

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037157.D
 Acq On : 03 Jun 2025 21:25
 Operator : RC/JU
 Sample : PB168238BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168238BL

Quant Time: Jun 04 02:17:42 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)

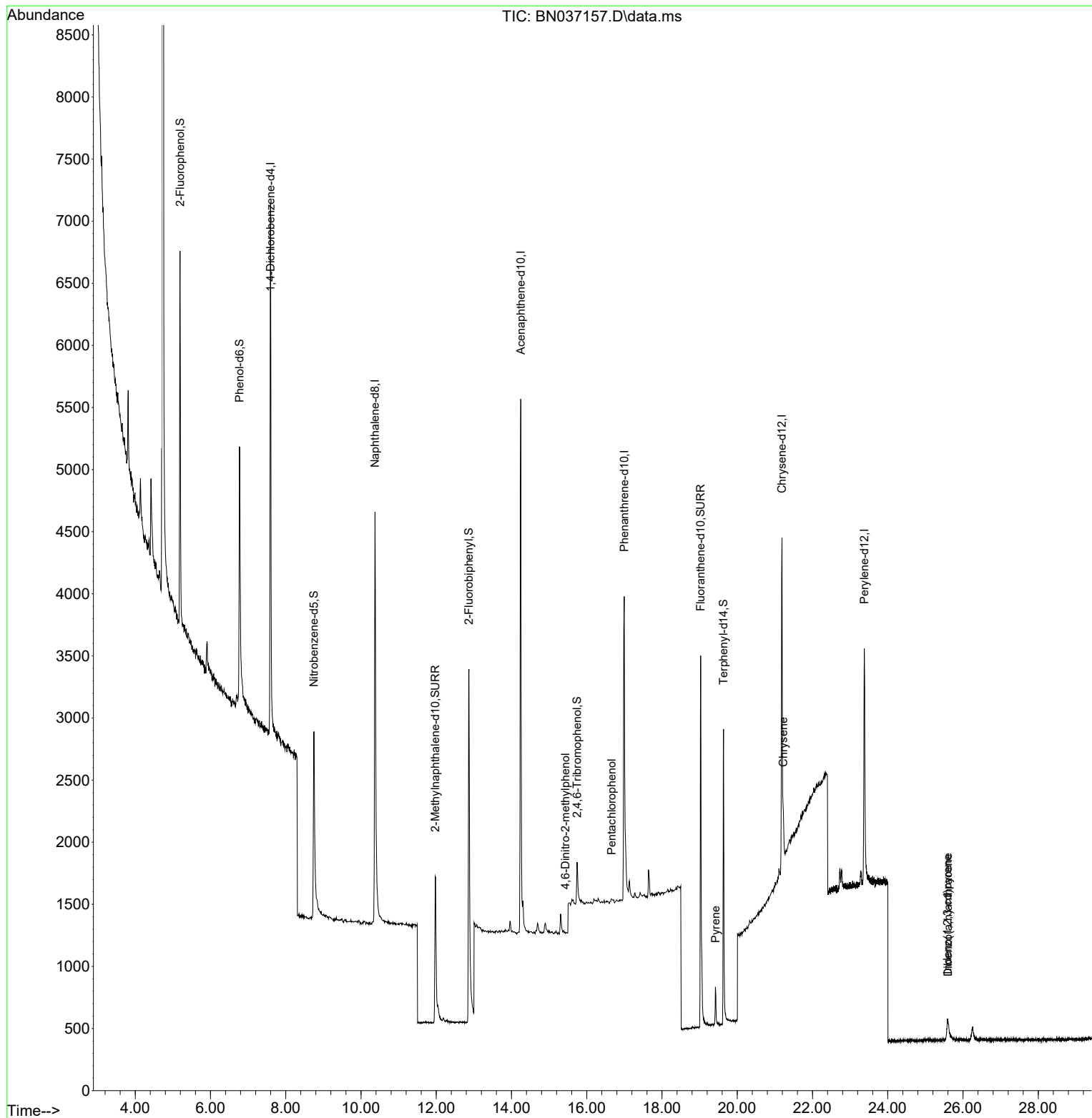
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.596	152	2276	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5491	0.400	ng	# 0.00
13) Acenaphthene-d10	14.245	164	2811	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	4789	0.400	ng	0.01
29) Chrysene-d12	21.188	240	3060	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2831	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	2101	0.373	ng	0.00
5) Phenol-d6	6.773	99	2248	0.330	ng	0.00
8) Nitrobenzene-d5	8.749	82	1856	0.320	ng	0.01
11) 2-Methylnaphthalene-d10	11.975	152	2544	0.333	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	284	0.251	ng	0.00
15) 2-Fluorobiphenyl	12.868	172	4308	0.359	ng	0.00
27) Fluoranthene-d10	19.026	212	3981	0.327	ng	0.00
31) Terphenyl-d14	19.635	244	2637	0.366	ng	0.00
Target Compounds						
						Qvalue
20) 4,6-Dinitro-2-methylph...	15.432	198	4	0.277	ng	# 22
24) Pentachlorophenol	16.661	266	34	0.232	ng	# 65
30) Pyrene	19.421	202	322	0.022	ng	99
33) Chrysene	21.224	228	278	0.023	ng	# 63
36) Indeno(1,2,3-cd)pyrene	25.587	276	235	0.021	ng	# 82
40) Dibenzo(a,h)anthracene	25.602	278	189	0.022	ng	# 1

