

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031425\
 Data File : BN036606.D
 Acq On : 14 Mar 2025 13:57
 Operator : RC/JU
 Sample : Q1502-05DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Mar 14 14:20:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

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

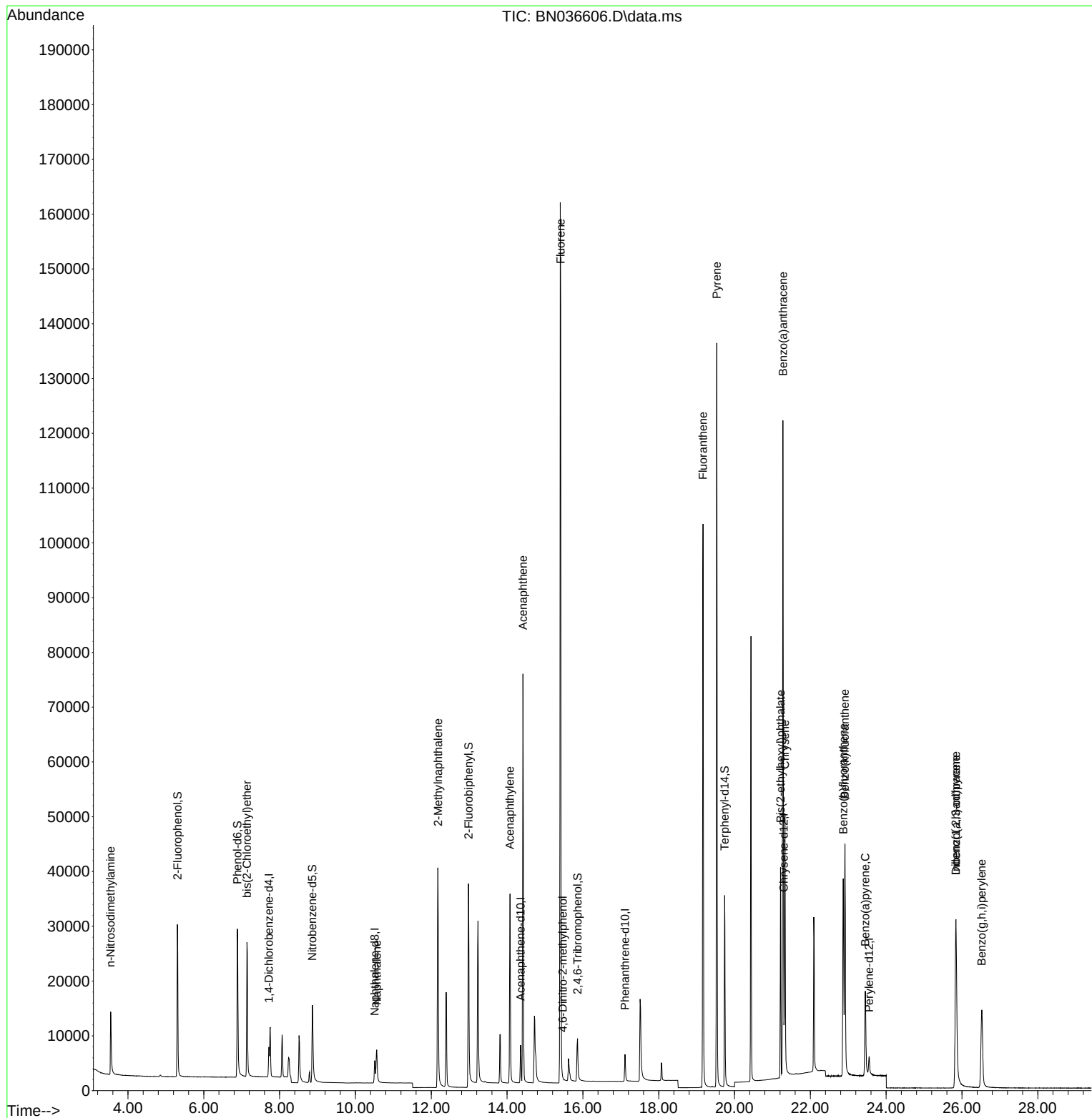
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2560	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6288	0.400	ng	0.00
13) Acenaphthene-d10	14.356	164	3816	0.400	ng	-0.01
19) Phenanthrene-d10	17.111	188	7563	0.400	ng	# 0.00
29) Chrysene-d12	21.295	240	6746	0.400	ng	# 0.00
35) Perylene-d12	23.549	264	4692	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	20098	3.369	ng	0.00
5) Phenol-d6	6.887	99	24741	3.357	ng	-0.01
8) Nitrobenzene-d5	8.865	82	13888	2.030	ng	-0.01
11) 2-Methylnaphthalene-d10	12.106	152	2	0.000	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	5253	3.034	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	52513	2.366	ng	0.00
27) Fluoranthene-d10	19.137	212	5	0.000	ng	0.00
31) Terphenyl-d14	19.740	244	36381	2.251	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.543	42	8710	1.516	ng	92
6) bis(2-Chloroethyl)ether	7.140	93	17471	2.293	ng	97
9) Naphthalene	10.562	128	10246	0.554	ng	99
12) 2-Methylnaphthalene	12.177	142	32727	2.781	ng	97
16) Acenaphthylene	14.078	152	36995	2.054	ng	100
17) Acenaphthene	14.420	154	33581	2.849	ng	98
18) Fluorene	15.414	166	69117	4.334	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	2	0.147	ng	# 1
28) Fluoranthene	19.169	202	93875	3.683	ng	99
30) Pyrene	19.531	202	117533	3.563	ng	100
32) Benzo(a)anthracene	21.277	228	98254	4.189	ng	98
33) Chrysene	21.331	228	43616	1.702	ng	98
34) Bis(2-ethylhexyl)phtha...	21.214	149	32455	1.943	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.841	276	12656	0.747	ng	# 63
37) Benzo(b)fluoranthene	22.867	252	46116	2.701	ng	# 85
38) Benzo(k)fluoranthene	22.911	252	57340	3.201	ng	# 83
39) Benzo(a)pyrene	23.449	252	25343	1.762	ng	# 80
40) Dibenzo(a,h)anthracene	25.841	278	52142	3.955	ng	# 84
41) Benzo(g,h,i)perylene	26.522	276	30815	2.043	ng	93

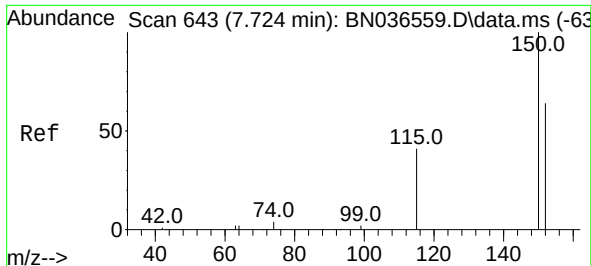
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031425\
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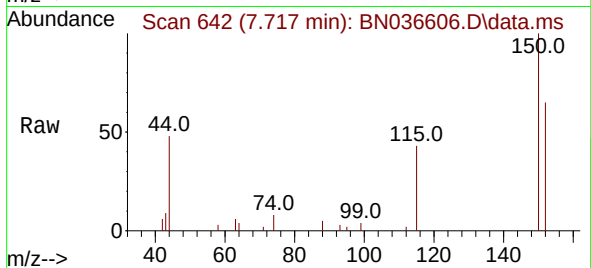
Quant Time: Mar 14 14:20:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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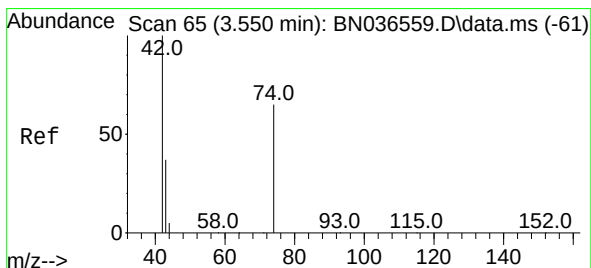
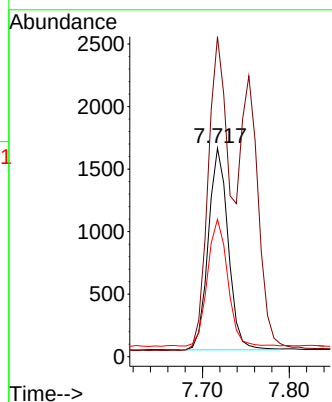
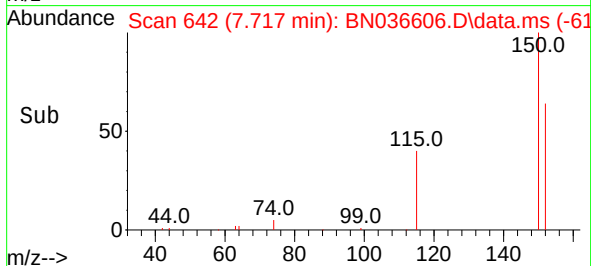


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

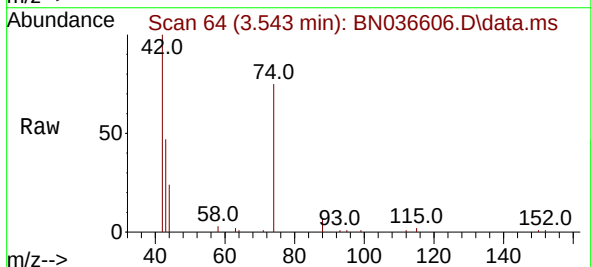
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL



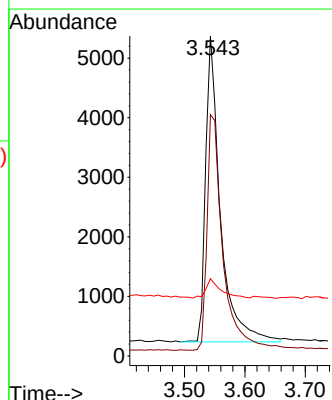
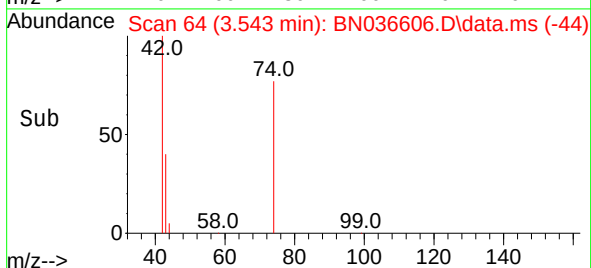
Tgt Ion:152 Resp: 2560
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 65.9 54.3 81.5

