

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062625\
 Data File : BN037405.D
 Acq On : 26 Jun 2025 22:50
 Operator : RC/JU
 Sample : Q2372-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAV1W

Quant Time: Jun 27 03:01:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 26 16:06:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

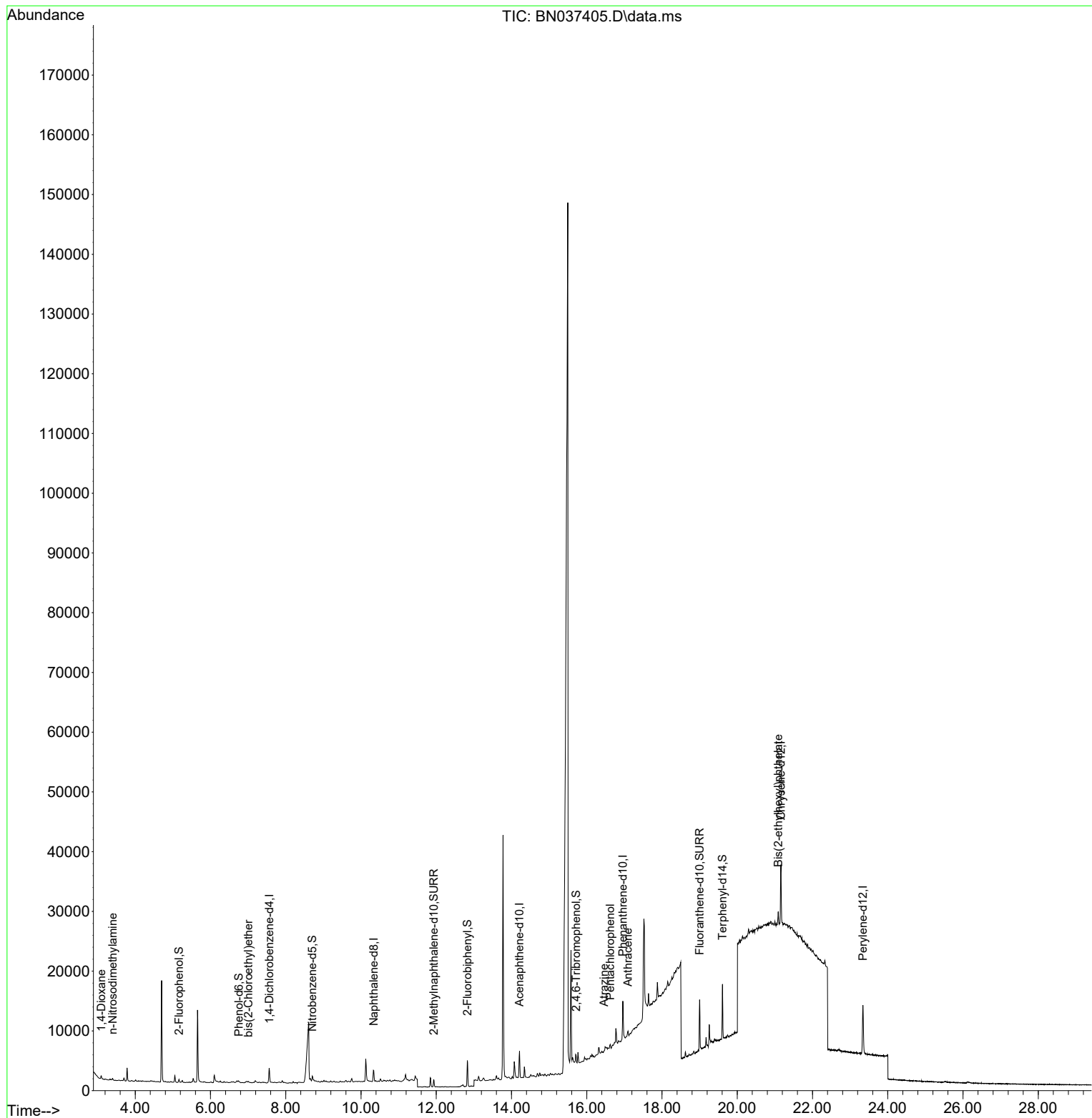
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	1177	0.400	ng	0.00
7) Naphthalene-d8	10.340	136	2747	0.400	ng	# 0.00
13) Acenaphthene-d10	14.213	164	2584	0.400	ng	0.00
19) Phenanthrene-d10	16.959	188	8148	0.400	ng	# 0.00
29) Chrysene-d12	21.162	240	9805	0.400	ng	# 0.00
35) Perylene-d12	23.339	264	9788	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.163	112	407	0.179	ng	0.00
5) Phenol-d6	6.752	99	267	0.114	ng	0.00
8) Nitrobenzene-d5	8.707	82	815	0.370	ng	-0.01
11) 2-Methylnaphthalene-d10	11.935	152	1675	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	851	0.561	ng	0.00
15) 2-Fluorobiphenyl	12.828	172	3801	0.341	ng	0.00
27) Fluoranthene-d10	18.998	212	10045	0.430	ng	0.00
31) Terphenyl-d14	19.607	244	8775	0.420	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.097	88	239	0.214	ng	# 1
3) n-Nitrosodimethylamine	3.400	42	78	0.071	ng	# 9
6) bis(2-Chloroethyl)ether	7.004	93	276	0.132	ng	# 33
23) Atrazine	16.462	200	112	0.025	ng	# 1
24) Pentachlorophenol	16.624	266	357	0.107	ng	97
26) Anthracene	17.095	178	849	0.040	ng	# 61
34) Bis(2-ethylhexyl)phtha...	21.090	149	1986	0.163	ng	99

