

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)

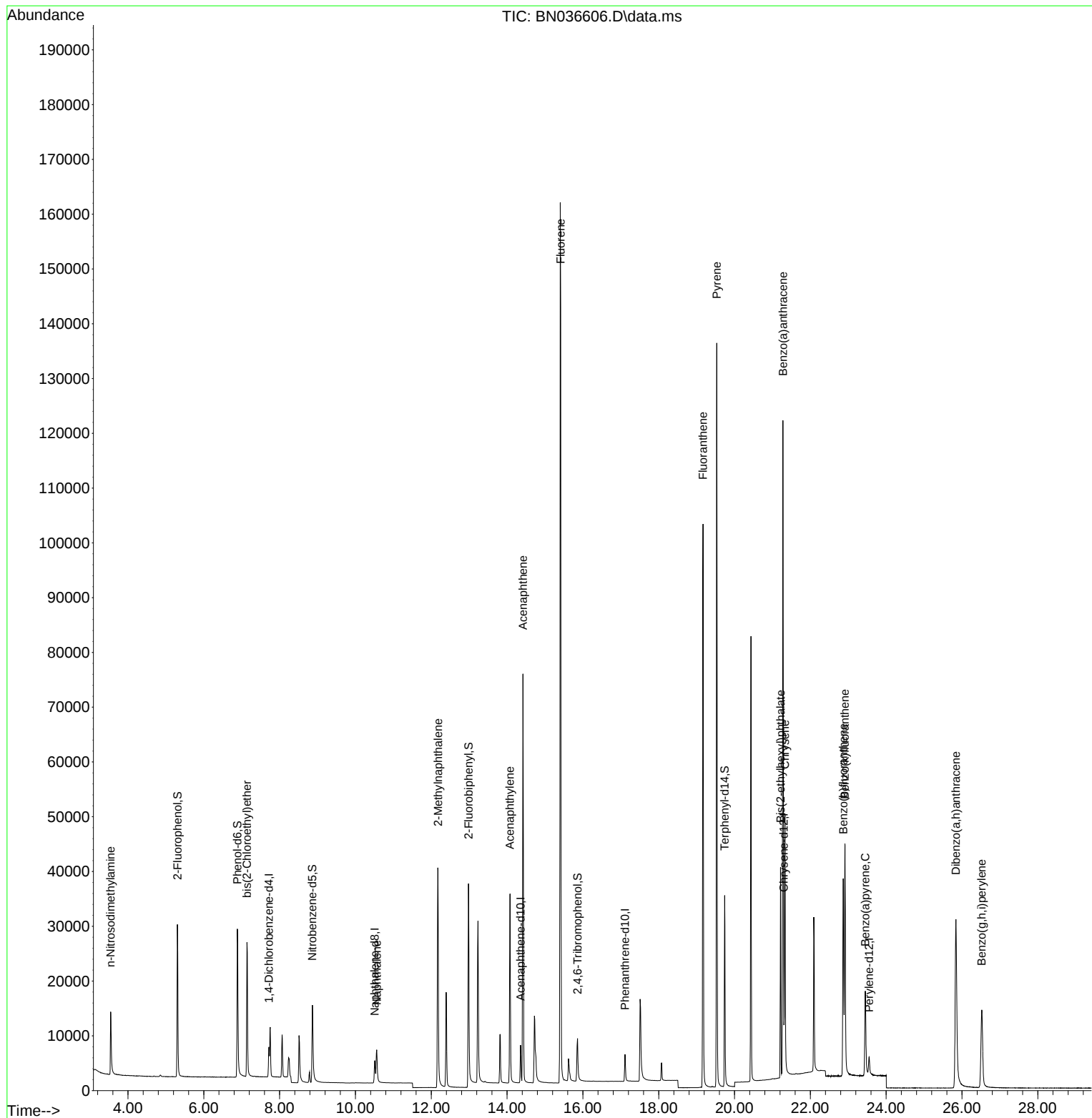
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2560	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6288	0.400	ng	0.00
13) Acenaphthene-d10	14.356	164	3816	0.400	ng	-0.01
19) Phenanthrene-d10	17.111	188	7563	0.400	ng	# 0.00
29) Chrysene-d12	21.295	240	6746	0.400	ng	# 0.00
35) Perylene-d12	23.549	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
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
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

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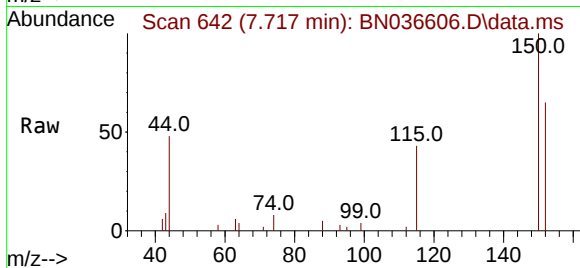
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
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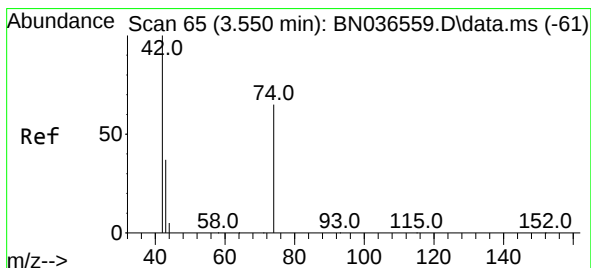
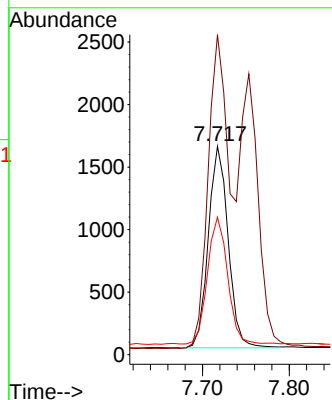
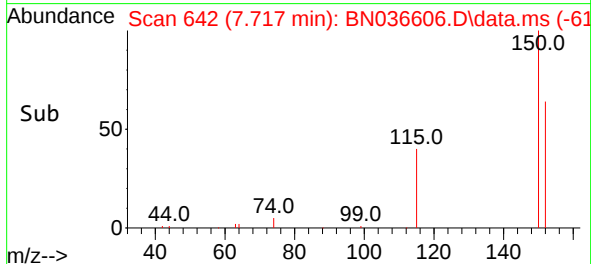


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

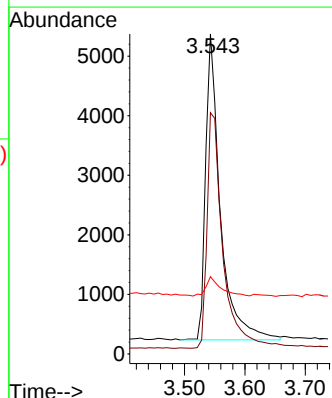
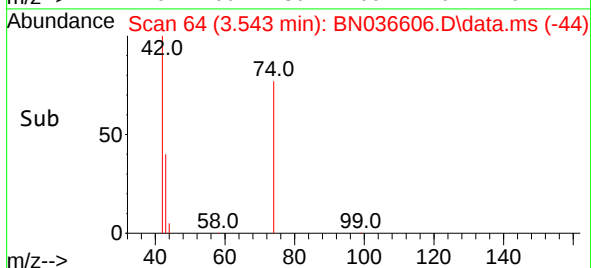
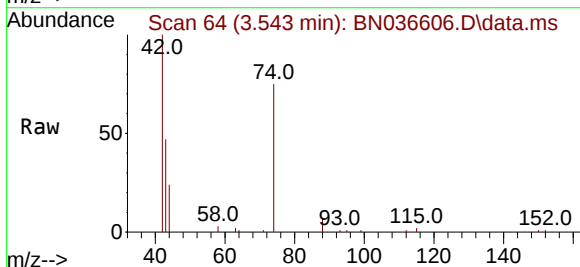


Tgt Ion:152 Resp: 2560
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 65.9 54.3 81.5