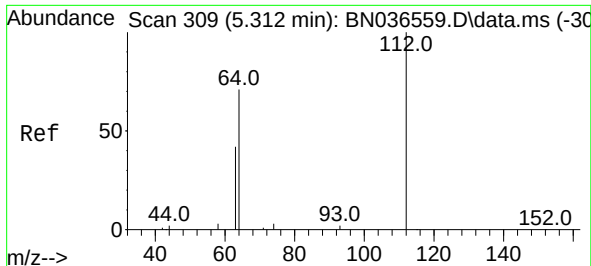


#3
n-Nitrosodimethylamine
Concen: 1.516 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57



Tgt Ion: 42 Resp: 8710
Ion Ratio Lower Upper
42 100
74 83.0 60.6 90.8
44 6.4 6.3 9.5





#4

2-Fluorophenol

Concen: 3.369 ng

RT: 5.305 min Scan# 309

Delta R.T. -0.007 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

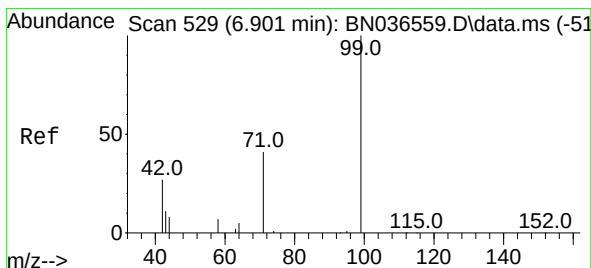
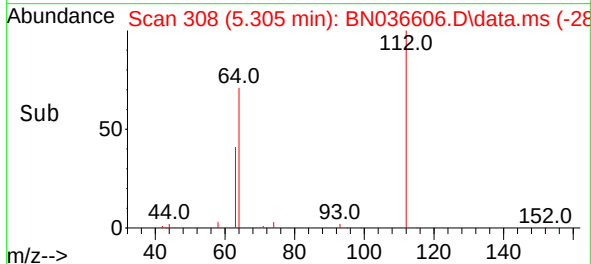
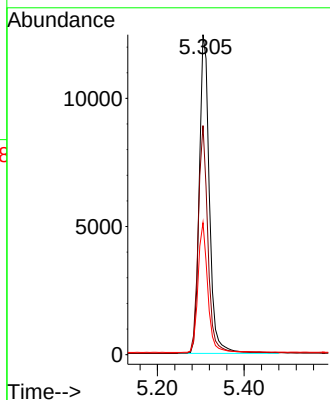
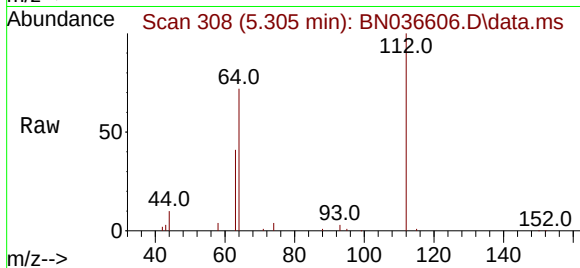
Tgt Ion:112 Resp: 20098

Ion Ratio Lower Upper

112 100

64 69.1 53.1 79.7

63 39.8 31.8 47.8



#5

Phenol-d6

Concen: 3.357 ng

RT: 6.887 min Scan# 527

Delta R.T. -0.014 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

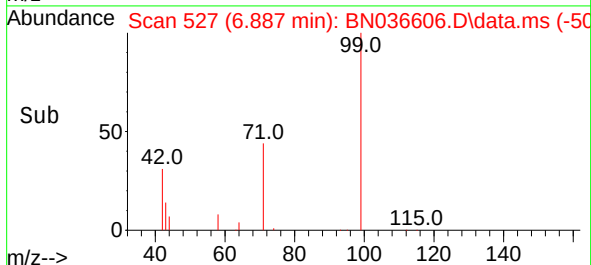
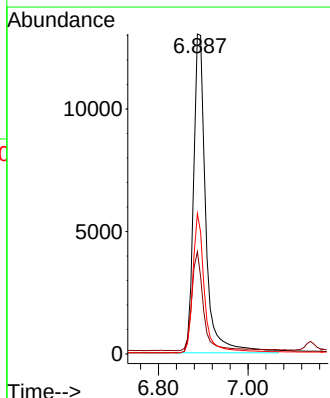
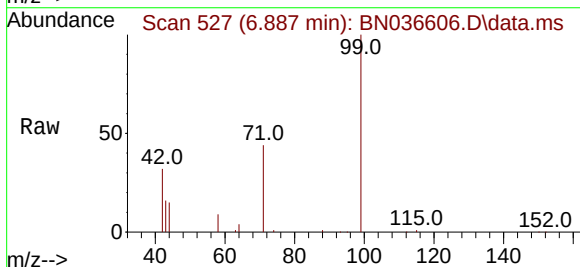
Tgt Ion: 99 Resp: 24741

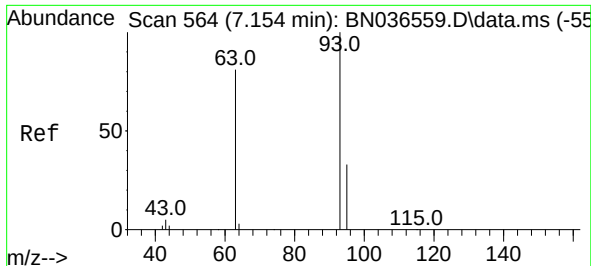
Ion Ratio Lower Upper

99 100

42 30.0 26.5 39.7

71 41.7 34.1 51.1

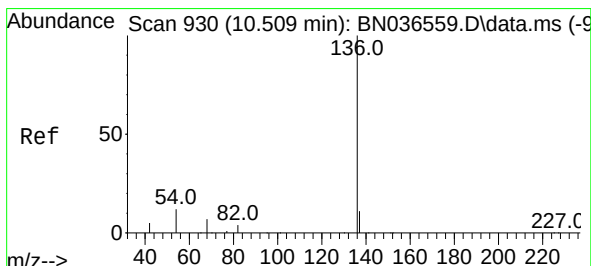
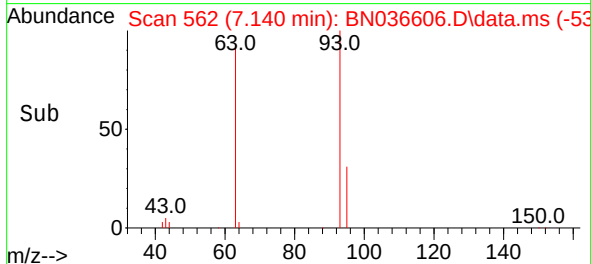
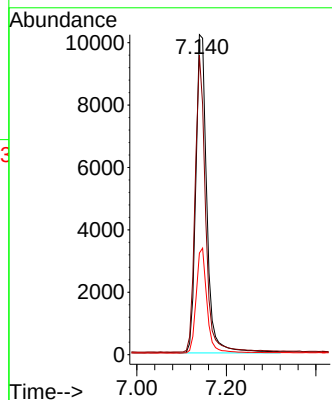
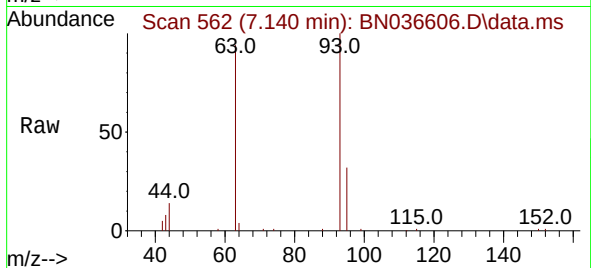




#6
bis(2-Chloroethyl)ether
Concen: 2.293 ng
RT: 7.140 min Scan# 564
Delta R.T. -0.014 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

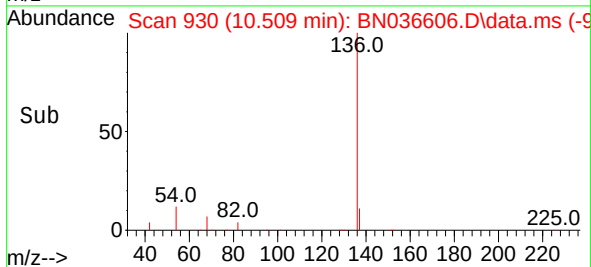
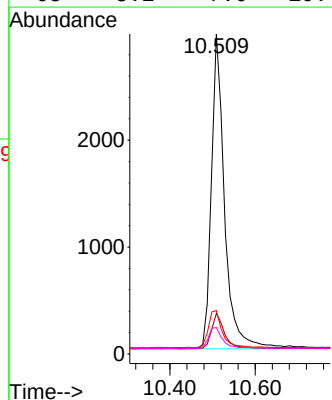
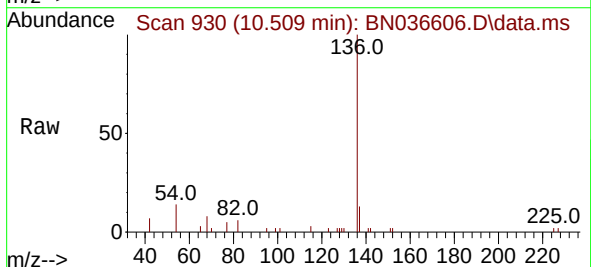
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

