

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011025\
 Data File : BN035906.D
 Acq On : 10 Jan 2025 17:45
 Operator : RC/JU
 Sample : Q1040-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250108

Quant Time: Jan 10 21:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN010225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 02 15:39:17 2025
 Response via : Initial Calibration

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

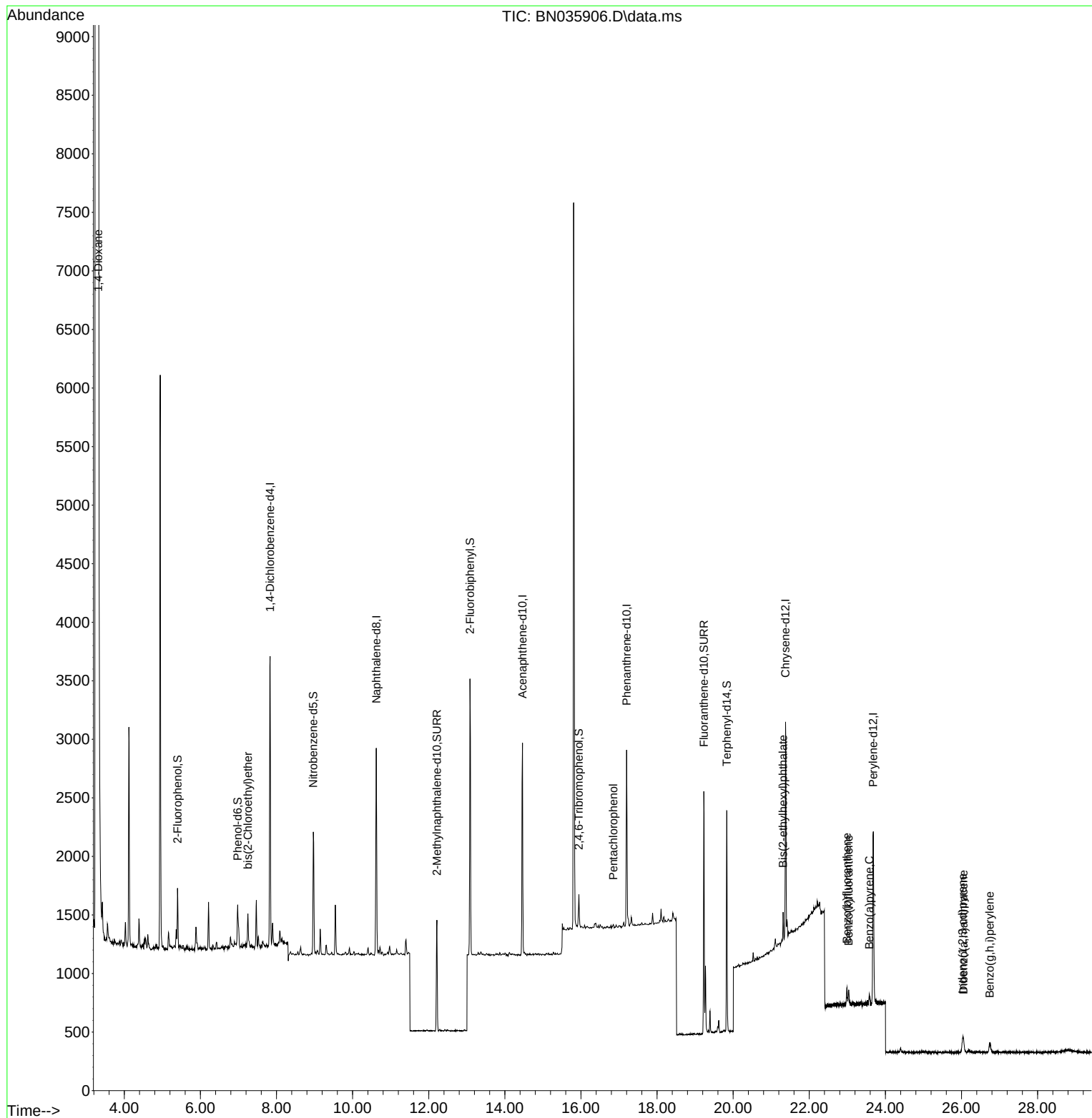
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	1117	0.400	ng	0.00
7) Naphthalene-d8	10.622	136	2161	0.400	ng	0.00
13) Acenaphthene-d10	14.463	164	1003	0.400	ng	0.00
19) Phenanthrene-d10	17.199	188	1938	0.400	ng	#-0.01
29) Chrysene-d12	21.376	240	1723	0.400	ng	0.00
35) Perylene-d12	23.681	264	1969	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.398	112	369	0.135	ng	-0.01
5) Phenol-d6	6.979	99	263	0.077	ng	0.00
8) Nitrobenzene-d5	8.967	82	783	0.458	ng	-0.01
11) 2-Methylnaphthalene-d10	12.213	152	1221	0.422	ng	0.00
14) 2,4,6-Tribromophenol	15.945	330	147	0.305	ng	-0.01
15) 2-Fluorobiphenyl	13.084	172	1949	0.443	ng	0.00
27) Fluoranthene-d10	19.230	212	2268	0.471	ng	0.00
31) Terphenyl-d14	19.834	244	1799	0.524	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.318	88	10532	9.493	ng	96
6) bis(2-Chloroethyl)ether	7.247	93	162	0.062	ng	# 76
24) Pentachlorophenol	16.851	266	23	0.036	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.313	149	220	0.089	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.028	276	201	0.026	ng	# 66
37) Benzo(b)fluoranthene	22.988	252	201	0.030	ng	# 14
38) Benzo(k)fluoranthene	23.034	252	171	0.026	ng	# 11
39) Benzo(a)pyrene	23.578	252	143	0.024	ng	# 1
40) Dibenzo(a,h)anthracene	26.055	278	144	0.023	ng	# 5
41) Benzo(g,h,i)perylene	26.742	276	173	0.025	ng	# 25

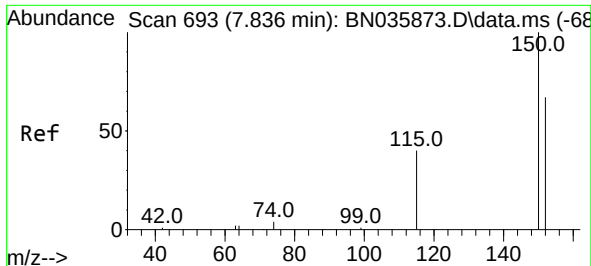
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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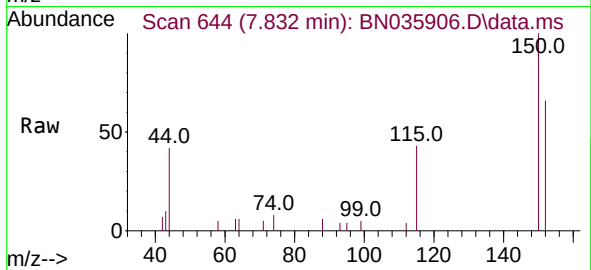
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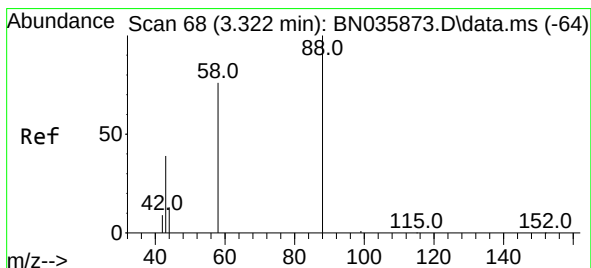
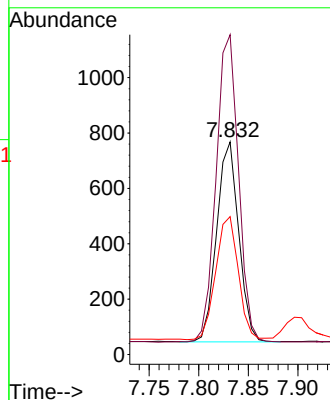
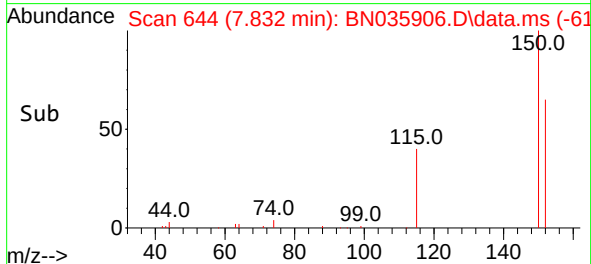


