

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
 Data File : BN037499.D
 Acq On : 15 Jul 2025 12:36
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 15 17:25:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 16:45:15 2025
 Response via : Initial Calibration

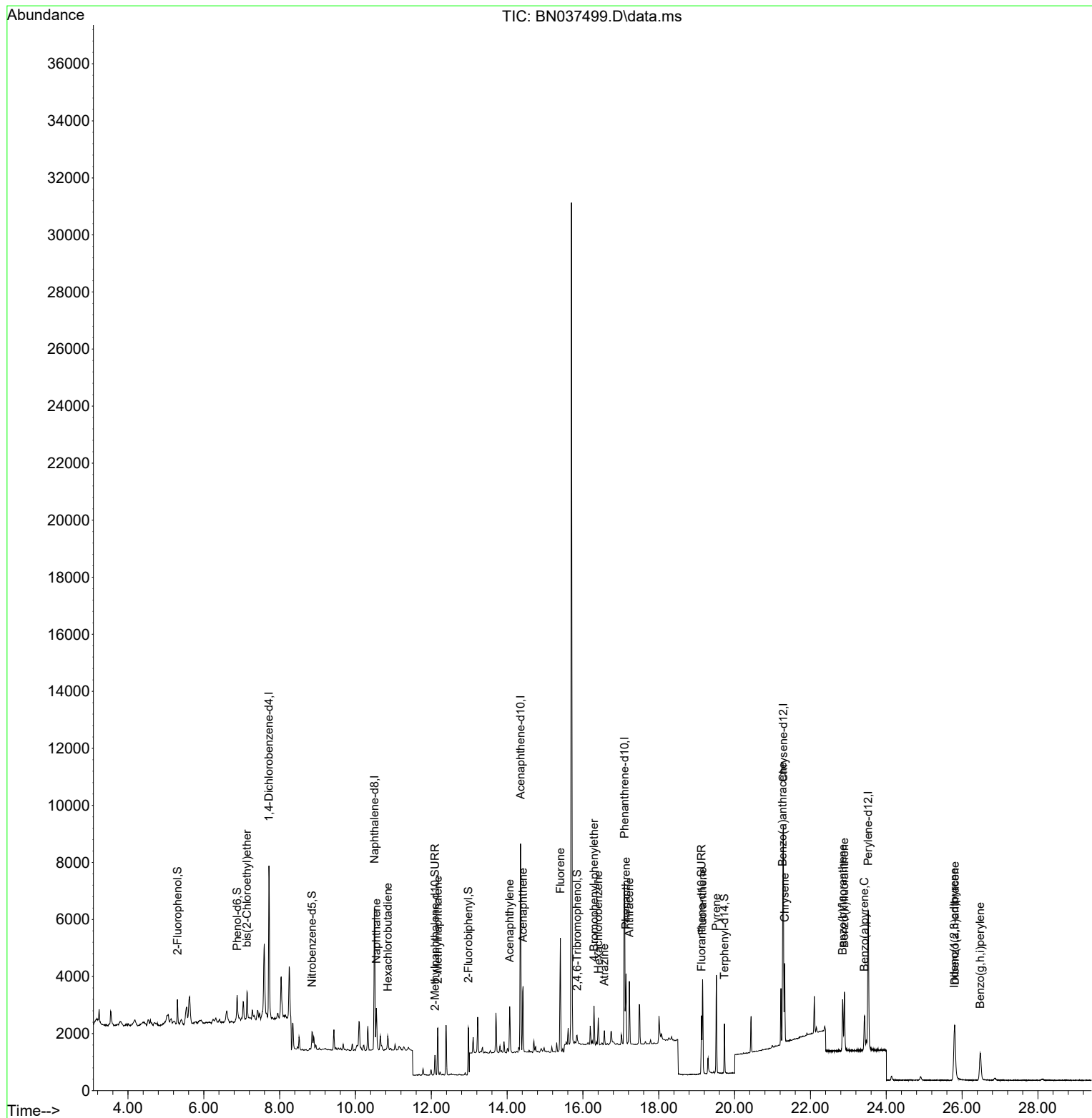
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2613	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6917	0.400	ng	#-0.01
13) Acenaphthene-d10	14.355	164	4050	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	8501	0.400	ng	0.00
29) Chrysene-d12	21.286	240	6753	0.400	ng	0.00
35) Perylene-d12	23.522	264	6399	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	678	0.105	ng	0.00
5) Phenol-d6	6.879	99	946	0.117	ng	0.00
8) Nitrobenzene-d5	8.854	82	538	0.104	ng	-0.01
11) 2-Methylnaphthalene-d10	12.096	152	962	0.097	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	199	0.100	ng	0.00
15) 2-Fluorobiphenyl	12.978	172	1841	0.087	ng	0.00
27) Fluoranthene-d10	19.127	212	2175	0.097	ng	0.00
31) Terphenyl-d14	19.731	244	1563	0.108	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.139	93	707	0.105	ng	97
9) Naphthalene	10.551	128	1848	0.100	ng	# 93
10) Hexachlorobutadiene	10.850	225	396	0.097	ng	# 100
12) 2-Methylnaphthalene	12.172	142	1218	0.100	ng	98
16) Acenaphthylene	14.067	152	1745	0.096	ng	97
17) Acenaphthene	14.420	154	1254	0.102	ng	98
18) Fluorene	15.403	166	1612	0.101	ng	97
21) 4-Bromophenyl-phenylether	16.292	248	527	0.097	ng	98
22) Hexachlorobenzene	16.404	284	670	0.095	ng	100
23) Atrazine	16.565	200	368	0.097	ng	# 81
25) Phenanthrene	17.136	178	2480	0.097	ng	99
26) Anthracene	17.223	178	2179	0.094	ng	100
28) Fluoranthene	19.155	202	2886	0.098	ng	98
30) Pyrene	19.517	202	2961	0.109	ng	100
32) Benzo(a)anthracene	21.268	228	2388	0.101	ng	97
33) Chrysene	21.322	228	2451	0.100	ng	98
36) Indeno(1,2,3-cd)pyrene	25.791	276	2389	0.090	ng	96
37) Benzo(b)fluoranthene	22.850	252	2342	0.096	ng	# 85
38) Benzo(k)fluoranthene	22.896	252	2426	0.097	ng	# 73
39) Benzo(a)pyrene	23.426	252	1902	0.094	ng	# 77
40) Dibenzo(a,h)anthracene	25.811	278	1921	0.089	ng	# 78
41) Benzo(g,h,i)perylene	26.478	276	1995	0.089	ng	90

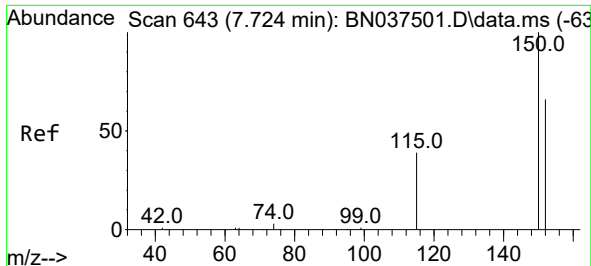
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071525\
Data File : BN037499.D
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Instrument :
BNA_N
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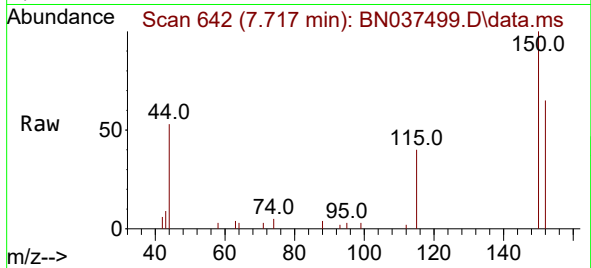
Quant Time: Jul 15 17:25:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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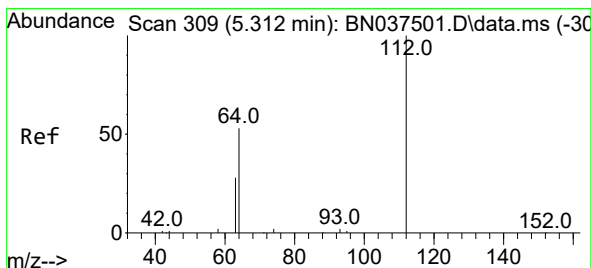
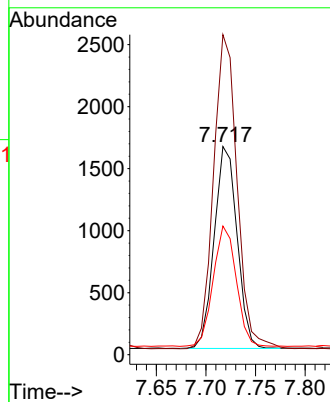
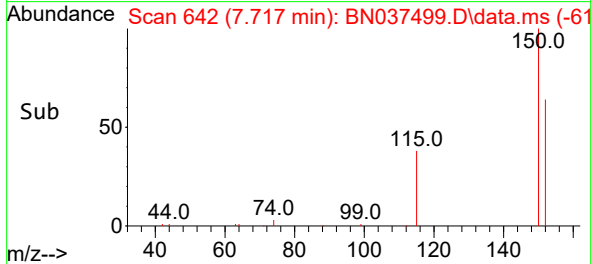


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

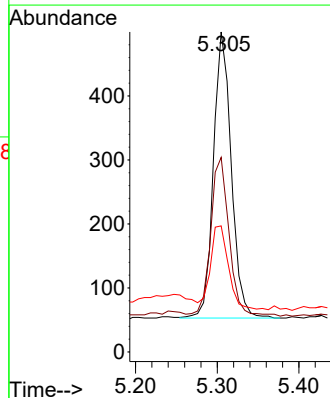
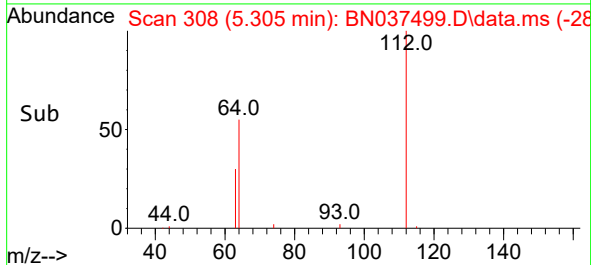
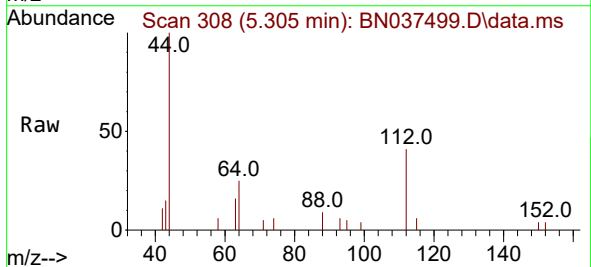