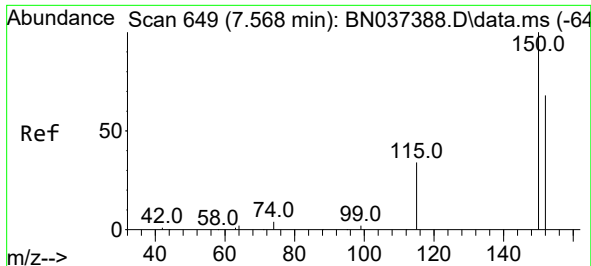
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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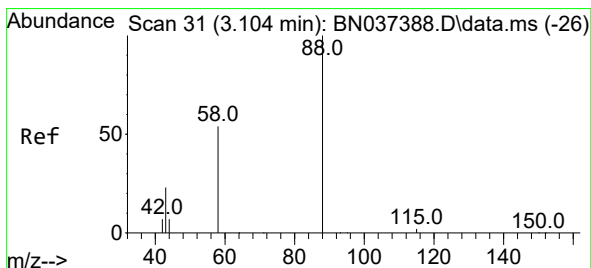
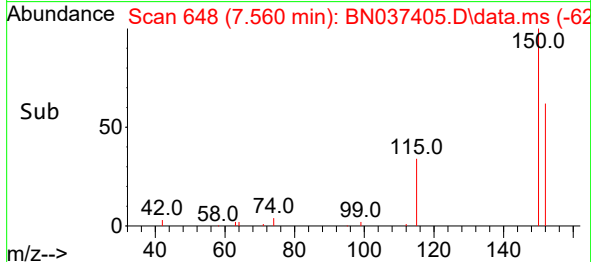
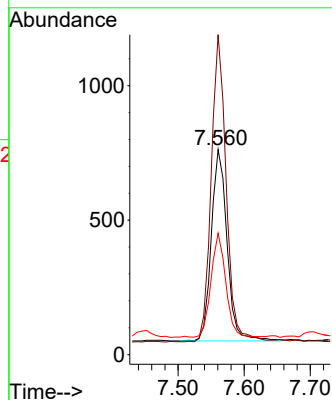
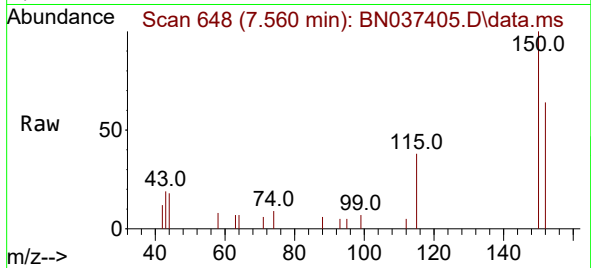




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.560 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

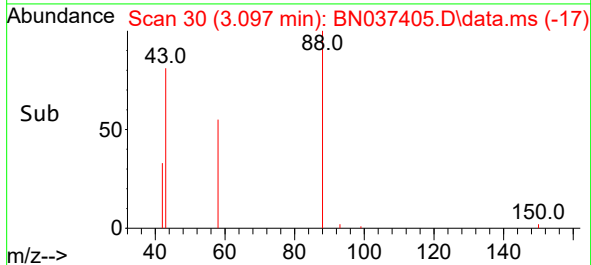
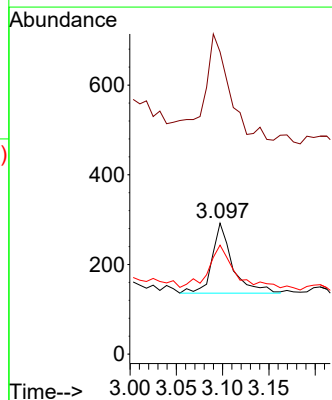
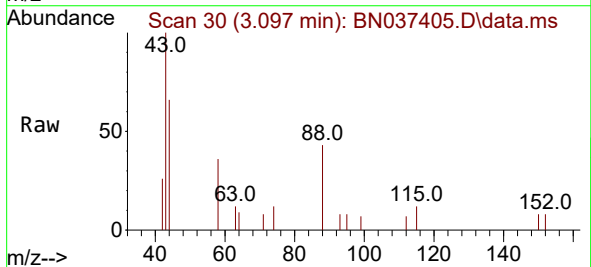
Instrument :
BNA_N
ClientSampleId :
GAV1W

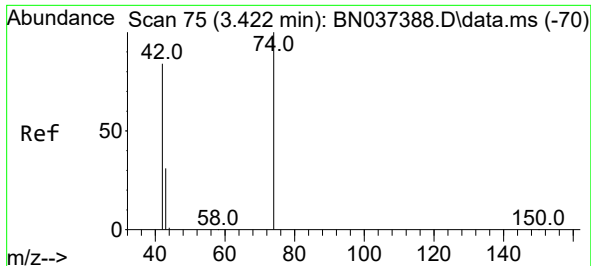
Tgt Ion:152 Resp: 1177
Ion Ratio Lower Upper
152 100
150 156.0 116.2 174.2
115 59.2 42.9 64.3



#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.097 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 169.0 21.6 32.4#
58 74.5 45.9 68.9#

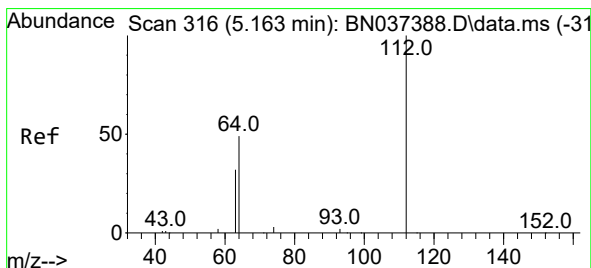
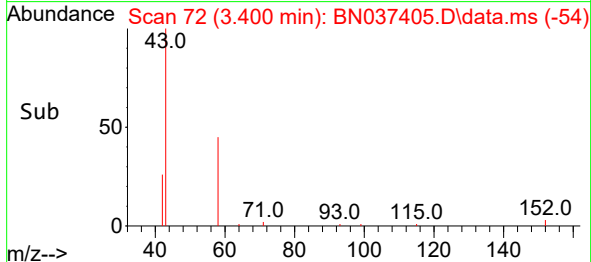
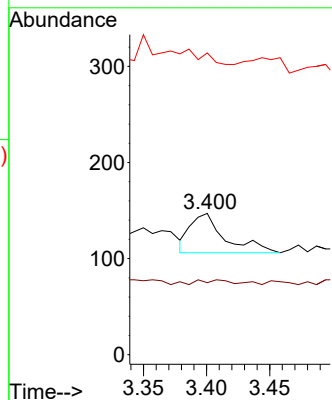
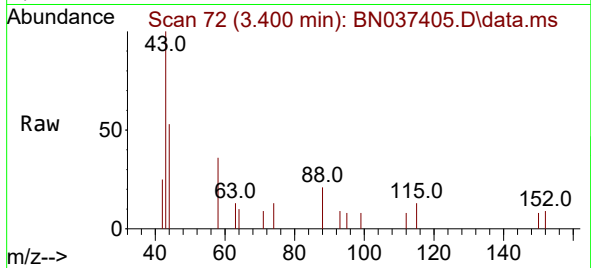




#3
n-Nitrosodimethylamine
Concen: 0.071 ng
RT: 3.400 min Scan# 71
Delta R.T. -0.022 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