#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

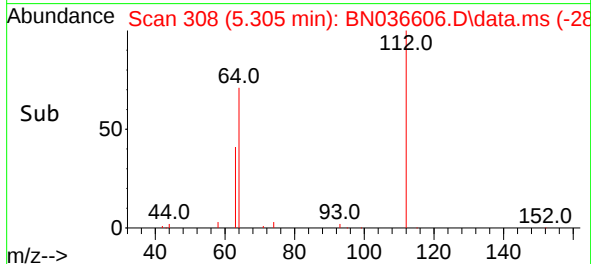
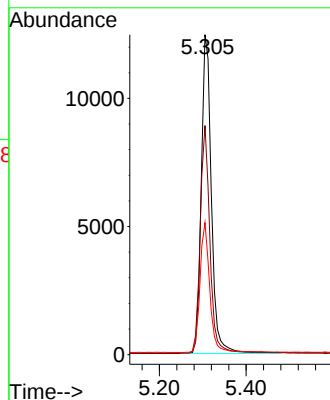
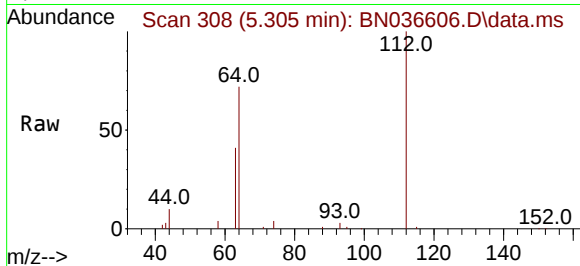




#4
2-Fluorophenol
Concen: 3.369 ng
RT: 5.305 min Scan# 309
Delta R.T. -0.007 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

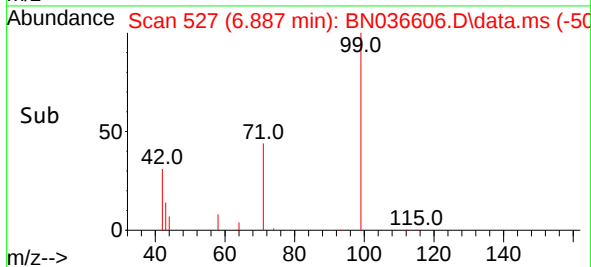
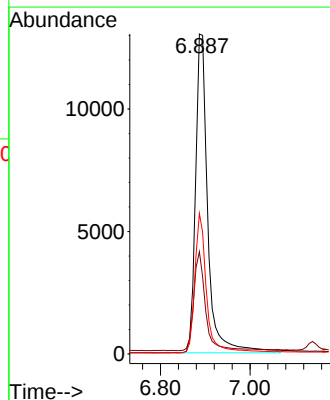
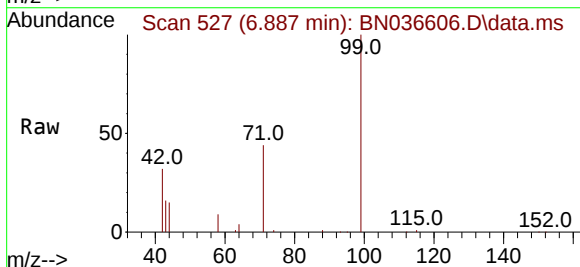
Instrument :
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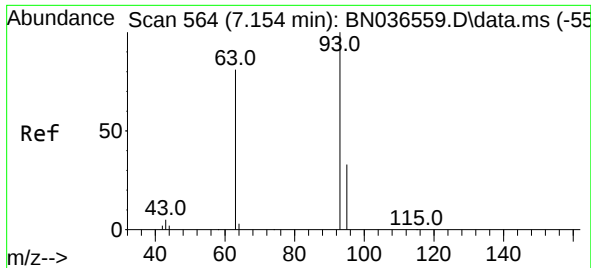
Tgt Ion:112 Resp: 20098
Ion Ratio Lower Upper
112 100
64 69.1 53.1 79.7
63 39.8 31.8 47.8



#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

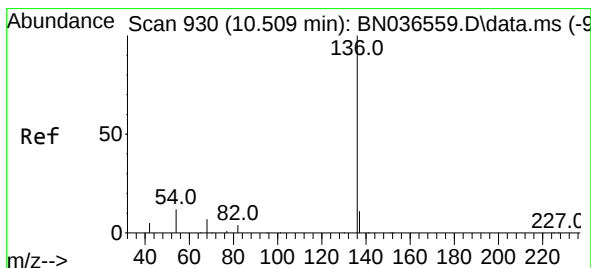
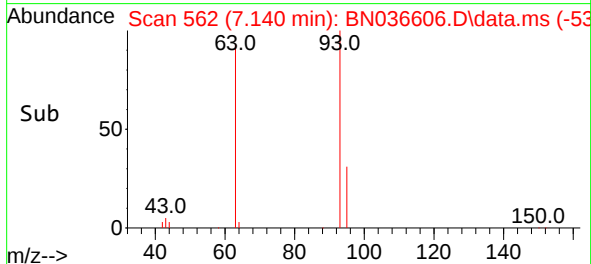
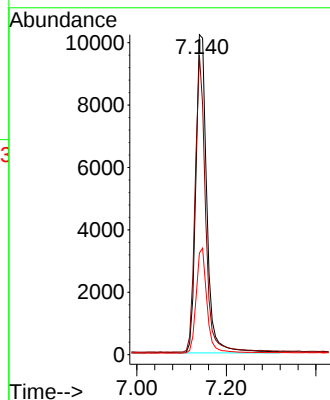
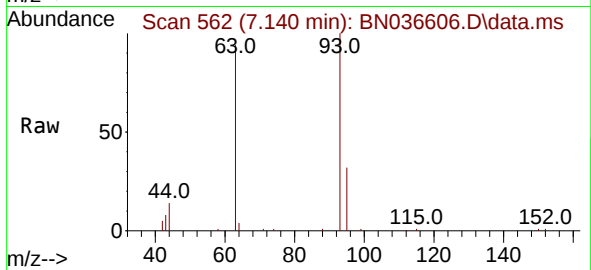




#6
bis(2-Chloroethyl)ether
Concen: 2.293 ng
RT: 7.140 min Scan# 564
Delta R.T. -0.014 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

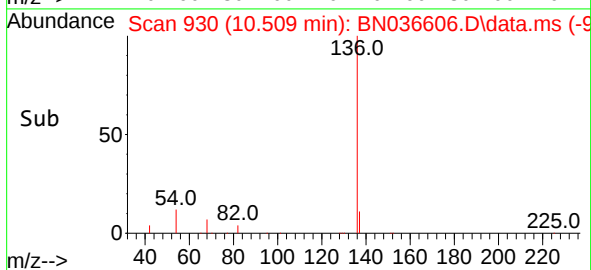
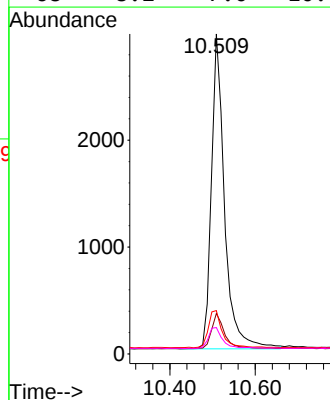
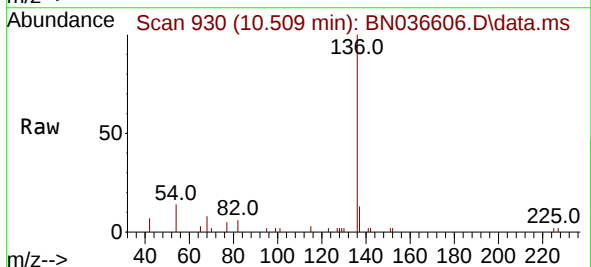
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

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

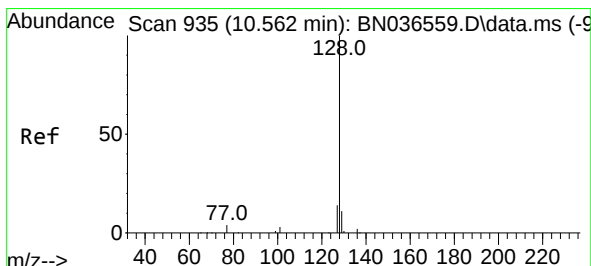
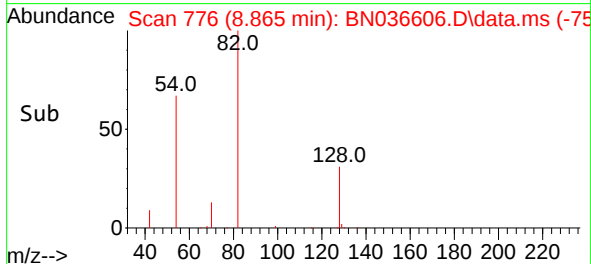
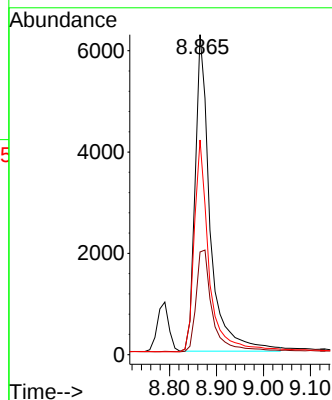
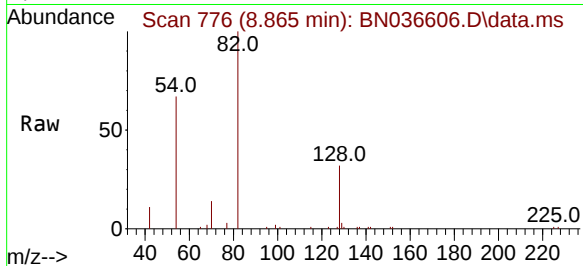