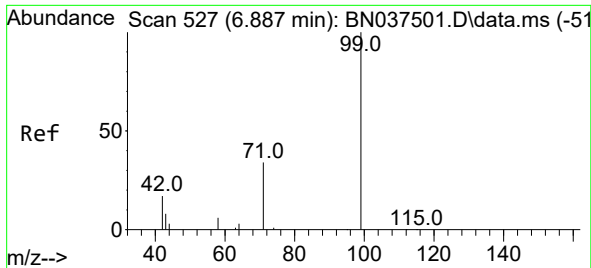
Tgt Ion:152 Resp: 2613
Ion Ratio Lower Upper
152 100
150 153.7 119.8 179.8
115 61.8 49.1 73.7



#4
2-Fluorophenol
Concen: 0.105 ng
RT: 5.305 min Scan# 308
Delta R.T. -0.007 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:112 Resp: 678
Ion Ratio Lower Upper
112 100
64 57.5 45.1 67.7
63 29.1 23.8 35.8

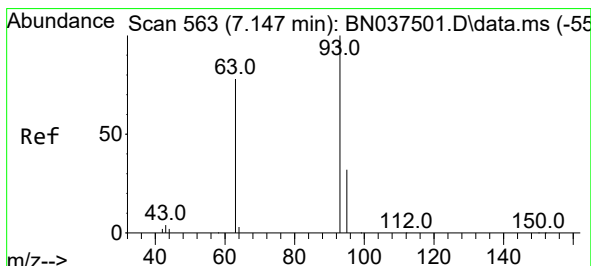
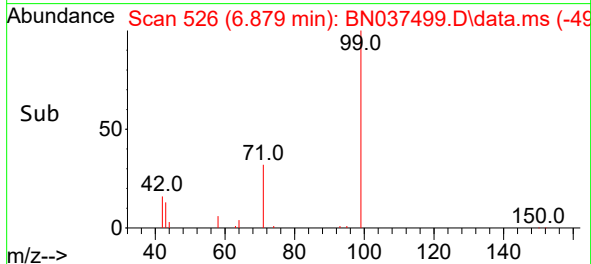
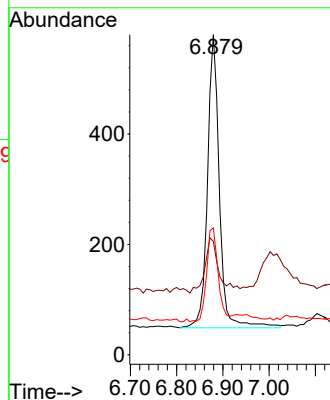
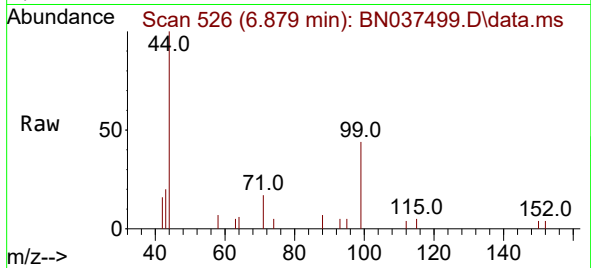




#5
Phenol-d6
Concen: 0.117 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

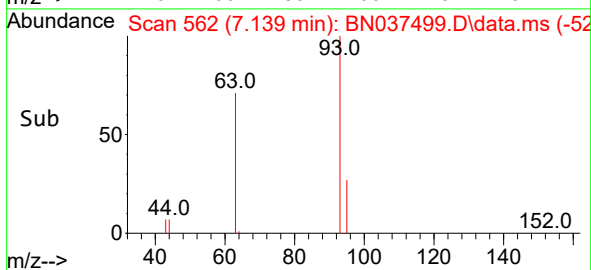
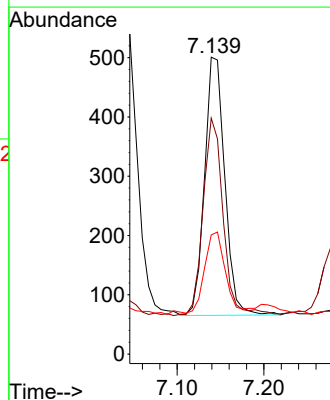
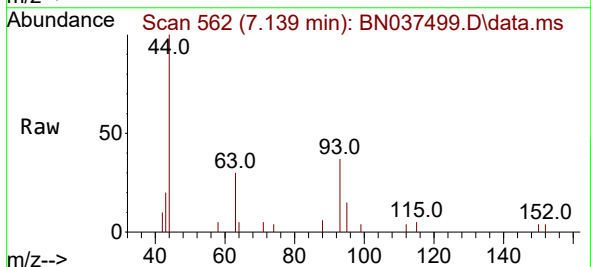
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

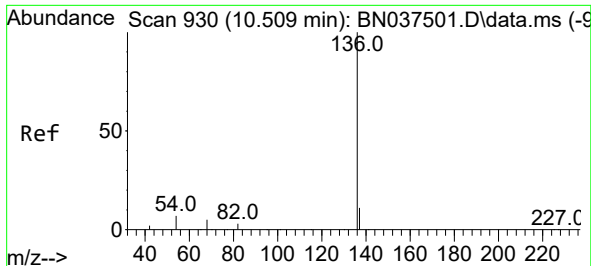
Tgt Ion: 99 Resp: 946
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 31.1 27.8 41.8



#6
bis(2-Chloroethyl)ether
Concen: 0.105 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion: 93 Resp: 707
Ion Ratio Lower Upper
93 100
63 75.8 58.2 87.4
95 33.2 25.3 37.9

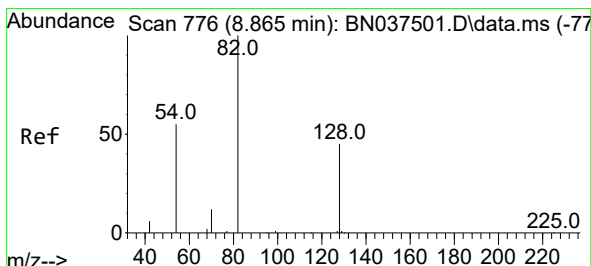
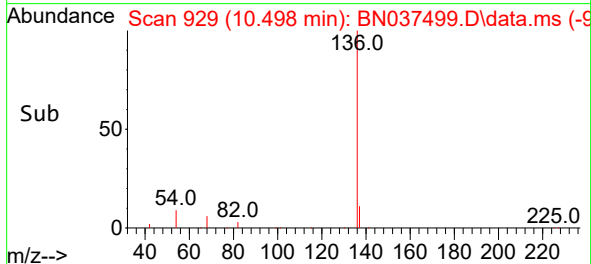
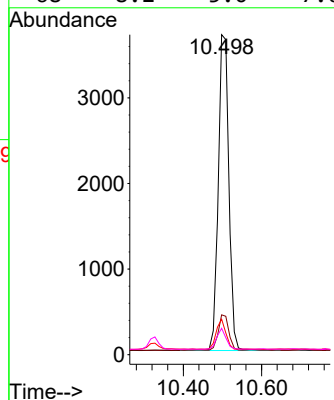
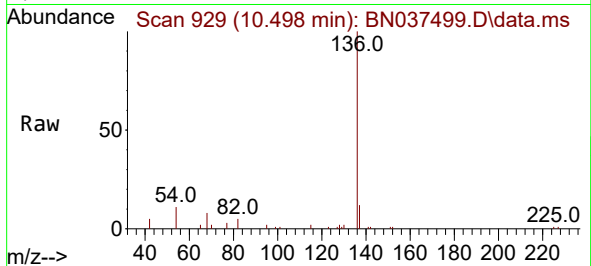




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

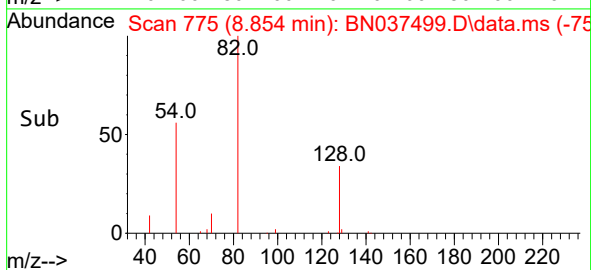
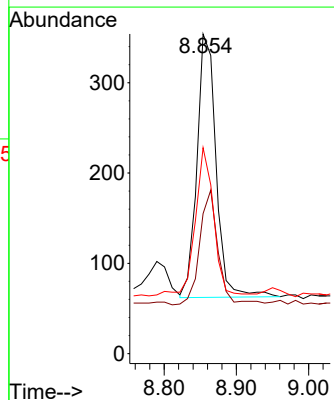
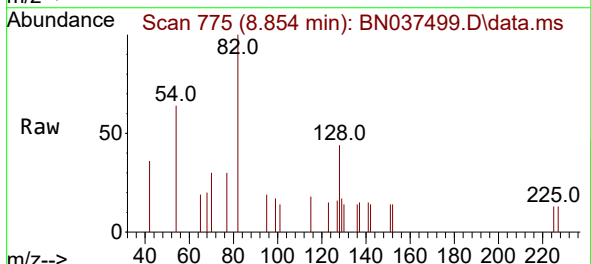
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

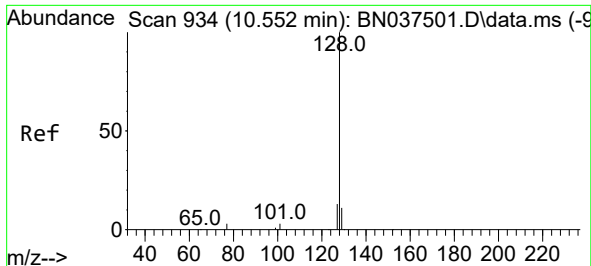
Tgt Ion:136 Resp: 6917
Ion Ratio Lower Upper
136 100
137 12.5 9.8 14.8
54 11.1 6.6 9.8#
68 8.2 5.0 7.6#



#8
Nitrobenzene-d5
Concen: 0.104 ng
RT: 8.854 min Scan# 775
Delta R.T. -0.011 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion: 82 Resp: 538
Ion Ratio Lower Upper
82 100
128 43.8 37.5 56.3
54 64.4 45.3 67.9