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.832 min Scan# 64
 Delta R.T. -0.004 min
 Lab File: BN035906.D
 Acq: 10 Jan 2025 17:45

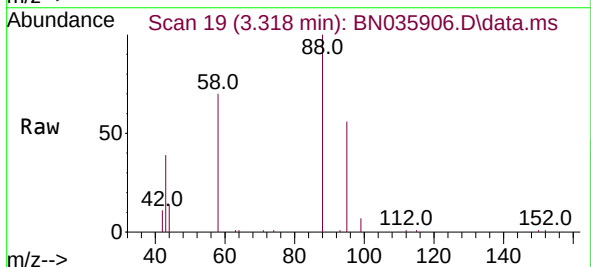
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250108



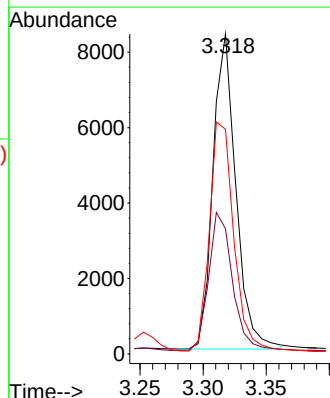
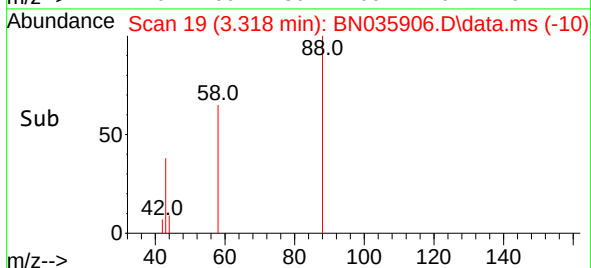
Tgt Ion:152 Resp: 1117
 Ion Ratio Lower Upper
 152 100
 150 150.4 117.8 176.6
 115 64.8 51.0 76.4

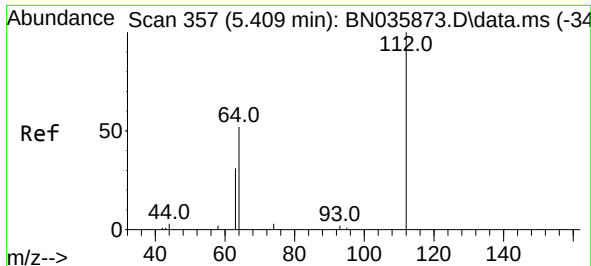


#2
 1,4-Dioxane
 Concen: 9.493 ng
 RT: 3.318 min Scan# 19
 Delta R.T. -0.004 min
 Lab File: BN035906.D
 Acq: 10 Jan 2025 17:45



Tgt Ion: 88 Resp: 10532
 Ion Ratio Lower Upper
 88 100
 43 45.4 32.7 49.1
 58 77.2 63.0 94.4

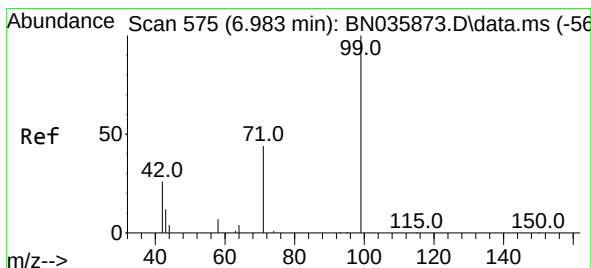
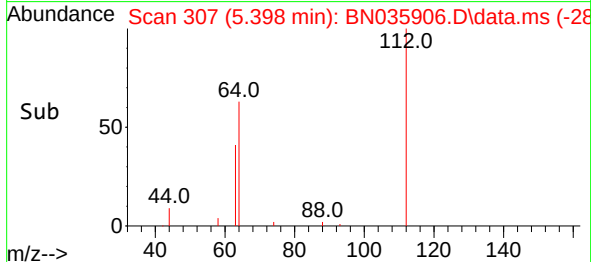
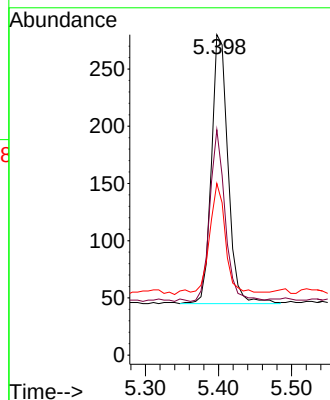
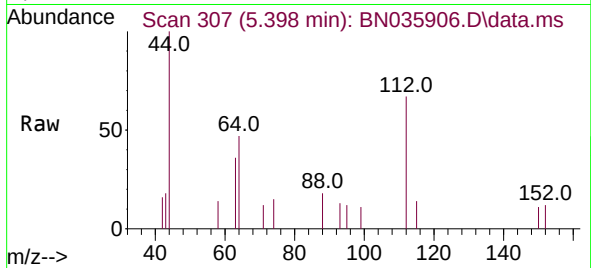




#4
2-Fluorophenol
Concen: 0.135 ng
RT: 5.398 min Scan# 307
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

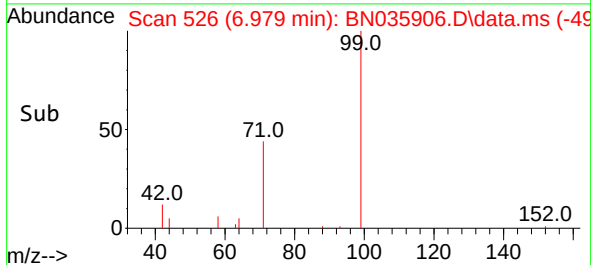
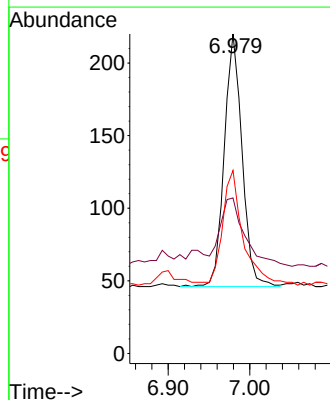
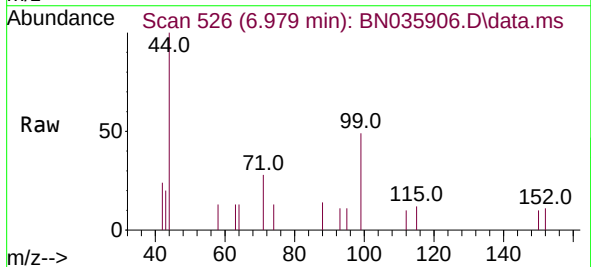
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108

