

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
 Data File : BN037467.D
 Acq On : 11 Jul 2025 11:10
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 11 15:25:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:17:19 2025
 Response via : Initial Calibration

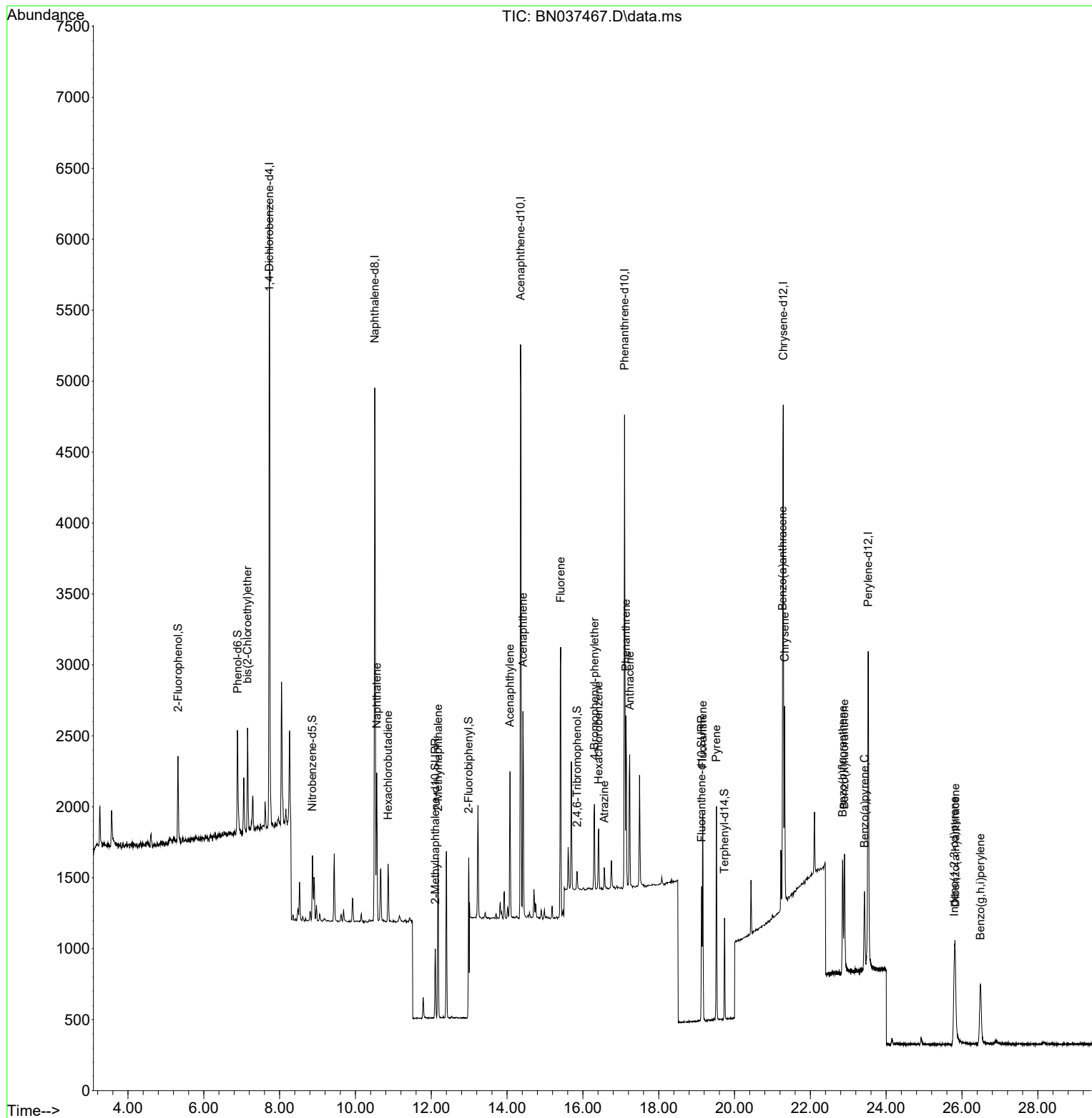
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2088	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4970	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2362	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4197	0.400	ng	0.00
29) Chrysene-d12	21.286	240	3080	0.400	ng	0.00
35) Perylene-d12	23.528	264	3076	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	491	0.101	ng	0.00
5) Phenol-d6	6.894	99	638	0.104	ng	0.00
8) Nitrobenzene-d5	8.864	82	347	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	638	0.094	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	70	0.087	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	1307	0.097	ng	0.00
27) Fluoranthene-d10	19.132	212	1003	0.095	ng	0.00
31) Terphenyl-d14	19.736	244	654	0.102	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.154	93	527	0.103	ng	99
9) Naphthalene	10.562	128	1321	0.099	ng	# 92
10) Hexachlorobutadiene	10.861	225	327	0.102	ng	# 97
12) 2-Methylnaphthalene	12.177	142	802	0.096	ng	96
16) Acenaphthylene	14.077	152	1050	0.097	ng	98
17) Acenaphthene	14.420	154	713	0.099	ng	98
18) Fluorene	15.414	166	873	0.096	ng	98
21) 4-Bromophenyl-phenylether	16.304	248	258	0.099	ng	99
22) Hexachlorobenzene	16.416	284	356	0.099	ng	98
23) Atrazine	16.565	200	124	0.095	ng	# 84
25) Phenanthrene	17.136	178	1273	0.100	ng	99
26) Anthracene	17.235	178	1069	0.093	ng	99
28) Fluoranthene	19.159	202	1314	0.094	ng	99
30) Pyrene	19.522	202	1289	0.104	ng	100
32) Benzo(a)anthracene	21.268	228	1023	0.098	ng	93
33) Chrysene	21.322	228	1172	0.103	ng	93
36) Indeno(1,2,3-cd)pyrene	25.794	276	1030	0.086	ng	97
37) Benzo(b)fluoranthene	22.853	252	1063	0.089	ng	# 83
38) Benzo(k)fluoranthene	22.899	252	1089	0.090	ng	# 74
39) Benzo(a)pyrene	23.429	252	822	0.085	ng	# 75
40) Dibenzo(a,h)anthracene	25.823	278	822	0.085	ng	# 74
41) Benzo(g,h,i)perylene	26.487	276	913	0.087	ng	# 86

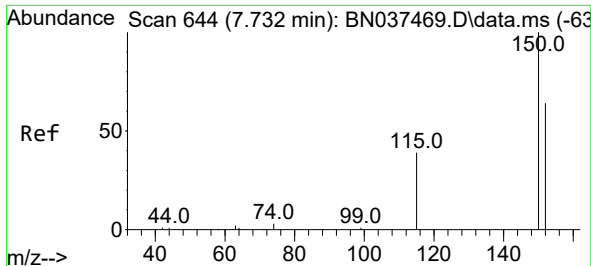
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
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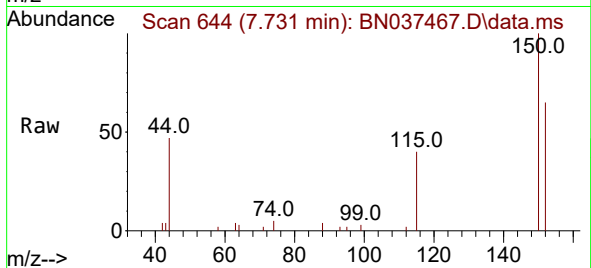
Quant Time: Jul 11 15:25:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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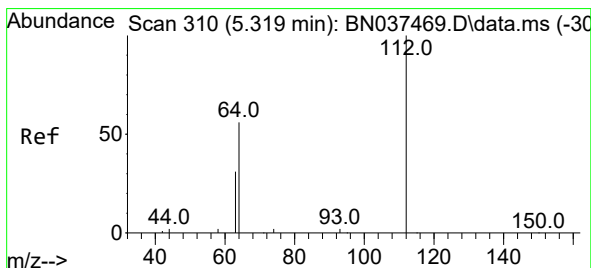
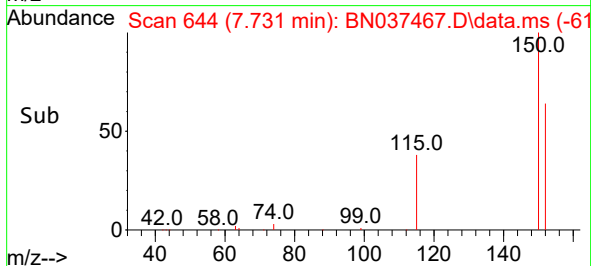
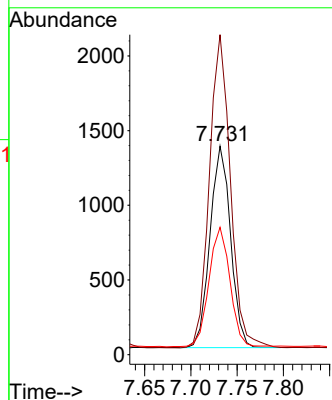


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 64
Delta R.T. -0.001 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

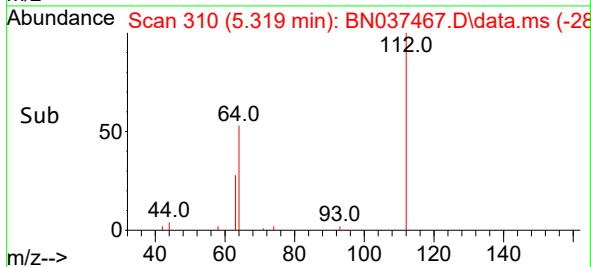
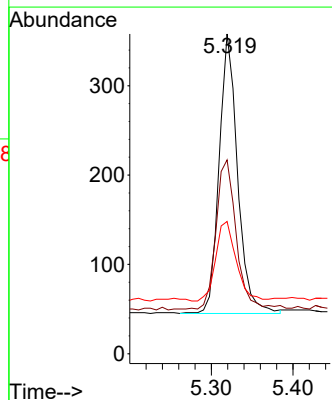
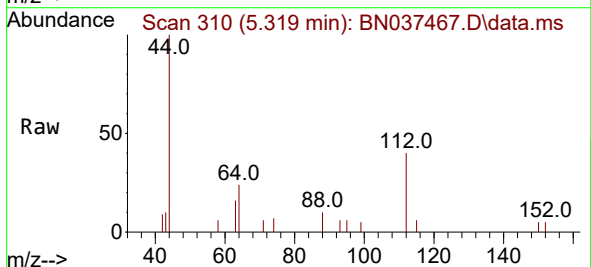


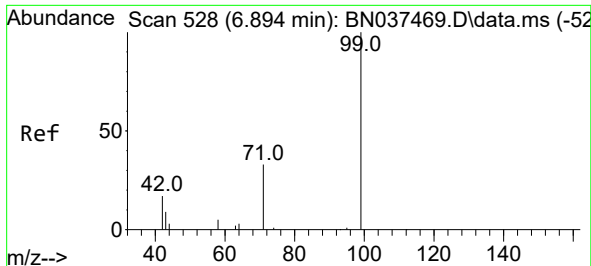
Tgt Ion:152 Resp: 2088
Ion Ratio Lower Upper
152 100
150 153.4 122.5 183.7
115 61.1 49.9 74.9



