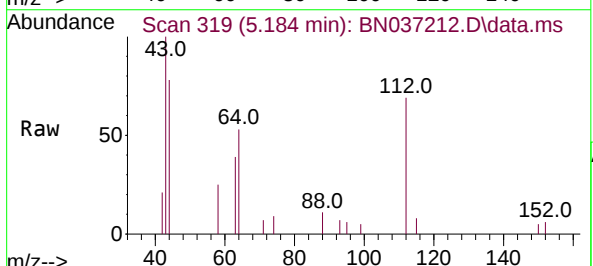
Instrument :
 BNA_N
 ClientSampleId :
 TW1

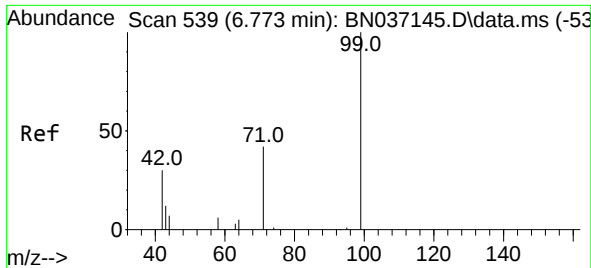
Tgt Ion:152 Resp: 1990
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.2 184.8
 115 69.2 56.6 85.0



#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

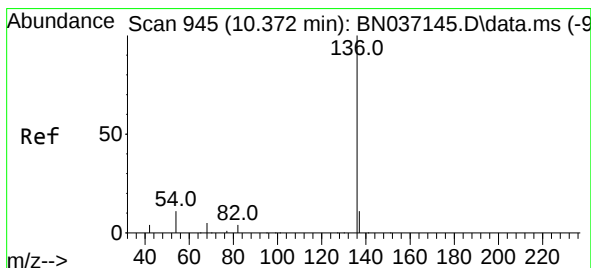
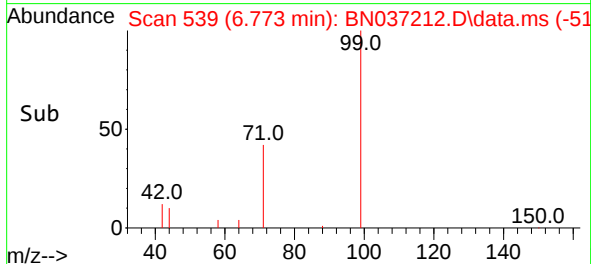
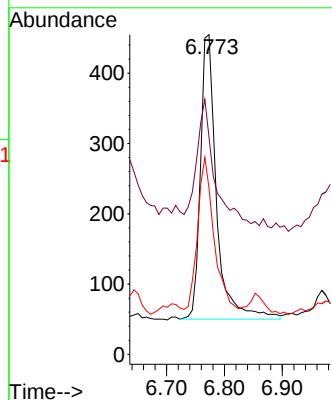
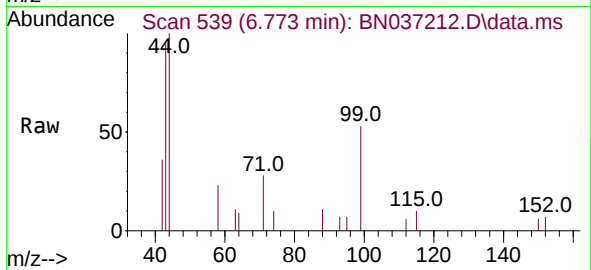




#5
Phenol-d6
Concen: 0.131 ng
RT: 6.773 min Scan# 531
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

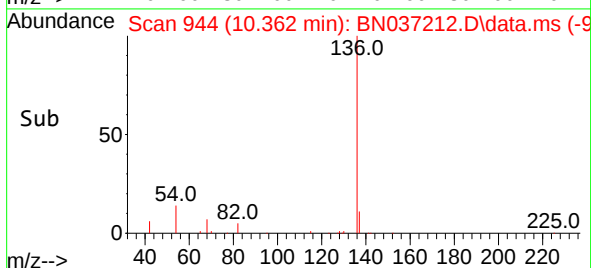
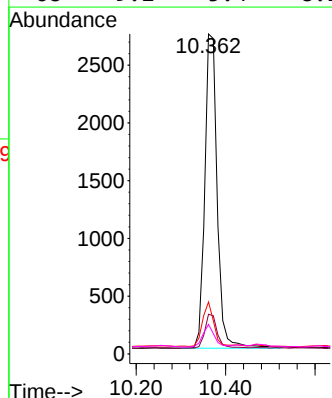
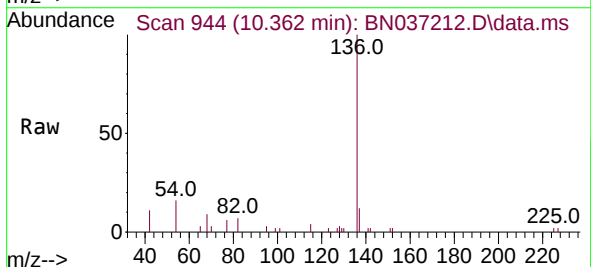
Instrument :
BNA_N
ClientSampleId :
TW1

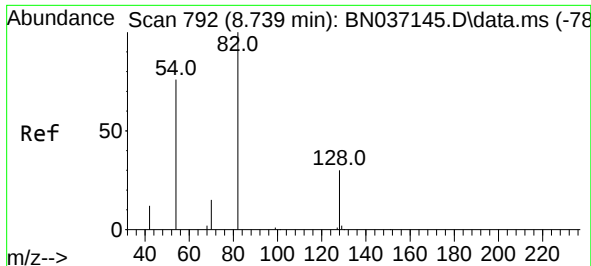
Tgt Ion: 99 Resp: 781
Ion Ratio Lower Upper
99 100
42 49.7 31.3 46.9#
71 58.3 38.2 57.2#



#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#

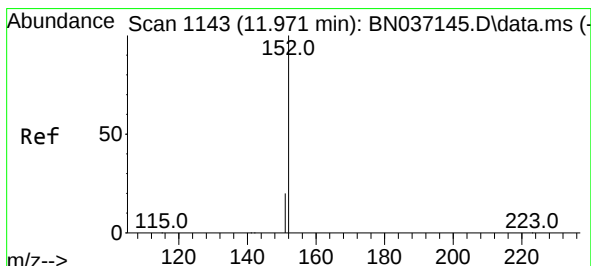
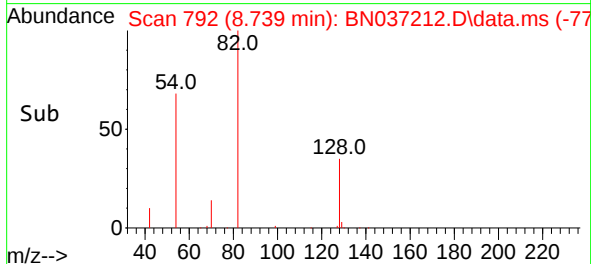
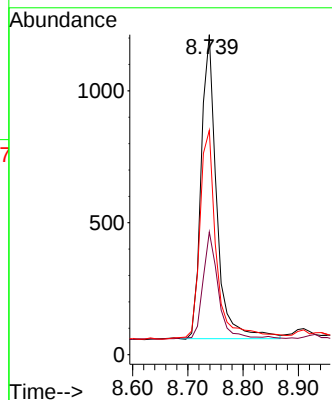
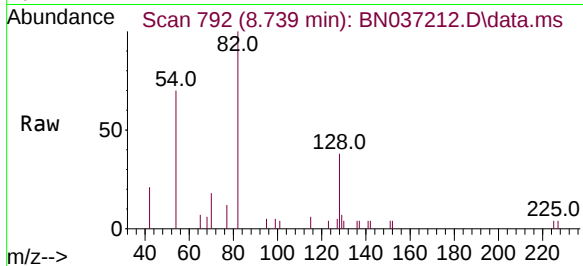