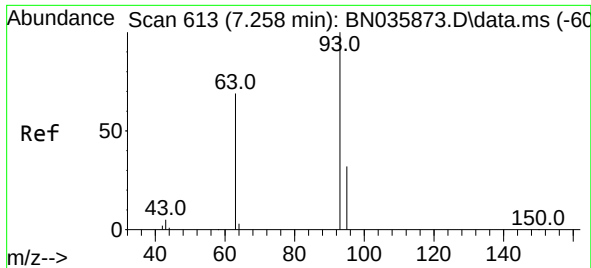
Tgt Ion:	112	Resp:	369
Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.2	72.2
63	41.2	30.0	45.0



#5
Phenol-d6
Concen: 0.077 ng
RT: 6.979 min Scan# 526
Delta R.T. -0.004 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:	99	Resp:	263
Ion	Ratio	Lower	Upper
99	100		
42	37.3	23.5	35.3
71	52.9	35.5	53.3

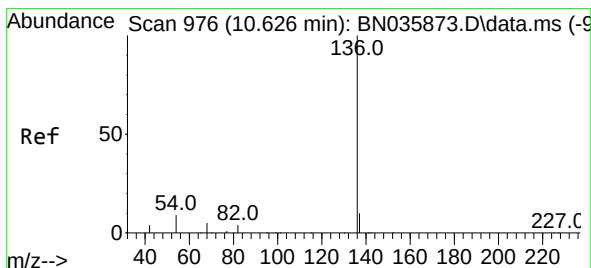
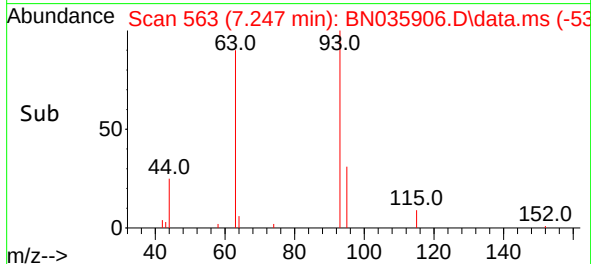
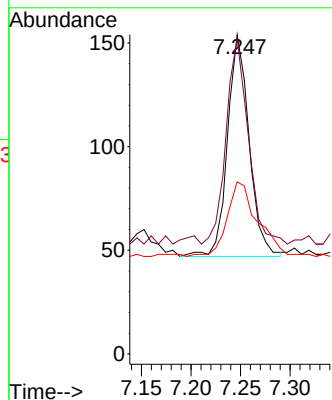
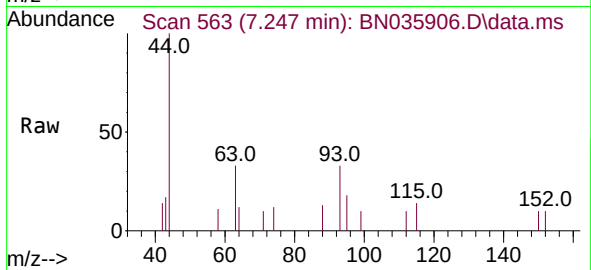




#6
bis(2-Chloroethyl)ether
Concen: 0.062 ng
RT: 7.247 min Scan# 50
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

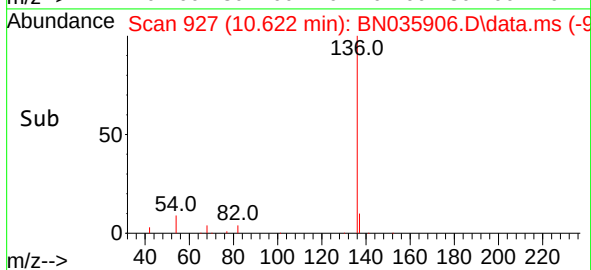
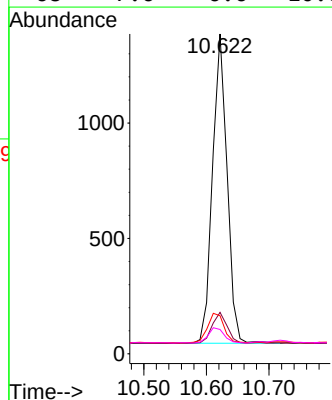
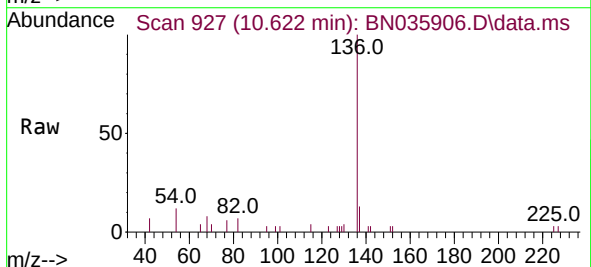
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108

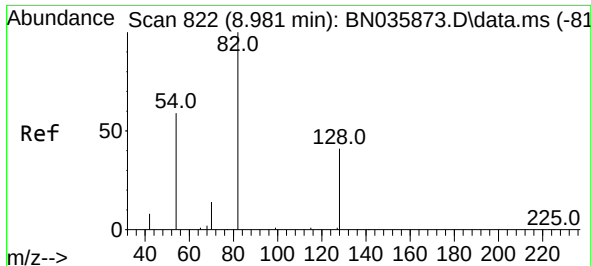
Tgt Ion: 93 Resp: 162
Ion Ratio Lower Upper
93 100
63 96.3 62.0 93.0#
95 48.1 25.5 38.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.622 min Scan# 927
Delta R.T. -0.004 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 136 Resp: 2161
Ion Ratio Lower Upper
136 100
137 13.0 10.6 15.8
54 11.9 9.8 14.6
68 7.6 6.6 10.0

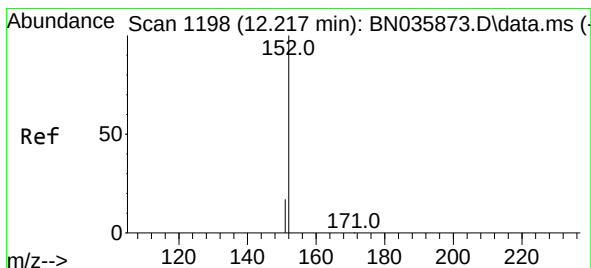
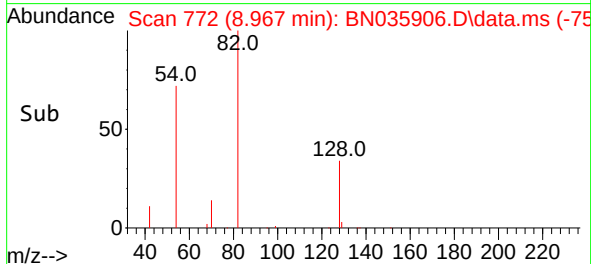
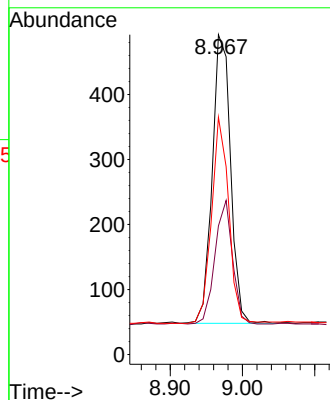
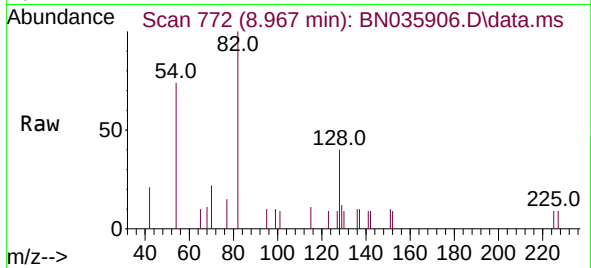