#4
2-Fluorophenol
Concen: 0.101 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:112 Resp: 491
Ion Ratio Lower Upper
112 100
64 58.2 45.4 68.0
63 32.2 24.7 37.1

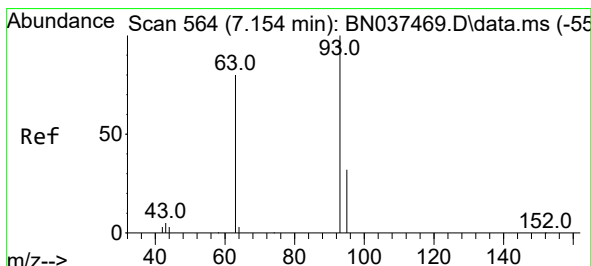
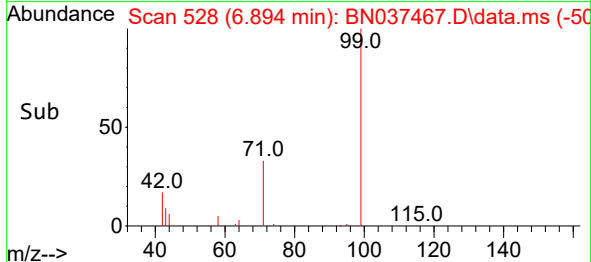
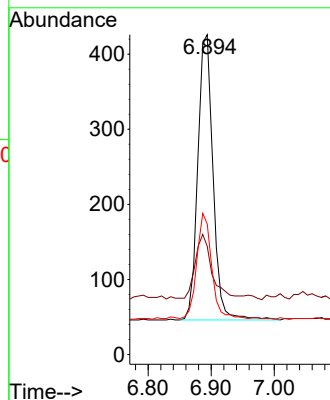
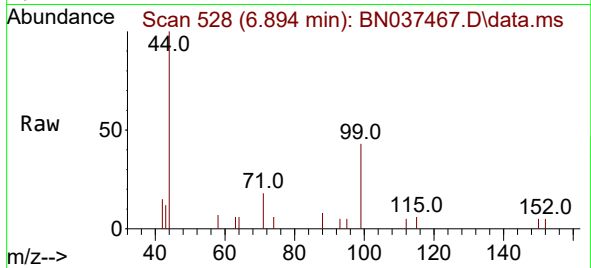




#5
Phenol-d6
Concen: 0.104 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

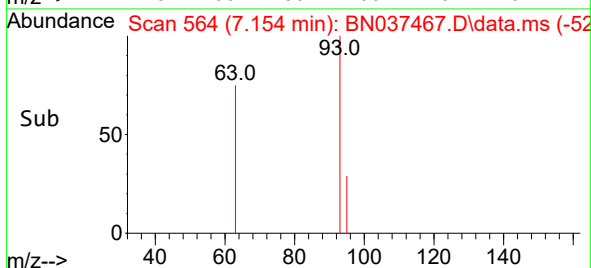
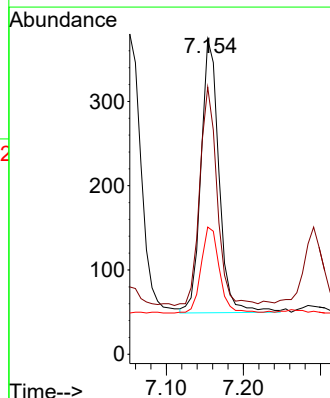
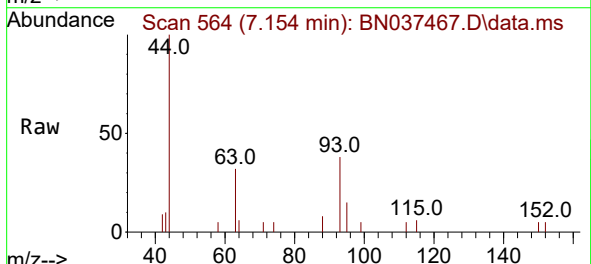
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

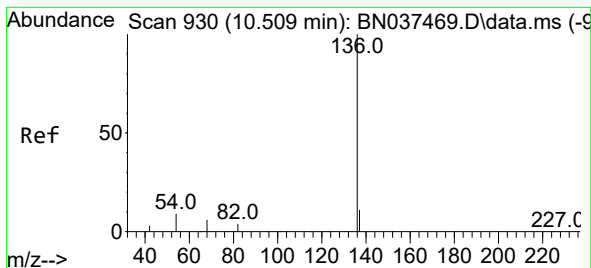
Tgt Ion:	99	Resp:	638
Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.5	29.3
71	36.1	29.4	44.2



#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:	93	Resp:	527
Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.8	91.2
95	31.9	25.6	38.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.509 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:136 Resp: 4970

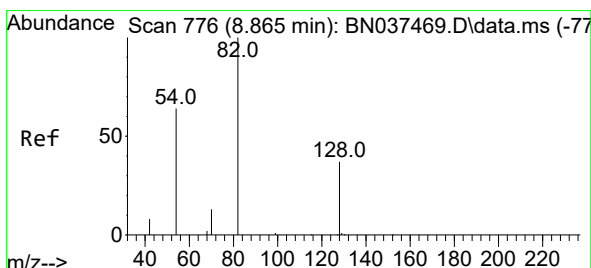
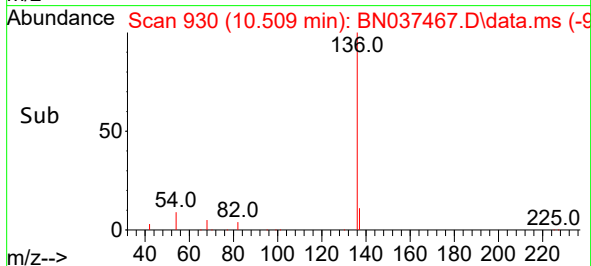
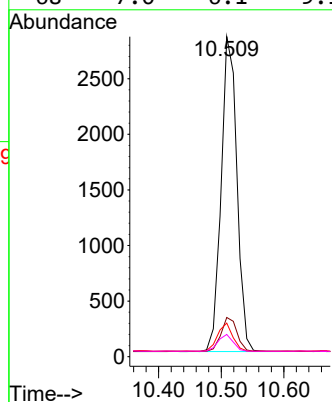
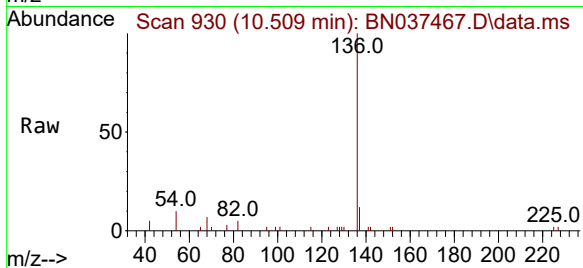
Ion Ratio Lower Upper

136 100

137 12.3 10.0 15.0

54 10.5 9.0 13.6

68 7.0 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.096 ng

RT: 8.864 min Scan# 776

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

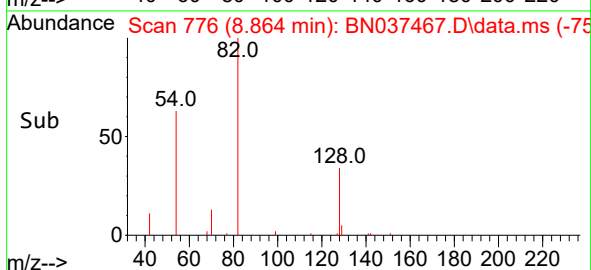
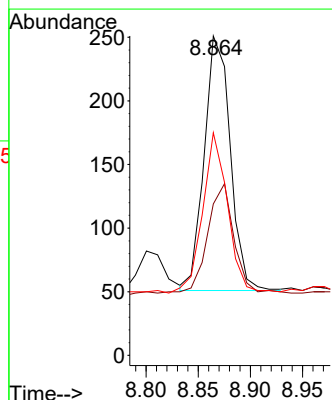
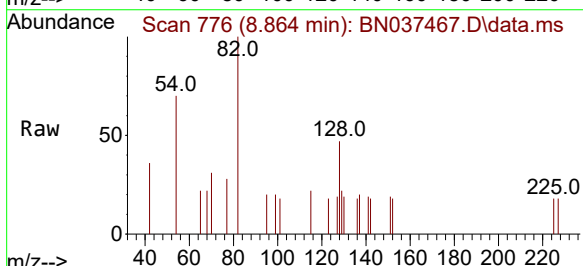
Tgt Ion: 82 Resp: 347

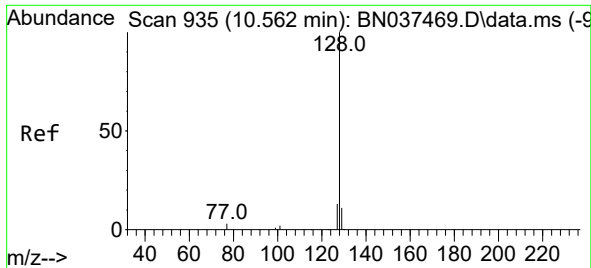
Ion Ratio Lower Upper

82 100

128 47.4 33.1 49.7

54 69.7 53.0 79.4

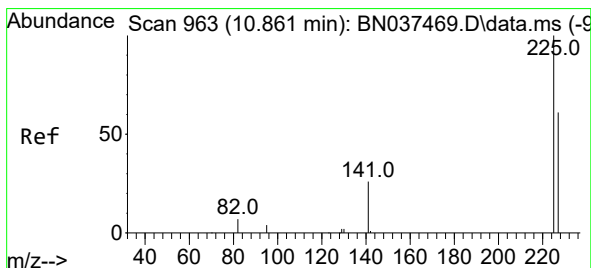
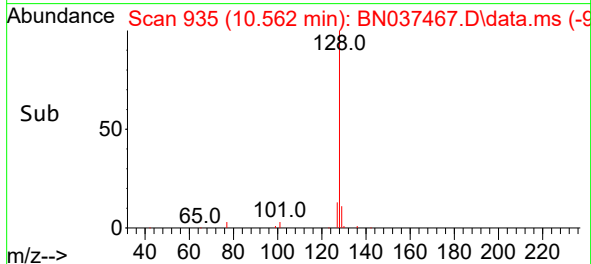
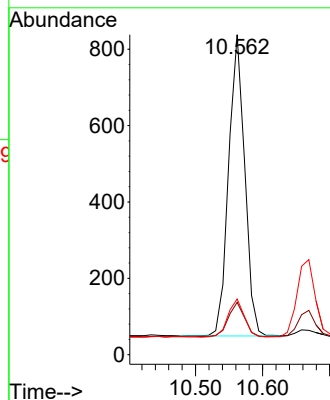
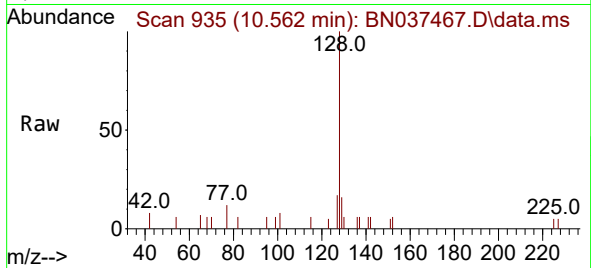