#8
Nitrobenzene-d5
Concen: 2.030 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.010 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

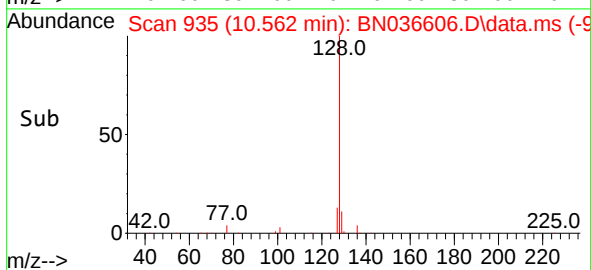
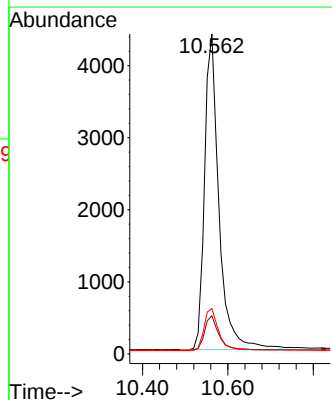
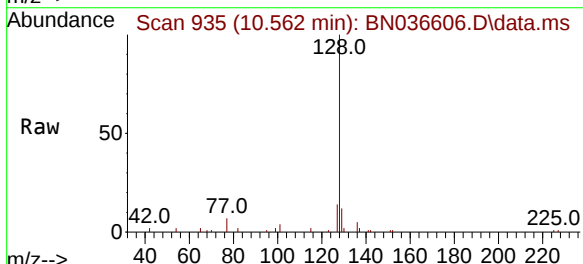
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

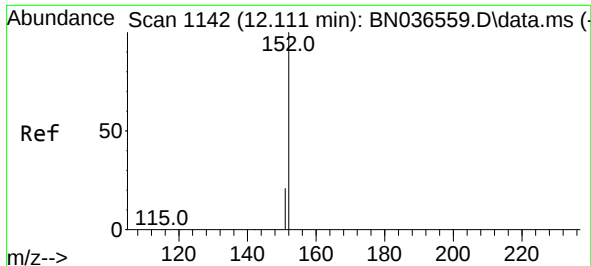
Tgt Ion: 82 Resp: 13888
Ion Ratio Lower Upper
82 100
128 32.1 30.6 45.8
54 67.1 52.2 78.4



#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

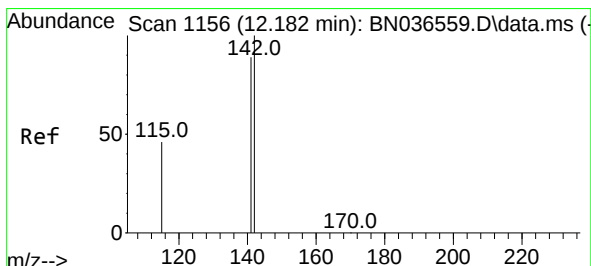
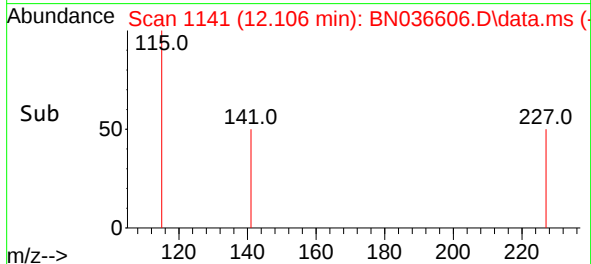
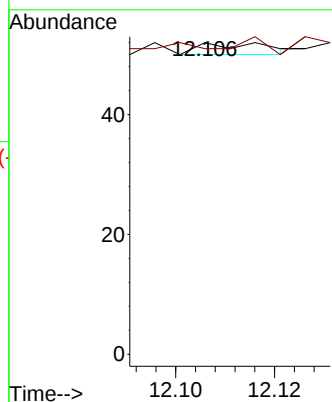
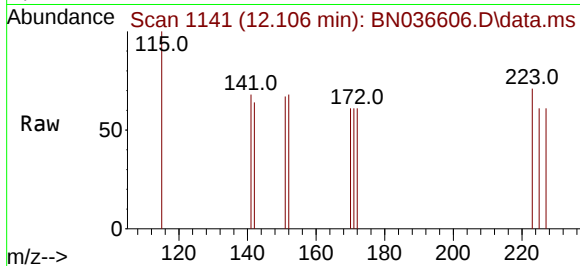




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.005 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

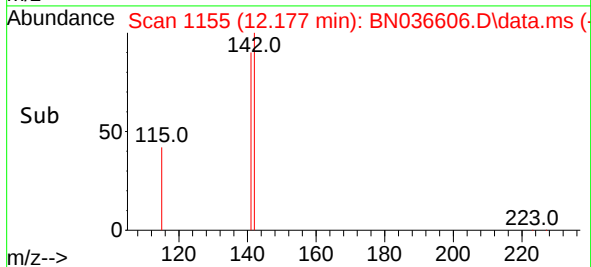
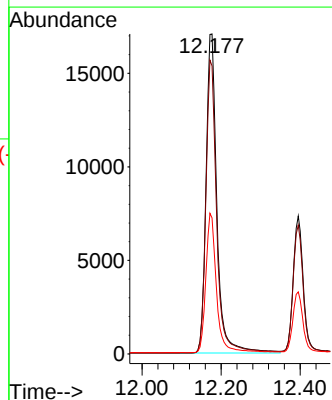
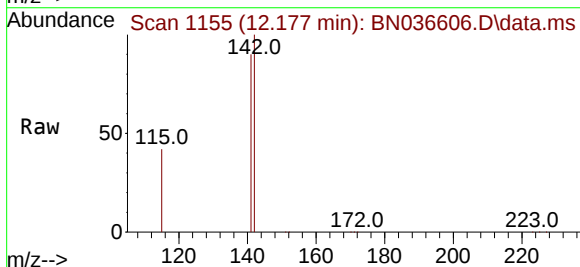
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PT-BN-WPDL

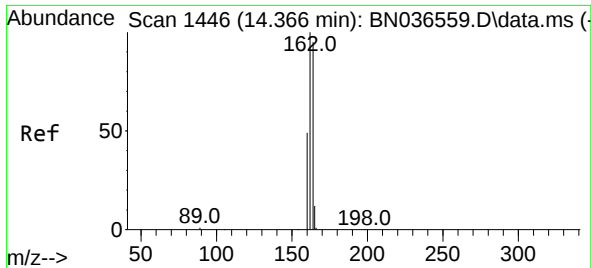
Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 50.0 17.0 25.6#



#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

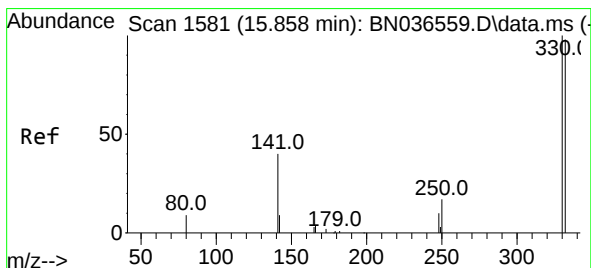
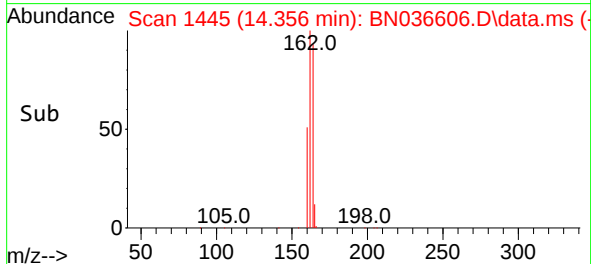
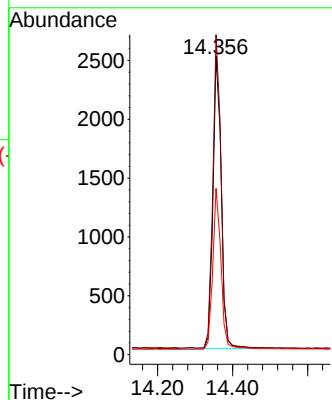
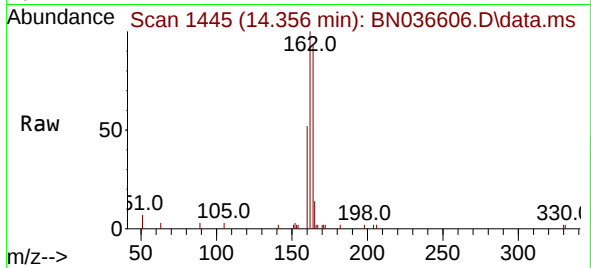