#8
Nitrobenzene-d5
Concen: 0.403 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

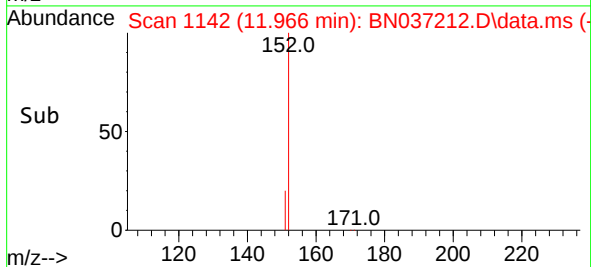
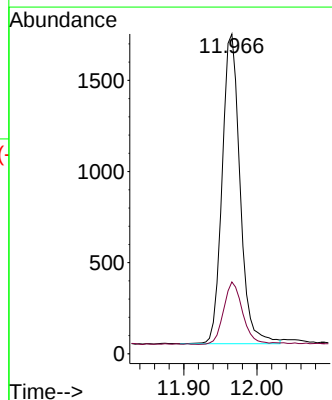
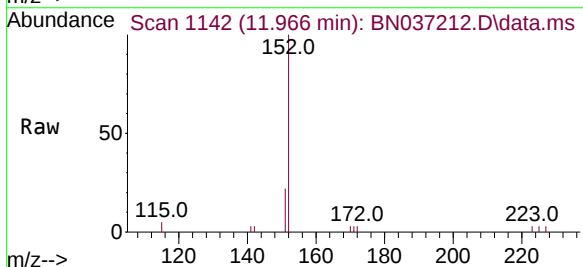
Instrument :
BNA_N
ClientSampleId :
TW1

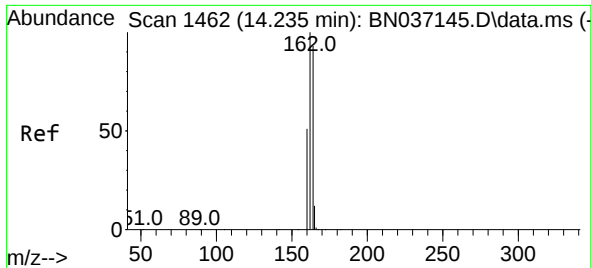
Tgt Ion: 82 Resp: 2240
Ion Ratio Lower Upper
82 100
128 38.3 26.9 40.3
54 70.1 61.4 92.2



#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

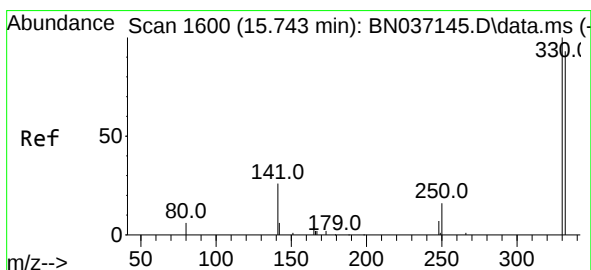
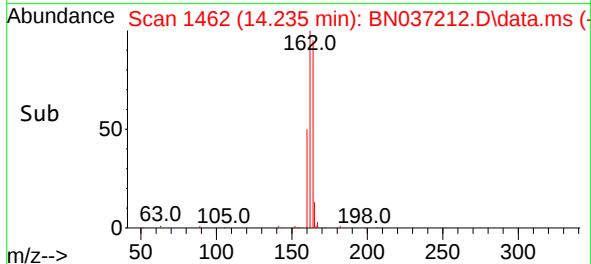
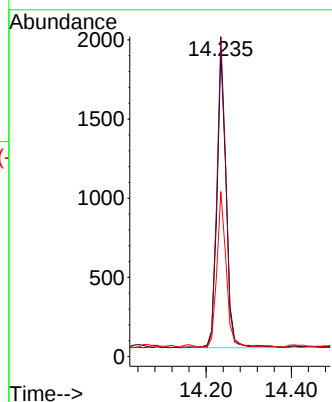
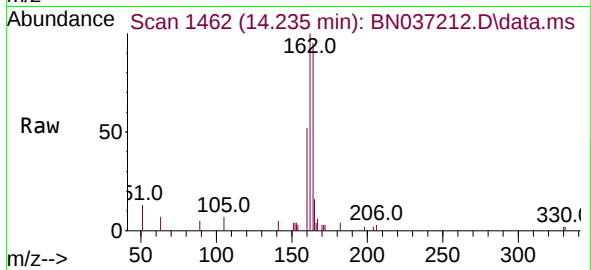




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

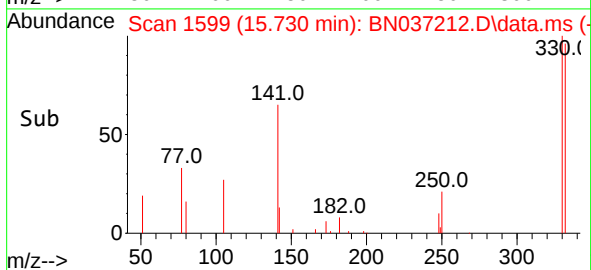
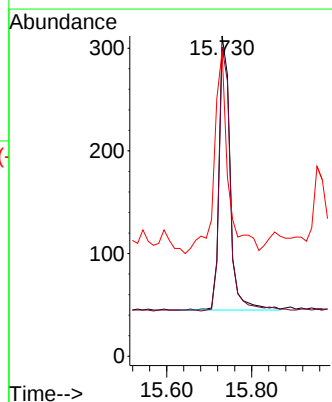
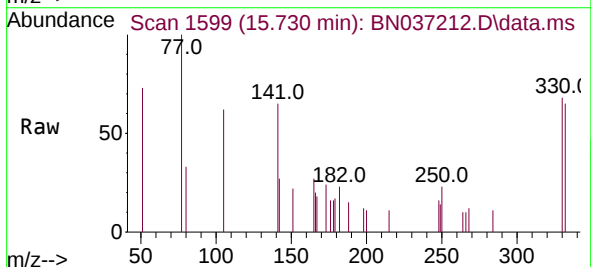
Instrument :
BNA_N
ClientSampleId :
TW1