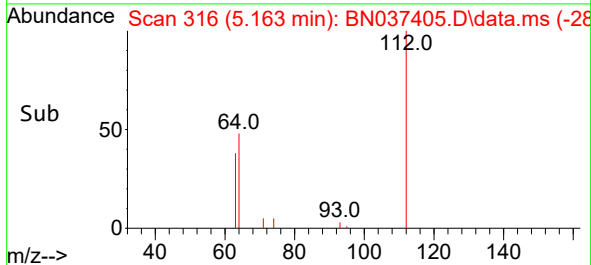
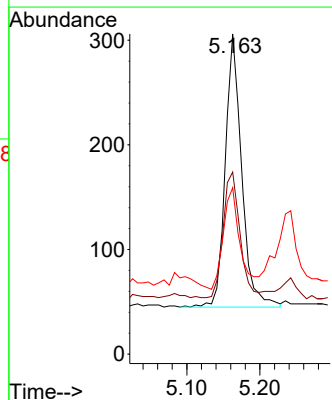
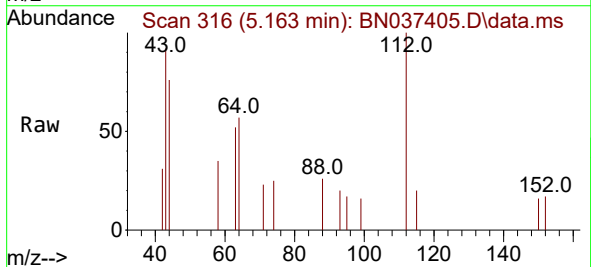
Instrument :
BNA_N
ClientSampleId :
GAV1W

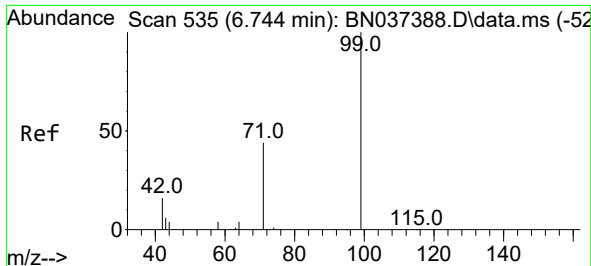
Tgt Ion: 42 Resp: 78
Ion Ratio Lower Upper
42 100
74 14.1 97.8 146.8#
44 0.0 8.7 13.1#



#4
2-Fluorophenol
Concen: 0.179 ng
RT: 5.163 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion: 112 Resp: 407
Ion Ratio Lower Upper
112 100
64 47.4 40.3 60.5
63 36.9 26.1 39.1

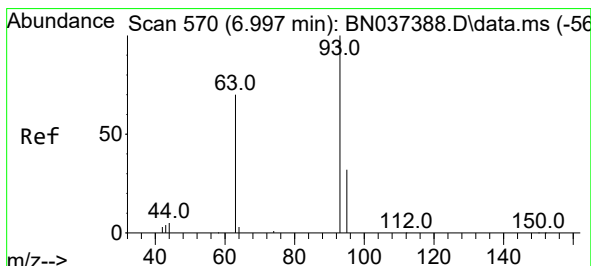
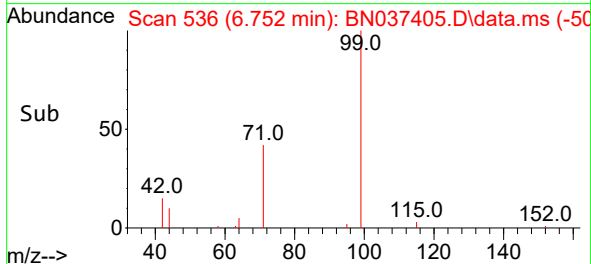
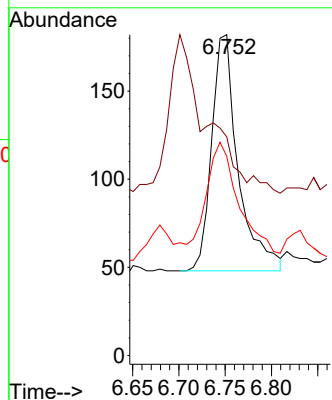
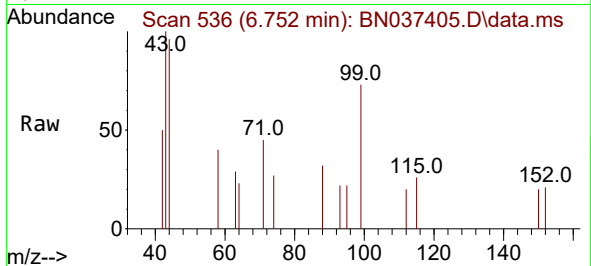




#5
Phenol-d6
Concen: 0.114 ng
RT: 6.752 min Scan# 511
Delta R.T. 0.007 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

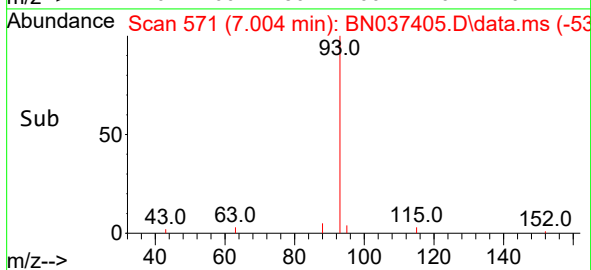
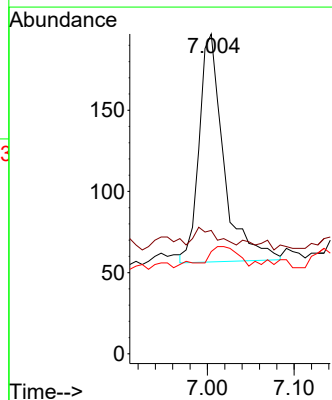
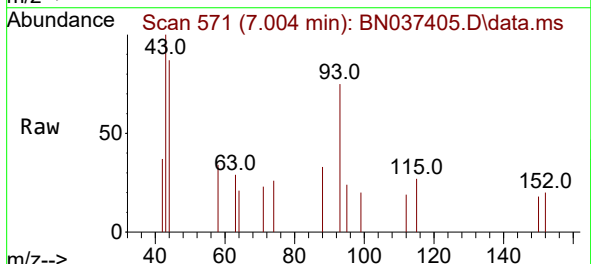
Instrument :
BNA_N
ClientSampleId :
GAV1W

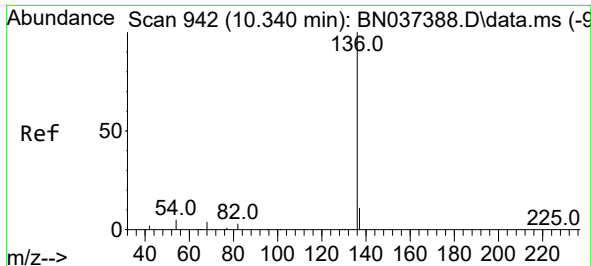
Tgt Ion: 99 Resp: 267
Ion Ratio Lower Upper
99 100
42 0.0 15.6 23.4#
71 64.8 35.8 53.8#



#6
bis(2-Chloroethyl)ether
Concen: 0.132 ng
RT: 7.004 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion: 93 Resp: 276
Ion Ratio Lower Upper
93 100
63 0.0 49.6 74.4#
95 9.4 23.9 35.9#