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

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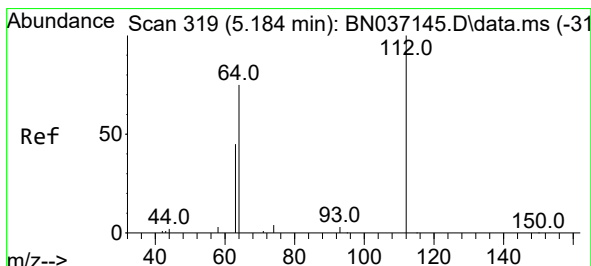
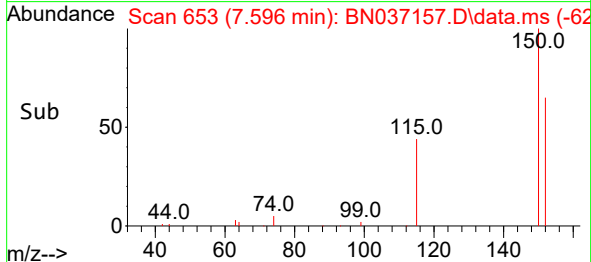
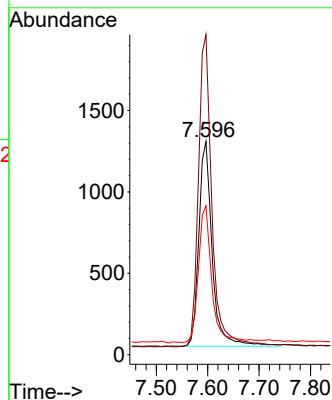
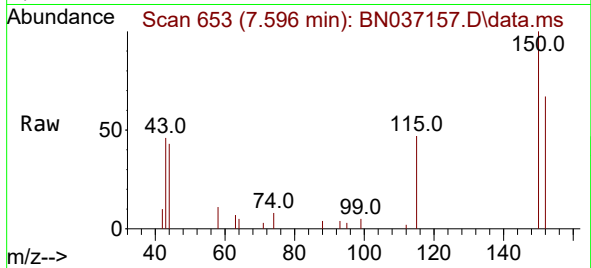




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.596 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

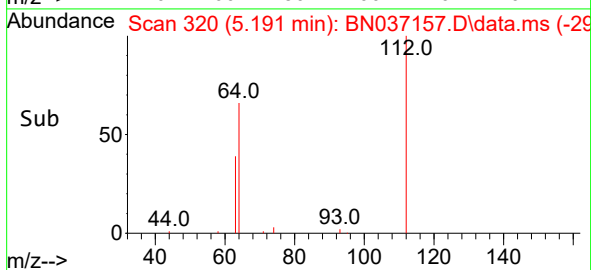
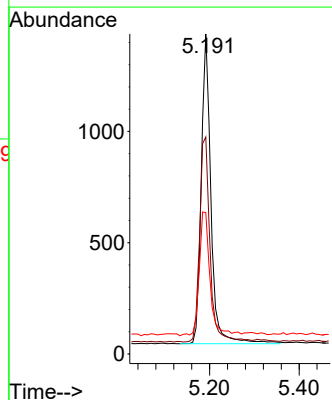
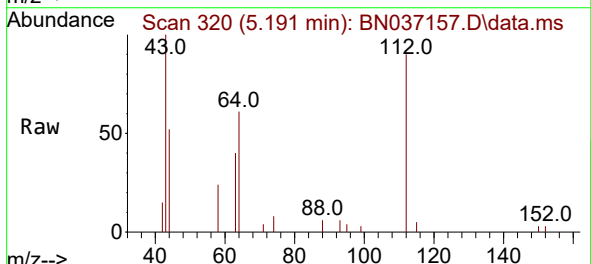
Instrument :
 BNA_N
 ClientSampleId :
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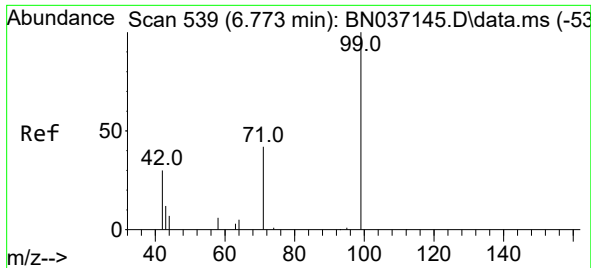
Tgt Ion:152 Resp: 2276
 Ion Ratio Lower Upper
 152 100
 150 150.2 123.2 184.8
 115 69.9 56.6 85.0



#4
 2-Fluorophenol
 Concen: 0.373 ng
 RT: 5.191 min Scan# 320
 Delta R.T. 0.007 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

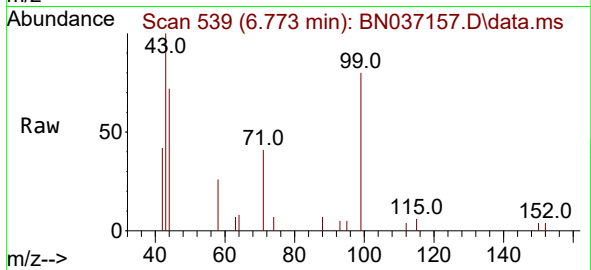
Tgt Ion:112 Resp: 2101
 Ion Ratio Lower Upper
 112 100
 64 70.9 56.3 84.5
 63 44.7 36.2 54.4



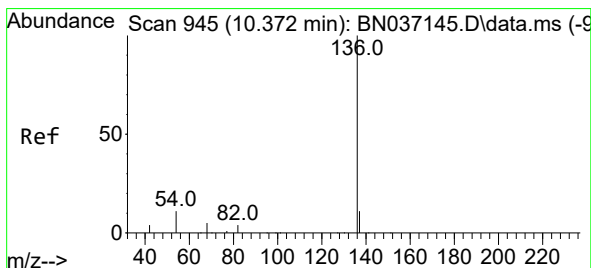
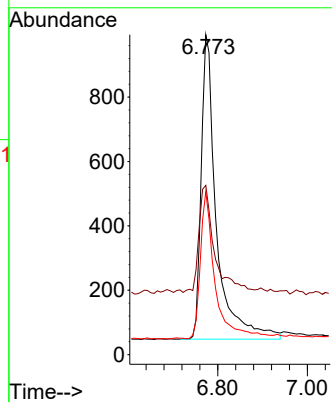
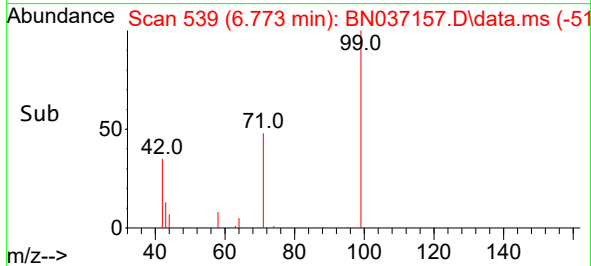


#5
Phenol-d6
Concen: 0.330 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168238BL