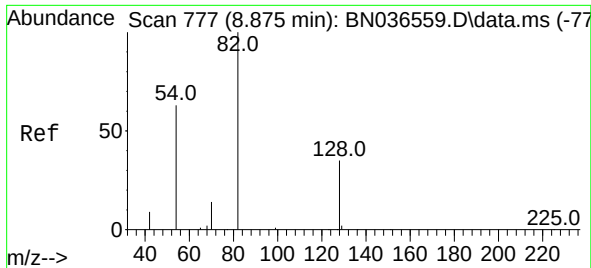
Tgt Ion: 93 Resp: 17471
Ion Ratio Lower Upper
93 100
63 88.2 67.7 101.5
95 32.2 25.6 38.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion: 136 Resp: 6288
Ion Ratio Lower Upper
136 100
137 12.6 10.3 15.5
54 13.5 11.5 17.3
68 8.2 7.0 10.4

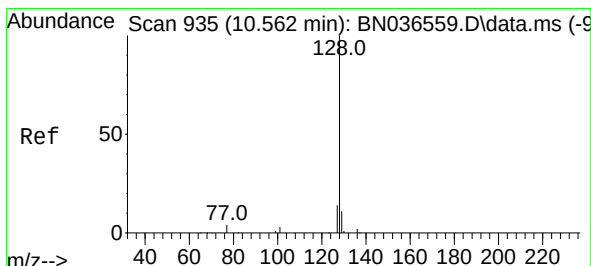
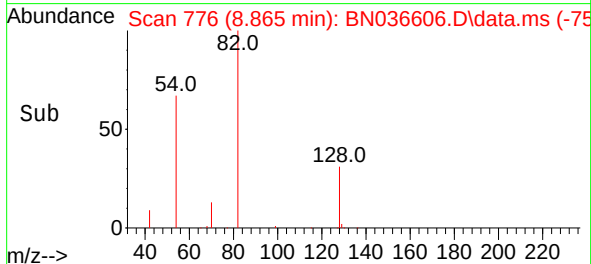
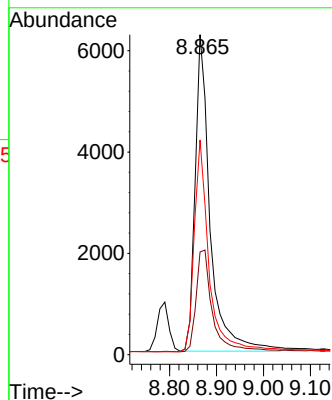
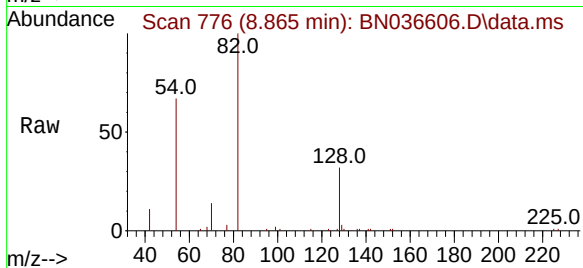




#8
Nitrobenzene-d5
Concen: 2.030 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.010 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

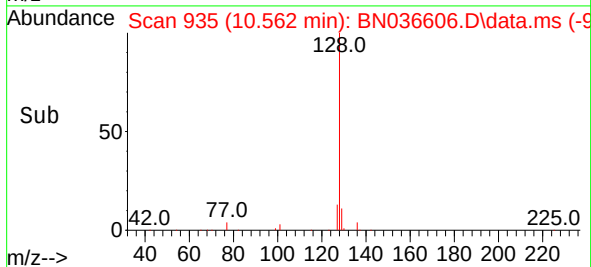
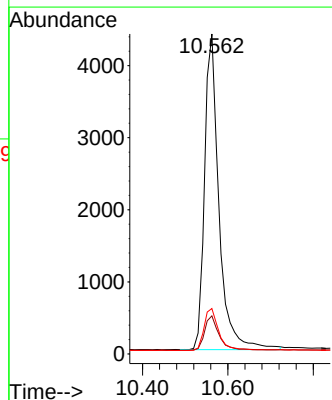
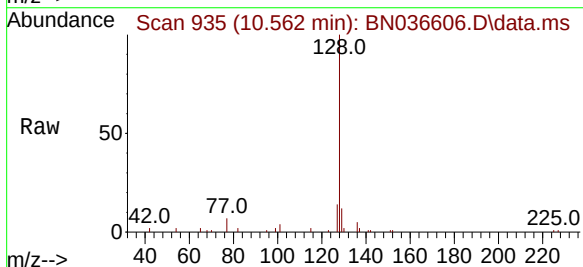
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

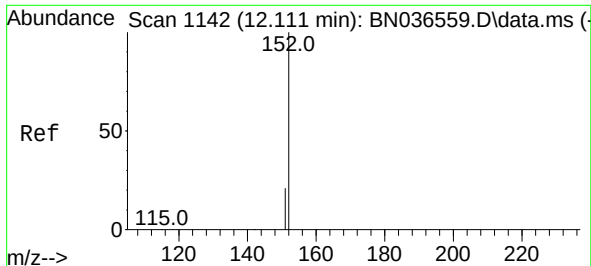
Tgt Ion: 82 Resp: 13888
Ion Ratio Lower Upper
82 100
128 32.1 30.6 45.8
54 67.1 52.2 78.4



#9
Naphthalene
Concen: 0.554 ng
RT: 10.562 min Scan# 935
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion: 128 Resp: 10246
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 14.2 11.8 17.8





#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

RT: 12.106 min Scan# 1141

Delta R.T. -0.005 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

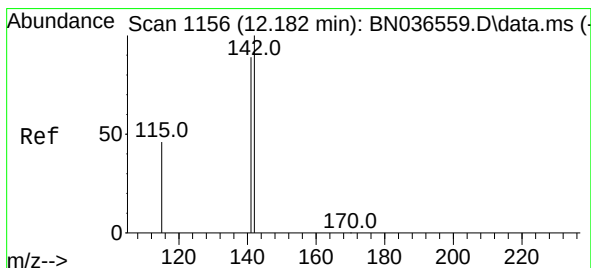
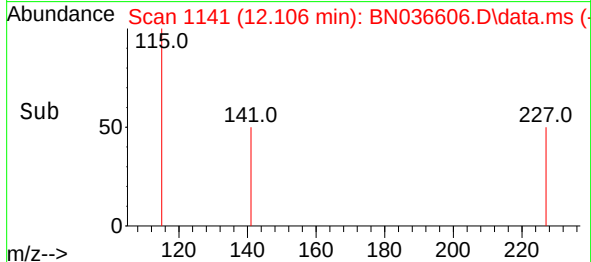
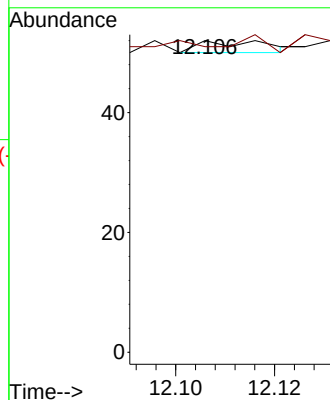
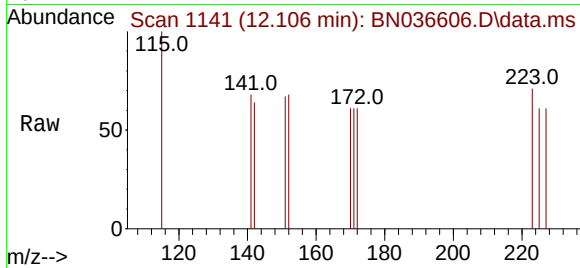
PT-BN-WPDL

Tgt Ion:152 Resp: 2

Ion Ratio Lower Upper

152 100

151 50.0 17.0 25.6#



#12

2-Methylnaphthalene

Concen: 2.781 ng

RT: 12.177 min Scan# 1155

Delta R.T. -0.005 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

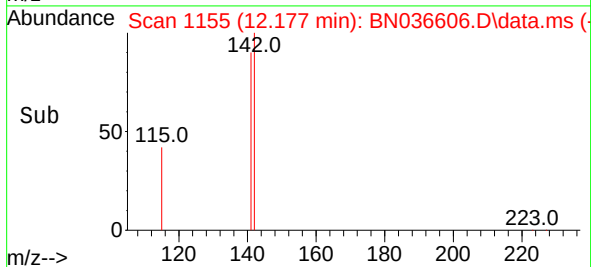
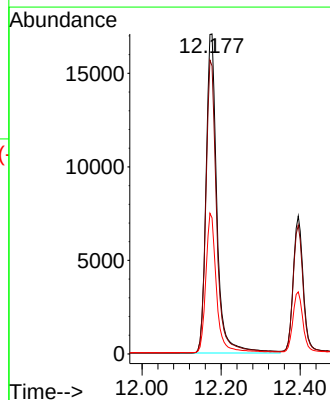
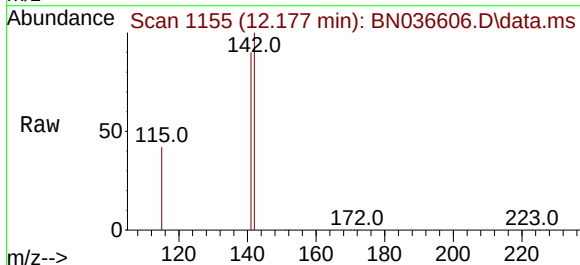
Tgt Ion:142 Resp: 32727