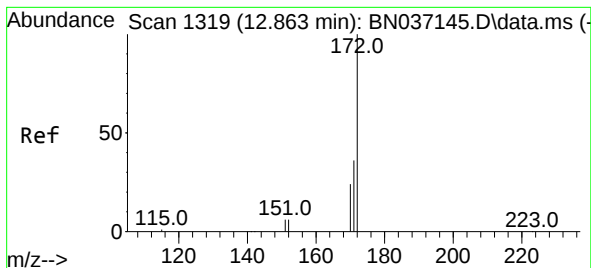
Tgt Ion:164 Resp: 2819
Ion Ratio Lower Upper
164 100
162 104.8 85.5 128.3
160 54.0 44.6 67.0



#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

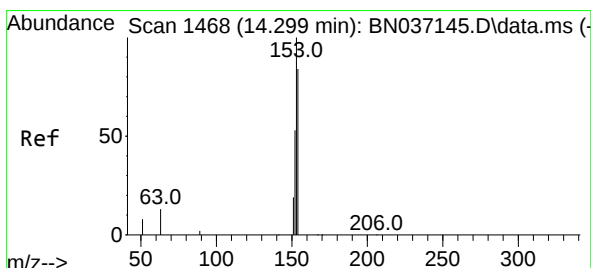
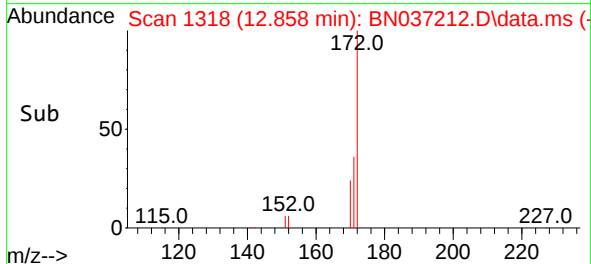
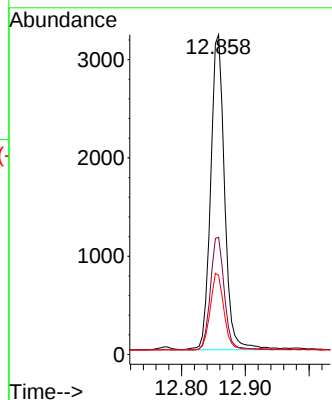
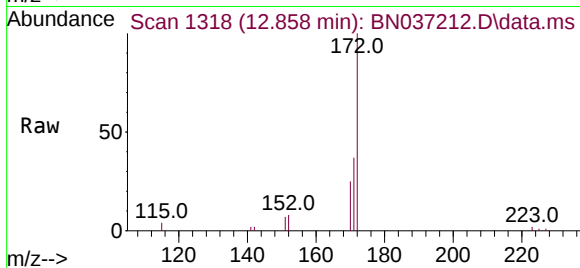
Tgt Ion:172 Resp: 4842

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

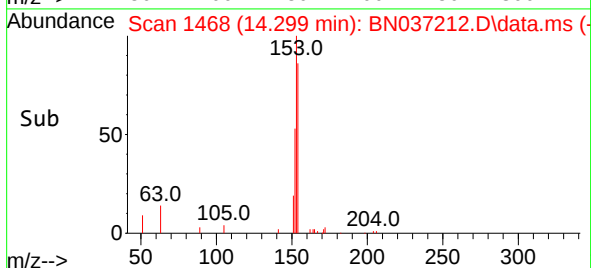
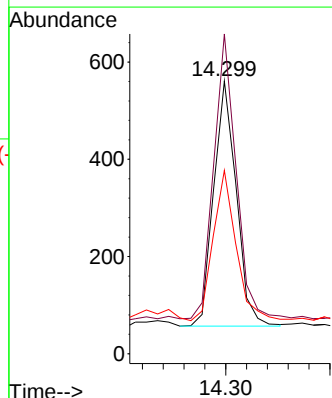
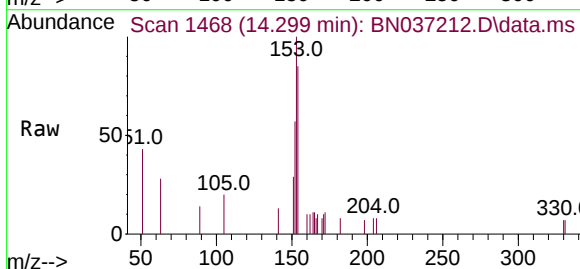
Tgt Ion:154 Resp: 759

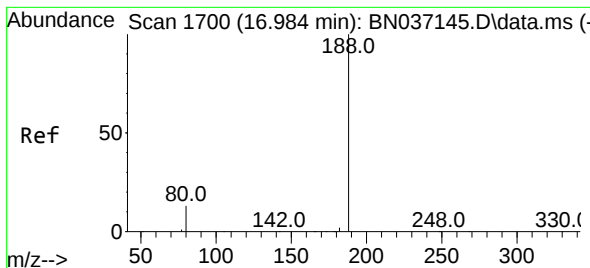
Ion Ratio Lower Upper

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

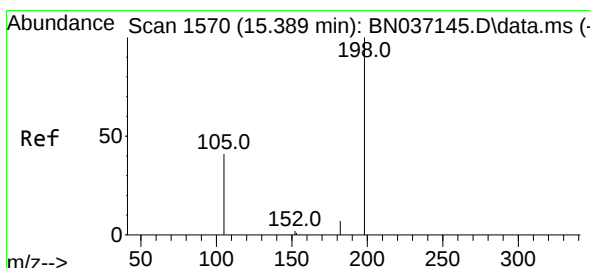
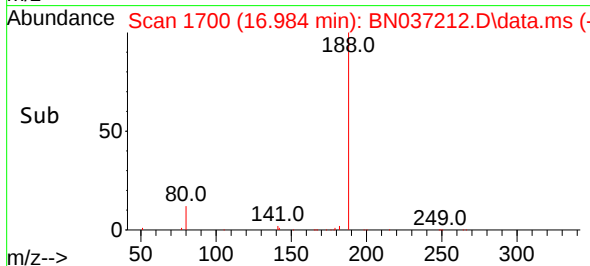
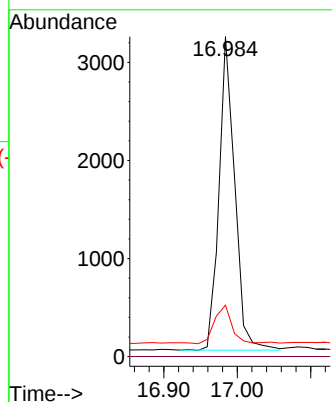
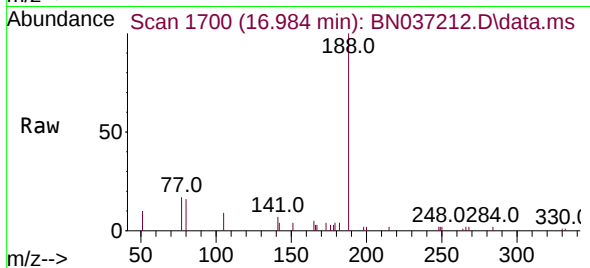
Tgt Ion:188 Resp: 4769