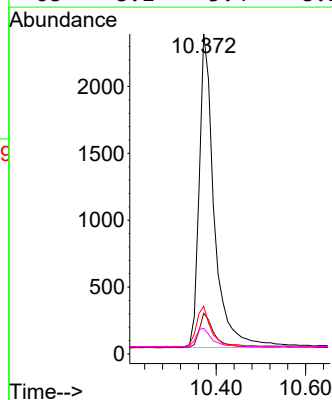
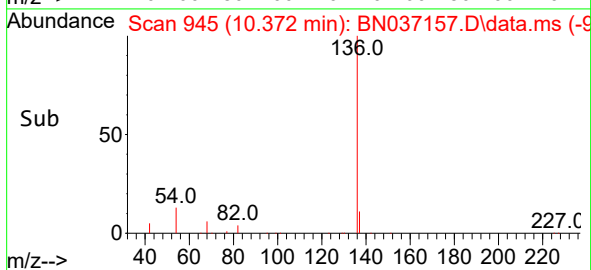
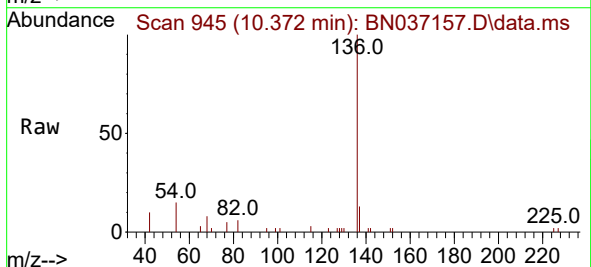


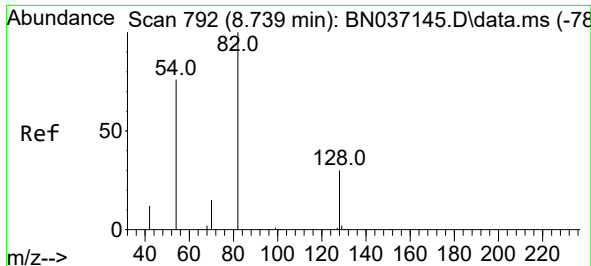
Tgt Ion:	99	Resp:	2248
Ion	Ratio	Lower	Upper
99	100		
42	35.7	31.3	46.9
71	46.6	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion:	136	Resp:	5491
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	14.9	9.7	14.5
68	8.1	5.4	8.2

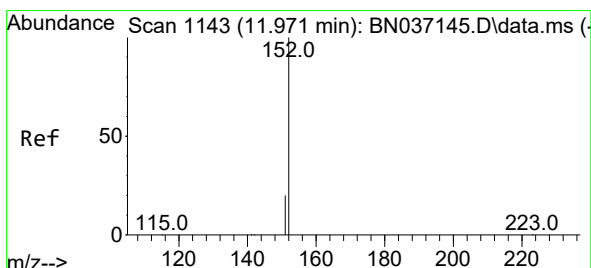
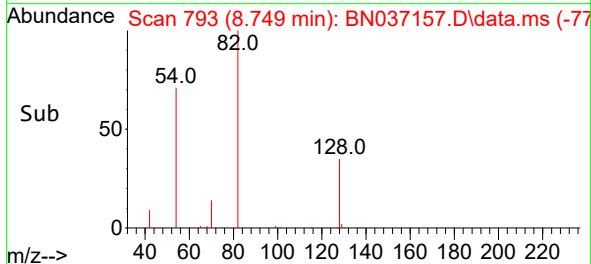
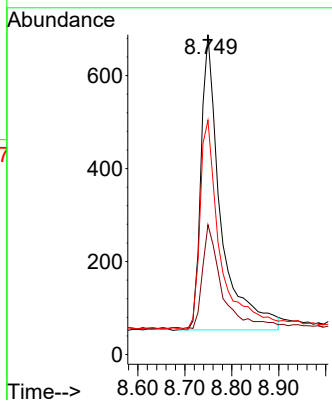
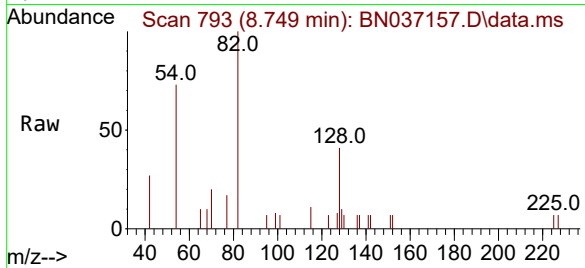




#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 8.749 min Scan# 793
Delta R.T. 0.010 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

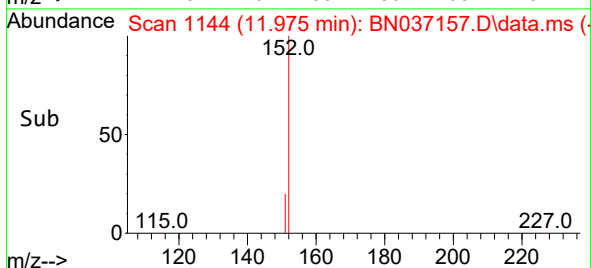
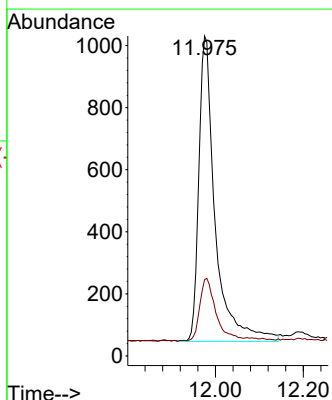
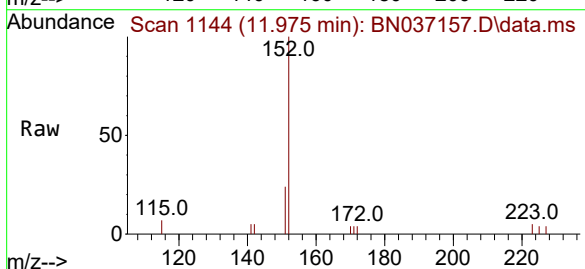
Instrument :
BNA_N
ClientSampleId :
PB168238BL