#9
Naphthalene
Concen: 0.099 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

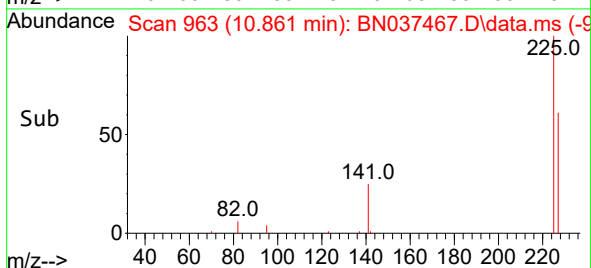
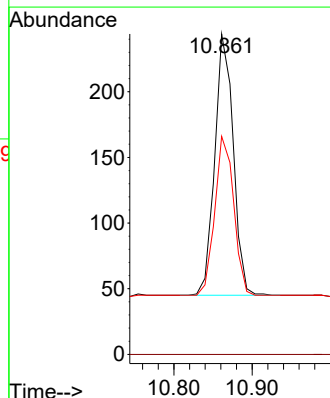
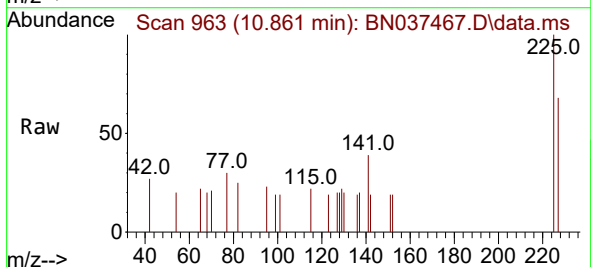
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

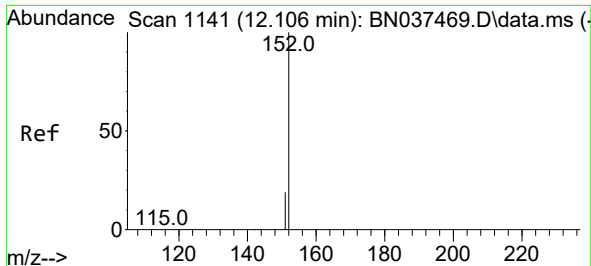
Tgt Ion:128 Resp: 1321
Ion Ratio Lower Upper
128 100
129 16.3 10.2 15.2#
127 17.4 11.8 17.6



#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:225 Resp: 327
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.1 51.4 77.2

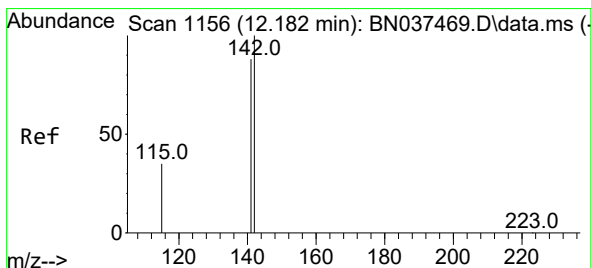
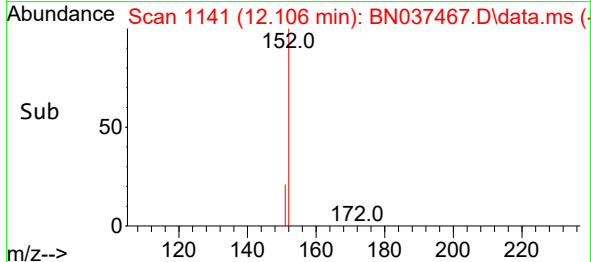
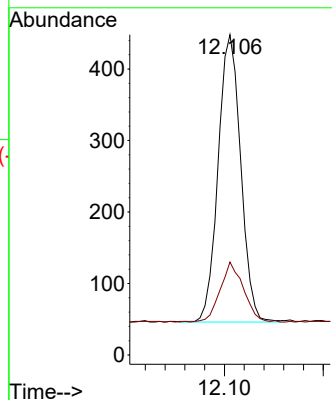
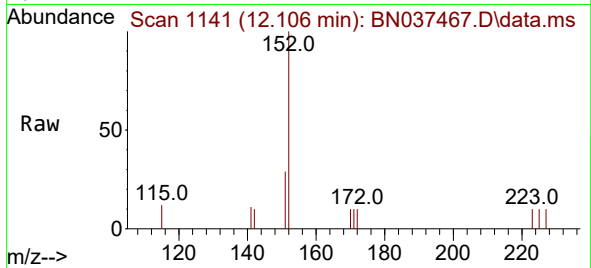




#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

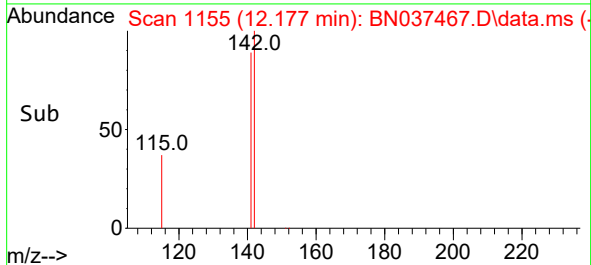
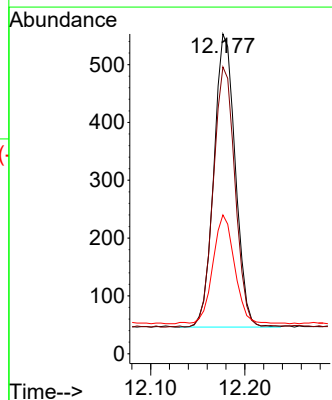
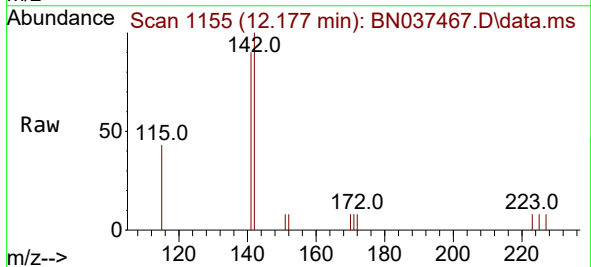
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BNA_N
ClientSampleId :
SSTDICC0.1

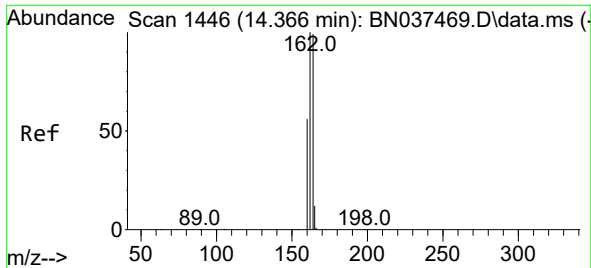
Tgt Ion:152 Resp: 638
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:142 Resp: 802
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 43.4 30.0 45.0

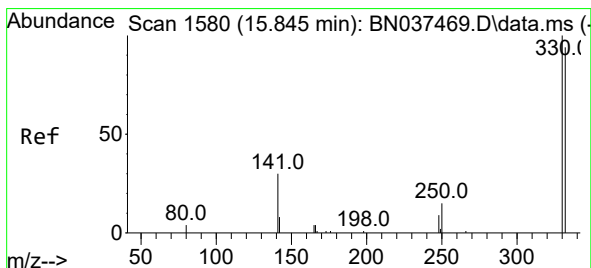
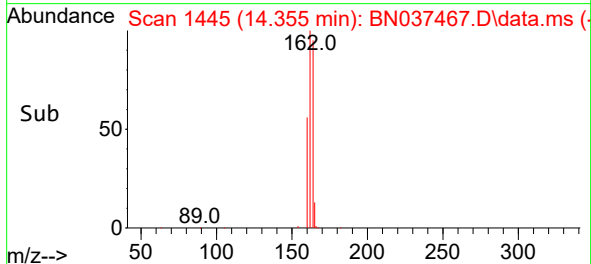
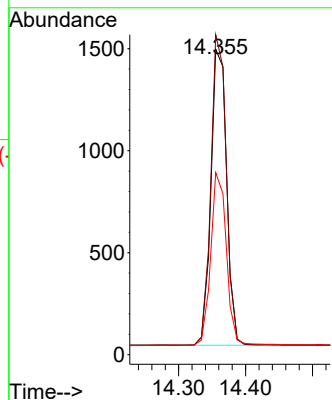
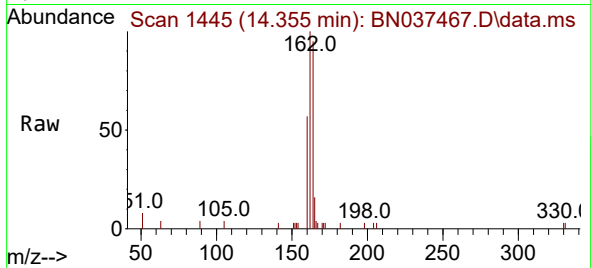




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.355 min Scan# 1445
 Delta R.T. -0.011 min
 Lab File: BN037467.D
 Acq: 11 Jul 2025 11:10

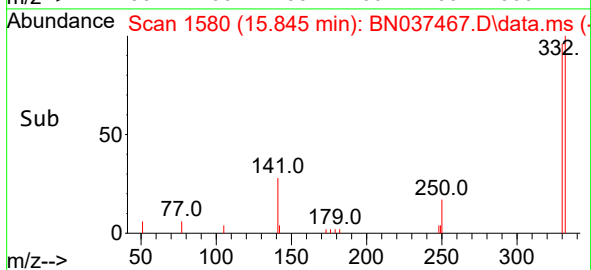
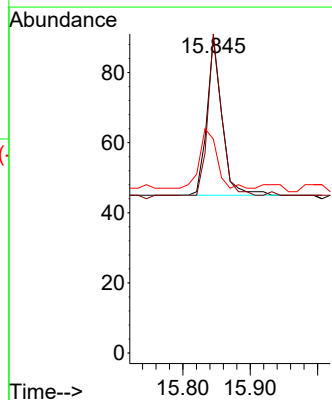
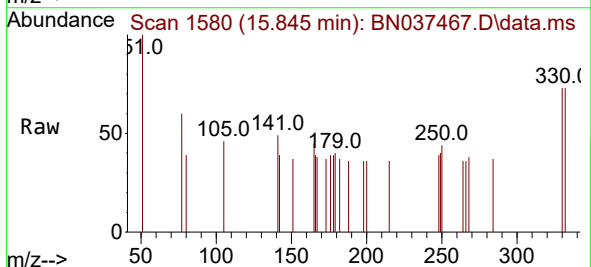
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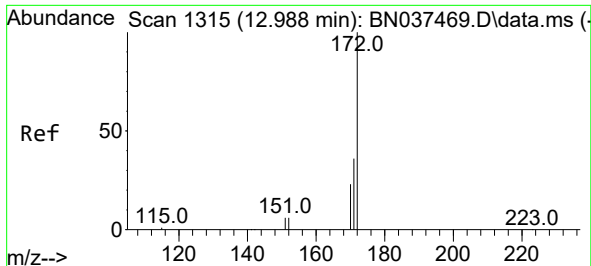
Tgt Ion:164 Resp: 2362
 Ion Ratio Lower Upper
 164 100
 162 104.7 81.1 121.7
 160 59.6 46.5 69.7