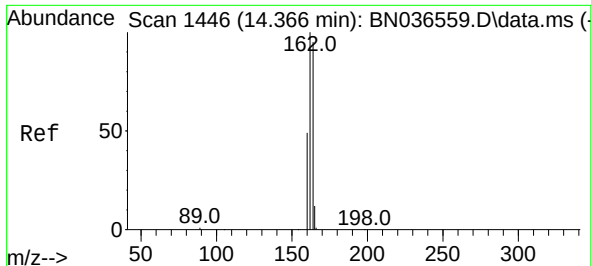
Ion Ratio Lower Upper

142 100

141 90.0 71.7 107.5

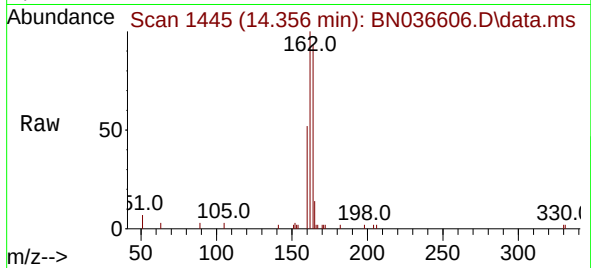
115 42.5 38.3 57.5



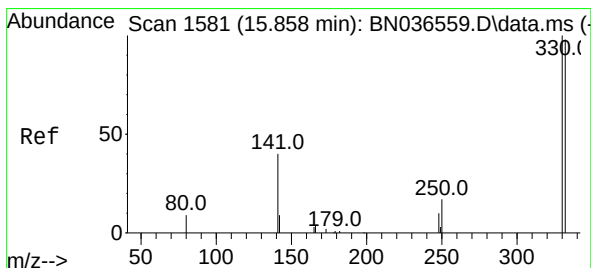
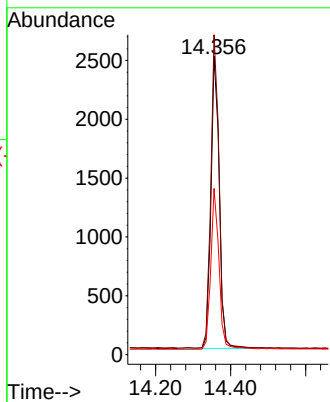
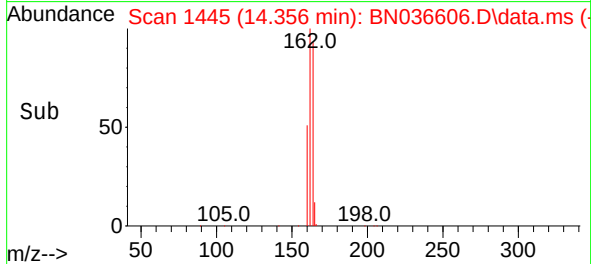


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.010 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

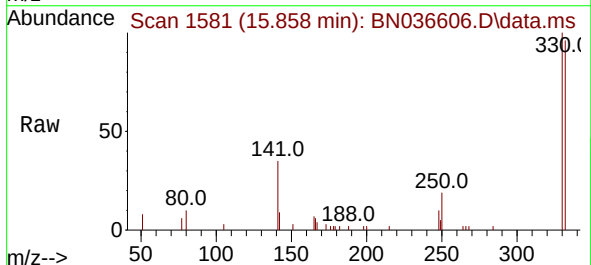
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL



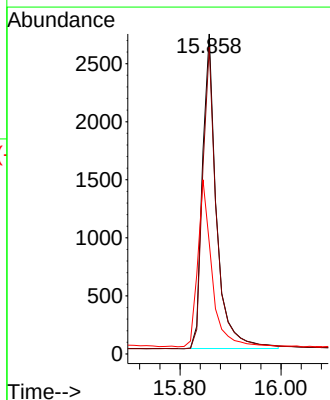
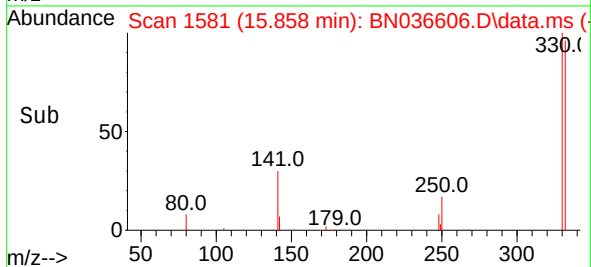
Tgt Ion:164 Resp: 3816
Ion Ratio Lower Upper
164 100
162 107.2 84.2 126.2
160 55.7 42.2 63.2

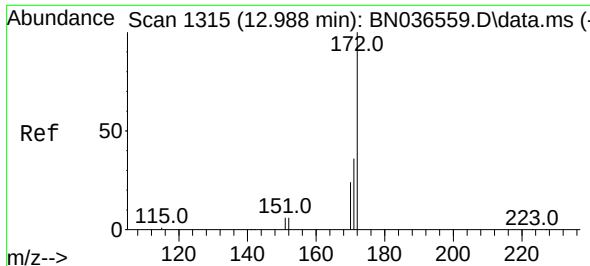


#14
2,4,6-Tribromophenol
Concen: 3.034 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57



Tgt Ion:330 Resp: 5253
Ion Ratio Lower Upper
330 100
332 95.7 75.2 112.8
141 52.9 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 2.366 ng

RT: 12.983 min Scan# 1419

Delta R.T. -0.005 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

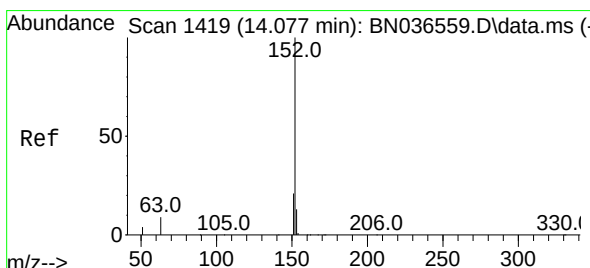
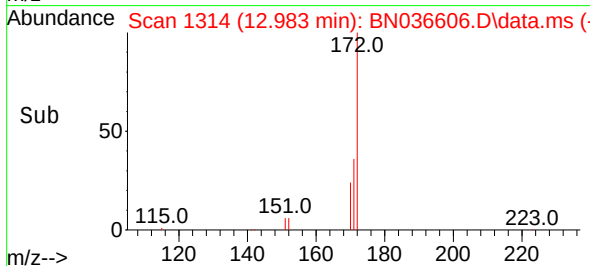
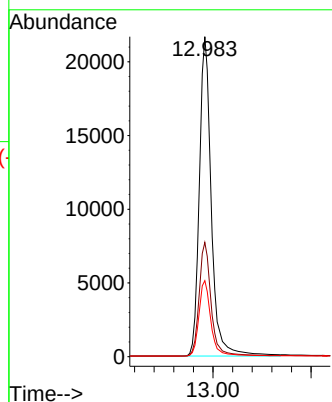
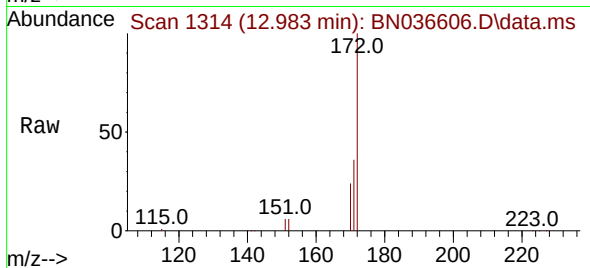
Tgt Ion:172 Resp: 52513

Ion Ratio Lower Upper

172 100

171 35.7 29.5 44.3

170 23.8 20.2 30.4



#16

Acenaphthylene

Concen: 2.054 ng

RT: 14.078 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

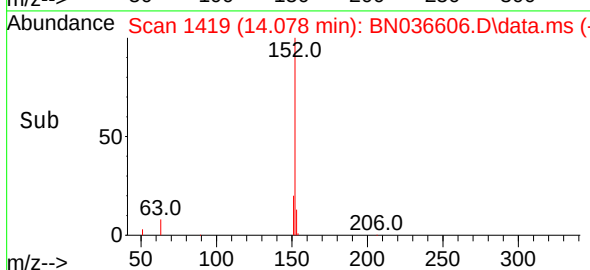
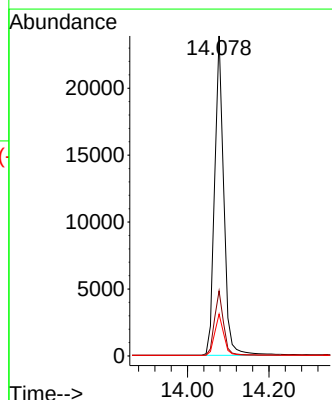
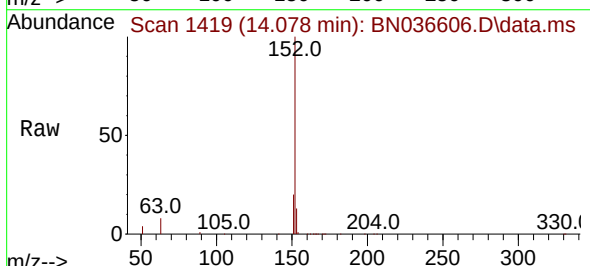
Tgt Ion:152 Resp: 36995

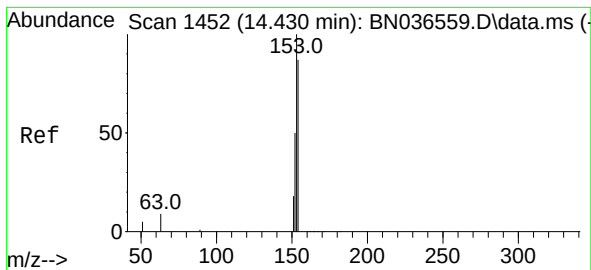
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 12.9 10.6 15.8





#17

Acenaphthene

Concen: 2.849 ng

RT: 14.420 min Scan# 1451

Delta R.T. -0.010 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

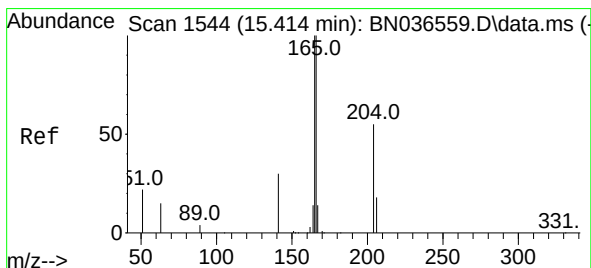
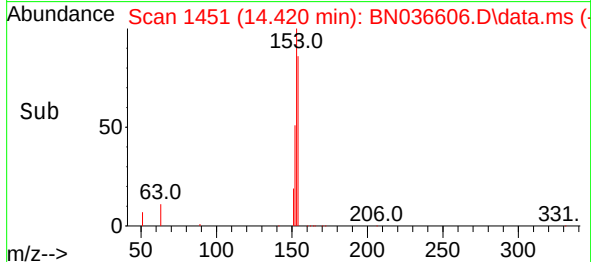
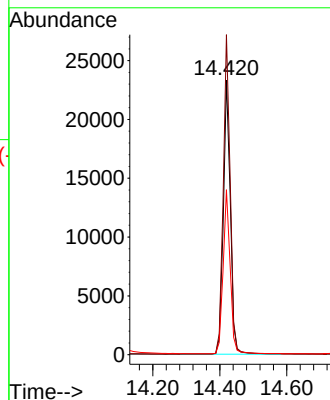
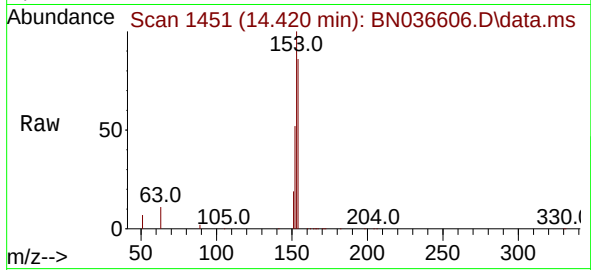
Tgt Ion:154 Resp: 33581