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.010 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

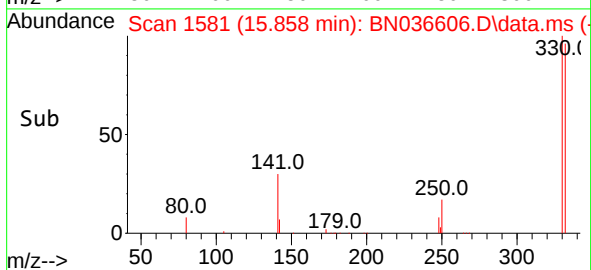
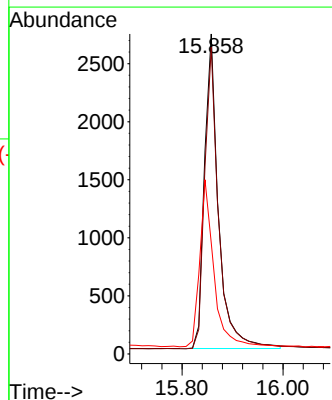
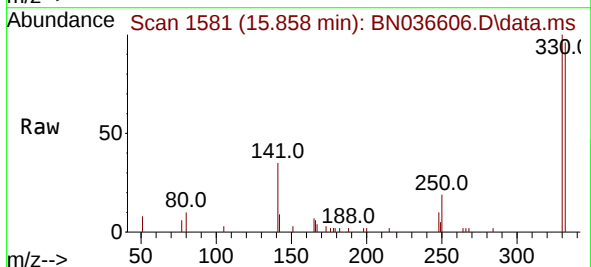
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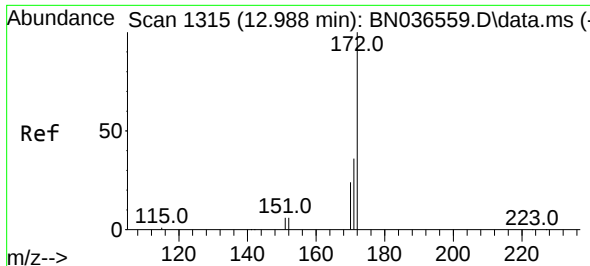
Tgt Ion:164 Resp: 3816
Ion Ratio Lower Upper
164 100
162 107.2 84.2 126.2
160 55.7 42.2 63.2



#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

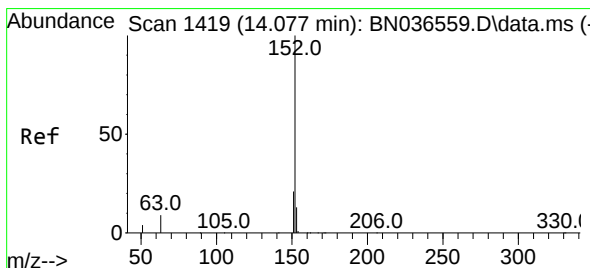
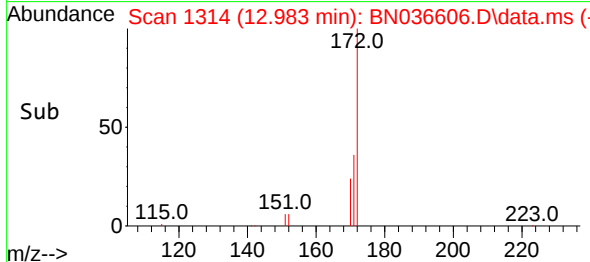
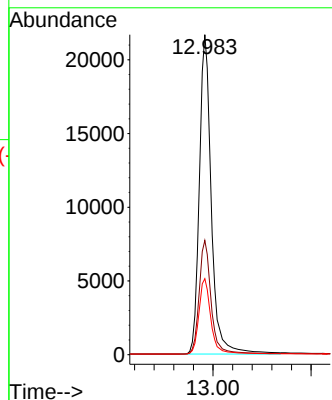
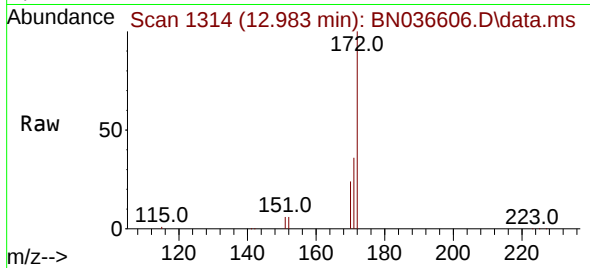




#15
2-Fluorobiphenyl
Concen: 2.366 ng
RT: 12.983 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

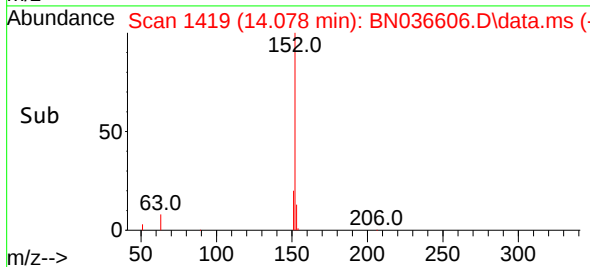
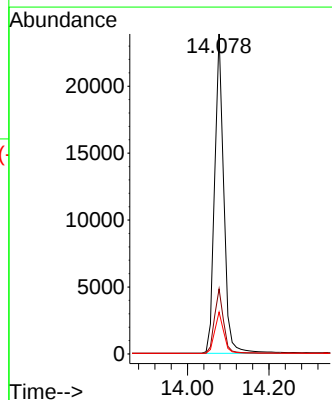
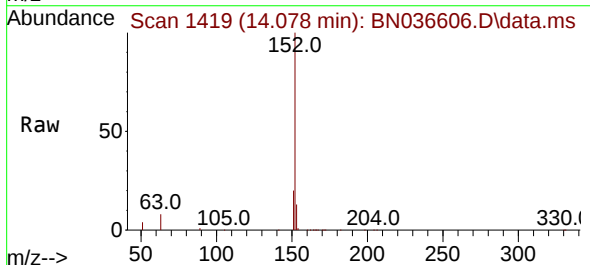
Instrument :
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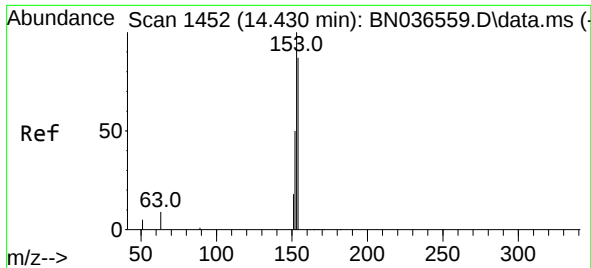
Tgt Ion:172 Resp: 52513
Ion Ratio Lower Upper
172 100
171 35.7 29.5 44.3
170 23.8 20.2 30.4



#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

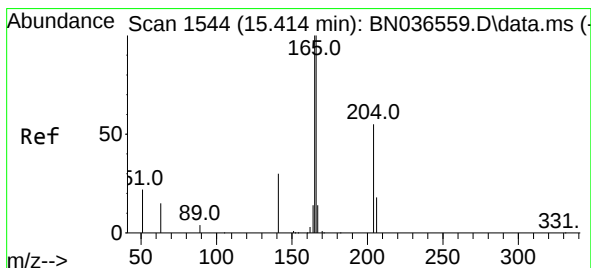
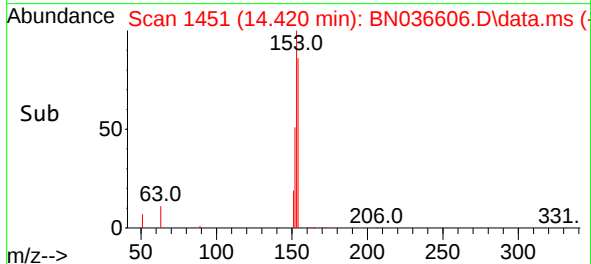
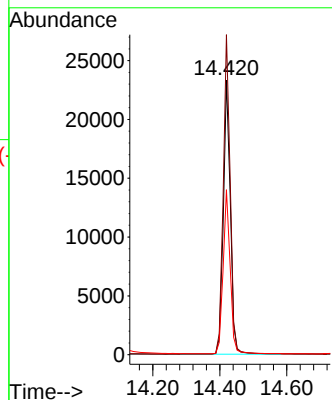
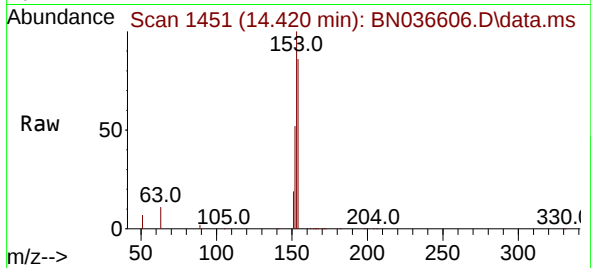