#14
 2,4,6-Tribromophenol
 Concen: 0.087 ng
 RT: 15.845 min Scan# 1580
 Delta R.T. -0.000 min
 Lab File: BN037467.D
 Acq: 11 Jul 2025 11:10

Tgt Ion:330 Resp: 70
 Ion Ratio Lower Upper
 330 100
 332 92.9 82.0 123.0
 141 47.1 36.2 54.2

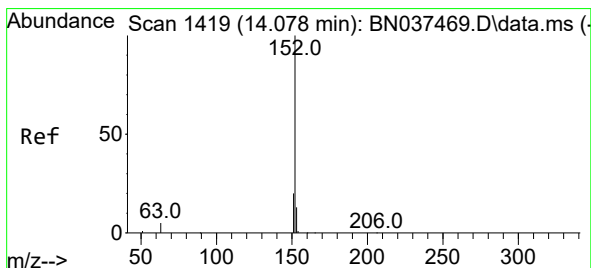
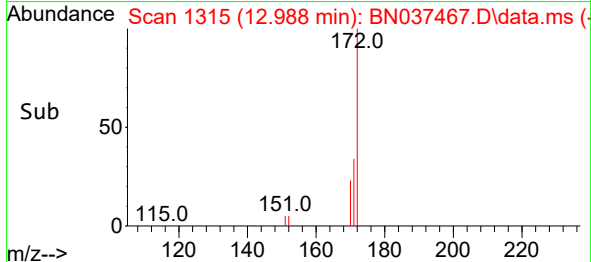
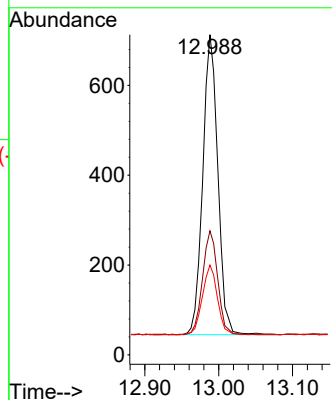
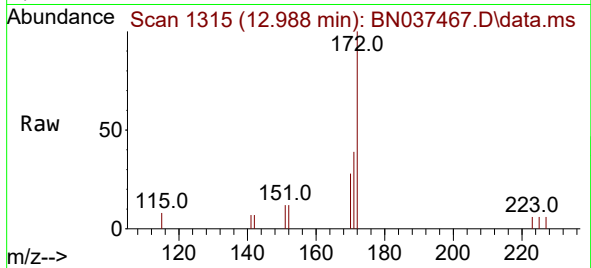




#15
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.988 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

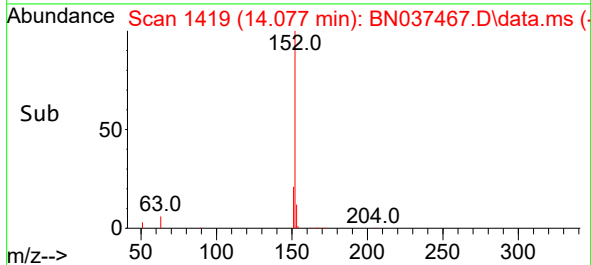
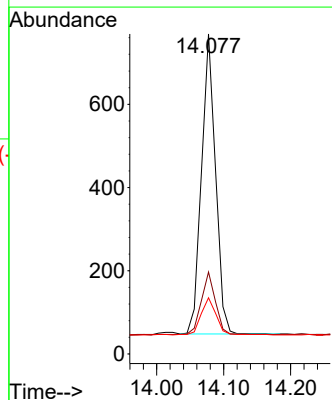
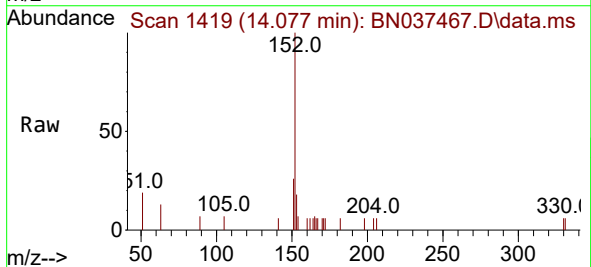
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ClientSampleId :
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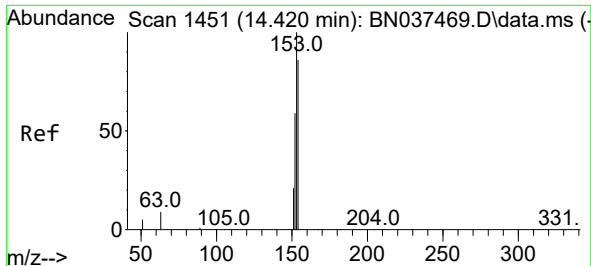
Tgt Ion:172 Resp: 1307
Ion Ratio Lower Upper
172 100
171 38.7 29.8 44.8
170 28.1 20.0 30.0



#16
Acenaphthylene
Concen: 0.097 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:152 Resp: 1050
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 13.1 10.6 15.8

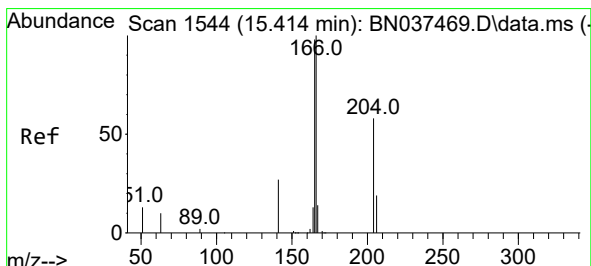
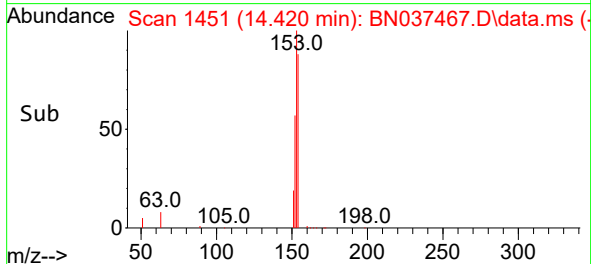
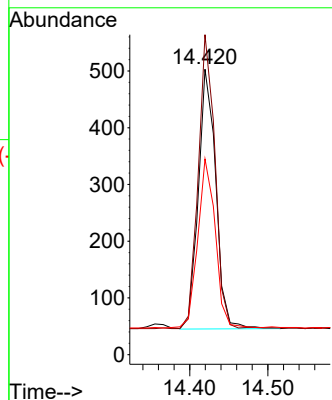
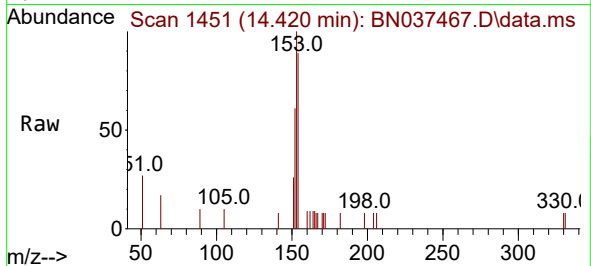




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

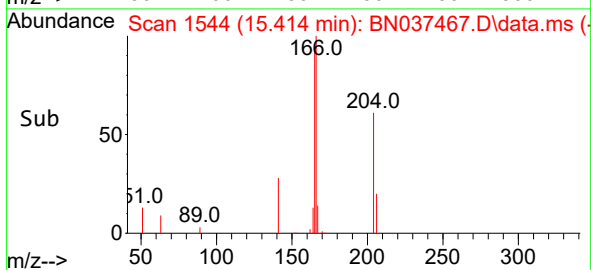
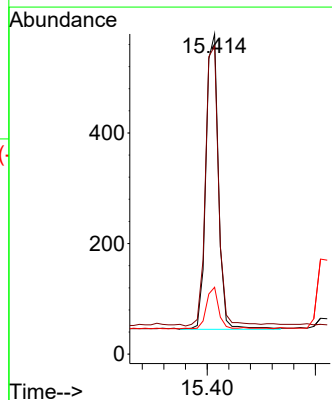
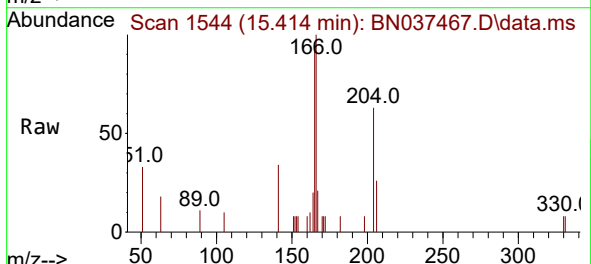
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

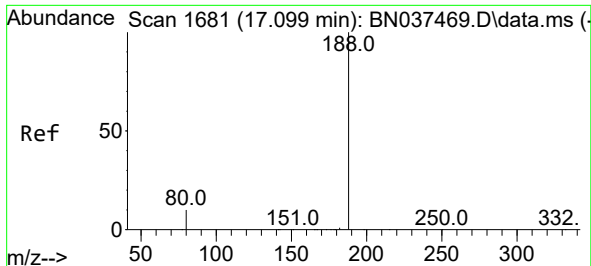
Tgt Ion:154 Resp: 713
Ion Ratio Lower Upper
154 100
153 108.7 89.4 134.0
152 65.4 53.2 79.8



#18
Fluorene
Concen: 0.096 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:166 Resp: 873
Ion Ratio Lower Upper
166 100
165 97.0 79.4 119.2
167 13.3 10.6 15.8