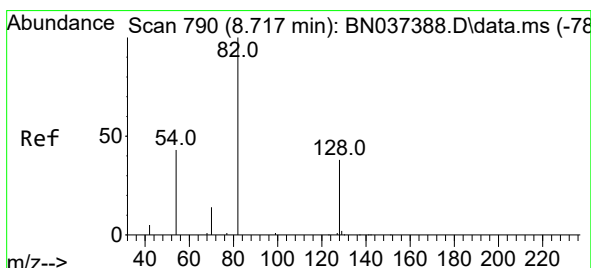
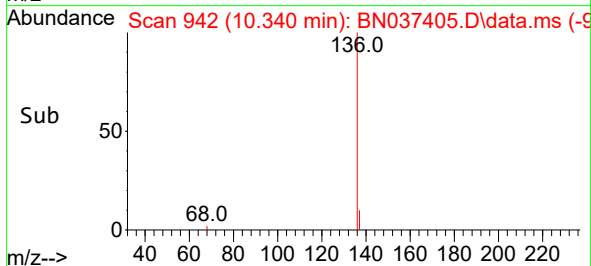
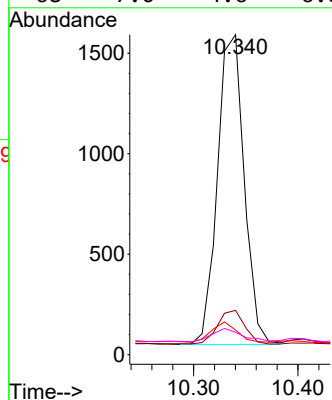
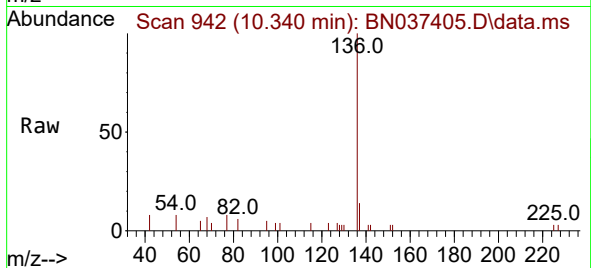




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.340 min Scan# 942
Delta R.T. -0.000 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

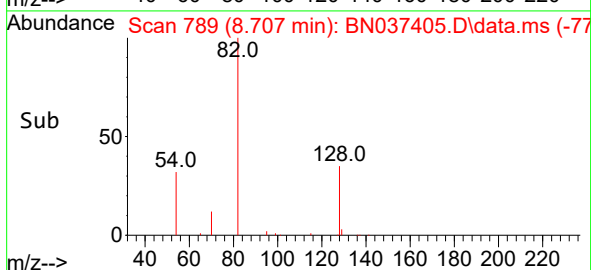
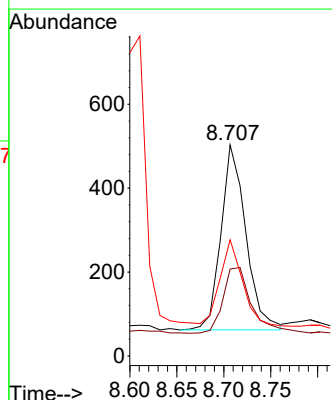
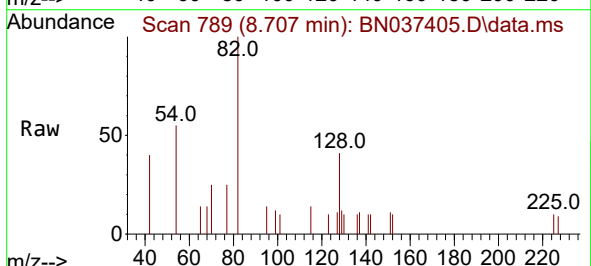
Instrument :
BNA_N
ClientSampleId :
GAV1W

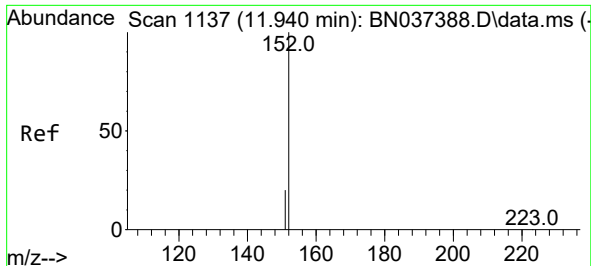
Tgt Ion:	136	Resp:	2747
Ion	Ratio	Lower	Upper
136	100		
137	13.8	10.4	15.6
54	7.7	5.6	8.4
68	7.0	4.6	6.8



#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.707 min Scan# 789
Delta R.T. -0.011 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion:	82	Resp:	815
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.0	51.0
54	55.1	37.7	56.5





#11

2-Methylnaphthalene-d10

Concen: 0.394 ng

RT: 11.935 min Scan# 1137

Delta R.T. -0.005 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

Instrument :

BNA_N

ClientSampleId :

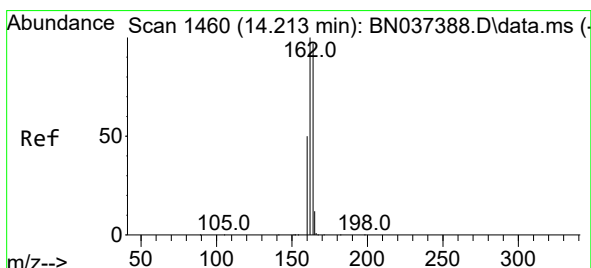
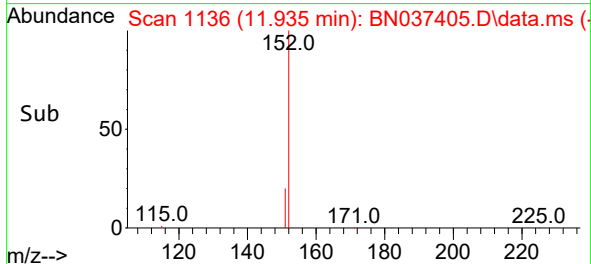
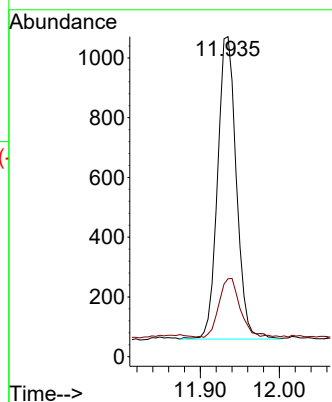
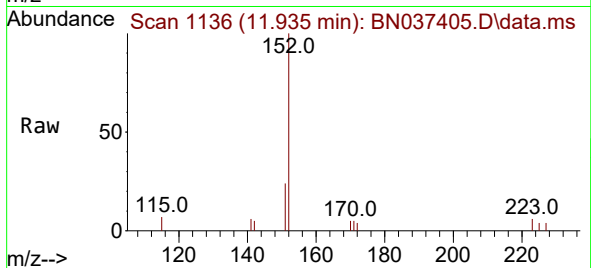
GAV1W