Ion Ratio Lower Upper

154 100

153 116.2 94.1 141.1

152 60.4 49.8 74.6



#18

Fluorene

Concen: 4.334 ng

RT: 15.414 min Scan# 1544

Delta R.T. 0.000 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

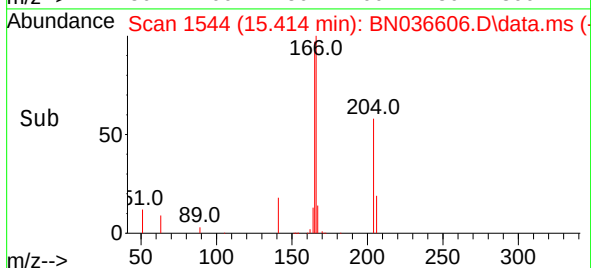
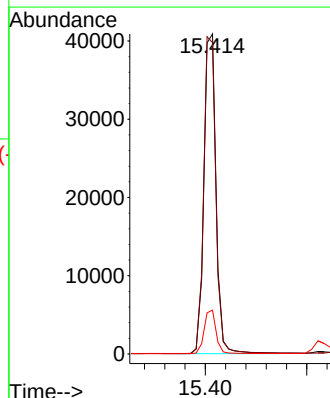
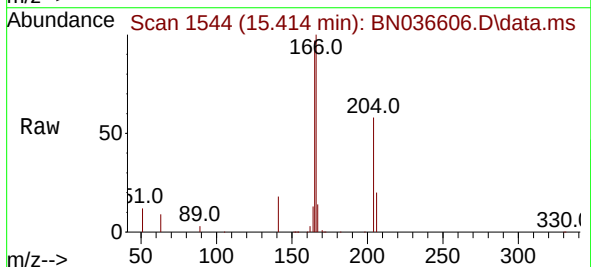
Tgt Ion:166 Resp: 69117

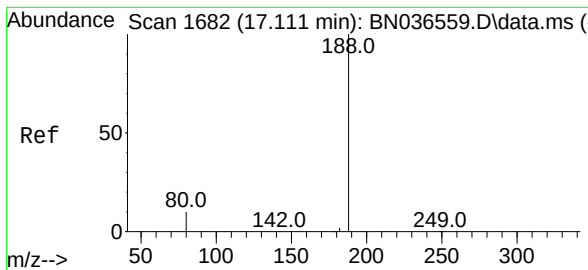
Ion Ratio Lower Upper

166 100

165 99.3 79.8 119.8

167 13.4 10.6 15.8

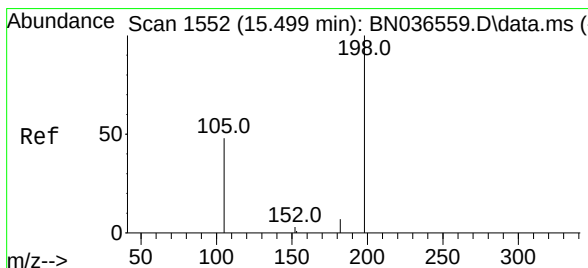
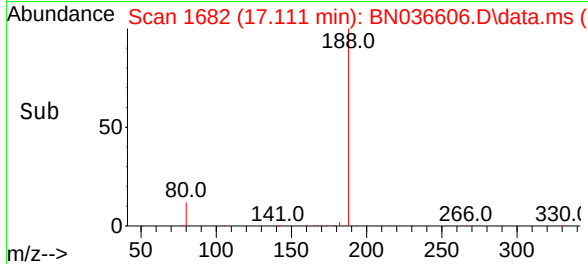
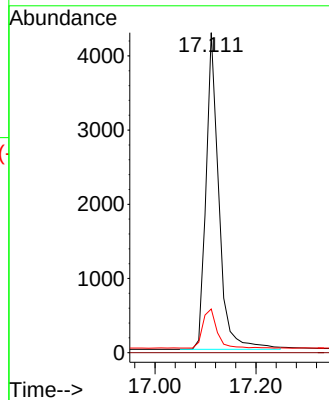
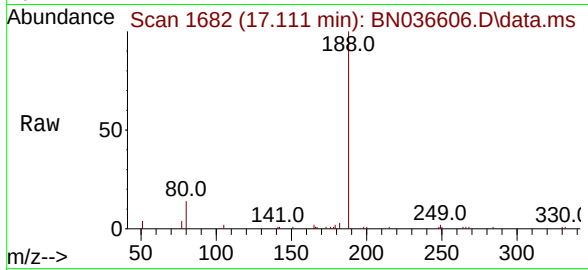




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

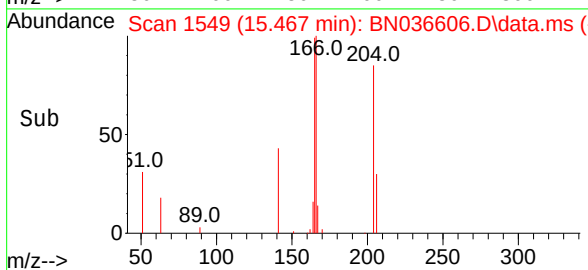
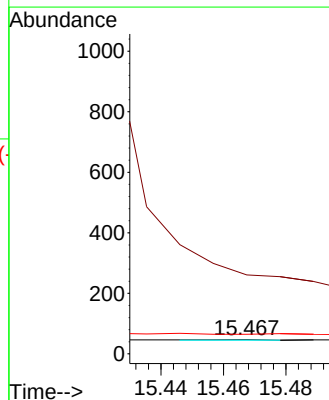
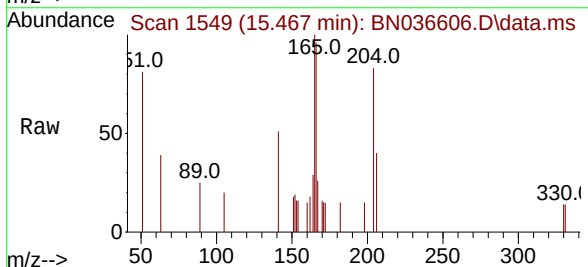
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

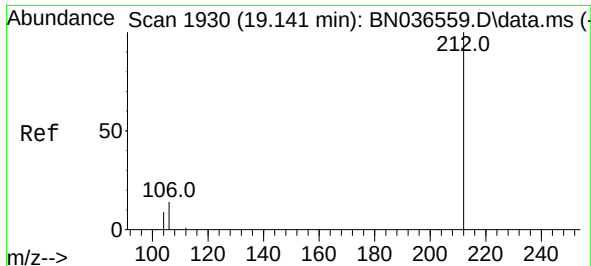
Tgt Ion:188 Resp: 7563
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 8.8 13.2#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.147 ng
RT: 15.467 min Scan# 1549
Delta R.T. -0.032 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 555.3 107.9 161.9#
105 138.3 56.2 84.2#





#27

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.137 min Scan# 1929

Delta R.T. -0.004 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

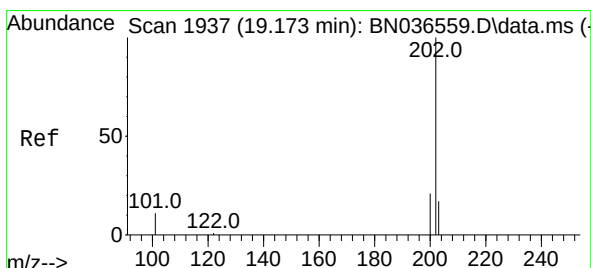
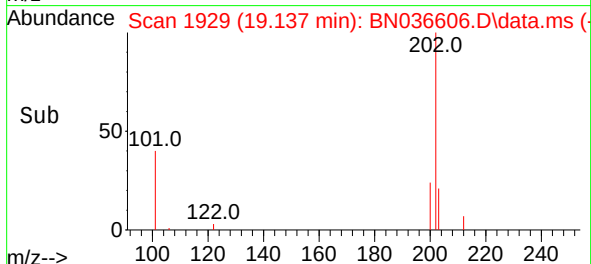
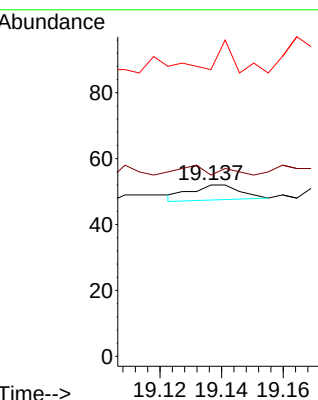
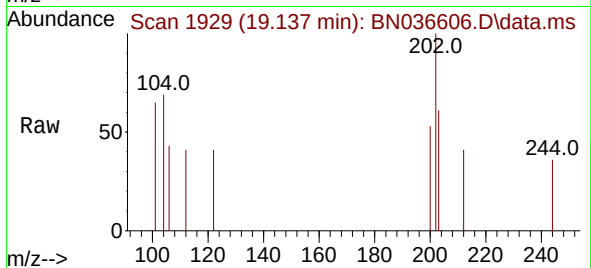
Tgt Ion:212 Resp: 5