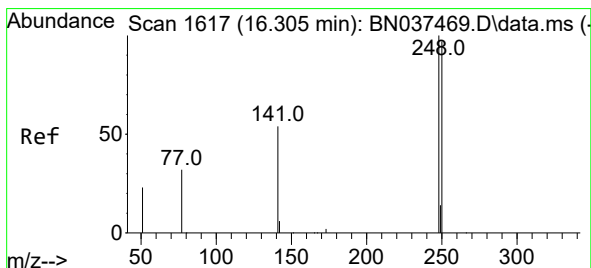
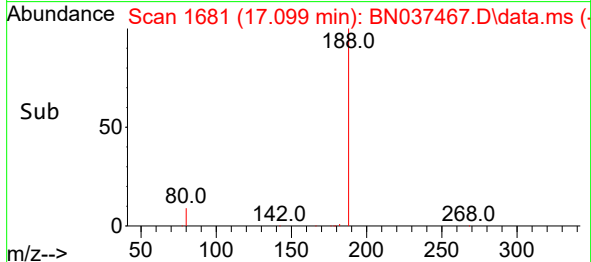
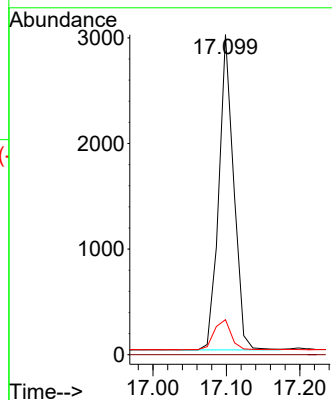
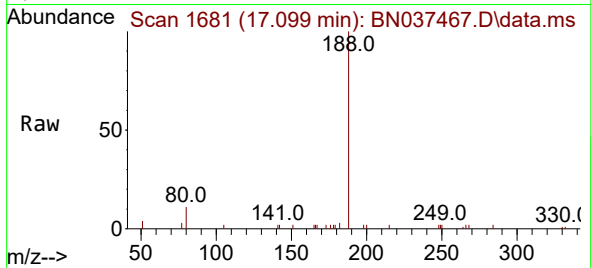




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

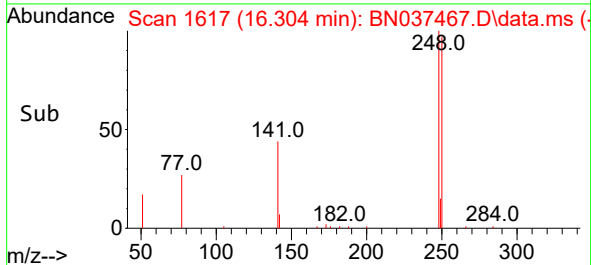
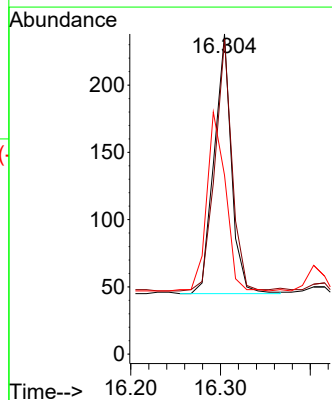
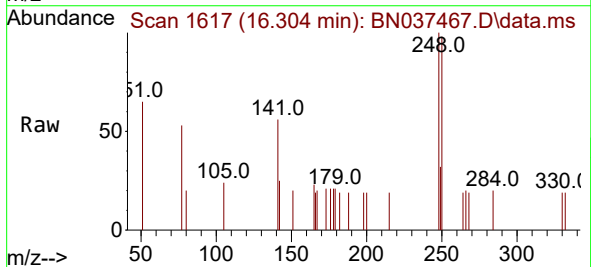
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

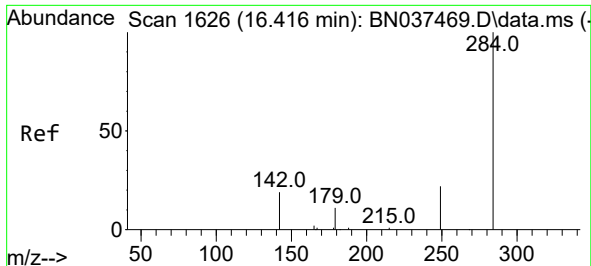
Tgt Ion:188 Resp: 4197
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 9.3 13.9



#21
4-Bromophenyl-phenylether
Concen: 0.099 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:248 Resp: 258
Ion Ratio Lower Upper
248 100
250 98.3 77.8 116.6
141 55.9 45.9 68.9

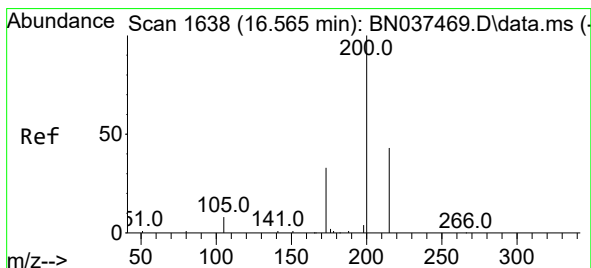
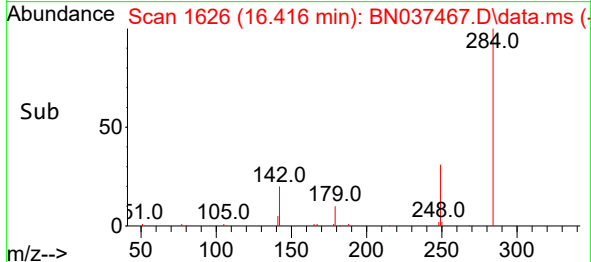
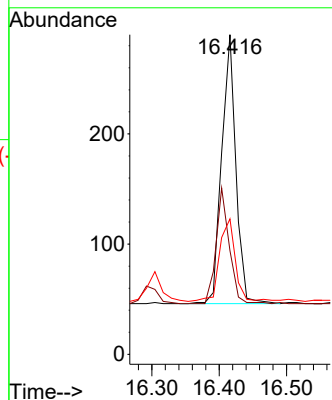
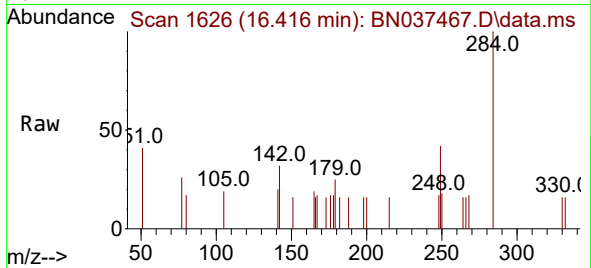




#22
Hexachlorobenzene
Concen: 0.099 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

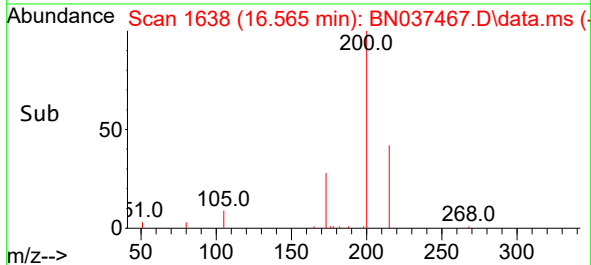
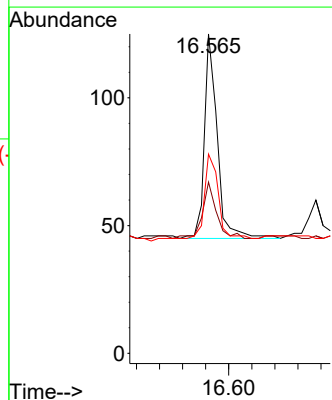
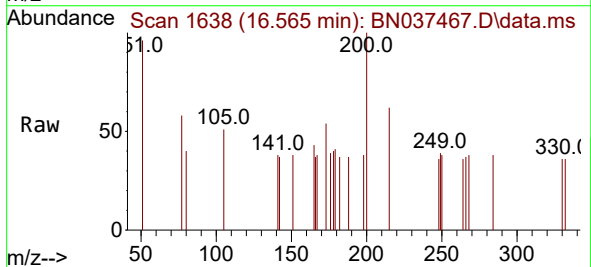
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

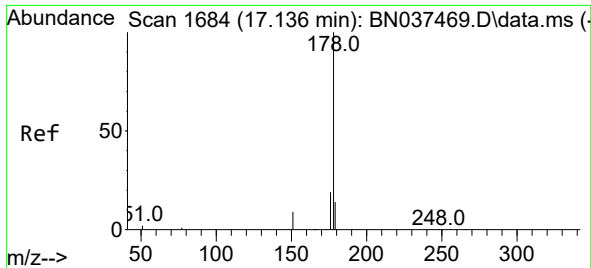
Tgt Ion:284 Resp: 356
Ion Ratio Lower Upper
284 100
142 40.2 31.3 46.9
249 34.6 26.6 40.0



#23
Atrazine
Concen: 0.095 ng
RT: 16.565 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:200 Resp: 124
Ion Ratio Lower Upper
200 100
173 53.6 34.3 51.5#
215 62.4 41.6 62.4

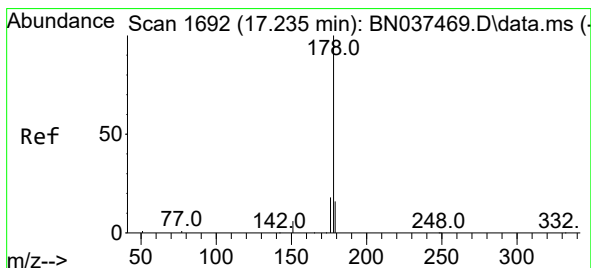
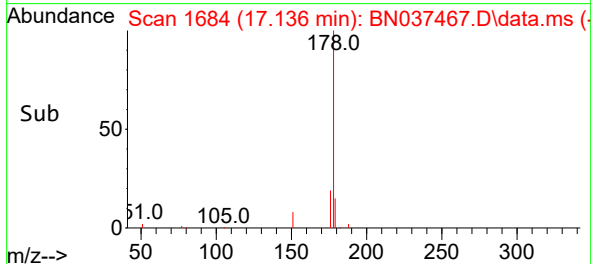
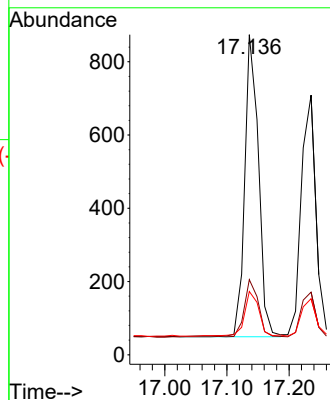
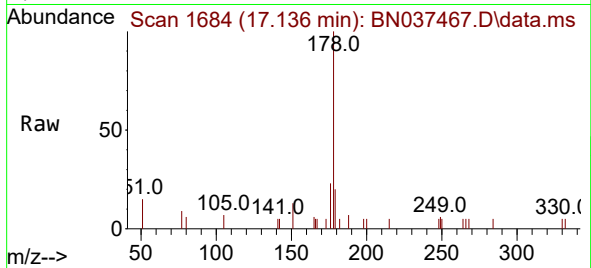




#25
Phenanthrene
Concen: 0.100 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