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.282 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

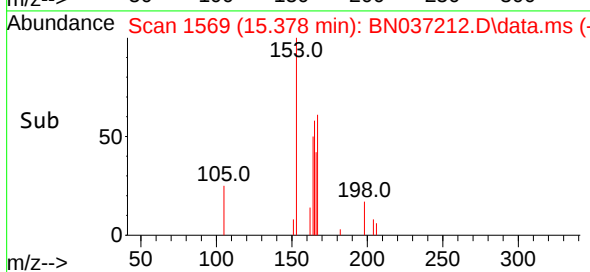
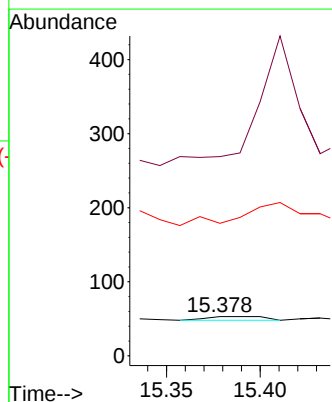
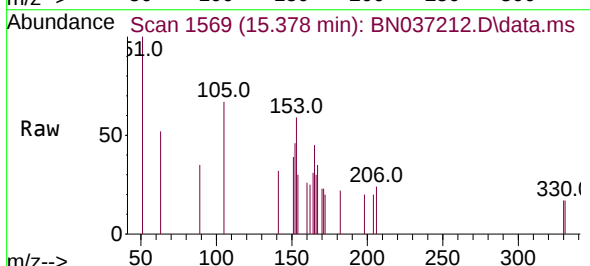
Tgt Ion:198 Resp: 11

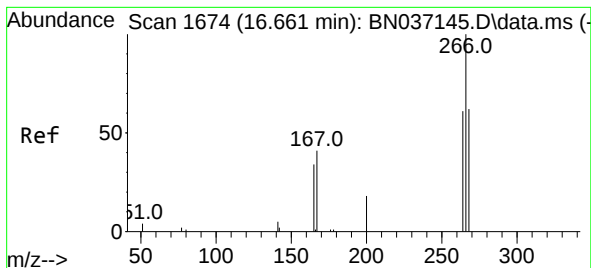
Ion Ratio Lower Upper

198 100

51 507.5 125.2 187.8#

105 337.7 57.1 85.7#





#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

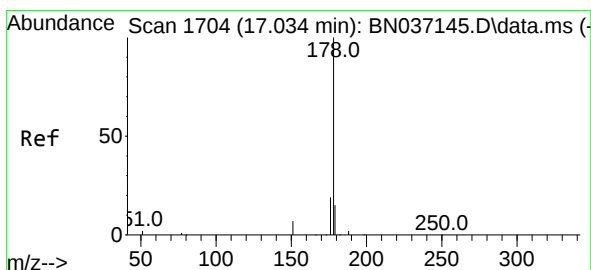
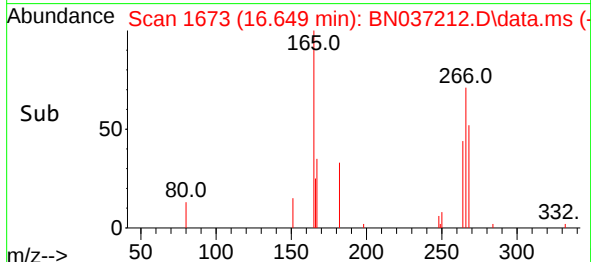
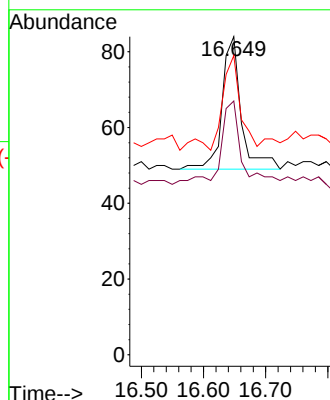
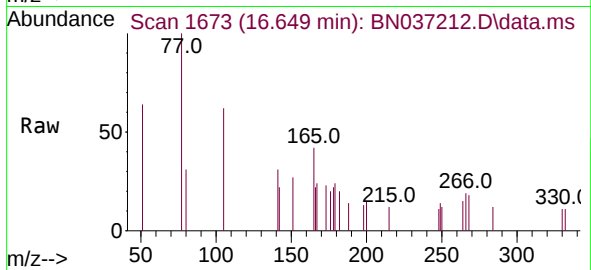
Instrument :

BNA_N

ClientSampleId :

TW1

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

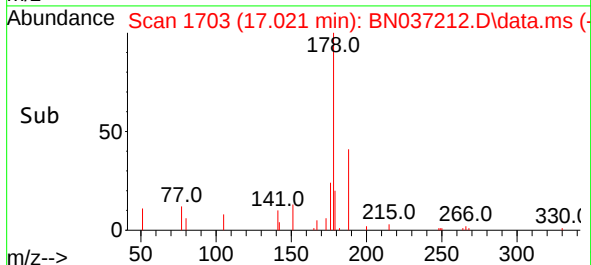
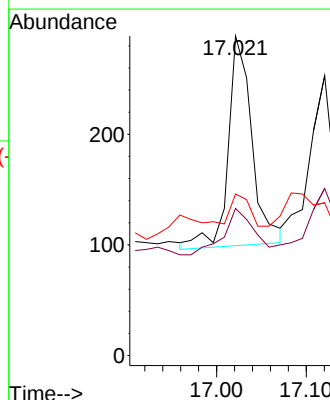
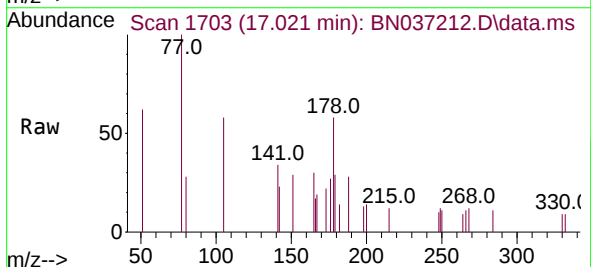
RT: 17.021 min Scan# 1703

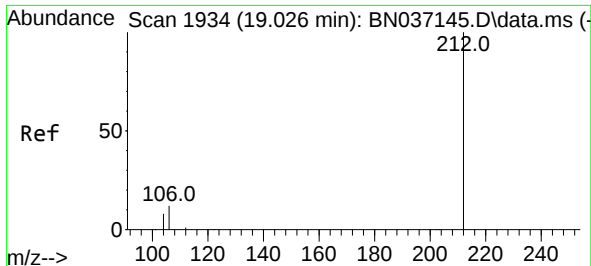
Delta R.T. -0.012 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