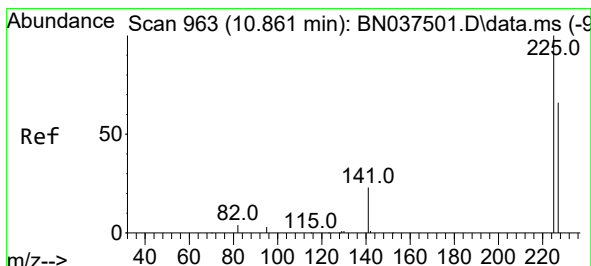
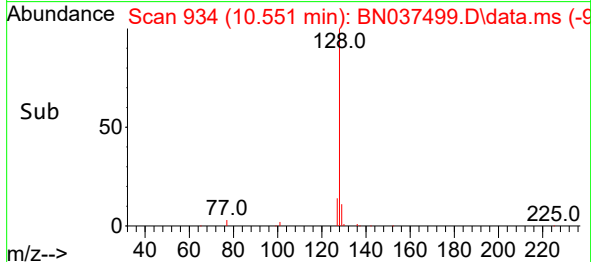
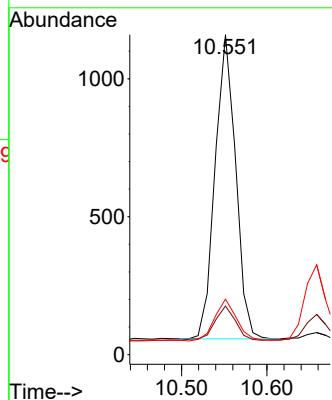
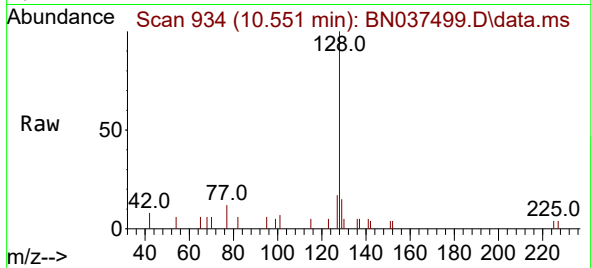




#9
Naphthalene
Concen: 0.100 ng
RT: 10.551 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

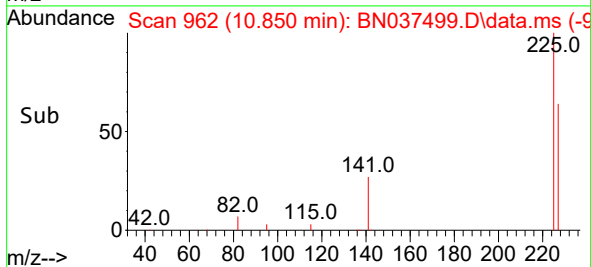
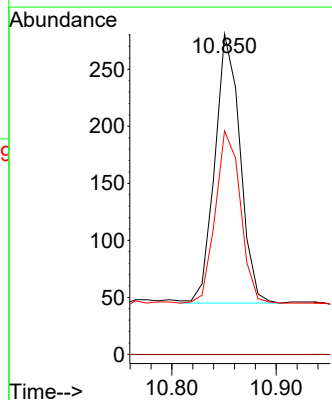
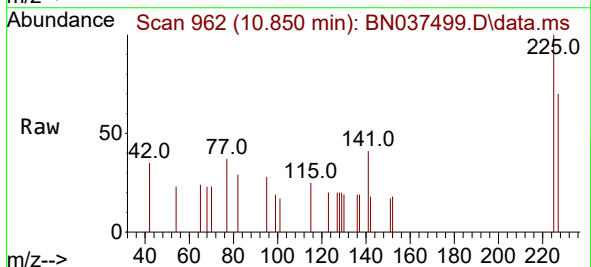
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BNA_N
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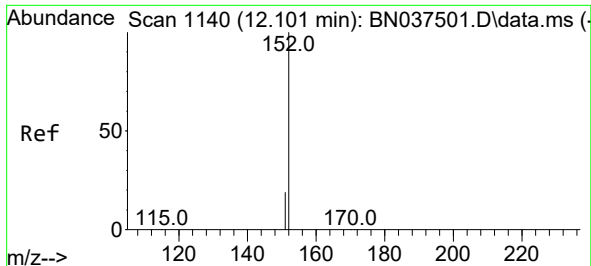
Tgt Ion:128 Resp: 1848
Ion Ratio Lower Upper
128 100
129 15.2 9.7 14.5#
127 17.3 11.5 17.3#



#10
Hexachlorobutadiene
Concen: 0.097 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.011 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:225 Resp: 396
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.4 51.0 76.4

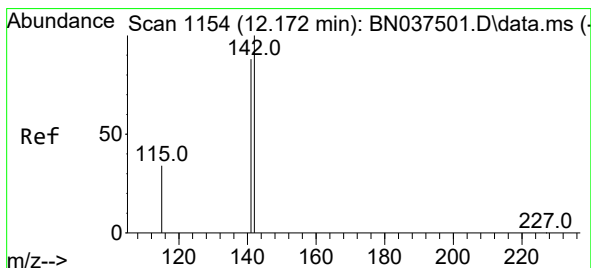
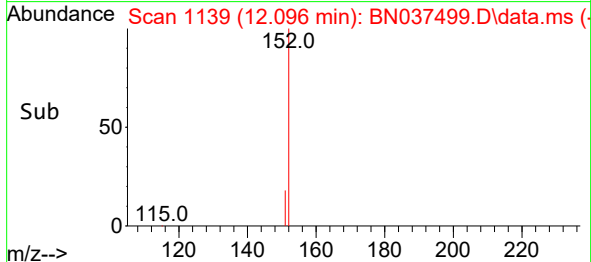
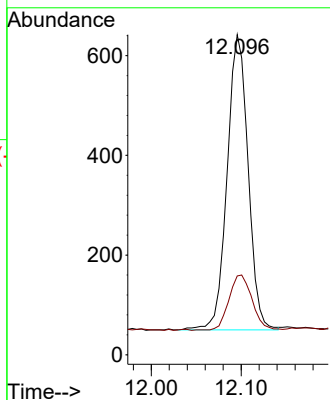
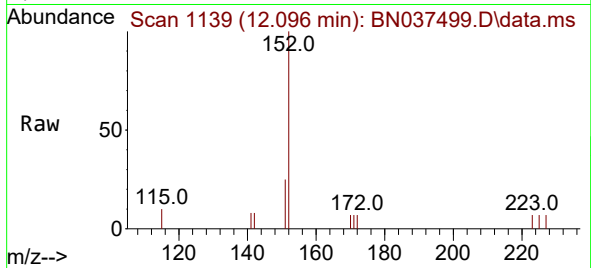




#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.096 min Scan# 1139
Delta R.T. -0.005 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

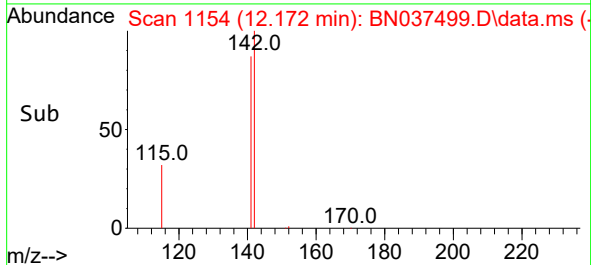
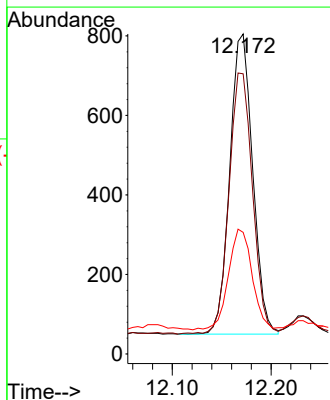
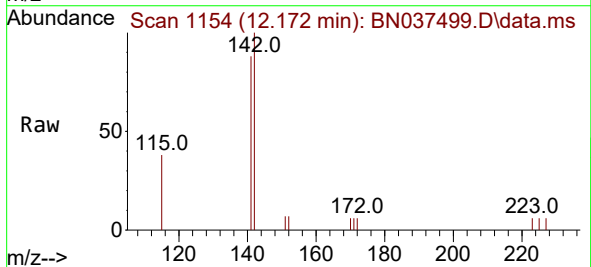
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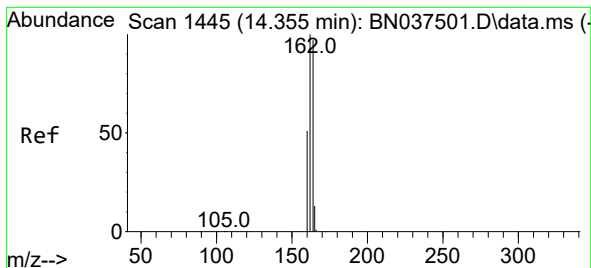
Tgt Ion:152 Resp: 962
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:142 Resp: 1218
Ion Ratio Lower Upper
142 100
141 87.6 71.0 106.4
115 38.0 29.0 43.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.355 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

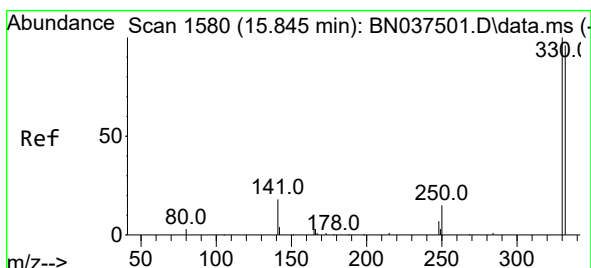
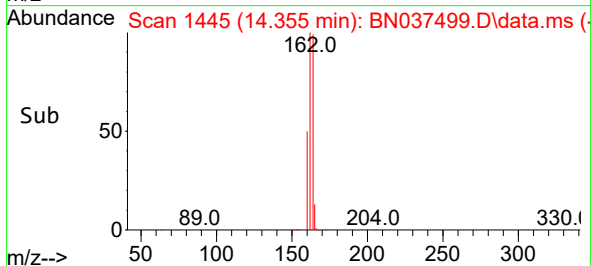
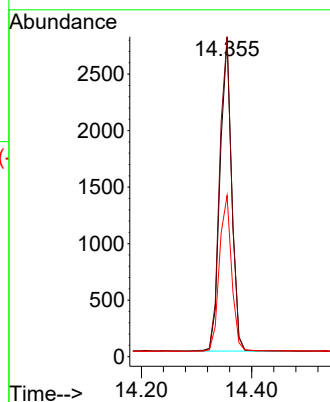
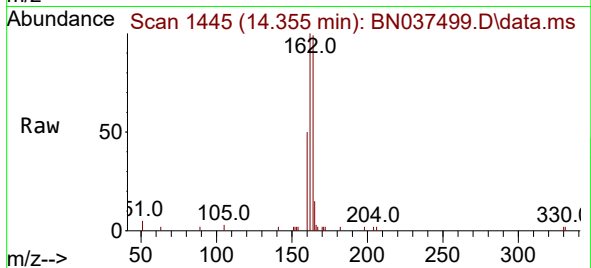
Tgt Ion:164 Resp: 4050