Tgt Ion:152 Resp: 1675

Ion Ratio Lower Upper

152 100

151 21.4 18.4 27.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.213 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

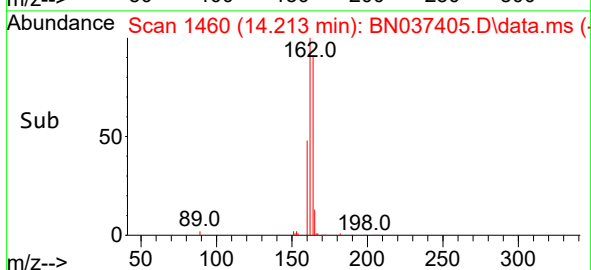
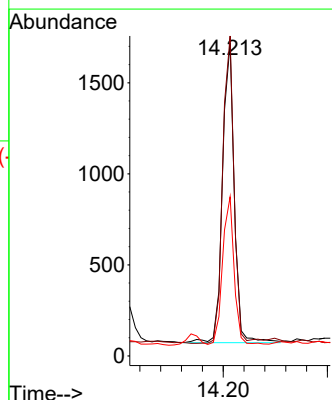
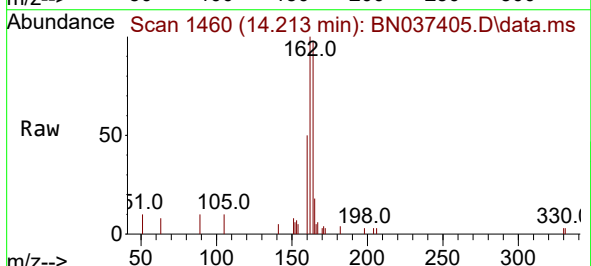
Tgt Ion:164 Resp: 2584

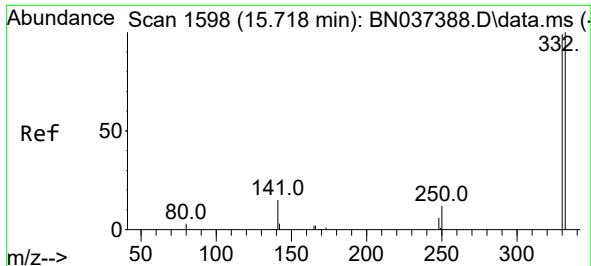
Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 50.8 42.2 63.2

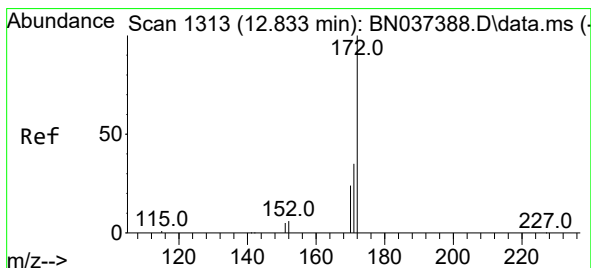
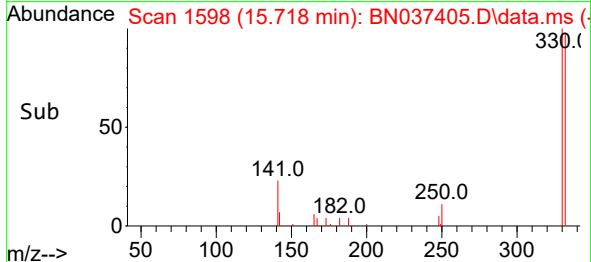
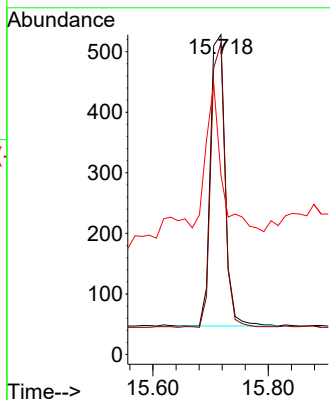
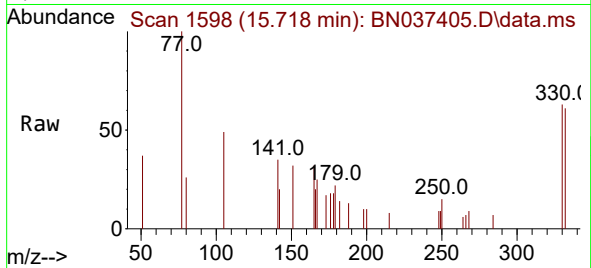




#14
2,4,6-Tribromophenol
Concen: 0.561 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

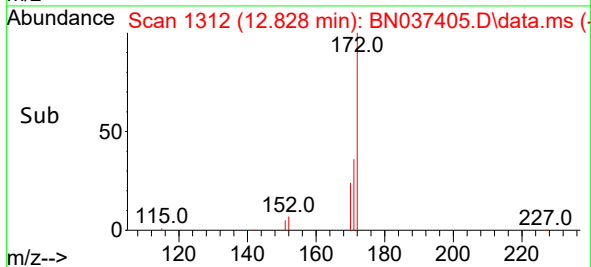
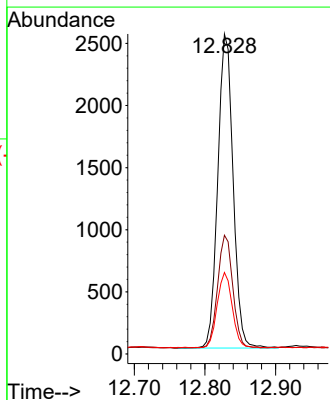
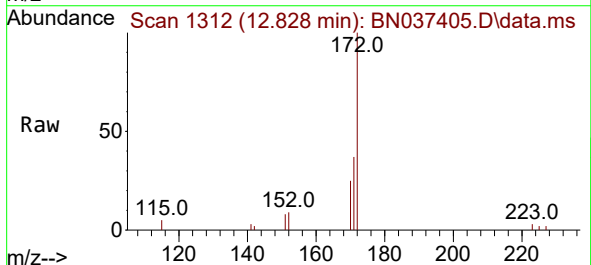
Instrument :
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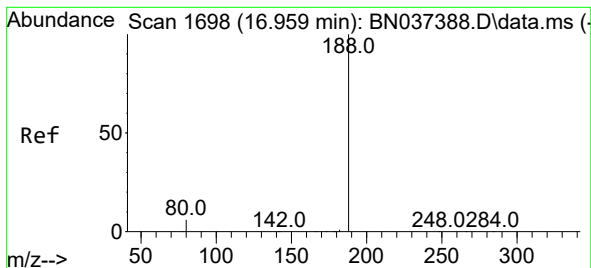
Tgt Ion: 330 Resp: 851
Ion Ratio Lower Upper
330 100
332 93.5 77.8 116.8
141 59.8 24.0 36.0#