#8
Nitrobenzene-d5
Concen: 0.458 ng
RT: 8.967 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

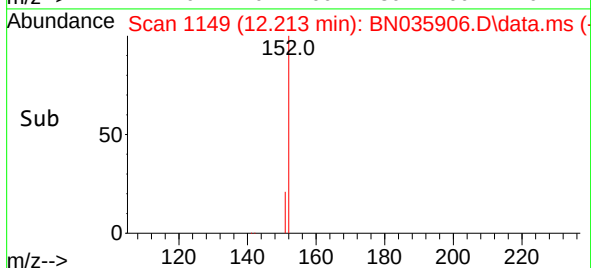
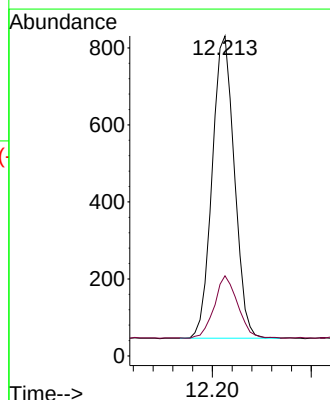
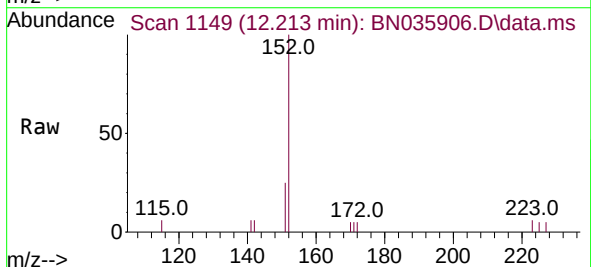
Instrument :
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ClientSampleId :
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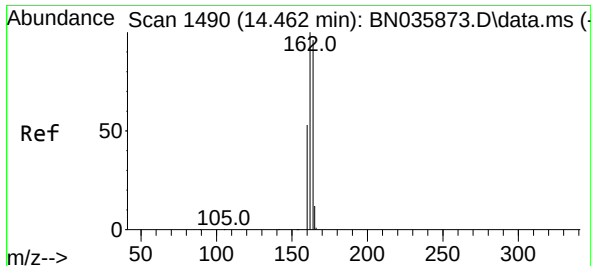
Tgt Ion: 82 Resp: 783
Ion Ratio Lower Upper
82 100
128 40.2 36.9 55.3
54 74.2 50.4 75.6



#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 12.213 min Scan# 1149
Delta R.T. -0.004 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 152 Resp: 1221
Ion Ratio Lower Upper
152 100
151 21.9 17.0 25.6

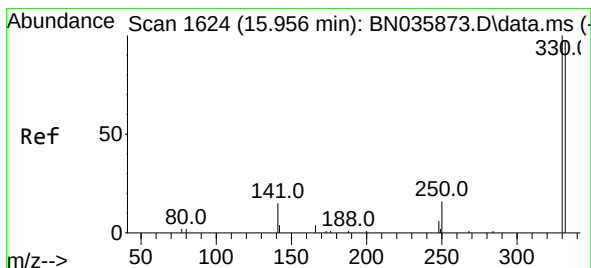
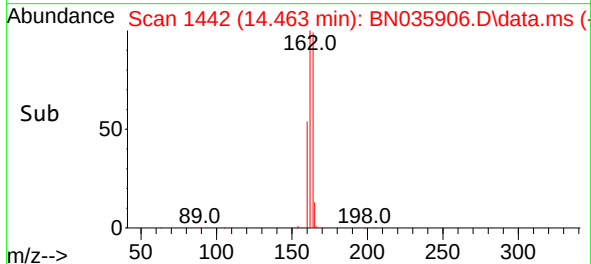
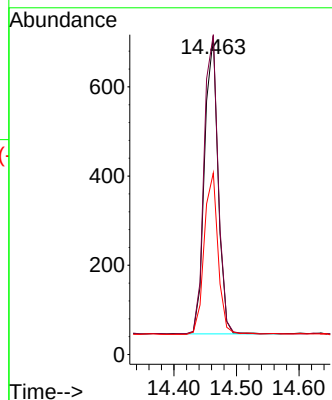
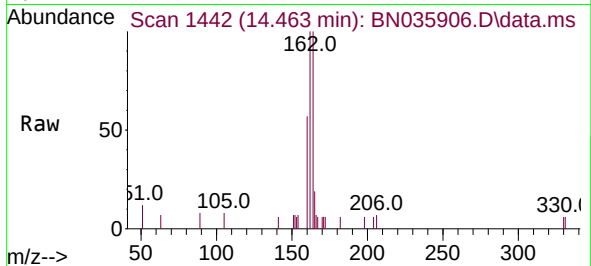




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

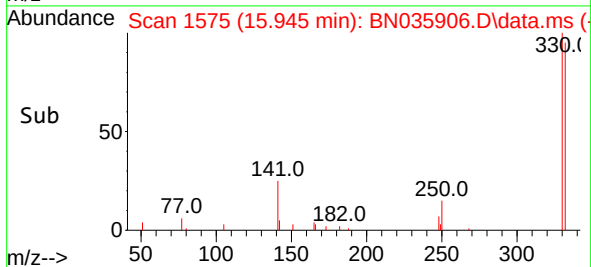
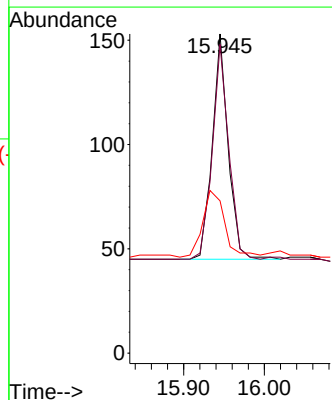
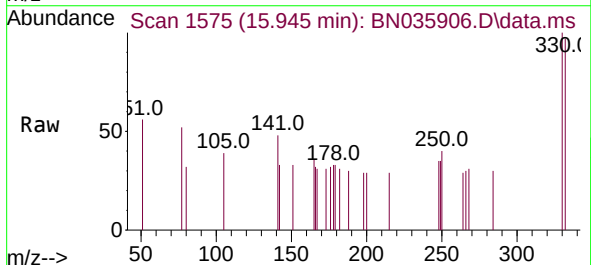
Instrument :
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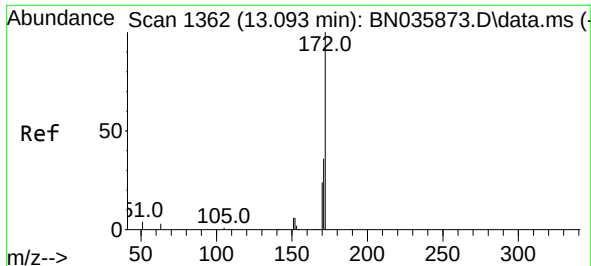
Tgt Ion:164 Resp: 1003
Ion Ratio Lower Upper
164 100
162 100.4 83.1 124.7
160 57.0 46.0 69.0



#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.945 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:330 Resp: 147
Ion Ratio Lower Upper
330 100
332 98.6 77.2 115.8
141 40.8 31.6 47.4