Ion Ratio Lower Upper

212 100

106 60.0 11.8 17.6#

104 80.0 7.3 10.9#



#28

Fluoranthene

Concen: 3.683 ng

RT: 19.169 min Scan# 1936

Delta R.T. -0.004 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

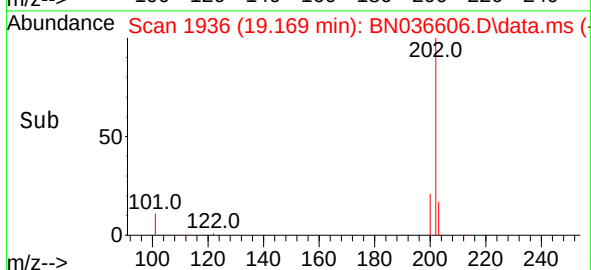
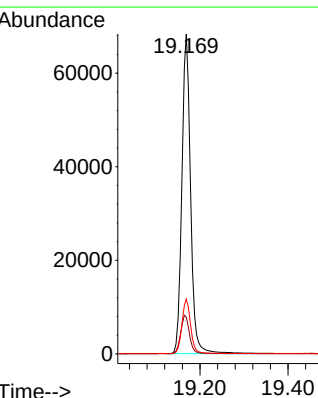
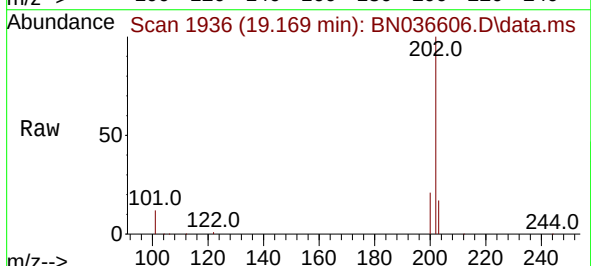
Tgt Ion:202 Resp: 93875

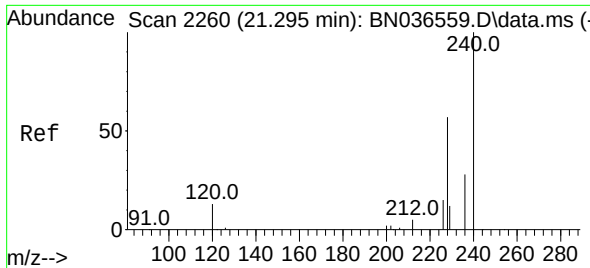
Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

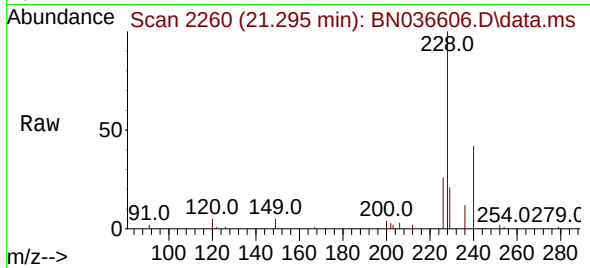
203 17.1 13.5 20.3



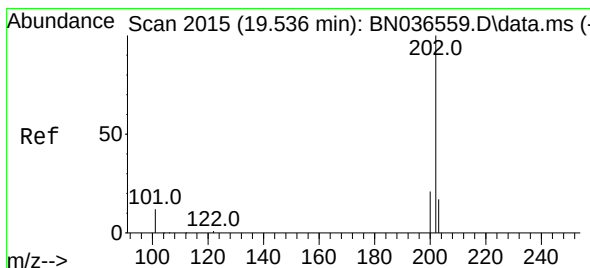
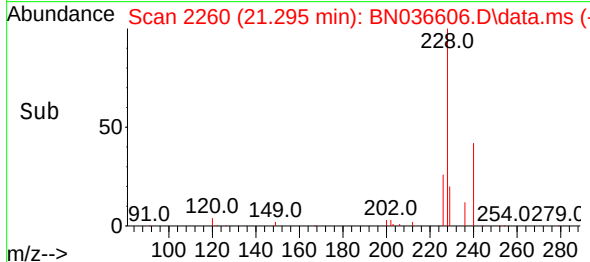
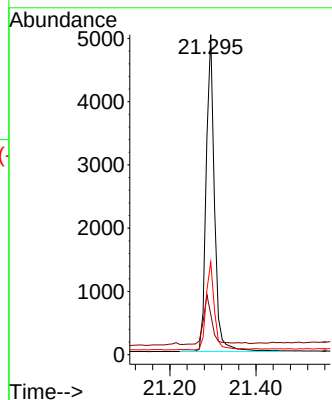


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

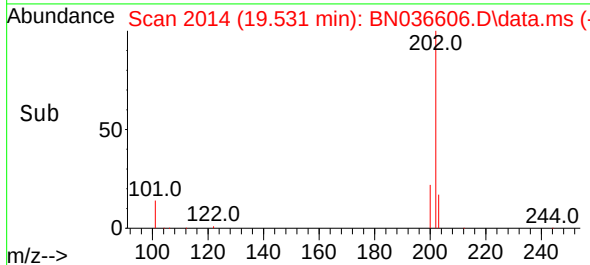
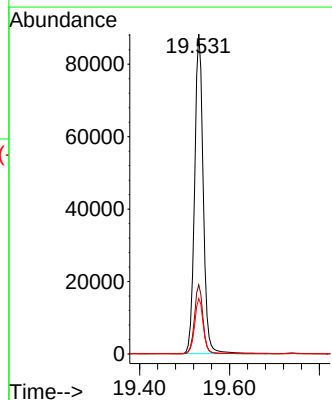
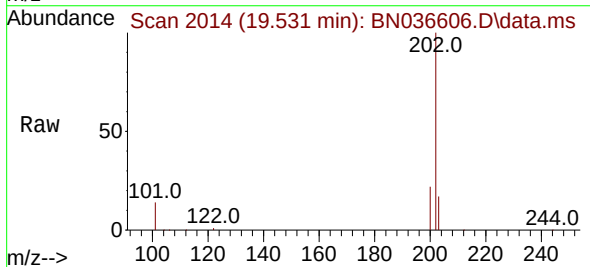


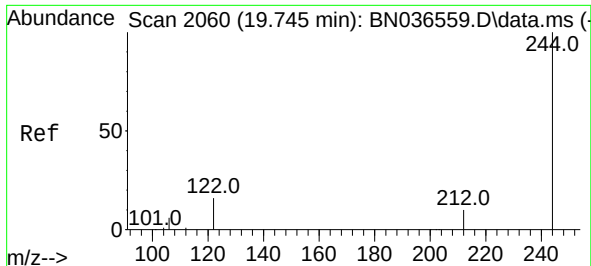
Tgt Ion:240 Resp: 6746
Ion Ratio Lower Upper
240 100
120 12.5 14.6 22.0#
236 29.0 24.1 36.1



#30
Pyrene
Concen: 3.563 ng
RT: 19.531 min Scan# 2014
Delta R.T. -0.004 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion:202 Resp: 117533
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.4 14.1 21.1

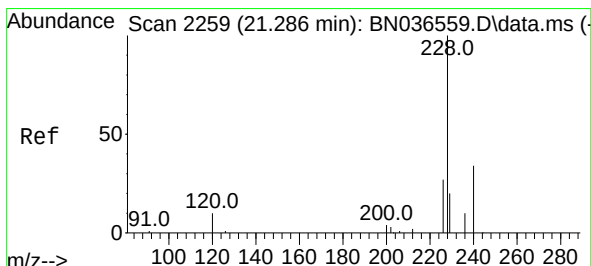
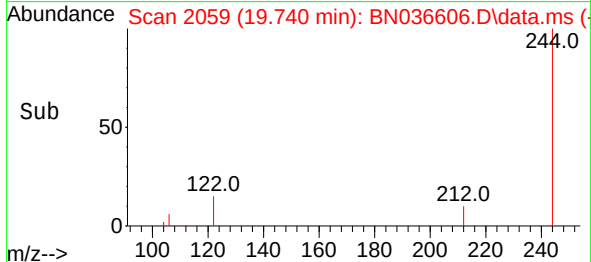
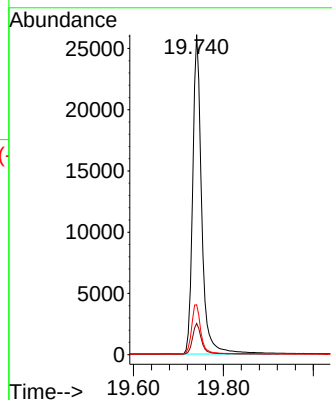
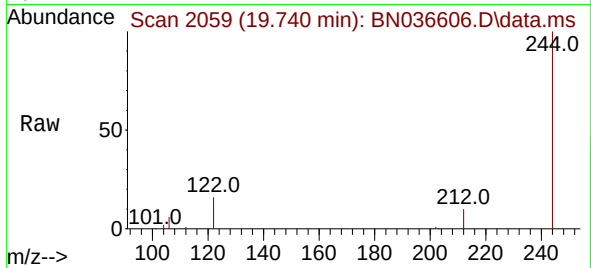




#31
Terphenyl-d14
Concen: 2.251 ng
RT: 19.740 min Scan# 2060
Delta R.T. -0.004 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

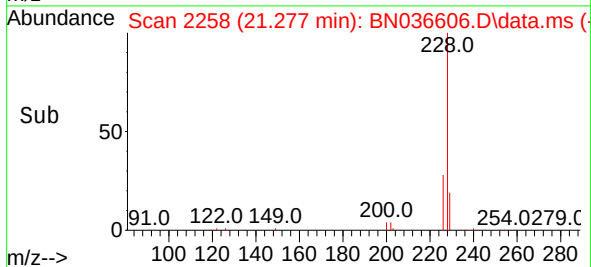
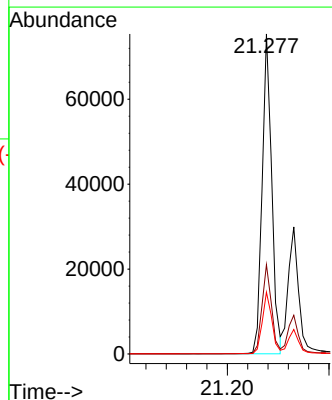
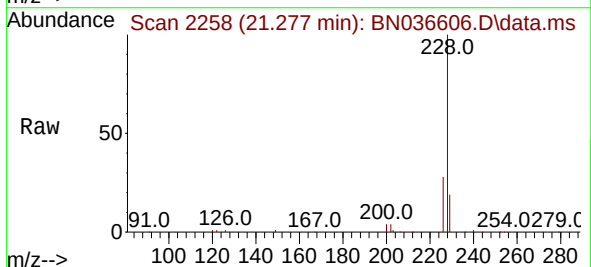
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