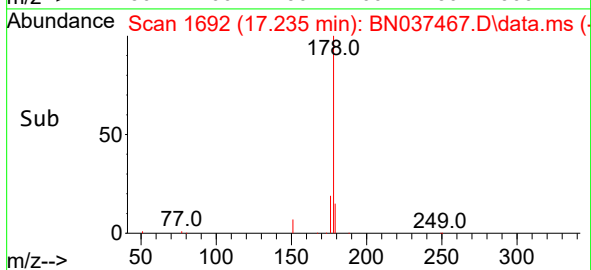
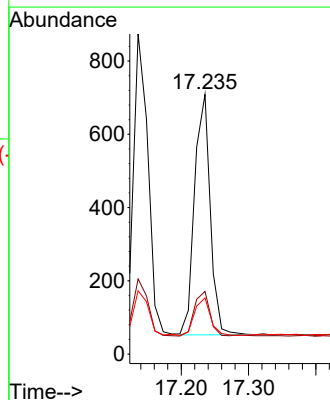
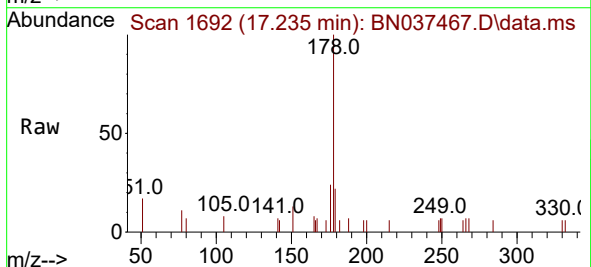
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

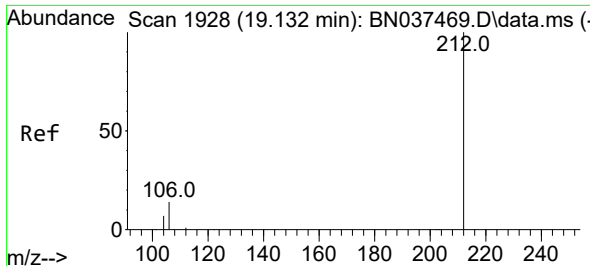
Tgt Ion:178 Resp: 1273
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.7 12.2 18.2



#26
Anthracene
Concen: 0.093 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:178 Resp: 1069
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.6 12.3 18.5

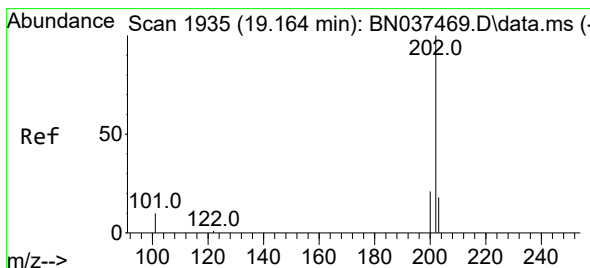
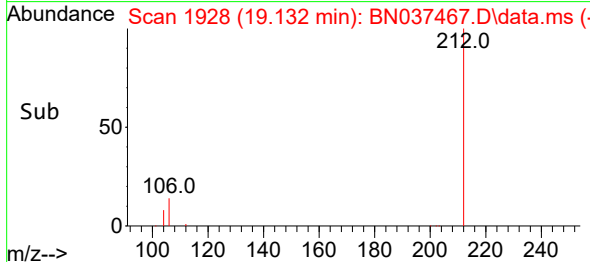
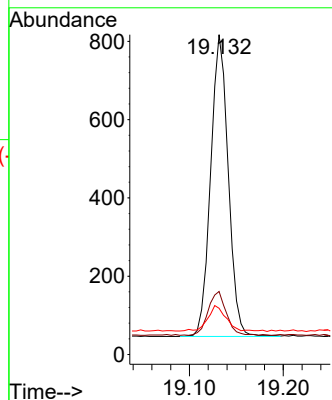
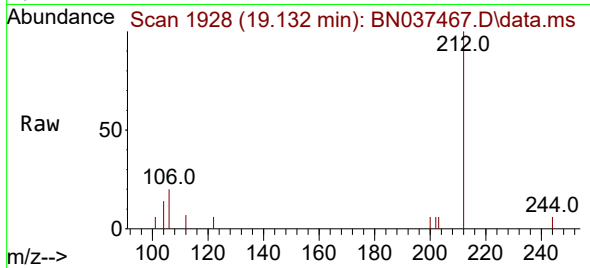




#27
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.132 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

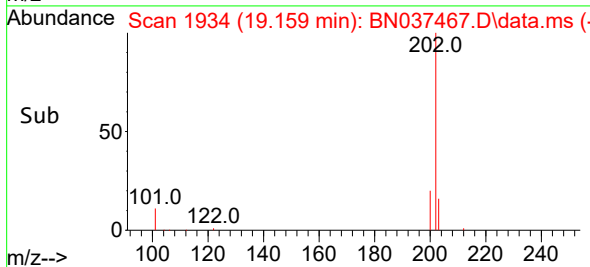
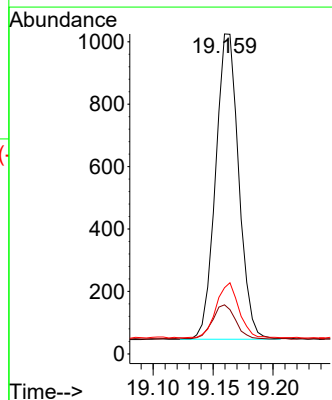
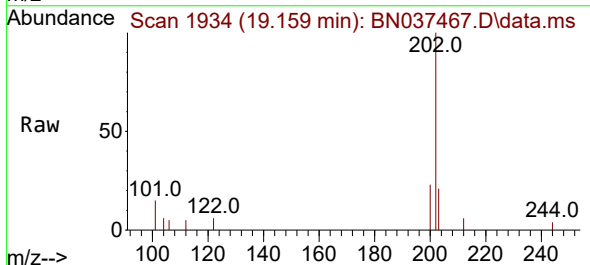
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

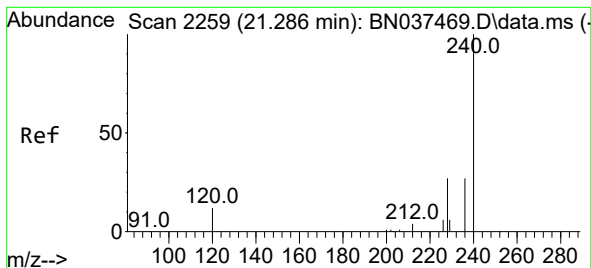
Tgt Ion:212 Resp: 1003
Ion Ratio Lower Upper
212 100
106 14.9 11.7 17.5
104 9.2 6.6 10.0



#28
Fluoranthene
Concen: 0.094 ng
RT: 19.159 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:202 Resp: 1314
Ion Ratio Lower Upper
202 100
101 11.1 9.2 13.8
203 17.8 14.0 21.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

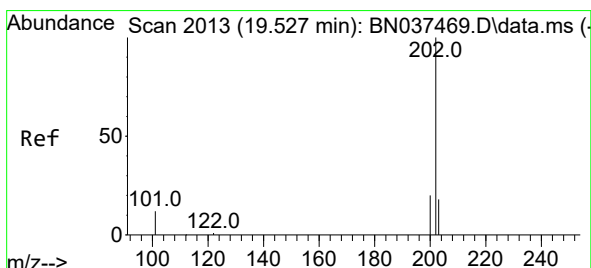
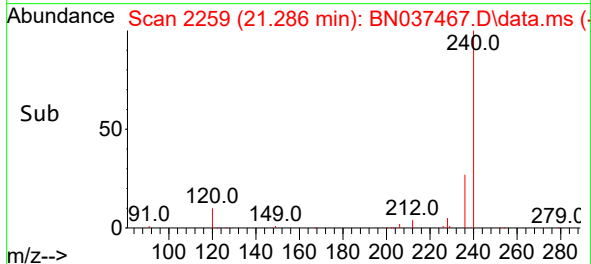
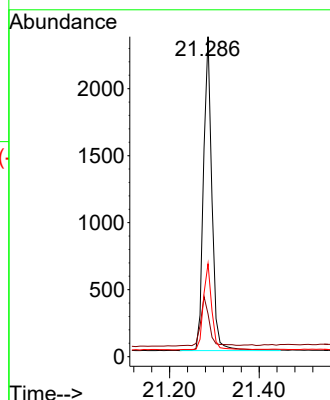
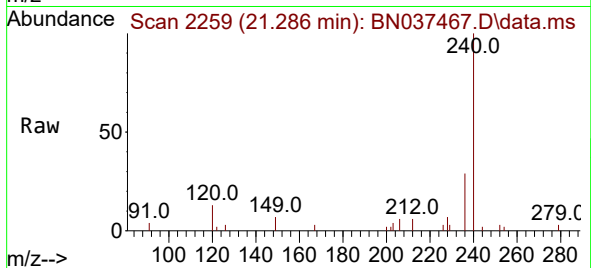
Tgt Ion:240 Resp: 3080

Ion Ratio Lower Upper

240 100

120 13.3 12.4 18.6

236 29.1 22.9 34.3



#30

Pyrene

Concen: 0.104 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.005 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

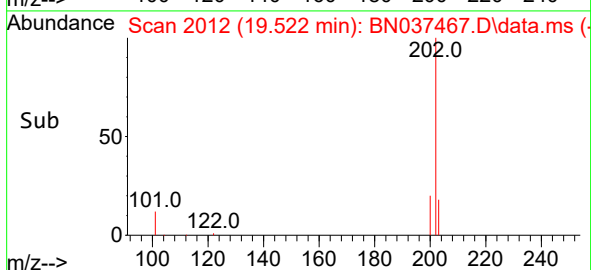
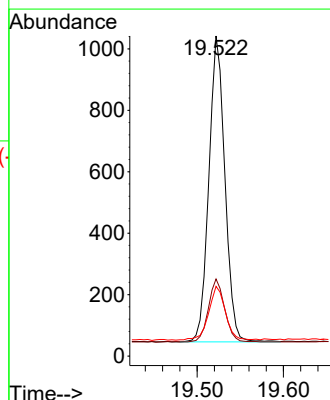
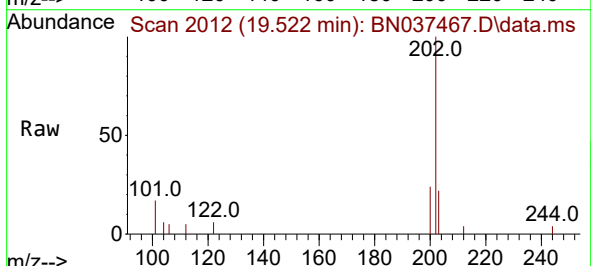
Tgt Ion:202 Resp: 1289

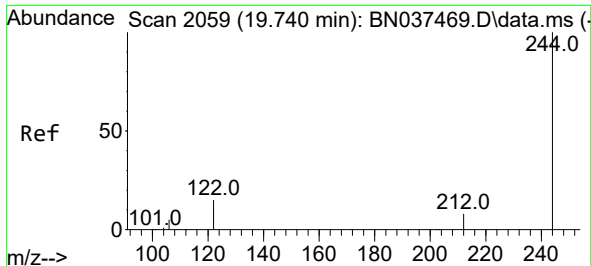
Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