#17
Acenaphthene
Concen: 2.849 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.010 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

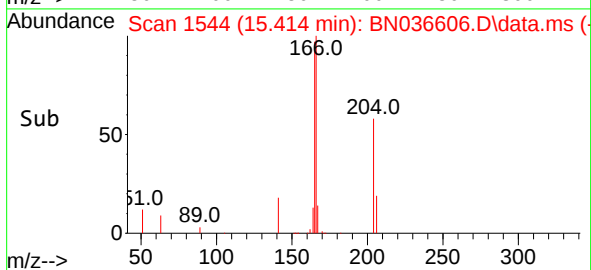
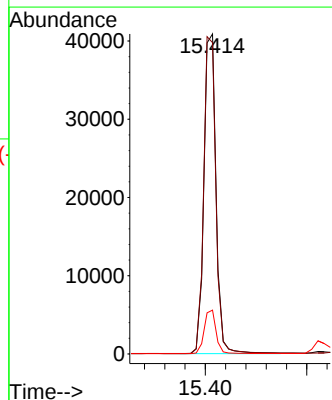
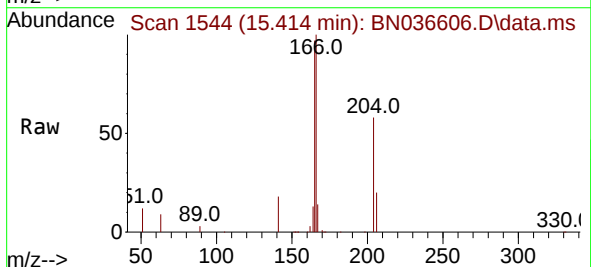
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

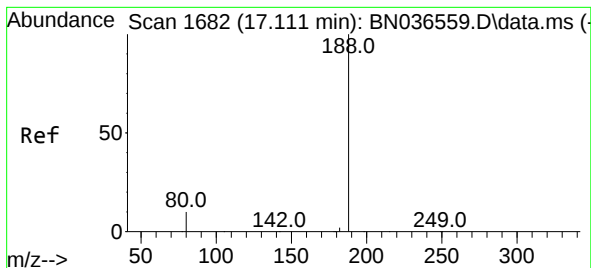
Tgt Ion:154 Resp: 33581
Ion Ratio Lower Upper
154 100
153 116.2 94.1 141.1
152 60.4 49.8 74.6



#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

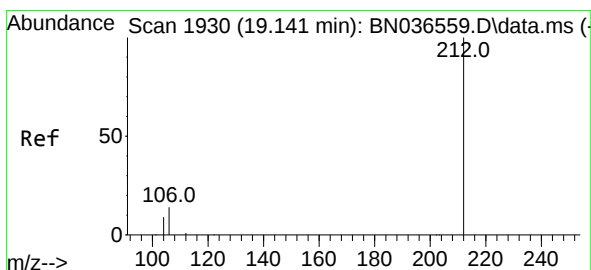
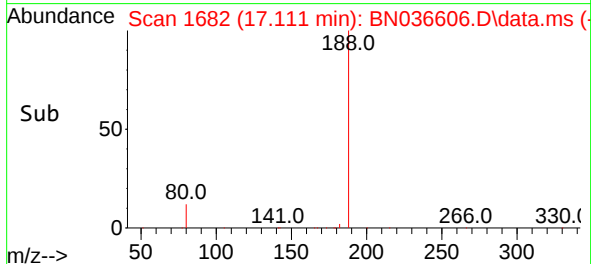
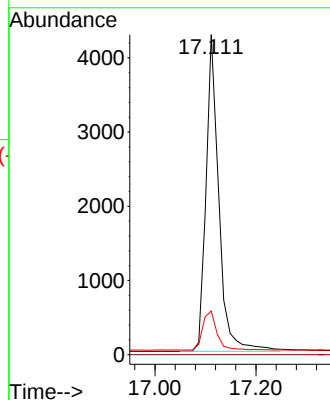
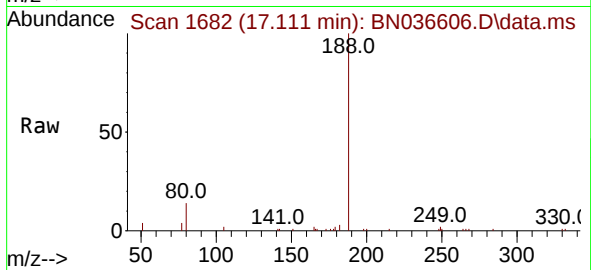
Tgt Ion:188 Resp: 7563

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.7 8.8 13.2#



#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

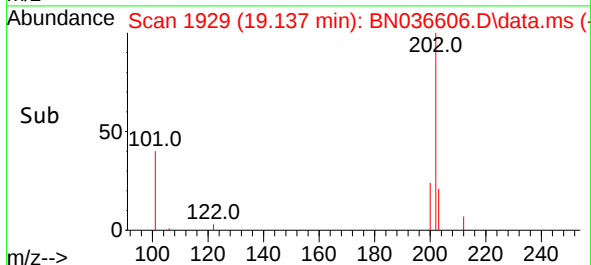
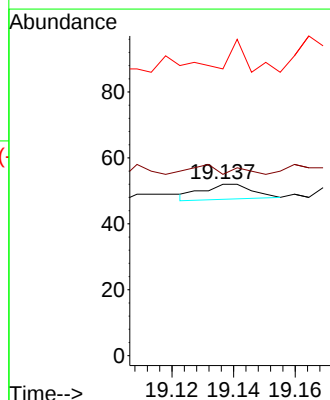
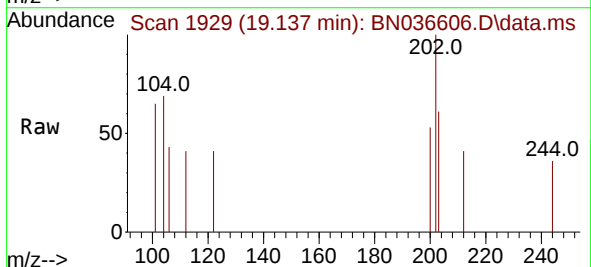
Tgt Ion:212 Resp: 5

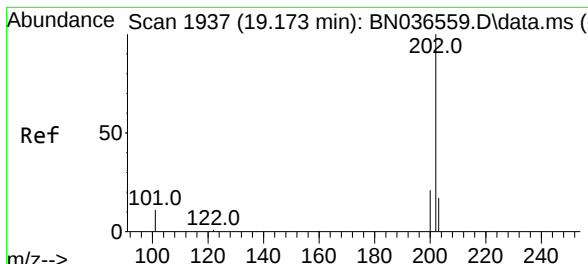
Ion Ratio Lower Upper

212 100

106 60.0 11.8 17.6#

104 80.0 7.3 10.9#

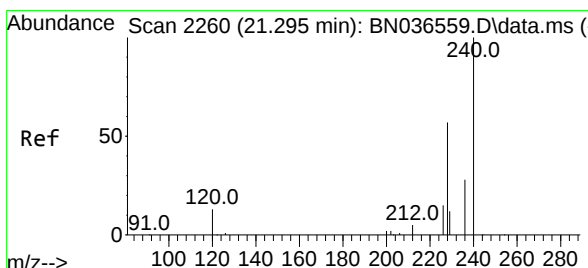
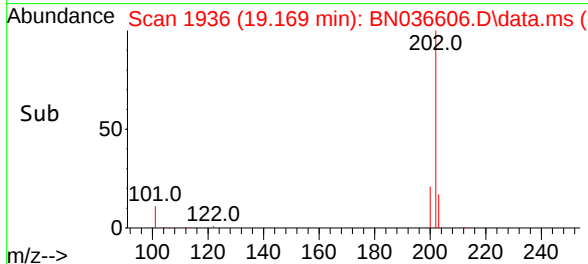
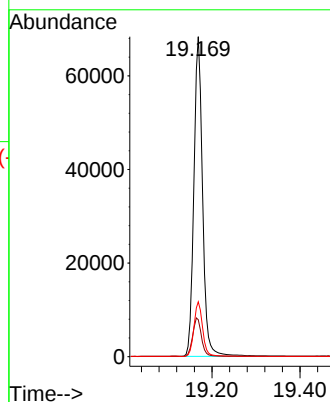
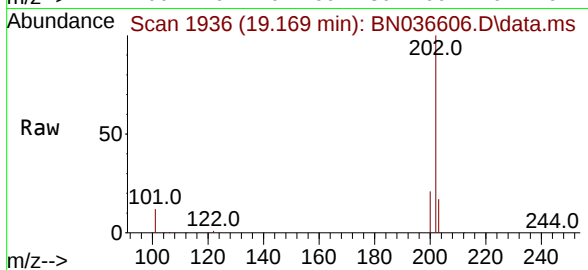