Ion Ratio Lower Upper

164 100

162 100.5 82.0 123.0

160 50.6 42.4 63.6



#14

2,4,6-Tribromophenol

Concen: 0.100 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

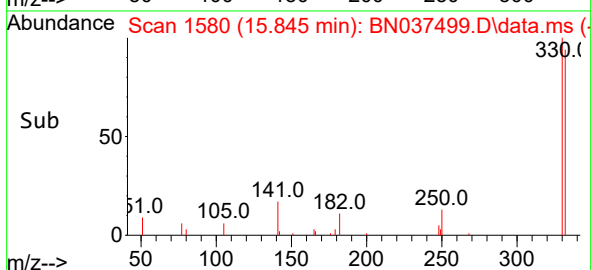
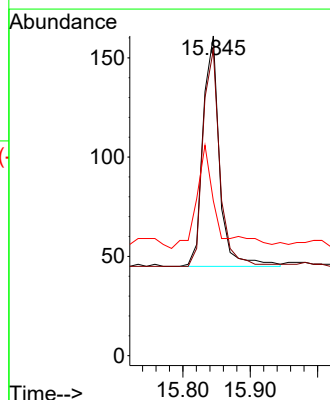
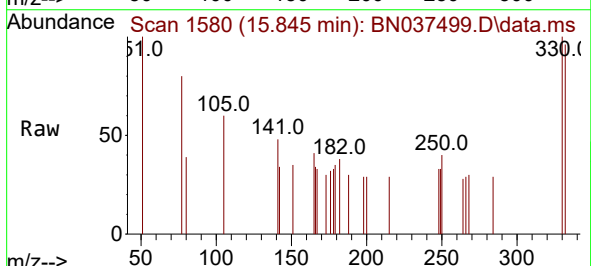
Tgt Ion:330 Resp: 199

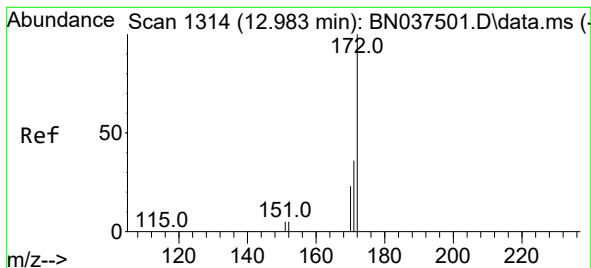
Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

141 44.7 33.4 50.0





#15

2-Fluorobiphenyl

Concen: 0.087 ng

RT: 12.978 min Scan# 1313

Delta R.T. -0.005 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

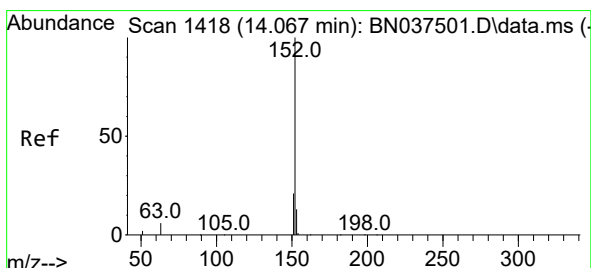
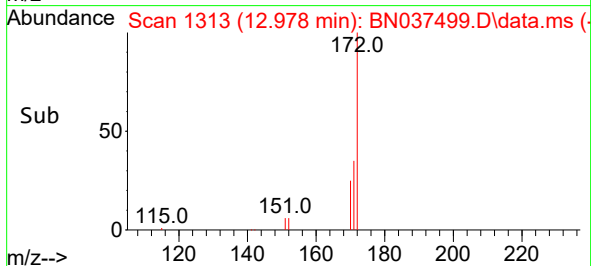
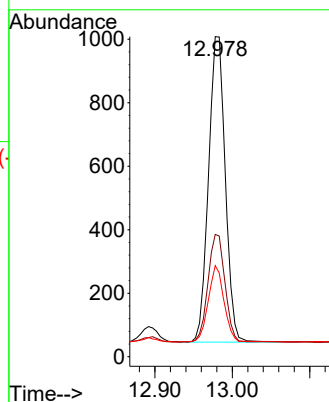
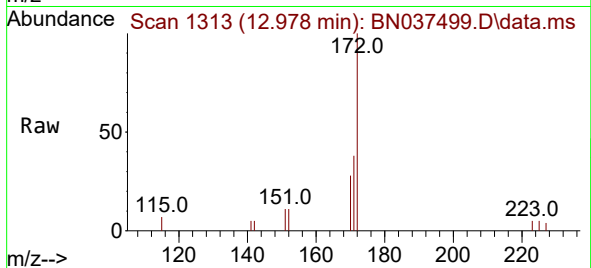
Tgt Ion:172 Resp: 1841

Ion Ratio Lower Upper

172 100

171 38.2 29.4 44.2

170 28.5 19.4 29.0



#16

Acenaphthylene

Concen: 0.096 ng

RT: 14.067 min Scan# 1418

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

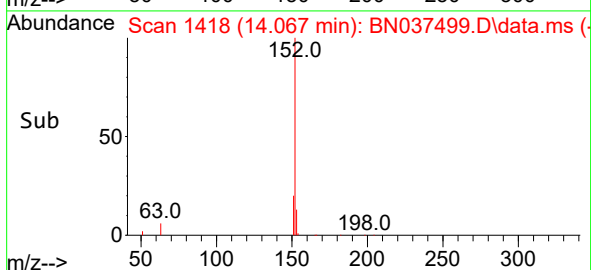
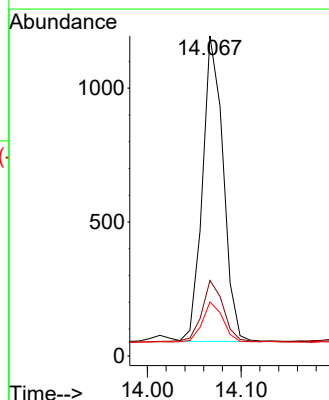
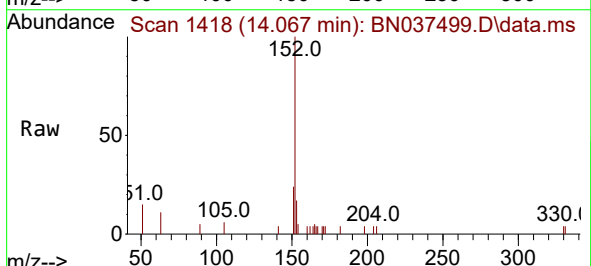
Tgt Ion:152 Resp: 1745

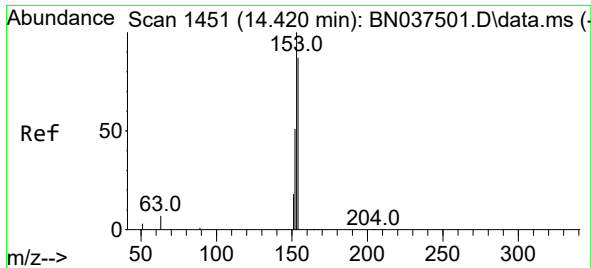
Ion Ratio Lower Upper

152 100

151 21.7 15.9 23.9

153 14.3 10.7 16.1

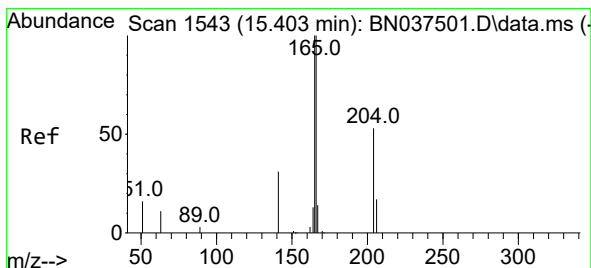
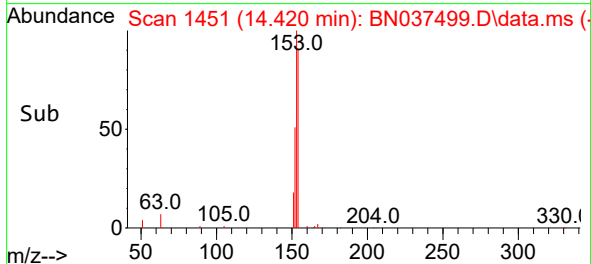
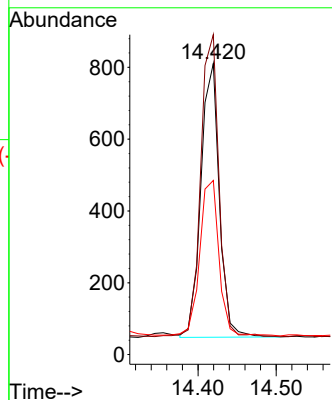
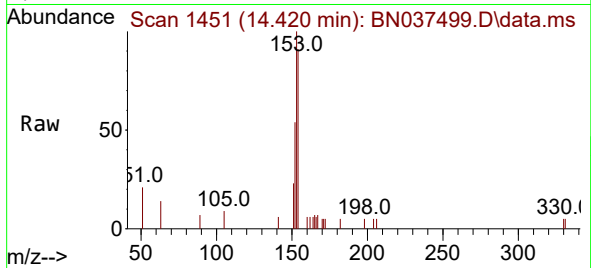




#17
Acenaphthene
Concen: 0.102 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

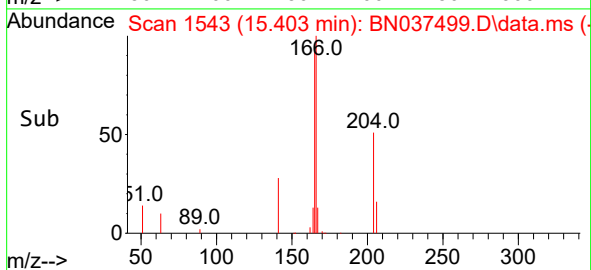
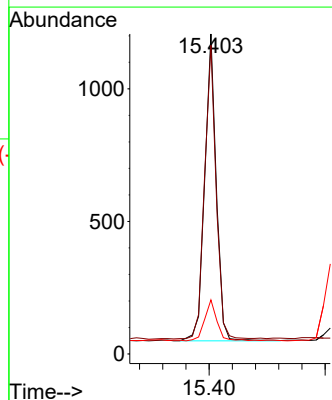
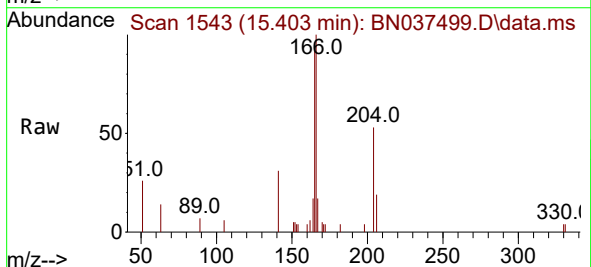
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

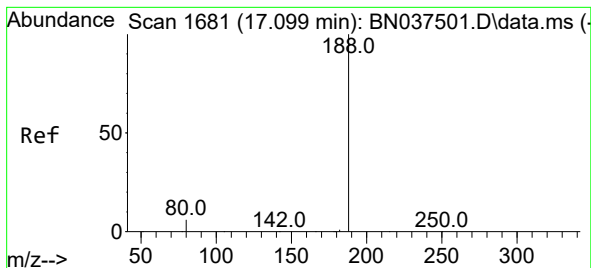
Tgt Ion:154 Resp: 1254
Ion Ratio Lower Upper
154 100
153 108.9 89.2 133.8
152 59.4 48.0 72.0



#18
Fluorene
Concen: 0.101 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:166 Resp: 1612
Ion Ratio Lower Upper
166 100
165 94.6 78.1 117.1
167 14.0 11.0 16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