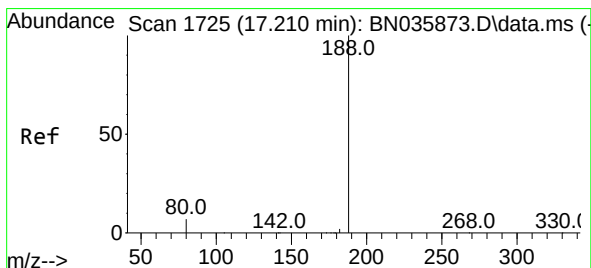
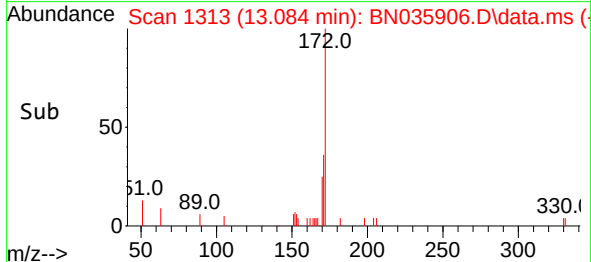
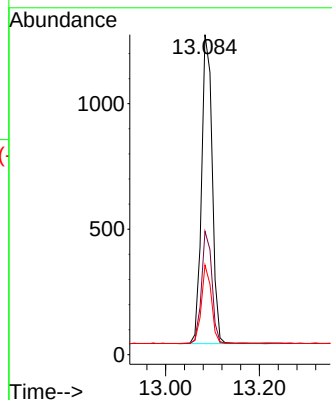
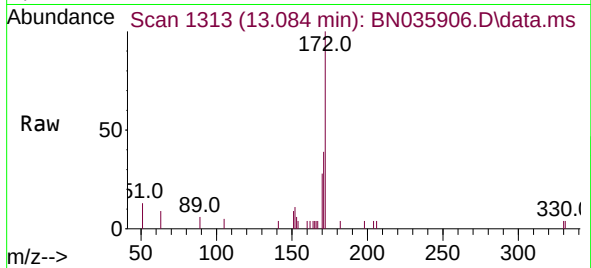




#15
2-Fluorobiphenyl
Concen: 0.443 ng
RT: 13.084 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

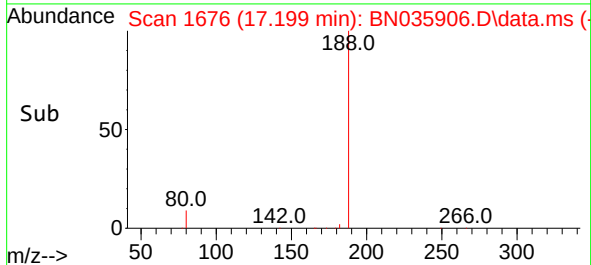
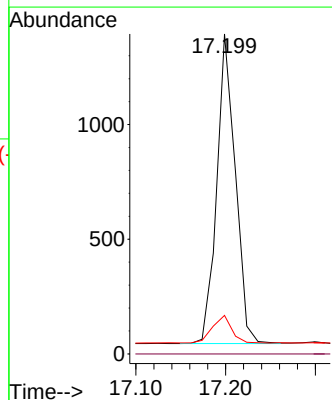
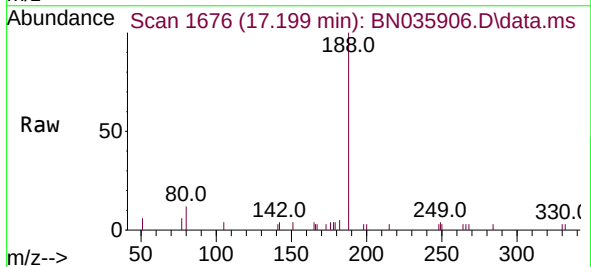
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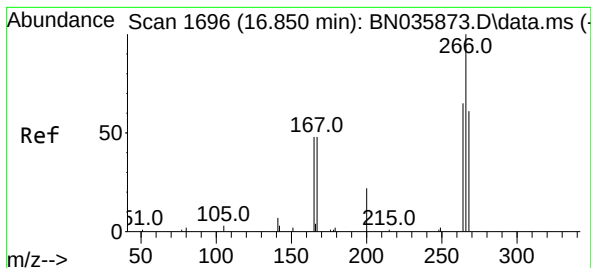
Tgt Ion:	172	Resp:	1949
Ion Ratio	Lower	Upper	
172	100		
171	38.6	30.5	45.7
170	28.0	20.8	31.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.199 min Scan# 1676
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:	188	Resp:	1938
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.0	7.3	10.9





#24

Pentachlorophenol

Concen: 0.036 ng

RT: 16.851 min Scan# 1

Delta R.T. 0.001 min

Lab File: BN035906.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250108

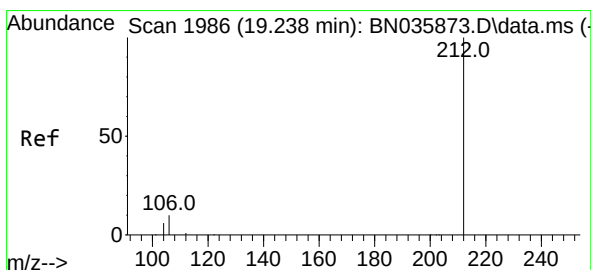
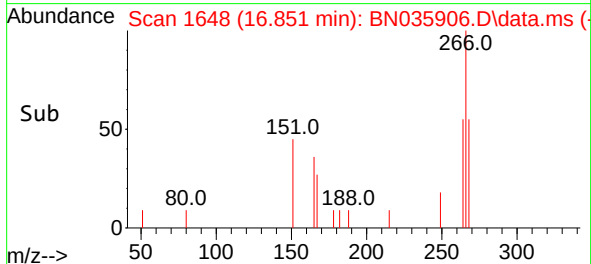
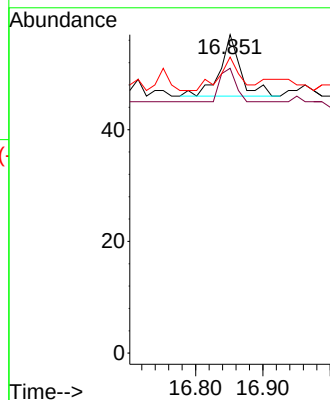
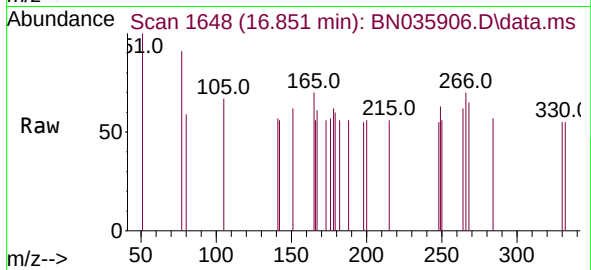
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 43.5 49.9 74.9#

268 56.5 50.2 75.2



#27

Fluoranthene-d10

Concen: 0.471 ng

RT: 19.230 min Scan# 1936

Delta R.T. -0.008 min

Lab File: BN035906.D

Acq: 10 Jan 2025 17:45

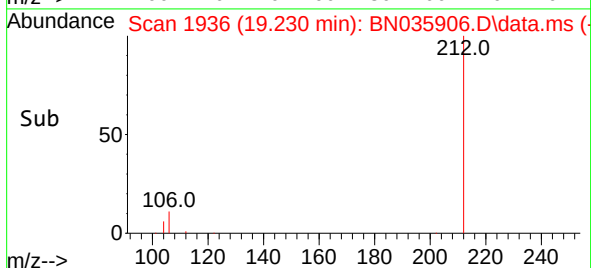
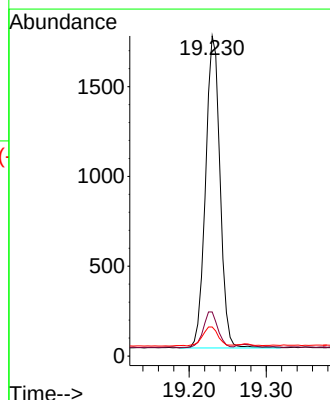
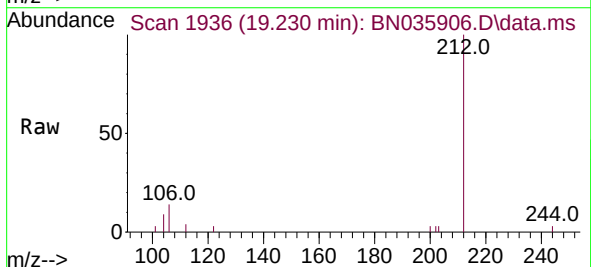
Tgt Ion:212 Resp: 2268