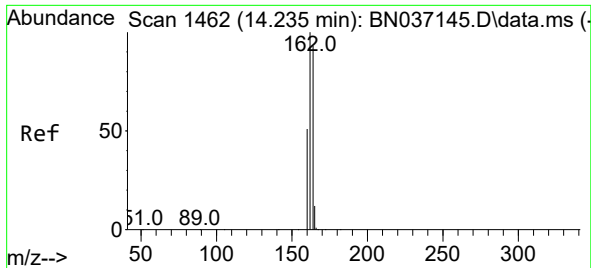
Tgt Ion: 82 Resp: 1856
Ion Ratio Lower Upper
82 100
128 40.6 26.9 40.3#
54 73.3 61.4 92.2



#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 11.975 min Scan# 1144
Delta R.T. 0.005 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion: 152 Resp: 2544
Ion Ratio Lower Upper
152 100
151 20.2 17.1 25.7

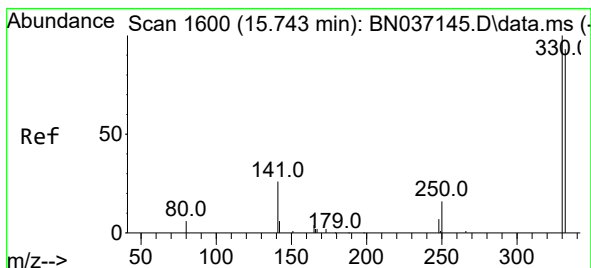
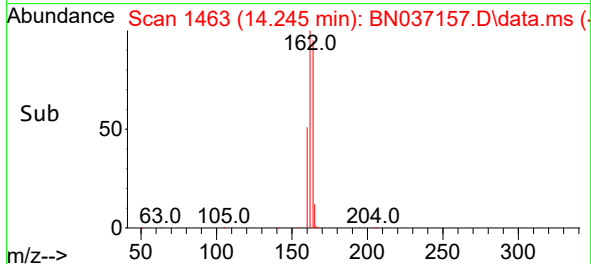
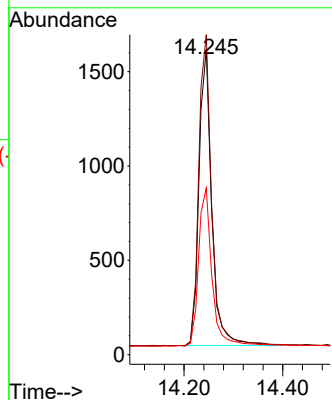
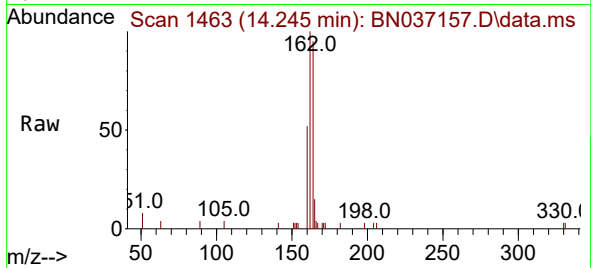




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.245 min Scan# 14
 Delta R.T. 0.010 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

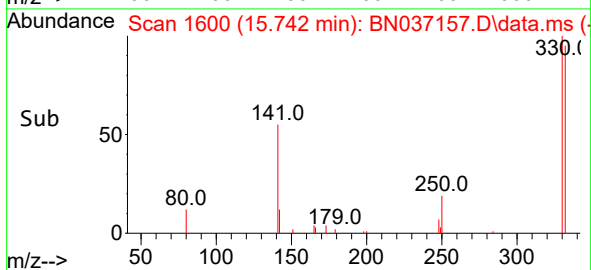
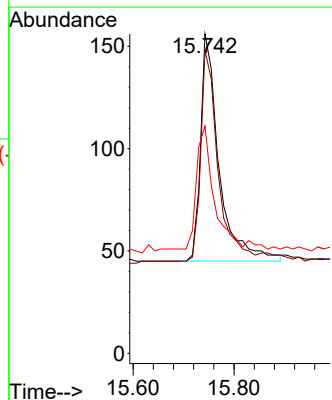
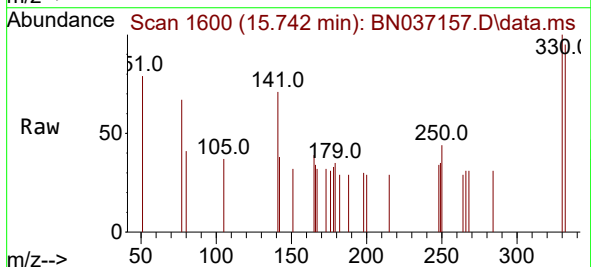
Instrument :
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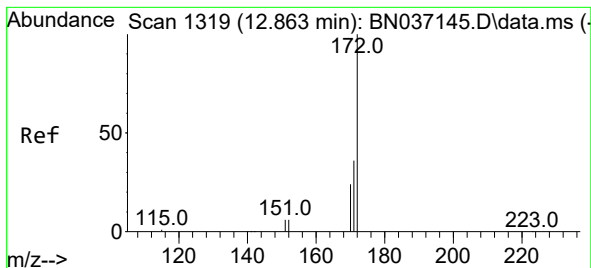
Tgt Ion:164 Resp: 2811
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.5 128.3
 160 54.7 44.6 67.0



#14
 2,4,6-Tribromophenol
 Concen: 0.251 ng
 RT: 15.742 min Scan# 1600
 Delta R.T. -0.000 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

Tgt Ion:330 Resp: 284
 Ion Ratio Lower Upper
 330 100
 332 90.5 77.1 115.7
 141 51.1 46.4 69.6