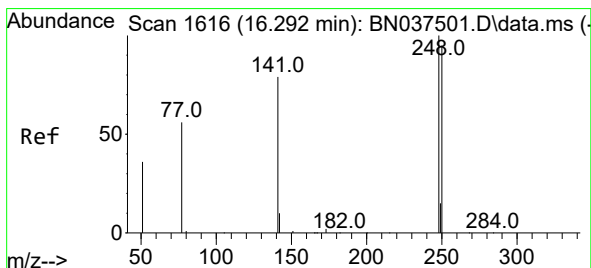
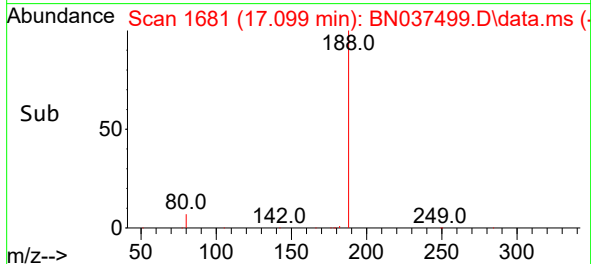
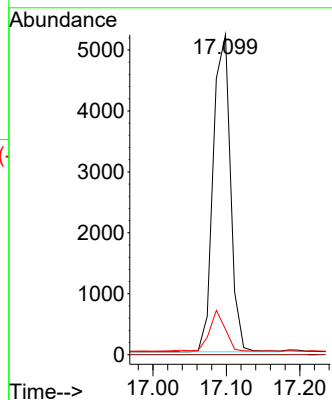
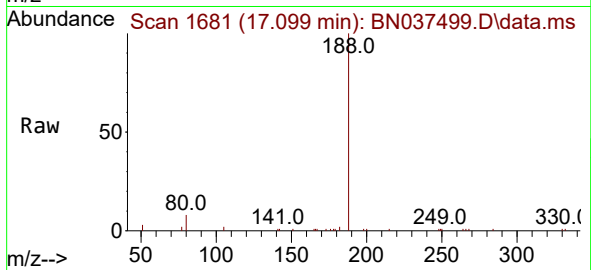
Tgt Ion:188 Resp: 8501

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.9 6.0 9.0



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.292 min Scan# 1616

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

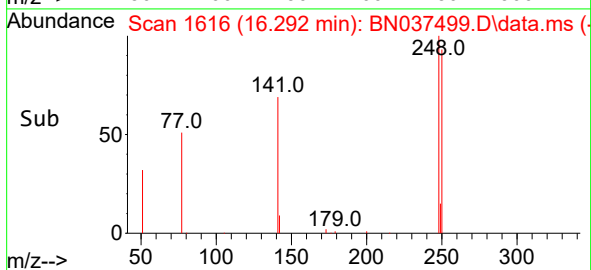
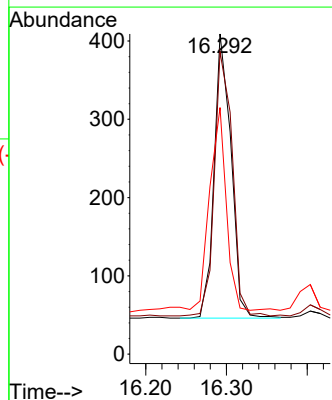
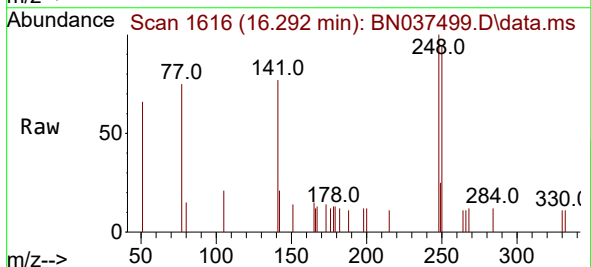
Tgt Ion:248 Resp: 527

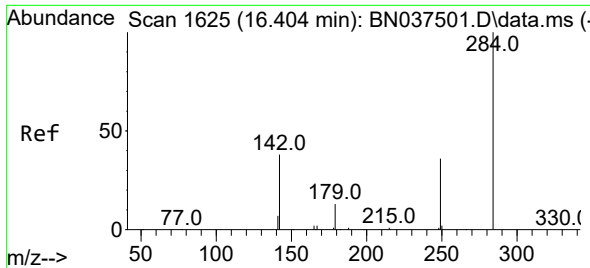
Ion Ratio Lower Upper

248 100

250 94.4 76.2 114.2

141 77.0 63.9 95.9

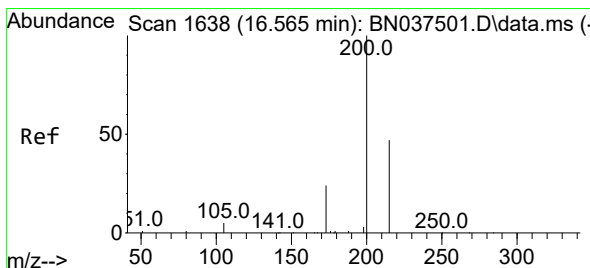
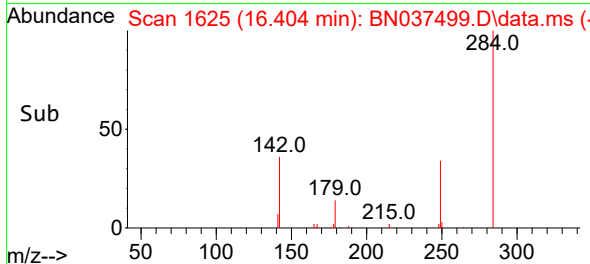
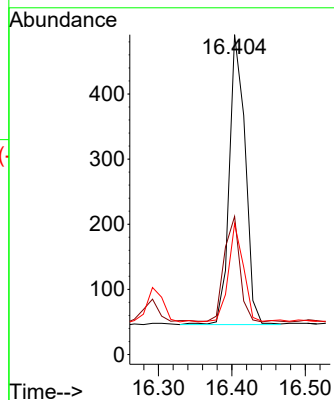
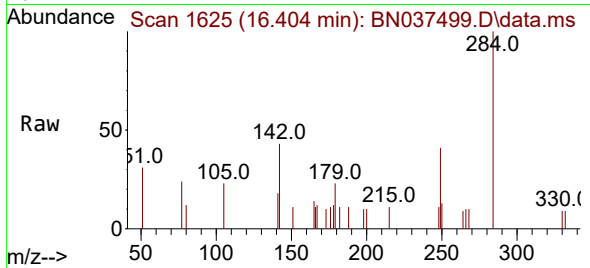




#22
Hexachlorobenzene
Concen: 0.095 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

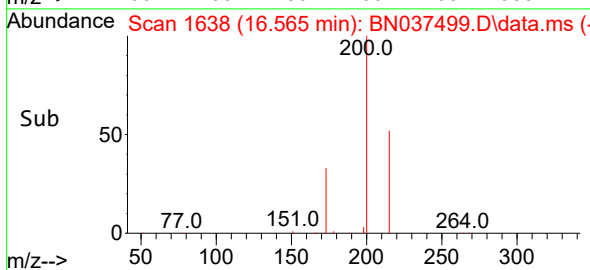
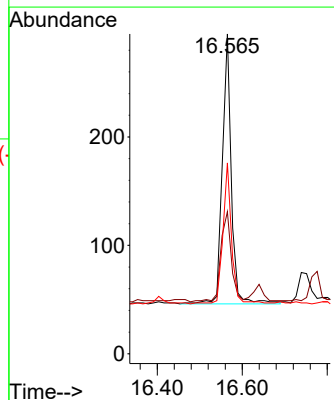
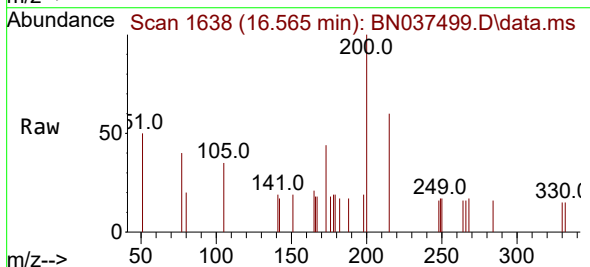
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

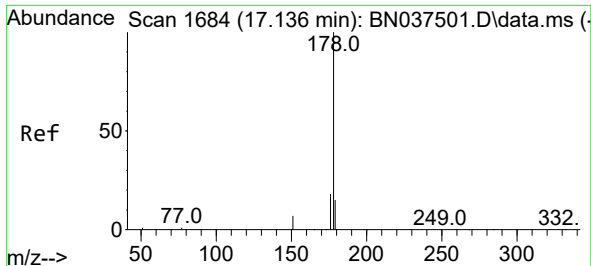
Tgt Ion:284 Resp: 670
Ion Ratio Lower Upper
284 100
142 36.1 28.9 43.3
249 32.4 25.8 38.6



#23
Atrazine
Concen: 0.097 ng
RT: 16.565 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:200 Resp: 368
Ion Ratio Lower Upper
200 100
173 44.4 23.2 34.8#
215 59.7 40.2 60.4

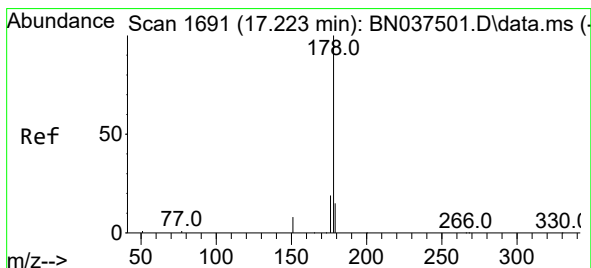
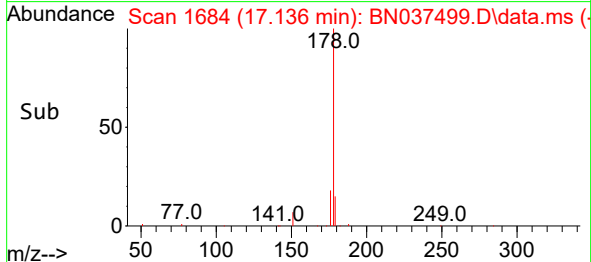
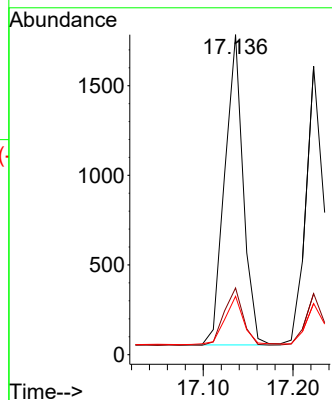
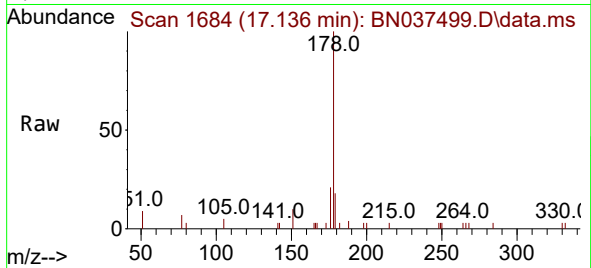




#25
Phenanthrene
Concen: 0.097 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