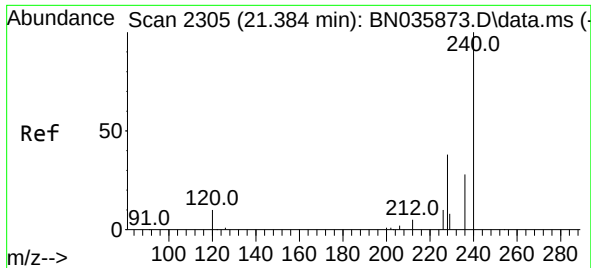
Ion Ratio Lower Upper

212 100

106 11.4 9.0 13.6

104 6.7 5.4 8.2

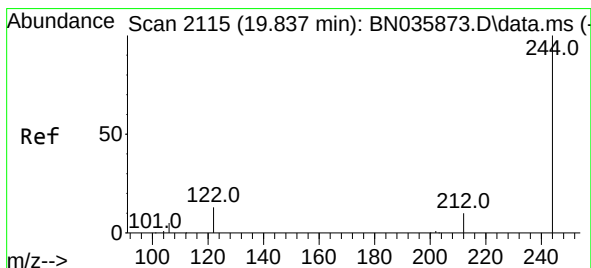
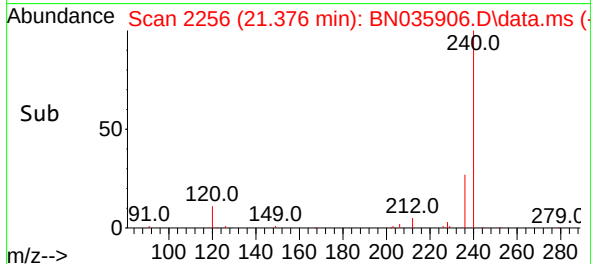
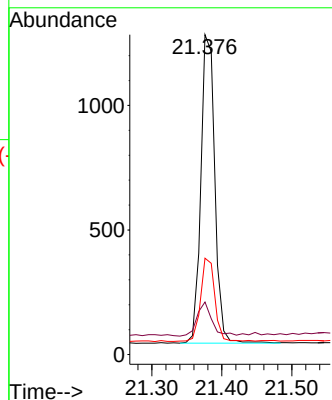
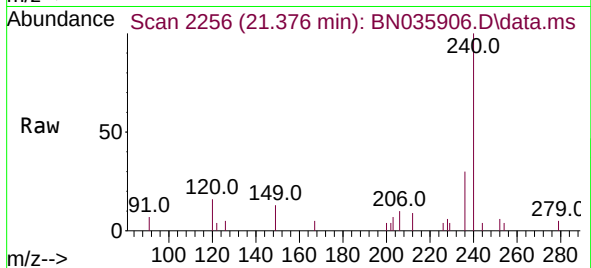




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.376 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

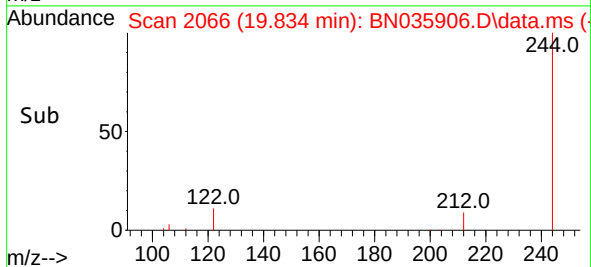
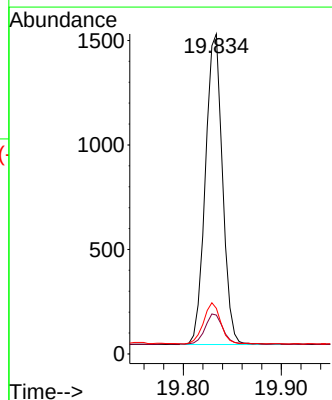
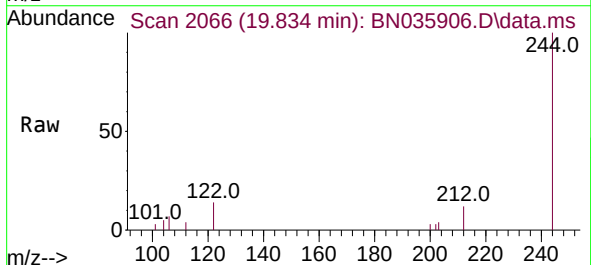
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108

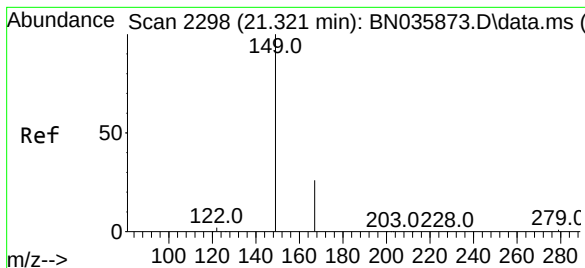
Tgt Ion:240 Resp: 1723
Ion Ratio Lower Upper
240 100
120 16.4 11.1 16.7
236 30.1 24.6 36.8



#31
Terphenyl-d14
Concen: 0.524 ng
RT: 19.834 min Scan# 2066
Delta R.T. -0.004 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:244 Resp: 1799
Ion Ratio Lower Upper
244 100
212 12.1 10.1 15.1
122 14.2 12.2 18.4

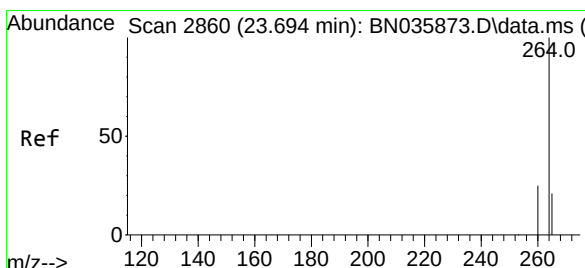
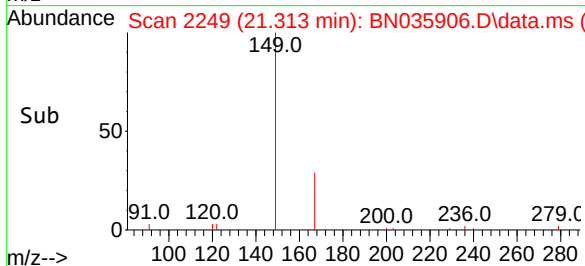
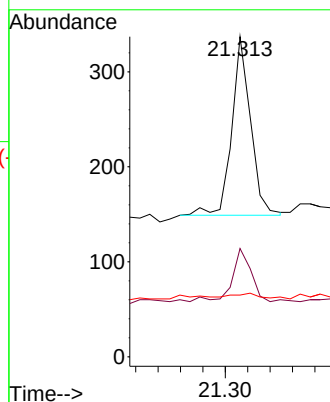
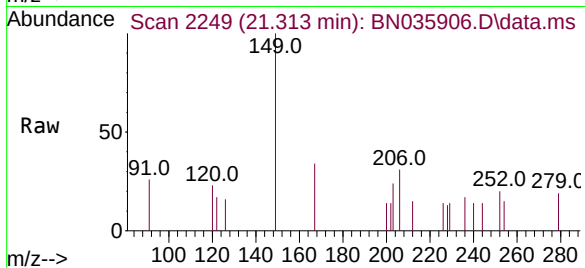