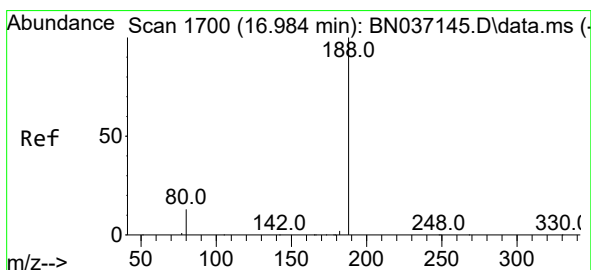
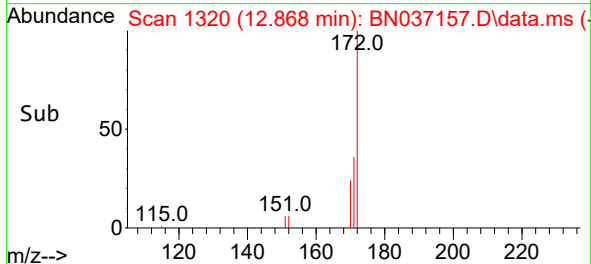
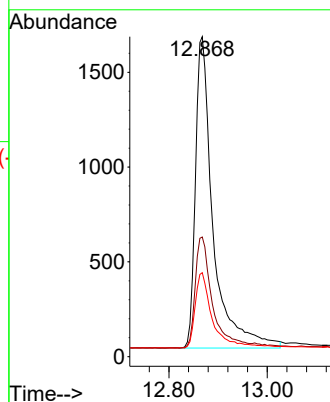
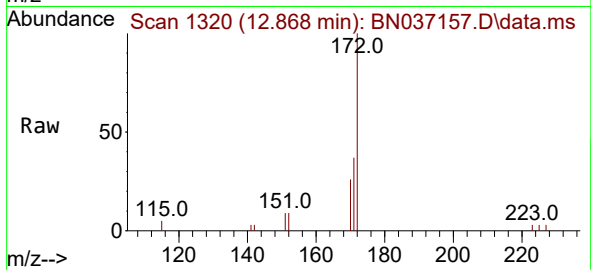




#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.868 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

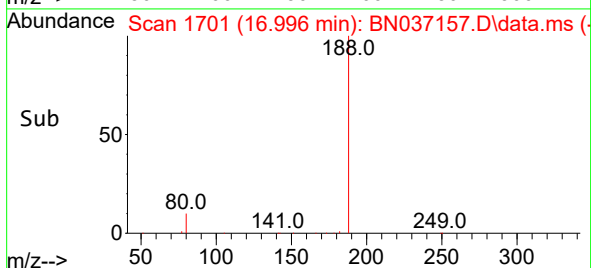
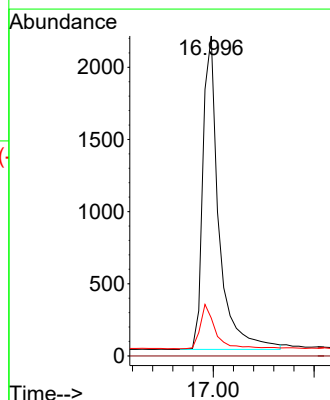
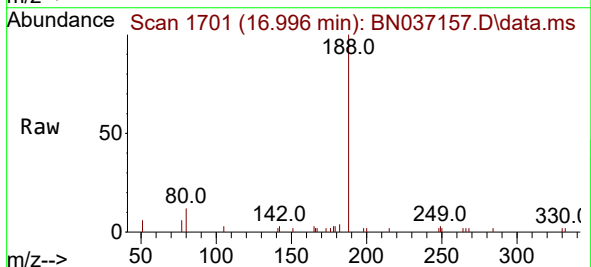
Instrument :
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ClientSampleId :
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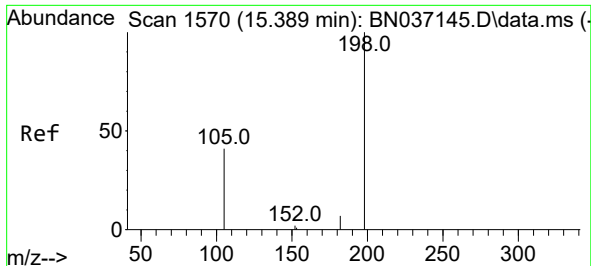
Tgt Ion:172 Resp: 4308
Ion Ratio Lower Upper
172 100
171 37.4 29.6 44.4
170 26.2 20.3 30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.012 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion:188 Resp: 4789
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 11.3 16.9

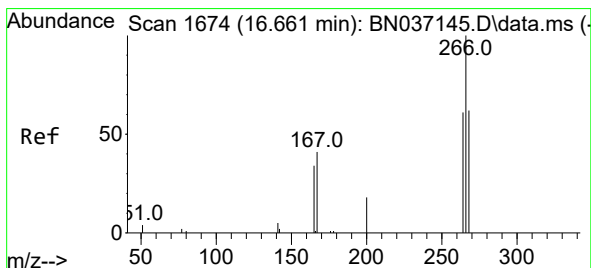
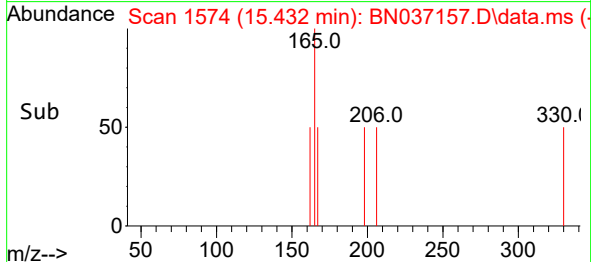
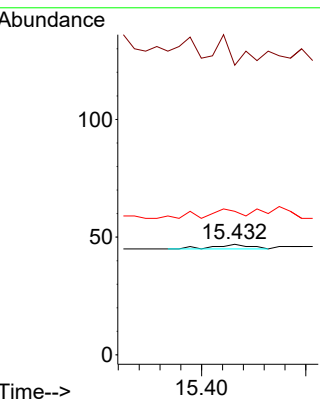
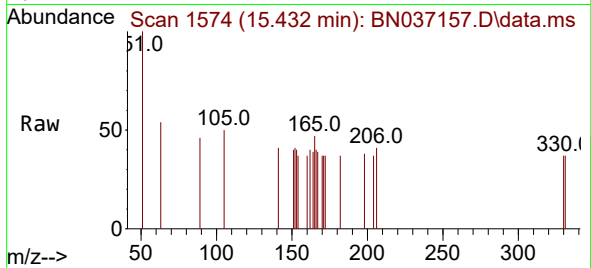




#20
4,6-Dinitro-2-methylphenol
Concen: 0.277 ng
RT: 15.432 min Scan# 1574
Delta R.T. 0.043 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