#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.828 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion: 172 Resp: 3801
Ion Ratio Lower Upper
172 100
171 37.1 28.8 43.2
170 25.5 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.959 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

Instrument :

BNA_N

ClientSampleId :

GAV1W

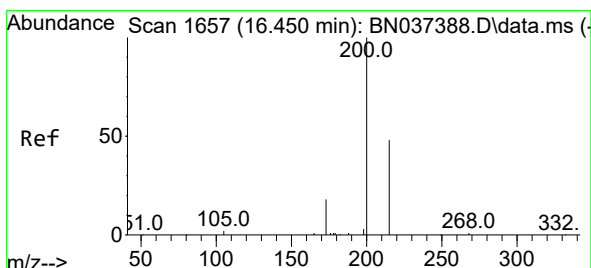
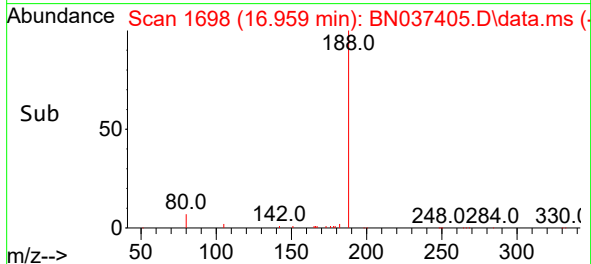
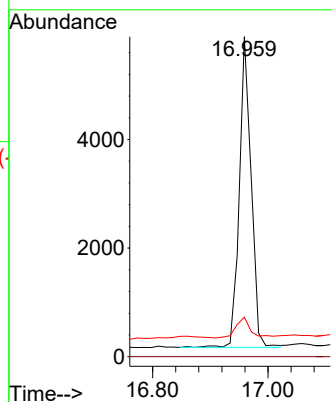
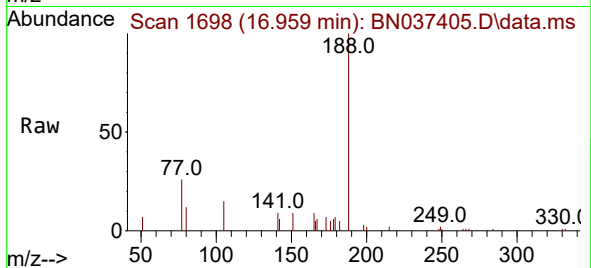
Tgt Ion:188 Resp: 8148

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 6.2 9.4#



#23

Atrazine

Concen: 0.025 ng

RT: 16.462 min Scan# 1658

Delta R.T. 0.012 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

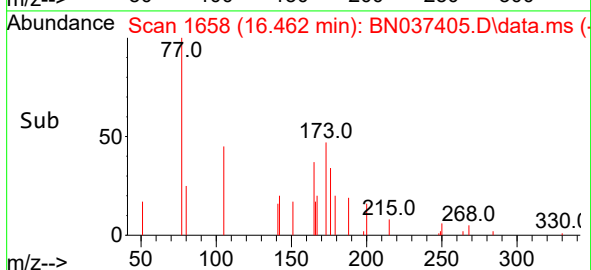
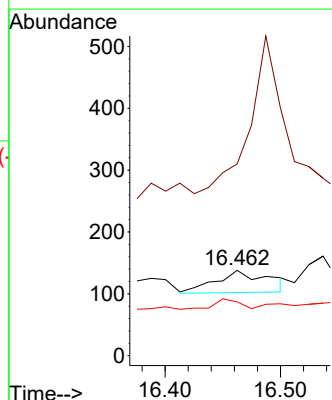
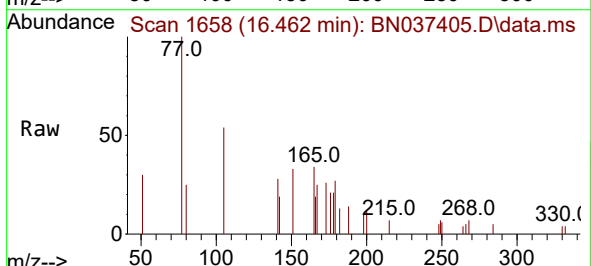
Tgt Ion:200 Resp: 112

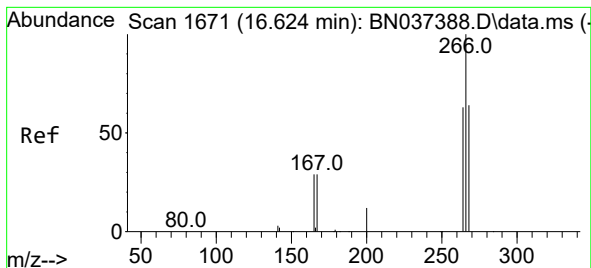
Ion Ratio Lower Upper

200 100

173 224.6 19.0 28.6#

215 63.0 41.3 61.9#





#24

Pentachlorophenol

Concen: 0.107 ng

RT: 16.624 min Scan# 1671

Delta R.T. -0.000 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

Instrument :

BNA_N

ClientSampleId :

GAV1W

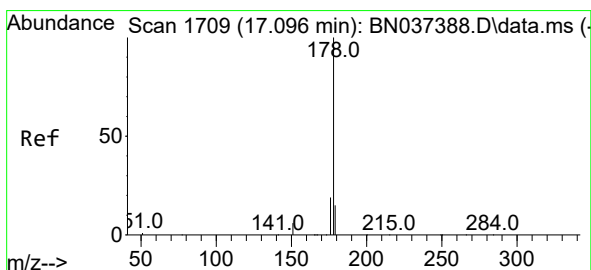
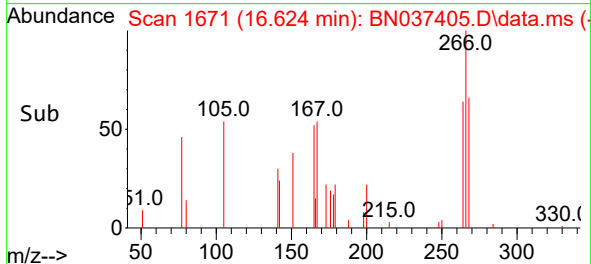
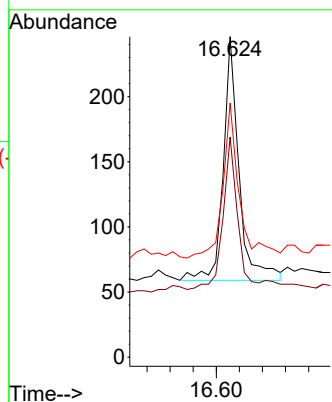
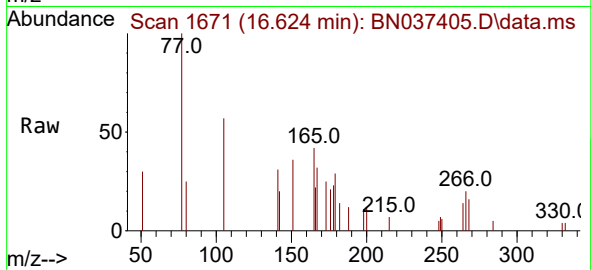
Tgt Ion:266 Resp: 357