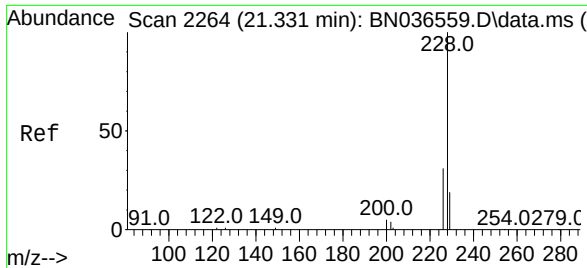
Tgt Ion:244 Resp: 36381
Ion Ratio Lower Upper
244 100
212 9.7 9.6 14.4
122 15.6 13.9 20.9



#32
Benzo(a)anthracene
Concen: 4.189 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion:228 Resp: 98254
Ion Ratio Lower Upper
228 100
226 27.9 22.5 33.7
229 19.3 16.6 25.0





#33

Chrysene

Concen: 1.702 ng

RT: 21.331 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

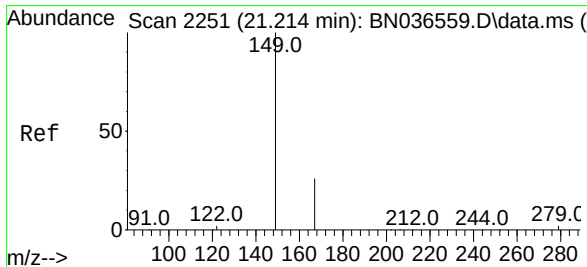
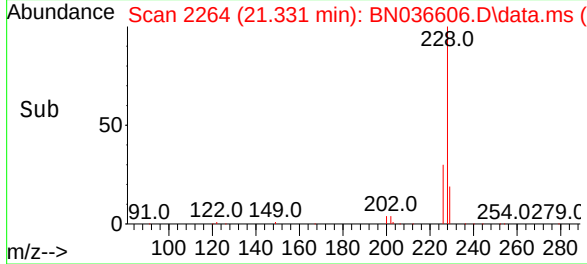
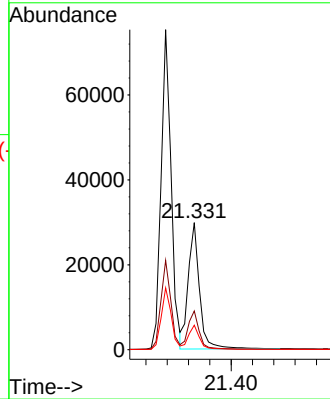
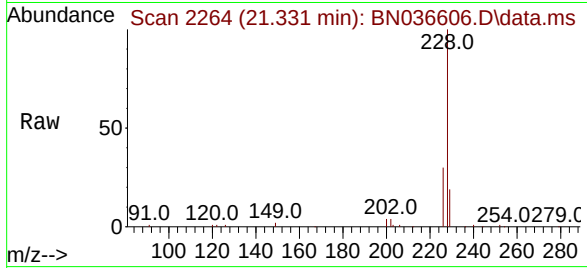
Tgt Ion:228 Resp: 43616

Ion Ratio Lower Upper

228 100

226 30.5 25.3 37.9

229 19.3 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.943 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

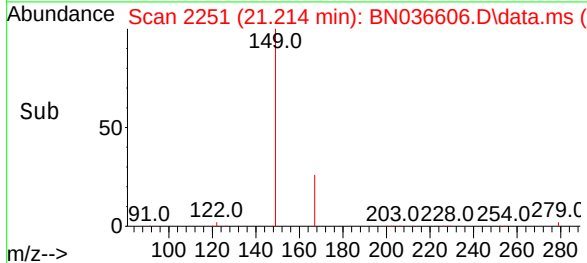
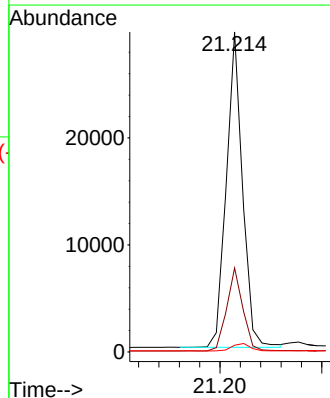
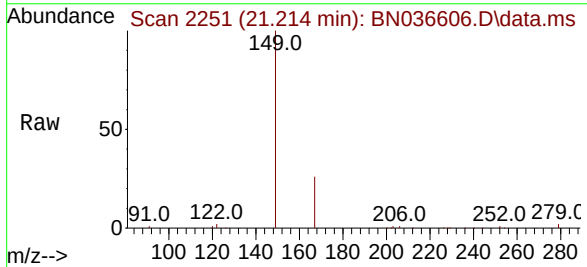
Tgt Ion:149 Resp: 32455

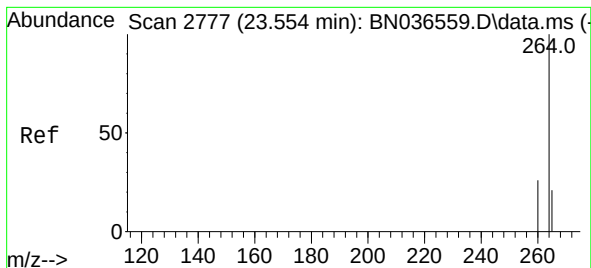
Ion Ratio Lower Upper

149 100

167 26.3 20.7 31.1

279 2.7 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.549 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036606.D

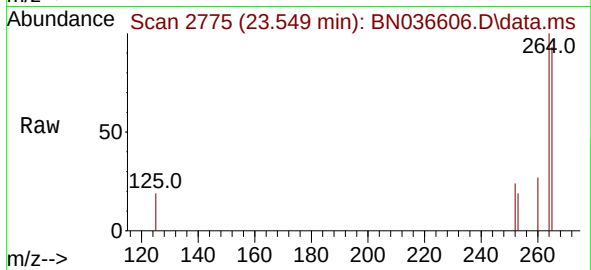
Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL



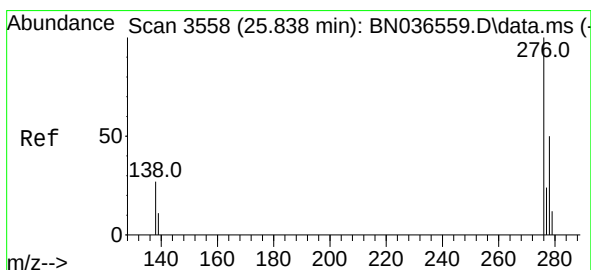
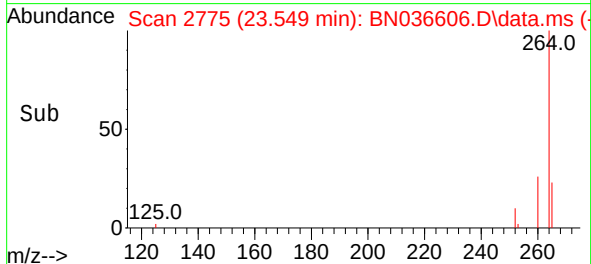
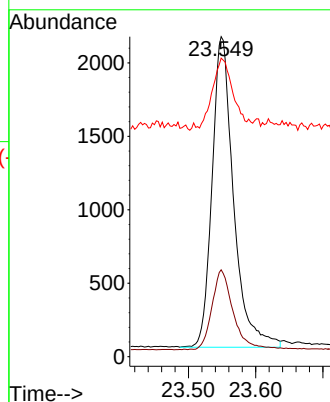
Tgt Ion:264 Resp: 4692

Ion Ratio Lower Upper

264 100

260 27.2 22.6 33.8

265 93.3 88.1 132.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.747 ng

RT: 25.841 min Scan# 3559

Delta R.T. 0.003 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

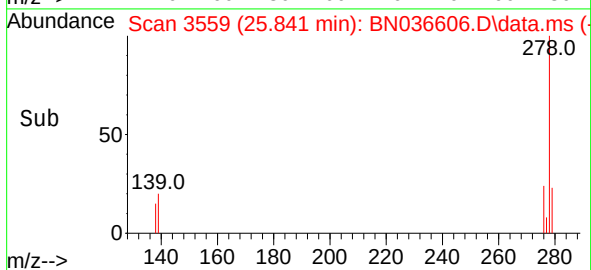
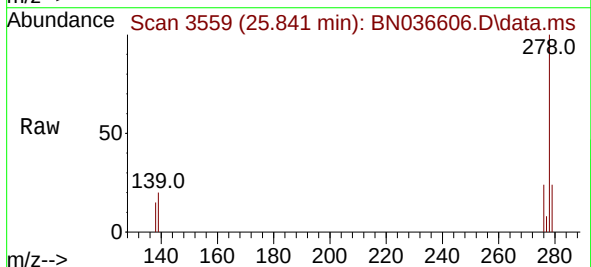
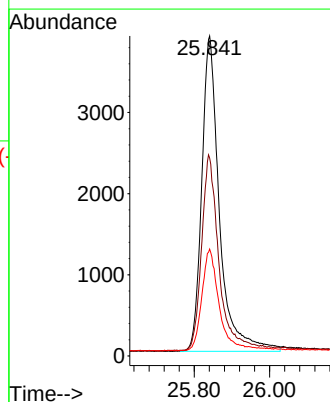
Tgt Ion:276 Resp: 12656