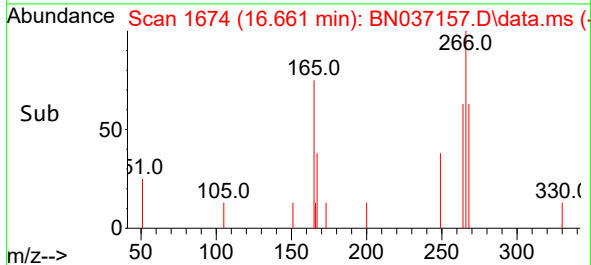
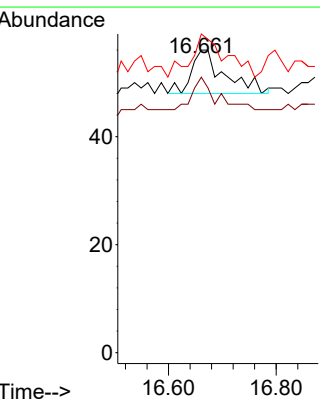
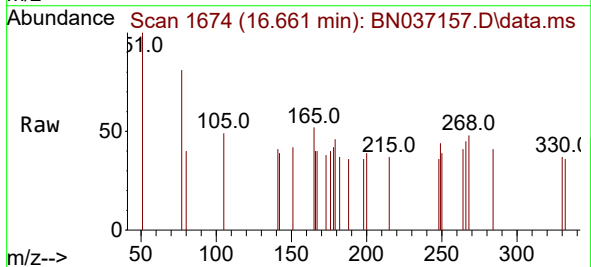
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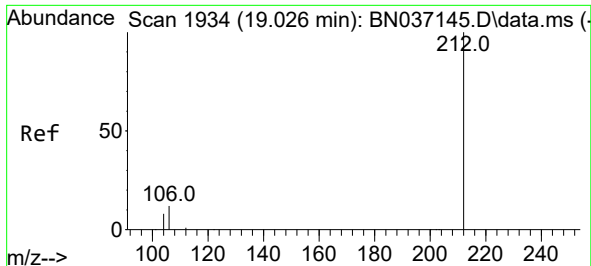
Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 261.7 125.2 187.8#
105 129.8 57.1 85.7#



#24
Pentachlorophenol
Concen: 0.232 ng
RT: 16.661 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion:266 Resp: 34
Ion Ratio Lower Upper
266 100
264 52.9 49.3 73.9
268 105.9 49.0 73.4#

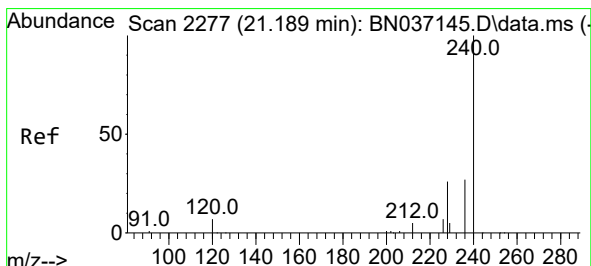
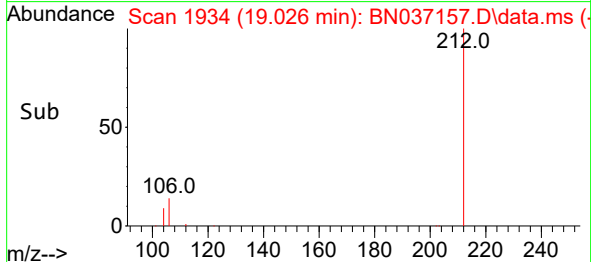
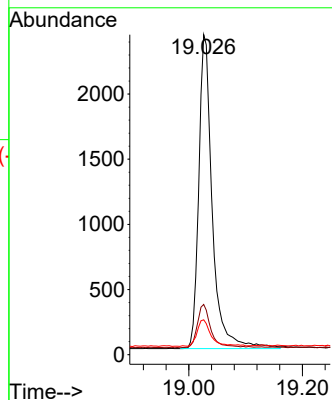
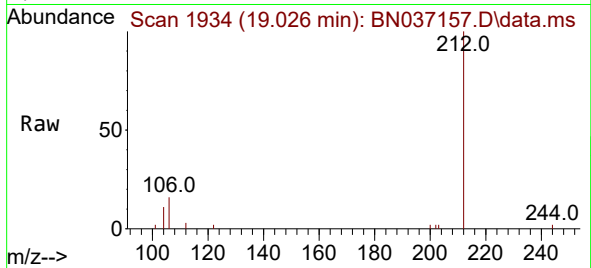




#27
Fluoranthene-d10
Concen: 0.327 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

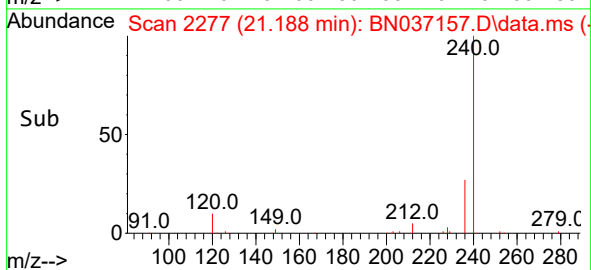
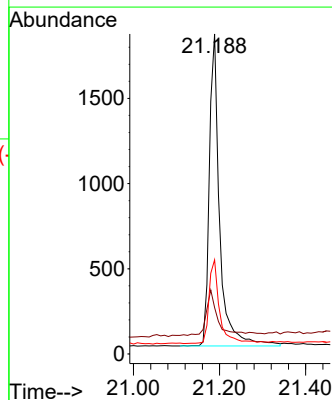
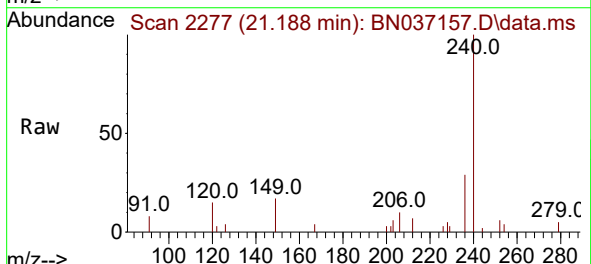
Instrument :
BNA_N
ClientSampleId :
PB168238BL

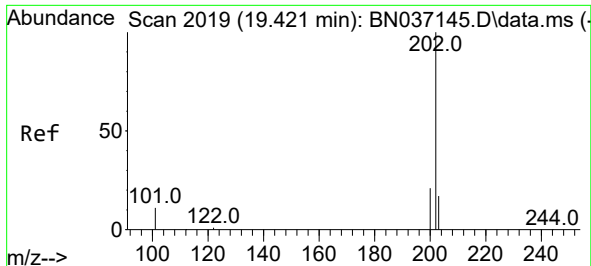
Tgt Ion:212 Resp: 3981
Ion Ratio Lower Upper
212 100
106 13.8 10.6 15.8
104 8.4 6.6 9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion:240 Resp: 3060
Ion Ratio Lower Upper
240 100
120 14.5 9.0 13.4#
236 29.4 23.0 34.4