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

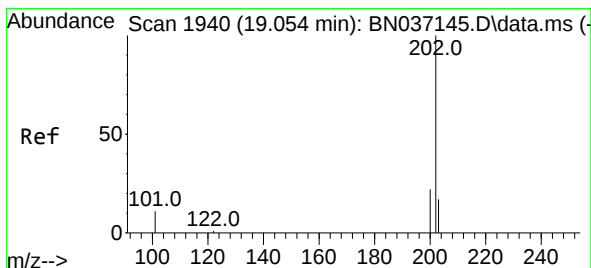
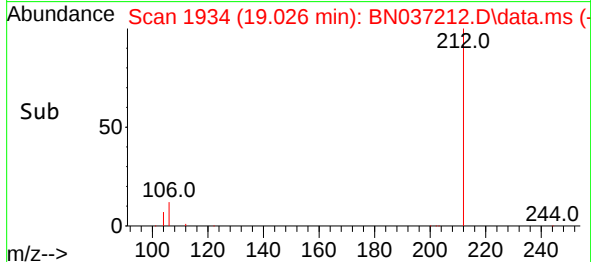
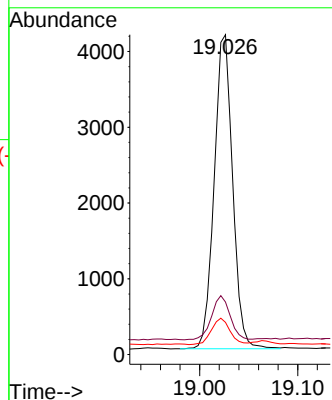
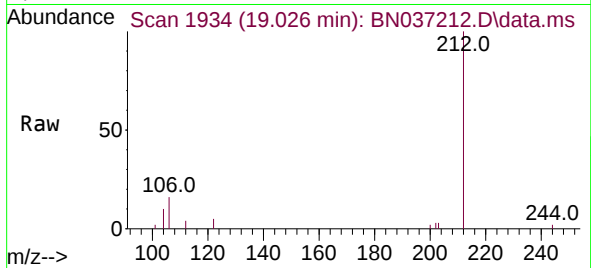




#27
Fluoranthene-d10
Concen: 0.447 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

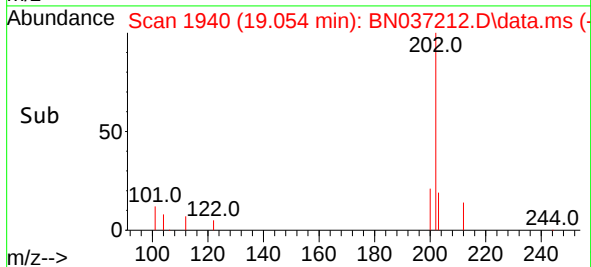
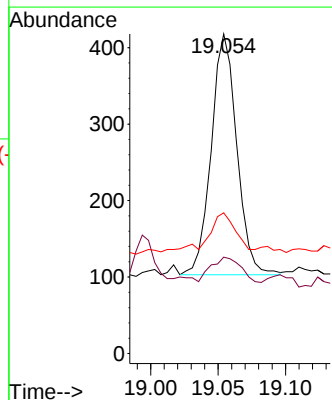
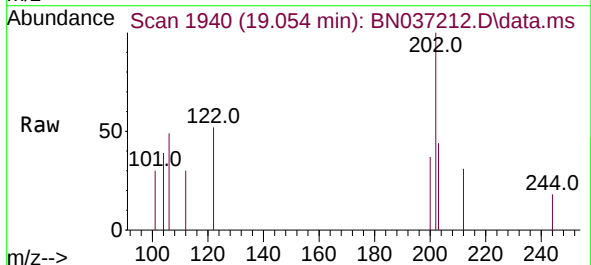
Instrument :
BNA_N
ClientSampleId :
TW1

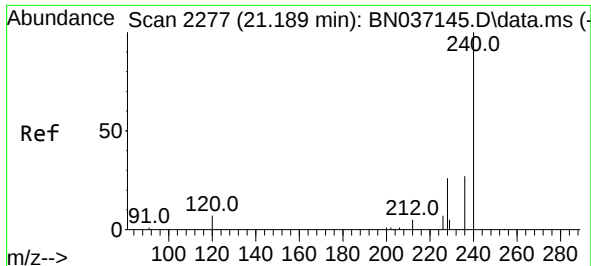
Tgt Ion:212 Resp: 5413
Ion Ratio Lower Upper
212 100
106 14.1 10.6 15.8
104 8.5 6.6 9.8



#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

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

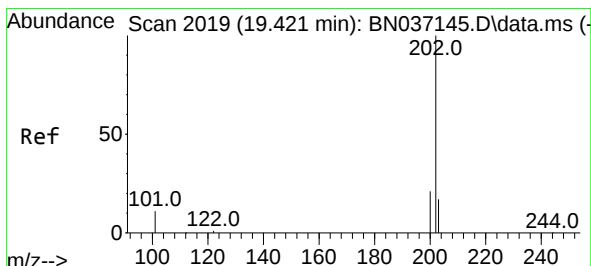
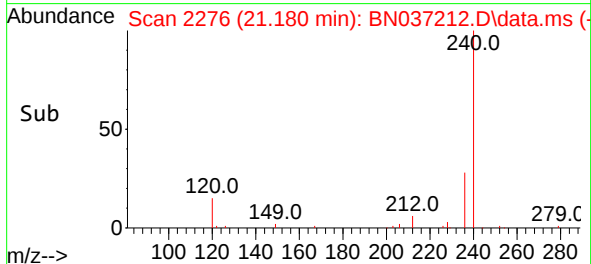
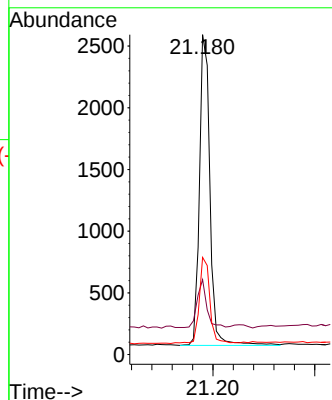
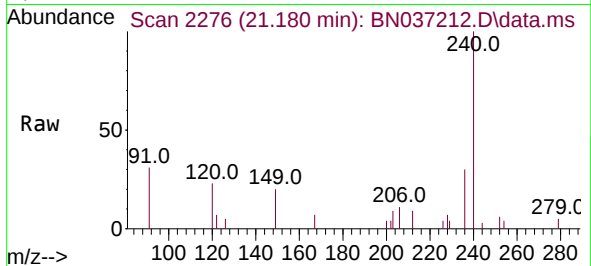