#28
Fluoranthene
Concen: 3.683 ng
RT: 19.169 min Scan# 1936
Delta R.T. -0.004 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

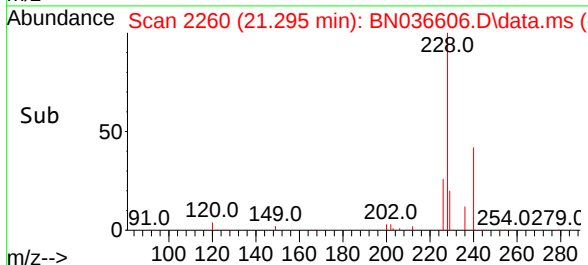
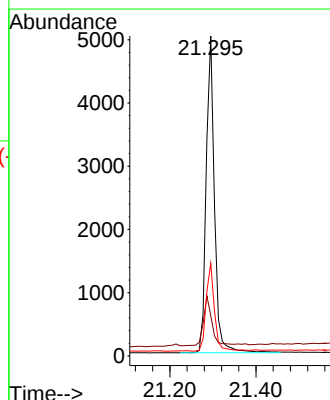
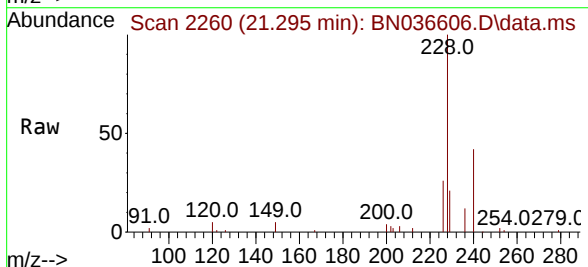
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

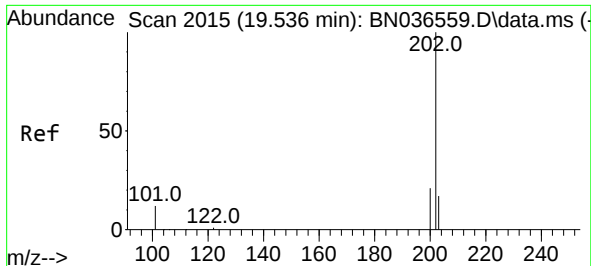
Tgt Ion:202 Resp: 93875
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
203 17.1 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

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

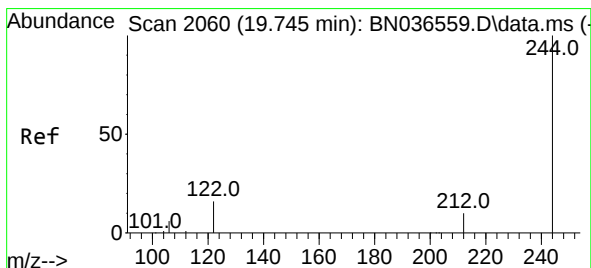
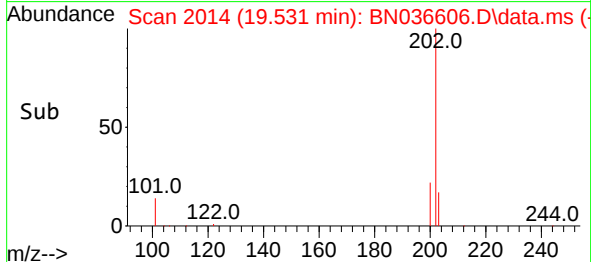
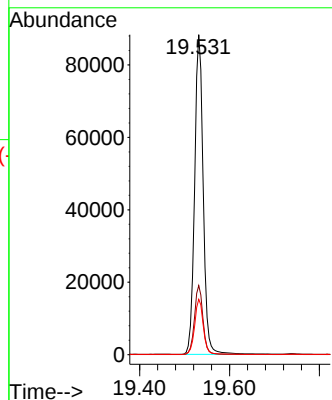
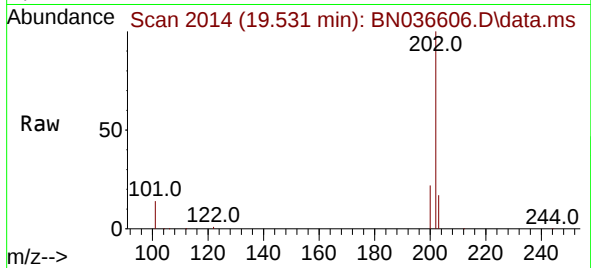




#30
Pyrene
Concen: 3.563 ng
RT: 19.531 min Scan# 20
Delta R.T. -0.004 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

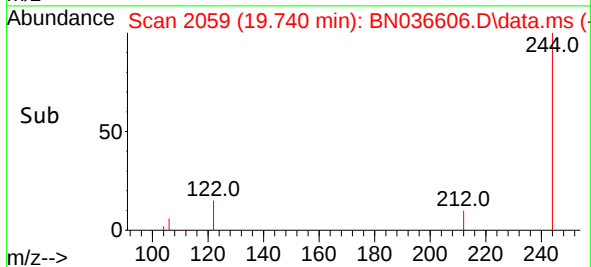
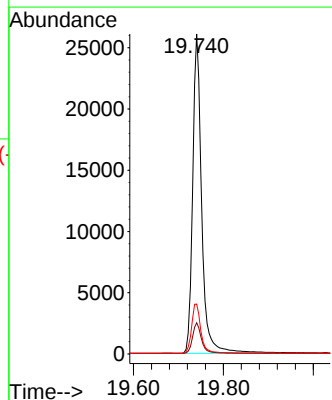
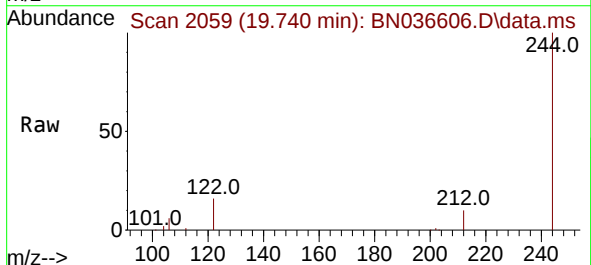
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

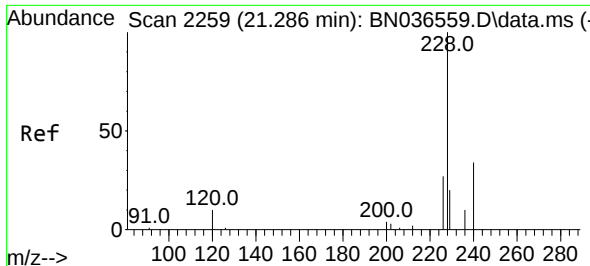
Tgt Ion:202 Resp: 117533
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.4 14.1 21.1



#31
Terphenyl-d14
Concen: 2.251 ng
RT: 19.740 min Scan# 2059
Delta R.T. -0.004 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

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

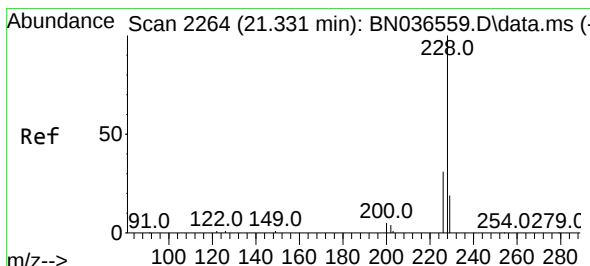
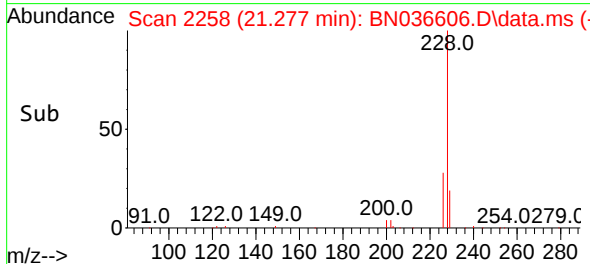
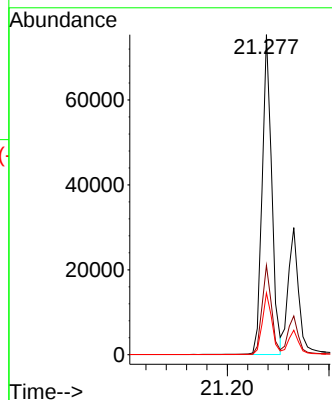
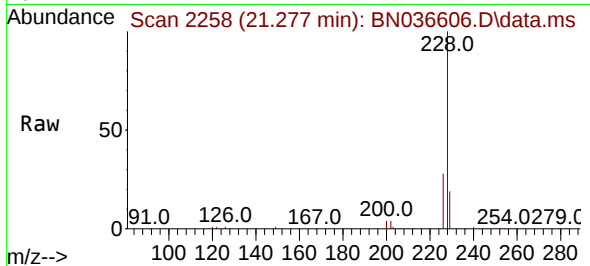