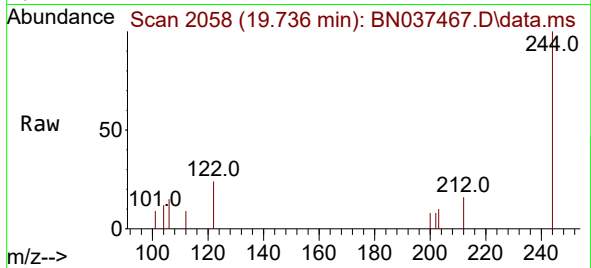
203 18.2 14.3 21.5



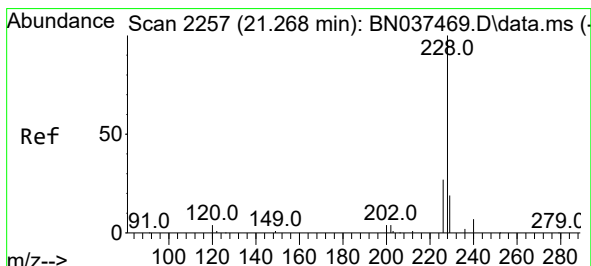
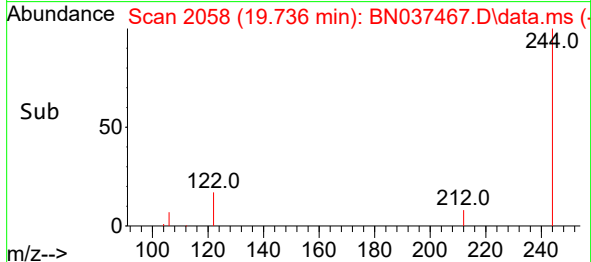
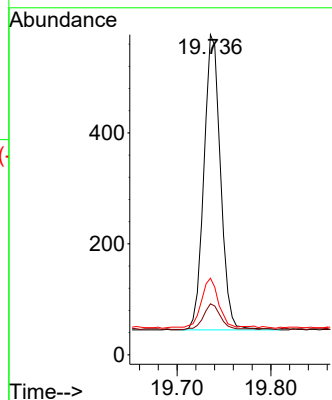


#31
 Terphenyl-d14
 Concen: 0.102 ng
 RT: 19.736 min Scan# 2058
 Delta R.T. -0.005 min
 Lab File: BN037467.D
 Acq: 11 Jul 2025 11:10

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

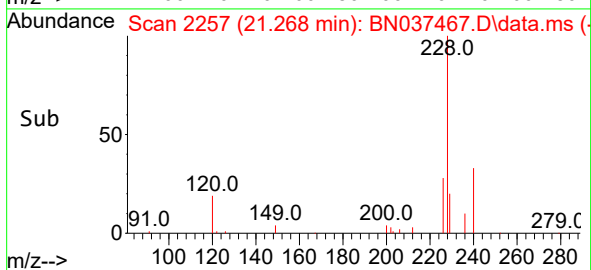
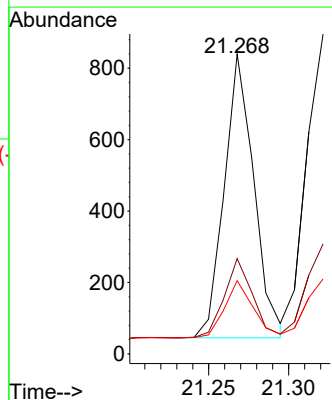
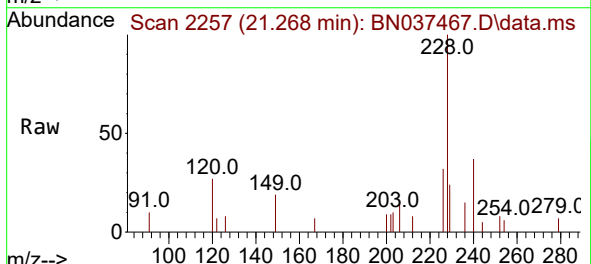


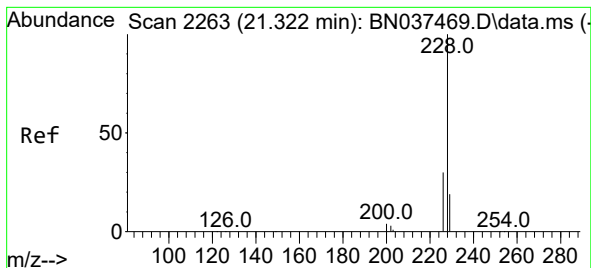
Tgt Ion:244 Resp: 654
 Ion Ratio Lower Upper
 244 100
 212 15.9 8.7 13.1#
 122 23.9 14.1 21.1#



#32
 Benzo(a)anthracene
 Concen: 0.098 ng
 RT: 21.268 min Scan# 2257
 Delta R.T. -0.000 min
 Lab File: BN037467.D
 Acq: 11 Jul 2025 11:10

Tgt Ion:228 Resp: 1023
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.7 34.1
 229 24.4 16.6 24.8





#33

Chrysene

Concen: 0.103 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

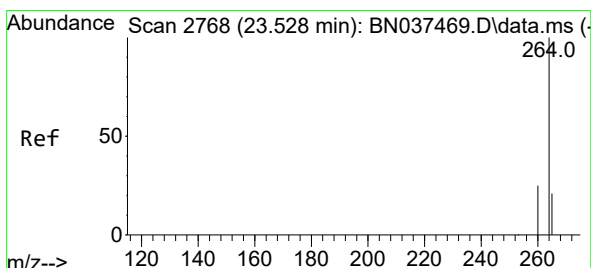
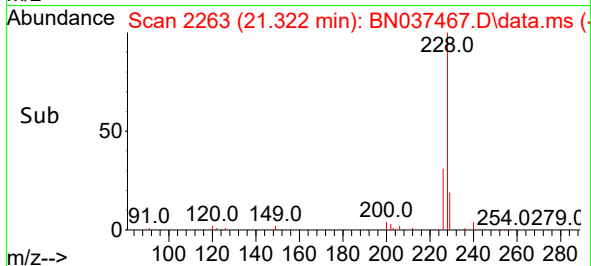
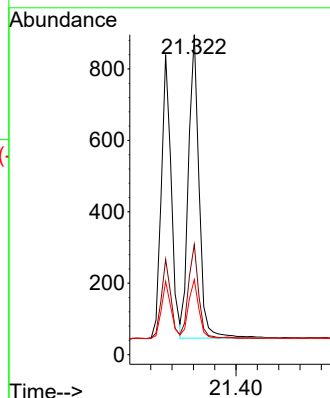
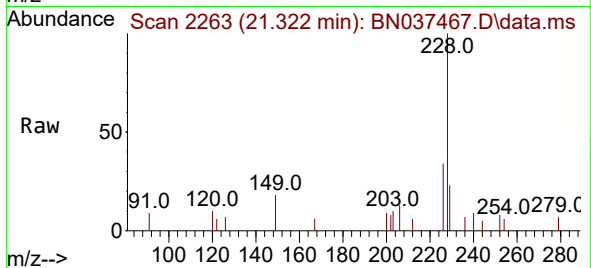
Tgt Ion:228 Resp: 1172

Ion Ratio Lower Upper

228 100

226 34.4 24.6 36.8

229 23.4 16.4 24.6



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.528 min Scan# 2768

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

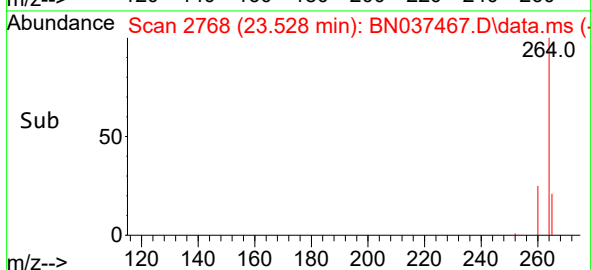
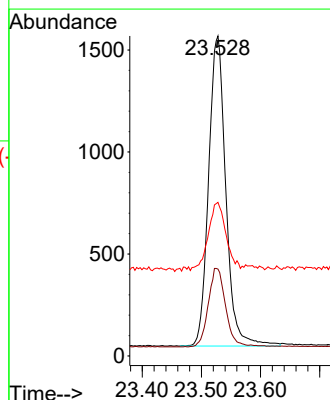
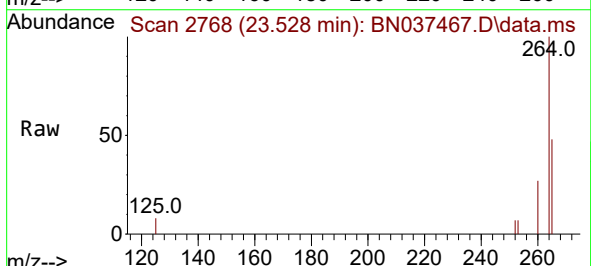
Tgt Ion:264 Resp: 3076

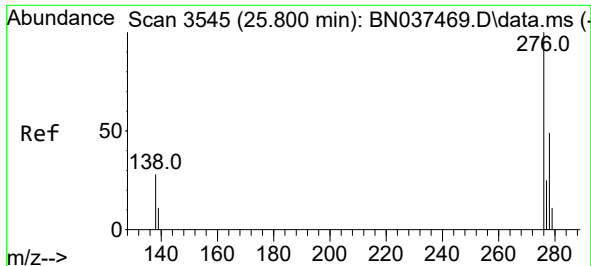
Ion Ratio Lower Upper

264 100

260 27.2 21.7 32.5

265 48.0 41.6 62.4

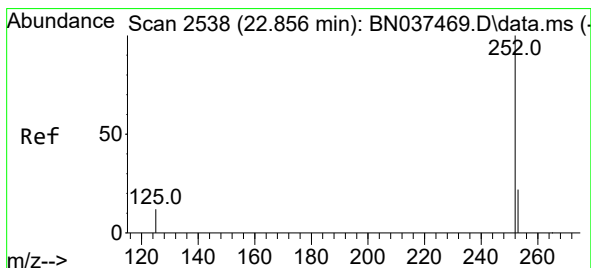
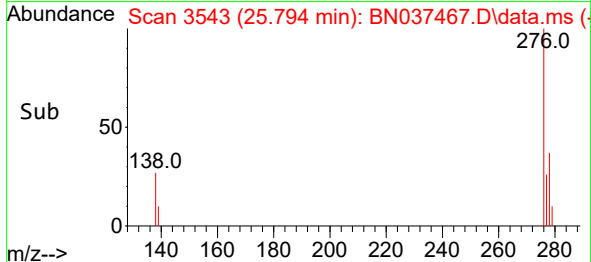
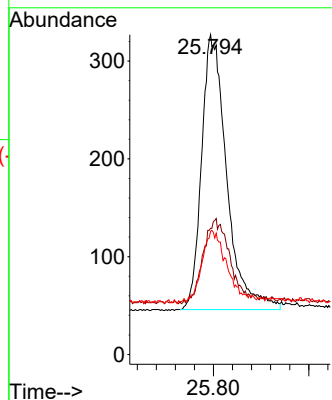
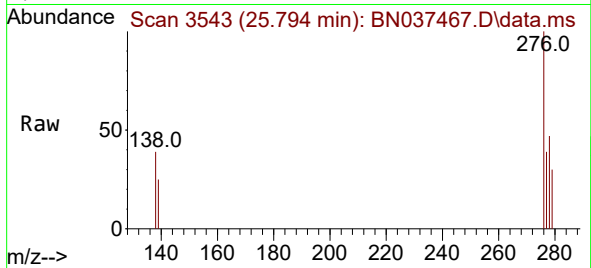