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

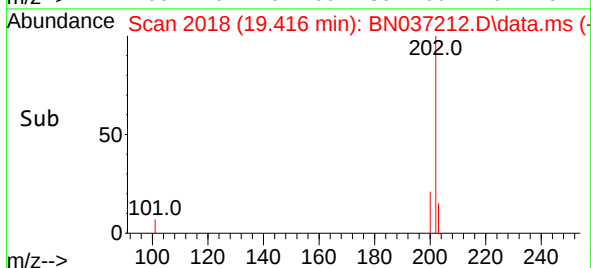
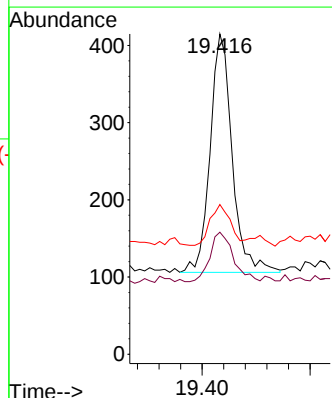
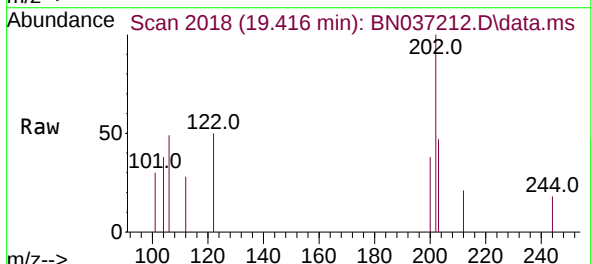
Instrument :
BNA_N
ClientSampleId :
TW1

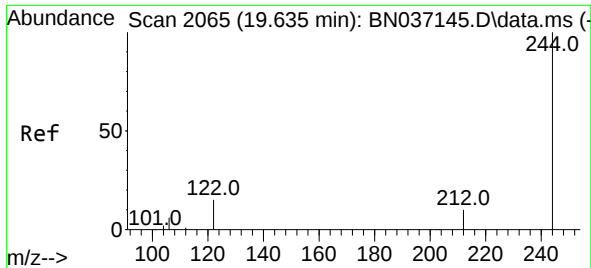
Tgt Ion:240 Resp: 3609
Ion Ratio Lower Upper
240 100
120 23.4 9.0 13.4#
236 30.4 23.0 34.4



#30
Pyrene
Concen: 0.025 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

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

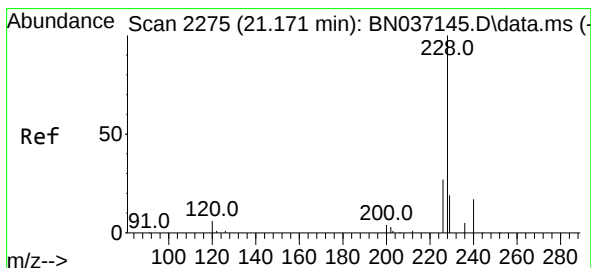
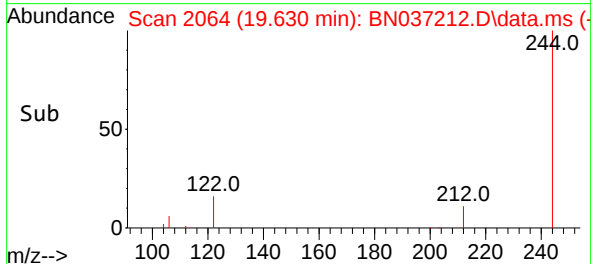
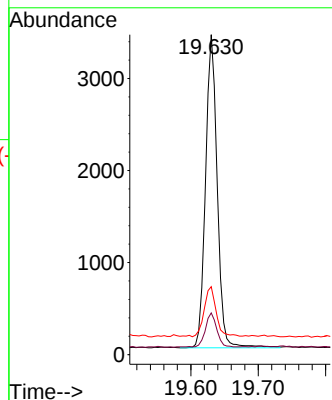
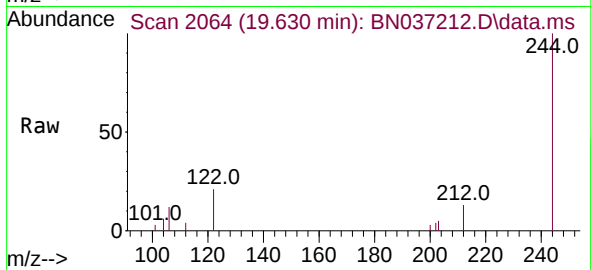




#31
Terphenyl-d14
Concen: 0.481 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

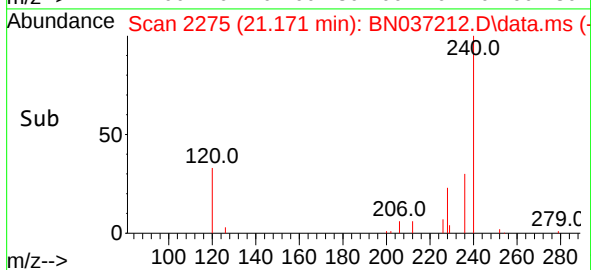
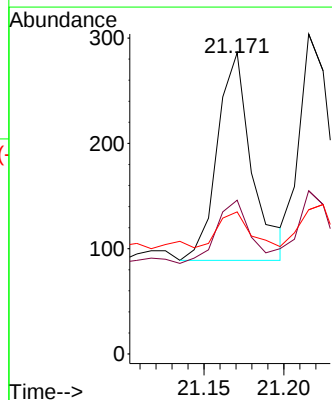
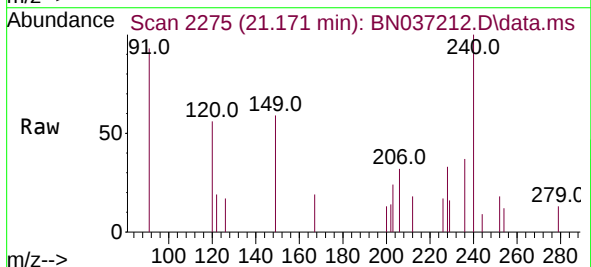
Instrument :
BNA_N
ClientSampleId :
TW1

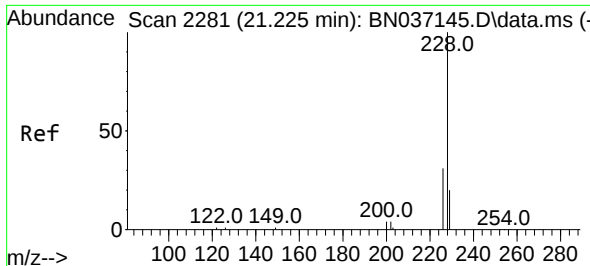
Tgt Ion:244 Resp: 4089
Ion Ratio Lower Upper
244 100
212 13.1 10.0 15.0
122 21.3 13.2 19.8#



#32
Benzo(a)anthracene
Concen: 0.023 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 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 22.6 33.8#
229 47.2 16.2 24.2#