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.089 ng
RT: 21.313 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

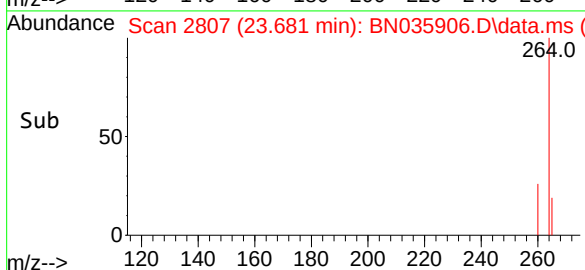
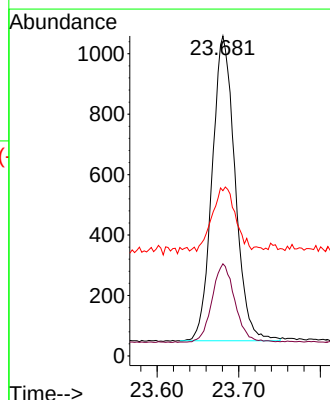
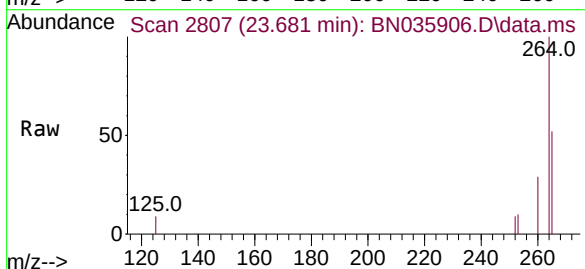
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108

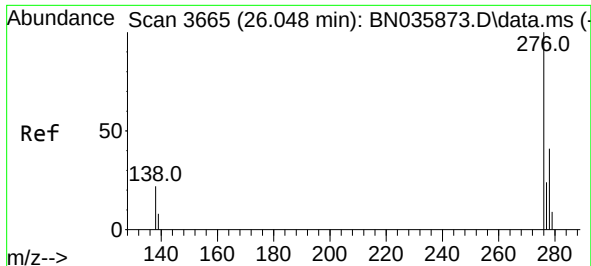
Tgt Ion:149 Resp: 220
Ion Ratio Lower Upper
149 100
167 30.5 21.4 32.0
279 2.7 3.0 4.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.681 min Scan# 2807
Delta R.T. -0.013 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:264 Resp: 1969
Ion Ratio Lower Upper
264 100
260 28.8 21.7 32.5
265 51.7 33.9 50.9#

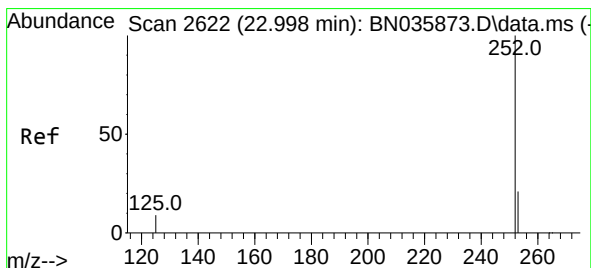
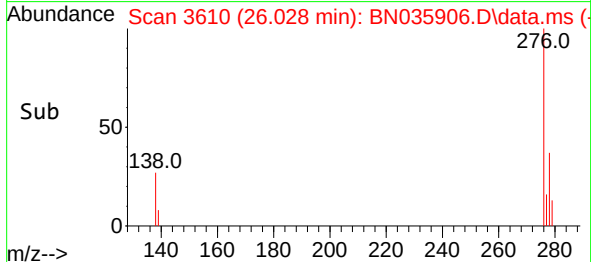
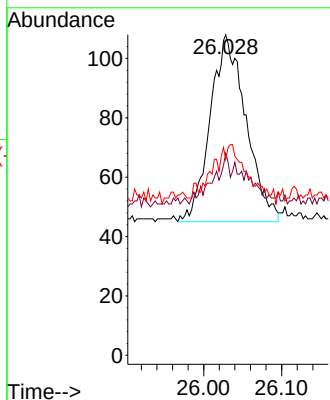
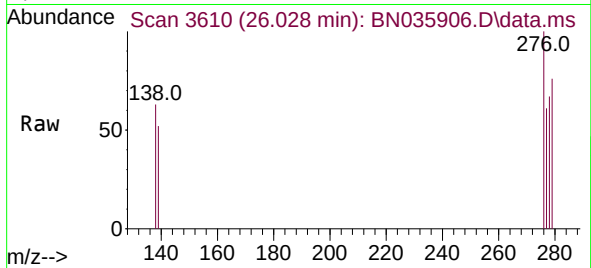




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.026 ng
 RT: 26.028 min Scan# 30
 Delta R.T. -0.019 min
 Lab File: BN035906.D
 Acq: 10 Jan 2025 17:45

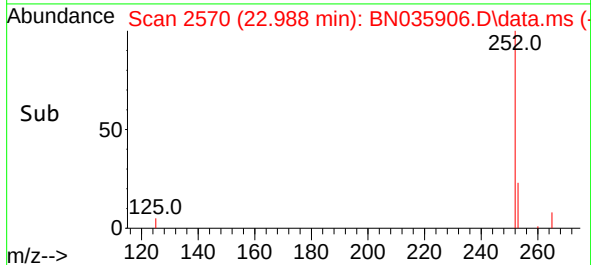
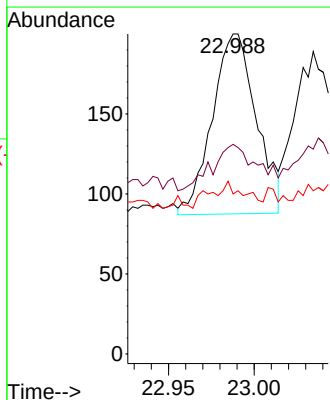
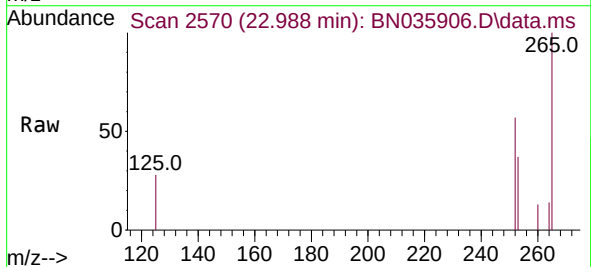
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250108

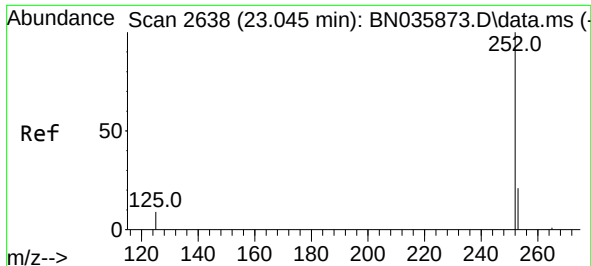
Tgt Ion:276 Resp: 201
 Ion Ratio Lower Upper
 276 100
 138 2.0 18.9 28.3#
 277 12.4 19.5 29.3#