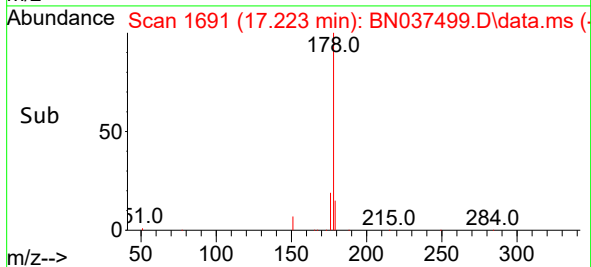
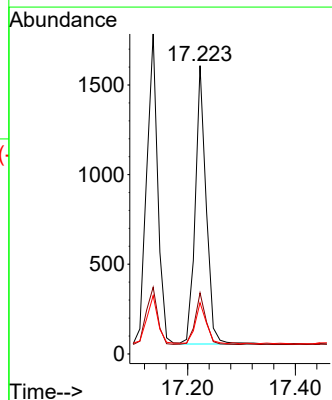
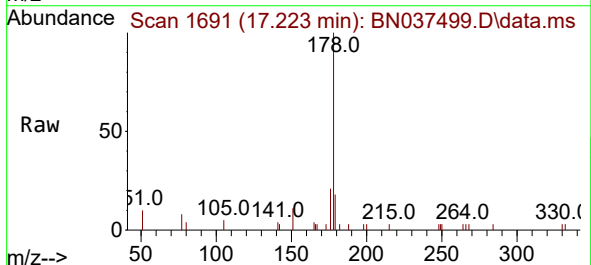
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

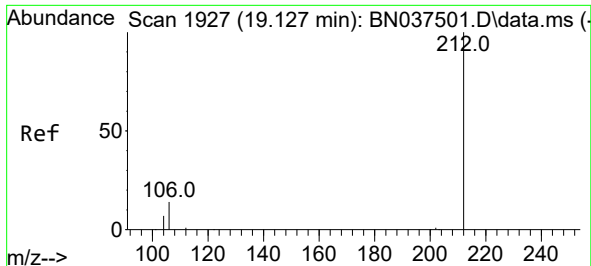
Tgt Ion:178 Resp: 2480
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 15.8 12.2 18.2



#26
Anthracene
Concen: 0.094 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:178 Resp: 2179
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.3 12.3 18.5

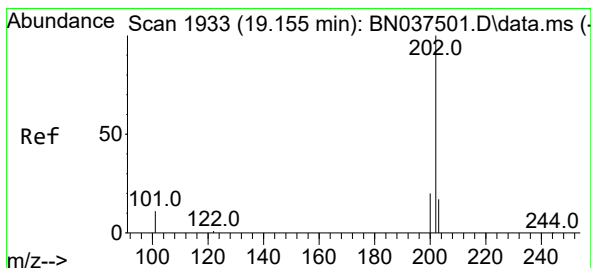
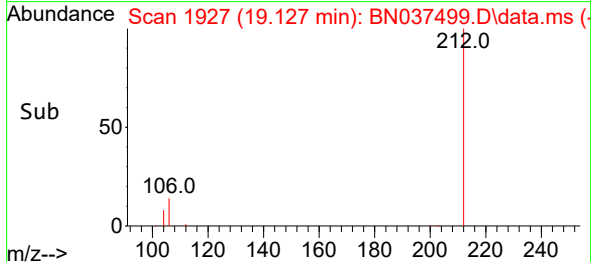
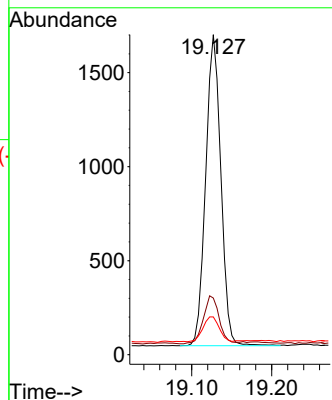
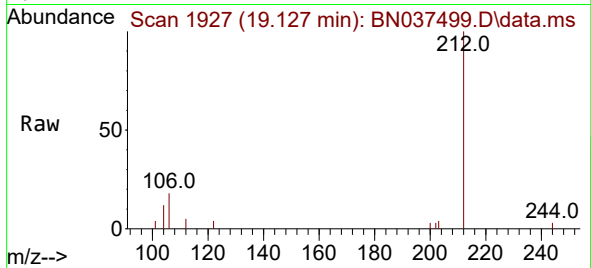




#27
Fluoranthene-d10
Concen: 0.097 ng
RT: 19.127 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

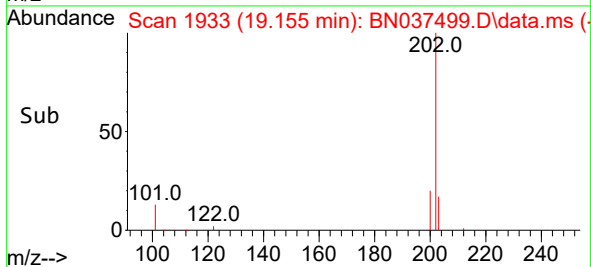
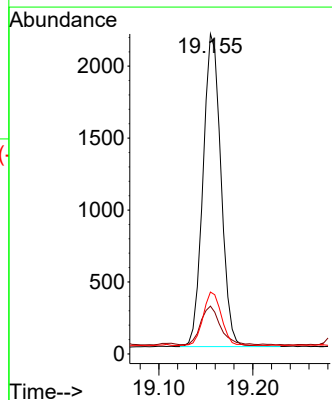
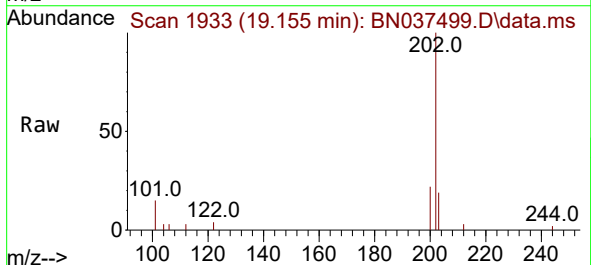
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

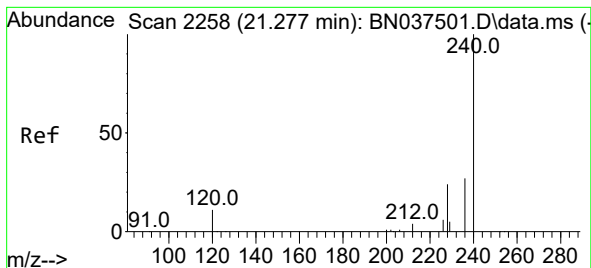
Tgt Ion:212 Resp: 2175
Ion Ratio Lower Upper
212 100
106 15.9 12.2 18.4
104 8.7 6.7 10.1



#28
Fluoranthene
Concen: 0.098 ng
RT: 19.155 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:202 Resp: 2886
Ion Ratio Lower Upper
202 100
101 13.5 9.8 14.6
203 17.3 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

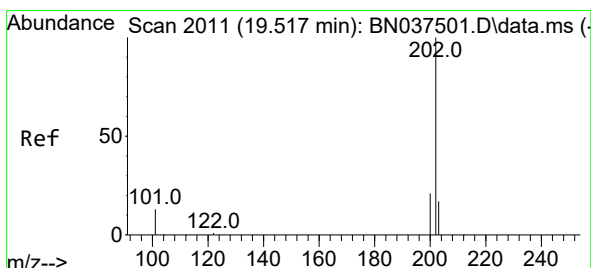
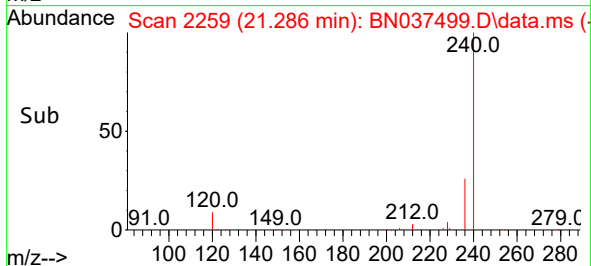
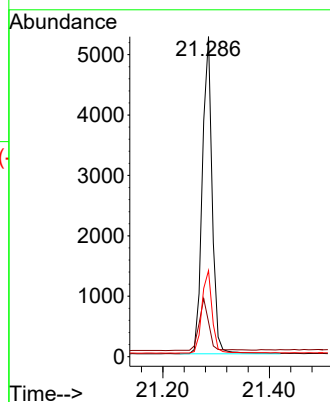
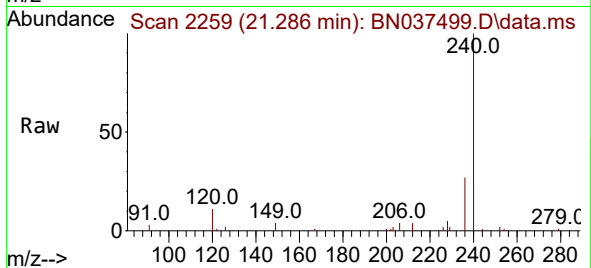
Tgt Ion:240 Resp: 6753

Ion Ratio Lower Upper

240 100

120 10.8 10.7 16.1

236 26.9 22.6 33.8



#30

Pyrene

Concen: 0.109 ng

RT: 19.517 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

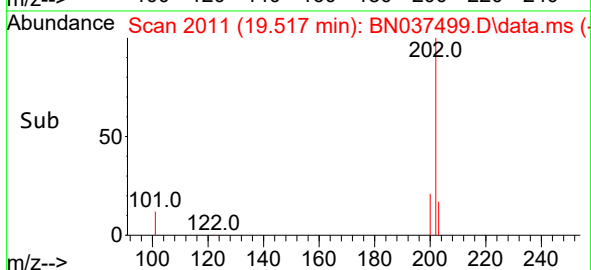
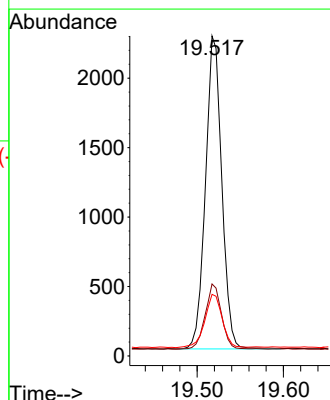
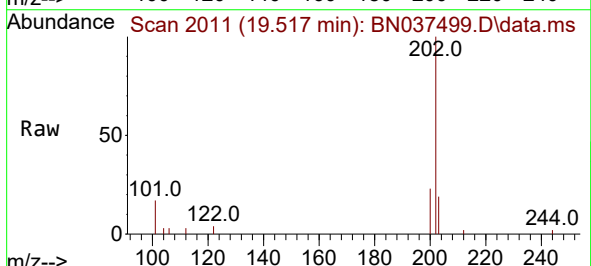
Tgt Ion:202 Resp: 2961