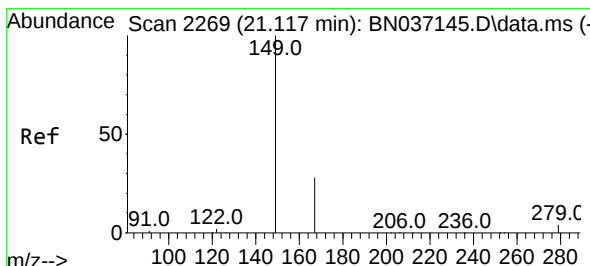
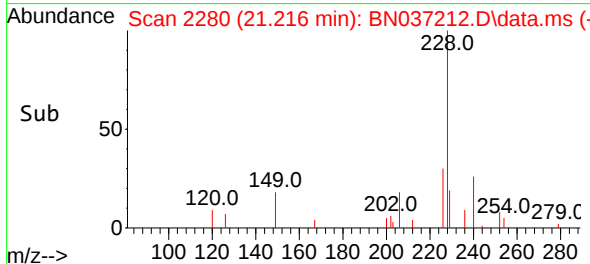
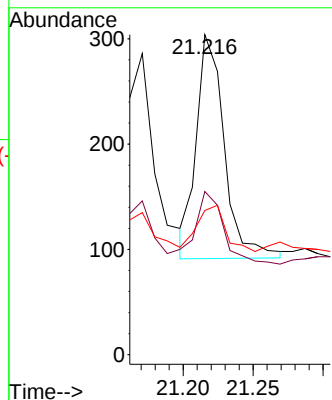
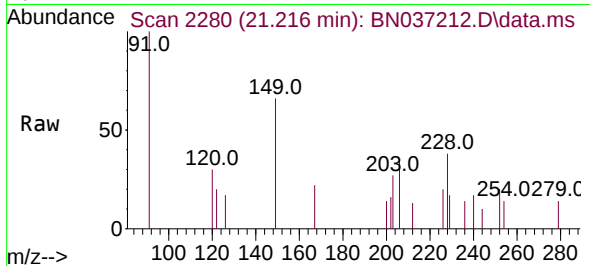




#33
Chrysene
Concen: 0.020 ng
RT: 21.216 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

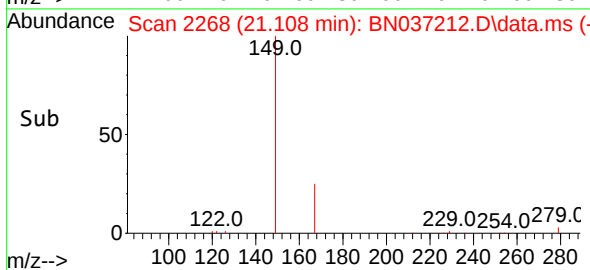
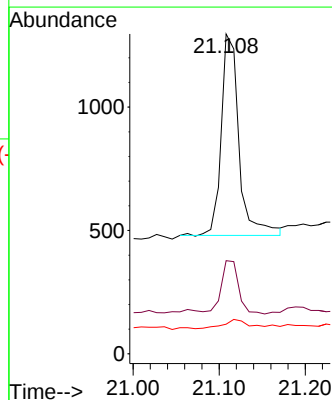
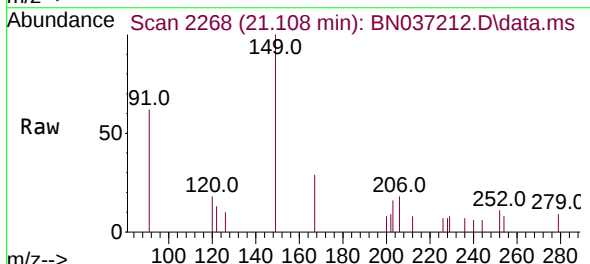
Instrument :
BNA_N
ClientSampleId :
TW1

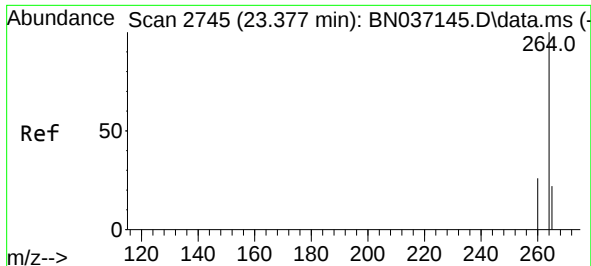
Tgt Ion:228 Resp: 296
Ion Ratio Lower Upper
228 100
226 51.0 25.2 37.8#
229 45.1 16.8 25.2#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.143 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

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#



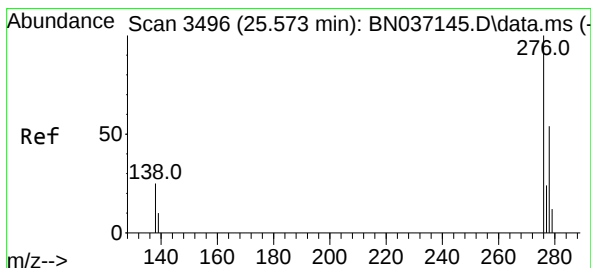
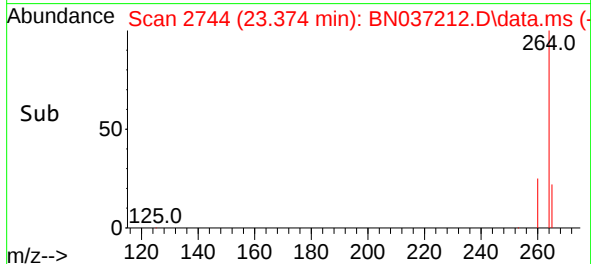
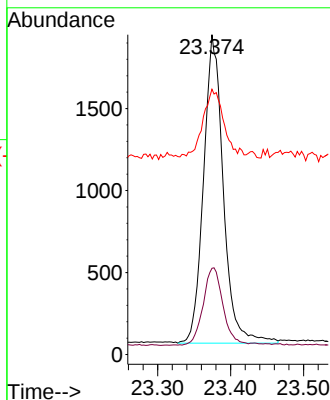
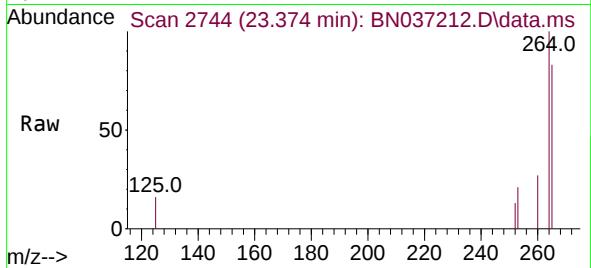


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

Instrument :
BNA_N
ClientSampleId :
TW1

Tgt Ion:264 Resp: 3542

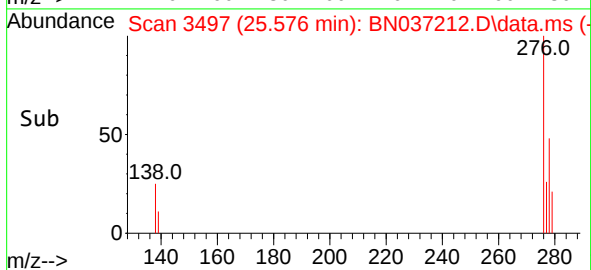
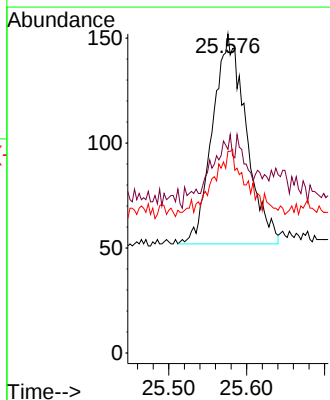
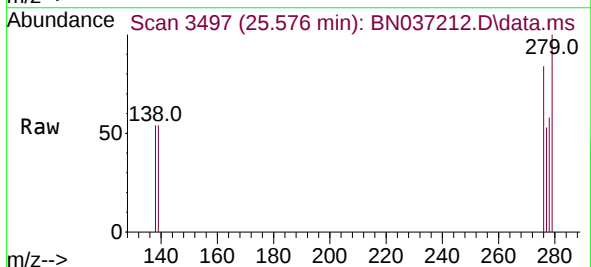
Ion	Ratio	Lower	Upper
264	100		
260	27.0	22.1	33.1
265	82.9	55.8	83.8