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 25.794 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

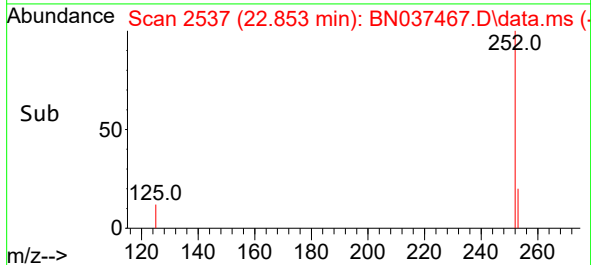
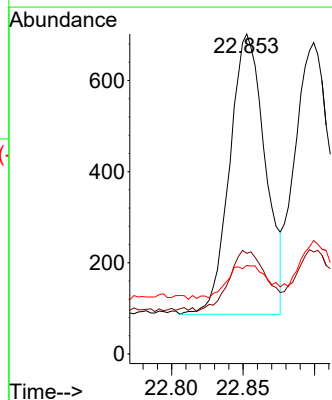
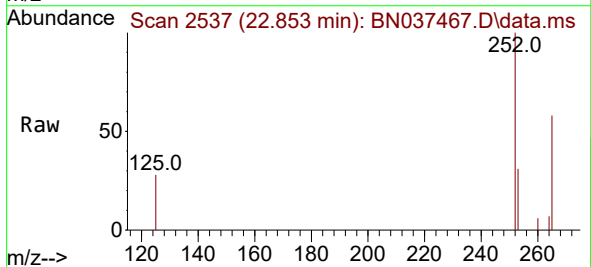
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

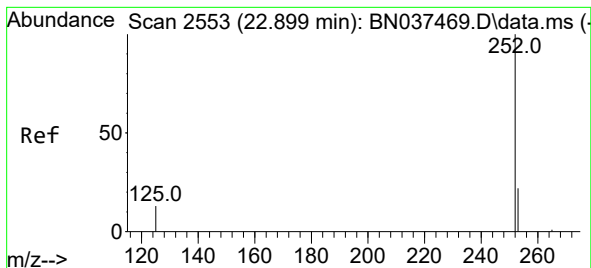
Tgt Ion:276 Resp: 1030
Ion Ratio Lower Upper
276 100
138 31.7 23.4 35.2
277 25.0 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.853 min Scan# 2537
Delta R.T. -0.003 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:252 Resp: 1063
Ion Ratio Lower Upper
252 100
253 31.5 20.1 30.1#
125 27.6 13.7 20.5#





#38

Benzo(k)fluoranthene

Concen: 0.090 ng

RT: 22.899 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

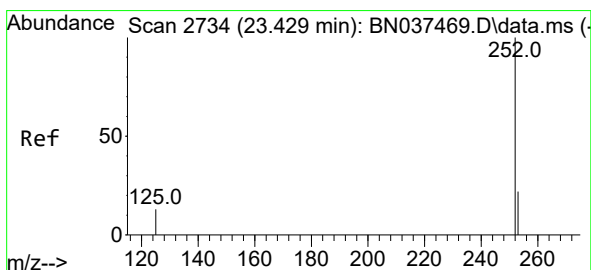
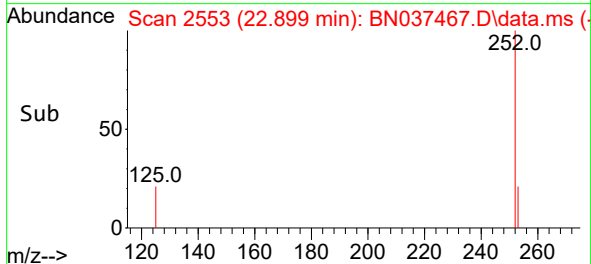
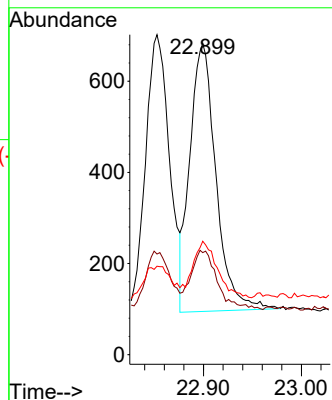
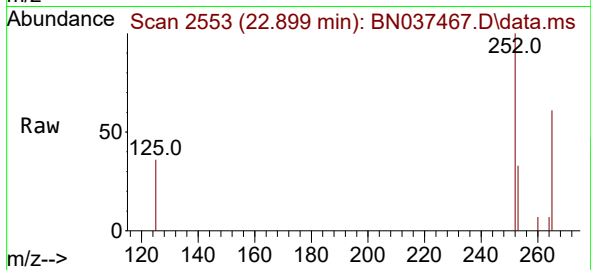
Tgt Ion:252 Resp: 1089

Ion Ratio Lower Upper

252 100

253 32.8 20.4 30.6#

125 36.5 14.6 21.8#



#39

Benzo(a)pyrene

Concen: 0.085 ng

RT: 23.429 min Scan# 2734

Delta R.T. -0.000 min

Lab File: BN037467.D

Acq: 11 Jul 2025 11:10

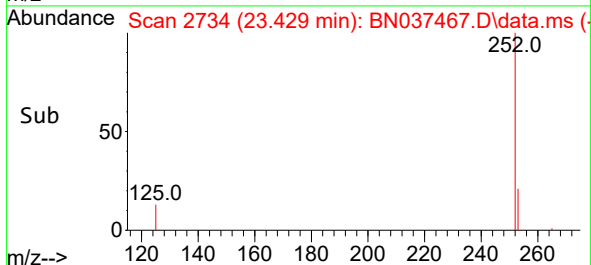
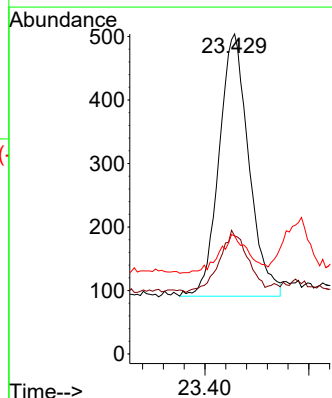
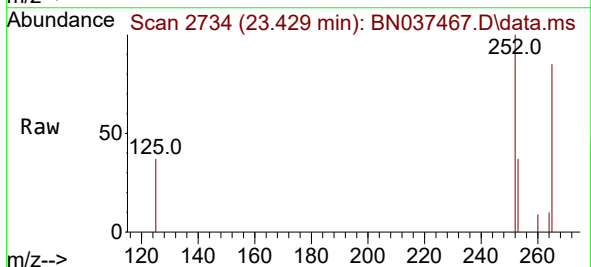
Tgt Ion:252 Resp: 822

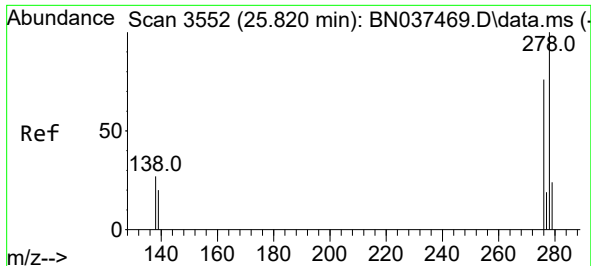
Ion Ratio Lower Upper

252 100

253 36.9 21.8 32.6#

125 36.9 16.7 25.1#

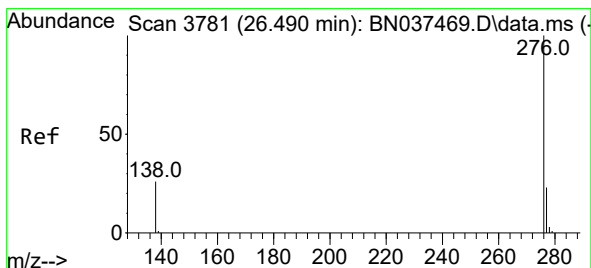
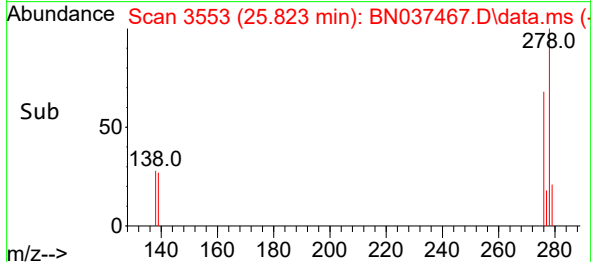
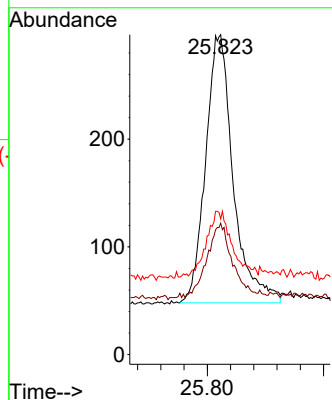
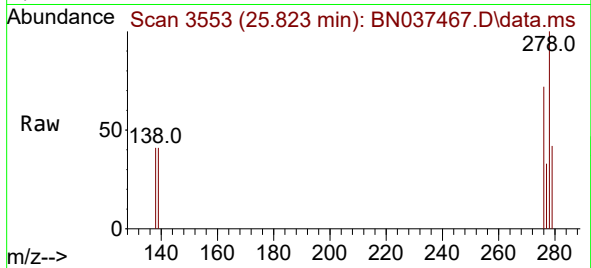




#40
Dibenzo(a,h)anthracene
Concen: 0.085 ng
RT: 25.823 min Scan# 3553
Delta R.T. 0.003 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 822
Ion Ratio Lower Upper
278 100
139 41.1 19.9 29.9#
279 42.4 24.8 37.2#



#41
Benzo(g,h,i)perylene
Concen: 0.087 ng
RT: 26.487 min Scan# 3780
Delta R.T. -0.003 min
Lab File: BN037467.D
Acq: 11 Jul 2025 11:10

Tgt Ion:276 Resp: 913
Ion Ratio Lower Upper
276 100
277 35.9 21.7 32.5#
138 36.8 24.3 36.5#