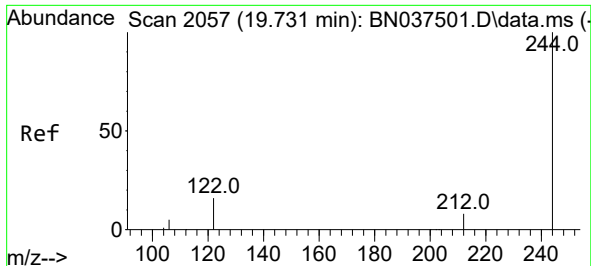
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 18.2 14.3 21.5

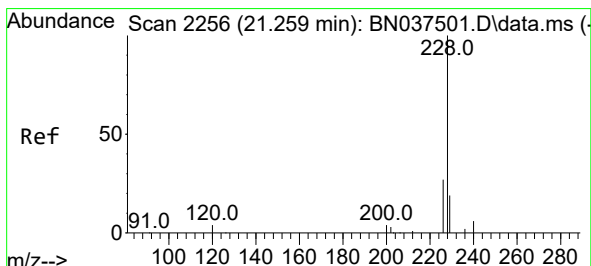
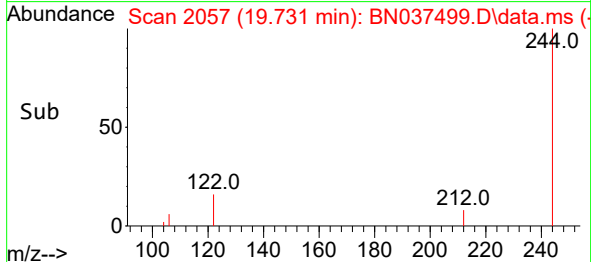
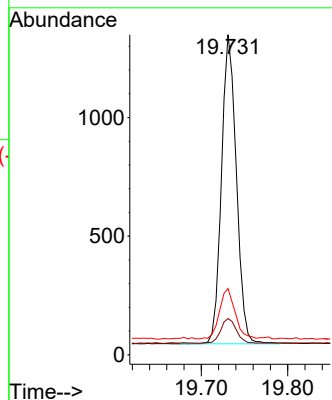
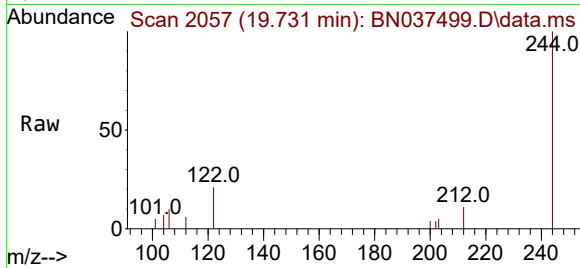




#31
 Terphenyl-d14
 Concen: 0.108 ng
 RT: 19.731 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: BN037499.D
 Acq: 15 Jul 2025 12:36

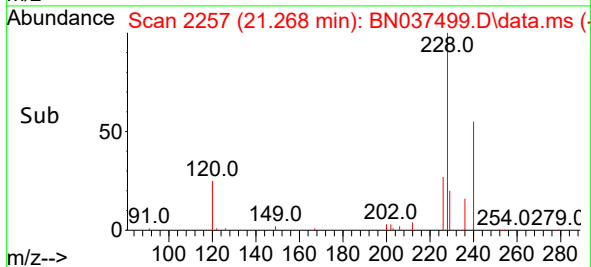
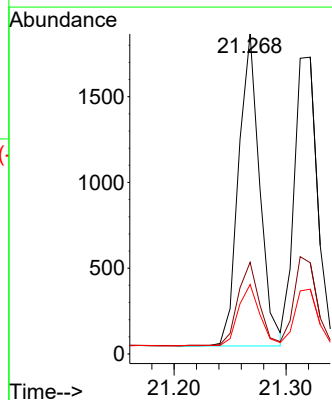
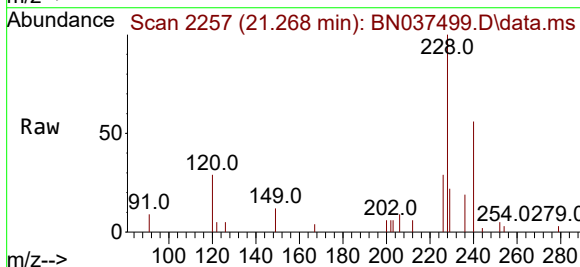
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

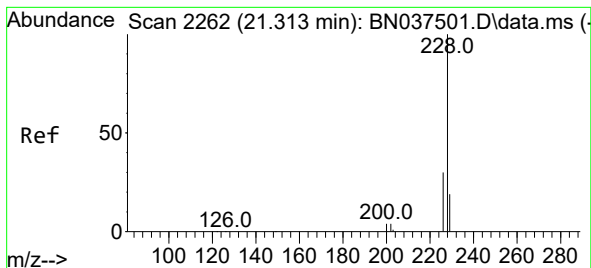
Tgt Ion:244 Resp: 1563
 Ion Ratio Lower Upper
 244 100
 212 11.3 7.4 11.2#
 122 20.7 13.6 20.4#



#32
 Benzo(a)anthracene
 Concen: 0.101 ng
 RT: 21.268 min Scan# 2257
 Delta R.T. 0.009 min
 Lab File: BN037499.D
 Acq: 15 Jul 2025 12:36

Tgt Ion:228 Resp: 2388
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 21.7 15.8 23.8





#33

Chrysene

Concen: 0.100 ng

RT: 21.322 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

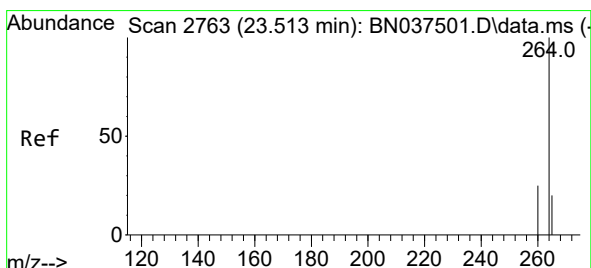
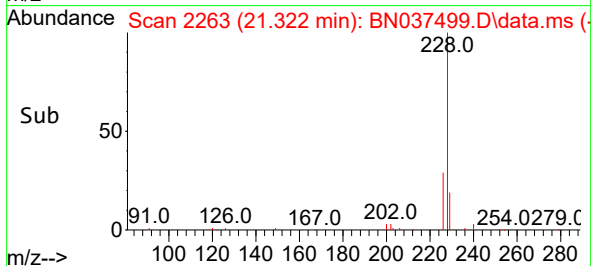
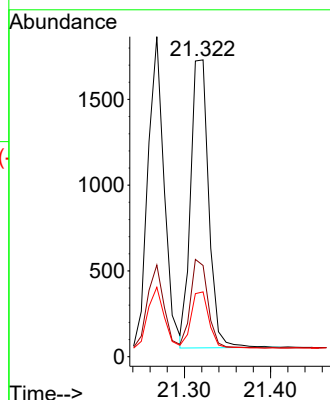
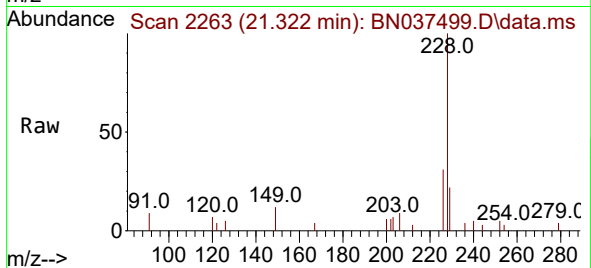
Tgt Ion:228 Resp: 2451

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 21.8 16.1 24.1



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.522 min Scan# 2766

Delta R.T. 0.009 min

Lab File: BN037499.D

Acq: 15 Jul 2025 12:36

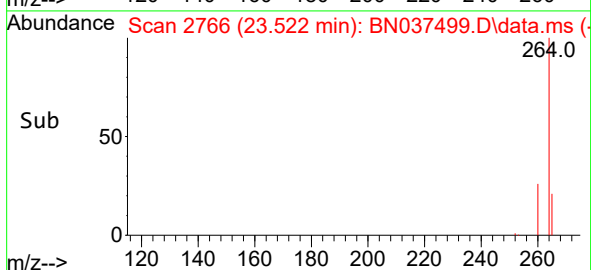
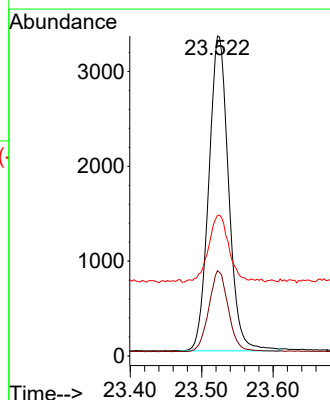
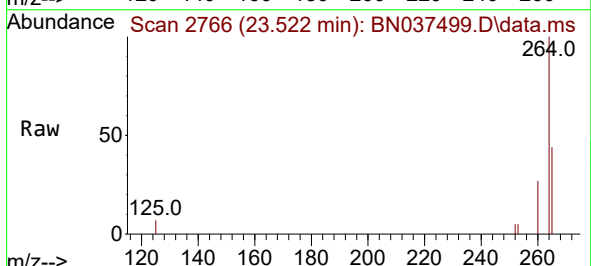
Tgt Ion:264 Resp: 6399

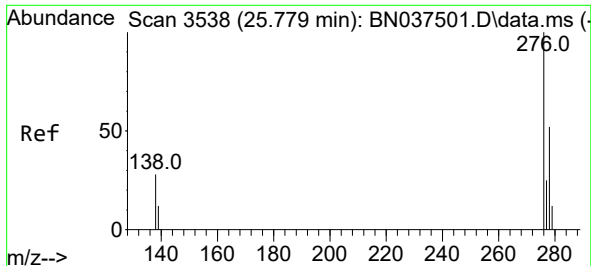
Ion Ratio Lower Upper

264 100

260 26.6 21.2 31.8

265 43.9 40.4 60.6

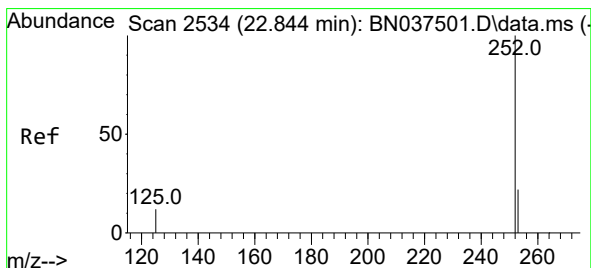
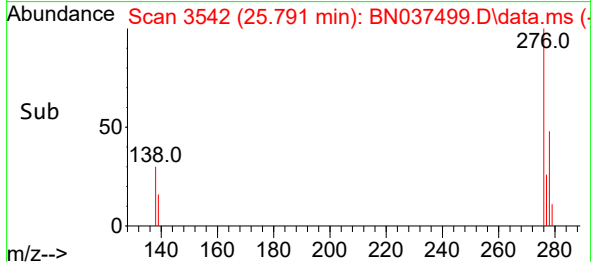
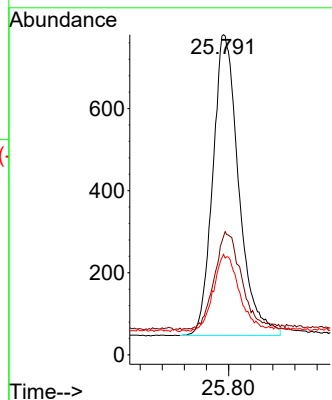
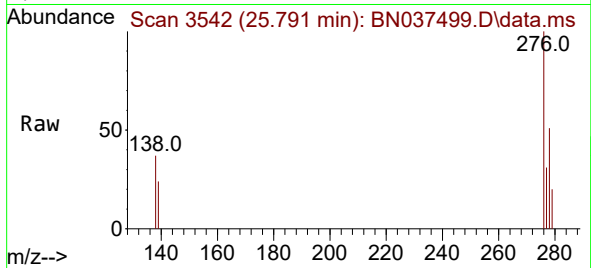