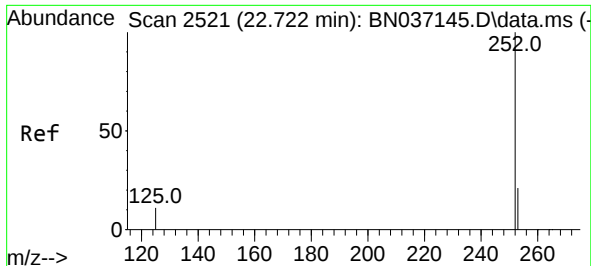


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037212.D
Acq: 10 Jun 2025 04:01

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# 21

Delta R.T. -0.000 min

Lab File: BN037212.D

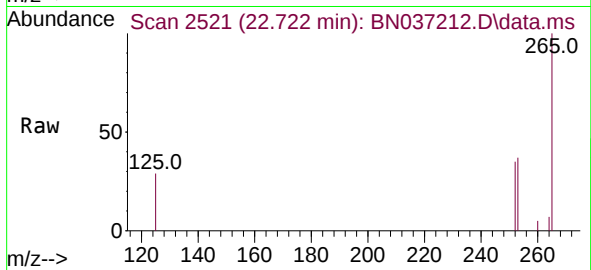
Acq: 10 Jun 2025 04:01

Instrument :

BNA_N

ClientSampleId :

TW1



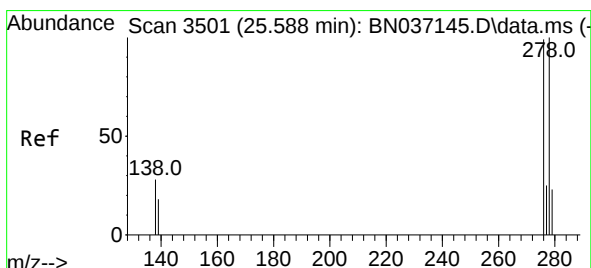
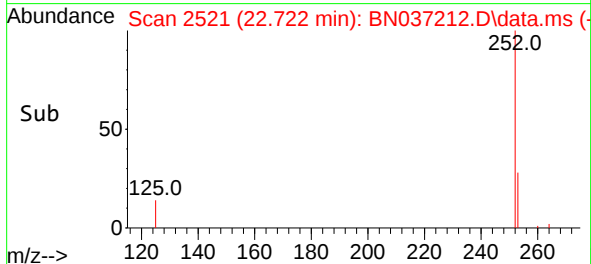
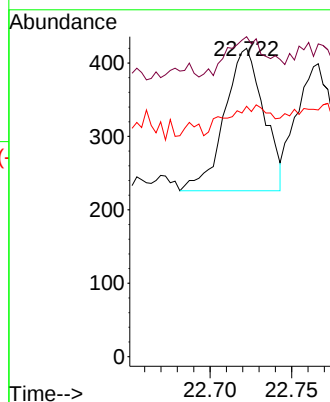
Tgt Ion:252 Resp: 325

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# 3501

Delta R.T. -0.000 min

Lab File: BN037212.D

Acq: 10 Jun 2025 04:01

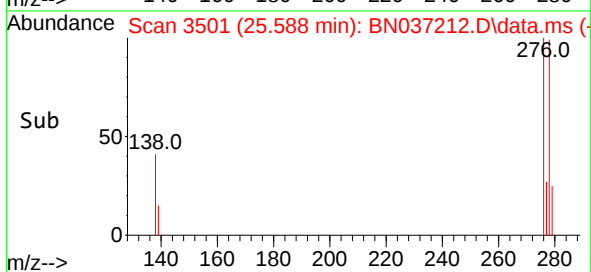
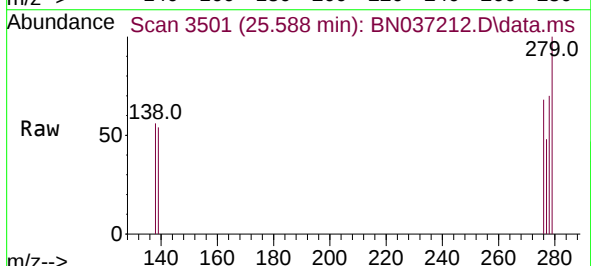
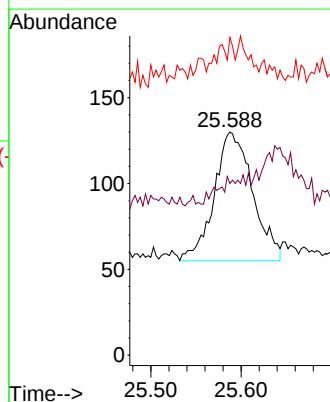
Tgt Ion:278 Resp: 222

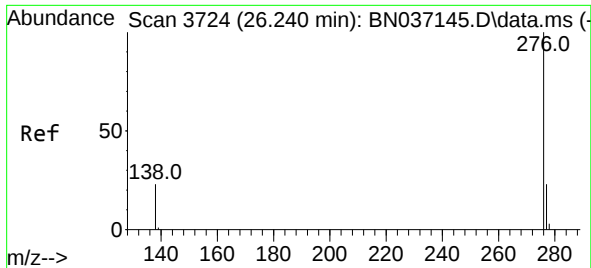
Ion Ratio Lower Upper

278 100

139 76.9 17.6 26.4#

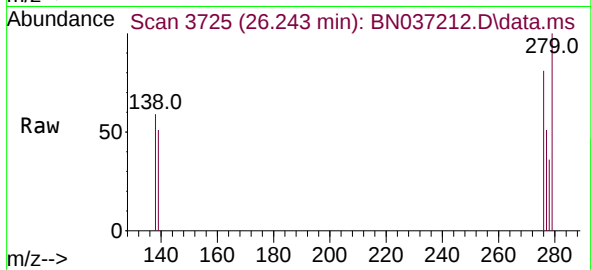
279 142.3 26.0 39.0#





#41
Benzo(g,h,i)perylene
Concen: 0.021 ng
RT: 26.243 min Scan# 31
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: 262
Ion Ratio Lower Upper
276 100
277 63.2 20.9 31.3#
138 72.2 20.8 31.2#