Ion Ratio Lower Upper

266 100

264 57.1 49.2 73.8

268 66.7 54.2 81.4



#26

Anthracene

Concen: 0.040 ng

RT: 17.095 min Scan# 1709

Delta R.T. -0.000 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

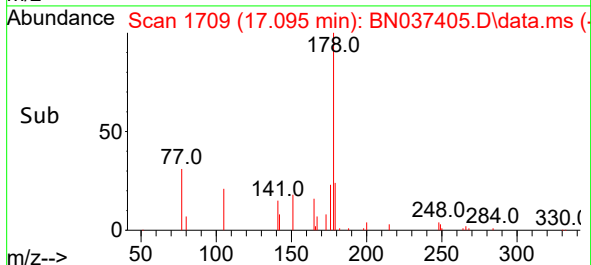
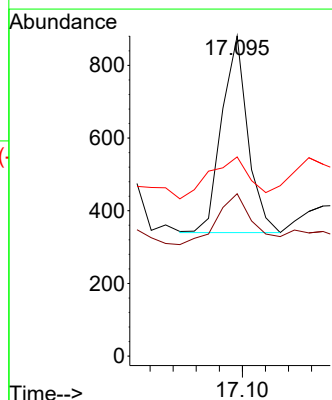
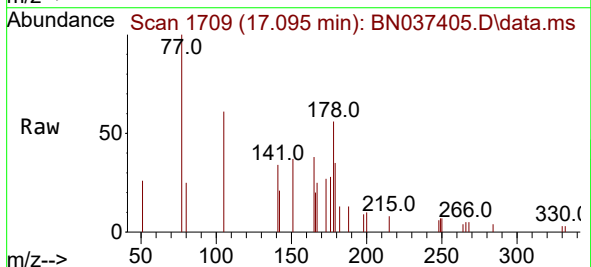
Tgt Ion:178 Resp: 849

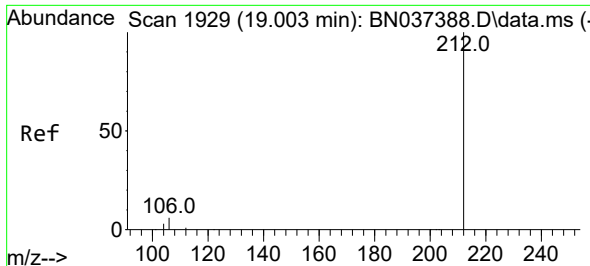
Ion Ratio Lower Upper

178 100

176 35.5 14.9 22.3#

179 32.3 12.4 18.6#

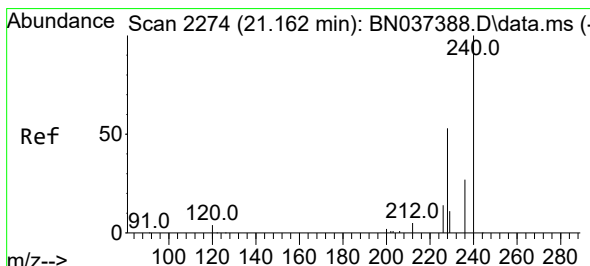
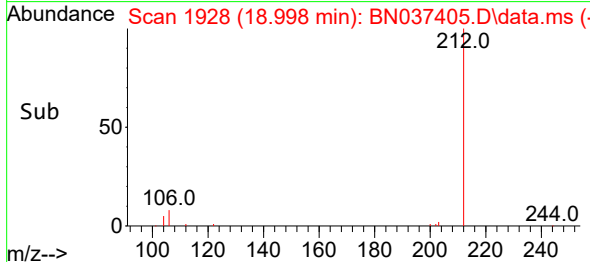
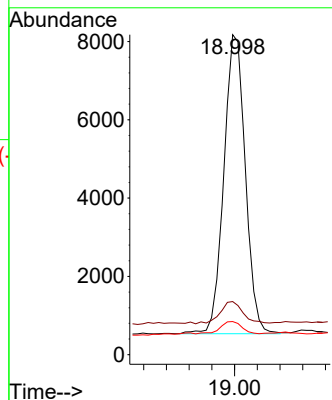
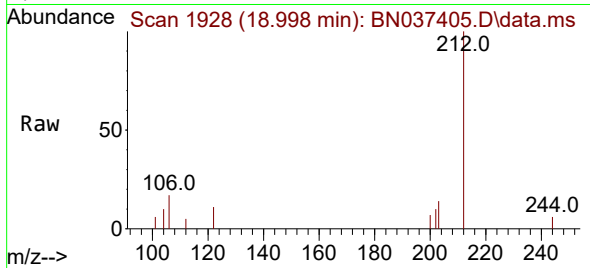




#27
Fluoranthene-d10
Concen: 0.430 ng
RT: 18.998 min Scan# 1928
Delta R.T. -0.005 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

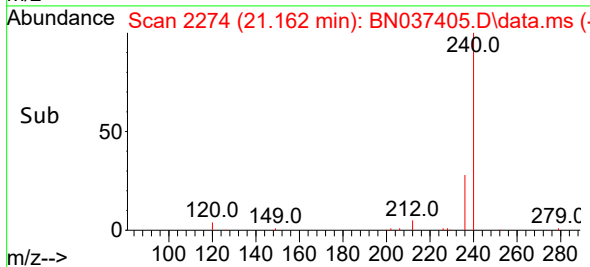
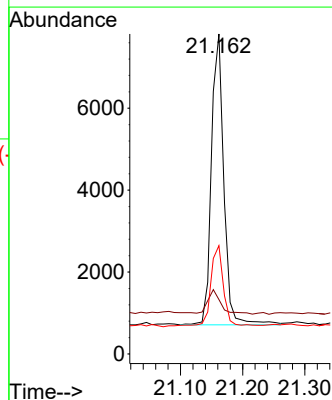
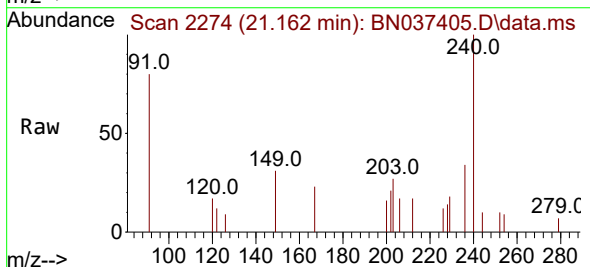
Instrument :
BNA_N
ClientSampleId :
GAV1W