#37
 Benzo(b)fluoranthene
 Concen: 0.030 ng
 RT: 22.988 min Scan# 2570
 Delta R.T. -0.011 min
 Lab File: BN035906.D
 Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 201
 Ion Ratio Lower Upper
 252 100
 253 65.5 20.1 30.1#
 125 50.0 9.9 14.9#

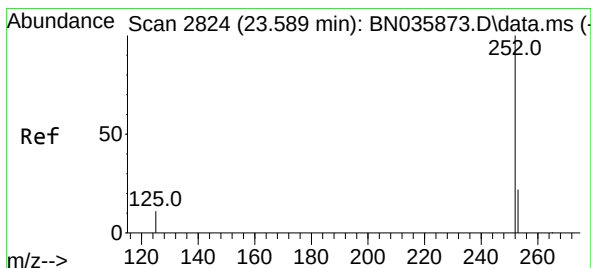
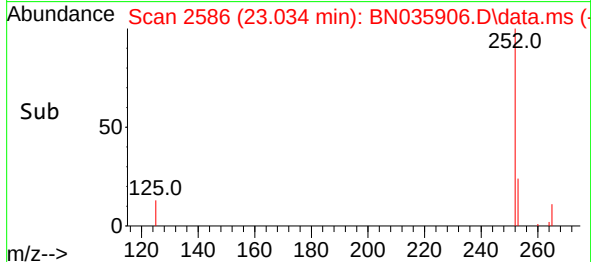
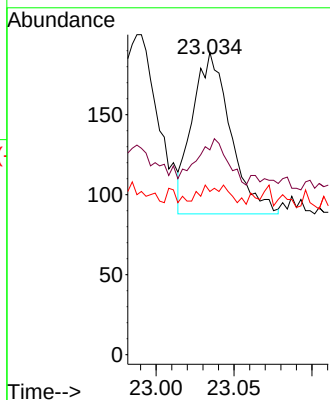
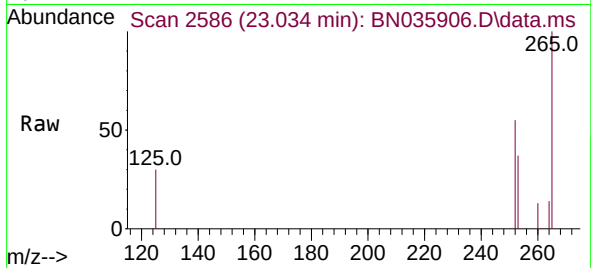




#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.034 min Scan# 21
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

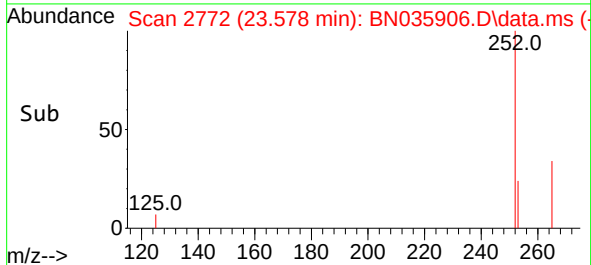
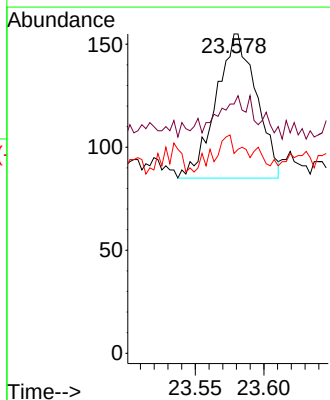
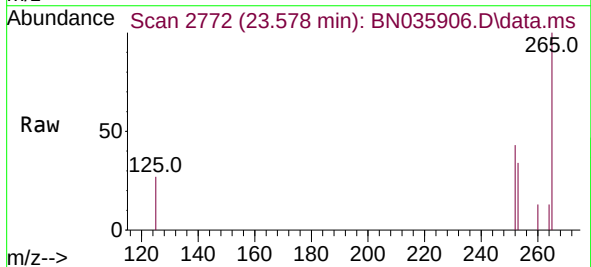
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108

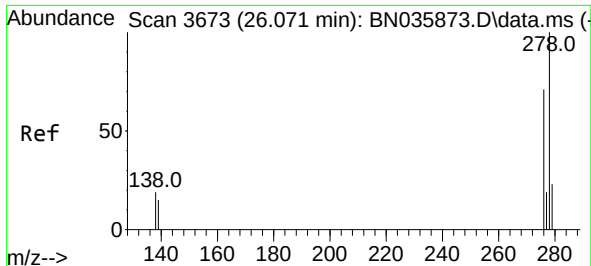
Tgt Ion:252 Resp: 171
Ion Ratio Lower Upper
252 100
253 67.7 20.5 30.7#
125 54.0 10.6 16.0#



#39
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.578 min Scan# 2772
Delta R.T. -0.011 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

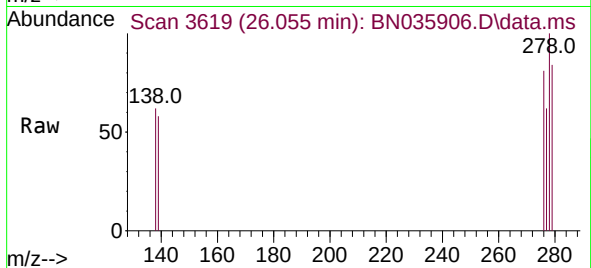
Tgt Ion:252 Resp: 143
Ion Ratio Lower Upper
252 100
253 78.1 21.5 32.3#
125 62.6 12.6 19.0#



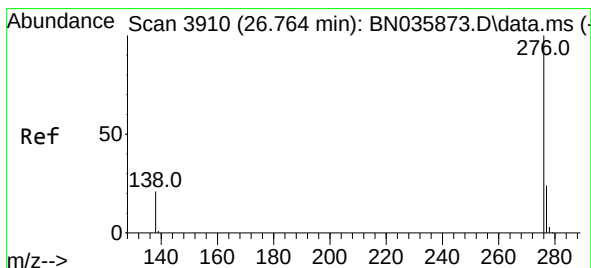
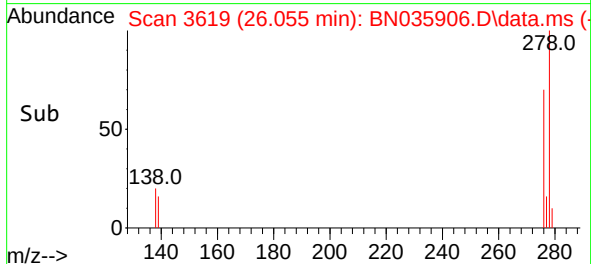
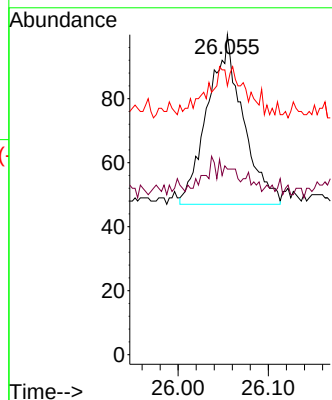


#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 26.055 min Scan# 30
Delta R.T. -0.016 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250108



Tgt Ion:278 Resp: 144
Ion Ratio Lower Upper
278 100
139 58.0 15.9 23.9#
279 84.0 23.0 34.4#



#41
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.742 min Scan# 3854
Delta R.T. -0.022 min
Lab File: BN035906.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 173
Ion Ratio Lower Upper
276 100
277 66.0 22.8 34.2#
138 65.0 20.1 30.1#