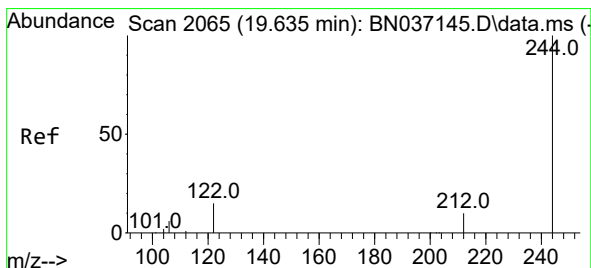
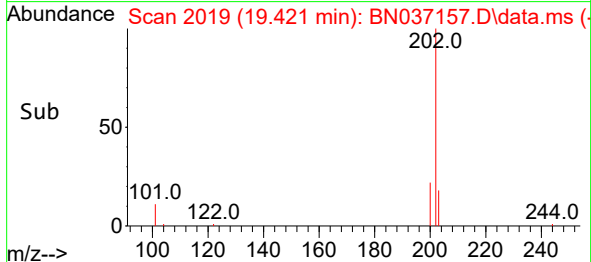
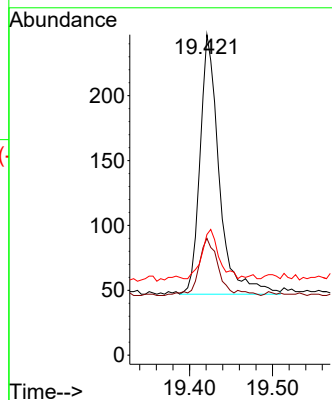
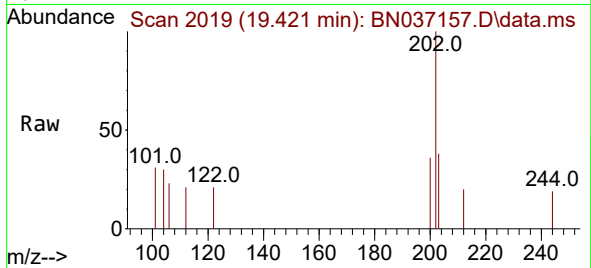




#30
 Pyrene
 Concen: 0.022 ng
 RT: 19.421 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

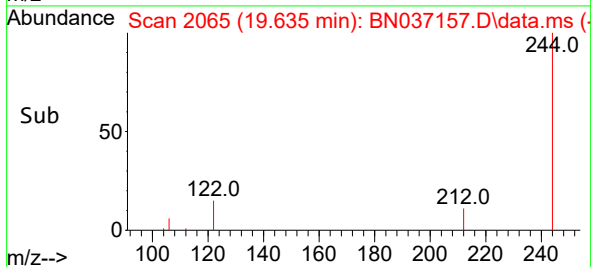
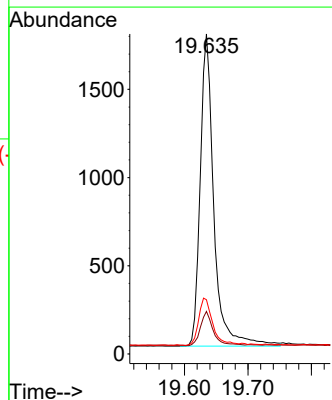
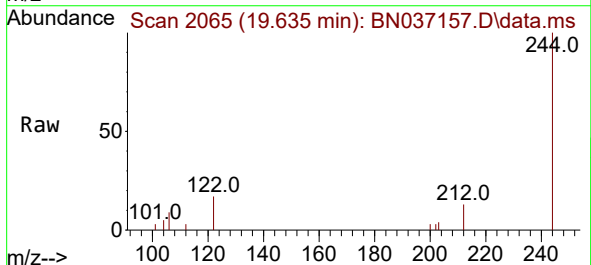
Instrument :
 BNA_N
 ClientSampleId :
 PB168238BL

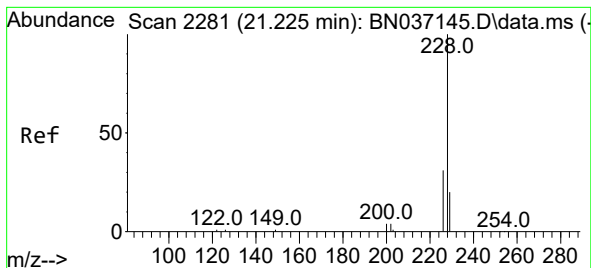
Tgt Ion:202 Resp: 322
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.0 25.6
 203 18.6 14.2 21.4



#31
 Terphenyl-d14
 Concen: 0.366 ng
 RT: 19.635 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: BN037157.D
 Acq: 03 Jun 2025 21:25

Tgt Ion:244 Resp: 2637
 Ion Ratio Lower Upper
 244 100
 212 13.3 10.0 15.0
 122 17.0 13.2 19.8





#33

Chrysene

Concen: 0.023 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037157.D

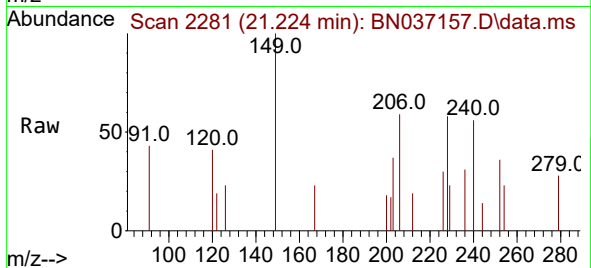
Acq: 03 Jun 2025 21:25

Instrument :

BNA_N

ClientSampleId :