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.090 ng
RT: 25.791 min Scan# 3542
Delta R.T. 0.012 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

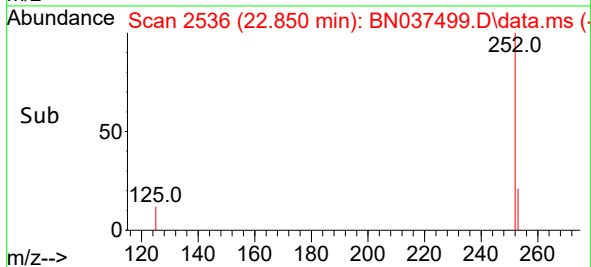
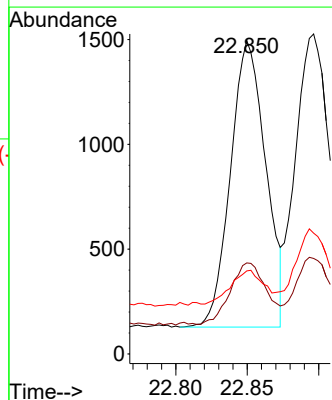
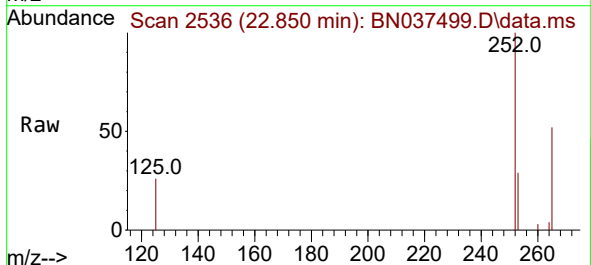
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

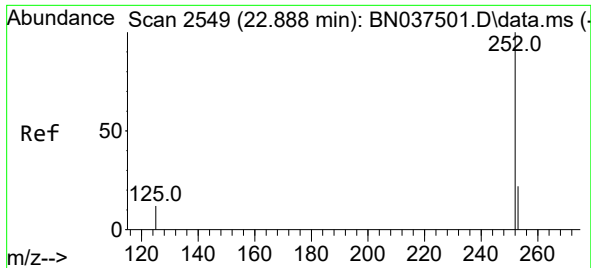
Tgt Ion:276 Resp: 2389
Ion Ratio Lower Upper
276 100
138 33.7 24.0 36.0
277 25.3 20.5 30.7



#37
Benzo(b)fluoranthene
Concen: 0.096 ng
RT: 22.850 min Scan# 2536
Delta R.T. 0.006 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

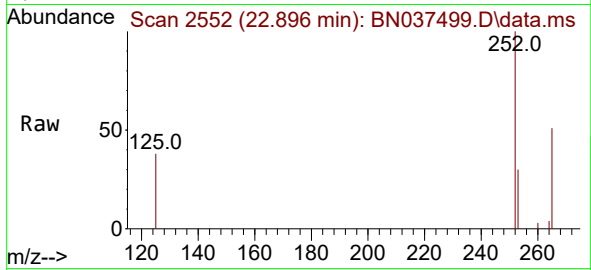
Tgt Ion:252 Resp: 2342
Ion Ratio Lower Upper
252 100
253 29.0 19.5 29.3
125 26.5 13.0 19.6#



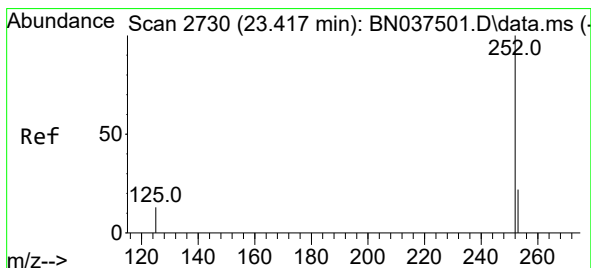
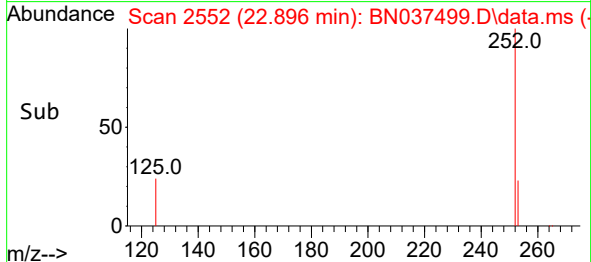
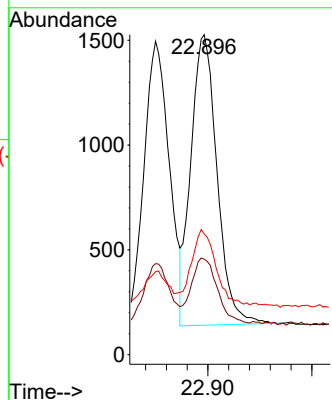


#38
Benzo(k)fluoranthene
Concen: 0.097 ng
RT: 22.896 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

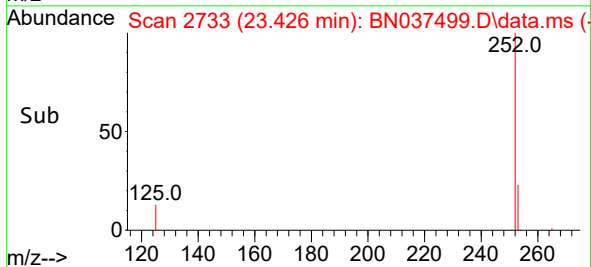
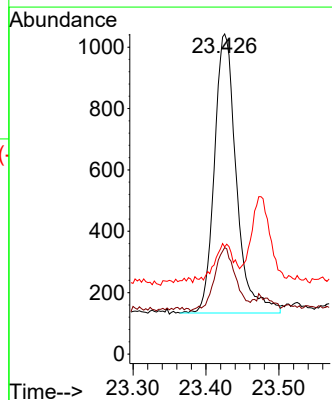
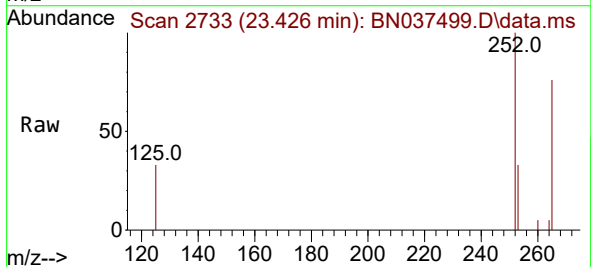


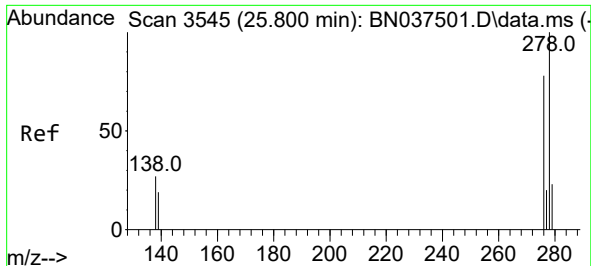
Tgt Ion:252 Resp: 2426
Ion Ratio Lower Upper
252 100
253 29.9 19.5 29.3#
125 37.7 13.1 19.7#



#39
Benzo(a)pyrene
Concen: 0.094 ng
RT: 23.426 min Scan# 2733
Delta R.T. 0.009 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:252 Resp: 1902
Ion Ratio Lower Upper
252 100
253 33.3 19.9 29.9#
125 33.5 15.2 22.8#

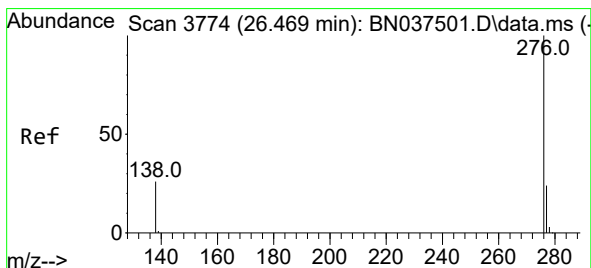
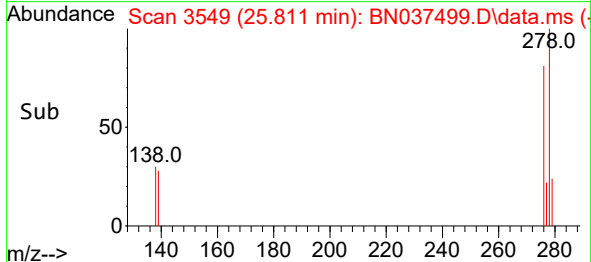
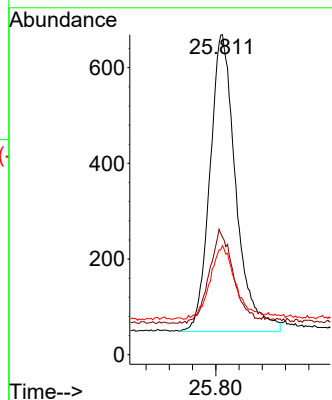
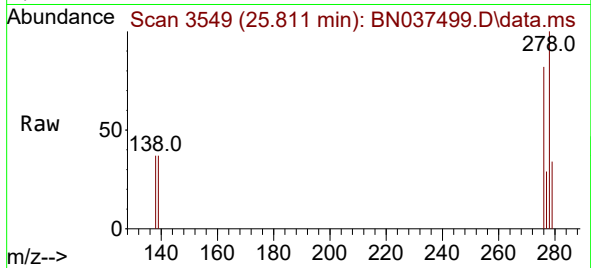




#40
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 25.811 min Scan# 31
Delta R.T. 0.012 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 1921
Ion Ratio Lower Upper
278 100
139 36.8 17.5 26.3#
279 34.1 21.3 31.9#



#41
Benzo(g,h,i)perylene
Concen: 0.089 ng
RT: 26.478 min Scan# 3777
Delta R.T. 0.009 min
Lab File: BN037499.D
Acq: 15 Jul 2025 12:36

Tgt Ion:276 Resp: 1995
Ion Ratio Lower Upper
276 100
277 30.7 20.9 31.3
138 33.7 22.6 33.8