#32
Benzo(a)anthracene
Concen: 4.189 ng
RT: 21.277 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

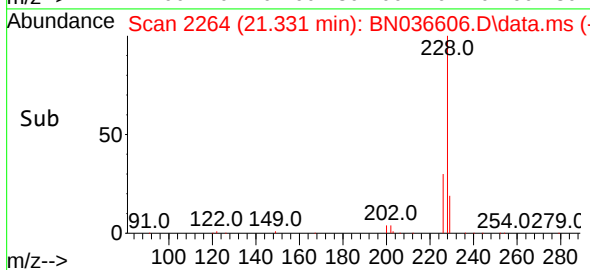
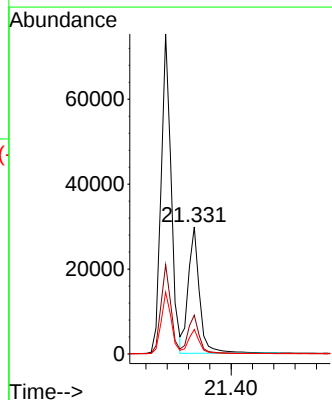
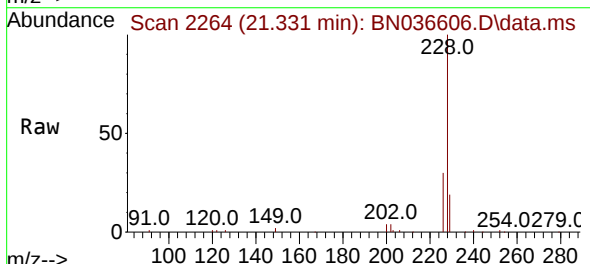
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

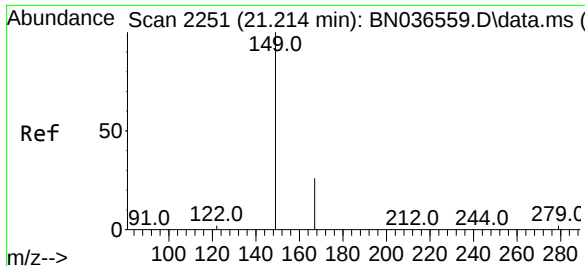
Tgt Ion:228 Resp: 98254
Ion Ratio Lower Upper
228 100
226 27.9 22.5 33.7
229 19.3 16.6 25.0



#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

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

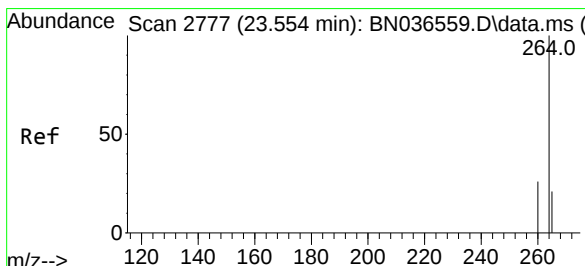
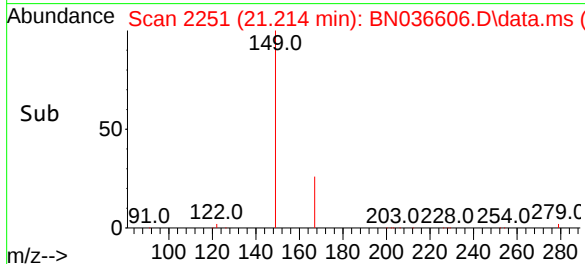
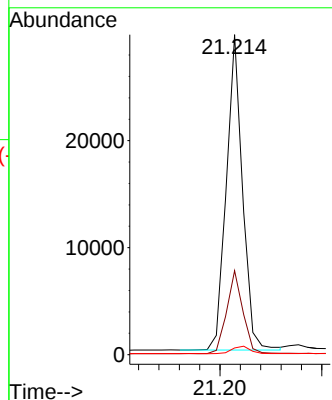
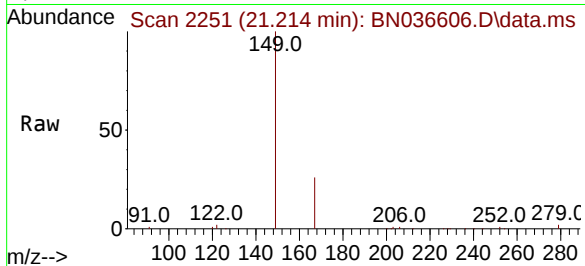




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.943 ng
 RT: 21.214 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN036606.D
 Acq: 14 Mar 2025 13:57

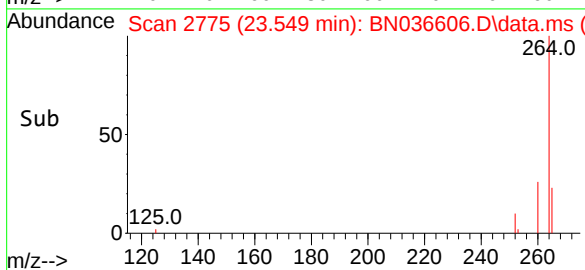
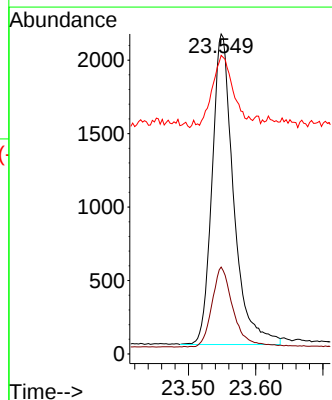
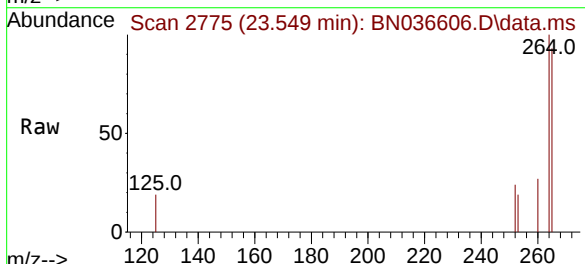
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

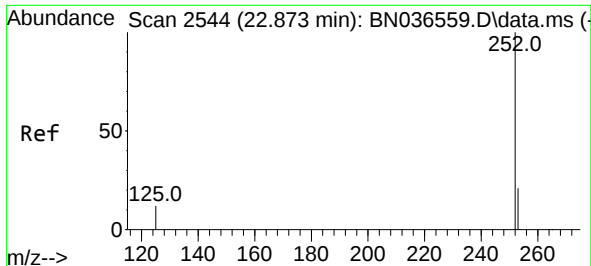
Tgt Ion:149 Resp: 32455
 Ion Ratio Lower Upper
 149 100
 167 26.3 20.7 31.1
 279 2.7 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.549 min Scan# 2775
 Delta R.T. -0.006 min
 Lab File: BN036606.D
 Acq: 14 Mar 2025 13:57

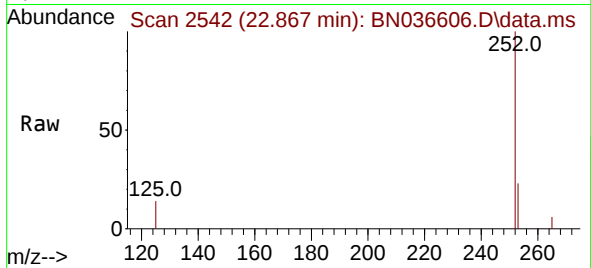
Tgt Ion:264 Resp: 4692
 Ion Ratio Lower Upper
 264 100
 260 27.2 22.6 33.8
 265 93.3 88.1 132.1