PB168238BL



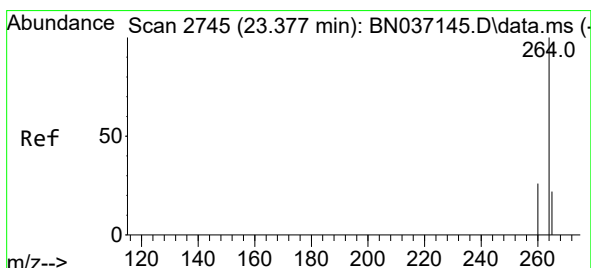
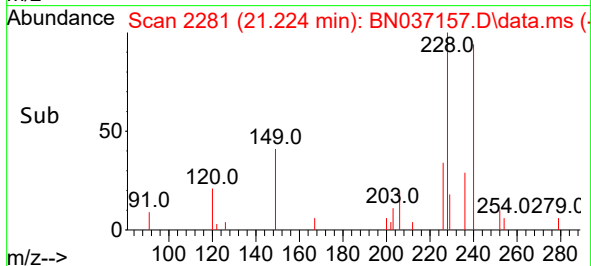
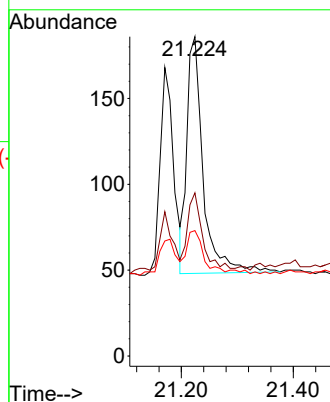
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 51.1 25.2 37.8#

229 39.2 16.8 25.2#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 2745

Delta R.T. -0.000 min

Lab File: BN037157.D

Acq: 03 Jun 2025 21:25

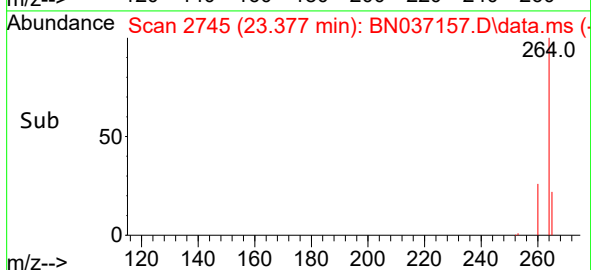
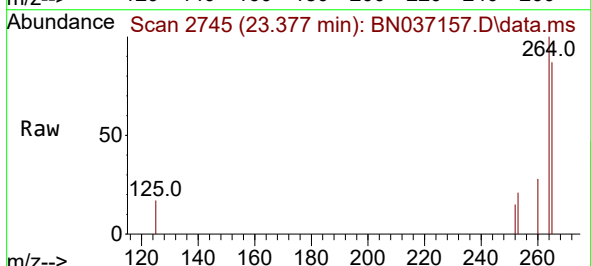
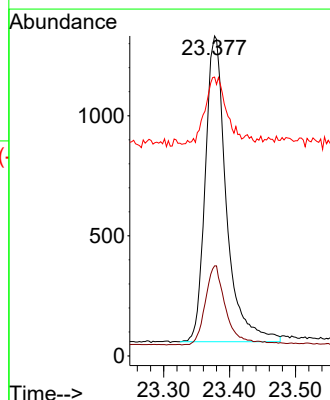
Tgt Ion:264 Resp: 2831

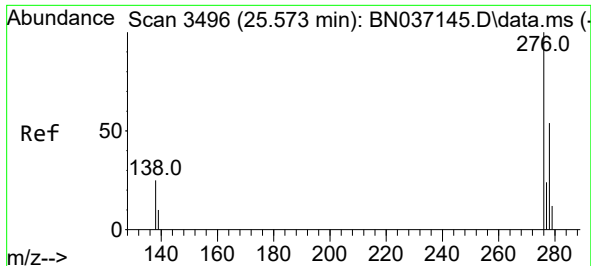
Ion Ratio Lower Upper

264 100

260 28.2 22.1 33.1

265 87.2 55.8 83.8#

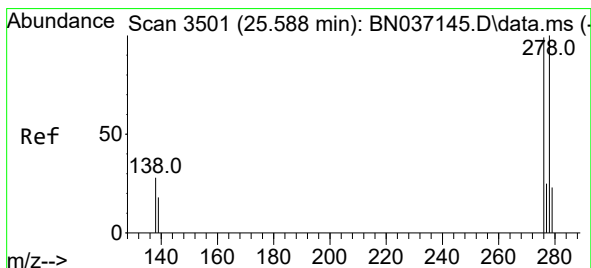
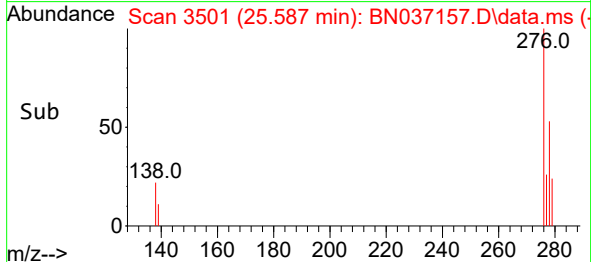
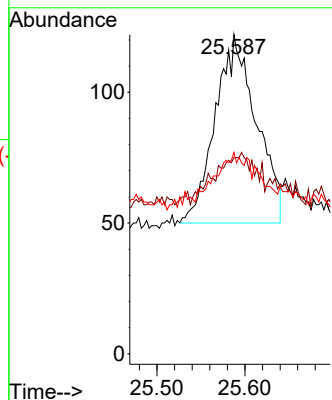
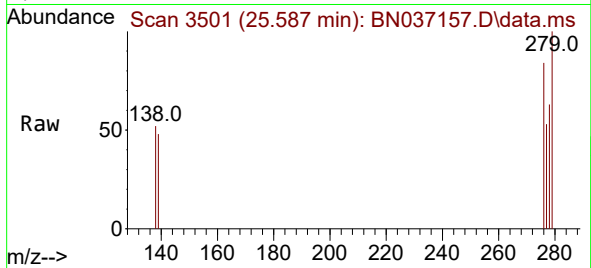




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 25.587 min Scan# 31
Delta R.T. 0.014 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168238BL

Tgt Ion:276 Resp: 235
Ion Ratio Lower Upper
276 100
138 16.6 21.0 31.6#
277 16.2 19.4 29.2#



#40
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.602 min Scan# 3506
Delta R.T. 0.014 min
Lab File: BN037157.D
Acq: 03 Jun 2025 21:25

Tgt Ion:278 Resp: 189
Ion Ratio Lower Upper
278 100
139 63.5 17.6 26.4#
279 132.7 26.0 39.0#