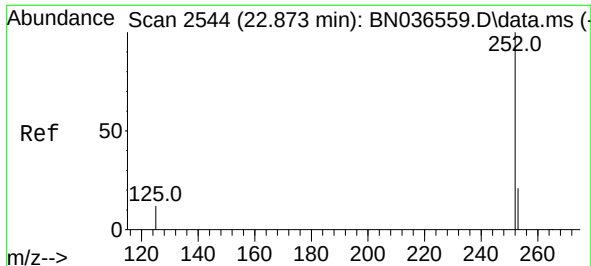
Ion Ratio Lower Upper

276 100

138 60.6 23.4 35.2#

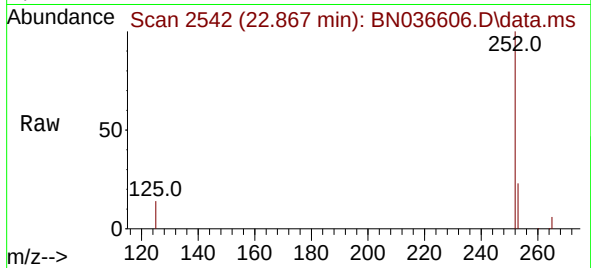
277 30.7 20.0 30.0#



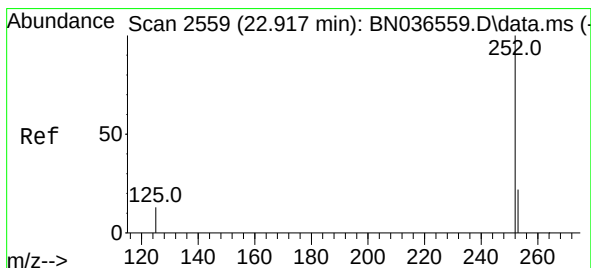
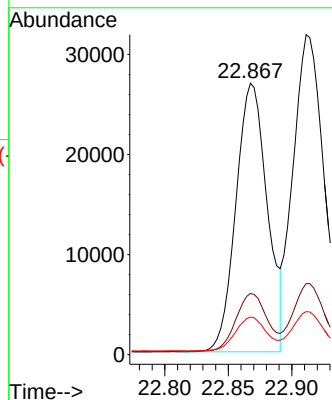


#37
Benzo(b)fluoranthene
Concen: 2.701 ng
RT: 22.867 min Scan# 2542
Delta R.T. -0.006 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

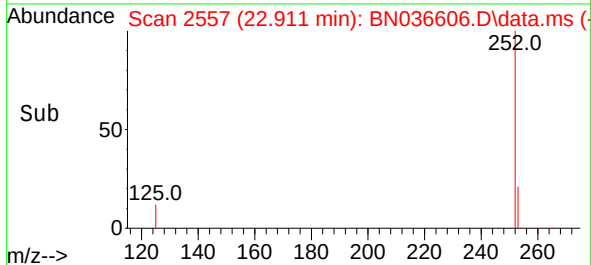
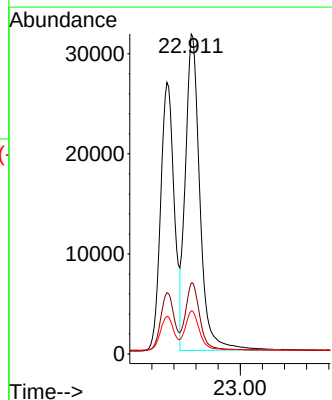
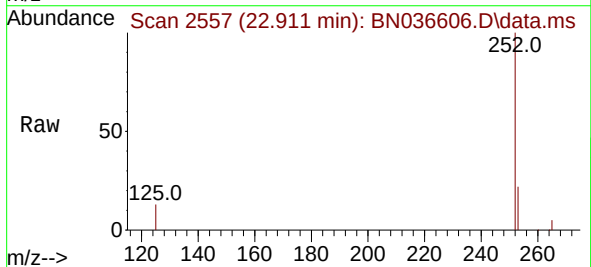


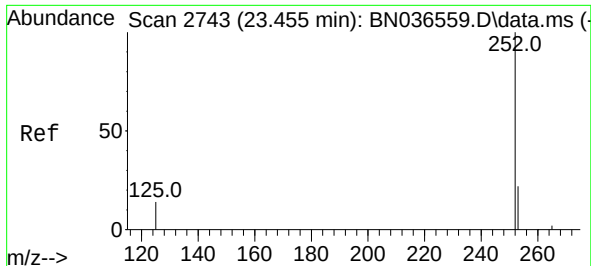
Tgt Ion:252 Resp: 46116
Ion Ratio Lower Upper
252 100
253 22.6 23.9 35.9#
125 13.9 17.4 26.2#



#38
Benzo(k)fluoranthene
Concen: 3.201 ng
RT: 22.911 min Scan# 2557
Delta R.T. -0.006 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Tgt Ion:252 Resp: 57340
Ion Ratio Lower Upper
252 100
253 22.2 24.6 36.8#
125 13.4 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 1.762 ng

RT: 23.449 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036606.D

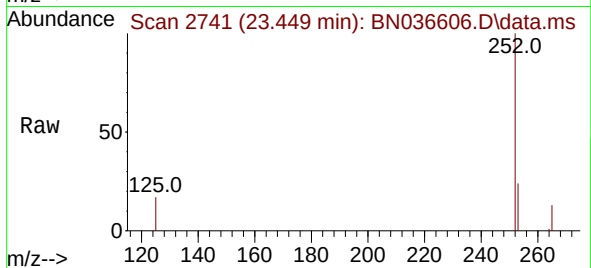
Acq: 14 Mar 2025 13:57

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL



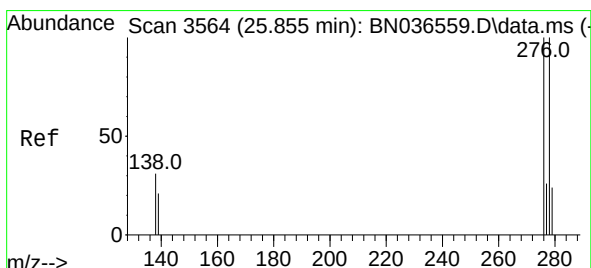
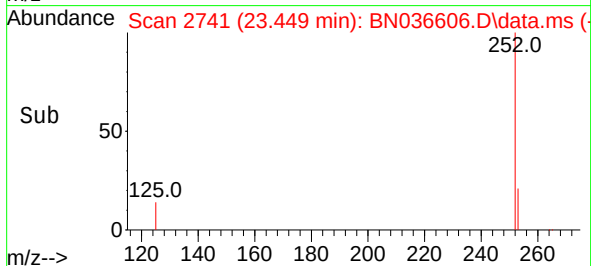
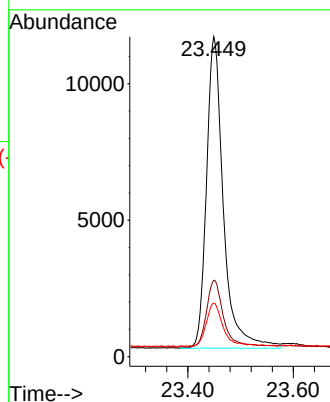
Tgt Ion:252 Resp: 25343

Ion Ratio Lower Upper

252 100

253 23.9 27.8 41.8#

125 16.7 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 3.955 ng

RT: 25.841 min Scan# 3559

Delta R.T. -0.014 min

Lab File: BN036606.D

Acq: 14 Mar 2025 13:57

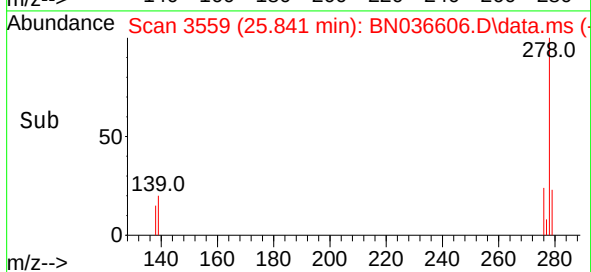
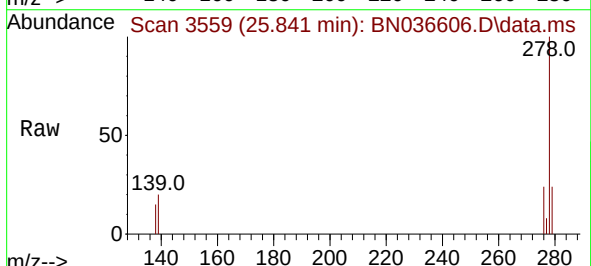
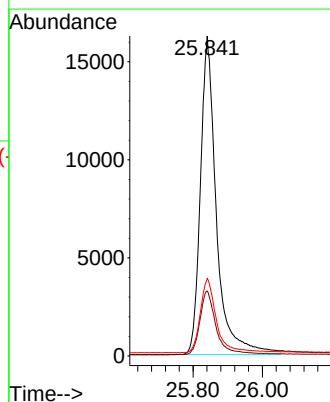
Tgt Ion:278 Resp: 52142

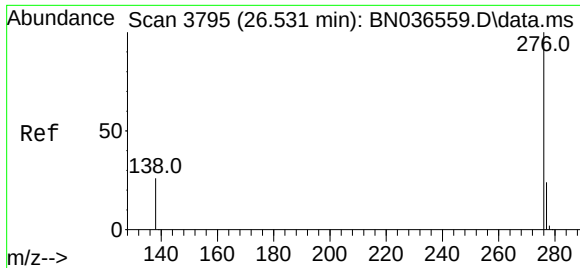
Ion Ratio Lower Upper

278 100

139 20.3 20.8 31.2#

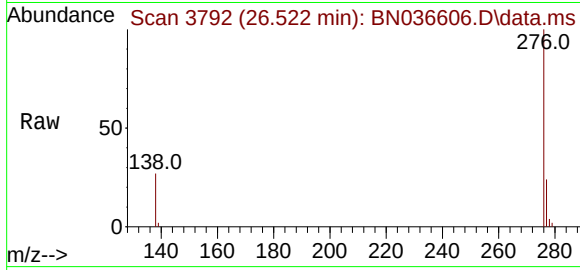
279 24.2 28.8 43.2#





#41
 Benzo(g,h,i)perylene
 Concen: 2.043 ng
 RT: 26.522 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BN036606.D
 Acq: 14 Mar 2025 13:57

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL



Tgt Ion:	276	Resp:	30815
Ion Ratio	Lower	Upper	
276	100		
277	23.7	22.2	33.4
138	26.8	24.1	36.1