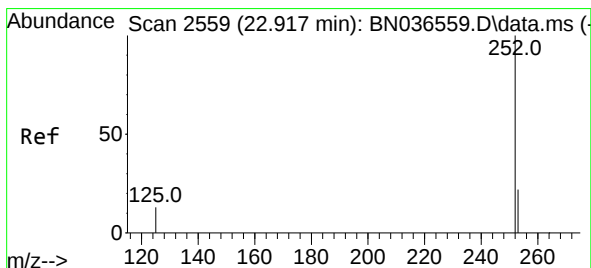
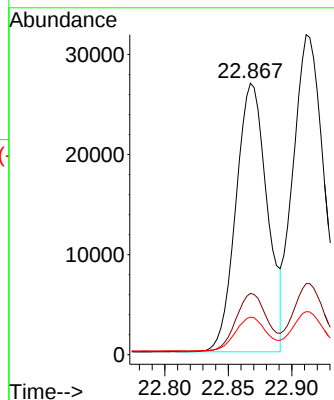


#37
Benzo(b)fluoranthene
Concen: 2.701 ng
RT: 22.867 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

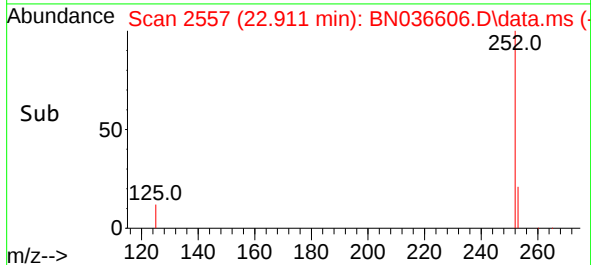
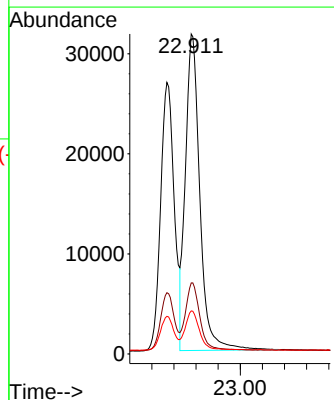
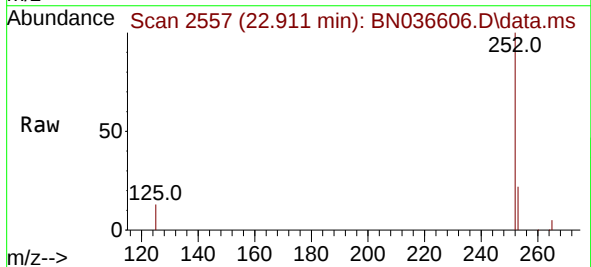


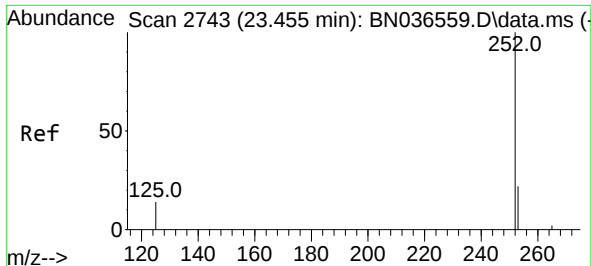
Tgt Ion:252 Resp: 46116
Ion Ratio Lower Upper
252 100
253 22.6 23.9 35.9#
125 13.9 17.4 26.2#



#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

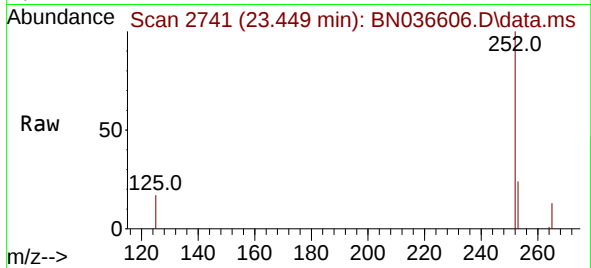
Tgt Ion:252 Resp: 57340
Ion Ratio Lower Upper
252 100
253 22.2 24.6 36.8#
125 13.4 17.8 26.8#



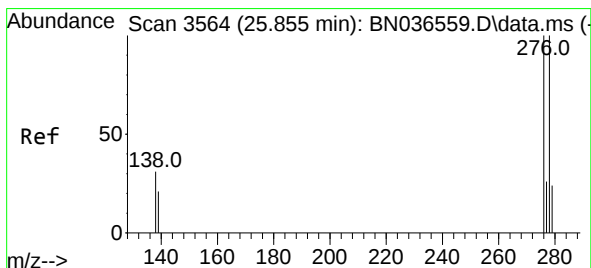
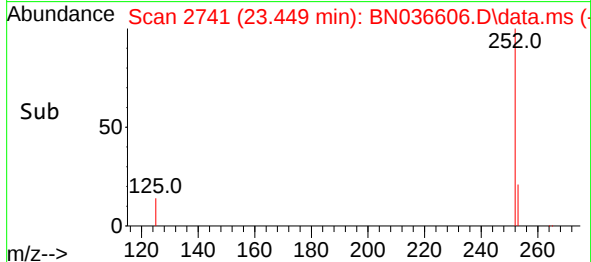
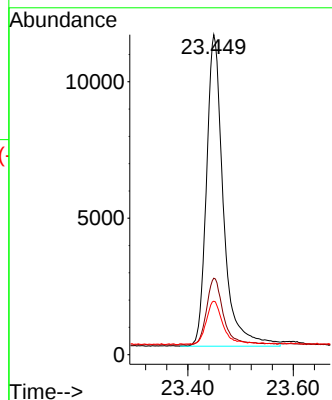


#39
Benzo(a)pyrene
Concen: 1.762 ng
RT: 23.449 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036606.D
Acq: 14 Mar 2025 13:57

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

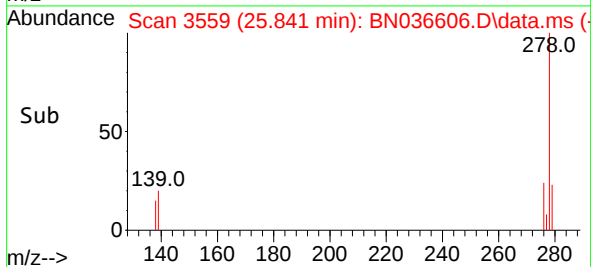
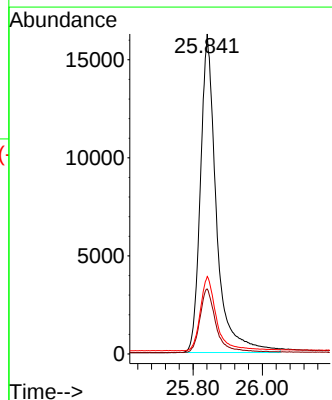
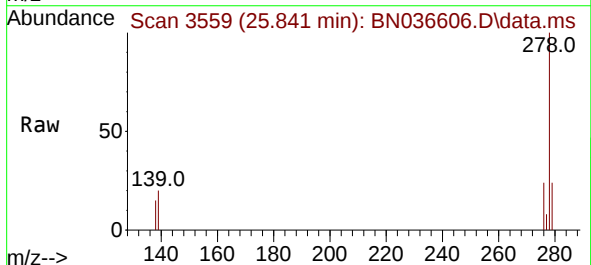


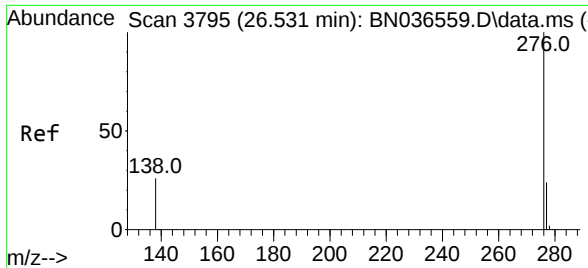
Tgt Ion:252 Resp: 25343
Ion Ratio Lower Upper
252 100
253 23.9 27.8 41.8#
125 16.7 22.7 34.1#



#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

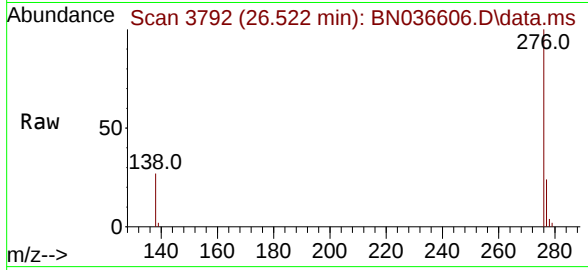
Tgt Ion:278 Resp: 52142
Ion Ratio Lower Upper
278 100
139 20.3 20.8 31.2#
279 24.2 28.8 43.2#





#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