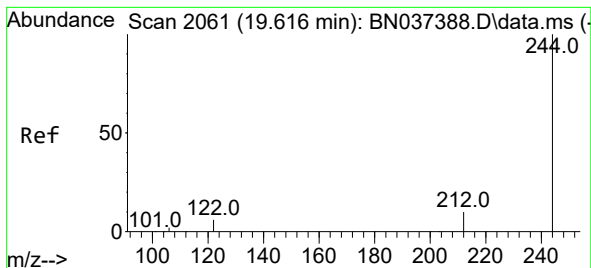
Tgt Ion:212 Resp: 10045
Ion Ratio Lower Upper
212 100
106 7.9 4.5 6.7#
104 4.7 2.7 4.1#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.162 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BN037405.D
Acq: 26 Jun 2025 22:50

Tgt Ion:240 Resp: 9805
Ion Ratio Lower Upper
240 100
120 17.0 5.3 7.9#
236 33.9 22.7 34.1





#31

Terphenyl-d14

Concen: 0.420 ng

RT: 19.607 min Scan# 2061

Delta R.T. -0.009 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

Instrument :

BNA_N

ClientSampleId :

GAV1W

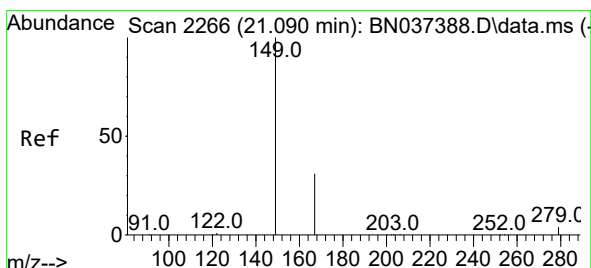
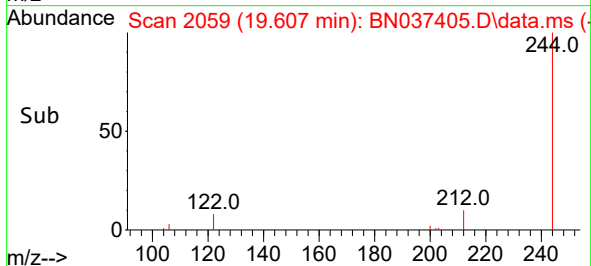
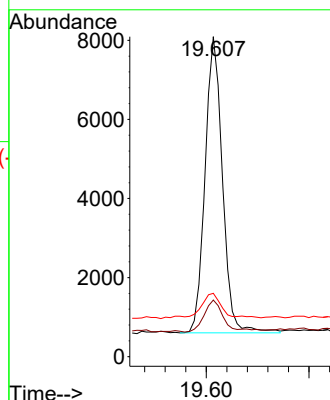
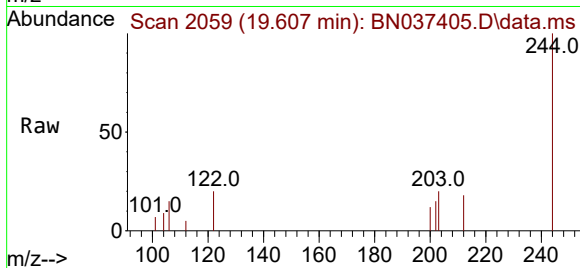
Tgt Ion:244 Resp: 8775

Ion Ratio Lower Upper

244 100

212 17.7 9.1 13.7#

122 19.8 6.3 9.5#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.163 ng

RT: 21.090 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BN037405.D

Acq: 26 Jun 2025 22:50

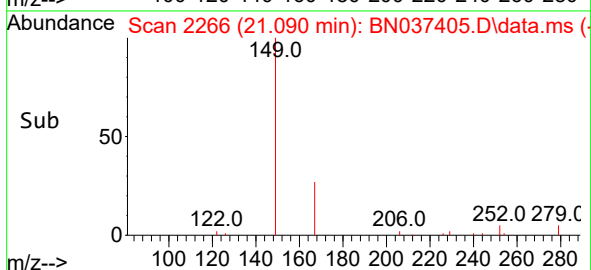
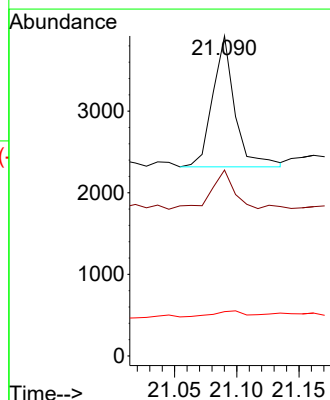
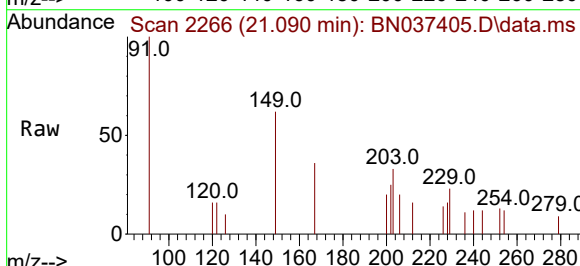
Tgt Ion:149 Resp: 1986

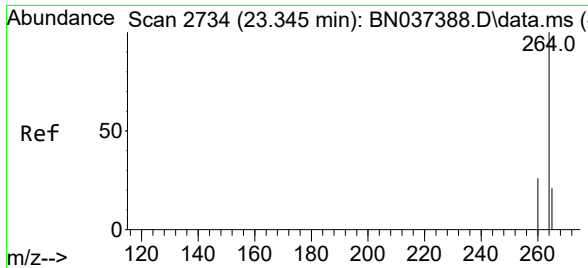
Ion Ratio Lower Upper

149 100

167 30.7 24.8 37.2

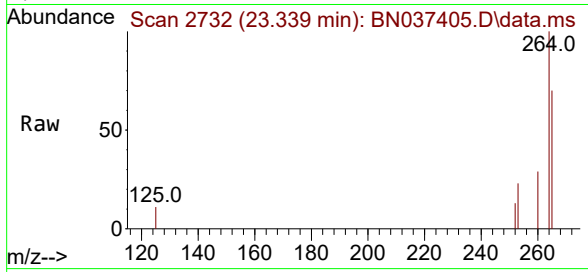
279 6.5 5.0 7.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.339 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN037405.D
 Acq: 26 Jun 2025 22:50

Instrument :
 BNA_N
 ClientSampleId :
 GAV1W



Tgt Ion:264 Resp: 9788

Ion	Ratio	Lower	Upper
264	100		
260	29.4	21.4	32.0
265	69.8	56.2	84.4

